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STRUCTURAL LOADS DATA FROM C-141A AIRCRAFT

ROBERT B. SCHWARTZ

UNIVERSITY OF DAYTON RESEARCH INSTITUTE

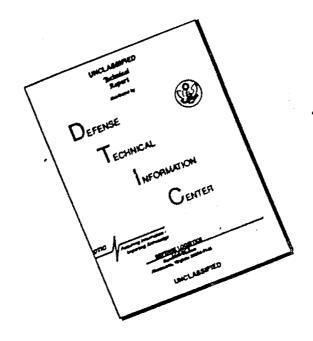
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C-141 SYSTEM PROGRAM OFFICE
AERONAUTICAL SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
WRIGHT-PATTERSON AIR FORCE BASE, OHIO

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25 Aug 67

ASD TR 67-1, Structural Loads Data from C-141A Aircraft SUBJECT

Recipient of ASD TR 67-1 TO

AD 815683

In April 1967 the subject report presenting structural information on operational C-141 aircraft was distributed. Shortly thereafter, it was discovered that certain tabulations in this report were not complete. As a result, a revised copy of ASD TR 67-1 is hereby submitted for your information. It is respectfully requested that the original be destroyed. FOR THE CONMANDER

Hwast C. Kingel HOWARD E. KUCKL

Chief, Airframe Division C-1Al/Materials Handling

Engineering Office

Atch

ASD TR 67-1

STRUCTURAL LOADS DATA FROM C-141A AIRCRAFT

ROBERT B. SCHWARTZ

This document is subject to special export controls and each transmittal to foreign governments or foreign nationals may be made only with the prior approval of the C-141 Systems Program Office.

FOREWORD

This final report on the C-141A Aircraft Flight Loads Data Program was prepared by the Aerospace Mechanics Research group of the University of Dayton Research Institute, Dayton, Ohio under Air Force Contract AF 33(657)-14424. This program was initiated by Mr. Leo A. Wack and Lt. R.S. Szacik of the C-141 System Program Office, Aeronautical Systems Division, Air Force Systems Command at Wright-Patterson Air Force Base, Ohio. In April 1965 Lt. Raymond J. Veldman of the C-141 System Program Office was appointed project monitor and was also responsible for the initiation of the Ground Loads Study phase of the program.

The work described herein was accomplished during the period of 19 July 1965 through 31 December 1966. This program was conducted by UDRI under the general supervision of Mr. Dale H. Whitford, Project Supervisor, with the author assigned as the project engineer.

The author gratefully acknowledges the cooperation and assistance provided by personnel of the C-141 System Program Office, MAC Air Weather Service, Charleston Air Force Base, Dover Air Force Base, Tinker Air Force Base, Travis Air Force Base, and the 22nd Joint Test Force at Travis Air Force Base.

This technical report has been reviewed and is approved.

HOWARD E. KUGEL
Chief, Airframe Division
C-141/Materials Handling

Engineering Office

ABSTRACT

The primary purpose of this report is to present the structural load history information and the atmospheric turbulence data acquired and reduced for the C-141A Aircraft Flight Loads Data Program. Also included in this report are descriptions and discussions of the methods employed in the acquisition and processing of the data. The C-141A Aircraft Flight Loads Data Program was a single project which incorporated four separate concepts: an Interim Flight Loads Program, a Ground Loads Study, a Leadthe-Force Flight Loads Program, and an Atmospheric Turbulence Study. A total of from 28 to 35 aircraft at four Air Force Bases were employed at various periods during this effort to obtain structural load history and atmospheric turbulence data. Eight aircraft were instrumented for the acquisition of ground load experience data. A total data sample of 12,430 flight hours of flight loads data, 2,786 hours of atmospheric turbulence data, and 174. 5 hours of ground load experience data was acquired and reduced during this program and is presented in this report. The structural load history data presented in this report is presently being employed in fatigue evaluations of the C-141A aircraft by the C-141 System Program Office. (This Abstract is subject to special export controls and each transmittal to foreign governments or foreign nationals may be made only with prior approval of the C-141 System Program Office.)

TABLE OF CONTENTS

SECTION	P.	AGE
I	INTRODUCTION	1
	1.1 OBJECTIVES	1
	1.1.1 Interim Flight Loads Program	î
	1.1.2 Ground Loads Study	ī
	1.1.3 Lead-the-Force Flight Loads Program	2
	1.1.4 Atmospheric Turbulence Study	2
	1.2 PROGRAM SUMMARY	2
	1.3 DESCRIPTION OF THE AIRCRAFT	4
II	INSTRUMENTATION AND RECORDING SYSTEMS	9
	2.1 FLIGHT LOADS INSTRUMENTATION	9
	2.2 GROUND LOADS INSTRUMENTATION	9
	2.3 TURBULENCE INDICATOR SWITCH	11
	2.4 RECORDING SYSTEM	11
Ш	DATA PROCESSING TECHNIQUES AND CRITERIA	13
	3.1 DATA PROCESSING TECHNIQUES	13
	3.1.1 Editing Section	13
	3.1.2 Manual Data Reduction Section	14
	3.1.3 Semi-Automatic Data Reading Section	14
	3. 1. 4 Computer	15
	3. 1. 5 Quality Centrol	15
	3. 2 FLIGHT LOADS CRITERIA	15
	3. 2. 1 Peak Criteria	16
	3. 2. 2 Flight Parameters	16
	3. 2. 3 Mission Parameters	17
	3. 2. 4 Derived Vertical Gust Velocity	18
	3.3 GROUND LOADS CRITERIA	19
	3.3.1 Peak Criteria	19
		19
	3. 3. 3 Mission Parameters	20
	A ATMOSPHERIC TURBUL ENCE CRITERIA	20

TABLE OF CONTENTS concluded

SECTION					I	PAGE
IV	RES	ULTS		•		22
	4.1	INTERIM FLIGHT LOADS DATA				26
	4.2	LEAD-THE-FORCE FLIGHT LOADS DATA.			•	32
	4.3	GROUNDS LOADS STUDY DATA	•	•	•	33
	4.4	ATMOSPHERIC TURBULENCE STUDY DATA	•		•	35
	4.5	DATA ACCURACY	•	•	•	38
V	CON	CLUSIONS	•			39
APPENDI	X A	INTERIM FLIGHT LOADS DATA	•	•	•	41
APPENDI	ΧВ	LEAD-THE-FORCE FLIGHT LOADS DATA.	•	•		125
APPENDI	ХC	GROUND LOADS STUDY DATA	•	•	•	199
APPENDI	X D	ATMOSPHERIC TURBULENCE STUDY DATA	•	•	•	283
REFEREN	CES					461

ILLUSTRATIONS

FIGURE		PAG
1	Photograph of C-141A Aircraft	6
2	Schematic Drawing of C-141A Aircraft	7
3	Schematic Illustrating Instrumentation and Recording System Locations	10
A1	Positive Maneuver Spectrum Obtained from 6, 354 Flight-Hours of Interim Flight Loads Data	42
A 2	Positive Gust Spectrum by Altitude Obtained from 6,354 Flight-Hours of Interim Flight Loads Data	43
A 3	Gust Spectrum by Altitude Obtained from 1, 200 Flight Hours of IFL Data Acquired at Charleston Air Force Base (Refer to Table Al)	44
A4	Gust Spectrum by Altitude Obtained from 1,221 Flight-Hours of IFL Data Acquired at Dover Air Force Base (Refer to Table A2)	46
A 5	Gust Spectrum by Altitude Obtained from 1,792 Flight-Hours of IFL Data Acquired at Tinker Air Force Base (Refer to Table A3)	
A 6	Gust Spectrum by Altitude Obtained from 2, 141 Flight-Hours of IFL Data Acquired at Travis Air Force Base (Refer to Table A4)	
A 7	Percentages of the Total Flight Time Spent in the Various Airspeed Bands for Logistics Medium Range Missions	54
A 8	Percentages of the Total Flight Time Spent in the Various Altitude Bands for Logistics Medium Range Missions	54
A 9	Percentages of the Total Flight Time Spent in the Various Airspeed Bands for Logistics Long Range	

ILLUSTRATIONS continued

FIGURE			PAGE
A10	Percentages of the Total Flight Time Spent in the Various Altitude Bands for Logistics Long Range Missions	•	55
A11	Percentages of the Total Flight Time Spent in the Various Airspeed Bands for Training Missions	•	5υ
A12	Percentages of the Total Flight Time Spent in the Various Altitude Bands for Training Missions	•	56
A13	Percentages of the Total Flight Time Spent in the Various Airspeed Bands for Logistics Drop Short Range Missions	•	57
A14	Percentages of the Total Flight Time Spent in the Various Altitude Bands for Logistics Drop Short Range Missions	e	57
A15	Percentages of the Total Flight Time Spent in the Various Airspeed Bands for Miscellaneous Missions	•	58
A16	Percentages of the Total Flight Time Spent in the Various Altitude Bands for Miscellaneous Missions.	•	58
A17	Percentages of the Total Flight Time Spent in the Various Airspeed Bands for Flight Test Missions	•	59
A18	Percentages of the Total Flight Time Spent in the Various Altitude Bands for Flight Test Missions	•	59
A19	Percentages of the Total Flight Time Spent in the Various Airspeed Bands for Airborne Training Mission	ne	60
A20	Percentages of the Total Flight Time Spent in the Various Altitude Bands for Airborne Training Missions	8	60
B1	Positive Maneuver Spectrum Obtained from 6,076 Flig Hours of Lead-the-Force Flight Loads Data		

ILLUSTRATIONS continued

FIGURE		PAGE
B2	Positive Gust Spectrum by Altitude Obtained from 6,076 Flight-Hours of Lead-the-Force Flight Loads Data	. 127
B3	Gust Spectrum by Altitude Obtained from 646 Flight-Hours of LTF Data Acquired at Charleston Air Force Base (Refer to Table B1)	. 128
B4	Gust Spectrum by Altitude Obtained from 960 Flight-Hours of LTF Data Acquired at Dover Air Force Base (Refer to Table B2)	. 130
B5	Gust Spectrum by Altitude Obtained from 1,949 Flight-Hours of LTF Data Acquired at Tinker Air Force Base (Refer to Table B3)	
В6	Gust Spectrum by Altitude Obtained from 2,521 Flight-Hours of LTF Data Acquired at Travis Air Force Base (Refer to Table B4)	
B7	Percentages of the Total Flight Time Spent in the Various Airspeed Bands for Logistics Medium Range Missions	. 138
B8	Percentages of the Total Flight Time Spent in the Various Altitude Bands for Logistics Medium Range Missions	. 138
В9	Percentages of the Total Flight Time Spent in the Various Airspeed Bands for Logistics Long Range Missions	139
B10	Percentages of the Total Flight Time Spent in the Various Altitude Bands for Logistics Long Range Missions	139
B11	Percentages of the Total Flight Time Spent in the Various Airspeed Bands for Training Missions	140
B12	Percentages of the Total Flight Time Spent in the Various Altitude Bands for Training Missions	140

ILLUSTRATIONS concluded

FIGURE		PAGE
B13	Percentages of the Total Flight Time Spent in the Various Airspeed Bands for Miscellaneous Missions	. 141
B14	Percentages of the Total Flight Time Spent in the Various Altitude Bands for Miscellaneous Missions.	. 141
B15	Percentages of the Total Flight Time Spent in the Various Airspeed Bands for Flight Test Missions .	. 142
B16	Percentages of the Total Flight Time Spent in the Various Altitude Bands for Flight Test Missions.	. 142
Cl	Cumulative Frequency of Positive Incremental Ground Load Factor Peaks for the Mission Phases of Taxi, Take-off Run, Landing Roll-out, and Touch-and-Go Roll	
C2	Cumulative Frequency of Positive Incremental Ground Load Factor Peaks per Landing for the Landing Impact Mission Phase	
Dì	Comparison of the Positive Derived Vertical Gust Velocity Spectra by Season for Altitudes Greater than 30,000 feet	. 291
D2	Comparison of the Positive Derived Vertical Gust Velocity Spectra of Two Routes Encountered in the Atmospheric Turbulence Study	. 292

TABLES

TABL	E P.	AGE
1	Distribution of Instrumentation Installations	4
2	C-141A Aircraft Design Criteria	8
3	Distribution of Reducible Data Samples (Hours) by Air Force Base and Program Phase	23
4	Distribution of Reduced Data Samples (Hours) by Air Force Base and Program Phase	23
5	Comparison by Mission Type of the Percentage of the Number of Flights Flown with the Percentage of the Number of Flights in the Reduced Flight Loads Data Samples at Each Base	25
6	Distribution of the Reduced Flight Loads Data Samples (Number and Hours) by Air Force Base and Mission	28
7	Description of the Weight, Altitude, and Airspeed Band Codes	30
8	Description of the Load Factor and Derived Gust Velocity Bands	31
9	Ground Loads Study Weight and Load Factor Band Descriptions	34
10	Distribution of the Reduced Ground Loads Data Sample by Mission Phase	33
11	List of Bases at Which Data was Acquired and Reduced for the Ground Loads Study	36
12	Comparison of the Load Factor Two-Standard Deviation Errors with the Specified Limits	38
A 1	Distribution of Derived Vertical Gust Velocity by Altitude for the Charleston Air Force Base Data Sample	52
A2	Distribution of Derived Vertical Gust Velocity by Altitude for the Dover Air Force Base Data Sample	52
A 3	Distribution of Derived Vertical Gust Velocity by Altitude for the Tinker Air Force Base Data Sample	53

TABL	E	P	AGE
A 4	Distribution of Derived Vertical Gust Velocity by Altitude for the Travis Air Force Base Data Sample		53
A 5	Distribution of Time (Hours) by Altitude and Airspeed Increments for the Logistics, Medium Range Mission		61
A 6	Distribution of Time (Hours) by Altitude and Airspeed Increments for the Logistics, Long Range Mission	•	61
A 7	Distribution of Time (Hours) by Altitude and Airspeed Increments for the Training Mission		61
A8	Distribution of Time (Hours) by Altitude and Airspeed Increments for the Logistics Drop, Short Range Mission.	•	62
A 9	Distribution of Time (Hours) by Altitude and Airspeed Increments for the Miscellaneous Mission	•	62
A10	Distribution of Time (Hours) by Altitude and Airspeed Increments for the Flight Test Mission	•	63
A11	Distribution of Time (Hours) by Altitude and Airspeed Increments for the Airborne Training Mission		63
A12	Distribution of Maneuver Load Factors for the Charleston Air Force Base Logistics, Medium Range Mission Data Sample		64
A13	Distribution of Maneuver Load Factors for the Charleston Air Force Base Logistics, Long Range Mission Data Sample	le	66
A14	Distribution of Maneuver Load Factors for the Charleston Air Force Base Training Mission Data Sample	•	67
A15	Distribution of Maneuver Load Factors for the Charleston Air Force Base Miscellaneous Mission Data Sample	•	68
A 16	Distribution of Maneuver Load Factors for the Charleston Air Force Base Flight Test Mission Data Sample		69

TABLE		PAGE
A 17	Distribution of Maneuver Load Factors for the Charleston Air Force Base Airborne Training Mission Data Sample	. 69
A18	Distribution of Maneuver Load Factors for the Dover Air Force Base Logistics, Medium Range Mission Data Sample	
A19	Distribution of Maneuver Load Factors for the Dover Air Force Base Training Mission Data Sample	
A20	Distribution of Maneuver Load Factors for the Dover Air Force Base Logistics Drop, Short Range Mission Data Sample	
A21	Distribution of Maneuver Load Factors for the Dover Air Force Base Miscellaneous Mission Data Sample	
A22	Distribution of Maneuver Load Factors for the Dover Air Force Base Flight Test Mission Data Sample	
A23	Distribution of Maneuver Load Factors for the Tinker Air Force Base Logistics, Medium Range Mission Data Sample	568
A24	Distribution of Maneuver Load Factors for the Tinker Air Force Base Training Mission Data Sample	
A25	Distribution of Maneuver Load Factors for the Tinker Air Force Base Flight Test Mission Data Sample	
A26	Distribution of Maneuver Load Factors for the Travis Air Force Base Logistics, Medium Range Mission Data Sample	
A27	Distribution of Maneuver Load Factors for the Travis Air Force Base Logistics, Long Range Mission Data Sample	
A28	Distribution of Maneuver Load Factors for the Travis Air	

TABLE		PAGE
A29	Distribution of Maneuver Load Factors for the Travis Air Force Base Flight Test Mission Data Sample	
A30	Distribution of Gust Load Factors for the Charleston Air Force Base Logistics, Medium Range Mission Data Sample	84
A31	Distribution of Gust Load Factors for the Charleston Air Force Base Logistics, Long Range Mission Data Sample.	86
A32	Distribution of Gust Load Factors for the Charleston Air Force Base Training Mission Data Sample	87
A33	Distribution of Gust Load Factors for the Charleston Air Force Base Miscellaneous Mission Data Sample	88
A34	Distribution of Gust Load Factors for the Charleston Air Force Base Flight Test Mission Data Sample	89
A35	Distribution of Gust Load Factors for the Charleston Air Force Base Airborne Training Mission Data Sample	89
A36	Distribution of Gust Load Factors for the Dover Air Force Base Logistics, Medium Range Mission Data Sample	90
A37	Distribution of Gust Load Factors for the Dover Air Force Base Training Mission Data Sample	92
A38	Distribution of Gust Load Factors for the Dover Air Force Base Logistics Drop, Short Range Mission Data Sample.	93
A39	Distribution of Gust Load Factors for the Dover Air Force Base Miscellaneous Mission Data Sample	94
A40	Distribution of Gust Load Factors for the Dover Air Force Base Flight Test Mission Data Sample	
A4 1	Distribution of Gust Load Factors for the Tinker Air Force Base Logistics, Medium Range Mission Data	95

TABLE		PAGE
A42	Distribution of Gust Load Factors for the Tinker Air Force Base Training Mission Data Sample	96
A43	Distribution of Gust Load Factors for the Tinker Air Force Base Flight Test Mission Data Sample	98
A44	Distribution of Gust Load Factors for the Travis Air Force Base Logistics, Medium Range Mission Data Sample	99
A 45	Distribution of Gust Load Factors for the Travis Air Force Base Logistics, Long Range Mission Data Sample.	101
A46	Distribution of Gust Load Factors for the Travis Air Force Base Training Mission Data Sample	102
A4 7	Distribution of Gust Load Factors for the Travis Air Force Base Flight Test Mission Data Sample	103
A48	Distribution of Derived Vertical Gust Velocity for the Charleston Air Force Base Logistics, Medium Range Mission Data Sample	104
A49	Distribution of Derived Vertical Gust Velocity for the Charleston Air Force Base Logistics, Long Range Mission Data Sample	
A 50	Distribution of Derived Vertical Gust Velocity for the Charleston Air Force Base Training Mission Data Sample	107
A51	Distribution of Derived Vertical Gust Velocity for the Charleston Air Force Base Miscellaneous Mission Data Sample	108
A52	Distribution of Derived Vertical Gust Velocity for the Charleston Air Force Base Flight Test Mission Data Sample	109
A53	Distribution of Derived Vertical Gust Velocity for the Charleston Air Force Base Airborne Training Mission	
	Data Sample	109

TABLE		PAGE
A54	Distribution of Derived Vertical Gust Velocity for the Dover Air Force Base Logistics, Medium Range Mission Data Sample	
A55	Distribution of Derived Vertical Gust Velocity for the Dover Air Force Base Training Mission Data Sample .	. 112
A56	Distribution of Derived Vertical Gust Velocity for the Dover Air Force Base Logistics Drop, Short Range Mission Data Sample	. 113
A57	Distribution of Derived Vertical Gust Velocity for the Dover Air Force Base Miscellaneous Mission Data Sample	. 114
A58	Distribution of Derived Vertical Gust Velocity for the Dover Air Force Base Flight Test Mission Data Sample	. 114
A 59	Distribution of Derived Vertical Gust Velocity for the Tinker Air Force Base Logistics, Medium Range Mission Data Sample	
A 60	Distribution of Derived Vertical Gust Velocity for the Tinker Air Force Base Training Mission Data Sample .	. 116
A 61	Distribution of Derived Vertical Gust Velocity for the Tinker Air Force Base Flight Test Mission Data Sample	. 118
A 62	Distribution of Derived Vertical Gust Velocity for the Travis Air Force Base Logistics, Medium Range Mission Data Sample	
A63	Distribution of Derived Vertical Gust Velocity for the Travis Air Force Base Logistics, Long Range Mission Data Sample	. 121
A64	Distribution of Derived Vertical Gust Velocity for the Travis Air Force Base Training Mission Data Sample .	. 122
A 65	Distribution of Derived Vertical Gust Velocity for the	122

TABLE		P	AGE
Bl	Distribution of Derived Vertical Gust Velocity by Altitude for the Charleston Air Force Base Data Sample	•	136
B2	Distribution of Derived Vertical Gust Velocity by Altitude for the Dover Air Force Base Data Sample		136
B 3	Distribution of Derived Vertical Gust Velocity by Altitude for the Tinker Air Force Base Data Sample	•	137
B4	Distribution of Derived Vertical Gust Velocity by Altitude for the Travis Air Force Base Data Sample		137
B 5	Distribution of Time (Hours) by Altitude and Airspeed Increments for the Logistics, Medium Range Mission .	•	143
B6	Distribution of Time (Hours) by Altitude and Airspeed Increments for the Logistics, Long Range Mission	•	143
B 7	Distribution of Time (Hours) by Altitude and Airspeed Increments for the Training Mission	•	143
B8	Distribution of Time (Hours) by Altitude and Airspeed Increments for the Miscellaneous Mission		144
B9	Distribution of Time (Hours) by Altitude and Airspeed Increments for the Flight Test Mission		144
B10	Distribution of Maneuver Load Factors for the Charleston Air Force Base Logistics, Medium Range Mission Data Sample		145
B11	Distribution of Maneuver Load Factors for the Charleston Air Force Base Training Mission Data Sample		147
B12	Distribution of Maneuver Load Factors for the Charleston Air Force Base Miscellaneous Mission Data Sample		148
B13	Distribution of Maneuver Load Factors for the Charleston Air Force Base Flight Test Mission Data Sample		148

TABLE		PAGE
B14	Distribution of Maneuver Load Factors for the Dover Air Force Base Logistics, Medium Range Mission Data Sample	. 149
B15	Distribution of Maneuver Load Factors for the Dover Air Force Base Logistics, Long Range Mission Data Sample	. 151
B16	Distribution of Maneuver Load Factors for the Dover Air Force Base Training Mission Data Sample	. 152
B17	Distribution of Maneuver Load Factors for the Dover Air Force Base Flight Test Mission Data Sample	. 153
B18	Distribution of Maneuver Load Factors for the Tinker Air Force Base Logistics, Medium Range Mission Data Sample	154
B19	Distribution of Maneuver Load Factors for the Tinker Air Force Base Training Mission Data Sample	155
B20	Distribution of Maneuver Load Factors for the Tinker Air Force Base Flight Test Mission Data Sample	157
B21	Distribution of Maneuver Load Factors for the Travis Air Force Base Logistics, Medium Range Mission Data Sample	158
B22	Distribution of Maneuver Load Factors for the Travis Air Force Base Logistics, Long Range Mission Data Sample	160
B23	Distribution of Maneuver Load Factors for the Travis Air Force Base Training Mission Data Sample	161
B24	Distribution of Maneuver Load Factors for the Travis Air Force Base Flight Test Mission Data Sample	162
B25	Distribution of Gust Load Factors for the Charleston Air	162

TABLE	1	PAGE
B26	Distribution of Gust Load Factors for the Charleston Air Force Base Training Mission Data Sample	165
B27	Distribution of Gust Load Factors for the Charleston Air Force Base Miscellaneous Mission Data Sample	166
B28	Distribution of Gust Load Factors for the Charleston Air Force Base Flight Test Mission Data Sample	166
B29	Distribution of Gust Load Factors for the Dover Air Force Base Logistics, Medium Range Mission Data Sample	
B30	Distribution of Gust Load Factors for the Dover Air Force Base Logistics, Long Range Mission Data Sample	
B31	Distribution of Gust Load Factors for the Dover Air Force Base Training Mission Data Sample	
B32	Distribution of Gust Load Factors for the Dover Air Force Base Flight Test Mission Data Sample	
B33	Distribution of Gust Load Factors for the Tinker Air Force Base Logistics, Medium Range Mission Data Sample	172
B34	Distribution of Gust Load Factors for the Tinker Air Force Base Training Mission Data Sample	173
B35	Distribution of Gust Load Factors for the Tinker Air Force Base Flight Test Mission Data Sample	175
B36	Distribution of Gust Load Factors for the Travis Air Force Base Logistics, Medium Range Mission Data Sample	176
B37	Distribution of Gust Load Factors for the Travis Air Force Base Logistics, Long Range Mission Data Sample	178
B38	Distribution of Gust Load Factors for the Travis Air	179

TABLE		PAGE
B39	Distribution of Gust Load Factors for the Travis Air Force Base Flight Test Mission Data Sample	. 180
B40	Distribution of Derived Vertical Gust Velocity for the Charleston Air Force Base Logistics, Medium Range Mission Data Sample	181
B41	Distribution of Derived Vertical Gust Velocity for the Charleston Air Force Base Training Mission Data Sample	= 183
B42	Distribution of Derived Vertical Gust Velocity for the Charleston Air Force Base Miscellaneous Mission Data Sample	184
B43	Distribution of Derived Vertical Gust Velocity for the Charleston Air Force Base Flight Test Mission Data Sample	184
B44	Distribution of Derived Vertical Gust Velocity for the Dover Air Force Base Logistics, Medium Range Mission Data Sample	185
B45	Distribution of Derived Vertical Gust Velocity for the Dover Air Force Base Logistics, Long Range Mission Data Sample	187
B46	Distribution of Derived Vertical Gust Velocity for the Dover Air Force Base Training Mission Data Sample	188
B47	Distribution of Derived Vertical Gust Velocity for the Dover Air Force Base Flight Test Mission Data Sample	189
B48	Distribution of Derived Vertical Gust Velocity for the Tinker Air Force Base Logistics, Medium Range Mission Data Sample	190
B49	Distribution of Derived Vertical Gust Velocity for the Tinker Air Force Base Training Mission Data Sample	191
B50	Distribution of Derived Vertical Gust Velocity for the	102

TABLE	PAGE
B51	Distribution of Derived Vertical Gust Velocity for the Travis Air Force Base Logistics, Medium Range Mission Data Sample
B52	Distribution of Derived Vertical Gust Velocity for the Travis Air Force Base Logistics, Long Range Mission Data Sample
B53	Distribution of Derived Vertical Gust Velocity for the Travis Air Force Base Training Mission Data Sample 197
B54	Distribution of Derived Vertical Gust Velocity for the Travis Air Force Base Flight Test Mission Data Sample . 198
Cl	Distribution of Ground Load Factors for the Taxi Mission Phase
C2	Distribution of Ground Load Factors for the Take-Off Run Mission Phase
C3	Distribution of Ground Load Factors for the Landing Roll-Out Mission Phase
C4	Distribution of Ground Load Factors for the Touch-and-Go Roll Mission Phase
C5	Distribution of Ground Load Factors for the Landing Impact Mission Phase
C6	Distribution of Ground Load Factors by Mission Phase for Aircraft Assigned to Dover Air Force Base, Delaware 205
C7	Distribution of Ground Load Factors by Mission Phase for Aircraft Assigned to Tinker Air Force Base, Oklahoma . 207
C8	Distribution of Ground Load Factors by Mission Phase for Aircraft Assigned to Travis Air Force Base, California . 209
C9	Distribution of Ground Load Factor. by Mission Phase for

TABLE			PA	GE
C10	Distribution of Ground Load Factors by Mission Phase Data Acquired at Amarillo Air Force Base/Municipal, Texas			212
C11	Distribution of Ground Load Factors by Mission Phase Data Acquired at Anderson Air Base, Guam			213
C12	Distribution of Ground Load Factors by Mission Phase Data Acquired at Andrews Air Force Base, Washington			214
C13	Distribution of Ground Load Factors by Mission Phase Data Acquired at Antiqua, West Indies			215
C14	Distribution of Ground Load Factors by Mission Phase Data Acquired at Ascension Islands, South Atlantic .			216
C15	Distribution of Ground Load Factors by Mission Phase Data Acquired at Beale Air Force Base, California .			217
C16	Distribution of Ground Load Factors by Mission Phase Data Acquired at Bien Hoa Air/Depot, Vietnam			218
C17	Distribution of Ground Load Factors by Mission Phase Data Acquired at Cannon Air Force Base, New Mexico			219
C18	Distribution of Ground Load Factors by Mission Phase Data Acquired at Carswell Air Force Base, Texas			220
C19	Distribution of Ground Load Factors by Mission Phase Data Acquired at Chambley Air Base, France			221
C20	Distribution of Ground Load Factors by Mission Phase Data Acquired at Charleston Air Force Base/Municipal South Carolina	,		222
C21	Distribution of Ground Load Factors by Mission Phase Data Acquired at Clark Air Base, Philippines			223
C22	Distribution of Ground Load Factors by Mission Phase	for		224

TABLE		P	AGE
C23	Distribution of Ground Load Factors by Mission Phase Data Acquired at Clinton-Sherman Air Force Base, Oklahoma		225
C24	Distribution of Ground Load Factors by Mission Phase Data Acquired at Dallas Love Field, Texas		226
C25	Distribution of Ground Load Factors by Mission Phase Data Acquired at Danang Air Base, Vietnam		227
C26	Distribution of Ground Load Factors by Mission Phase Data Acquired at Dobbins Air Force Base/Naval Air St. Georgia	ation	•
C27	Distribution of Ground Load Factors by Mission Phase Data Acquired at Don Muang Air Depot, Bangkok, Thai		229
C28	Distribution of Ground Load Factors by Mission Phase Data Acquired at Dover Air Force Base, Delaware .		230
C29	Distribution of Ground Load Factors by Mission Phase Data Acquired at Edwards Air Force Base, California		232
C30	Distribution of Ground Load Factors by Mission Phase Data Acquired at Elmendorf Air Force Base, Alaska		233
C31	Dis. ibution of Ground Load Factors by Mission Phase Data Acquired at Forbes Air Force Base, Kansas		234
C32	Distribution of Ground Load Factors by Mission Phase Data Acquired at Ft. Smith Municipal, Arkansas		235
C33	Distribution of Ground Load Factors by Mission Phase Data Acquired at Goose Bay, Labrador		236
C34	Distribution of Ground Load Factors by Mission Phase Data Acquired at Greater Southwest International, Texa		237
C35	Distribution of Ground Load Factors by Mission Phase		220

TABLE	P	AGE
C36	Distribution of Ground Load Factors by Mission Phase for Data Acquired at Hill Air Force Base, Utah	
C37	Distribution of Ground Load Factors by Mission Phase for Data Acquired at Hunter Air Force Base, Georgia	
C38	Distribution of Ground Load Factors by Mission Phase for Data Acquired at Kadena Air Base, Okinawa	
C39	Distribution of Ground Load Factors by Mission Phase for Data Acquired at Kelly Air Force Base, Texas	
C40	Distribution of Ground Load Factors by Mission Phase for Data Acquired at Kimpo International Airport, Seoul, Kore	
C41	Distribution of Ground Load Factors by Mission Phase for Data Acquired at Kindley Air Force Base, Bermuda	
C42	Distribution of Ground Load Factors by Mission Phase for Data Acquired at Lajes Air/Depot, Azores	
C43	Distribution of Ground Load Factors by Mission Phase for Data Acquired at Lakehurst Naval Air Station, New Jersey	246
C44	Distribution of Ground Load Factors by Mission Phase for Data Acquired at March Air Force Base, California	
C45	Distribution of Ground Load Factors by Mission Phase for Data Acquired at McChord Air Force Base, Washington .	248
C46	Distribution of Ground Load Factors by Mission Phase for Data Acquired at McClellan Air Force Base, California.	249
C47	Distribution of Ground Load Factors by Mission Phase for Data Acquired at McConnell Air Force Base, Kansas	250
C48	Distribution of Ground Load Factors by Mission Phase for Data Acquired at McCoy Air Force Base, Florida	251
C49	Distribution of Ground Load Factors by Mission Phase for Data Acquired at McGuire Air Force Base. New Jersey	252

TABLE		P	AGE
C50	Distribution of Ground Load Factors by Mission Phase Data Acquired at Minneapolis-St. Paul International, Minnesota		253
C51	Distribution of Ground Load Factors by Mission Phase Data Acquired at New Orleans Naval Air Station, Louisiana		254
C52	Distribution of Ground Load Factors by Mission Phase Data Acquired at Niagara Falls Municipal, New York		255
C53	Distribution of Ground Load Factors by Mission Phase Data Acquired at North Island Naval Air Station, Califo		256
C54	Distribution of Ground Load Factors by 'dission Phase Data Acquired at Patrick Air Force Base, Florida		256
C55	Distribution of Ground Load Factors by Mission Phase Data Acquired at Pittsburgh-Monroeville, Pennsylvania		257
C56	Distribution of Ground Load Factors by Mission Phase Data Acquired at Pleiku Air/Depot, Vistnam		258
C57	Distribution of Ground Load Factors by Mission Phase Data Acquired at Point Mugu Naval Air Station, Californ		259
C58	Distribution of Ground Load Factors by Mission Phase: Data Acquired at Randolph Air Force Base, Texas.		260
C59	Distribution of Ground Load Factors by Mission Phase: Data Acquired at Rhein Main Air/Depot, Germany.		261
C60	Distribution of Ground Load Factors by Mission Phase: Data Acquired at Richards-Gebaur Air Force Base, Missouri		262
C61	Distribution of Ground Load Factors by Mission Phase : Data Acquired at Robins Air Force Base, Georgia		263
C62	Distribution of Ground Load Factors by Mission Phase in Data Acquired at Saigon. Tan Son Nhut Air Depot. Vietn		264

TABLE		P	AGE
C63	Distribution of Ground Load Factors by Mission Phase Data Acquired at Scott Air Force Base, Illinois		265
C64	Distribution of Ground Load Factors by Mission Phase Data Acquired at Sheppard Air Force Base, Texas .		266
C65	Distribution of Ground Load Factors by Mission Phase Data Acquired at Tainan Air/Depot, Taiwan, Formosa		267
C 66	Distribution of Ground Load Factors by Mission Phase Data Acquired at Takhli Air/Depot, Thailand		268
C67	Distribution of Ground Load Factors by Mission Phase Data Acquired at Tinker Air Force Base, Oklahoma.		269
C68	Distribution of Ground Load Factors by Mission Phase Data Acquired at Travis Air Force Base, California.		271
C69	Distribution of Ground Load Factors by Mission Phase Data Acquired at Tulsa International, Oklahoma		273
C70	Distribution of Ground Load Factors by Mission Phase Data Acquired at Ubon Air/Depot, Thailand		274
C71	Distribution of Ground Load Factors by Mission Phase Data Acquired at Wake Airport, Wake Island		275
C72	Distribution of Ground Load Factors by Mission Phase Data Acquired at Wheelus Air Base, Libya		276
C73	Distribution of Ground Load Factors by Mission Phase Data Acquired at Whiteman Air Force Base, Missouri		276
C74	Distribution of Ground Load Factors by Mission Phase Data Acquired at Wilkes-Barre-Scranton, Pennsylvania		277
C75	Distribution of Ground Load Factors by Mission Phase Data Acquired at Wright-Patterson Air Force Base, Of		278
C76	Distribution of Ground Load Factors by Mission Phase Data Acquired at Yokota Air Base, Japan		279

TABLE		PAGE
C77	Distribution of Ground Load Factors by Mission Phase for Data Acquired at Youngstown Municipal, Ohio	281
Dl	List of Routes Over Which Atmospheric Turbulence Study Data was Acquired	284
D2	Distributions of Derived Vertical Gust Velocity for All Routes Combined	293
D3	Distributions of Derived Vertical Gust Velocity for the Route Between Tinker Air Force Base, Oklahoma and Travis Air Force Base, California	302
D4	Distributions of Derived Vertical Gust Velocity for the Route Between Travis Air Force Base, California and Kelly Air Force Base, Tayan	205
D5	Melly Air Force Base, Texas	305
~	Dover Air Force Base, Delaware	309
D6	Distributions of Derived Vertical Gust Velocity for the Route Between Travis Air Force Base, California and Charleston Air Force Base/Municipal, South Carolina.	313
D7	Distributions of Derived Vertical Gust Velocity for the Route Between Travis Air Force Base, California and	
D8	McGuire Air Force Base, New Jersey	317
	Route Between Travis Air Force Base, California and Hickam Air Force Base, Hawaii	320
D9	Distributions of Derived Vertical Gust Velocity for the Route Between Travis Air Force Base, California and Wake Airport, Wake Island	329
D10	Distributions of Derived Vertical Gust Velocity for the Route Between Travis Air Force Base, California and	327
	Yokota Air Base, Japan	338

TABLE		PAGE
D11	Distributions of Derived Vertical Gust Velocity for the Route Between Kelly Air Force Base, Texas and Elmendorf Air Force Base, Alaska	. 345
D12	Distributions of Derived Vertical Gust Velocity for the Route Between Kelly Air Force Base, Texas and Dover Air Force Base, Delaware	. 350
D13	Distributions of Derived Vertical Gust Velocity for the Route Between Elmendorf Air Force Base, Alaska and Dover Air Force Base, Delaware	. 352
D14	Distributions of Derived Vertical Gust Velocity for the Route Between Elmendorf Air Force Base, Alaska and Charleston Air Force Base/Municipal, South Carolina.	. 357
D15	Distributions of Derived Vertical Gust Velocity for the Route Between Elmendorf Air Force Base, Alaska and McGuire Air Force Base, New Jersey	. 361
D16	Distributions of Derived Vertical Gust Velocity for the Route Between Elmendorf Air Force Base, Alaska and Laurence G. Hanscom Field, Massachusetts	. 363
D17	Distributions of Derived Vertical Gust Velocity for the Route Between Elmendorf Air Force Base, Alaska and Yokota Air Base, Japan	. 365
D18	Distributions of Derived Vertical Gust Velocity for the Route Between Dover Air Force Base, Delaware and Charleston Air Force Base/Municipal, South Carolina.	
D19	Distributions of Derived Vertical Gust Velocity for the Route Between Dover Air Force Base, Delaware and Chateauroux Air Base, France	
D20	Distributions of Derived Vertical Gust Velocity for the Route Between Charleston Air Force Base/Municipal and Torrejon De Ardoz Air Base, Spain	
	TUTTE ON LE ATOX AIT DESC. SDEIN	. 5/9

TABLE		PAGE
D21	Distributions of Derived Vertical Gust Velocity for the Route Between McGuire Air Force Base, New Jersey and Rhein Main Air/Depot, Germany	
D22	Distributions of Derived Vertical Gust Velocity for the Route Between Hickam Air Force Base, Hawaii and Wake Airport, Wake Island	
D23	Distributions of Derived Vertical Gust Velocity for the Route Between Hickam Air Force Base, Hawaii and Clark Air Base, Philippines	
D24	Distributions of Derived Vertical Gust Velocity for the Route Between Hickam Air Force Base, Hawaii and Anderson Air Base, Guam	399
D25	Distributions of Derived Vertical Gust Velocity for the Route Between Hickam Air Force Base, Hawaii and Yokota Air Base, Japan	
D26	Distributions of Derived Vertical Gust Velocity for the Route Between Wake Airport, Wake Island and Clark Air Base, Philippines · · · · · · · · · · · · · · · · · · ·	408
D27	Distributions of Derived Vertical Gust Velocity for the Route Between Wake Airport, Wake Island and Saigon Tan Son Nhut Air/Depot, Vietnam	416
D28	Distributions of Derived Vertical Gust Velocity for the Route Between Clark Air Base, Philippines and Anderson Air Base, Guam	419
D29	Distributions of Derived Vertical Gust Velocity for the Route Between Clark Air Base, Philippines and Yokota Air Base, Japan	
D30	Distributions of Derived Vertical Gust Velocity for the Route Between Clark Air Base, Philippines and Saigon,	422

TABLES concluded

TABLE		PAGE
D31	Distributions of Derived Vertical Gust Velocity for the	
	Route Between Yokota Air Base, Japan and Saigon, Tan	
	Son Nhut Air/Depot, Vietnam	441
D32	Distributions of Derived Vertical Gust Velocity for the	
	Route Between Kadena Air Base, Okinawa and Saigon,	
	Tan Son Nhut Air/Depot, Vietnam	449
D33	Distributions of Derived Vertical Gust Velocity for the	
	Route Between Torrejon De Ardoz Air Base, Spain and	
	Dhahran Air/Depot, Saudi Arabia	454
D34	Distributions of Derived Vertical Gust Velocity for the	
	Route Between Don Muang Air/Depot, Bangkok, Thailand	
	and New Delhi/Palam Air/Depot, India	

SECTION I

INTRODUCTION

This is the final report for the C-141A Aircraft Flight Loads Data Program. Included in this report are descriptions of the various aspects and phases of the program and a presentation and discussion of the resulting data. The various aspects include: design, fabrication, and installation of the instrumentation and recording systems; the acquisition of data; and the reduction and analysis of C-141A aircraft structural load history and atmospheric turbulence data.

1.1 OBJECTIVES

The basic objective of the C-141A Aircraft Flight Loads Data Program was to obtain structural load history information for the C-141A force at an early date in the life of these aircraft and to investigate the atmospheric turbulence environment along worldwide Military Airlift Command, MAC, routes. This program was a single project which incorporated four separate phases: an Interim Flight Loads Program, a Ground Loads Study, a Lead-the-Force Flight Loads Program, and an Atmospheric Turbulence Study.

1.1.1 Interim Flight Loads Program

The Interim Flight Loads Program (IFL) was designed to obtain information used to determine cyclic loads and stresses applied to the aircraft structure during operational usage. This phase of the C-141A Flight Loads Data Program was conducted primarily to obtain data which would assist fatigue analysis personnel in the validation of the predicted flight loads spectra for the C-141A cyclic tests and in prediction of the structural service life expectancy of C-141A fleet aircraft. Further, these data may be used in the establishment of inspection and retrofit schedules, in aircraft rotation planning, and for technical guidance in the planning of new mission concepts.

1.1.2 Ground Loads Study

The C-141A aircraft Ground Loads Study (GLS) was designed to provide the Air Force with a sample of ground load experience data obtained during operational use of the C-141A aircraft. This information will be utilised for the verification of ground loads spectra employed in the aircraft fatigue analysis and cyclic test.

1.1.3 Lead-the-Force Flight Loads Program

The C-141A Lead-the-Force Program, sponsored by Head-quarters Military Airlift Command, MAC, is utilizing six C-141A aircraft which are flying at an accelerated rate compared to the remainder of the C-141A fleet. The primary purpose of this program is the early authentication of logistic planning elements and the identification of problem areas before the remaining fleet experiences them. It will verify and validate the results of the functional simulator test efforts, investigate sonic fatigue, and expedite fixes and necessary modifications.

The Lead-the-Force phase of this flight loads program (LTF) was designed to acquire operational flight load history information on the LTF aircraft. This information was acquired for the purpose of determining if the LTF aircraft have experienced an operational load history similar to the remainder of the fleet but at an accelerated rate. This will be accomplished by correlating LTF data with IFL data.

1.1.4 Atmospheric Turbulence Study

The Atmospheric Turbulence Study, sponsored by Headquarters MAC Air Weather Service, was conducted as a companion effort with the Interim Flight Loads Program. This study was designed to obtain data which will contribute to the climatology of turbulence over MAC routes and also provide information which will enable meteorologists to study the association of turbulence with weather patterns. In general, this investigation was conducted to assist AWS in improving weather forecasting capabilities.

1.2 PROGRAM SUMMARY

The aircraft employed in the C-141A Aircraft Flight Loads Data Program were located at Charleston, Dover, Tinker and Travis Air Force Bases. A total of from 28 to 35 were utilized at various periods during this program to obtain flight load history data. Eight aircraft were employed for the acquisition of ground load experience data.

The primary instrumentation in those aircraft employed to obtain flight load history data was an oscillograph recording system, two pressure transducers, and an accelerometer mounted at the nominal center of gravity of the aircraft. These transducers were used to obtain time history measurements for the determination of airspeed (V), center of gravity normal load factor (G), and pressure altitude (H). The six LTF aircraft were instrumented for the acquisition of VGH data. From 22 to 29 additional C-141A aircraft

were employed for VGH data recording for the IFL phase of this program. In addition to the VGH instrumentation, all of the IFL aircraft, except those at Tinker Air Force Base, had turbulence indicator switches installed to provide a means for correlating the derived vertical gust velocity data with the atmospheric conditions encountered during flight.

The eight aircraft utilized to acquire ground load experience data, the GLS aircraft, were instrumented with an oscillograph recording system and an accelerometer to obtain a time history measurement of center of gravity load factor (G).

All of the aircraft employed in this program had additional electrical circuits installed for recording system control, to provide indications of the occurrence of various mission events, and for monitoring the performance of the recording system.

A total of 7,602 hours of VGH data was acquired on the Lead-the-Force aircraft over the data acquisition period. During this same period, 6,781 hours of VGH data was obtained in the Interim Flight Loads phase. Concurrently with the acquisition of IFL flight loads data, a total of 4,932 hours of Atmospheric Turbulence Study data was recorded. A total of 196.5 hours of ground load factor experience data was obtained in the Ground Loads Study.

Samples of 6,076 and 6,354 flight hours of VGH data were reduced and analyzed for the LTF and IFL efforts, respectively. A total of 4,561 hours of turbulence study data was reduced for the Atmospheric Turbulence Study. A total of 175 hours of ground load factor experience data was reduced and analyzed on the GLS phase of this program.

Work on the C-141A Aircraft Flight Loads Data Program contract was initiated by UDRI on the 19th of July 1965. Instrumentation installation for the IFL, Atmospheric Turbulence Study, and LTF recording efforts began in August of 1965 at Tinker and Travis Air Force Bases. By mid-September, 1965, the instrumentation of the aircraft at these bases was completed, and the recording effort was initiated. In mid-November instrumentation installation began at Charleston and Dover Air Force Bases for the IFL, turbulence study, and LTF phases of this program. Recording of data at these two bases began in January, 1966. The data acquisition efforts for the flight loads phases of this program were terminated on the 15th of September 1966. Thus, at Tinker and Travis Air Force Bases the duration of the flight loads data acquisition period was 12 months, while at Charleston and Dover Air Force Bases the duration was 8 months.

In February, 1966, the C-141 SPO initiated a request for the measurement of ground load factor experience data on eight C-141A aircraft.

Instrumentation in six of the IFL aircraft was modified and two additional aircraft were instrumented for the acquisition of ground loads data. The Ground Loads Study instrumentation installation began in late March, 1966 and was completed in mid-April at which time the recording of data began. The data acquisition requirements for the Ground Loads Study were completed by the 4th of August 1966. Thus the duration of the data acquisition period for the GLS phase of this program was 3 1/2 months.

The distribution of the instrumentation installations for the C-141A program by phase and Air Force Base is presented in Table 1.

TABLE 1

Distribution of Instrumentation Installations

		or to 1 1966	Ap	After April 1966			
	LTF	IFL*	LTF	IFL*	GLS		
Charleston AFB	1	7	1	7	-		
Dover AFB	1	8	1	7	4		
Tinker AFB	2	6	2	4	2		
Travis AFB	2	8	2	4	2		
Totals	6	29	6	22	8		

^{*} All of the IFL aircraft except those at Tinker Air Force Base had turbulence indicator switches installed for the AWS turbulence study.

The first phases of the overall data reduction effort were initiated in late September 1965. The final data tabulations were composited on 8 December 1966.

1.3 DESCRIPTION OF THE AIRCRAFT

The C-141A aircraft, manufactured by the Lockheed-Georgia Company, is a long-range, high-speed, high-altitude aircraft designed for use as a heavy logistic transport. This high sweptwing aircraft is designed to carry

various types of cargo as well as fully assembled missiles in the cargo compartment. It also has an aerial delivery system capability. The C-141A aircraft is powered by four Pratt and Whitney turbofan jet engines that are equipped with target-type thrust reverser doors which are used to assist in decelerating the aircraft on the ground. Aircraft deceleration, both in flight and on the ground, is augmented by upper and lower wing surface spoilers.

In Figure 1 is presented a photograph of a C-141A aircraft. A schematic drawing of the aircraft which includes some of the overall airframe dimensions is shown in Figure 2. In Table 2 is presented some of the design criteria for the C-141A aircraft. The maximum symmetrical flight maneuver load factor for this aircraft is 2.5g, 2.0g under 80 percent restrictions.

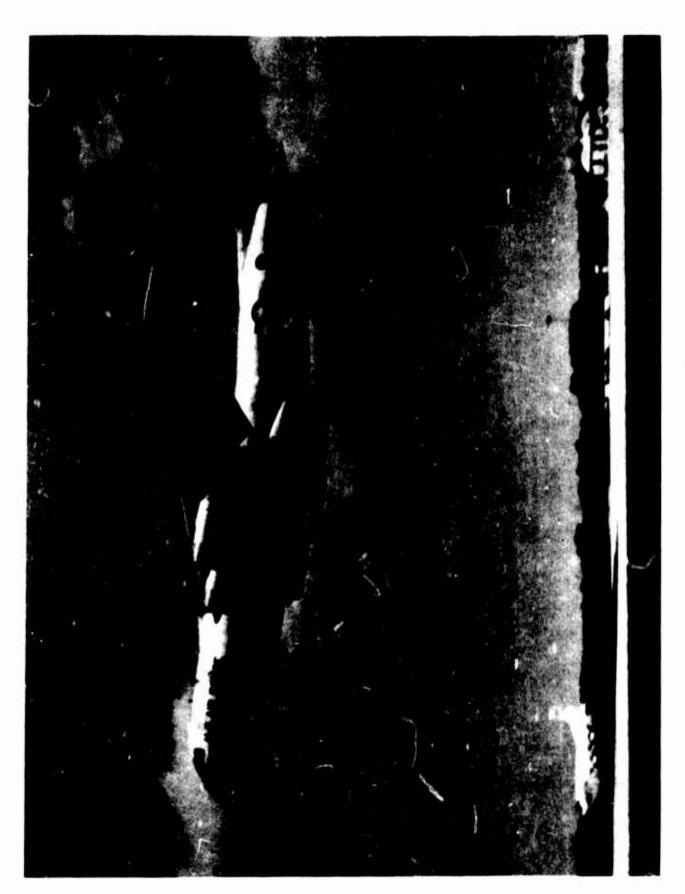


Figure 1. Photograph of C-141A Aircraft

WING AREA - 3228 FT WING SWEEP AT .25 CHORD - 25 DEGREES MAC - 266.47 INCHES ENGINES: FOUR P.B.W TF33-P-7, RATED AT 21,000 LB. THRUST EACH 2 Z - 160.10'--50.34'-

Figure 2. Schematic Drawing of C-141A Aircraft

TABLE 2 C-141A Aircraft Design Criteria

Design Weights
Maximum Ramp Weight 318,000 lb.
Maximum Ramp Fuel Weight 150,020 lb.
Maximum Flight Weight 316,000 lb.
Maximum Flight Fuel Weight 148, 120 lb.
Maximum Landing Weight 316, 100 lb.
(6 ft./sec. Sink Speed)
Normal Landing Weight 257,000 lb.
(10 ft./sec. Sink Speed)
Maximum Zero Fuel Weight 204,620 lb.
Maximum Design Cargo Weight 70,000 lb.
Design Speeds
Limit 410 KCAS to 21,000 ft or M = .89
Maximum Level Flight 350 KCAS to 25,000 ft or M = .825
Rough Air Penetration Speed 270 KCAS to 36,800 ft or M = .825
Spoiler Placard - (Rough Air) 270 KCAS to 32, 300 ft or M = .750
Spoiler Placard 350 KCAS to 19,800 ft or M = .750
Landing Gear Operation 200 KCAS to 24, 200 ft or M = 0.480
Landing Gear Extended 235 KCAS to 23, 200 ft or M = 0.550
T.O. Flap 200 KCAS to 24, 200 ft or M = 0.480
Landing Flap 185 KCAS to 24,700 ft or M = 0.450
Speeds Under 80% Placards
Limit 410 KCAS to 21,000 ft or M = .890
Maximum Level Flight 290 KCAS to 33,700 ft or M = .825
Rough Air Penetration 225 KCAS to 44,500 ft or M = .825
Spoilers (Rough Air) 225 KCAS to 40,000 ft or $M = .750$
Spoilers 290 KCAS to 29,000 ft or M = .750
T.O. & Landing Flap 185 KCAS

SECTION II

INSTRUMENTATION AND RECORDING SYSTEMS

A complete and detailed description of the instrumentation and recording systems employed in this program is described in Reference 1. A brief discussion of the pertinent features of these systems is presented here in order to assist the reader in evaluating the resulting data. The instrumentation and recording system installation locations are schematically shown in Figure 3.

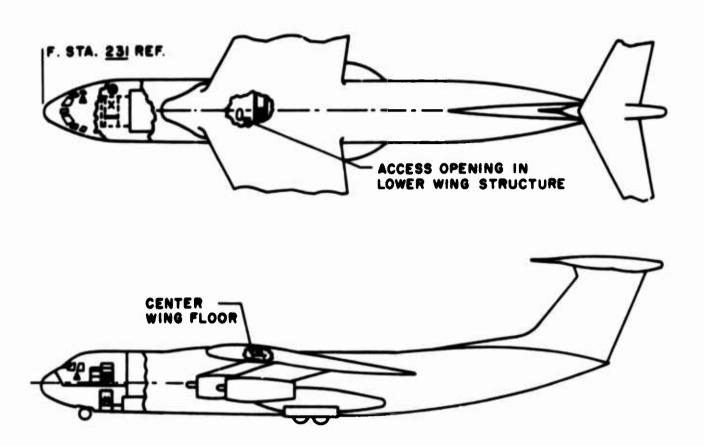
2.1 FLIGHT LOADS INSTRUMENTATION

The VGH instrumentation and recording systems installed in the LTF and IFL aircraft were identical. To determine aircraft airspeed (V) and altitude (H), the dynamic and static pressure histories of each flight were recorded by use of a differential pressure transducer and an absolute pressure transducer, respectively. Both of these units were unbonded-strain-gage, diaphragm-type transducers which received pressure inputs from the co-pilot instrument pressure system. The differential pressure transducer yielded an electrical output proportional to the difference between the pitot and static pressures, i.e., the dynamic pressure, and the absolute pressure transducer yielded an electrical output proportional to the static pressure. The pressure transducers were mounted in the avionics compartment immediately aft of the FAA flight data recorder.

An accelerometer having a bonded strain-gage-type sensing element was employed to obtain a time history of normal load factor (G) at the nominal center of gravity of the aircraft. The accelerometer was installed near the fuselage centerline in the center wing box at Fuselage Station 925.

2. 2 GROUND LOADS INSTRUMENTATION

Each GLS aircraft was instrumented with an accelerometer at the nominal center of gravity of the aircraft. The accelerometer was employed to obtain a time history of normal load factor during taxi, take-off, and landing of the aircraft. The accelerometers employed in the GLS phase were of the same type and installed in the same manner as those used in the acquisition of VGH data. The response characteristics of these accelerometers were sufficient to accurately record load factor data at all frequencies encountered during aircraft ground operations as well as during flight.



INSTRUMENT DESIGNATION	APPROXIMATE FUSELAGE STATION
- ACCELEROMETER	925
X AIRSPEED AND ALTITUDE TRANSDUCERS	410
▲ TURBULENCE INDICATOR SWITCH	300
- RECORDER	410
VGH CIRCUIT BREAKER	406

Figure 3. Schematic Illustrating Instrumentation and Recording System Locations

In order to assist in the interpretation and reduction of the GLS data, the position of one of the aircraft touch-down relays and the output of one of the anti-skid detectors were recorded. The data from the anti-skid detector provided a continuous history of aircraft ground speed which was monitored to determine the times at which the aircraft was standing still, taxing, or taking-off. For this program, those durations during which the ground speed was less than 20 knots were defined as the Taxi mission phase. The position of the aircraft touch-down relay was monitored to facilitate the determination of the time of lift-off or touch-down during data reduction.

2.3 TURBULENCE INDICATOR SWITCH

In order to accomplish the objectives of the AWS Atmospheric Turbulence Study, turbulence indicator switches were installed on the co-pilots side console in those aircraft instrumented for the Interim Flight Loads Program at Charleston, Dover, and Travis Air Force Bases. This switch provided for an electrical signal, which identified the switch position, to be recorded. The VGH data acquired was thus identified by the position of the switch (Storm or Non-Storm) which indicated the nature of turbulence being encountered. The switch was monitored during flight by the aircraft co-pilot according to criteria established by MAC Air Weather Service. These criteria are discussed in Section 3.4

2.4 RECORDING SYSTEM

The recording systems employed throughout the course of this program were comprised of three-channel bridge balance units and oscillograph recorders.

The functions of the bridge balance units were to provide a means for: adjusting input voltage and balancing the various bridge circuits; obtaining resistance calibration; obtaining event indications; and for providing power for the recorder and the various electrical bridges.

Century Electronics, Inc. Model 409H, oscillograph recorders were employed in this program. This recorder is a fourteen-channel instrument which utilizes light beam galva, meters to record on 3-5/8-inch-wide photosensitive paper film. The recorders employed in the VGH phases of this program were operated at a film speed of 6 inches per minute. A film speed of 24 inches per minute was used for the Ground Loads Study phase of this effort. The higher film speed was employed for the GLS phase to facilitate the visual resolution of the higher frequency load factor data encountered during aircraft ground operations.

The drive systems of the oscillograph recorders employed in the IFL and LTF programs were actuated by one of the aircraft's touch-down relays. Thus, data was acquired from lift-off to touch-down. The recorders used in the GLS phase were actuated by relays of the pressure door and landing gear position indicator circuits. The recorder operated from closing of pressure doors until the main landing gear was retracted and locked. During training missions, the entire touch-and-go segment of the mission was conducted with the landing gear extended. To conserve oscillograph film at Tinker AFB where a majority of the flights were training missions, a manual switch to turn on and off the recorder was installed on the flight engineer's console.

In all aircraft the recording system was mounted in the avionics compartment on the center equipment rack aft of the FAA flight data recorder.

Both 100-foot and 400-foot oscillograph magazines were employed during this effort. At a film speed of 6 inches per minute the 100-foot magazines, utilizing 150-foot rolls of thin base oscillograph paper, provided a continuous recording capability of approximately 5 hours. At this film speed the 400-foot magazines provided approximately 13 hours of continuous recording capability.

SECTION III

DATA PROCESSING TECHNIQUES AND CRITERIA

This C-141A flight loads program required the reduction of the recorded data into frequency distributions of peak normal load factor, N_z , and peak derived vertical gust velocity, $U_{\rm de}$. It was required that these data be coded in such a manner that they could be sorted and presented by any combination of a number of flight or mission parameters.

3.1 DATA PROCESSING TECHNIQUES

The data reduction system employed for this program was one which has been developed and proven by the University of Dayton Research Institute over the course of many years on a number of similar flight loads programs. This system utilizes an editing section, a manual data reduction section, a semi-automatic data reading section, a digital computer, and a quality control section. The overall objective of the manual and semi-automatic efforts was the preparation of the data into the form in which it was automatically reduced and analyzed. The actual reduction, classification, sorting, and storage of the data was accomplished by the computer.

3.1.1 Editing Section

The function of the data editing section was to monitor the quality of the instrumentation systems, evaluate the quality and completeness of the raw data, scan all oscillograph records for evidence of unusual flight conditions or of the effects of changes in aircraft utilization, and to specify which portions of the data were to be processed.

All oscillograph records were first reviewed to insure that the instrumentation system was functioning properly and that the traces were of the proper intensity and sensitivity for data reduction. If a need for instrumentation corrective action was suspected, the necessary data was immediately supplied to the instrumentation engineers.

After the quality of the oscillograph data was assured and the completeness of the supplementary data was checked the general nature of the flight was evaluated and the presence of unusual occurrences were noted and recorded. This supplementary data, generated on various forms by the flight crew and UDRI field representatives, included the fuel utilization history, a brief description of the mission, and identification of the instrumentation employed. The final stage in the editing of the data was to establish which portions of the recorded data were to be processed.

3.1.2 Manual Data Reduction Section

The functions of the manual data reduction section were: to prepare the oscillograph data for semi-automatic reading; to prepare the data for computation; and to check the results of both of these efforts.

The initial preparation of the oscillograph chart included a number of manual operations prior to the digitizing of the data. The mean position of the normal load factor trace was established throughout the oscillograph record, and load factor peaks were marked. The times at which the aircraft changed from one mission phase to another and the times at which the turbulence switch position changed were recorded. All of the above operations were checked independently by a data processing technician other than the technician who initially performed the operation.

During the second phase of the manual data reduction operation, the data reduction control information was assembled and transcribed onto punched cards. This control information included calibration data, aircraft weight and fuel expenditure information, historical parameters as a function of time, and other control information. This information was merged and tabulated with the digitized time history data for the flight. The tabulated data was checked against the raw data for completeness, accuracy, and proper format.

Following computation and reduction of the data in an IBM 7094 computer, the reduced data in the form of computer output tabs were returned to the manual data reduction section for final inspection. The purpose of this inspection was to locate any errors in format which might have occurred, to check unusual trends, to verify the magnitudes and distributions of the parameters, and to compare the computed airspeed, altitude, and weight histories with the flight log data. All acceptable and approved data was then permanently stored on magnetic tape.

3.1.3 Semi-Automatic Data Reading Section

The oscillograph records were read and digitized using Benson Lehner OSCAR's equipped with an IBM 024 keypunch. The OSCAR was utilized to measure the displacement of an oscillograph trace from a reference line. In reading the data, the machine operator manually aligns two hair lines on the point to be measured and presses a button. The machine then automatically digitizes the displacement value and punches the value into a card. The operator also used the keypunch to punch identifying information into the cards for use in computing and sorting. For this C-141A flight loads program, the OSCAR's were set to read the oscillograph trace displacements to a resolution of 1/200 inch.

3.1.4 Computer

The IBM 7094 electronic digital computer, located at Wright-Patterson Air Force Base, was used on this program for the reduction, analysis, and compilation of the data. In addition to performing the specified calculations and coding of the data, the computer programs provided for checks of the data by comparing computer values with the normal operating ranges and the performance limitations of the C-141A aircraft. Values or combinations of parameters such as gross weight, altitude, and Mach number which were near the limits or exceeded the normal operating range of the aircraft were noted on the computer output. This data was manually checked to insure accuracy. High or low values of load factor or derived vertical gust velocity also were noted and later were compared manually with the oscillograph trace.

3.1.5 Quality Control

In the interpretation and processing of the data from the oscillograph traces, significant errors can be introduced at three stages: during measurement of pre-flight calibration data, during establishment of the position of the 1.0 g mean line throughout the record, and during the digitizing of the load factor trace. The first two of these operations were accomplished manually and then were independently checked and verified. Thus, errors introduced during these operations were within an individual's capability to read a scale accurately.

The third major source of error was in the reading and digitizing of the oscillograph data on the Benson-Lehner OSCAR's. In order to maintain these reading errors within acceptable limits, statistically determined samples of the data were selected for checking, and the mean and standard deviation of the errors was determined. If either the mean or the standard deviation of the reading errors for a given sample exceeded specified limits, the flight record was returned to be reread. Before a record was reread, an explanation of the reason for rejection was also given to the reader who had read the record initially. The quality control section maintained a continuous record of the progress of each OSCAR operator in order to monitor his performance and accuracy.

3.2 FLIGHT LOADS CRITERIA

The data reduction and analysis techniques employed in the Interim Flight Loads and Lead-the-Force Flight Loads phases of this program were identical. These techniques are discussed in this section.

3. 2. 1 Peak Criteria

The aircraft nominal center of gravity load factor history was reduced into peak count form. A peak was defined as the maximum excursion of the load factor trace between successive trace crossings of either of the threshold limits. Peak values of load factor within the threshold interval were considered to be insignificant and were not to be reduced. The threshold interval for those peaks which were the result of loads induced by atmospheric turbulence was $0.9 < N_Z < 1.1$. The threshold interval for load factor peaks resulting from pilot induced, maneuver, loads was $0.8 < N_Z < 1.2$.

The load factor peaks caused by atmospheric gusts were identified by the following criteria:

- (a) airspeed trace was rough,
- (b) load factor trace was rough, and peaks were sharp and irregular
- (c) peak exhibited a rapid rise and exponential decay, and
- (d) duration of peak was less than two seconds.

A load factor peak was identified as a maneuver peak when the peak:

- (a) did not meet gust peak criteria,
- (b) exhibited smooth, long-duration shape,
- (c) corresponded with a change in altitude or airspeed, and
- (d) duration exceeded two seconds.

3. 2. 2 Flight Parameters

Each reduced load factor peak and the corresponding discrete value of derived vertical gust velocity was categorized by data block and mission phase. A data block is a flight condition defined by the combination of one class interval each of gross weight (W), pressure altitude (H), and equivalent airspeed (A). The time and air distance traveled during each data block was also computed and coded. Pressure altitude and equivalent airspeed were calculated utilizing the dynamic and static pressure trace readings taken at sufficiently short time intervals to reasonably satisfy the assumption of constant airspeed and altitude over the interval.

The aircraft gross weight was determined at the same times as altitude and airspeed. The gross weight was calculated utilizing initial aircraft weight data and actual fuel expenditure information obtained from logs prepared by the flight engineers during each flight. The time durations between gross weight determinations were sufficiently short to insure that weight changes during the interval were small.

The mission phases used to segment the various aspects of each flight were:

- (1) First Climb
- (2) Second Climb
- (3) First Cruise
- (4) Second Cruise
- (5) First Descent
- (6) Second Descent
- (7) Low Level Prior to Air Drop
- (8) Low Level Subsequent to Air Drop
- (9) Air Drop

The Second Climb, Second Cruise, and Second Descent mission phases applied to the climb, cruise, and descent segments which followed the air drop phase of a logistics drop mission. Low level as applied to mission phases (7) and (8) referred to altitudes of 1,500 feet and below.

3. 2. 3 Mission Parameters

The mission parameters by which the reduced data distributions were coded are listed below.

- (a) Aircraft tail number
- (b) Date of flight
- (c) Season of the year:
 - (1) Winter December through February
 - (2) Spring March through May
 - (3) Summer June through August
 - (4) Fall September through November
- (d) Air Force Base (Base to which aircraft was assigned):
 - (1) Tinker Air Force Base, Oklahoma
 - (2) Travis Air Force Base, California
 - (3) Dover Air Force Base, Delaware
 - (4) Charleston Air Force Base, South Carolina
- (e) Route Flown
- (f) Type of Mission:
 - (1) Logistics, Medium Range
 - (2) Logistics, Long Range
 - (3) Training
 - (4) Logistics Drop, Short Range
 - (5) Miscellaneous Air Drop
 - (6) Flight Test
 - (7) Airborne Training

The coding of the reduced data sample by route flown was accomplished using major route segments. For example, a flight from Travis Air Force Base to Wake Island which stopped at Hickam Air Force Base would constitute two major route segments: Travis to Hickam and Hickam to Wake. The data acquired over each s gment was identified by the route flown code for that segment.

The profiles of the types of mission listed above correspond to mission profiles employed by Lockheed-Georgia Company in fatigue analyses of the C-141A aircraft (See Reference 2). A total of eleven mission profiles were utilized in the fatigue analyses and were coded for data reduction. However, the seven types of mission listed above were the only ones encountered during this effort. The determination of the type of mission for each recorded flight was based upon the comparison of each flight's mission profile with those presented in Reference 2.

The data samples to be reduced and analyzed were selected from the recorded data sample in order to provide a representative sample of service usage, particularly with respect to mission mix. Insofar as was practical, the amount of reduced data for each month of the year was equal.

3. 2. 4 Derived Vertical Gust Velocity

The derivation of the equation for derived vertical gust velocity, U_{de} , in terms of various aircraft flight and performance parameters, aircraft geometry, and gust factor is presented in Reference 3. This equation is also presented in Reference 4. The form of the U_{de} equation employed after substitution of the C-141A aircraft geometric constants, substitution of the subsonic gust factor, and upon rearrangement was

$$U_{d_e} = \frac{\Delta n}{V_t} \left[4279.138 \sqrt{\sigma} + 0.0051698 \frac{W}{m \sqrt{\sigma}} \right] ,$$

Ude = derived vertical gust velocity, ft/sec,

Vt = true airspeed, ft/sec,

W = aircraft gross weight, lb,

σ = ratio of local air density to standard or sea level air density.

 $\Delta n = incremental normal load factor, g's, and$

m = slope of lift curve, per degree.

The slope-of-the-lift curve data employed in this program was based on the clean configuration of the C-141A aircraft. This data was obtained

as a function of Mach number from data generated by the Lockheed-Georgia Company. The slope-of-the-lift curve for 35 percent flaps is as much as 15% greater than that for the clean configuration. However, since the flap and spoiler positions were not recorded, the University was directed to use the clean configuration lift data throughout this effort.

3.3 GROUND LOADS CRITERIA

The data reduction and analysis techniques employed in the Ground Loads Study phase of the C-141A aircraft Flight Loads Data Program are presented in this section.

3.3.1 Peak Criteria

The aircraft center of gravity normal load factor history during ground operations was reduced into peak count form. A peak was defined as the maximum excursion of the load factor trace between successive trace crossing of either threshold limit. This is the same peak criteria which was used for the IFL and LTF phases of this program. Peak values of load factor within the threshold interval, 0.95 < N_z < 1.05, were considered to be insignificant and were not to be reduced.

No attempt was made in the GLS phase to classify load factor peaks in terms of gust, maneuver, or runway roughness. All peaks were classified as ground loads data.

3.3.2 Ground Operations Parameters

Each reduced ground operations load factor peak and the associated time data was categorized by data block and mission phase.

A GLS data block is a ground operation condition defined by a class interval of cargo weight and a class interval of fuel weight. The cargo and fuel weight histories for each flight were determined from initial aircraft weight information and from actual fuel expenditure data obtained from logs prepared by the flight engineers during each flight. Only data recorded while the aircraft was in motion on the ground was included in the GLS data sample.

The mission phases utilized to segment the different aspects of the ground experience of each aircraft were:

- (1) Taxi,
- (2) Take-off Run,
- (3) Landing Roll-out,
- (4) Touch-and-Go Roll, and
- (5) Landing Impact.

The Landing Impact mission phase included both full stop and touch-and-go landings. The duration of this segment was defined as the first three seconds following initial runway contact by the landing gear.

The duration of the Landing Roll-out mission phase was defined as the period of time from the end of the Landing Impact mission phase until the time at which the aircraft's ground speed decelerated to 20 knots. The end of the Touch-and-Go Roll mission phase was defined as the time of lift-off.

3.3.3 Mission Parameters

The mission parameters by which the reduced ground loads data were coded included all of those listed in Section 3. 2. 3. In addition, the ground loads data were identified by the Air Force Base or air terminal at which the data was acquired.

3.4 ATMOSPHERIC TURBULENCE CRITERIA

The turbulence indicator switch (refer to Section 2. 2) provided the means by which the recorded data was identified as having been obtained under either storm or non-storm conditions. The turbulence indicator switch was monitored by the aircraft co-pilot, and he used his best judgment to determine the proper position of the switch, i.e., Storm or Non-Storm.

All data acquired when the aircraft was in the immediate vicinity of convective activity was identified as having been obtained under storm conditions. Convective activity included cumuliform cloud structures (non-stratus), thunderstorms, squalls, hail, tornadoes, etc. An aircraft was considered in the "immediate vicinity" of a storm when it was within a 25-mile horizontal and a 5,000-foot vertical distance from a storm. Data acquired at altitudes below 15,000 feet was not pertinent to the Air Weather Service studies. This data, by AWS direction, was classified as Storm data. For all other conditions not specified above including flight in clear air, stratus clouds, haze, and cirrus clouds, the data was identified as having been acquired under non-storm conditions.

Insofar as data reduction was concerned, the turbulence study condition (storm or non-storm) was an additional flight parameter by which the appropriate Interim Flight Loads $U_{\mathbf{d}_{\mathbf{a}}}$ distributions were coded.

CAUTION - Because of the storm and non-storm criteria employed for this study, this data should not be used for structural calculations. The use of the terms storm condition and non-storm condition in the Atmospheric Turbulence Study were utilized for the sake of brevity and, unfortunately,

may be misleading. The data for this study was coded with regard to the existance or non-existance of atmospheric convective activity in the vicinity of the aircraft at the time at which the data was recorded. The data was coded in this fashion for meteorological studies, and the definitions of the storm and non-storm conditions differ from those normally employed in the generation of gust input spectra used for aircraft structural design and analysis. Thus, it is recommended that the Atmospheric Turbulence Study Data not be used for structural calculations.

SECTION IV

RESULTS

During the data acquisition phase of this program a total of 7,602 hours of reducible VGH data was acquired on the C-141A Lead-the-Force aircraft. This sample represents approximately 80 percent of the flight time logged by the LTF aircraft during this period. A reducible VGH data sample of 6,781 flight hours was collected on C-141A aircraft instrumented for the Interim Flight Loads phase. Concurrently with the collection of the IFL data sample, 4,932 hours of usable data was acquired for the Atmospheric Turbulence Study phase of this effort. About 98 percent of all the flight loads data recorded during this effort was reducible.

The reducible data yield for the Ground Loads Study was 196.5 hours of ground load experience data. This sample represents 99 percent of all of the ground loads history data collected during the 3 1/2 month GLS data acquisition period. In Table 3 are presented the distributions by Air Force Base and program phase of the recorded reducible data samples acquired during this program.

Of this usable data, a total sample of 12,430 hours of flight loads data was completely reduced into peak count distributions of center of gravity normal load factor and derived vertical gust velocity. This sample includes 6,076 hours of VGH data acquired on the C-141A Lead-the-Force aircraft, and 6,354 hours of VGH data obtained from those C-141A aircraft employed in the Interim Flight Loads phase. Concurrently with the reduction and compilation of the IFL data, 4,562 hours of the IFL derived vertical gust velocity data was coded by atmospheric condition and sorted for the Atmospheric Turbulence Study. For the GLS effort a sample of 174.5 hours of ground load experience data was completely reduced into peak count distributions of ground load factor. The distributions of these reduced data samples is presented in Table 4 by Air Force Base and program phase.

To justify the use of the VGH data acquired during the Interim Flight Loads phase of this program in fatigue analyses of the C-141A airframe, the reduced data must be representative of the total C-141A fleet load history. The load history of a fleet of aircraft depends upon the manner in which the aircraft are utilized and upon the environment in which the aircraft are flown. A study was conducted to determine whether or not the flights included in the reduced data sample would be representative of the usage and the environment experienced by the entire fleet.

Not all of the aircraft in the fleet were instrumented. Early in the program approximately seventy percent of the fleet was instrumented, but as new aircraft were delivered during the course of the program, the ratio of

Distribution of Recorded Data Samples (Hours)
by Air Force Base and Program Phase

Air Force Base Program Phase	Charleston	Dover	Tinker	Travis	Totals
Interim Flight Loads	1,295	1,362	1,849	2, 275	6,781
Lead-the-Force Flight Loads	742	1,103	2, 537	3, 220	7,602
Ground Loads Study		95.0	69. 5	32.0	196.5
Atmospheric Turbulence Study	1,295	1,362		2, 275	4, 932

TABLE 4

Distribution of Reduced Data Samples (Hours) by Air Force Base and Program Phase

Air Force Base Program Phase	Charleston	Dover	Tinker	Travis	Totals
Interim Flight Loads	1,200	1,221	1,792	2,141	6,354
Lead-the-Force Flight Loads	646	960	1,949	2,521	6,076
Ground Loads Study		84. 5	69.5	32.0	174.5
Atmospheric Turbulence Study	1,200	1, 221		2, 141	4, 562

instrumented aircraft to the total fleet dropped to about twenty-five percent. However, since a large number of aircraft were instrumented, it was assumed that the instrumented fleet usage was representative of the total fleet usage.

Not every flight of the instrumented aircraft was recorded; however, historical flight information records were maintained for each flight of every instrumented aircraft during the entire recording period. Therefore, a complete record was kept of the activities of the instrumented aircraft in addition to that portion of the instrumented fleet's activity represented by the reduced data sample.

The degree to which the reduced Interim Flight Loads data sample reflected fleet usage was determined by comparing the mission mix of all flights of the IFL instrumented aircraft at each base with the mission mix at each base in the reduced IFL data sample. The results of this comparison is presented in Table 5, which indicates that the reduced IFL data sample is in general quite representative of the C-141A aircraft fleet usage during the data acquisition period. At all of the bases except Dover Air Force Base the percentage of the flights flown for a given type of mission differs by less than five percent from the corresponding percentage in the reduced data. At Dover Air Force Base the percentages of the total number of flights of training and logistics missions for which data was reduced are approximately 10 percent greater and less, respectively, than the percentages flown.

The determination of the similarity of environment experienced by the fleet as compared to that experienced by the Interim Flight Loads aircraft was beyond the scope of this program. Data are available to make this evaluation if the Air Force should decide to do so. The atmospheric turbulence is a function of geographical area, season, and climatological parameters. Inasmuch as the data in the reduced data sample were acquired over a 12-month period, and since the month by month IFL samples were appropriately selected to reflect fleet activity, it is believed that the effects of season and climate are adequately represented in the data sample. Further, since no scheduling preference was given to instrumented aircraft, there is no reason to believe that the average environment encountered by the instrumented aircraft is different from that experienced by the fleet.

From this analysis, it was concluded that the Interim Flight Loads reduced data sample does adequately represent the service load experience of the C-141A fleet in terms of mission mix and of flight environment.

The reduced Lead-the-Force data sample was acquired during approximately sixty percent of the total mission time of the LTF aircraft during the data acquisition period. Historical flight information records were maintained, however, for each flight of every LTF aircraft during the entire recording period. A comparison was made of the mission mix of all flights

TABLE 5

Comparison by Mission Type of the Percentage of the Number of Flights Flown with the Percentage of the Number of Flights in the Reduced Flight Loads Data Samples at Each Base

	Charleston	ton AFB	Dove	Dover AFB	Tinker AFB	r AFB	Travi	Travis AFB	H	Totals
LEAD - THE - FORCE	Flown	Reduced	Flown	Flown Reduced	Flown	Flown Reduced	Flown	Flown Reduced	Hown	Reduced
Logistics	94.0	94.2	83.8	73.6	5.9	4.6	87.1	87.3	59. 1	54.8
Training	3.3	2.9	14.6	14.6 23.8	91.9	94.8	11.7	11.9	39.1	4.0
Flight Test	1.6	1.0	1.6	5.6	2.2	9.0	0.8	8.0	1.5	1.0
Air Drop	1.1	1.9		:		1	į	i	0.1	0.2
Airborne Training	#						4.0	0.0	0.2	0.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
INTERIM FLIGHT LOADS										
Logistics	68.9	70.9	72.1	62.4	6.3	4.3	75.0	72.0	56.5	48. 4
Training	22.7	23.6	25.9	25.9 34.3	92.0	95.3	23.2	27.8	40.1	49.7
Flight Test	3.9	0.7	0.3	4.0	1.6	4.0	0.2	0.2	1.4	0.4
Air Drop	4.4	4.4	1.4	5.9	0.1	0.0	0.3	0.0	1.5	1.4
Airborne Training	0.1	4.0	0.3	0.3 0.0		:	1.3	0.0	0.5	0.1
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100. c	100.0	100.0

of the LTF aircraft at each base with the mission mix at each base in the reduced LTF data sample. The results of this comparison are presented in Table 5, which indicates that the LTF reduced data sample is in general quite representative of the Lead-the-Force aircraft utilization during the data acquisition period.

The reduced data samples are presented in the Appendixes of this report in the form of tabular distributions and cumulative frequency graphs of peak maneuver and gust load factors and of peak derived vertical gust velocity. The tables are reproductions of the computer output tabulations. The total times and distances shown may not agree in the last significant figure with the sum of the values given by data block categories because of rounding. Histograms representing the airspeed and altitude usage of the C-141A aircraft for the various missions flown are also included in the Appendixes.

This data was previously presented in the final periodic data reports which were submitted to the C-141 System Program Office (References 5, 6, and 7). These periodic data reports contain historical flight information for every flight for which data was recorded as well as listings of unusual experience that were encountered during the flights for which the data was reduced. The load factor and U_{d_e} data distributions in the final periodic data reports for the VGH phases of this program are presented by gross weight, altitude, airspeed, base, mission, and mission phase. Also contained in these reports are tabulations of maneuver load factor exceedence data by mission phase and tabulations of derived vertical gust velocity exceedence data by base and mission phase. Inquiries concerning data presented in the final periodic data reports must be directed to the C-141 SPO. The final reduced data samples are presently being employed in fatigue evaluations of the C-141A aircraft.

The data contained herein is described in the following paragraphs.

4.1 INTERIM FLIGHT LOADS DATA

The final data presentations for the Interim Flight Loads phase of the "C-141A Aircraft Flight Loads Data Program" are included in Appendix A of this report. This structural load experience data sample is summarized in the maneuver and gust spectra presented in Figures A1 and A2. Figure A1 is the cumulative frequency (exceedence curve) for the total positive maneuver load experience without regard to any mission parameter or flight condition, and Figure A2 presents the positive derived vertical gust velocity spectrum by altitude obtained during the IFL phase of this program.

The distribution of the reduced Interim Flight Loads data by Air Force Base and mission type is presented in Table 6. It should be noted that the number of hours of reduced data shown in Table 6 does not necessarily equal the total number of flight hours associated with the number of missions indicated in Table 6. In some cases the oscillograph film was completely exposed before the end of the flight and thus the data associated with the end of the flight was not recorded or consequently, reduced. In a few cases, data from only portions of a recorded flight could be reduced because the lack of sufficient fuel utilization information prevented the processing of the later portions of the record. Therefore it is possible that, at a given base and for a given type of mission, the number of flight hours experienced by the aircraft for the number of missions indicated in Table 6 could be greater than the number of hours of reduced data. Thus, the reader should use caution in using the information in Table 6 to determine average mission durations.

The Ude spectra by altitude for each Air Force Base are presented for positive and negative gusts separately in Figures A3 through A6. These spectra of derived vertical gust velocity generally show the usual decrease in the severity of atmospheric turbulence with increasing altitude. However, the data acquired from aircraft stationed at Charleston Air Force Base indicate that the severity of turbulence is greater in the range of altitudes of from 20,000 to 25,000 feet than in the range of 15,000 to 20,000 feet. Further the data acquired at Tinker Air Force Base indicate that the severity of turbulence for altitudes above 25,000 feet is about the same as for the altitude range of 15,000 to 25,000 feet. In as much as the missions flown from Tinker Air Force Base were primarily of a training nature, less than 8 percent of the data yield from Tinker was acquired at altitudes above 25,000 feet. Therefore, the data sample acquired above 25,000 feet from aircraft stationed at Tinker Air Force Base is not believed to be an all inclusive sample of high altitude gust load experience.

Comparisons of the gust spectra of Figures A3 through A6 by Air Force Base reveal expected variations in the severity of turbulence with geographical location. The low altitude gust experience acquired at Tinker Air Force Base is significantly more turbulent than that acquired at the other three bases. For altitudes between 25,000 and 35,000 feet the turbulence experienced by aircraft stationed at Charleston Air Force Base was more severe than that experienced by aircraft assigned to Dover and Travis Air Force Bases.

As the result of the magnitude of the gust load factor threshold limits established for the reduction of the load factor time histories, all of the derived vertical gust velocity data for the first U_{d_e} bands ($5 \le |U_{d_e}| < 7.5$) was not obtained. The U_{d_e} data not included in these bands was that obtained during flight conditions of combined high gross weight and low airspeeds.

TABLE 6

Distribution of the Reduced Flight Loads Data
Samples (Number and Hours) by Air Force Base and Mission

The same

INTERIM FLIGHT LOADS PHASE

Air Force Base Mission		Charleston	Dover	Tinker	Travis	Totals
Logistics, Medium Range	No. Hrs.	189 882.8	173 881. 3	20 44. 5	288 1,245.6	670 3,054.2
Logistics, Long Range	No. Hrs.	3 30. 7			43 424. 4	46 455. 1
Training	No. Hrs.	64 238. 8	95 313. 8	449 1,744.0	128 470. 4	736 2,767.0
Logistics Drop, Short Range	No. Hrs.	•••	3 9. 4			3 9. 4
Miscellaneous	No. Hrs.	12 44. 7	5 16. 3			17 61. 0
Flight Test	No. Hrs.	2 1. 2	1 0. 6	2 3. 5	1 0. 6	6 5. 9
Airborne Training	No. Hrs.	1 1.5				1 1. 5

LEAD-THE-FORCE FLIGHT LOADS PHASE

Air Force Base Mission		Charleston	Dover	Tinker	Travis	Totals
Logistics, Medium	No.	98	137	22	400	657
Range	Hrs.	613. 2	766. 7	82. 7	1,903.1	3,365.7
Logistics, Long Range	No. Hrs.		2 23. 1		42 430. 9	44 454. 0
Training	No.	3	45	455	60	563
	Hrs.	23. 5	166. 0	1,862.0	131. 4	2,232.9
Miscellaneous	No. Hrs.	2 8.6	•••		***	2 8. 6
Flight Test	No.	1	5	3	4	13
	Hrs.	1.4	4. 4	4. 2	5. 4	15. 4

This combination is normally only prevalent at take-off and thus only the low altitude data of Figures A2 through A6 is significantly affected. The affect of the load factor threshold limits on these $U_{\rm de}$ exceedence curves is demonstrated by the change in slope of the curves above -7.5 feet per second and below +7.5 feet per second for the lower three altitude ranges. Thus, the data reduction limitation imposed by the load factor threshold limits affects only the first $U_{\rm de}$ band on both sides of threshold for the low altitude curves. All of the data in the derived vertical gust velocity data bands above +7.5 and below -7.5 feet per second is complete and unbiased.

Tabular distributions of peak derived vertical gust velocity versus altitude for each of the four Air Force Bases involved in this effort are presented in Tables Al through A4.

In Figures A7 through A20 is presented histograms which show separately the percentages of flight time in selected airspeed and altitude ranges. These histograms for airspeed and altitude are presented in pairs for each of the seven types of missions encountered during this effort. Comparisons by mission of the histograms presented in terms of the percentage of flight time in the various altitude ranges provide an indication of the differences in the mission profiles of the different types of missions. Tables A5 through A11 present the distribution of flight time in the various combined altitude and airspeed increments for each type of mission.

Tabular peak distributions of maneuver load factors, gust load factors, and derived vertical gust velocity versus data block by Air Force Base and mission type are presented in Tables A12 through A65 in Appendix A. A data block is a flight condition defined by one class interval each of gross weight (W), pressure altitude (HH), and equivalent airspeed (A). In order to limit the physical size of this report, the data blocks are given in coded form. The codes employed are identified in Table 7.

The load factor and derived vertical gust velocity class intervals are also presented in coded form as shown in Table 8. For load factor class intervals, the distribution headings represent:

- (1) The lower load factor boundary of the class interval for load factors greater than 1.0, and
- (2) The upper load factor boundary of the class interval for load factors less than 1.0.

For example, load factor, class interval codes of 1.8 and 0.6 refer, respectively, to the class intervals $1.8 \le N_z \le 2.0$ and $0.5 \le N_z \le 0.6$. Thus, it can be seen that the value of load factor presented in the headings corresponds to the absolute lower incremental load factor limit of the class interval. For the U_{de} distributions the absolute lower limit of the data band is presented in

TABLE 7

Description of the Weight, Altitude, and Airspeed Band Codes

WEIGHT		AIRSPEED	
Weight Ranges (1000 lbs.)	W Code	Airspeed Ranges (KEAS)	A Code
W < 130	1	0 V _e < 100	1
$130 \leq W < 170$	2	$100 \leq V_e \leq 150$	2
$170 \leq W < 210$	3	$150 \leq V_e < 200$	3
$210 \leq W < 250$	4	$200 \leq V_e < 250$	4
$250 \leq W < 290$	5	$250 \le V_e < 300$	5
290 ≤ W	6	$300 \le V_e < 350$	6
		$350 \le V_e < 400$	7
		400 ≤ Ve	8

ALTITUDE

Altitude Ranges (1000 ft.)	HH Code
h < 1	1
$1 \le h < 2$	2
$2 \le h < 5$	3
$5 \le h < 10$	4
$10 \le h < 15$	5
$15 \le h < 20$	6
$20 \le h < 25$	7
$25 \le h < 30$	8
$30 \le h < 35$	9
35 ≤ h	10

TABLE 8

Description of the Load Factor and Derived Gust Velocity Bands

		Load	Incremental
Nz	Band	Factor Range (g's)	Acceleration Range (g's)
Gust	Maneuver		
-0.5 0 0.5 0.6 0.7 0.8 0.9	-0.5 0.5 0.6 0.7	$ N_{z} \le -0.5 -0.5 < N_{z} \le 0 0 < N_{z} \le 0.5 0.5 < N_{z} \le 0.6 0.6 < N_{z} \le 0.7 0.7 < N_{z} \le 0.8 0.8 < N_{z} \le 0.9 1.1 \le N_{z} < 1.2 $	$\triangle n \le -1.5$ $-1.5 < \triangle n \le -1.0$ $-1.0 < \triangle n \le -0.5$ $-0.5 < \triangle n \le -0.4$ $-0.4 < \triangle n \le -0.3$ $-0.3 < \triangle n \le -0.2$ $-0.2 < \triangle n \le -0.1$ $0.1 \le \triangle n < 0.2$
1. 2 1. 3 1. 4 1. 6 1. 8 2. 0 2. 5 3. 0	1. 2 1. 3 1. 4 1. 6 1. 8 2. 0 2. 5 3. 0	$1.2 \le N_{z} < 1.3$ $1.3 \le N_{z} < 1.4$ $1.4 \le N_{z} < 1.6$ $1.6 \le N_{z} < 1.8$ $1.8 \le N_{z} < 2.0$ $2.0 \le N_{z} < 2.5$ $2.5 \le N_{z} < 3.0$ $3.0 \le N_{z}$	$0.2 \le \Delta n < 0.3$ $0.3 \le \Delta n < 0.4$ $0.4 \le \Delta n < 0.6$ $0.6 \le \Delta n < 0.8$ $0.8 \le \Delta n < 1.0$ $1.0 \le \Delta n < 1.5$ $1.5 \le \Delta n < 2.0$ $2.0 \le \Delta n$

Ude Band	Ude Range (ft/sec)
-35.0	$U_{d_e} \leq -35.0$
-30.0	$-35.0 < Ud_e \le -30.0$
-25.0	$-30.0 < U_{d_e} \le -25.0$
-20.0	$-25.0 < U_{de} \le -20.0$
-17.5	$-20.0 < U_{de} \le -17.5$
-15.0	$-17.5 < U_{d_e} \le -15.0$
-12.5	$-15.0 < Ud_e \le -12.5$
-10.0	$-12.5 < U_{de} \le -10.0$
- 7.5	$-10.0 < U_{d_e} \le -7.5$
- 5.0	$-7.5 < U_{d_a} \le -5.0$
+ 5.0	$+ 5.0 \le U_{d_a} < + 7.5$
+ 7.5	$+ 7.5 \le U_{d_e} < +10.0$
+10.0	$+10.0 \le U_{de} < +12.5$
+12.5	$+12.5 \le U_{d_e} < +15.0$
+15.0	$+15.0 \le U_{de} < +17.5$
+17.5	$17.5 \le U_{d_e} < +20.0$
+20.0	$+20.0 \le U_{d_0} < +25.0$
+25.0	$+25.0 \le U_{d_e} < +30.0$
+30.0	$+30.6 \le U_{de} < +35.0$
+35.0	+35.0 ≤ Ude

the distribution headings. Thus, the U_{de} distribution headings 10 and -15 represent, respectively, the class intervals $+10 \le U_{de} < 12.5$ and $-17.5 \le U_{de} < -15.0$.

4.2 LEAD-THE-FORCE FLIGHT LOADS DATA

The final data presentations for the Lead-the-Force flight loads phase of this program are included in Appendix B. The structural load experience data acquired during this effort is summarized in the exceedence curves of Figures Bl and B2. In Figure Bl is presented the total positive maneuver load factor spectrum. The positive gust load spectrum is presented by altitude in Figure B2. Comparisons of these LTF spectra with those obtained in the Interim Flight Loads effort (Figures A1 and A2) indicate that the overall maneuver load experience of the LTF aircraft and the IFL aircraft were essentially identical and that the gust load experiences of the two sets of data were very similar. The turbulence encountered by the LTF aircraft at lower altitudes is slightly more severe than that encountered by the aircraft instrumented for the Interim Flight Loads effort. The opposite trend is observed for higher altitudes. The distribution of Lead-the-Force Flight Loads data by Air Force Base and mission type is presented in Table 6.

Lead-the-Force aircraft Ude spectra by altitude for each Air Force Base are presented for positive and negative gusts separately in Figures B3 through B6. These curves are comparable with the same data obtained for the IFL phase of this program. The same data trends noted in section 4.1 apply to the LTF gust spectra. The turbulence experienced below 10,000 feet by the aircraft assigned to Tinker Air Force Base was more severe than that encountered by the LTF aircraft at the other three bases. For altitudes between 25,000 and 35,000 feet the gust load experience of the aircraft assigned to Charleston Air Force Base was more severe than that experienced by aircraft from Dover and Travis Air Force Bases.

The Lead-the-Force flight loads data was reduced according to the same criteria employed in the reduction of the IFL flight loads data. Thus, the U_{d_e} data reduced during the LTF phase is also incomplete in the first bands (5 \leq $|U_{d_e}| < 7.5$) for the high gross weight and low airspeed flight conditions. All of the data in the derived vertical gust velocity data bands above \pm 7.5 and below \pm 7.5 feet per second is complete.

Tabulations of the peak distributions of derived vertical gust velocity sorted by altitude for each Base are presented in Tables Bl through B4.

The histograms of Figures B7 through B16 illustrate the percentages of flight time in the various airspeed and in the various altitudes ranges. These bar graphs for airspeed and altitude are presented in pairs for each

of the five types of mission encountered during the Lead-the-Force flight loads effort. As would be expected, the Lead-the-Force circraft mission profiles, as indicated by the bar graphs of the percentage of flight time in the various altitude ranges, agree well with those obtained for the same type of mission for the IFL phase of this program. Tables B5 through B9 present the distribution of flight time in the various combined altitude and airspeed increments for each type of mission.

Tabulations of the peak distributions of maneuver load factors, gust load factors, and derived vertical gust velocity versus data block by Air Force Base and mission are presented in Tables B10 through B54 in Appendix B. The data block codes utilized in the presentation of this data are identified in Table 7. The data bands headings are precisely defined in Table 8.

4. 3 GROUND LOADS STUDY DATA

The data acquired and reduced for the Ground Loads Study phase of this program is presented in Appendix C of this report. This data is presented in the form of tabular distributions by mission phase of incremental ground load factors versus data block. For this phase of the program a data block is an aircraft condition defined by one class interval each of cargo weight (CW) and fuel weight (FW). As in the case for all load factor distributions presented in this report, in the table heading is presented the value of load factor corresponding to the absolute lower incremental load factor limit of the data band, see Table 9. Table 9 also contains the codes for the cargo weight and fuel weight bands utilized in presenting the data.

A total reduced data sample of 174.5 hours of ground load experience data is presented in Appendix C. The number of occurrences and the number of hours in this data sample for each of the five mission phases are presented in Table 10.

TABLE 10

Distribution of the Reduced Ground
Loads Data Sample by Mission Phase

Mission Phase	Number of Occurrences	Number of Hours
Taxi	1,218	155. 1
Take-off Run	725	5.8
Landing Roll-out	679	8.8
Touch-and-Go Roll	682	3.7
Landing Impact	1,360	1. 1

TABLE 9

Ground Loads Study
Weight and Load Factor Band Descriptions

CARGO	WEIGHT	FUEL WE	IGHT
Cargo Wt. Range		Fuel Wt. Range	
(1000 lbs)	Code	(1000 lbs)	Code
C ≤ 10	1	F ≤ 10	1
10 < C ≤ 20	2	$10 < F \le 20$	2
20 < C ≤ 30	3	20 < F ≤ 35	3
30 < C ≤ 40	4	35 < F ≤ 50	4
40 < C ≤ 50	5	50 < F ≤ 65	5
50 < C ≤ 60	6	65 < F ≤ 80	6
60 < C ≤ 70	7	80 < F ≤ 95	7
70 < C	8	95 < F ≤ 110	8
		$110 < F \le 125$	9
		125 < F	10

LOAD FACTOR

	Load Factor	Incremental Load
Nz Band	Range (g's)	Factor Range (g's)
0.0	$N_{E} \leq 0$	$\Delta n \leq -1.0$
0.30	$0 < N_{\pi} \leq .30$	$-1.0 < \Delta n \leq -0.70$
0.50	$.30 < N_z \le .50$	$-0.70 < \Delta n \leq -0.50$
0.60	$.50 < N_{z} \le .60$	$-0.50 < \Delta n \leq -0.40$
0.70	$.60 < N_z \le .70$	$-0.40 < \Delta n \le -0.30$
0.75	$.70 < N_z \le .75$	$-0.30 < \Delta n \leq -0.25$
0.80	.75 < N _z ≤ .80	$-0.25 < \Delta n \le -0.20$
0.85	$.80 < N_z \le .85$	$-0.20 < \Delta n \leq -0.15$
0.90	.85 < N _z ≤ .90	$-0.15 < \Delta n \le -0.10$
0.95	$.90 < N_z \le .95$	$-0.10 < \Delta n \leq -0.05$
1.05	$1.05 \le N_z < 1.10$	$0.05 \leq \Delta n < 0.10$
1.10	$1.10 \le N_z < 1.15$	$0.10 \leq \Delta n < 0.15$
1.15	$1.15 \le N_z < 1.20$	$0.15 \leq \Delta n < 0.20$
1.20	$1.20 \le N_z < 1.25$	$0.20 \leq \Delta n < 0.25$
1.25	$1.25 \le N_z < 1.30$	$0.25 \leq \Delta n < 0.30$
1.30	$1.30 \le N_z < 1.40$	$0.30 \leq \Delta n < 0.40$
1.40	$1.40 \le N_z < 1.50$	$0.40 \leq \Delta n < 0.50$
1.50	$1.50 \le N_x < 1.70$	$0.50 \le \Delta n < 0.70$
1.70	$1.70 \le N_z < 2.00$	$0.70 \le \Delta n < 1.00$
2.00	2.00 ≤ N _z	$1.00 \le \Delta n$

The data reduced in the GLS phase is summarized in the incremental load factor exceedence curves presented in Figures Cl and C2. In Figure Cl is presented the cumulative number of positive An peaks per hour equal to or greater than An versus incremental load factor for each of the mission phases of Taxi, Take-off Run, Landing Roll-out, and Touch-and-Go Roll. The cumulative frequency of positive An peaks versus An for the Landing Impact mission phase is presented in Figure C2. This curve is presented on a per landing basis. Because of the shape of the curve in Figure C2 below Δn equal to 0. lg, it appears that a number of the peaks in the first data band were "lost" in data reduction. Because of the high frequency of the normal load factor time history in this mission phase, it is extremely difficult and sometimes impossible to resolve and reduce the low-magnitude peaks from the oscillograph trace. Thus, an exponential extrapolation of the remainder of the curve into this range (0.05 $\leq \Delta n < 0.1$) would seem to provide a more realistic representation of the aircraft load experience in the Landing Impact mission phase.

The distribution i ground load factors by data block and by mission phase are presented in Tables C1 through C5 in Appendix C. This same data sample was further sorted by the base to which the aircraft were assigned when the data was acquired and by the Air Force Base or airport at which the data was acquired. The data distributions by mission phase for these sorts is presented in Tables C6 through C8 and in Tables C9 through C77, respectively. These latter tables are presented in alphabetical order by the name of the base. A list of the bases at which data was acquired during this effort are presented in Table 11.

4.4 ATMOSPHERIC TURBULENCE STUDY DATA

In Table D1 of Appendix D is presented a list of routes for which Atmospheric Turbulence Study data was acquired and reduced. Included in this table is the total accumulated flight time and distance traveled over each of these routes. The peak derived vertical gust velocity data for each of these routes was coded by altitude band, by the atmospheric conditions under which the data was obtained, and the season and month during which the data was acquired.

According to specifications by MAC Air Weather Service, data acquired over routes for which the total reduced data sample was less than 20 flight hours and data obtained during local flights was eliminated in the composited data sample. The routes for which the data is presented in Appendix D are identified in table Dl by an asterisk.

In Table D2a is presented tabular distributions of peak Ude by altitude for storm conditions, non-storm conditions, and for the sum of the storm and

TABLE 11

List of Bases at Which Data was Acquired and Reduced for the Ground Loads Study

Charleston AFB/Municipal, South Carolina Don Muang A/D, Bangkok, Theiland Clinton-Sherman AFB, Oklahoma Amarillo AFB, Municipal, Texas Ascension Island, South Atlantic Dobbins AFB/NAS, Georgia Anderson AB, Guam Andrews AFB, Washington Dallas Love Field, Texas Cannon AFB, New Mentee Edwards AFB, California Elmendorf AFB, Alaska Bien Hos A/D, Vietnam Beale AFB, California Clark AB, Phillippines Dover AFE, Lelaware Carswell AFB, Texas Chambley AB, France Antique, West Indies Altus AFB. Oklahoma Denang AB, Vietnam Forbes AFB, Kansas Classified

Minnesota-St. Paul International, Minnesota timpo International Airport, Seoul, Korea Greater Southwest International, Texas Niagara Falls Municipal, New York Pt. Smith Municipal, Arkansas North Island NAS, California New Orleans NAS, Louisiana Lakehurst NAS, New Jersey McChord AFB, Washington AcClellan AFB, California McGuire AFB, New Jersey McConnell AFB, Kansas March AFB, California Cindley AFB, Bermuda Patrick AFB, Florida Goose Bay, Labrador Hunter AFB, Georgia Kadena AB, Okinawa Hickam AFB, Hewali McCoy AFB, Florida Lajes A/D, Azores Kelly AFB, Texas HILL AFB, Utah

Pittsburgh-Monroeville, Pennsylvania Wilkes-Barre-Scranton, Pennsylvania Saigon, Tan Son Nhut A/D, Vietnam Richards-Gebaur AFB, Missouri Sheppard AFB, Texas Tainan A/D, Taiwan, Formosa Takhli A. D, Thailand fulra International, Oklahoma Wright-Patterson AFB, Ohio Youngstown Municipal, Ohio Point Mugu NAS, California Wake Airport, Wake Is. nd Rhein Main A/D, Germany Whiteman AFB, Missouri Iravis AFB, California Tinker AFB, Oklahoma Randolph AFB, Texas Robins AFB, Georgia Pleiku A/D, Vietnam Ubon A/D, Thailand Wheelus AB, Libya fokota AB, Japan

non-storm conditions for all of the routes included in the composited data sample. The total composited sample, which includes 2,786 flight hours of data was sorted by season and by month. The tabular distributions of U_{de} by season are presented in Table D2b through Table D2e, and by month in Tables D2f through D2q. This same method of presentation was employed for reporting the data for each of the 32 routes being studied. The data for each of these routes is presented in Tables D3 through D34.

Since the U_{de} data for the turbulence study is also a part of the IFL data sample, the same comments made in section 4.1, regarding the completeness of the first U_{de} bands for the lower altitude ranges apply to the Atmospheric Turbulence Study.

The investigator should be continuously aware of the means employed to identify the data with the atmospheric conditions surrounding the aircraft. The derived vertical gust velocity data for altitudes above 15,000 feet was identified as having been acquired under storm or non-storm conditions according to the position of a manual switch monitored by the aircraft's co-pilot. The first and primary responsibility of the co-pilot is to assist in the flying of the aircraft and not that of monitoring the turbulence switch. Analyses of the data have led the author to believe that under some situations the co-pilots first responsibility required his undivided attention, and thus it was not always possible for him to continuously monitor the position of the turbulence switch. Since there was no way during data reduction to evaluate the conditions of the environment at the time and location at which the data was recorded, no attempt was made to correct or modify the recorded data in any way.

The results of the Atmospheric Turbulence Study are briefly summarized in the exceedence curves in Figures Dl and D2. In Figure Dl is presented a comparison of the positive U_{de} gust data acquired during each of the four seasons at altitudes of 30,000 feet and above. The altitude range of 30,000 feet and above was selected for this comparison since this range represents the cruising altitudes for logistic flights and does not include much data acquired in ascent and descent near given localities. The curves of Figure Dl indicate that the turbulence during the Winter season is more severe than during the remainder of the year. These curves further indicate that for the larger values of U_{de} the Spring season is the least severe of the four seasons.

In Figure D2 is shown a comparison of the total positive gust data for two routes: for the route between Hickam Air Force Base, Hawaii and Clark Air Force Base, Philippines; and for the route between Clark Air Force Base and Saigon, Tan Son Nhut Air Depot, Vietnam. The routes were selected for this comparison because they are representative of the less turbulent and more turbulent routes, respectively, included in the composite

data sample. Also, the data sample for each of these two routes included data acquired during each of the four seasons of the year. The route between Clark Air Force Base and Saigon is about three times more turbulent than that between Hickam and Clark Air Force Bases.

4.5 DATA ACCURACY

A thorough investigation of the errors in the entire instrumentation and data reduction systems was conducted. All possible sources of error were either empirically determined or liberally estimated. Then, these errors were combined by standard statistical techniques to obtain total error. The results of this investigation indicated that the total two-standard deviation error for a 2.0g full scale incremental load factor reading was 0.0924g. Comparison of the estimated full scale two-standard deviation errors incurred by the data acquisition and data reduction systems with the program's requirements is presented in Table 12. The errors in 95% of the load factor data were less than or equal to the limits defined by the two-standard deviation values.

Comparison of the Load Factor Two-Standard Deviation Errors
With the Specified Limits
(Based on Full Scale Reading of 2.0g)

TABLE 12

	Errors Incurred	Specified Limits
Instrumentation	±4.2%	±5%
Data Reduction	±0.0386g	±0.05g
Overall	±0.0924g	±0.112g

Thus, it is apparent that the accuracy of the data was well within the limits specified for this program.

SECTION V

CONCLUSIONS

The pertinent conclusions from this study are as follows:

- 1. The data presented in this report is representative of the gust, maneuver, and ground load histories experienced by the C-141A aircraft fleet during the period from September 1965 through September 1966. During this period the C-141A fleet operations were conducted under 80% restriction.
- 2. All of the objectives of this program have been fulfilled, and the total two-standard deviation error of the data is $\pm 0.09g$. Thus the error in 95% of the data, based upon a 2.0g full scale reading, is $\pm 0.09g$ or less.
- 3. Cursory comparisons of the Lead-the-Force data sample with that obtained during the Interim Flight Loads phase indicated that the Leadthe-Force aircraft load experiences are similar to those of the remainder of the fleet.
- 4. The derived vertical gust velocity data in the first data band on each side of threshold ($5 \le U_{de} \le 7.5$ fps and $-7.5 \le U_{de} \le -5$ fps) is incomplete for some data blocks because of limitations imposed in data reduction caused by the selection of the gust load factor reading threshold limits. This limitation affects U_{de} data acquired in the low airspeed and high gross weight flight conditions.
- 5. The atmospheric turbulence data was identified with atmospheric conditions by requesting the aircraft's co-pilot to monitor a manual switch. The co-pilot's primary responsibilities may not have allowed him in all cases to monitor this switch as closely as would be desired.
- 6. The Atmospheric Turbulence Study data was acquired and reduced for use in meteorological studies. Because of the storm and non-storm criteria employed for this study this data should not be employed for structural analysis calculations.

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APPENDIX A INTERIM FLIGHT LOADS DATA

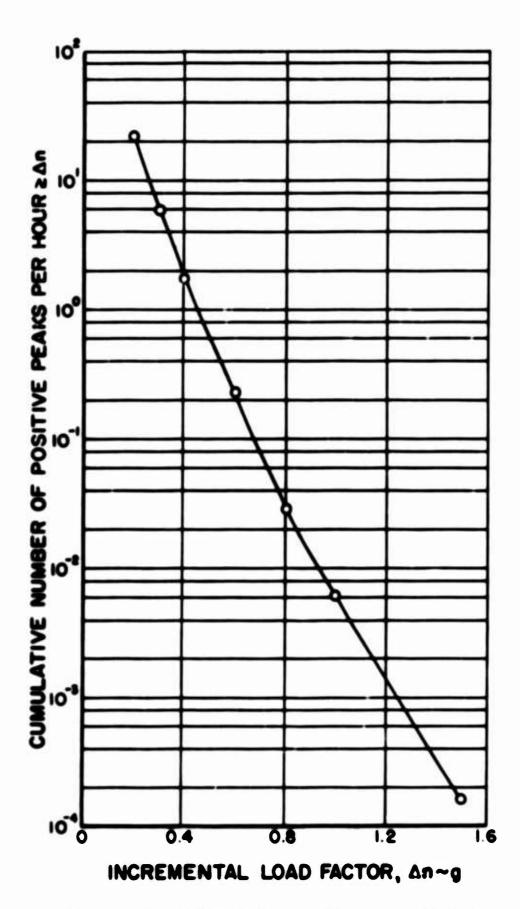


Figure A1. Positive Maneuver Spectrum Obtained from 6,354 Flight-Hours of Interim Flight Loads Data

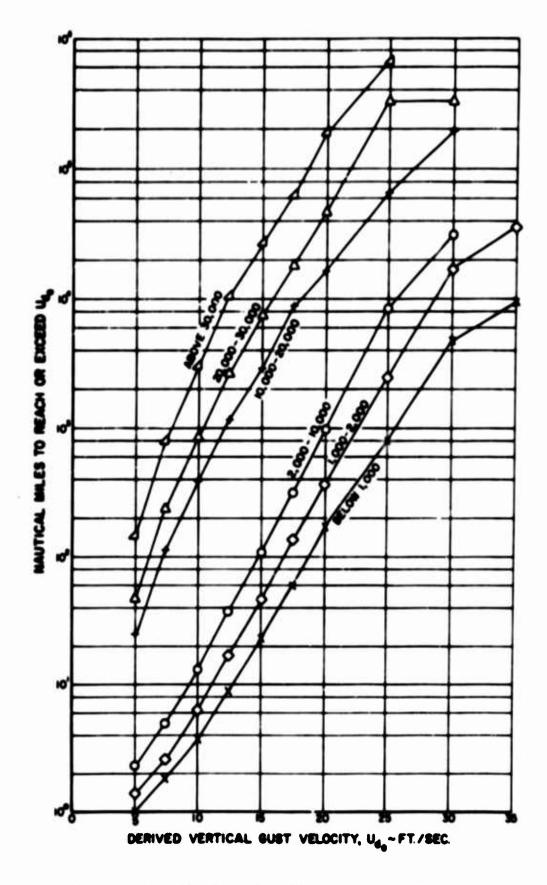


Figure A2. Positive Gust Spectrum by Altitude
Obtained from 6,354 Flight-Hours of
Interim Flight Loads Data

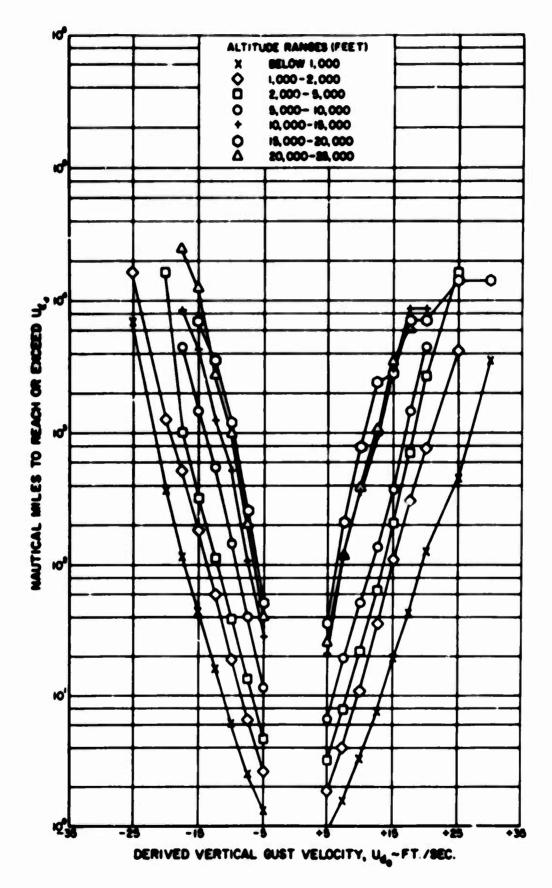


Figure A3. Gust Spectrum by Altitude Obtained from 1, 200
Flight-Hours of IFL Data Acquired at Charleston
Air Force Base (Refer to Table A1)

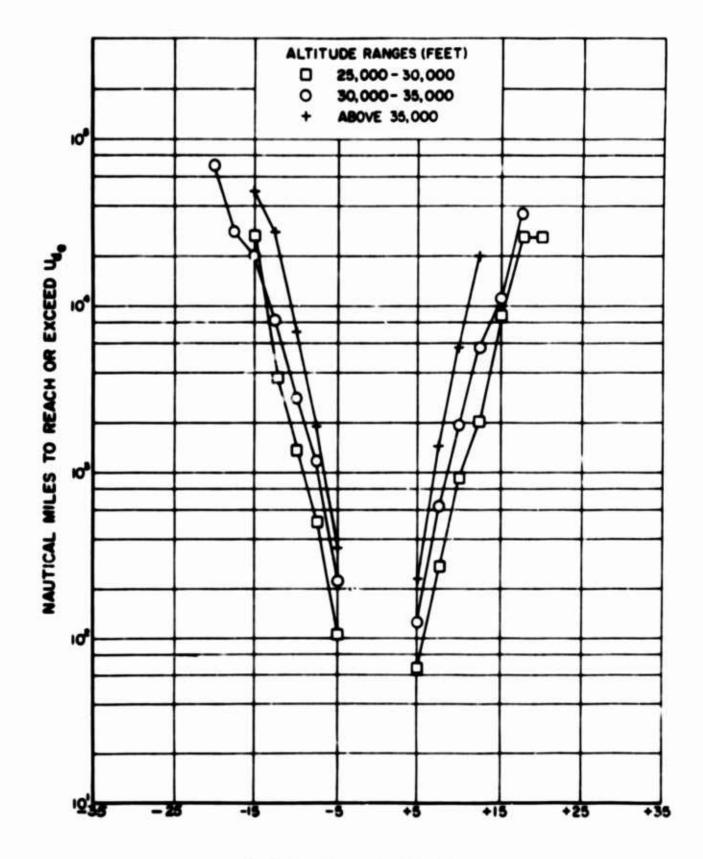


Figure A3 --- concluded

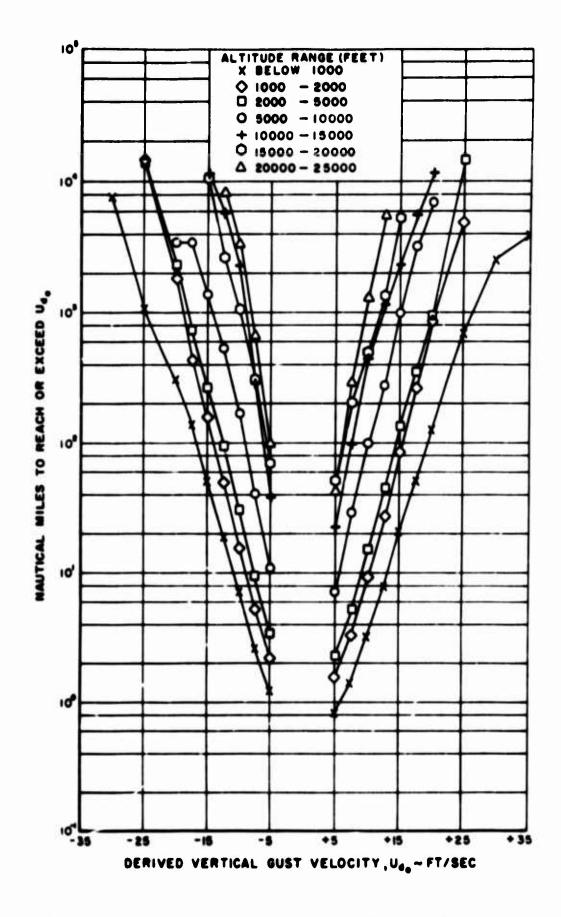


Figure A4. Gust Spectrum by Altitude Obtained from 1, 221
Flight-Hours of IFL Data Acquired at Dover Air
Force Base (Refer to Table A2)

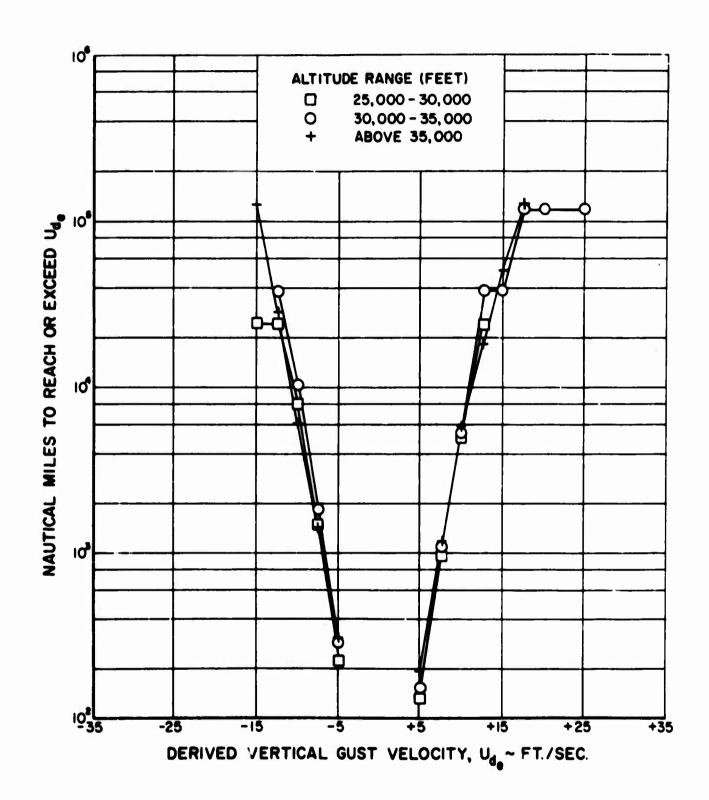


Figure A4 --- Concluded

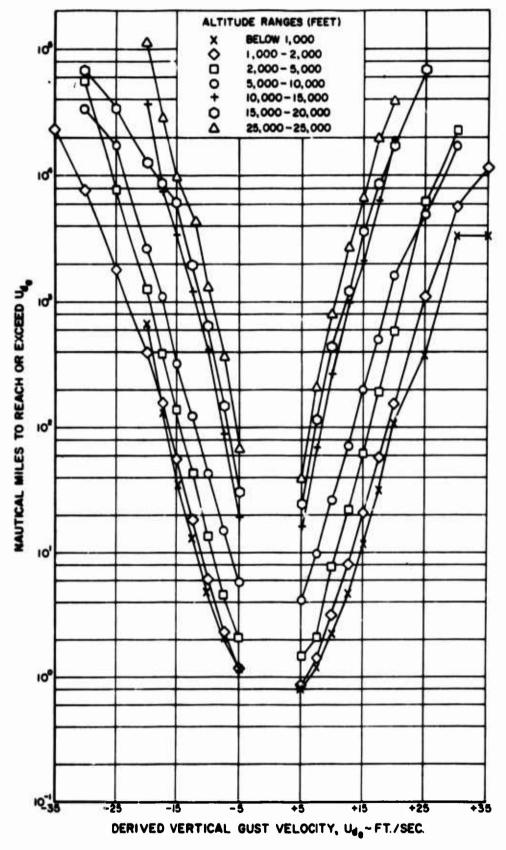


Figure A5. Gust Spectrum by Altitude Obtained from 1,792 Flight-Hours of IFL Data Acquired at Tinker Air Force Base (Refer to Table A3)

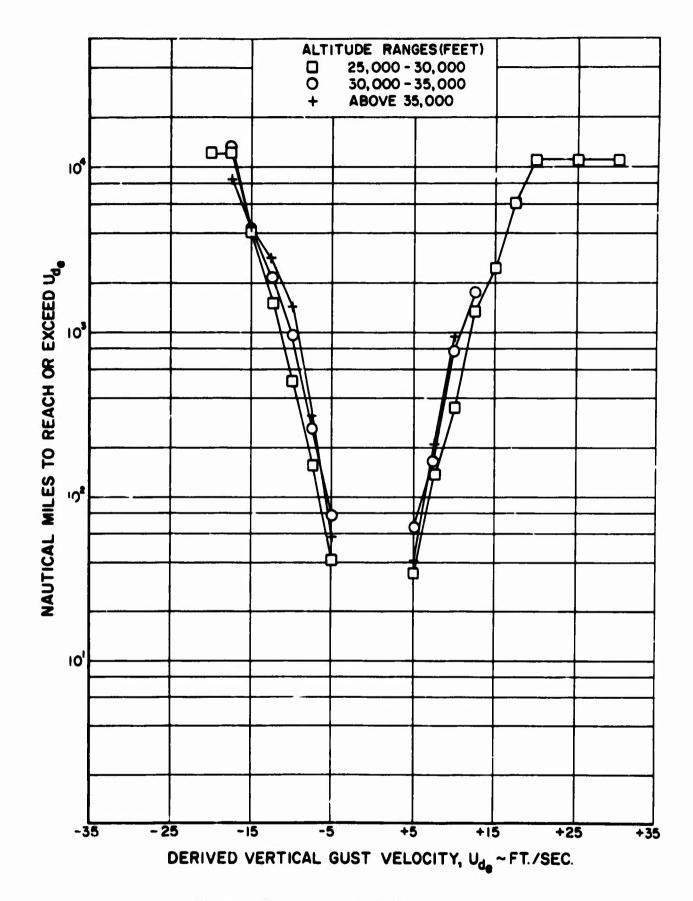


Figure A5 --- concluded

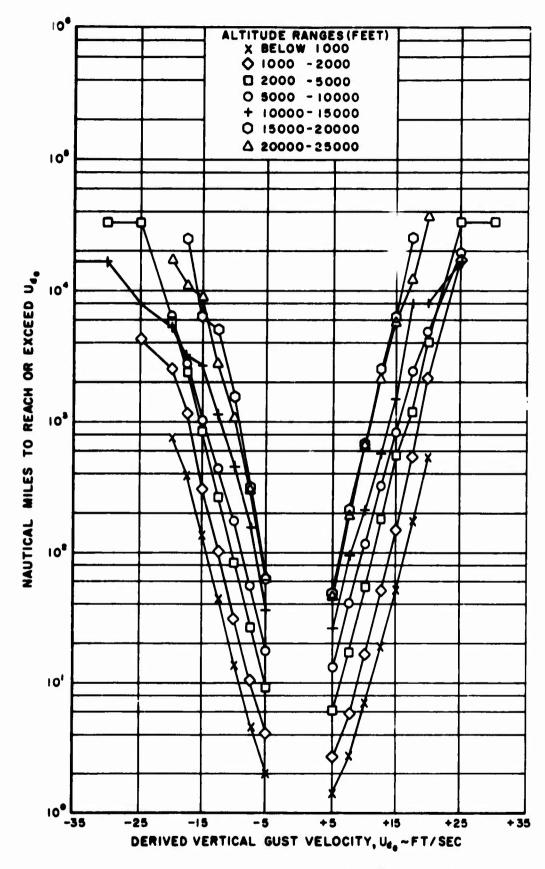


Figure A6. Gust Spectrum by Altitude Obtained from 2,141 Flight-Hours of IFL Data Acquired at Travis Air Force Base (Refer to Table A4)

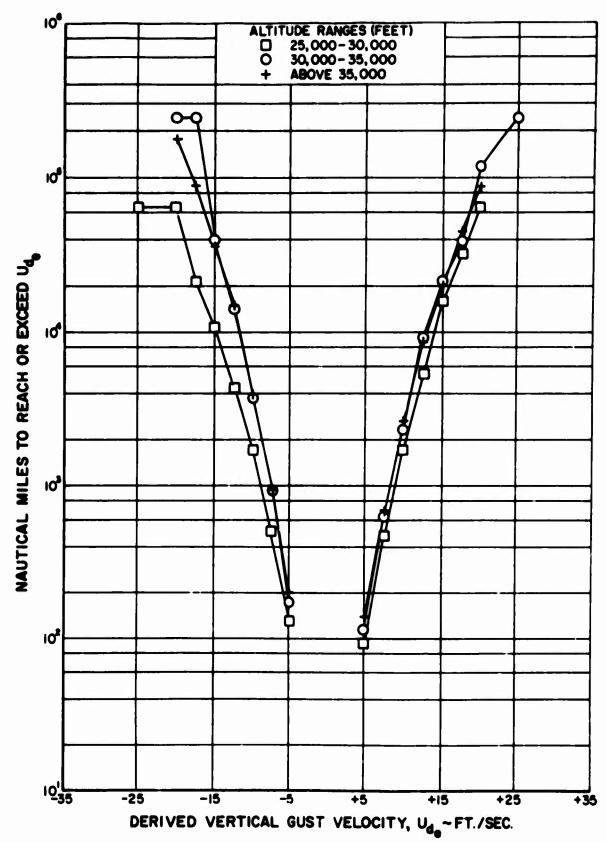


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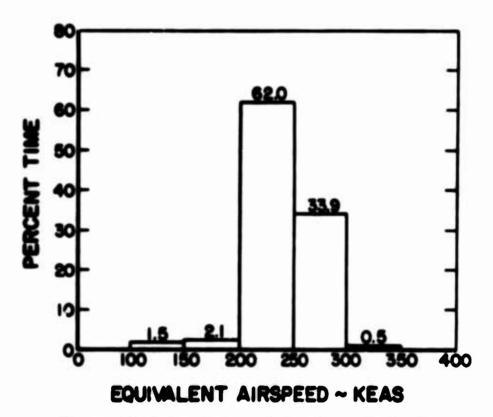


Figure A7 Percentages of the Total Flight Time
Spent in the Various Airspeed Bands for
Logistics Medium Range Missions

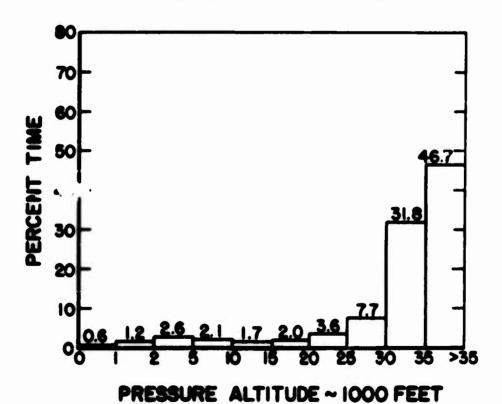


Figure A8 Percentages of the Total Flight Time
Spent in the Various Altitude Bands for
Logistics Medium Range Missions

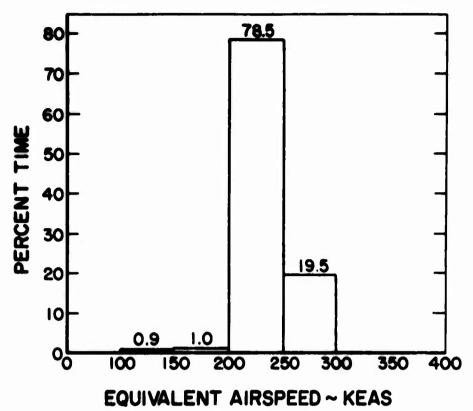


Figure A9 Percentages of the Total Flight Time Spent in the Various Airspeed Bands for

Logistics Long Range Missions

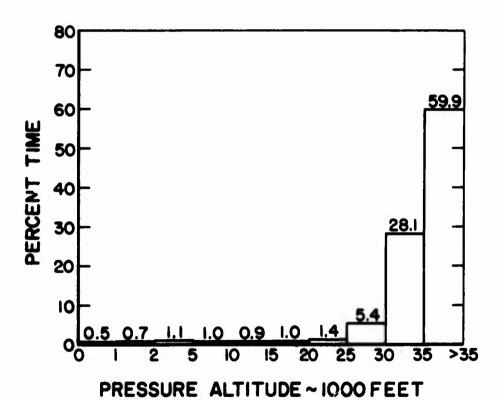


Figure Al0 Percentages of the Total Flight Time Spent in the Various Altitude Bands for Logistics Long Range Missions

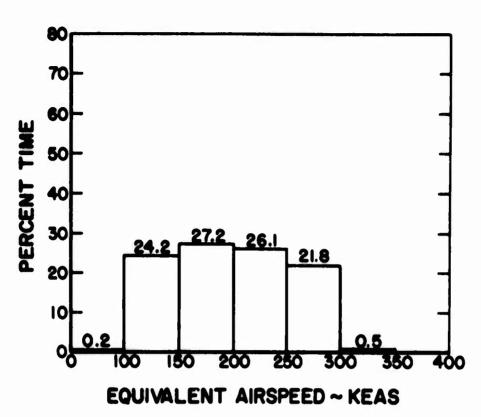


Figure All Percentages of the Total Flight Time
Spent in the Various Airspeed Bands for
Training Missions

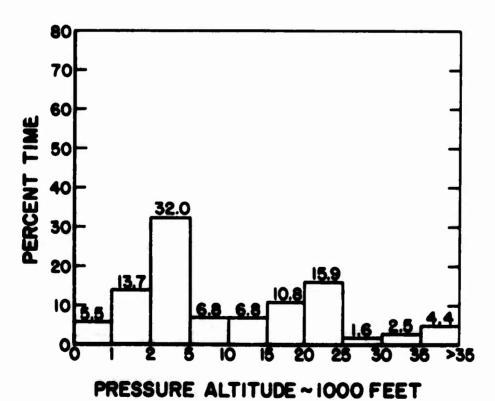


Figure A12 Percentages of the Total Flight Time
Spent in the Various Altitude Bands for
Training Missions

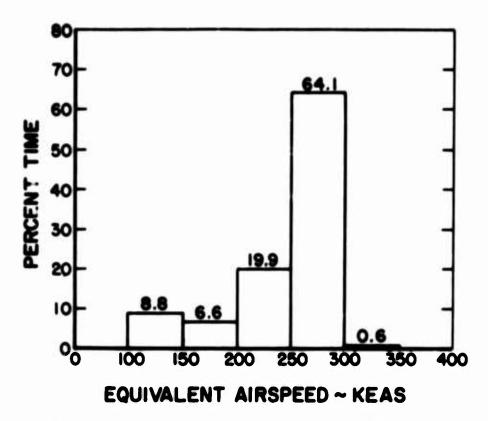


Figure A13 Percentages of the Total Flight Time
Spent in the Various Airspeed Bands for
Logistics Drop Short Range Missions

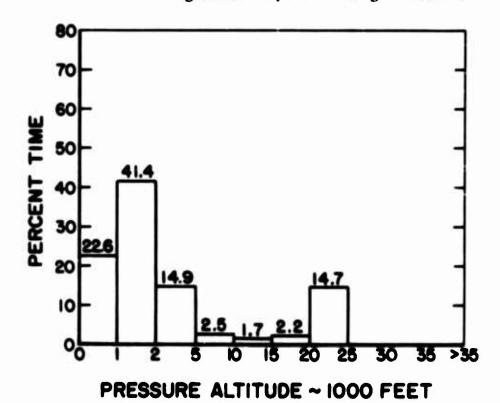


Figure A14 Percentages of the Total Flight Time
Spent in the Various Altitude Bands for
Logistics Drop Short Range Missions

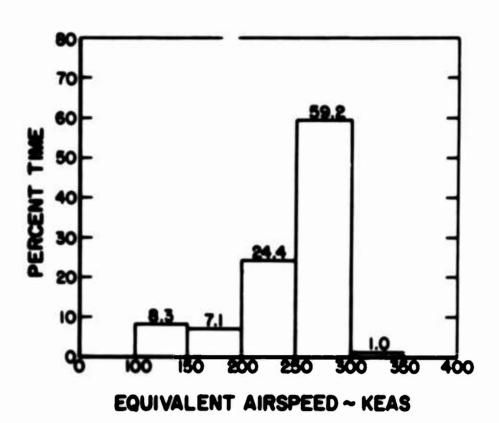


Figure A15 Percentages of the Total Flight Time
Spent in the Various Airspeed Bands for
Miscellaneous Missions

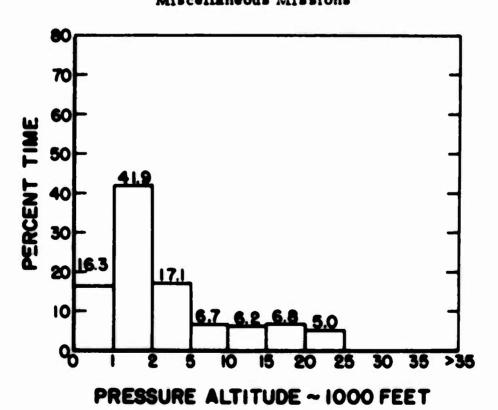


Figure Al6 Percentages of the Total Flight Time
Spent in the Various Altitude Bands for
Miscellaneous Missions

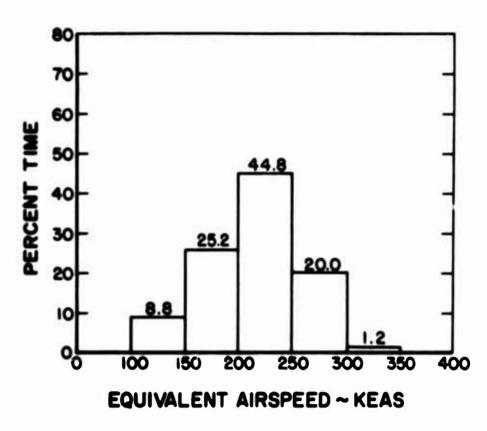


Figure A17 Percentages of the Total Flight Time
Spent in the Various Airspeed Bands for
Flight Test Missions

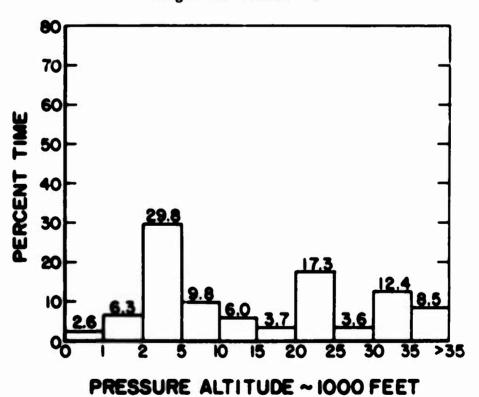


Figure A18 Percentages of the Total Flight Time
Spent in the Various Altitude Bands for
Flight Test Missions

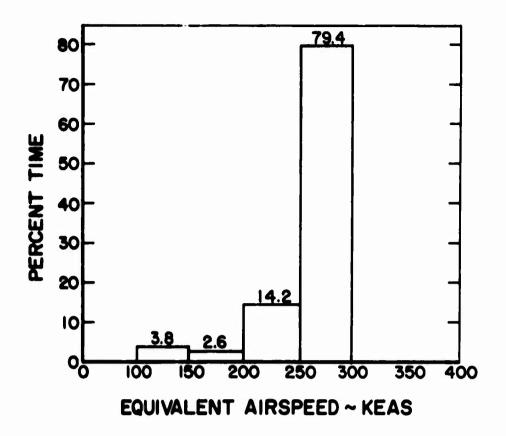


Figure Al9 Percentages of the Total Flight Time
Spent in the Various Airspeed Bands for
Airborne Training Missions

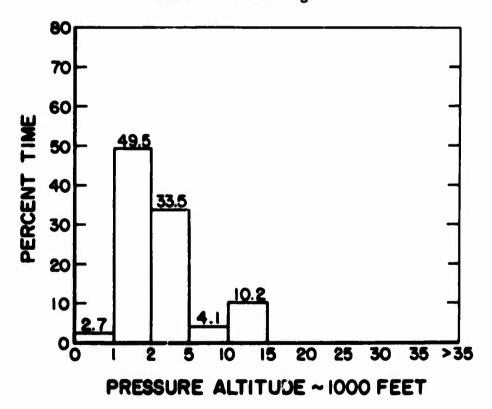


Figure A20 Percentages of the Total Flight Time
Spent in the Various Altitude Bands for
Airborne Training Missions

TABLE AS DISTRIBUTION OF TIME (MOURS) EV ALTITUDE AND ALTEROPOS INGRAMMUTS LOGISTICS, MEDIUM RAMPO MISSIGN

4189280 (#845)	NELOW 1	1 70 2	2 70 5		ALTITUDE 10 TO 15	11000 MT.1	10 25	25 10 30	30 TO 35	ABOYE 15	TOTAL	PERCENT TIME
BELOW 100	0.04	0.01	€. ,	0,	0.		9.1	0.	0.	•.	0.07	0. 33
100 TO 150	11.70	17.07	14.14	1.16	. 0.01	0.01		0.02	0.07	••	44.90	1.47
150 TO 200	4.19	13.73	29.05	7.46	1.15	0.53	9.04	0.00	4.02	0.82	64.02	2.12
200 TO 250	0.77	2.76_	17.91 _	15-04	3.43	1.24	3.73	32.34	445.03	1349.62	1094.39	42.02
250 TC 350	9.10	1.27	16.91	39.54	44.85	54.54	90.94	203.03	520.42	54.79	1034-42	33.93
300 TO 350	•.	0.04	1-25	1.29	1.45	1.19	8.76	0.23	0.02	0.	13.56	9.44
350 TO 400	0.	•	0.00		0.00			. 0.			0.01	0.00
400VE 400	0.	0.	0.		3.	. 0.					0.	0.
TOTAL	10.01	39.71	79.27	44.66	30.49	41.43	110.20	236.42	949.55	1427.24	1054.20	
PERCENT	0.42	1.17	2.00	2.12	1.66	2.02	3.41	7.74	31.74	44.73		100.00

TABLE A4 DISTRIBUTION OF TIME (MOURS) BY ALTITUDE AND AIRSPEED INCREMENTS FOR THE

ALREPED (REAS)	BELOW 1	1 70 2	2 TO 5		ALTITUDE (1	1000 PT.) 15 TO 20 2	0 70 25 2	S TO 30	30 10 35	480VE 35	TIME	PERCENT TIME
BOLON 190	0.	0	0.		. 0.		04	_ 0.	0.	٠.	••	0.
100 TG 150	1.60	1.94	0.04	0.01	0.	0.	••		0.	0.	4.01	0.04
190 10 200	0.43	1-12	1.44	0.40	0.15	• .	••		0.21	0.05	4.60	1.03
200 10 250	0.10	0.36	1.47	0.10	1.44	. Call	A.32	17.00	69.72	205.00	357.21	78.46
250 10 300		0.15	1.35	2.01	3.46	4.11	9.79	4.10	50.19	4.14	88.82	19.52
300 10 350	9.	0.	0.10	0.13	0.07	9.02	0.00		••	••	0.41	0.07
356 TE 860 .	.0.	. 0			_1			b			••	0.
400VE 400		••	•.			0 •.			0.	••	•.	0.
TOTAL	2.13	3.19	5.21	4.43	4.03	4.32	6.15	24.77	120.11	272.61	455.14	
PERSENT	0.47	2.70	1.14		0. 04	Ba95	_1,35	5.44	20.15	59.94		100.20

TABLE AT DISTRIBUTION OF TIME (MOURS) SY ALTITUDE AND AIRSPEED INCREMENTS FOR THE TRAINING BISSING

INCASE	AFLOW 1	1 10 2	2 10 5	5 10 10	ALTITUDE 16 TO 15	15 TO 20		25 TO 30	30 TO 35	400YE 35	TOTAL	PERCENT
GEFOR 100	1-64	2.23	9.99	0.91	5.06		0•	£.		••	4.43	0.16
100 TO 150	100.00	219.70	312.72	2,90	4.05		5.10_	0.	0.13	0.03	647.70	24.28
150 TC 200	32.25	130.24	304.05	30,93	33.31	44,61	70.10	2.49	10.00	4.39	793.37	27.23
200 TO 250	3.95	10.03	142.54	. 50.12	57,05	130.76	100.05	3.69	25-17	110.54	721.79	24.09
250 FC 300	5.12	9.10	44.20	78.93	87.97	135-61	176.34	34.34	33.14	6.22	602.40	21.77
300 TO 350	0.01	0.10	1.40	3.47	2.91	3-27	3.30	0.36	•.	•.	15.11	0.55
350 TC 400	2.	••	. ••	_1.01_	0.98	9,81	1.11	9.17	•	•	0.35	0.01
40646 460	0.	•.	0.	•	0. .		iii •••	. •		•	••	••
TOTAL	191.99	379.40	005.74	107.32	100.12	200.07	439.05	43.05	49.24	123.21	2766.96	
PERCENT	5.49	19-71	32.01	4,77	4,00	19.04	15.07	1.96	2.50	4.45		100.00

DISTRIBUTION OF THE REGIONS OF ALTITUDE AND AIR PERSON INCREMENTS OF THE PERSON OF THE

100461	9676A T	111.4.	2 70 5	5 TO 30	4 THUSE ME		Q 19 85 8	5 TO 30	10 39	400VE 35	TOTAL	PERCENT
-			0		b		••	. ••	••	••	•	0.
100 10 190	9-15	0.60	. ••	. ••	J	92			••	••	0.03	0.01
190 TC 200	0.11	0.40	0.03	. 0.	0.	•	••	••		••	0.42	6.62
200 10 250	0.20	0,91	J.41 _	9	0	0.01	0	_ •.	•	_ ••	1.00	19.07
290 TC 300	1.59	1.01	0.44	0.23	0.10	0.20	1.39	•.	••		4.05	64.06
300 fg 390	•.	9.02	0.00	••	•		_ 0.	•	••	0.	0.00	0.65
390 TO 400	9.	0	_0						. 0	••	••	•.
400VE 400	0.	0.		•• _		0.		••	••	••	•.	••
TOTAL	2.13	3.91	1.41	0.23	0.10	0.20	1.99	•.	••	••	9.44	
PRACERT	22.60	41.40	14.91	2,47	1.60	417	14.77	. ••		••		100.00

TABLE AS SISTRIBUTION OF THE INCARES BY ALTITUDE AND AIRSPEED INCARRES

A1897000 (REAS)	OFLOW 1	1 70 2	2.70 5		LTETUDE 10 10 15	(1000 Mr.) 19.79.30 _20	TO 25	25 TO 30	DO TO 35	ABOVE 15	TOTAL	PERCENT TIME
DELOS 100.	8.81	f		4	8.		_1.			. 0.	0.01	9.6
100 TE 190	1.06	3.73		Ø	9	Be		•.	•	••	5.04	8.25
190 10 200	0.40	1.31	9.64	•	. 0.			••		••	4.36	7.45
200 10 250	1.34	4.82	3. 17	. lell	B_7B.			•• -	0		14.91	24.48
250 10 300	7.11	10.35	4.01	2.93	3.00	3.00	2.00	••	•.	0.	30.14	59.15
300 TG 350	0.	15.0	0.13	0-13	0.10	0,07	0.01	••	••		0.44	1.05
300 TE 600					9.				Ø•.,	••	••	••
400YS 400	•.	9	•	•		. 0.	.0.			••	••	••
7074L	4, 95	29.41	10.41	4.00	3.00	4.17	3.07	•.	••	•	41.10	
PERCENT	. 14.20	. Al-91	_17.66_				_141	t , =.	0	0.		100.90

62

TABLE A10 DISTRIBUTION OF TIME (MOURS) BY ALTITUDE AND AIRSPEED INCREMENTS FOR THE FLIGHT_TEST MISSION

AIRSPEOD (REAS)	BELOW 1	1 70 2	2 10 5	5 TO 10 1		1000 FT.1"	• TO 25	25 10 30	30 TO 35	480VE 35	TOTAL TIME	PERCENT
00LOH 199	•.		- O.	0	.!: .		0	0.	•.		•	••
100 TO 190	0.12	0.14	0.25	0.	. 0.	91	••	0.	•	••	0.53	8.80
190 TC 200	0.02	0.15	0.40	0.25	0.10	0	0.00	•.	0.00	9.14	1.51	29.17
200 TC 250	0.01	0.05	0.45	0.09	0.13	0.10	_ 0.74	0.12	0.45	0.35	2.69	44.84
250 TC 300	•.	0.01	0.20	0.21	0.10	0.12	0.21	0.10	0.22	0.02	1.20	19.98
300 Td 350	0.	0.	0.01	0.03	9.03	••			•.	•.	0.07	1.22
350 TO 400		0	_ 0.	. 0			 .	. ••	0.	•.	•.	••
400YE 400	9.	•.	0.	••	0.	••			0.	0.	••	0.
TOTAL	0.15	0.30	1.79	0.59	0.34	9.22	L-04	0.21	0.75	0.51	4.01	
PERCENT	2.50	4,33	29.86	9,77	5.97	3.69	17.29	3.56	12.43	0.52		100.00

TABLE ALL DISTRIBUTION OF TIME (MOURS) BY ALTITUDE AND AIRSPEE (NCREMENTS FOR THE ALRAGAME TRAINEME. RESSLOM

ALRSPEED (KBAS)	SELON 1	1 TO 2	2 TO 5	5 TO 10 A	10 TO 15	11000 PT.1 15 TO 20, 2	TO 25	25 TO 30 30	0 TO 35	400VE 35	TOTAL	PERCENT
	0.		4						••	. ••	•.	••
100 TC 150	0.03	0.02	0.	•.	. 9.	• .	•.	0.	•.	0.	0.05	3.75
150 TC 200	9.00	0.03	101			••	ı.	0.	0.	0.	0.04	2.62
204 70 290	0.00	0.07	0.11.	- 0.	. 0.	. 94		•	0.	•.	0.21	14.22
250 10 300	J.	0.57	0.30	0.06	0.19	•.	0.	0.	•.	••	1.16	79.41
306 10 353	0.	••	0.	••	0.	0		0.	0.	••	•.	0.
356 TO 400	0.	••	0.	0	_ 0.	- 14	. 0.	0.	••	•	••	
ABOVE 400	2.	•.	••	••	0.	0.	0.	0.		0.	••	•.
TOTAL	0.04	0.72	0.49	0.04	0.15	•.		0.	0.	0.	1.46	
PERCENT	2.73	49.49		440	19.24	. 0	_0.	. 0.	0.	••		100.00

63

CONTROL AND AMERICA COMO PACTORS FOR THE CONTROL OF A COMO PACTORS CONTROL AND AMERICA DAMA CONT

STOCK	PLOCK	TOTAL PEAKS	-0.5 9.0	0.5	0.4	0.7	1000	PACTOR L.2			100 16 1.4	2.0	2.9	3.0
: ::	1.0	:												
	1.0	•						1						
	1.0	į						1						
	2.4 2.2 9.0	į					i	2						
1 11	4.7 4.0 4.5													
2 0 3	1.0 2.0 10.5													
2 10 9	20.5 95.3 19.7	23					1	20	1					
1 1 1	3.3 213.6 124.2	30				2	:	25 24	3					
	20.0	14		•				14	j 2					
1 11	245.9 144.1 64.5	107 95 31			1	i	21	76 97 19	14	1 2				
1 11	7.3 14.2 31.6	14						11	i	ı				
	87.5 103.6 3.7	47 00				i	12	26 51 1	17	1				
	2.5 34.3 205.5	12		-	•	2	3	7 23	1 7	1				
	3.5 25.1 254.7	3		1		2	11	3	•		1			
1 7 1	4.1 2.0 20.4	41		·	٠	1		ं <u>इ</u>	,	,	•			
3 11	425.1	124		1	4	1	30	. j	1	•				
	349.4	40			ı	ı	ě	25	1	3	1			
3 * 3	051.0 1220.4	49		1		1	10	20	2	3				
3 10 3 3 10 4	3310.4	36				1	12	20	3					
	37.0 2.1	24				. 1.	. 1	21 16 2	2					
	0.1 86.6 133.4	13 51				ż	21	11 20	2 7	1				
	19.1	21				i	7	16	•	2				
* ; ;	43.6 226.1 140.5	79		ı		ļ	1	63	10	, s				
	73.8 5.2 3.0	137			2	•	10	•	1	12				
	101.3	157			1	;	1	90 79	i 7 22 7	2 7	ı			
* * * * * * * * * * * * * * * * * * *	0.5	12					10	1	1					
	9.1	1				1		10						
	14.3	13				. 3	•		;					
	394.7 23.0	37			2	5	10	20	3					
	28.6 1347.6	23				1	10	1 4 17 70	\$ 7	•				
4 3 6 6 2 3 6 6 6 2 3 6 6 6 5 6 6 7 2 6 6 8 6 7 7 6 6 8 6 6 8 7 7 6 7 6 7 6 7	2039.5 4647.2	27 91 60				1	10	17 70 44	7	2 2				
	7.5 1040.2 275.0	124			1	•	25	75 1 10 10	13	•				
	5.2 3.8 41.9 161.3 297.4 11.2 9.5 31.2 254.6 13.1 307.1 13.1 307.1 13.1 307.1 20.5 504.7 23.0 40.0 20.5 504.7 23.0 40.0 20.5 504.7 23.0 40.0 20.5 504.7 23.0 40.0 20.5 504.7 23.0 40.0 20.5 504.7 23.0 40.0 20.5 504.7 23.0 40.0 20.5 504.7 20.0 2	14 72 1.77 10 0 12 31 32 20 19 0 13 37 0 9 20 10 10 10 10 10 10 10 10 10 10 10 10 10					•		1					
	1.1 33.7 7.0	10				i	•	3						
2 5 3	1.0	5												

TABLE All smobbles elitationism of managers cano factors _____ for the constation and rock asse _____ Locitricis, about name mission arts asset

9-101-A	SLOCK TIME (MIM)	PEARS	-0.5 0.6	0,5	0.0	0.1	0.0	PACTOR 1.2	01970	1.4	m (6)	2.0	2.5	3.0
1 1 1	31.3 36.6 57.7	**				2	:	10 15 24))	1				
	122.7	34 17		٠		i ·	1	1 10 10	11	l.	•			F4.
	2.5 142.0 7.6 1.5					4 00 ***	•	;	1	-				
	191.3 3.5 1.0 297.4	•					i	•	1					
	1.0 10.0 954.5 4470.9	17					,	1	2	i.				
	2927.3 7031.9 497.0 13.1	100		1	3	1	1	**	7	;				
	40.0 3.0 0.2 2.0	25					٠	iģ.	i					
	21.6 11.9 9.2	10		-			7	12	7					
	17.1 32.0 74.6 3.9	17				3	1	14	*	ı				
	3.0 0.2 133.3	1 0				1	•	1 22 3	1					
	0.9 2.0 194.7	1				• •	•	iz	•					
	104.9	10					1 2	7						
	17.0 476.2 904.1 1105.7	21 11 7				1	7	11-	1					
6 10 5 TOTAL 5	399.3 15.0 12969.0	3000			16	91	542	1995	1 202	84			•	•

65 -

01.0CE 0-101-V	OLOCA TIME (MIN)	TOTAL PEMS	-0.5	•••	0.5	0.4	0.7	LDM 0.0		m		L.4			1.0	2.5	3.0			
	2.2 2.0 4.2 3.9	•						ł		1										
	4.9 4.9 4.5 5.0																			
	4.5 4.0 3.0 1.3	-	-	•	-						-	••		-10					e 10-1	
10 1	371.9 3.0 427.0 41.0 203.0					-		į		1				•						-
10 1 10 1 1 1 2 2 1 2 2 3	900.2 0.0 0.5 1.0 2.0							2					-			0		••		1 -
	0.2 1.2 1.9 2.7 7.0								1	,										
	0.3 0.2 1.0 2.0				~			1						•		-		-	•	•••
	1.0 12.0 15.0 20.0				-							•••	ë		•					
TOTAL	74.0 26.0 1042.1	1	•	•			•	•				•		•	•	- 0	•			

TABLE A14
DISTREBUTION OF PANEUVER LOAD FACTORS
POR THE
CMARLESTON AIR PONCE BASE
TRAINING MISSION
BATA SAMPLE

	12						MIN	~66						
OFOCK A-MI-Y	DLOCK TIME (MIM)	PEAKS	-0.5 0.0	0.5	•.•	0.7	O. S	PACTOR 1.2	1.3	1.4	1.6 1.8	2.0	2.5	3.0
2 1 1 2 1 2 2 1 3 2 1 4 2 1 9 2 2 1	12.2 424.5 50.5 1.3 1.0	427 121 3			1	11	79 29 2	268 60	22 1	7				
2 2 2 3 2 2 4 4 5 2 2 4 6	431.3 350.3 63.4 4.9 1.5	301 540 105 5			1	17	43 45 1	197 324 30 4	35 103 30	1 16 16 1				
2 3 2 2 3 3 2 2 3 3 4 2 3 3 4 2 3 4 4	254.9 218.0 53.2 21.6	81 146 60 35			3	2 2	20 13 10	57 89 30 16 2	12 19 14 3	1				
	12.3 26.3 0.6	17 24 2			1	3	3	10	5	2				
2 5 4 2 5 5 2 6 6 2 6 6	7.4 20.4 8.6 19.2 0.2	21 19 11 11			i	2 2	•	3	2 2	1	1			
2 7 3 2 7 4 2 7 9 2 0 3 2 0 9 2 0 9	17.0 75.9 95.0 9.7 13.3	115 115 51				1 4 3	30 12	48 26	22	11				
2 10 1	0.5 17.5 19.0	5					2	2						
	8.3 869.4 297.2 17.1 98.7	768 418 29 29			1	12 13 1	113	305 200 3	117 76 11	20 10 6	2			
3 2 3	14.4 046.7 1297.6 160.2 166.8	326 1211 177 100			1 2	4 24 10 5	76 210 37 24	221 807 78 52	22 152 35 21 1	17 14 4	1 2 1			
3 3 1 3 3 2 3 3 3 3 3 3 4 3 3 3 4	3.7 306.3 936.0 324.4 214.5	79 561 436 279		i	;	11 12 11	17 104 44 31	93 353 246 157	7 81 104 56	10 23 19	3			
3 3 4 3 4 2 3 4 3 3 4 4 3 4 5 3 4 6 3 5 2	10.5 53.8 91.0 100.7 7.1 2.0	102 102 212			2	15	20	15 44 93 2	3 15 37 2	2 6 17	ı			
3 5 4 3 5 4 3 5 6 3 6 7	7.2 04.0 194.1 2.9 51.9	122 135 10 22				;	36 33 33	2 44 57 2 15	23 33 1	16	3 2	1		
3 6 4 3 6 5 3 6 6 3 7 3 3 7 4 3 7 5	331.6 363.3 3.4 207.1 636.5 525.3	416 400 13 155 761 400		i	2 3	20 21 3 1 17 12	42 56 1 20 67	220 195 2 109 467 212	79 74 3 18 151	21 90 3 4 56 42	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
3 7 6 3 8 3 3 8 4 3 8 5	26.2 47.0	30 56 47		1	2	2		467 212 1 16 34 21	13	,				
3 9 4 5	1.0 32.5 239.3	•		•	•	ī	14 2 3	27	13	1	2			
3	397.2 34.5	11 59 2 16 2				1	;	•	3	l				
	41.7	102				-1	10	**	•	1				
4 1 4 4 1 5 4 2 2 4 2 3 4 2 5 4 3 2 4 3 3 4 3 5 6 3 6	71.5 96.3 39.0 29.1	11 94 99 25 11			1	ì	32 6 5	91 35 35 2	1 11 15 10 3 2	2				
4 3 2 4 3 3 4 3 4 4 3 5 4 3 6 4 3 6	536.5 525.3 11.9 267.0 203.6 1.0 32.5 239.3 0.8 347.2 34.5 41.9 2.0 0.8 71.5 90.3 39.0 29.1 21.1 41.5 90.6 91.0	11 94 59 25 11 29 54 159				:	15	91 35 2 29 24 104 133	31 20 1	12	2			
	13.0 129.1 4.4 2.0	110 110 13				1	1 5 20 1	63	16	•	1			
	22.6 137.6	29 111			ì	2	24	14 63	10	16	1			

TABLE A14 concluded elsynthem of Pantoven Load Factors for the consistent aid Fonce pass transing mission Data Sample

BLOCK 1	NOCK TOTAL TERE PEAK (REN)		0.5 0.	6 6.7	0.0	PACTOR		1.4			2.0	2.5	1.0
	3.5 27.5 157.6 21 125.9 20 1.7 3.0 160.4 182.6 20	, ,		: :	1	100 100 130 130	***	14 14 12 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14	:	2 2			
• 7 • • • • • • • • • • • • • • • • • •	M6.7 20 6.5 10.0 15.0 110.1 0.5 20.3 05.7 30.0 1 1.0 120.0	5 5 7 6		1	1 3 7	163	2 1	*	•				

TABLE A1S DISTRIBUTION OF PANEUVER LOAD FACTORS FOR THE CHARLESTON AIR FORCE BASE RISCELLAMOUS RISSION BATA SAMPLE

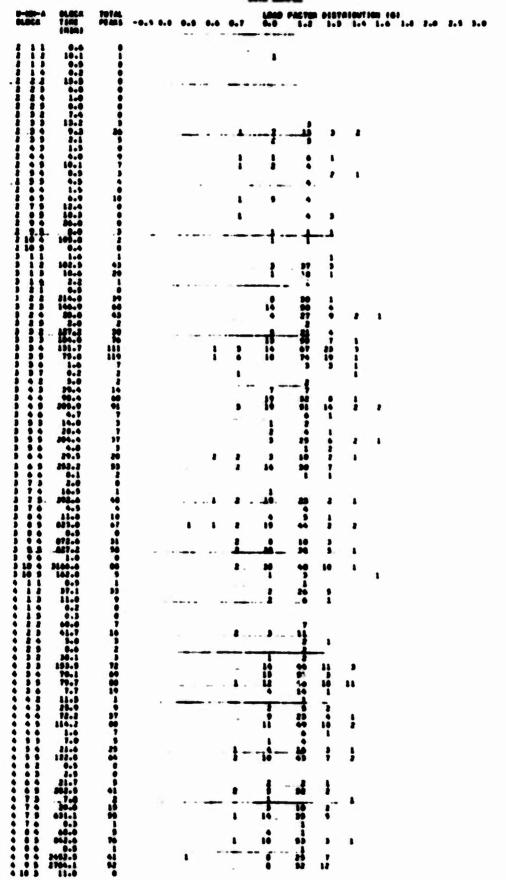
							ATA SAI	PLE							
OFOCK A-MI-Y	(MIN) TIME OLOCK	TOTAL PEAKS	-0.5 0.6	0.5	0.6	0.7	1.048 0.6	PAC TOR	1.3	1.4	100 (I	1.0	1.0	2.5	3.0
2 1 2 1 2 1 2 1 2 1 2 1 3 1	9.7 20.1 5.0 2.5	18					1	12	•						
	0.5 12.7 21.6 151.1))) (4				,	1 3	19	23	;	i				
1 11	22.0 5.7 5.3 20.3	33 15 2 20				2	;	25	;	1					
2 34 2 39 2 30 3 12 3 13 14 3 15	2.7 10.8 9.6 35.8 256.4	2					1 10	17	10	٠					
3 14 3 15 3 23 3 24 3 25	115.0 123.0 194.4 339.0	23			1	:	19	11 20 24	15	;					
; ;;	2.9 10.7 20.1 01.4	1 9 2 36						1 20	1						
	100.0 2.5 50.3 93.1 1.0	61 1 9					10	31 1 6 13		2					
	24.6 76.0 1.1 13.0	26 64 1			1	•	į	18 34 1	15 1	3					
3 4 4	116.3 2.0 11.0 75.5	4			1	1	23	25	١	2					
	9.5 5.3 5.3 9.1 41.3	10					2	1	:	1					
	4.2 4.0 14.7	**				t	,	1	,	•					
	2.5 96.0 79.1 1.3	18 16				i	į	14	ļ	ı					
	11.0 94.8 6.0 17.5	7 8 2 10					1	1	;	;					
	4.7 6.9 60.4 1.9	10				1	1	1	í	i	•				
TOTAL	2005.7	***			3	32	-	344	140	43		•			

TROLE AID BLATALOUTION OF MANDAVIN LOND FACTORS FOR THE CHARLESTON AID PORCE SAGE FLIGHT TOOT RESSION

erecu e-ter-v	OLOCA TIME (MIM)	POTAL	-4,1	•••	0,5	•.•	0.7	0.0	PACTON 1.2	1.3	l.4	7.1	1.0	2.0	2.9	1.0
	1.0							1	1 2 3	1						
	3.0 2.0 0.31 0.7 0.7	1		•			•••	-	18	*						
	0.7 0.3 0.0	1		-			t	. !	i				•			
	14.0 8.0 9.0	1						į			ŀ					
	1.3				•			2	•			ı				
	1.2 0.2 0.3 2.7 74.0	102				-	i	,7	.:	:	•					

PISTRIBUTION OF PARTIES ATT PER THE PARTIES AND PARTIES AND PARTIES AND ADDRESS AND ADDRES

OLOCE TO	10744 100 PEAS 1101	-0.1 0.0 0.1 0.0	0.7 0.0 PACTOR	01.5 1.0 1.0 1.0	2.0 2.5 3.0 .
1 2 4	1.0 0 2.0 0 5.0 7 9.0 0 7.7 0 7.7 7		·	1 2 1	
	1.0 4 9.0 1 0.4 1 0.3 0 0.7 0 0.9 0 5.5 0 7.0 0		· · · · · · · · · · · · · · · · · · ·		• • •



restatics, assum trees elected colored to the total color to the total colored total c

Note of	01.0CA 1100 10101	Mile	-0.1 0			•••	0.1	125	PACTOR 1.7	0101	l. i	7.5		2.0	1.1	3,0
: #: :	10700.3	230					•	94	139	20	1					
	11.1	10				1	1		17	ì						
1 11	12.0	•							2					٠		
	44.5 2.6	17					•		10	ï	•					
	,,,,				•			18	10							
	10.0	117					:		1	1	į					
1::	3.0	:														
	***	1					i	';	**	•	ı					
	147.1	:							•							
:::	1.5															
	101.4	ï					1	•	1	•	,					
1 11	774.1 113.3	10							10	•	1					
	733.3	10					-	17	10							
	1000.0	**					i	11	**	•	1					
	9196.7 773.9 13.6	11						20	91	1	•					
	50.5	1						1	*							
	1.5							•	ļ							
	10.0	*							1	i						
	190.0	37							14	,;						
	74.0 9.3	13							•		•					
: ::	100.0 6.2 1.0	17				1		1	**	•						
: ::	300.0	**						•	11	1						
	3.0	11						1	•		1					
	1.6	*						•	•							
	101.7 147.3 435.5	10							10							
10 1	79.0	25						•	10	;						
1014	12000.0	1476	•	•	*	•	70	677	2211	100	77	•	•	•	•	• :

HISTORION TO PARTIE LAND FACTOR

						"	MATA SAR	W							
01.00a	Ting Ting	POMS	-0.1 0.0	0.1	6.6	0.7	5.00	PACTON 1.8	0157	1.4	1.6	1.0	2.0	2.5	3.0
	176.1 176.1	100			1	:	21 16	194 92 1	10	į					
	201 .9 197 .9 80 .2				•	1	14	196 118 99	17 29 15	;	1				
	0.5 60.7 61.7 60.5 17.4	100		ı	1	1	10		25 27	1					
	11.5	1						1							
	14.3 26.0 19.1	1				1	ij	i	1	•					
	4.0 1.0 1.3 4.0							1							
1 10 1	4.0 7.9 0.3 1991.0	1700			,	24	171	1301	201	1					
1 13	30.3 30.3	1002			•	20	176	30	140	1					
	1290.4 1414.3 140.4	1913		1	1	**	135 294 44	1274 1274 244	262 202 10	32.00	1				
	343.3 1313.4 432.4 117.9	300 1914 1914 202 25		i	1	**	34 212 100 31	141 1072 444 131	***	**	•	1			
	3.4 3.6 30.7	į			ļ		12	16 5	1	:					
	174.0	140			•	12	,	127	**		1				
	117.9 101.9 1.9	100				10		203	**	1	;	1			
	100.3	310			ı Į	ıi	30	175 143 7 21	63 63 7 7	35 47 3	;	1			
	103.9	191			1	;	34	97	;;		•	1			
; ;;	136.1 69.0 286.7 12.2	55 25 34 4				i	10	14	i	i	1				
1 10 1	91.0 9.4 91.0	100				•	!:	147	1	1					
	12.2	121			1	:		10	1						
	3.1 14.0 140.0	12 171 27				1 2	1 22			,;					
	7.0	207 22		1		LT	## ***	102 136 14	255.	11					
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13.2 134.2 134.3 0.0 91.0 1.9 12.2 14.0 14.0 14.0 14.0 14.0 17.0 21.1 100.1 100.2 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0	182 917 827 82 27 105 10 100 100 20 20 20 20 20 20 20 20 20 20 20 20 2		1		•	10	11	20 - 7 11 10	11					
	1.7 20.7 100.3	301 30 90			,	14	;	***	3	11	1	ì			
	0.0 0.0 10.7	, ;			ı	ì	10	**	2						
	11.0	**				1	:	94 91 11 14	•	1					

TABLE A19 concluded DISTRIBUTION OF MANAGEMENT LOAD FACTORS FOR THE DOVER AIR PORCE BASE TRAINING RISSION DATA SAMPLE

m-HII-A	PLUCK	TOTAL						LOAD	FACTOR	0131	TUBLE	TUN E	;)			
HLIICK	TIME (MIM)	PEARS	-0.5	0.0	0.5	0.4	9.7	0.8	1.2		1.4			2.0	2.5	3.0
4 10 4	1275.4	52						10	36	3	1					
4 10 5	21.0	0							_							
3 1 4	5.0	3							3							
5 1 4	7.2	7						1								
5 2 3	6.2	7						•	2							
3 2 4	1.6	•							5	1 2						
5 . 1	1.2							2	3	2	1					
5 5 5	1./	3					1	ı	1							
> 34	5.6	10						ı	•	1 2						
5 3 5	20.0	29					3	7	17	2						
5 3 6	1.5	3						1	1		ı					
3 4 5	36.3	25					2		15							
5 4 4	2.5	4							3	1						
5 5 5	11.0	1							1							
5 5 6	C. 8	C												٠.,		
5 6 5	40.3	12						3		-1				٠,		
5 7 5	50.7	0												*		
5 8 4	1.0	C														
5 6 5	64.2	7					1	2	3	1						
3 . 4	127.0					1	i	3	3 8 20							
5 9 5	143.4	22					1	6		5	1					
5 10 4	932.9	27					ì	4	20	5	1					
3 Lu 5	246.4	7					_		5	2	=					
4 1 4	0.5	ò								-						
	6.4	0														
0 / 3	C.6	ò														
6 3 3	0.2	ō														
A 4 4	6.0	ŏ														
6 3 5	0.6	ā														
4 1 4	1.0	ō														
TUTAL	10025.4	15301	0	C	11	49	155	2140	4665	2 151	460	46	-6	0	0	n

TABLE A20 DISTRIBUTION OF MANEUVER LUAD FACTORS FOR THE DOVER AIR FORCE SASE LOGISTICS DROP, SMORT RANGE MISSION DATA SAMPLE

M-HH-V	BLUCK	TOTAL						LOAD	FACTOR	DIST	ITUBIL	ON 6	6)			
HLOCK	TIME (MIN)	PE AKS	-0.5	3.9	0.5	0.6	0.7	0.8	1.2					2.0	2.5	3. 7
3 1 2	d.4							2	3		ı					
5 L 5	9.0	5							4	- 1						
1 1 4	10.0	•					ı	ı	l							
1 1 5	45.1	10					ı	4	7	3	1					
5 11	40.8	2						1	1							
3 / 1	27.C	4							3	1						
1 2 4	54.4	1 1							12	2						
3 2 3	107.6	7				1		1	5							
3 2 6	2.0	ı							1							
1 3 3	2.6	e														
3 3 4	34.2	18						t	16	1						
3 3 5	24.3	13						1	•	1	-1					
3 1 6	1.7	0														
4 4 5	1.5	0														
3 5 5	1.5	0														
3 6 5	1.5	1						1								
1 7 5	9.0	Ž					1	_	1							
6 1 2	3.7	Ĭ					-		1							
4 1 1	1.5	•						1	i	ı						
	1.2	1						i	-	-						
4 1 5	0.4	,						-	2							
4 2 5	1.9	,							i	1						
4 1 4	2.0	i							•	-						
4 3 5	17.3	17						ı	14	1						
4 3 0	1.3	e					-	_	-	-						
4 4 5	12.5	3						1	2							
4 2 3	8.0	í						•	ī							
4 4 4	0.5	0							•							
4 65	10.3									1						
4 75	74.7							ĭ	2	-						
TUTAL	566.7	เห	C	Ģ	0	1	4	10	91	14	3	0	•)	0	n

TABLE AZI BISTRIBUTION OF MANBUVER LOAD FACTORS FOR THE OUVER AIR FORCE BASE HISCELLANGOUS HISSIEM DATA SAMPLE

STOCK R-IM-T	OLOCK TIME (MIN)	PEARS	-0.5	0.0	0.5	0.6	0.7	LUAD 0.8	FACTOR 1.2	1.3		1.6	1.0	2.0	2.5	3.0
2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.5 0.6 0.3	10					ı	7	2							
2 2 4 5 2 4 5 2 5 5 5 5 5 5 5 5 5 5 5 5	4.0 6.4 2.5 3.2	26 16 21						9	14 17	•	3 2					
	17.9 6.5 17.9 6.1	70 0 3					1	13	41	11	3	1				
3 1 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	32.6 120.3 09.0 45.6 112.2	29 69 20 38			1	3	1 2	18 2 11 24	12 41 15 27	10	10					
3 2 3	212.9 1.0 4.4 15.4	123			•	•	10	1 5	3	iř	•					
	31.2 43.6 0.3 4.2	32 42 5				2	3	10 2 2	5 50 50	1	1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.6 17.5 0.8 1.4	12					1	į	2 2 2	2						
• ! !	1.2 0.4 0.3 C.2	0						2								
	0.7 9.0 12.5 33.4 1.0	14 1 63					1	16	1 1 26 1	2 10	2	t				
	18.6 1.0 11.0 31.1	3						3 1 2	2 2							
TOTAL	960.3	771	0	0	ı	3	31	171	433	95	33	2	0	0	0	0

TABLE A22 DISTRIBUTION OF NAMEUVER LIND FACTORS FOR THE DOVER AIR FORCE BASE FLIGHT TEST RISSION DATA SAMPLE

8F0CK 8-101-7	BLOCK TIME (MIM)	PEALS	-0.5 0	. 0	0.5	0.4	0.7	L040	FACTOR	1.3	1.4	ON (G	1.0	2.0	2.5	3.0
3 1 2 3 3 3 3 3	2.6 2.5	2						2								
	4.1 6.5 0.6	3						1	2	1	1					
	2.1 3.0	į							;	į						
	12.0	31				1	ı		10	7	•					
	0.5 0.3 C.2 0.3	2						2								
	1.2	1						•	į	1						
TOTAL	30.4		•	C	•	1	1	•	37	19		0	0		0	

DISTRIBUTION DE PACTORI FOR THE TIMES AIR POSCE DADE TRANSCES DESCRIPTION

								MAYA BA								
91.0	ex ex	TIME (MIM)	PEARS	-0.1 0.0	0.5	0.0	0.7	0.0	PACTO				1.0	1.0	2.5	3.0
1		14.8 207.3 24.7	200 35		•	1	•	91	294	90	i					
****		71.3 2836.7 391.0 19.4	1006 720 67		1	2	**	192	1297 430 35	230 00 19	10 10 9	1				
	3 l 3 2 3 3 3 4 3 6	19.0 6473.0 3920.0 1123.4 164.3	4121 4107 2003 975		•	10 20 23	96 161 01 19	760 967 314 61 3	2722 2999 1599 247	471 704 504 144	139 244 100	17 12	3			
*****	4 1 4 2 4 3 4 4 4 5 4 6	0.5 179.1 427.3 414.9 404.9	221 534 1003 1193		1	1	7 20 44 62	47 122 191 219	116 275 930 495	232 232 232	23 100 93	15		1		
-		02.3 330.0 495.0 730.7 94.3	22 190 035 010		•	13	36	16 20 105 105	13 101 245 374	100 100 126	3 49 49 5	3 7 2	2	1		
*****	• ;	67.4 194.7 1277.6 1270.2 70.8	10 431 1376 1101 67		2 4 12	1 14 20	22 60 07	267 267 267	245 402 467 33	\$7 231 130	14	12 12 1		•		
	7 3 7 4 7 5 7 6 3	30.2 500.4 1494.3 1499.6 74.1 3.0	100 100 1 177		;	10	2000	99 164 242 7	14 292 911 412 17	303 143	17 102 97 5	41 17	:	1		
i		10.0 199.3 117.9 66.0 11.9	12 04 91 60 25		į	1 2 3	1	18 7 10	34 79 34 11	13	10	1	1			
3 1		1.0 41.3 30.4 10.5 792.0 115.4	13 55 70 70 163		1	2 1	\$	7 7 77 32	36 21 3 717 95	13 13 23	•	2				
3 3 3 3		44.0 4209.1 1377.3 71.4	3292 2074 199		•	3	40 73	390 390 350 22	2300 1307 117	413 200 43	42 45 10	2				
3	2 5 2 6 3 2 3 3 3 4	3.0 0.4 9.2 9109.4 10744.8 2933.5	4405 11611 9034		:	32 19	93 209 120	900 1990 570		7 +00 1005 1105	50 252 370	1 0 1 0 1	1			
;		423.0 24.7 390.4 1122.0 1436.3	1313 76 278 678 2322		1	12	54 2 4 10 75	140 11 63 101 261	456 33 146 514 1320	296 22 37 118 462	140 8 4 33 103	, 12				
3	4 5 4 6 5 1 5 2 5 3	1417.9 64.5 0.2 264.2 1139.3 1200.1	2012 73 0 44 428 1417		1	•	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14 69 240	27 249 607	20 2 43 244	20 135	10				
3		1005.0 77.2 1.1 174.0 1344.3	2191 160 67 489		1	20	1 25	100	1061 55	305	236	30	•	1		
3		2049.7 2040.0 74.6 1.9 240.4	3970 3405 148 6		13	33	116	946 461 22	441 1049 1472 40	993 472 33 1	355	67 66 11	16	:		
;	7 3 7 4 7 9 7 6 7 7	2394.3 9494.1 4594.9 62.0 6.3 64.9	1040 0003 3746 91 10		:	10	20 120 117 5	192 504 476 20 3	1172 1949 1 1874 21 12	200	33 507 456 14	114	10 20 2	3		
3		10.0 10.0	200			1	4	10 50 5	\$5 113 10	19	2	12	1	ı		
3		469.2 313.9 166.9 1.0 209.3	295 295 115 0			1	12	31 10 17	197 186 97	20 41 15	2	;				
3 14		917.6 30.5 109.1 99.8	42 42 162 05		1	1	17	91 3 19 11	196 26 120 99	79 11 22 12	45	10				

TABLE Ald consided ptintpoint of Alberton Lane Factons from the Point Base Thomas All Points Base Waltons Arbeits

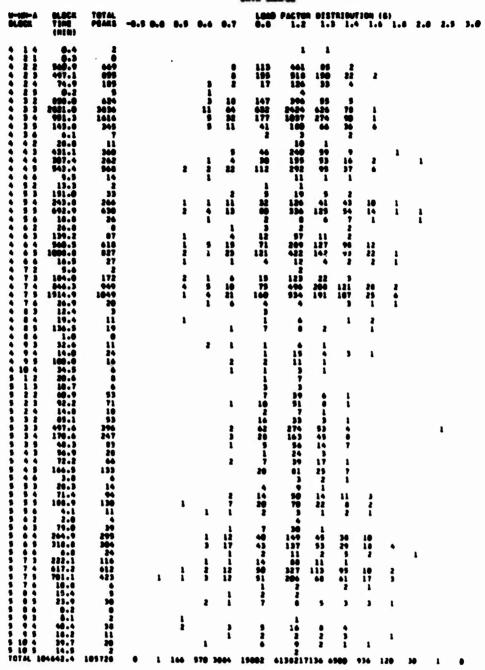


TABLE A29 DISTRIBUTION OF MANEUVER LOAD FACTORS FOR THE TIMMER AIR PONCE SASE PLICHT TEST RISSION DATA LAMBLE

	BATA SAMPLE BLUCK TUTAL LOAD PACTOR DISTRIBUTION (6)															
BLULR BLULR	BLUCK TIME: [MIN]	PEARS	-0.5	0.6	0.5	0.6	9.7	C.0	PACTOR 1.2	1.3	1.4	1.6	1.0	2.0	2.5	3.0
3 4 4	1.0	•														
3 3 2	11.7	•						2 2	3							
3 3 3	14.0	•					L	2	2	_						
3 13	4.6	•						2	•	1						
1 1 1	0.5															
1 1 1	0.5	i							•							
3 4 4	1.0	i							i							
3 4 5	0.5	ŏ							•							
1 4 6	1.5	4						ı	1	1	1					
1 5 4	1.5	0								_	-					
3 5 5	0.2	0														
3 5 6	1.5	2						1	1							
3 6 3	3.5	1														
3 7 3	3.4	ċ							1							
5 1 4	10.1	26														
1 7 3	9.9	iž						•	•	•	ļ					
3 4 4	4.5	0							•	•	•					
3 4 5	2.2	•				1			2		ı					
3 9 1	9.0	1							ī		-					
3 4 4	20.8	17						ı	15	1						•
3 9 5	1.0	٥														
3 10 1	0.5	•							•							
3 10 5	21.2								ı	5						
4 2 2	0.4	Š						1								
	C.4	i						•	1							
4 2 4	č. i	į							į							
4 3 3	C.5							3	•							
4 3 4	1.4	0						-								
4 4 5	2.0	0														
	1.2	0														
• • •	1.4	7				ı	1	1	,	1	ı					
* * * *	7.6															
• • •	0.5 2. 0	•					1		1	2						
4 6	2.0	ö														
4 7 3	1.0	č														
	20.5	19						3	15	1						
4 8 4	0.5	Ö						•	• •	•						
TOTAL	211.3	136	0	C	0	7	1	24	79	22	•	0	0	0	0	0

PISTRIBUTION OF NAME VOR LOAD FACTORS
FOR THE
TRANS ALE FORCE BASE
LOSISTICS, MEDIUM RAMPE MISSION

OF OCK	ALOCK TIME	PEMS	-0.5 0.0 0.5 0.6 0.7	LAMB FACTOR SISTRIBUTION (4) 0.0 1.2 1.3 1.4 1.6 1.0 2	.0 2.5 3.0
2 1 3	13.9	0			
2 2 2	19.3	0		-	
111	22.6	·- ·			
1 14	17.9	1	7 T T T T	-1	
1 11	2.0	2			
4 44	13.6	···		1	•
2 3 3	24.2 2.0 0.9	0	en remi re	1	
	14.3			•	
3 6 3	1.5	0 2		1 1	• • •
2 6 6	2.0 5.5	ō		• •	
2 74	14.4	ف			
2 7 4	2.0	1		1	
1 ::	43.0	1		1	
1 11	7.5 15.6	.9	er a		
2 10 4	14.2	0			
3 1 3	13.3	17		• • • •	
3 1 3.	0.6	2	man or man or a	The second of the second	p
3 2 3	248.6 75.9 11.4	20 37 21		9 22 1 6 24 5 2 3 14 4	
3 3 3	3.1	33		3 14 4 1 1 4 25 4	
	309.5	ä	:::	17 10	
3 3 3	75.5 3.4	30			
1 : 1	123.0	41		2 1 7 1	
3 4 3	109.7	61	1		
; ; ;	11.7	÷		2 1 1	
3 5 5	39.3	10 43		4 A 8 L	
3 3 3	4.3	10		4	
3 . 3	353.1	15 26		13 7 5 1	
3 7 3	21.2	15	1 1	3 3 3 1	
3 7 4 3 7 5 3 7 6	42.0 543.7 141.4	•0	4	2 4 1 10 6 2 2 - 1 1	
3 43	5.5 34.4	o 1		1	
	1017.6	•i	2	7 27 4 1	
1 1 1	130.0				
3 9 4	1032.1	28 65	1 5 3	12 14 1 16 17 18 10 1	
3 10 3	2.7	0	2	19 38 4	
3 10 5	0.4	2			
3 10 5 4 1 1 4 1 3 4 1 3	1637.5 2.7 3645.6 125.3 0.4 72.5 15.6 6.2 1.4 10.9 81.7	31 11		2 1	
7 1 7	1.4	•	1	3	
4 2 2 4 2 3 4 2 4 4 2 5 4 3 2	81.7	2			
		22	1 1	19 1 1	
4 2 5 4 3 2 4 3 3 4 3 4 4 3 5	203.0	79	. !	2 7 9 2 20 51 7 7 42 10 2 10 90 20 10 1	
	45.3	144	٠. الم	10 10 10 1 20 10 1	
4 3 3 4 3 4 3 5 4 4 4 5 4 4 5 5 5 4 5 6 6 6 6 6 6 6 6	9.1 86.1 203.0 98.6 85.8 3.4 7.0 76.2 123.9 242.0 6.3 18.4 28.9 31.4 2.5 19.5 19.5 19.5	53 0 2 31 11 4 4 9 22 8 7 9 11 14 9 9 25 45 12 2 8 8 12 12 12 12 12 12 12 12 12 12 12 12 12		A 10	
4 4 2 4 4 3 4 4 4 4 4 5 4 4 6 4 5 2 4 5 3	123.9	45		24 00 24 3	
	4.2	5			vi)
* 5 2	18.4	2		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	331.4	94		9 37 8 1 1	
	15.5	5		C2 - 1	
	345.2	24	1	9 13 1	
			79 -	÷ (0)	

TABLE AM construct PISTRIBUTION OF PARTYPH LOAD PACTORS PRAYIS ASS POSSES DAME LOCISTICS, COUNT BASIS MISSION AND LOCAL PARTY BASIS MISSION

9F 0CK A-HH-7	OLOCK TIME (MIN)	PEARS	-0.5 0.0	0,5	•.•	0.7	0.0	FACTOR 1.2		1.4			2.0	2.5	1.0
4 73 4 74 4 73 4 73	9.0 31.4 724.0 270.0	2 2 3 12		٠	1	2	11)1 10	1						
	433.4 2751.7	12 94				•	17	20	•	1					
	5404.9 5021.1	150			2	;	64 12	72	12	ì					
10 1 10 1	149764	90		1	1	5	19	43	12	•		Ł			
3 1 1	49.4 52.1	13				2	4	12	1						
1 1 1	0.9 0.9 11.9	12				Ā	1	i	ī	1					
\$ 23 3 24 5 25	37.9 23.9 21.9	29 40 46				1	10	16 20 33	2 0 11	ì					
3 3 3	14.4	•					2	3	1	ı					
; ;;	43.4 42.1 134.3	42 46 179			5	1	10	39 115	25	2 7					
; ; ;	1.2	10					1	;	,						
	29.1 293.5 4.7	135				•	17	**	15	ı					
; ; ;	337.1 3.0	10		1		2	1	31	2	3					
	12.0 400.2 1.7	17					3	13	2						
3 7 4	14.5 734.6 0.5	11 23					1	15	•						
; ; ;	1.0 937.0 1514.9	47		ı	à	3	11	34 10	ž	2					
3 14	3714.0 4936.1 9931.5	41 37		1		1 2 5	15	10	2	2	2	2			
\$ 10 \$	252.0 20.4 41.7	16		•	•	•		•	•	•		•			
	1.1	3					í	14							
: ::	25.7 15.5	19					•	•	ı	ı					
	11.2 2.6 17.9	15					1 2	12	2						
	27.7 100.4	14				3	10	92 15	;	3	2				
	20.5 40.9 105.0						ţ	21	l •	٠					
	3.3	10				ı	,	1							
	4.6 4.3 254.0	•						•	1						
: ;;	2.6 8.8 392.8	į						2							
	1.0 55.5 410.0	0 0 3 2 7						3							
	213.2 973.3 741.9	•				2	1	1	ŀ						
& LO S	14737.2	1170		10	17	73	640	2074	-	107	•	3	•	•	

								-	WLE		_				
9-101-		PEARS	-0.1	•.•	0.5	0.6	0.7	0.0	PACTOR L.2			1.6 1.	• 2.0	2.9	3.0
		•													
2 3	1.0	1							ı						
	C.0	2							,						
	6.5	1					٠	1 1 7		2					
1 1								;		ļ					
3 2 4	19.7	32 11 20				1	ı	3	26 7 2 16	3	ı				
	71.3	19					i	•	12	;					
	50.1	2						i i	1						
	9.3	i						1	1						
	9.1								•						
	10.0							i i	,						
	74.3						1	2	•		1				
	201.4 32.0 2074.0	100					•	12	1 17		•				
	12.0							1	1						
	10.0))1						10	ું કે 21		,				
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		3													
	4.5 23.0 104.0														
10	75.5 2055.7 1521.0 4701.3	16			,		:	1							
\$ 10 S	197.1 19.0 21.4	14			•			25	1	13	ı				
	1.5	9							3	,					
1 11	4.4 9.2 10.1	:					1	;	•	1					
	42.0 3.5 4.3 3.6	*			ı			;	10	•					
	01.5 0.0 1.0	12							10	1					
: ::	112.2							1	3 1 1	ı					
	205.2 9.9 61.5 209.9	1 1 5 6						1	•	-	1				
• • • • • • • • • • • • • • • • • • •	299.6 846.7 526.5	97 3					•	16	20	i	i				
	37.0	133	ij.	0	•	2	21	126	114	90	7	• •	•	0	0

PLANTS AND PACTORS AND PACTORS

	THE CONTRACTOR OF THE CONTRACT														
9-00-A 01-00X	TIME TIME TOTAL	MA	-9.1 0.0	0.5	••	6.7	1.50	746701	90	in it.	1.0	•1.0	1.0	2.5	1.0
2 1 1	14.6 101.1 121.6 19.4 91.9	305 101 10 20		•		2	**	220 107	**	i					
	704.0 397.4 04.0 97.3	223 200 116 47				1	34 36 15	171 224 67 24 1	35	10	t				
	100 .2 430 .5 382 .3 95 .9	100 100 200 114		i	1	:	10 22 36 19	101	13	11					
	13.2 91.1 45.0	12					•	10	1	;					
	2.0 2.0))))					**	1	•	;					
2 6 8 2 6 4 2 6 5 2 7 9 2 7 9 2 7 9 9 9 9 9 9 9 9 9 9 9 9	22.5 94.6 94.7 37.4 96.5 91.6 67.6	10 121 51 22 02		2	1	1	19	94 27 17 94	12 2	2	1				
3 1 1 3 1 2 3 1 3 3 1 4 3 1 5	14.0 1900.0 446.8 192.8 200.0	1 097 914 136 117				\$ 16 2 12	70 05 10 17	1 470 333 73 60	66 70 67 26	1					
) 2 2) 2 3) 2 4) 2 5) 2 6) 1 1	2020.9 1362.0 201.2 227.4 6.7 0.3	1116 700 106			ı	19	61 113 33 19	227 100	163	23 34 19	ł				
) 32) 33) 34) 35) 36	2149.3 1674.6 967.7 26.3	164 893 1469 939 21		•	1 3 7	13 23 20	17 115 152 160	121 057 1023 120 14	220 101	10	1	1			
; 4 ; ; 4 ; ; 4 ; ; 7 ;	162.3 579.7 606.1 11.7 20.5	111		2	;	11	100	32 179 262	::	10 22 1	; ;		ı		
; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	63.3 402.0 607.2 4.7	917 700 3			3	12 25	1117	31 250 311	115	125	25	?			
	307.0 1133.0 490.4 0.3 11.0	247 1206 672 26		1	;	34 23	20 107 103	105 508 315	207	142	10	,			
3 7 3 3 7 4 3 7 6 3 7 6	1063.0 141.7	320 013 277			3	16	27 93 31	233 311 130	135	11 99 99	:	ì			
; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	9.3 14.0 313.1 6.7 109.4	13 27		ı ı		1	•	11	•	5					
110 4	150.5 100.7 0.9 91.9 79.0	10			1	1	:	1	11						
	73.7	13 12 12			1	1	1	37 3 10 62	;						
* * * * * * * * * * * * * * * * * * * *	171.2 210.0 210.4	117			1	1	11 4 2 3 17 24 07	27 23 70 146 211	11	; ;	1				
• 1 • 1 • • • • • • • • • • • • • • • •	21.4 02.1 204.0	363 13 4 30 111		1	ì	15	**	20	97 69 7 10	•	3				
	0.2 12.6 19.9	1					:	19							

____ DISTRIBUTION OF RESOURCE LOAD PACTORS

9-101-A	OLOCA TIME (MIN)	101AL 10 MIS	-0.5	0.1	•.•	0.7	0.0	145		1.4		1.0	1.4	2.9	1.0
: ::	145.2	42 11				•	•	20	10	•				•	
: : :	10.5	10			1		•	1							
: ::	171.0	119					:	. H	H	-11	1				
• ; ;	79.5	107			,	,	,;	17 24 36	20	20	13				
	2.0 7.0 7.0	i		· -				1	+	-		-			
: ::	256.3	1						•	8						
110 1	320.0	16				٠.		ţ					-		
; ; ;	9.3 34.5 41.7	į					,	:							
	10.3	1				_		- 1.		100					
: ::	0.1							· ·	8						
1 11	6.9 13.1 13.2	i						1	.1.						
	3.4 0.3 1.0	;					1	1	1						
	11.5	1					;		. i.						
;;;	13.3							2	. L .						
; ; ;	10.0	1					i	1							
	31.3 72.0 0.7	í					ı	1	1						
	10.0 216.7 127.6	•													
	1.00.0						·	•	,						
• 1 1	1.4														
	1.0														
	0.9 5.6														
• ; ;	6.5							;							
	*. \$ 5. 5							•							
	0.5 12.5														
: ;;	6.2 63.8	17275		0 Z1	50	190	2294	10637 2	1700	***	132	13	1		

TABLE ASY DISTRIBUTION OF MANDUNIN LOAD FACTORS FOR THE TRANS ASA FORCE DASA PLIONT TOST RESSION GATA SAMPLE

P-IOI- A	aluck Time IMIMI	PLANS -0.5 0.0	0.5 0.6	3.7 0.8	1.3 1.3	1.4 1.4	1.6 7.0	2.5 3.0
4 1 2	1.5	1			1 .			
	0.5	7			2.	-		
: ;;	1.0				A			
: ;;	3.1	9			_	+0		
: ; ;	7.9	12		- *	10	_		
: ::	1.0	3			1			
TOTAL	35.9	11 1	•	0 5	26 0		0 0	•
				_	83			

TABLE AM DISTRIBUTION OF COST LOND PACTOR: FOR JULY PORCE BASE LODISTRICE, MODERN ALMER MIDELIER

						•	W/E 10	-									
9-00-A 9-00-A	91.00E 1100 10101	707AL	-0.1 0.0	0.5	0.4	0.7	5.00	P44 700 0.1	1.1	1.1	161	1.4	1.6	1.0	2.0	2.5	3.0
111	1.0							2	2								
	10.3																
1 11	1.0	Ĭ															
	1.4	1						2	1								
1 1;	4.7	;						1	i			1					
1 11	1.0	į						1	1								
10	13.5																
	30.5 93.3 19.7	173						16	110	1							
	\$13.8 139.3	170					•	130	216	12							
1 11	7:	36					1	11	19	3	1						
	140.3 265.9 146.1	213 434 390				1	12	167 136	119 232 166	15	3						
	7.3	*;					3	35	**	•	,						
	14.2 31.4 07.3	124				2	21	35 54 65	9.5 9.5 1.24	10	7	1					
; ; ;	103.0	347					10	117	197	10	•						
; ; ;	34.3 301.5	77					17	190	34 287	23	ı						
; ; ;	29.1	37						15	17	1	-						
	294.3	204		5	3	•	11	104	137	10		,	ı		1		
1 ; ;	425.1	130			٠	26	134	30	40	103	40	11	3				
	4.0 14.7 149.4	52 301		3		1	22	14	26	3	,	•					
	1.0							329	1311	101	14	12					
1 0 1 1 0 1 1 10 1	1330.4	1220		,	1	;	23	391	32 Z	43	10	i					
	190.4	1113			1	3	21	254	51	**	1						
	17:0	114 100 27				1	?	30	91 93 14	5 I	ı						
	0.L 00.6 133.4	125					•	42	76	2							
A 2 4	19.1	101		1			1	**	74	15	7	ı					
	1.2	1 04 204					2	32	•	13							
	73.4	333				į	;;	107	196	52 47	10	,					
	1.0	492 323 14 35 70					5	96 5 7	146 7 25 35 100	3	2						
	161.3	414				;	12	100	100	* 1	19	į					
	0.5	11					,				5						
	3.1	31 203 32 252 10					13	91	163	15	¥.						
	207.1	252				1	•	100	131	14	ı						
	20.5									19	i i						
	77.0))) 1					10	100	30 194 13		•	2					
	1347.0	uii			2	1	*	200	33 164	122	1	•					
	9.2 J.0 41.9 41.9 41.9 294.0 9.1 10.1 207.1 11.1 207.1 10.7 20.9 20.0 20.0 100.7 209	1111 100 1110 1110		1	,	•	11	20 246 31 200 570	54 54 404 622	32							
10 1	11040.2	2922			1	•	30		1401	74	•	2					
0 10 0 0 10 9 0 1 2 0 1 3 0 1 4 0 2 7	11:3	2528 124 61 165 12						45 12 20 2 3	75 64 110 3	14	1						
	1.1	12					2	3	3								
	1.0	- 7						i	~	1	•						

TABLE A30 concluded DISTRIBUTION OF OURT LOAD PACTOR: FOR THE CHARLESTON AIR PORCE BASE LOGISTICS, REDIUM RANGE MISSION DATA RANGE

R-INI-Y	BLUCK TIME (MIM)	PEARS	-0.5 0.0	0.5	0.6	0.7	LUAD O. B	FACTOR 0.9	DISTRI	1.2		1.4	1.6	1.0	2.9	2.5	3.0
5 3 3	31.5	32					2	10	19	1							
5 3 4	36.6	61				, į	3	51	34								
5 3 5	57.7	100				1	2	38	59	•							
3 4 4	4.5	14						7	•	1							
5 4 5	122.7	175				1	•	60	**	ıė	ı						
3 4 6	7.5	15				•	•	•	7	ž	•						
5 5 4	7.5	0								_							
3 5 5	147.0	135					13	42	73	7							
3 3 4	7.6	0						•	2								
5 6 5	191.3	37					2	17	18								
3 4 6	3.5	•					-		6								
5 7 4	1.0	0								_	_						
3 7 4	247.4	188			1	1	•	76	97	•	3						
3 4 4	1.0	•							2								
5 1 3	754.5	213				ì	9	01	116	10							
5 9 4	4475.9	1179				3	14	305	737	37	3						
5 9 5	2927.3	1223)	•	20	40	441	612	61	15	15	2				
5 10 4	7631.5	1904			2	7	59	748	1000	71	11						
5 10 3	457.0	15						11	12								
	47.0	37					1	**	37	4	1						
	1.0	•					i	2		•	•						
4 1 5	0.2	C															
. 2 2	3.0																
4 2 3	21.6	41 72					1	10	21 42	1	1						
. 23	5.2	37					ī	iž	22	į	•						
6 3 2	1.6	0					•										
6 3 3	17.1	37					5	11	16	3							
	32.6	73						24	43		_						
. 3 5	74.6 3.5	364					10	121	192	"	1						
	3.0	0				•	•	••		•	•						
6 4 4	0.2	Ö															
h 4 5	143.3	153					2	57	85	•							
	8.7	15						1	10	1							
4 3 3	0.5 2.C	0															
. ; ;	154.7	148			1	5	12	47	67	11	5						
	1.5	3			•			1	ž	•••	•						
	144.9	62					2	27	50	3							
6 7 4	1.5	0								_							
0 7 5	17.9	93					l	38	47	7							
3	476.	109			ı	2	7	41	46	•	5	3					
6 9 4	564.1	98			-	•	•	27	67	ě	-						
6 4 5	1105.7	217				2	3	03	124	•		1					
6 10 4	377.3	28						10	18								
e 10 5	12.0	0					-1-			1.000			_				
TOTAL	52964.0	26624	C 1	14	29	125	715	9181	14407	1599	276	71	•	0	1	0	2

TABLE AS1 DISTRIBUTION OF GUST LOAD FACTORS FOR THE CHARLESTON AIR FORCE BASE LOGISTICS, LONG RANGE RISSION DATA SAMPLE

BLUCK	bluck time tmamb	PPAKS	-0.9		0.5	0.6	0.7	L CAD	FACTOR 0.9	DISTREE	1.2 MOI TUM	1.3	1.4	1.4	1.0	2.0	25	3.0	
3 1 2 2	2.2	14							•	7	1								
9 3 2	4.2	10							3	•									
1 11	1.4							ı	10	\$ \$									
1 14	4.9	10						•											
3 4 4	2.0	i							ĭ	•									
1 4 5	4.5	1 0 0 5 0							•										
1 5 5	4.5	0																	
3 6 5	5.0	5						ı	2	2									
3 7 5	4.5	0																	
3 6 5	4.0	0																	
3 0 .	3.0																		
3 10 4	371.9																		
4 10 3	3.0	112						1	•0	49	2								
4 10 4	627.0	155							87	45	3								
3 9 4	41.0								• •	•>	•								
9 9 5	205.0	3						1	1	1									
9 12 4	140.2							•	i	į									
5 10 5	C.8	2							•	-									
4 1 3	0.5	2							1	1									
6 / 2	1.0	0																	
6 2 3	2.0								2	4									
• 2 •	1.2	0																	
4 3 3	1.2	2						_	1	1									
6 3 6	2.7	11						1	2	,									
	7.0	- ::							7	16									
4 3 4	0.3	22																	
6 9 5	9.3	12									ı								
	1.0									11	•								
	1.0	12 5								-									
. 6 5	0.0																		
. 7 .	1.0																		
6 7.5	12.6	1) 95							18	15									
	15.0	95					3	•	39	39	4	4							
	74.0	:																	
A 10 4	26.0																		
THEAL	1042.1	142		0	0	•	,	11	10 273	260	11			0					

-- Alstribution of But Lone Sectors.

PLOCK N-101-Y	SLOCK TIME (MIM)	TOTAL PEAKS	-0.5 0.0	0.5	•.•	0.7	-1000	JACTOR 0.1	DISTRICT 1.1	WTJON 1.2		1.4	1.6	1.6	2.0	2.5	3.0
2 1 1 2 1 2 2 1 3 2 1 4 2 1 5	12.2 424.5 58.5 1.3	1792 400 13			2	:	72	436 166	914 149	127	;	2					
2 2 1 2 2 2 3 2 2 4 2 2 5 2 6 2 1 1	1.0 431.3 350.3 63.4 4.9 1.5	1546 1379 418 31		1		14.	**	871 465 117	- 813 670 - 144 - 21	90 132 59	14 19	7					
2 3 1 2 3 3 3 4 2 3 5 6 2 4 4	298.9 218.0 53.2 21.8 1.6	226 412 245 245 245		ı	2	- }	16 18 11	71 144 90 72	129 212 111 104 . 3	17 36 16 30	1 9	3					
2 4 5 2 4 6 2 5 4 2 5 5 4 2 6 5 2 6 5 2 6 6	26.3 0.6 9.4 20.4 8.6 19.2	10 15 20 20 20 20			•	1	1 	10 7 10	22	•	1						
2 7 3 2 7 4 2 7 5 2 8 3 2 8 5 2 9 4	17.6 75.9 95.0 5.7 33.3	232 143 8 40			•	-	13	28 99 62 1	25 100 04 4	13	ì						
2 9 9 2 10 4 2 10 9 3 1 1 3 1 2 3 1 3 3 1 4	17.5 99.0 0.5 0.3 849.4 257.2	10 0 8 3747 1979 140			··		1 125	1399 - 422 - 65	2 4 1992 747 93	232 126 11	10 11 2	2					
3 1 9 3 2 1 3 2 2 3 2 3 3 2 4 3 2 5	58.7 14.4 846.7 1297.6 160.2 166.8 0.2	177 9 1892 1992 1095 1130		1	, , . ;	1 -2 14 9	34. 191. 201.	72 5 749 1490 357 390	79 1020 2000 421 405	76 240 122 126	2 21 27 22	1 2 13 5					
3 3 1 3 3 2 3 3 3 3 3 4 3 3 5 3 3 6	3.7 306.3 936.0 324.4 214.5	0 374 1701 1264 913			11	. 2 3 19 10	•	147 437 418 282 27	177 005 534 344 53	10 107 106 119	2 7 39 29	1 14 21 1	1				
3 4 2 3 4 3 3 4 4 3 4 5 3 4 6 3 5 2 3 5 3	10.5 53.8 91.0 196.7 7.1 2.0 7.2	13 204 421 24			1 2	j 1	16 20	2 3 109 195 7	2 10 123 100 6	24 36 7	3 5 2	3 2 1					
3 5 4 3 5 5 3 6 6 3 6 8 3 6 6 3 6 7	84.0 194.1 2.9 51.9 331.6 363.3 3.4	133 232 3 12 279 450	gar istore	***	1		12 11 20	110 110 112 112 107	65 64 10 126 212 2	27 37	1 2 1	1					
3 7 3 3 7 4 3 7 5 3 7-6 - 3 6 3 3 6 4 1 0 5	207.1 636.5 525.3" 11.9 20.2 47.0 203.6	492 1239 0 25 42 250		3	2	rit	13 ·	22 179 477 7	37 229 359 17 23 112	10 101	21	;	1		19		
3 7 3 3 7 4 3 7 5 3 10 3 3 10 4 3 10 5	1.0 32.5 239.3 0.8 397.2 34.5	0 32 173 0 157		2			14	13 60 44	19 76	•	•	2					
4 1 1 4 1 2 4 1 3 4 1 4 4 1 5 4 2 2 4 2 3	4.1 81.2 41.7 2.0 0.8 71.5 96.3 39.0	460 221 18 16 69 179 201						155 05 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	226 99 40 -194	29 29 2 1 4 12 28	1 1 1 1		•		-		
4 2 4 4 2 5 4 2 6 4 3 2 4 3 3 4 3 4	29.1 2.1 66.6 63.1 149.6 97.0	133 54 60 173				-	1	## # 35	- 188 - 183 - 183 - 183	20 7 3 10 29	1	1 1 2	1				
* * * * * * * * * * * * * * * * * * * *	13.0 125.1 4.4 2.0	236 7 0 54 250 5			2		:	10	105	14 29	1	2	1				
• • • •	22.6 137.0	149						10 54	16 86	:	1	1					

TABLE Assembleded DISTRIBUTION OF SUST LEAD FACTORS FOR THE CHARLESTON AIR FORCE SASE TRAINING MISSION DAYA SAMPLE

BLUCK W-181-A	TIME (MIM)	PEAKS	-0.5	0.0	0.5	0.4	0.7	LOA0	PACTOR	DISTRI	F - S		1.4	1.4	1.6	2.0	2.5	3.0
	9.5 27.5 157.0 225.9	13 2 103 230						,	1 66 96	3 1 54 115	1 2	1 1 2						
	1.7 3.0 100.4 252.6	104					•	;			1		•					
	348.7 8.5 19.0	154 272 0 2					1	•	40 67 105	94 80 149	15	2						
	13.0 116.1 0.5 24.3	18 148 0 13						3	35	83 7	1	1						
4 10 4 4 10 5 TOTAL	63.7 36.0 1.0 14326.9	13	•	•	•	45	196	1	12277	10392	2577	345	117	,	. 2	9	c	r

TABLE A33 DISTRIBUTION OF GUST LOAD FACTORS FOR THE CHARLESTON AIR FORCE BASE HISCELLAMEOUS HISSION DATA SAMPLE

								/m : ~	4.66									
PFIRK S-MI-V	SLUCK TIME (MIN)	PEAKS	-0.5	0.c	0.5	0.6	0.7	LOAD O. 8	FACTOR 0.9	DISTRI	1.2		1.4	l.ø	1.6	2.0	2.5	3.0
2 1 2 2 1 3 2 1 4 2 1 5	20.1 3.0 2.5	0 12 19					ı	2	5	16	ì							
2 2 2 3 2 2 4 2 2 5 4 2 2 6	12.7 21.0 151.1 22.0 5.9	i 13 269 113 36					ì	12	i 5 107 53 11	136 41 20	11 •	1 1	ı					
2 3 4 2 3 5 2 3 6 3 1 2 3 1 3	5.5 28.3 2.7 18.6 3.0	22 50 13					1	2	17	24	1	ı						
9 14 3 15 3 22 3 23 3 24	256.4 256.4 115.0 123.0	500 20 20					2	15 17	31 240 4	30 284 4 11 175	21 24	2						
3 2 6 3 3 2 6 3 3 3 3 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6	339.0 2.9 1C.7 20.1	1057 7 4 1				ı	5	53	405 3 1 1 51	509 1	55 1 1	•	L					
3 3 3 4 4 5 3 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	140.0 2.5 50.3 93.1	365 14 32 119					2	13	146 3 18 50	105 5 14 62	3	1 1						
3 5 4 3 5 5 3 5 6 3 6 4 3 6 5	24.8 76.0 1.1 13.8 116.3	19					,	7	24 2 10 57	3 3 4 51	1		1					
3 6 6 3 7 4 2 7 5 3 7 6 4 1 2 4 1 3	2.0 11.6 75.3 0.5	2 3 23 0 29							3 7 3	15 17 19	;	•						
4 1 4	9.3 9.1 41.3 4.2 4.0 16.7	31 134 0 0				ı	2	1	17	10 72	10	1	1					
* 2 1	39.1 2.5 94.0 75.1	137 27 46 69 12					1	3	41 21 33	76 15 25 42 7	13	,						
	11.0 54.8 6.0 17.5	91 9 32					1	1	27 27 24	19 5 24 34	i		1					
* * * * * * * * * * * * * * * * * * * *	4.7 0.9 0.4 1.9 29.0	47 2 23						•	1 10	3 24 2	1 2		1					
TUTAL	2485.7	4439	•	0	•	2	21	101	1769	2180	543	29	•	0	0	•	7	3

TABLE A34 DISTRIBUTION OF GUST LOAD FACTORS FOR THE CHARLESTUN AIR FORCE BASE FLIGHT TEST MISSION DATA SAMPLE

M-144-W	BLUCK	TUTAL						LOAD	FACTOR	DISTRIR	UTION I	161						
HEUCK	(MIM)	PFARS	. 0.5 0	.•	0.5	0.6	0.7	0.0	0.4	1.1		1.3	1.4	1.6	t . 6	2.6	2.5	1.0
3 1 5	1.6	4								ı								
3 5 5	1.0								_									
1 2 3	3.0	•							Z	1								
1 11	10.0																	
4 1 3	1.0	20								ıi								
4 1 1	ē. 7	- 1						2	- 1	";	,							
4 1 4	0.2	i i						•	•	i :								
4 2 2		si.						2	24	23	2							
4 2 3	2:1	ě									•							
4 2 4	6. 3	7							1	•								
4 2 5	0.0	18							5	11	2							
4 3 3	14.0	11							•	•	ı							
• • •	• • •	!1		•					•		_							
: ::	7:5	19							2	15	ı							
1 41	9.8	- 1																
	1.3									1								
4 4 5	6.9	12								13	1							
4 4 4	0.6	Ţ						ı	•	1	i							
4 5 5	1.2	t								i								
4 5 6	●. 2	7							2									
• • •	0.3	1							l.									
4 6 5	2.7	11	-	_	_	7/27	_	1	7	, ,		8550						
TUTAL	74.6	140	•	Ģ	0	0	•	6	70	102	11	•	•	O	٥	0	•	

TABLE A35 DISTRIBUTION OF GUST LUAD FACTORS FINE THE CHARLESTON AIR FUNCL BASE AIR NORM: TRAINING MISSION DAIA SAMPLE

N-HH-A BLCCK	HLLCP FIME (MIN)	TUTAL PEAKS	-0.5 C	n.o	•.5	•.•	0.7	LAND		DISTRIBU		1.4	1.6	1-0	2.0	2.1	3.0	
1 1 2	1.3	•							1	•				·				
3 2 3	3:8							1	1	7								
3 3 5	7.7	,;							ų,	19 13								
4 13		1							,	13								
4 1 4		į																
TOTAL	15.0		٥		•	•		1	23	43	•				_			

BLDCK H-HH-A	OLOCK TIME (MIM)	TOTAL PEAKS	-0.5 0.6	0.5	0.4	0.7	1	rector.	PLATRICO		(6) 1.3	1.4	1.6	1.0	2.0	2.5	3.0
: ::	0.4	1 20					(0)	1	14								
111	0.5	•						: 7	_1								
	15.5 6.6 1.0	17			•				•		•						
	7.4 13.2	į							3								
1 11	2.1		• • •	•						7	•						
	1.5	35						. 19	15	1							
	4.5 1.5	23					1_	1	7								
2 1 2	12.4	47 30						21 19	24 10	5							
	16.3 26.0	10						•	20	3	1						
2 10 4 2 10 3	103.8	92						26	44								
3 1 2	102.5	243						99 13	148		1						
3 2 1	2.2 6.9 214.0	235				-		<u>k</u> .)	,							
1 2 3	20.8	331 136					11	146 146 .90	130 170 54	16	3						
	127.2	199				,		-181	-131	9	1	1					
; ; ;	131.7 79.8 1.4	404 944		1	1	10	17.	- 184-	. Bi	21 67 2	;	•					
1 1 1	3.0	3					. i			1	ĩ						
3 4 3	39.4 90.4 205.9	204 673			1	•	- 12 .	।हि	91 134 349	14 43	1	1					
; ; ;	4.7	24				i	1.	•	10	•							
	20.4	254			1	•.	ţ	**	154	15		*	1				
	232.3	317		1	1	•	17	123 1	349	15	1	1					
3 7 3	16.5	•1				1	Ξ.	19	35	.3							
	302.4 4.5 11.6	479			1	•	16 .	170	259 11 1	19	3						
; ;;	0.5 0.5 072.4	477				1	10	171	275	17 11	2						
3 7 5	1.0	320		1				130	_222	13	5						
	162.0	1371			1	•	34	499	776	47	1	•					
113	37.1 11.0	31 35				•		. 1	- 22_	7							
4 1 5	0.2 0.3						1	26 19	50	_							
2234 223 4 23 2 4 2 3 2 3 4 2 3 2 3 4 2 3 2 3	3.0	90 90 206 192							21								
	38.1 153.5 70.1	296 192		ı			- 4 -	. 100	117	10	ļ						
	79.7	210			A.	į	1	- 65 ·	177 06 00 47	10 7 24 16	10	3	1				
	25.0	210 114 1 97 114 201			•		1	99 93 32 32 24 97 70	27 91	•							
	114.2	201				1	7	70	114	7	2						
	155.0	169						14-	11	17							
	2.5								1								
	7.0	104 13 990						. j		10							
: ;;	431.1	990				ı	ı÷	107	Ni Ni	••	2	1					
4 8 6	042.4	917				•	12	175	505	37	9	2					
	11.7 2.0 30.1 151.5 70.1 70.7 11.5 23.0 72.2 11.6 7.0 21.6 122.0 0.5 2.9 21.7 20.5 7.0 20.6 20.0 0.5 20.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	796 941 13			1	;	55 57	253 317	395	41	;						

TABLE AS CONCINCE DISTRIBUTION OF BUST LOAD FACTORS FOR THE DOVER AIR FORCE BASE LOGISTICS, MEDIUM RANGE MISSION DATA SAMPLE

P-INI-Y	#LOCK TIME	TUTAL PEAKS	-6.5 0	A 0:	• ^	. 6	0.7	LOAD O. B	FACTOR 0.9	DISTRI	101 TUB	(6) 1.3	1.4	1.0	1.0	2.0	2.4	3.0
SCOCN	(MIN)	71 403	-0.7 0	.0 0.	., ,	••	•••	٠	0.7	•••			•••	•••	•••	2.0	,	3.0
4 10 4	13786.3	4732 168				•	24	147	1725	2636	140	22	7					
2 1 5	29.8	140					5	1	44	85	5	2	1					
5 1 4	22.3	93						2	3A 7	50								
3 1 3	12.9	62							29	31	1							
2 5 5	44.5	187						3	78	90	14	2						
3 2 4	4.0	14					1	5	3	15	1	ī						
9 2 6	0.5	0					-		-		Ţ.							
; ; ;	29.6	90					ı	5	39	39	•							
5 3 4	30.6 66.9	40				ı	1	7 18	27 101	25 143	41	3	1					
5 3 6	5.0	315				٠	•		ì	173	71	,	•					
3 4 4	3.0	1 2							1	ı								
5 4 5	115.2	170						7	55	95	10	3						
3 5 3	2.0	30						1	11	15	2	ı						
3 5 4	C.5	32							11	19								
5 5 6	123.1	0						1	**	14	1							
5 6 3	1.0	0																
9 6 5	191.4	125					2	•	31	67	13	•	7					
3 7 3	1.0	0																
5 7 4	1.0	0							44									
3 7 5	274.1	150						2	60	95	•	5						
5 8 5	733.3	735			1		1	•		155	12	1						
5 9 4	3277.7	691					3	7	172	477	28	3	1					
5 10 3	3000.9	037 C				ı	3	31	240	50 L	31	•	ı	1				
5 10 4	9198.2	2177					1	45	728	1342	57	4						
5 10 5	773.9 15.6	184							53	01 10								
• 13	50.5	81 30						1	24 15	94 12	5							
6 1 5	0.6	4						•		2	•							
0 2 3	20.0	3							•	19	1							
. 2 .	10.6	36							15	22	2							
6 3 3	15.2	24							2	13	3							
6 3 4	35.1 100.0	138				2	•	14	117	31 130	39	7	5					
	24.C	25				-	•	• •	14	11	• •	•	-					
	C.5	0																
. 4 5	148.4	134					1	5	36	84	•	1	ı					
: ; :	1.0	17							•	11								
	4.0	101						L	20	43	•	1						
	1.0	C						_			_							
: ::	245.3	116 C						2	47	45	5							
. 75	282.2	131					2	•	34	76	14	1						
	7.5	0								1								
: ::	393.7 327.3	94					ı	1	17	30 54	2							
	815.5	346						•	116	212	14	_						
4 10 4 4 16 5	74.0	530					1	2	49	149	•	1						
HITAL	52 480. 0	24924	0	0	• 7	13	L 87	787	86 70	13965	1178	172	44)	0	0	0	o

9FDCK #-101-7	OLOCK TIME (NIM)	TOTAL PEAKS	-0.5 0.0	0.5	•.•	0.7	1.0	PACTOR 0.0	Distract 1-1	1.2	(6) 1.3	1.4	1.6	1.0	2.0	2.5	3.0
2 1 1	1.5 176.1 37.3	427			1	2	21	230 70		31	;	1					
2 1 4	0.3 0.2 201.9	720					- 1			37		-					
1 2 3	137.9 26.2 8.6	609 254	•		1	į	15	364 295 03	- Mi	35	11	Ł					
	9.5 93.7	152			ī	· .	뷺	- 18	- 3	2 6 37	,	1					
	49.5 17.4 0.3	415			i	•	27	143	15	96	Ť	ž					
2 4 4	4.0 21.5 1.0	20						•	10	2							
2 5 5	14.3 26.0 19.1	11 32 72					i	7 13 31	16 36	1							
2 7 4	0.5 62.6 1.0	. 175					i D	-4	. 113	ž	ı						
3 1 1	5.5 42.0 4.0	1						1	1								
2 10 4 2 10 9 3 1 1	4.0 7.5 6.3						- i			2							
3 1 2 3 1 3 3 1 4	1393.0 579.3 20.3	5205 2040 197			2	10	125 67 22	. 1749 674 97	3067 1114 83	200 168 22	25 16	1					
3 1 3	0.2 1299.4 1616.3	3394 4270		1	2	٠ ج	. 42	-1111	1912	130	7 26	3					
3 2 4	145.4 12.4 242.3	755 176 491		•	ì	10	39 20 9	513	375 99 262	84 27 21	10	3					
3 3 3 4 3 3 5	1213.6 432.4 117.5	2003 1430		į 2	3	15	ાર્ <u>યું</u>	122	1500 1500 1500	197 193 131	23 51 43	11 13					
3 3 4 2 3 4 3	9.4 2.6 39.7	14 0 31		-		1	i_	1	11	1	1						
; ; ;	02.1 174.9	315 451 14			•	5	29	104	149 208	91 41 2	;	3					
; ; ;	214.7 417.9	123 348					1	49	71 105	17 2							
3 5 5	301.9 2.5 43.7	345				1	11	120	172	33							
1 4 4	250-3 245-3 7-6	4.7 8.7 5				- ·	. •	. 15		2 3	1						
1 7 3	21.7 162.9 325.0	129					12	37 142	02 247		1	1					
3 7 6	1.0 7.0 135.1	37 199						19	15	3		1					
	226.7 12.2	117 691 15		1		_ 1	27	132	بند	39	39						
3 10 4 3 10 5 4 1 1 4 1 2 4 1 3 4 1 4 4 1 5 4 2 2 4 2 3	1348.1 22.5 0.4	107				1.	3	-119-	**	11	1						
	33.0	205 205 30 67 62 394 76				Ē	3	. 41.	200 123 13 42 42 200 200 200 200 200 200 200 200 2	15	1						
	52.2 102.4	374			1	. 4	A	33 136	227	13	1						
	3.1	199			2	;		- 4	97	10	•	2					
4 3 3 4 3 3 4 3 3 4 3 3 4 3 4 4 3 5 4 3 6 4 3 7	120.2	174 495 325 33	•		1	3	23-	127 . AZ . 11 . 23 . 23 . 24 	92 229 144 17 7 27 	12 71 29 3	15 13 1	i					
4 4 4	3.9.	47					1		27	2							
	17.0	.12		2		•	.25 _	1	-73	24	•	1					
	175.2	257					9 ,	4		10	1	ı					
4 5 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	22.5 03.6 93.6 93.6 3.0 52.4 20.6 14.0 148.2 91.2 71.6 175.2	317 129 207 0 10 10 10 10 10 10 10 10 10						10	. 10	ì							
	127.0	100				ı	,	,i	7	2							
	127.9 91.5 257.7	157 262 330				1	;	63 133	155	11	1						

TABLE A37 concluded UISTRIBUTION OF GUST LOAD PACTORS FOR THE DOVER AIR FORCE BASE TRAINING MISSION UATA SAMPLE LOAD FACTOR DISTRIBUT

W-MI-A MLUCK	BLOCK TIME (MIN)	PEAKS	-0.5	n. o	0.5	0.6	0.7	LOAD 0.8	FACTOR 0.9	018788 1.1		(6) 1.3	1.4	1.4	1.0	2.0	2.5	1.0
- 10 4	2275.4	564					2	11	205	350	21	4	1					
• 10 5	21.0	1							1									
5 1 2	5.6	50							2	17	1							
2 1 1	7.2	21							•	13								
5 2 3	4.2								•	ž								
? : :	1.6																	
1 11	1.2	;						1	•									
5 1 4	5.0	25						•	10		2	1						
5 3 5	28.0	25 93							10 29	12	•	•						
5 3 6	1.5	5							-i	-	•							
5 4 4	36.3	27							i	17	1							
5 4 6	2.5	2							1	- i	•							
9 9 9	31.0	7							5	ž								
5 5 6	0.8	0																
5 6 5	80.3	10							5	5								
3 1 3	50.7	25							•	16								
	1.0	0						_	_									
5 # 5	43.2	30 61							•	1.0		1						
5 4 5	199.0	119						•	37	18 41 72	i							
9 10 4	992.9	300						1	37 44 107 32	105	2							
5 10 5	234.4	89						,	107	51								
0 1 2	0.5	4						•	7	";	•							
6 1 3	0. 3	i							•	•								
0 / 3	0.6	3							1	2								
6 3 3	0.2	U							_	-								
6 3 4	0.8	0																
	ú • 6	1								1								
6 3 6	1.0								2	1								
TOTAL	10025.4	11404	0	J	1	20	167	1324	12300	18725	2429	361	45	0	0	0	0	•

TABLE ASS DISTRIBUTION OF GUST LOAD FACTORS FOR THE DOVER AIR FORCE BASE LOGISTICS DROP, SHORT RANGE MISSION DATA SAMPLE

STACK R-ISI-V	BLOCK TIME (MIN)	PEAKS	-0.5 0.0	0.5	0.6	ø. 7	C.S	FACTOR 0.9	DISTRIC	1.5 M110M	1.3	1.4	1.6	1.0	2.0	2.5	3,0
3 1 2 3 1 3 3 1 4 3 1 9	8.4 7.0 17.8 95.1 46.6	306 2246 306		l 3	ì) 0 0	2 4 17 214	23 24 101 648	32 61 119 876	2 44 300	7	25	2				
3 2 3	29.0 54.9 107.0	7 26 153					2	10	•	,	2						
1 1 1	2.0 30.2 22.3	C C 26 14						11	15 10	1							
3 3 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1.7 1.5 1.5	9						2	3								
3 7 5	9.0 0.7 1.5	0 4 12 15						1 2	3	ı							
	1.2 0.4 1.9 2.0	19					2		10 5 2	1		2					
4 3 5	17.3 1.0 12.5	13						15	25	1							
• • • •	0.5 1C.3 74.7							7		1							9.4
TOTAL	566.7	3069	.	•	1.5	• 7	545	756	1204	377	115	31	2	0	0	0	0

TABLE AS9 DISTRIBUTION OF OUST LOAD PACTORS FOR THE DOVER AIR PERCE BASE HISCOLLANGOUS HISSION

9FOCK R-101-V	BLOCK TIME (MEN)	TOTAL PEMIS	-0.5	0.0	0.5	0.6	0.7	10AD 0.0	FACTOR 0.0	elstal 1.1	1.2	(6) 1.)	1.4	1.6	1.0	2.0	2.5	3.0	
! ! ! ! ! !	1.5 0.6 0.3 1.9	35 16							12	22	i		1 :						
2 2 3	4.6 4.4 2.5	14 74 62 29				1	1	3		79 79 65 11	12	5	i						
	19.9 0.9 17.9 6.1 32.6	202 20 10 5					1	•	• 1	103 3 19	11 9 10	1	1						
1 1 5 1 2 2 1 2 3 1 2 4	126.3 69.0 49.6 112.2	664 64 27 736				1	3	32 1 35	265	323 34 10 179	42	12	2						
3 2 5	212.5 1.0 4.4 19.4	1510 2 7 13	•			3	14	75	133	÷	110	22	3						
	31.2 43.6 0.5 9.2 3.5	165 310 0				1	•	21	47	132	35 15	;	2						
	4.0 17.5 0.8 1.4	70						1	2 -		1 3								
	1.2 0.4 0.3 0.2 0.7	10						1	ĭ	1									
	9.0 12.3 33.4 1.0	133			ı		1 2	10 4	**	24	14	2							
	10.0 1.0 11.0	10						1	į	16									
TOTAL	50.9 900.3	30 4418	•	•	1	7	31	217	1697	2297	343	92	13		•	ø.	07	ö	

DISTRIBUTION OF OUT LAND FACTORS FOR THE PARTY LAND FACTORS FOR THE PARTY LAND FACTORS LANDSCORE AND MARKET MISSION LANDSCORE AND LANDSCORE LANDSCORE AND LANDSCORE LANDSCORE AND LANDSCORE LANDSCORE AND LANDSCORE LANDSCORE

							8074 8										
OF OCK	TIME (KIR)	PEARS	-0.5 0.	• • • •	0.0	0.7	9.0	0.1	l-i	L.E	''i.,	1.4	1.6	1.0	2.0	2.5	3.0
	4.2 29.9 4.0 97.6 42.4	25 16 20 94				1	1	10 10 3 5 11 10 10	17	1 1 3 1 4							
2 3 4 5 2 4 5	2.6 1.5 4.0 7.6 5.2 0.5	22 20 0 0				1			•	i	ì						
2 4 6 2 5 9 2 5 7 2 6 7 2 6 9 2 6 9 2 6 9	7.0 0.2 2.5 1.0						1	;									
	1.0 24.5 24.0 1.0 17.9	10						1 17	24	2							
1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.0 0.5 32.6 11.1	1 0 0 20 0					i	1 32 7	**	;							
3 2 5 3 3 3 3 3 3 4 3 3 5 3 4 2 3 4 2	1.4 1.2 72.9 127.3 94.6 12.6 6.0 6.9 24.5 36.0	73 246 122 64 5				1 2	?	2) 95 49 2)	48 130 54 22 4			,					
	24.5 36.0 10.5 12.6 53.3 2.3	125				2	:	35 35	37 60 1	:	1						
3 4 4 5 5 7 4	4.2 18.8 67.9	4						10 10 10 10 10 10 10 10 10 10 10 10 10 1	2 20 4 107	1							
3 7 3 3 7 4 3 6 3	14.5 176.7 45.7 31.0 3.5 254.6	350 104 0		1	1	2	14	149	143	21 7	•	1					
3 10 4	254.6 1.0 23.0 143.3 99.5 2.3	75 64 5				2		22 21 2	47	2							
4 1 4 4 2 3 4 2 3 4 3 3 4 3 3	0.2 0.2 3.5 1.0 16.9	25 25 21 9						:	2 14 2 17 5 6								
4 3 4 4 3 5 4 4 3 4 4 3 4 4 4 4	8.5 8.8 4.8 9.8 35.4 56.9	13 36 2 10 05 45			ı	1 1	1	15 1 2 36	33	2	1 2	1					
	11.5 32.7 1.5	11 54					3	26 20 7 25	23	3							
	24.8 1.0 06.2 2.5	63 1 32		1	1		•	20 1 10	55	12	1						
7 7 8 4 7 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2.0 24.0 1.0 06.2 2.5 197.3 40.0 0.3 0.7 1.7 0.7 1.3 2.2 2.0 7.5 40.0 0.5 0.3 0.7 1.5 40.0 0.5 0.3 0.7 1.5 2.2 2.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0	141 81 81 80 80 80 80 81 81 81 81 81 81 81 81 81 81 81 81 81		2	,	•	12	34	10	12	•	2					
1 1 1 1 4 1 1 4 1 1 4 1 1 7 1 1 7 1 1 7 1	0.7 1.3 2.2 3.0 2.0 7.5 4.0	14						:	11 10								
5 0 4 5 0 5 5 10 4 5 10 5 6 1 2 6 1 3 6 2 3 6 3 3	137.0 95.0 40.0 0.5 0.5 0.5	73 94 97 1				1	î	3 6 17 29 29	10 96 46 73 1	10	2						
	1.7 1.5 2.5 2.5 2.5 3.1 3.5							1									
TOTAL	2671.3	3100	•	•	•	27	117	1117	1441	147	35	•	•	•	ı.	•	•

			34			1.5	DATA SA	W.E									
0100E	TIME (MON)	PEARS	~J 64	6.5	0.6	0.7	0.0	PACTOR 0.0	orster 1.1	evi ion 1.1	16)	1.4	1.6	1.0	2.0	2.5	1.0
	14.9 207.3 20.7	110			1	;	1 31 14	317 42 1	- 401 33	71	7	2					
	2236.7 201.0	7517 1000 130			1	11	100	276.2 672 44	4104 900 50	421	20 14 2	ì					
	0.6 19.6 4473.0 1930.0 1123.4	21 19003 11740 6531		;	11	2.5 2.0 1.00	903 621 919	4027 4101	11 9494 9736 3412	760 936 934	1 63 140 199	20	2				
2 3 4 1	144.3 10.1 0.3 170.1	1037		1	10	722	**	2196 209 10	300 24 353	137	4	i	ī				
	427.3 614.9 604.9 00.3	796 1119 2261 2497 207		1	10	11 42 50 7	67 163 202 27	415 749 661 114	484 986 969 117	104 274 273 13	22 81 77	17 37 2	3	1			
2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	02.3 399.6 496.0 720.7 94.3	10 203 995 1413		1	1	17	10	90 333 311 30	425	94 105 3	23	;		1			
	97.4 994.7 1277.6 1290.2	539 1994 2456		1	;	19 27	32 190 142	10 221 741 904	239 917 1009	34 140 199	7 17 35	1	2	•			
2 72 2 73 2 74 2 75	70.8 30.2 306.4 1496.3 1499.6	12 412 1797 3091		1	2 2	2 15 14	7 91 124	170 625 1254	205 205 921 1450	112	4 11 15	•					
	74.1 3.0 10.6 199.3	191			,	ĭ	ïi	2 45	10	1	ï	1	1				
2 10 2	117.9 60.0 11.9	114 77 20 2		1 2	1	1 2	7 3	49 32 5	56 35 12 2	5	1	1					
2 10 1	41.3 30.4 10.5 792.0 115.4	70 2473 362				2	**	100 205	38 1440 200	225 45	10	2					
	44.0 4200.1 1377.3	14367 14367 6330 951		1	3 3	24 21	227 229 294	5210 2420 100	19 7012 3056 213	735	43 54 19	2 9 7					
3 2 5	3.6 0.4 9.2 9109.4	125 10 14 22100		1	i	22	202)] 5 6504	11919	100 27 6	·;	į	1				
)))))))))))))))))))	10744.6 2933.5 423.0 26.7 390.4	32303 15110 3197 313 655		10	30 30 15	116	1309 1130 260 44	12100 9030 900 75 257	10000 6350 1200 63	2446 1865 498 59	267 394 122 19	27 117 37	1	1			
	1122.6 1426.3 1417.9 64.5	2126 4996 122		;	14	22 44 72	114 373 245	730 1517 1167 30	1078 1003 1470 50	181 569 369 21	36 123 01	*3 31 2	2 2	1			
3 5 2 3 5 2 3 5 4 3 5 4	0.2 204.2 1130.3 1200.1 1003.0	32 304 2011 3454		;	:	1 10 27	2 3 131 217	25 155 796 1344	25 219 954 1700	155 294	24 53	11	2				
3 5 7	77.2 1.1 174.0 1944.3 3040.7	131 0 31 497 3300		1	•	·1	12 17 178	16 199 1298	14 220	19	2 35	17	1				
1 1 1	74.4	4696 240 14		ž	5	*7	247	1726	1645 2191 116 7	347 13 1	**	žž	2				
3 7 3 3 7 4 3 7 9 3 7 6	2994.3 5494.1 4594.0 62.0	724 4091 9726 94 72		:	1	13	11 144 203	261 1901 2152 26 20	428 2109 2942 25 35	\$3 210 210 112	23 50 1	17	1 2	1			
3 6 3	410.0 20.0	2005		1	1	2 35	149	3 27 735 29	***	147	39	26	2				
	10.0 409.2 313.9 105.9	190 190 190			1	;	÷	14 75 129 47	103 171 72	10 10 10	11	;					
1 10 2 1 10 3 1 10 4 1 10 9 4 1 2 4 1 3	100.3 117.6 20.5	144 429 47 777				;	3 26 1 13	90 223 24 299	77 315 492	3 52 5	•	1					
4 1 3	53.0	311					ij	124	199	19	•						

TABLE A42 concluded DISTRIBUTION OF COUNT LOAD PACTOR: POR THE TINNER AIR PORCE DASC TRAINING MISSION DAYA ANGELE

BLOCK TIME (INTH)	TOTAL PEAKS	-9.5 0.0	0.5	0.4	0.7	LOAD O. S	PACTOR	DISTRI 1.1	1.2	(6) 1.3	1.4	1.6	1.6	2.6	2.5	3.0
: 1: 1:	. :						1	:	1							
4 2 1 0.3 4 2 2 540.9 4 2 3 447.1 4 2 4 74.9	3137 2733 304		•	1	ì	67 60 19	1000 1005 100	1763 1440 192	200 107 24	11	1					
4 3 2 050.0 4 3 3 2021.0 4 3 4 951.3	3990 10942 4117		į	1 7	25 26 28	90 244 225 24	1300 2000 1300 246	1953 9429 1915	105 704 421	7 97	17	1				
1 1 1 1 1 1 1 1	837		5	3	20			390	122	27	•	ì				
4 4 2 30.0 4 4 3 431.1 4 4 4 307.4	1425 407			1	:	45 30 70	903	93 471 169	119	;	2					
4 4 5 543.4	1162	1	i	÷	27	ñ	140 304 3	320	110	23	3	3	1			
4 5 2 13.3	44							29								
4 5 4 243.0 4 5 5 402.0 4 5 6 10.0	410		1	•	•	19	140 313	210	**	13	,					
4 4 2 24.8	29 0 29					1	13	10	•	1						
4 4 4 560.5	325 931 36		1		,	26	126	174	15	1 7	1	1				
4 7 2 3.0	34			1		2	10	11	•	1						
4 7 3 104.0 4 7 4 046.3 4 7 5 1914.9	427 1993			2	•	*	140	37 241 820	22 104	18	3	1				
4 7 4 26.9 4 8 3 12.4	17			•	ĭ	• • • • • • • • • • • • • • • • • • • •		i	i							
19.4	101					•	20	**	6							
4 8 4 1.0 4 9 3 32.4 4 9 4 14.0	•				1		· 1	3	1							
10 1 14.6 10 1 10.6	10				1		10	5 7 16	į							
9 1 3 14.7	34 90					1	12	27 32	3							
5 2 2 40.0 5 2 3 92.2 5 2 4 14.0	218 248 31				1	į	100	141 123 15	17	1						
5 3 2 05.1 5 3 3 407.6 5 3 4 170.6	310				•	7	119	176	70	4						
5 3 5 46.3	171			1	:	20 40 14	534 189 44	234	56 15	•	1					
\$ 4.3 \$4.9 5 4.4 72.2 5 4.5 164.5 5 4.6 3.0	22 44 213				1	2 3	7 20 74	13 29 110	23	7						
5 5 3 20.3	17				•	í	7	***		•						
3 3 3 100.0	197					3	20 75	50 105	11	1						
\$ \$ 4 4.1 \$ 6 2 2.0 \$ 6 3 79.0	•						2	•								
\$ 4 4 244.7 \$ 4 5 310.0	203 216			1	3	11	96	102	14			ı				
5 7 9 222.1	•			Ť		1	;	•	1			•				
3 7 4 417.2	491				1	21	221	78 401	*	1						
5 7 6 10.0 5 8 4 15.4 5 8 5 23.0	12 62		1		1	1 3	22	34	į	i 1						
5 6 6 6.2						•			•	•						
5 9 4 40.4	24 10						Ť	15	12							
5 10 4 30.7 5 10 5 14.5	19						5	14								

TABLE AS DISTRIBUTION OF MAT LONG PACTURE FOR THE TIMES ALL MACE AND

								-	-									
970CK 8-101-7	SLOCK TIME (H)H)	PEARS	-0.5	0.0	0.5	•.•	0.7	0.0	PACTON 0.9		1.2	(6)		1.4	1.0		2.5	3.0
; ;;	1.6 11.7 14.0 4.0	4 67 63 52						1	53 59 50 5	23 21 21	23 19							
3 3 4	0.5 0.5 0.5 1.0	1					• •••	-			1	•						
	1.3 1.3 0.2 1.3	į						***				•••					-	
3 4 4 3 7 3 3 7 4 3 7 5	3.5 2.3 3.6 16.1 7.7		2:					15 - 12		1								
	2.2 3.0 20.0 1.0	1							10		: :	•						
100	21.2 1.0 0.4 0.4	1								3	i i	1						
	0.5 1.4 2.0 1.2 3.4								•	}	1							
	0.0 0.5 2.0 2.0	77						1	3	3	*** •				•			
TUTAL	20.5 0.5 211.3	100		•	•	•	٠.	ti.	117	113	is		•	•	:0	•	•	

							-	N.									
OF OCK	OLOCK TIME (MIM)	TOTAL PEARS	-0.0 0.0	6.1	9.4	0.7	0.0	PAC 198	01 570 10 1 - 1	1.2	16]	1.4	1.6	1.0	2.0	2.5	1.0
: ::	13.9	14						•	10								
	19.3							•	14								
	0.0 22.4 17.9	20 13				1	10	10	13	1	,						
	14.5	· ·				•	••	"	*	•	•						
	7.5	•						1	. 1								
	2.0 2.05	10						;	15								
1 11	0.7	27						11	12	3	ı						
	1.3							•	•	2							
	2.0							\$	3	1							
1 7 4	14.4	ì							ì								
	1.5	10							2								
: ::	3.0							•	•								
	13.5	24					1	•	13								
14	14.2 119.7 13.3	515 215				1	2	9	121	5							
111	0.2	10					ı	7	•	,	1						
	240.4 75.9 11.4	301 90 34					2	42	186 32 14								
; ; ;	3.1	34 40 145				ı	1	15	17		1	1					
	309.5 191.0 79.5	239 304 157					1	104	140 167 75	14	1						
	3.4	32		1	1		•	15	ï	15	ı	1					
; ; ;	123.0	200 248			_	3		70	114	15	10	1					
3 11	11.7	31.9		1	2	2	10	100	15	35	1	ı	1				
3 5 5	290.4	44				1	1	\$1 81	113	10	1	1					
	4.3	196				3	2	19	13	2	3	1					
3 4 3	10.0	177		1			i	60	104	٠		•					
3 7 4	21.2 42.8 943.7	140 130		1		•	14	53 210	42	21 25	•						
3 7 4	141.4	75				1	**	. 25	**1	*;							
	1017.6	>2				3	11	150	177	•							
1 11	120.0																
10 3	1032.1	1070		7	5	10	10	120	425	14	21	13	•	1			
3 10 4	2.7 5445.6 129.3 6.4 72.5	2461		1		•	50	740	1546	100	t	1					
	79.5	167					•	57	90 31	7							
: 11	15.6	19				1	•	24	2.0	į	5 7	ı					
: ::	100.0	137 73 96					ł	32	37	3							
4 2 3	4.1	139			2			ij	24 33 47	13	3						
: ;;	303.0	244 221 203						3 32 20 10 27 66 102 02	120 110 120	13	1						
	04.1 203.0 10.6 05.0 3.0	14			1	1	13		120	33	7	1					
4 4 4	123.9	144 154 307			ì	•	1	91 62 77	04 00 103		1 1						
	141.0 6.3	77			1		13	77	101	13	•						
1 11	10.4 20.9 331.4	A			1	1	12		10	, i	1						
	1.5	10				•	15	100	184	19	٠	3					
	15.9	525			8	1	13	23	127	15	1	1					
• • •	1.7	1							•								

DISTRIBUTION OF COST LOSS PACTORS TRAVELS AND PROPERTY OF COST PACTORS LOSS 1915. MINER MISSION

							6649 FR										
97.0CE	OLOCA TIME (MIM)	PEME	-0.1 0.0	0.1	•••	0.7	1000	PACTOR C. O	015701	1.1	(6)	1.4	1.0	1.0	1.0	2.5	1.0
	9.0 31.6 734.0 270.0	117		,	:	13	**	97 200 122	**	23 74 32	1	:	A				
	170	916 760			i	:	56 17	381 277	467	**	1	1					
	9464.9 9021.1 6.6 14976.6	1642			,	;	***	100	1276	***	13	3					
	868.1	107		1	i	\$1	**	2576	35	336	*	•	ì				
	52.1 6.9 6.9	190					ł	33 97 12 4	70 02 23 2	1	1						
	37.9 29.9 21.9 •.3	117				1	3	33 30 31	65 67 53	13	1						
	14.6 63.4 42.1 134.3	19 73 147 303		1	1	3	10	37 57 116	203 203	10 31	1	1	ı				
	1.2 63.7 25.1 293.5	77 13		ı		•	10	186 126	31 176	2 1 37	1	•					
	337.	232		1	2		12	4	.,,	17	11	1		ı			
	12.0	152			1		3	42	į	•	3	1					
1 7 4	14.5 734.0 0.3 1.0	100 705				\$	26	27 266	62 377	11	3						
1 0 1 1 0 1 1 0 1	937.0 1514.9 3714.0 4936.1 9931.5 252.0	301 431 1459 3661 1903		ì	3	10	10 10 64 64	72 193 910 839 673	222 220 044 1590 1027	17 45 130	3 21 16	13	•				
	30.4 41.7 7.0 1.1	10 10 20					1	2	10 10 20 20	;							
	2.4 26.7 15.5 11.2 2.0	36 36 37 37					3	13 17 12 1	10 21 21	5	i 1						
	17.9 27.7 100.4	34 194 7				1	10	63	100	15	1						
	20.5 40.4 105.0 2.3 3.3	19 220				1	;	10	12	24	i	1					
	4.0	ııı					•	43	34	•							
	254.0	**				1		33	93								
	392.0 1.0 59.5 490.0	140				1	,	1	92	•							
	213.2 973.3 741.9 37.9 74737.2	15 96 92 26 30107		24	**	170	1	11	19146	1	205	77	13	2		٥	
					- •									-	7	•	-

TOT

100 0000

PISTRIBUTION OF OUT LONG PACTORS TRAVES ASS PERCE DASE TRAVES ASS PERCES DASE

9-100-A BL OCK	NLOCK TIME	TOTAL PEAKS	-0.1 0.0	0.1	0.4	6.7	LOAD	PACTOR	0157810 1.1	WT10H	16)	1.4	1.4	1.0	2.0	2.5 1). 0
	14.6 903.1 121.6	035 320	,	-		,	11	313 120	2 444 104	36	2		•••	•••	•••		
	15.4 31.3 0.4	237 939 1		1	2	35	115	76	336	**	27	1					
	764.0 937.4 84.0 97.3	721 530 423 230		ı	1	3 3	17 23 22 12	201 199 152 94	400 266 193 111	19 25 46 13	3 3	,					
	9.7 300.2 450.5 321.3 95.7	213 313 377 104			l l	•		130	114 193 105	12	;	1 1	1				
	1.5 13.2 51.1	100				2	1	10	2 1 21 47 24	3	ı						
	0.5 24.7 41.8 2.0	25					ì	12	11	1	ı						
	3.0 22.3 99.6 94.9 37.4	12 67 44 19			ı			27 10 2 2	23 11 23	3	2	1					
	11.0 67.0 6.0 16.0 1990.7	27 1 0 10 2945					1 1	•	1439	131	,						
3 1 3 3 1 4 3 1 9	446.6 152.6 206.7	1319		1	•	12	74 105	405 413 576	499 406 750	74 149 248	2) 1)	;					
	2024.5 1342.0 291.2 227.4	1030 1030 5123			1	7	33 77 45 32	748 748 347 234	1002 1123 493 311 2	103	30 51 15	;					
3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0.3 846.7 2149.3 1674.6 967.7 16.3	244 1415 2444 1747			:	19 19	119 119	142 531 947 900 13	202 761 1165 657 23	14 74 215 194	1 8 2 2 2	1 3	1				
	13.2 162.3 579.7 600.1 11.7	10 12 12 14				1	: ::	114 210 343	239	2 39 62	i	<u>1</u>					
	30.5 83.3 402.6 607.2	20 400 731			*	;	22 34	11	3 33 5 13	2 37 40 1	:	!	ı				
	301.0 1113.6 070.4 0.5	100 020 501 10				ŧ	**	200 200 207	373 306	20	:	;					
	400.0 1043.0 441.7	143					10	99 161 92 2	76 216 101 2	13	1	ı					
; ;;	11-0 400-0 1001-0 401-7 0-0 11-0 11-0 11-0 11-0 11-0 11-0 1	110	1		1	ı	11	37 3 6 7	•	1		1		1			
	91.0 10.0 12.1	110 110 110 110 110 110 110 110 110 110			ı	1					1						
	11.7 10.4 10.6 11.4	136 310 194 131			t		16	02 100 30 30 40 72 72 96 6 8	170 110 75 100 00 47 100 100 274 246 250 110	21 14 14 7 10 20 13 14 20 15	:	<u> </u>					
	171.2 210.4 210.4	170		1			10	111	100	10 11	.:	;					
						ł	ì	**	1119	i	ı	•					
	10.0			•				.;	ŧ								

TABLE A46 concluded
DISTRIBUTION OF GUST LAMP FACTORS
FOR THE
TRANS ASS. SPORT BASE.
TRAINING RESSION
DATA SAMPLE

PLOCK .	MIN)	TOTAL PEARS	-0.5	0.0	0.1	0.4	0.7	LDAD 0.8	PACTOR	Matai 1.1	AUT JON 1.7	14].,	1.4	1.6	1.0	2.0	2.1	3.0	• "
4 5 4	145.2 2.4 16.3	**						1	20	34	L								
* * * *	24.6 68.8 71.0	44					• • •	⊴ ,.		- 18	- 7		1					•	
4 7 3 4 7 4 4 7 5 4 7 6 4 7 6	18.0 73.5 62.3 .2.0	90 93 1							12	4		4 100 000 to						· # #*	. <u>-</u>
4 9 5 1	7.0 40.3 134.3 133.9 120.0	11 87 38 199				•	à.	•	20 13 60.	770 50 63	14								
; i i	0.3 14.7 41.2 2.3 16.3 7.9	11 12	4					·		-	1	1		**					
	8.1 0.6 0.3 13.1 13.2	3	-(,			1		1				-		garangga n (
3 4 3 3 4 3 3 4 3 3 4 9	0.9 1.6 7.9 11.9 0.3 2.4	49		1			1	2	11 11	21	3 	,							
1 6 8 1 6 8 1 7 9 1 7 9	3.0 3.0 31.3 22.0	3 27 24 31							1 10 10 14	14	3	-					- ·	• (1) •	· · · · · · · · · · · · · · · · · · ·
10	10.0 210.7 27.0 20.0 2.0	74 6 1					1	. •	24 l)))		2					•	-	_
• 1 3 • 1 4 • 1 5 • 2 2	1.2 0.2 1.0 1.4	0								1									
6 2 3 6 3 3 6 3 8 6 3 8	0.6 3.3 7.9 6.3	0							ı	2 2	ı								
	3.5 0.3 12.3 0.2 0.3	11910	0	ı."	•	47	/05	1504	1894	1007	2400	Ār"	79	,		ė	•	0	

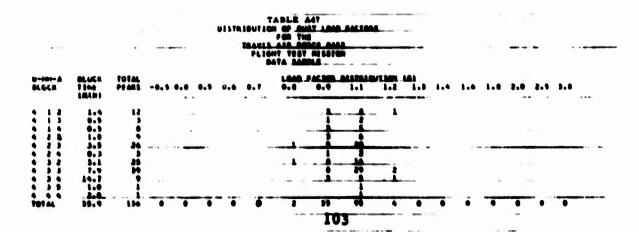


TABLE A46 DISTRIBUTION OF GROUPS OF THE TOTAL OUST VOLCE IT FOR THE CHARLOSTEN AIR FORCE DASC LOCITIES, GROUPS ALOSO RISELON

								00	IA W	MILE												
97 BCH A-101-V	PILES	TOTAL PEAKS	-35 -	30 -1	15 -	20-11	7.8 -	15 -1	12.5	-10	-7.5	01570	HOUTION			•12.5	•19	.17.			5 +5	0.13
	10.5	10										•	•									
1 11	44.0																					
	30.1	•																				
	10.4	•											2									
1 11	26.4																					
	30.7	•													1							
	7.3																					
	14.4 127.3 100.1																					
	i ii.;	277								17	31	47 13	30	4	26	•	3	L				
1 11	19.2	134					Ł	ı		25	10	117	152	Ĺ	•	٠	,	1				
3 5 3	347.5	107					•	Ī	i	-;	iŢ	54	10	115	ij	š	i	•				
	10.9	191						ı	•	14	44	33	95		20	•	i					
3 33	330.0 770.4 577.9	403					ı	ì	1	13	23	134	195	73	20	2	5	5				
3 3 3	300.6	21									1	•	14	ı	•							
	101.3	130						1	1		14 21 13	33	35	23 20 10	10	- 3	3					
	301.0	142								•	13	31	92	10	14	1	3	ı				
	33.5	13									,	12	16	,								
	100.3 1139.7 20.9	105							1	5	į	35	i	į	2							
	197.9	ţ								,	ļ	13	, <u>i</u>	1	1	1			1		ı	
1 11	27.5	7							•	•	1	•	1		•	·	Ĭ		Ī		·	
3 7 1	193.4	70							•	7	33	137	184	33	17	1	ı	,				
	100.3	1								ļ	2											
	2444.7	*							8	1	•	53	50	•	,	1						
	4547.3 9149.7	344					ı	1		5	11	102	191	*	19)	2					
10	120.4	197							1	ı	2	1	44 91	•	1							
10	1941.0	174								10	19		12	į	55	14	2		ı	ı		
: ! !	103.4	200						i	i		11	41	37	36	10	10	•	3		•		
	213.4	107				ı	2	1	•	7	24	34	33	47	17	•		ı				
	72.3	101			1				1	7	**	21	13	20	12	3	2	1	ı			
	21.0 6.6 100.3	•									,)))	•	3	1							
	401.i	136 430 367					i	į	1	13	15	114	100	87 55	23 21	12	•	5 5	1			
1 11	368.7	195						•	i	**	Ť	.45	64	34	13	•	•	i				
: ::	130.0	42							1	3	*	10	37	15	;	3	1		ı			
	1281.0	310					2	,	ì	3	11	79	110	10	17	10	3	5				
													•									
	1407.3	•								1	i.	,;	• •	ı	1							
	1007.0	15									2	10	3		ı							
	94.5	- 1									•	•••	-	•	•							
: ;;	215.4	71									•	20	37	1	l l	1	2					
	101.1												;									
	427.1	*										•	193	4	•							
	1000-0 1000-0	22 201 201 201 200 200 200 201 201 201 2					ı		1	1		17 20 03	193 27 76 149	15	•	ı	ì					
	40.1	494					•				20		245	12		,	•					
10	3116.9	10							1	•	7	144	10	22	10	15	3	,				
	117.5	***							•	•	**	33	31	**	34	14	•	•	1	1		
	101.5	13				L		1	ì	1	**	10	14	15	10			Ł	•			
; ;;	7.3										•		•	1	1							

TABLE A48 concluded DISTRIBUTION OF DERIVED VERTICAL SUST VELOCITY FOR THE CHARLESTON AIR FORCE BASE LOGISTICS, PEOLUM RANGE MISSION DATA SAMPLE

M-MM-A	NAUT ICAL	TOTAL								UDE	DIST	180110	N 197.	/SEC.	1					
BLOCK	MILES		-35 -30	-25	-20-	17.9	-15 -	12.5	-10	-7.3	-5	• 5	.7.5	•10	+12.5	+154	17.5	+20	125	110-35
1 1 1	102.2	30					1	ï	•••	4	•	11	10	1		1				
5 3 4	143.0	64				1	ì	i	1	4	19	53	12							
3 3 3	201.9	63						1		7	19	30	•	5						
3 3 4	11.0	1									•	,								
3 4 4	19.2	•								Ţ				,						
9 4 5	450.9	107						1		•	50	59	13	2	1					
3 4 6	42.5										5	4	5							
2 2 2	11.9									10	16	30	•	2						
2 2 2 2 2 2	811.8 47.7	71							•	10	,	,,,	,	•						
	7.6	i									•									
1 11	1173.4	•								2	•	3								
	23.4	i								-	•	i								
9 7 4	5.0	i																		
1 7 1	1911.1	56					1		1	2	55	23	•	2	1					
3 7 6	7.1																			
	49.1	3										3								
5 . 5	4003.2	50						1	_)	17	55								
3 9 4	31493.0	361			_						104	510	21	. 2	1		_			
3 9 3	21706.4	301			2		1	•	17	23	117	101	34	13	•	5	•			
3 10 4	56183.7	724					•	ı	10	44	553	351	57	LO						
1 10 3	3509.8	72						3	•	5		5	14	21		1				
1 11	110.0	143				1		i	12	25	31	27	i	10	i	- 5	2	1	ı	
	11.2	ii				•		•	•	•••	- 7		1	•••	•	•	•	•	•	
		•							•		_	•	-							
6 2 2	4.1	ě																		
9 5 3	65.4	43				1		•	2	11	19	5	14	•	2	1				
	45.9	45					1	2	,	•	11	50	10			1	1			
	24.0	33							1		11	14	•	5						
6 3 2	4.0											•								
4 1 1	53.0	48				1	3	ı	2		20	33	11		ı,	2	1			
	132.9	101							7	24	•1	110		10	•	2				
	10.7	74							i	• • •	- 1	711	**	i	ĩ	•				
	ii.i								_	•	•		-	_	•					
	0.9	ŏ																		
	765.5	10								5	24	45	15	•						
	48.8										1	7	1							
4 5 3	1.9																			
	9.1										• • •									
	••1•5	**				1	1	•	1	15	55	11	10	,)	ı				
• • •	1131.6								1	3	i	23	•							
* * *	9.0	39							•	•	•	• •	•							
. ; ;	1140.0	97								3	17	27		2						
	110.0									-			-	-						
	3369.2	35					1		4	9	19	13	•	4	3	2		1		
	4101.5	48								L.	10	26	5							
4 + 5	8247.7	93							3	5	10	53	3	1			1			
4 10 4	2904.1	- 11									3	•								
4 10 5	114.1															••				

TABLE A49 DISTRIBUTION OF DERIVED VERTICAL GUST VELOCITY FOR THE CHARLESTON AIR FORCE DASE LOGISTICS, LONG RANGE MISSION

W-HH- A	HAUT ICAL	TOTAL		2021		101.					UDE	DISTR	1 0 1 1 1 0 1	(PT.	/SEC.)					-124		
3 1 3 000CK	#ILES	PEARS 17	-35 -	- 20	13 -	50-7	7.5 -	15 -1	2.5		-7.5	- 3	*5	•7.5	•10		• 1	5+17.		10 +5	•	. 10 - 15
1 1 1	4.4	ii							1	1	•		,	•	1 2	ı						
1 1.	9.4	ii							•	2	1	i		•	•							
1 1 1	12.3	19								ī	-	ē	:	•								
3 3 4	50.5	3										1	1									
3 3 3	9.1	•																				
3 3 3	23.6	•																				
5 6 5	30.4	ĭ										1										
3 7 5	30.4	ě										•										
1 4 5	28.3	•																				
3 9 4	20.9	•																				
3 • 5	10.0	•																				
	17.9	•										•	•									
4 10 4	2720.9 17.9 4999.8	25										15	•	2								
	297.8	9										•	•	•								
1 1 1	1530.2	1										ı										
3 10 4	2663.9	1										1										
1 10 5	6.1	•																				
1 2 2	1.4	•									1			•		1						
. 23	5.8	ij								2	•		2	3								
. 2 4	0.0	•								-			-	-								
6 3 3	3.0	•									1		1		1							
	7.7	•							1		1	1	ì	5								
4 3 5	13.4	14									1	3	•	1								
	1.5	•									•	•	•	•								
4 5 5	52.4	š											2	1								
	10.0	•																				
	10.0	•																				
1 1 1	48.7	•																				
. ; ;	77.5	15											10									
	104.0	33							3	3	3	10	10	•		4						
	146.2	•									_											
	150.5	•										_										
O 10 4	13356.9	210						•			14	78	77	25			27		127	727		
			•		•	•	•	•	•	•		••	• •	47	•	•	•	U		•	0	•

DISTRIBUTION OF DURITUDO VERTICAL GUST VELOCITY FOR THE CHARLESTON AIR PONCE DASE TRAINING WISSION BATA SAMM

						94	TA 34	MPLE											
SFOCK N-HH-V	HAUTICAL HELES	PEAKS	-35 -30 -2	5 -20-	17.5	-15 -	12.5	-10	-7.3	01576	TOUTTO	* (FT.	/SEC.	*12.5	+15	•17.	· · 20	+25	+ 30+ 35
	19.6 199.7 199.9	2222		;	1	10	53 13	144 27 1	252 39	100	910 91 3	***	212 34	100 15	20	17	٠	1	
2 1 5	1471.0	1007					29	01	223	1	545	3+3	140	40	17				
	784.8 319.0 23.4 7.9	1348 279 3		1	i	ţ	ij	13	124	332 70	434 76 2	295	108	27	2	5		1	
2 3 1 2 3 2 2 3 3 4	1.7 624.7 614.6 200.1	1 279 399 134				2	•	10 3 3	25 32 12	69 107 41	1 96 152 57	47 5-	20 21	;	i	1			
	101.3 9.2 54.0	110			1		1	3	•	22	51	19	5	5		•			
	199.7	14							1	5	•	1	1						
2 1 1	44.6 112.7 45.6	11								2	3								
	116.9	ï									5	2							
2 7 3 2 7 5	00.7 305.9 617.1	29 79 11					L		5	14 33	13	3							
2 1 3	233.0	2								1 2	7								
2 0 0	3.4 131.9 740.9	•								ı									
2 10 5	3.0 12.4	13					1	2	2		1	2	2	2	. 1				
3 1 2	1915.4 700.5 68.1	5272 1026		1 1	23	92 11	35	300 73	742 254	168 127 48	475	993 296 13	515 139	210 61 2	14	49	51	•	•
1 11	257.2	16		_	_	ı	1	1	5 2	27	37	15	1	2	1				
3 2 2 3 3 2 4	3402.0 622.4	2794 4589 764		3	2 5 1	25 3	37 51 5	125 206 19	372 505 92	1093	804 1439 254	514 619 113	204 299 43	63 97 11	31,	2	3	,	
1 2 3	710.7	457				2	2	ii	56	107	205	02	24		•	-	•		
1 1 1	749.1 2494.7	554 1968		1	Į.	2	21	29 72	197	172	156	76 325	27	16	10	l l	i ì		
3 3 4	1264.1 999.5 79.2	466			1	2	16	16	66 36	217 100	315	153 75	49 25	19	10	ì	•	:	
3 4 3	20.2	15							1	2 2	2	3		1					
3 4 4	399.1 999.2 46.9	179 147 12				1	1	2	12	43	75 73	24 15 1	3	3	3				•
3 5 2	5.7 25.4	•								2	-	1							
3 5 4	397.4 1075.5 10.3	70						3	7	20 31	25	3	5						
3 4 3	1629.9	134								39	70	1	Ş		ı				
3 4 4	2250.2 22.4 934.4	115					1	2	11	35 2 10	57 22	1 3	2						
3 7 4	3306.6 3457.1 84.6	253			1		1	3	1 7 15	50 70	70	7 27		3		1			
3 1 3	261.2	17							1		;								
3 11	1496.9 5.4 231.0	94						1	•	26	21	•							
3 9 5 3 10 3 3 10 4	1765.4 5.4 2920.9	20			1			1	•	11	•	3		ı					
\$ 10 \$ \$ 1 1 1	269.5 6.1 175.4	10				1			2	•	3		1	2					
	175.4 115.7 7.3 3.5	272 17		2	3	ì	23	12	62 42 3	92 54	61 61	125	72 28 2	19	25	11	•	• 1	ı
4 1 5	137.6	10 130 247				1	ı	5			4	ai 21	12	1 2	3	1	1		
1 11	272.2 150.2	144		ı	1		;	•	20	3 20 54 47 22 3 25	54 53	41 24 13	15	•	2	1	1		
: ;;	131.4	200 200 200 203 123			2	2	•	1	13	25	40 04 53 33 4 15 50 01 53	34 34	14	l •	ļ	1			
	191.1 502.2 459.3	263				ì	5	13 5 7	25 25 5	64 67 34	50 93 33	32 52 13	11 11 5	3 2	1 3 1		1		
: ::	7.6	•					-				2				•		•		
: ::	56.0 554.7 24.6	137					2	1	11	42	10	55 75	•	2	2		ı		
	6.4 107.9 766.2	20						ì	,	11	3	•	i ì	2			ı		
		-							•	**	44	•							

CHARLESTEN AIR PERCE BASE

									-														
14-104-	A MAUTICAL	TOTAL	1272		. Cur							UDE	0137	AIBUTIO	I IFT.	SEC.)						00000
OL OCK	PILES	PEAKS	-33	-	51		29-I	7.5	-15 -	-12.5	-10	-7.5	-5	+5	+7.5	+ 10	+12.5	+15+	17.5	• 21) +25		30 + 35
4 5	22.1																						
4 4	110.4														-								
	110.7	- 6																					
• •	101.1	43											21	18	3	1							
	1930.1	63			•						•		10	10 10 35	ě	2							
A A	11.3	TX									•	•	•••	•••	•	•							
7 7																							
• 7	10.5																						
4 7	10.2	92									1		20	10	14								
4 7	1200.0	81										I I		39 39 37	- ::								
7 -												•	27	34	**								
• •	2254.6	48										2	10	37	•	1							
4 7	93.1																						
A 6	09.1	•																					
7 7		•											_	•									
	72.0												Z	•									
4 1	0 30.0	11										1	•		1	1							
	3.0											-	-		-	-							
•	179:1	- 6												L.									
4 9	460.1	•																					
4 10	272.0											•	1	1									
4 10												•	•	•									
					_	_						222		22.5				200		5.			
TOTAL	30454.4	31447		•	•	ı	29	63	166	483	1373	3531	7482	9344	5325	2250	890 3	104 1	27	55	14	2	

TABLE ASI DISTRIBUTION OF BERIVED VERTICAL GUST VELOCITY FOR THE CHARLESTON AIR PORCE BASE RISCELLANEOUS RISSION DATA SAMPLE

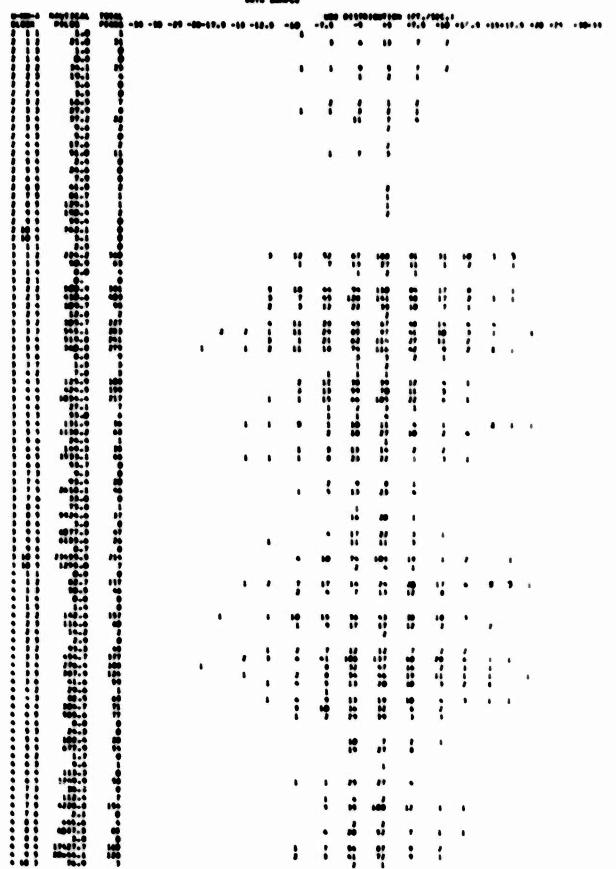
								DA	TA SA	MPLE	21 m											
N-HH-A BLOCK 2 1 1	MAUTICAL MILES 1.1	TOTAL PEAKS	-35 -	. 30 -	25 -	20 -1	7.5	-15 -	12.5	-10	-7.5	DISTA	IBUTION +5	(FT.)	/SEC.)	•12.5	• 15 •	17.5	+20	•25	. 30 - 3	15
1 1 1	43.6	37					1		ı	1 2	i	:	13	•	9	5						
1 11	1.1	10							1	_	-	•	1	1	_							
	20.4 67.2 577.8	13 105					1		1	1	1	30	1	* 7				1				
	101.6	33									;	12	ij	ŕ	1		ı					
2 3 4	131.0	17									1	1	•	2								
	14.4 39.7 14.2	\$										1	i	3								
3 1 3	146.8	231 231						1		1	12	15	153	17	1 2							
3 23	357.1	15								2	1 2	2 7	11	5								
	762.9 1492.2 19.3	192							\$	2	13 29	141	183	33	10	5						
	25.7 50.2	•							1		1	2	1	1			1					
3 3 3	133.5	120								1	l 6	21	32	•	ı							
	13.6 214.9 476.8	15 24								2	1	7	3 0	5								
1 11	115.0	- 1									•	2	1	2	1							
3 3 3	414.7	30									•	7	14	•			1					
	74.7 601.0 13.2	33								1	į	15	15									
3 7 3	470.2	į											2									
1 11	11.3	21						1		1	•	3	2		, Z	•	1	1	1			
	16.1 36.4 101.2	99 29					1		ì	1	2 7	24	7 10 52	12	10	1		1		1		
: ::	11.5	•						•	•	•		••	1	•	•							
	175.0	92								1		10	•	10	1	1						
	13.6 223.2 357.3	62 10 35 26									1	12	19	3 2	1							
1 11	7.1	:									_	1		_	ı							
	202.6 35.0 79.7	22									1	•		•								
	196.6	ij								1	1		17	ı		1						
	479.7	10									1	3			1							
TOTAL	12.6 101.0 11011.0	1909	•	•	•	•	3	3	15	27	126	400	049	179	54	15	•	,	1 1	•	•	

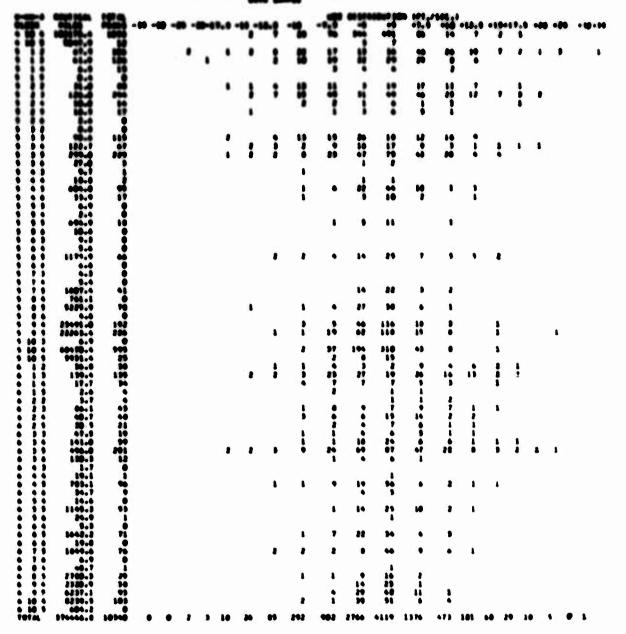
PLISTA TOOL POST OF TABLE AND TOTAL OWST VELOCITY FOR THE CHARLESTEN AND PORCE GASS PLISTA TOOL SISSION

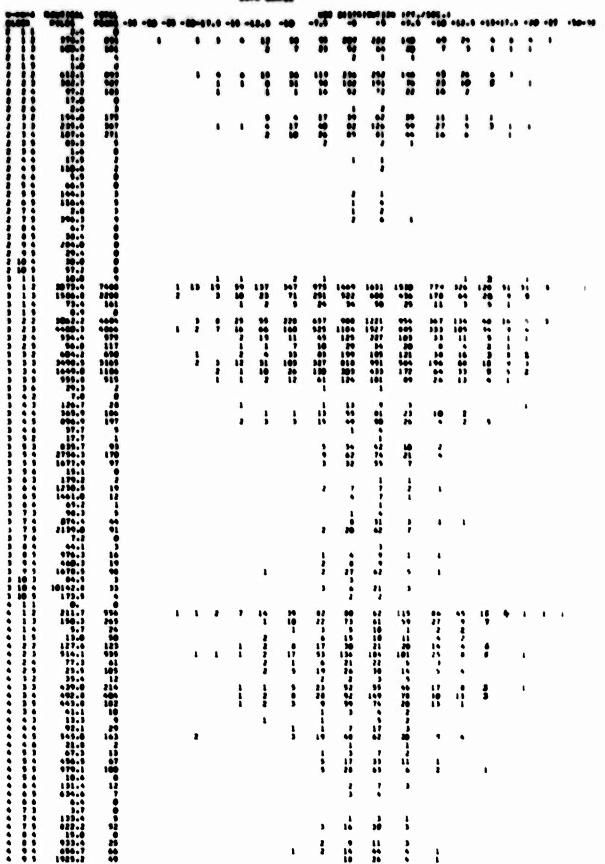
M-100-A	MANT ICAL	1014									100	91570	10VT 100	100 .	1996.1							
01.0CE	MILES	PRARS	- 36 -	M -M	-2	-17-1	-14	-11		-10	-7.5	-4	•		•44	.12.5	.150	47.5	+20	.25	+10-15	
1 1 2	3.7	1	1117	-								2			100							
3 2 2	2.5	2										2										
1 1 1	0.4	4										1	2									
1 1 4	7.1	Ĭ.		1.5								Ĭ	-									
3 3 4	20.7	i											1									
4 1 2	4.3	24							1	2			•	•	•	2		1	1			
4 1 1	1.0	-						1	ĭ	•	Ĩ		l.	1		-	-	_				
4 1 4	0.7	ī						•	•					Ĭ								
4 2 2	4.1	44						1	•	10	7		1 1	10	•	1	1					
4 2 3	0.4							-														
4 2 4	0.4 7.1 90.7 4.3 2.0 0.7 6.3 6.4 1.2 3.0 41.9 M.1	ě																				
4 2 5	3.0	Ť										i i	•									
4 3 3	41.9	12									1			2	2	1						
4 3 4	34.1	•								_	1)		_								
4 3 5	47.1	9											•	- 1								
4 1 4	0.6	•																				
4 4 3	13.3	•																				
	9.3	1											1									
	24.5	3										1	;									
	0.6 13.7 9.3 34.5 3.7	2										1										
4 5 5																						
	1.2 1.4 19.3 205.3																					
	1.4	1										ı										
	19.5	•									1)										
TOTAL	205.5	102	•	•		•			•	13	14	34	**	36	13	•	9		1 .		•	

TABLE ASS DISTRIBUTION OF GORIVOS WESTICAL OUST VOLCESTS FOR THE CHARLESTER AIR FORCE DASE AIRCRAFT TRAINING DISSION

U-04-A	mays ICAL	1014					1			w		-104710	101.	/506.1						
BLOCK	PELES	PROFIT	- 73	- 10 -	n •			M -12.	- 16	- 7.	-	• • •		• 10		- 15	 	• 25	. 96	98
3 1 5	3.2													1		-				
3 2 2	3.4	•																		
, , ,	5.1																			
3 2 4	10.5 00.7 20.2	i i																		
) ; ;	00.7	•																		
3 3 4	20.2	•																		
, ,,	34.4																			
3 4 5	10.9 90.4 0.0	10																		
3 5 5	10.4	1										1	-							
. 1 .	0.0	•																		
4 1 3	0.0	•																		
	1.1	•																		
	1.0	•																		
	72.0	•																		
	71.5	•																		
TOTAL	100.7	2)	•	•	•	•	•	•				34			•	•		•		







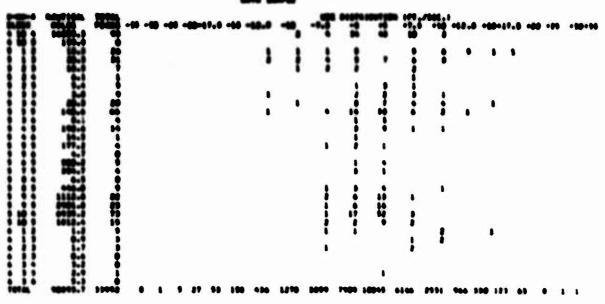


TABLE AND PROTECTION OF SERVICE SMETICAL COST VOLCELLY FOR AND AND PORCE CARD LOSSIFICE SERVICE SAME PROTECTION

									70 94													
01.054	PH 01 10.7	107 4	-10	10	.	10- 1	7.1	-19 -	13.5	-10	-7.1	04970	1001 Cm -9 10 -9 12 -72 -73		14C.1	.11:0	•16•	17.5	• 20	•25	. 10.11	á
1 1 1	14.0	90						L		3	•	10	4	- 10								
1 1 4	10.0 62.0 111.7 93.1 93.5	110					ı			1			72	- 30	10				-1			
1 1 1	411.7	1476				8	ı	•	31	50	179	140	470	2 34	**	-	18	•				
1 11	99.1	•								ı		•	*									
	95.5	10										•	•									
2 4 2	111.1	10																				
1 11	•19.5	•									L	10	21	,								
	6.1																					
1 11	140.4	14									1											
1 11	100.0										•	•	;									
1 1 6	7.6 7.6 0.2 0.0	ě											•	•								
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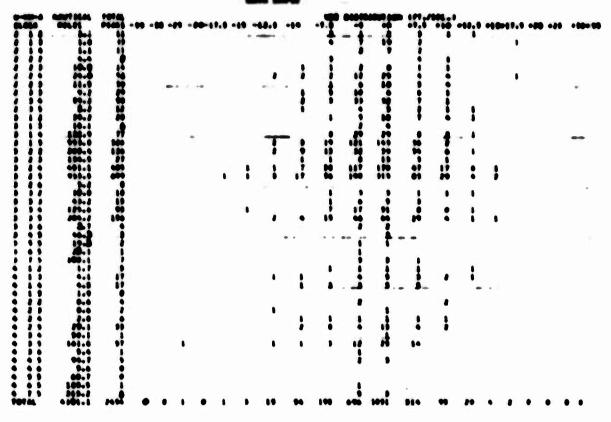
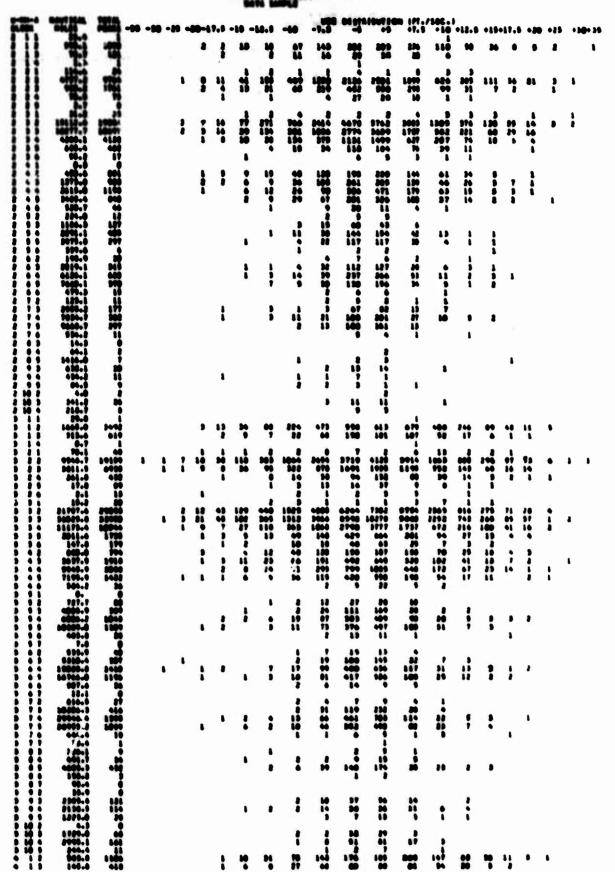


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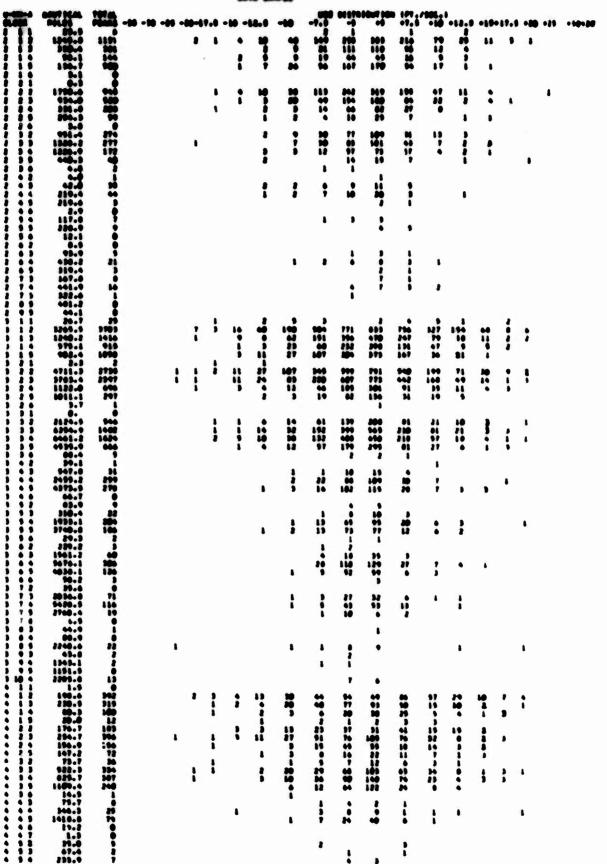
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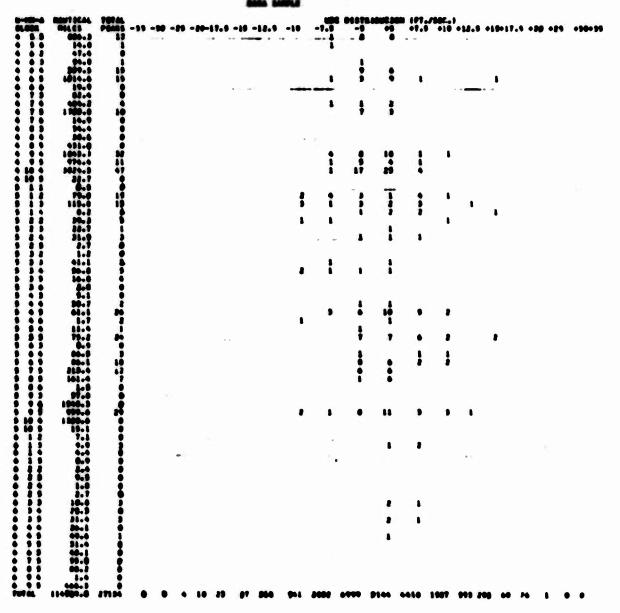
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APPENDIX B LEAD-THE-FORCE FLIGHT LOADS DATA

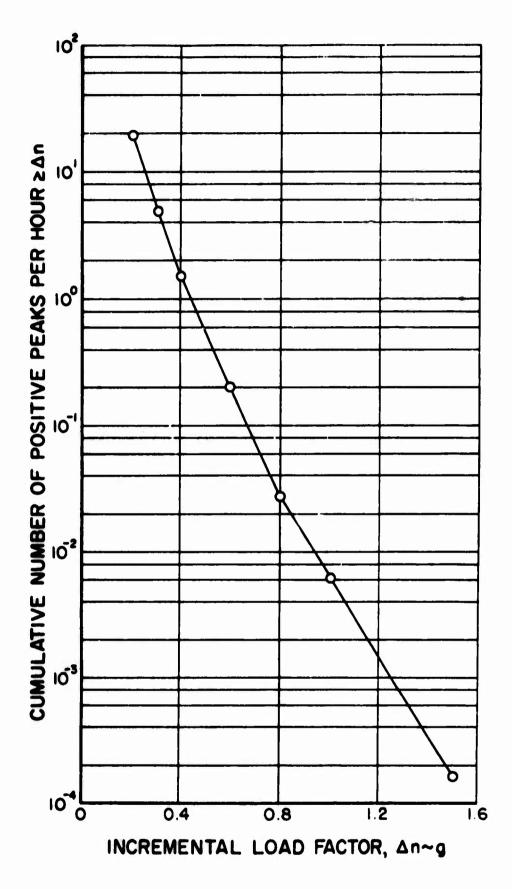


Figure B1. Positive Maneuver Spectrum Obtained from 6,076 Flight-Hours of Lead-the-Force Flight Loads Data

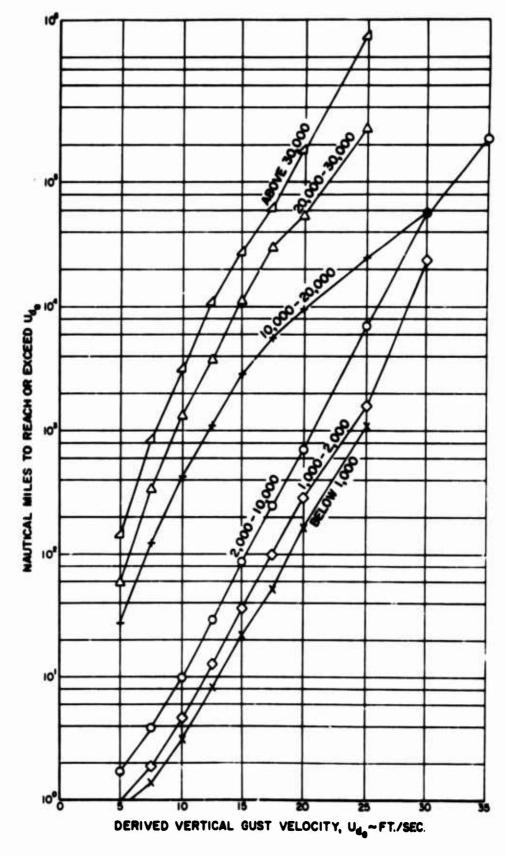


Figure B2. Positive Gust Spectrum by Altitude from 6,076 Flight-Hours of Lead-the-Force Flight Loads Data

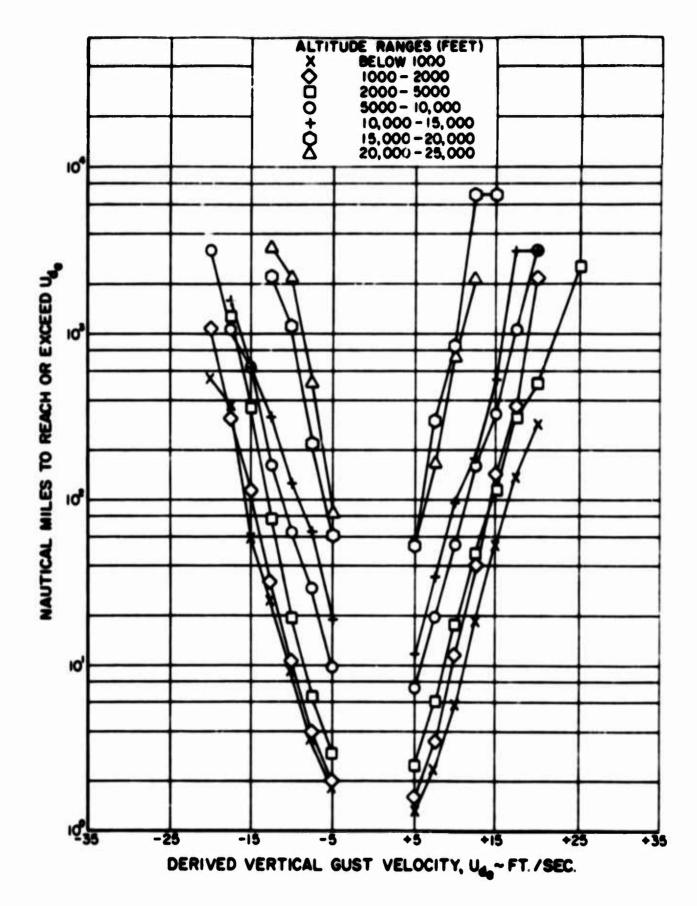


Figure B3. Gust Spectrum by Altitude Obtained from 646
Flight-Hours of LTF Data Acquired at Charleston
Air Force Base (Refer to Table B1)

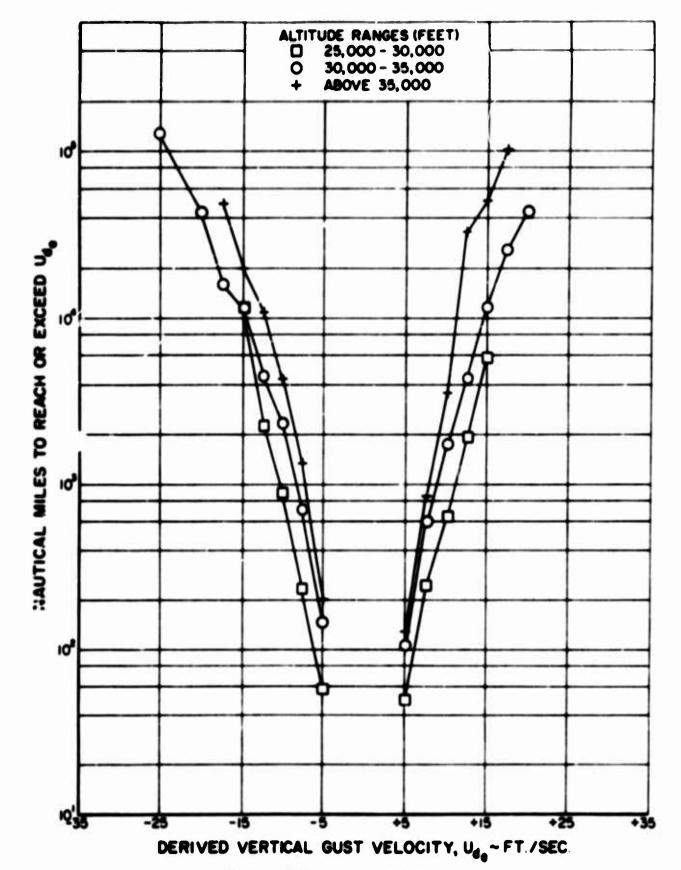


Figure B3 --- concluded

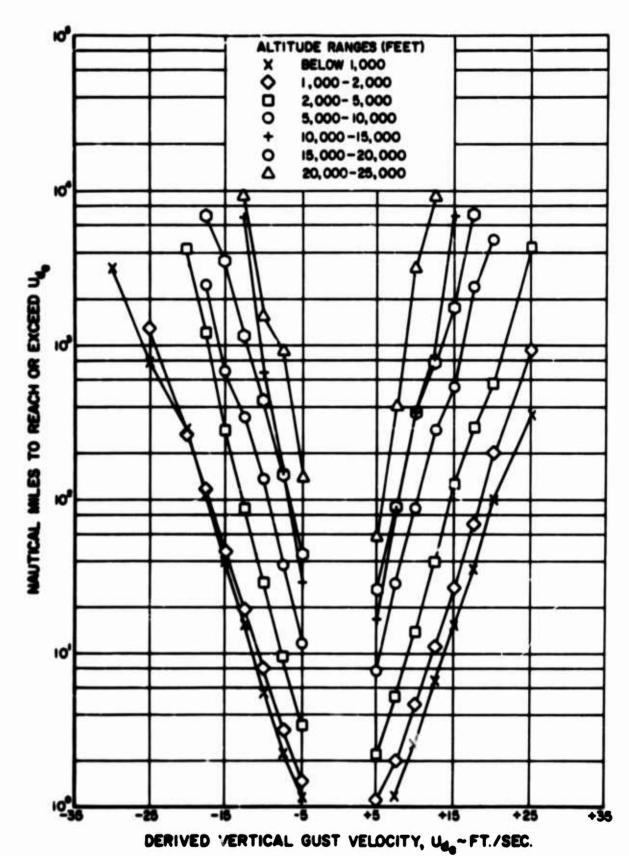


Fig.re B4. Gust Spectrum by Altitude Obtained from 960
Flight-Hours of LTF Data Acquired at Dover
Air Force Base (Refer to Table B2)

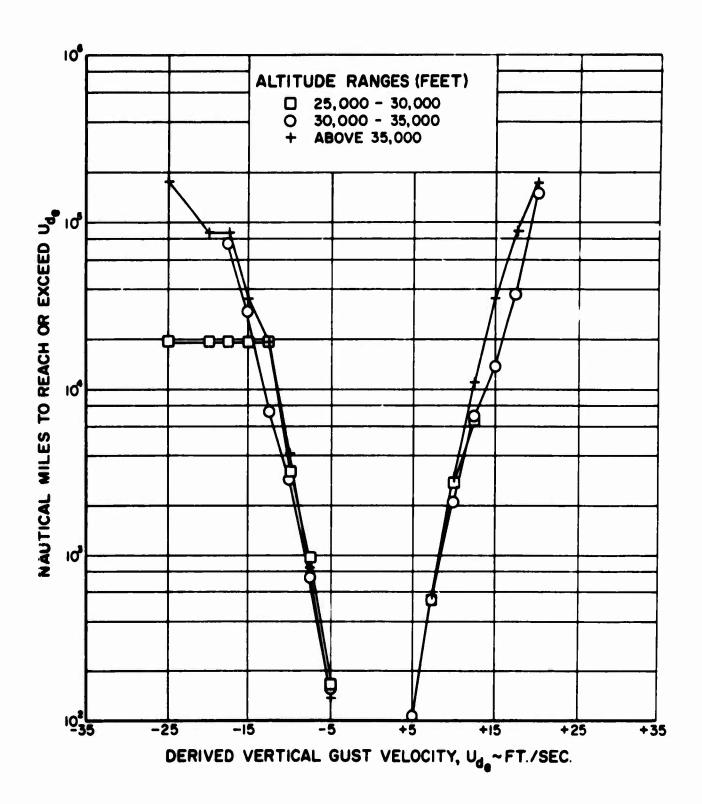


Figure B4 --- concluded

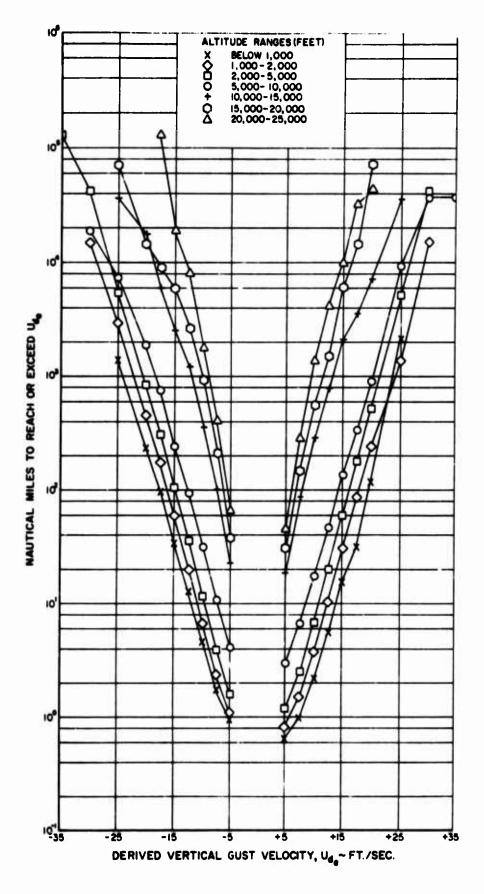


Figure B5. Gust Spectrum by Altitude Obtained from 1,949 Flight-Hours of LTF Data Acquired at Tinker Air Force Base (Refer to Table B3)

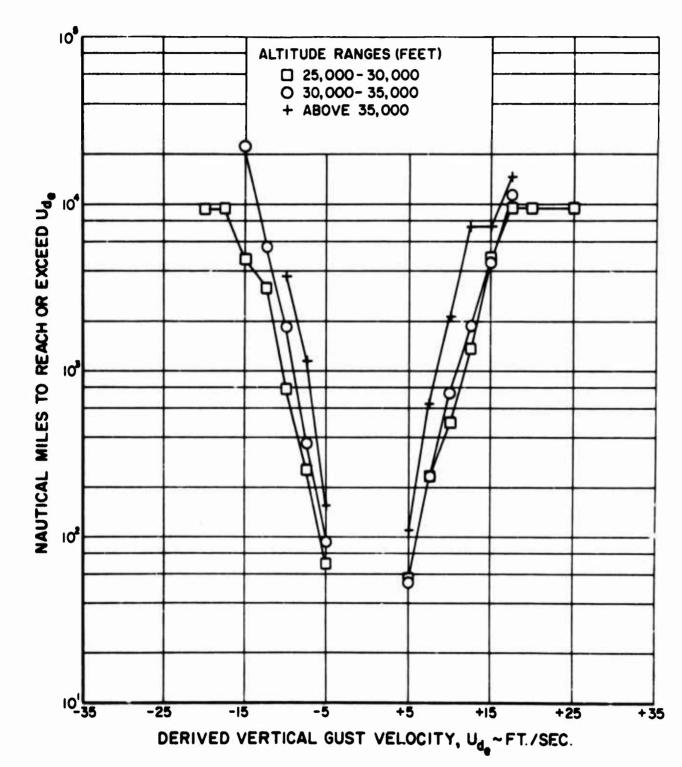


Figure B5 --- concluded

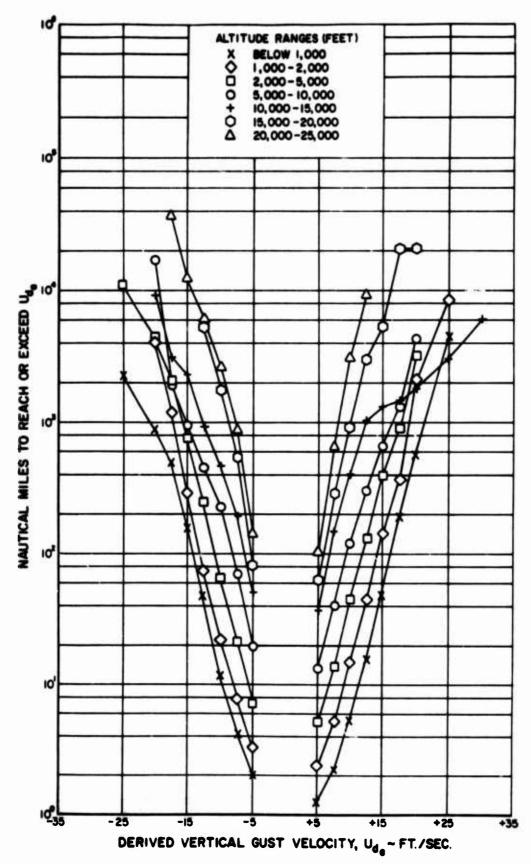


Figure B6. Gust Spectrum by Altitude Obtained from 2,521 Flight-Hours of LTF Data Acquired at Travis Air Force Base (Refer to Table B4)

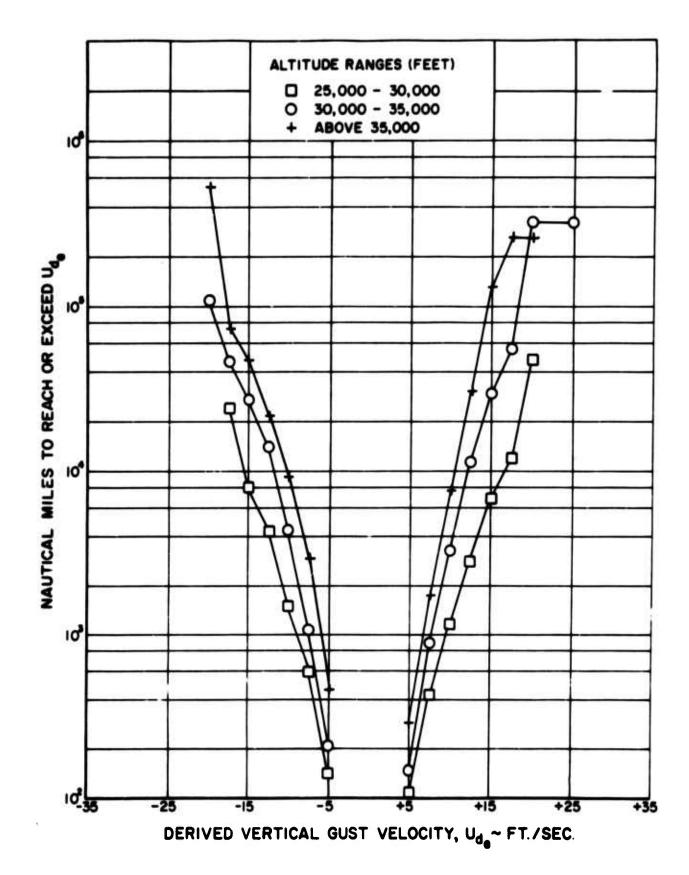


Figure B5 --- concluded

CHARLESTER ASS CARREST CONTROL OF VELOCITY POR THE CHARLESTER ASS CARREST CONTROL OF THE CHARLESTER ASS CARREST CARRES

ALTITUES	£ 1574066	1014									06 010	****	100 II	1./500	. 1						
(1000 97)	ia biresi	PRANT	-39	-10	-19	-10	-17.1	-19	-12.5	-10	-7.9	-1	•	•7.9	•10	-11.1	•61	11.	-01	•85 •86	>
PELCO 1	1104.3	1442				1		10	27	77	109	292	100	200	134	**	13	•	•		
1 70 2	2147.7	2443					•	12	40	137	390	134	790	499	139	10	•	•			
2 10 5	2505.2	1071						•	20	*	200	***		270	-8	34	14		•		
9 fo 10	3107.2	777				1		2	15	30	60	227	270	102	40	10	•		1		
10 16 19	1134.3	437					8	•	9	19	24	121	174	44	19	17	•				
15 10 20	6741.3	237							•	3	25	19	105	14	7						
20 10 21	4534.0	199									10	••	76	91	•	•					
25 fu 30	11400.0	441						1	•	•	34	191	194	20	12	•					
10 10 15	170337.4	2107			L		•	•	17	27	127		1612	144	45	19	•	1	•		
40CYE 35	*****	1250						3	•	14	91	419	491	••	29	1		•			
TETAL	202407.1	11500			4	7	19	45	191	400	1117	2046	+197	1497	911	197	10	17	84	•	

DISTRIBUTION OF DERIVED VENTURAL SUST VOLCETTY BY ALTITUDE FOR THE BOYER AIR PEREF DASS DATA SAPPLE

ALTITULE	LISTANCE	1014								06 015		110m 41	71./SEC.						
(1000 77)	IN MILES		-99 -1	0 -5	5 -50	-17.1	-19	-12.1							•12.	• 11	₩ 1 7.	1 +10	+89 +10+11
metcu 1	3147.5	1057			,	10	50	125	141	.12	1394	1100	1417	765	262	117	••	29	•
1 10 2	6454.0	10267		5	19	31	01	196	476	1847	2330	2049	1022		100	147	41	89	
2 10 3	4992.7	4403			2	•	23	67	196	504	1092	2222	1047	309	149	30	14	10	
1 16 10	4020.0	1049				2	9	7	52	90	296	450	119	30	•	•			
10 10 11	****	633						1	•	34	100	334	60	14	7				
15 10 20	4454.2	424				L		4.	10	33	100	192	50	10	•		ı		
20 10 25	*****	231						ı	•	4	97	141	20						
25 10 30	1901.0	310		L					•	14	99	150	20	•	•				
10 10 15	144440.4	2307						15	38	140	748	1100	200	90		•	•		
ABOVE 19	173179.9	3054		1	1		3	4	25	101	1044	1507	230	44		•	1		
TCTAL	304671.4	11027		10	29	99	170	420	1199	3101	1076	10414	9032	2129	001	101	141	•	10

TABLE BS CISTOSOUTICA CO CORRIVES VERTICAL GUST VOLCCITY AT ALTITUD POR THO TIMOS AND PORCE DASS BATA SAPPLE

ALTITUCE 11600 FT1	I ISTANCE	101AL	- 35	- 10	-25	- 2	D- 1 7	.5 -1	5 - 12.	1	06 01	10100				+12.5		B + 1 7		a •21	•30•3
							•	•													
oerce i	4167./	11095			•	19	26		704	477	1514	2619	2404	2207	1140	493	146	93	34	2	
1 10 5	2+157.C	47140		7	•	**	167	324	194	2942	0012	14104	10070	11761	5050	1917	.26	220	104	20	2
2 10 4	175313.7	100514		1	20	129	242	196	7347	7347	71456	47614	10723	11471	17371	4230	410	462	217	22	3
* 1C 10	34976.1	71247		,	•	19	29	104	741	199	7272	9919		1401	1120	104	145	70	37	3	1
16 14 15	15104.4	3454			1	1	•	•	35	69	297	1195	1935	769	14	29	7	9	•	ı	
15 16 20	71093.4	4241				•			15	42	276	1577	1001	158	81	37	7	4	1		
10 TL 25	177070.3	4035						•	•	11	744	1471	7414	140	67	10	•		,		
25 EL 10	1401.0	365								•	25	101	127	71	12	•	ı			1	
10 16 34	22214.7	458							3	•	49	179	171	67	1.	,	,	2			
49CVL 35	146/9.7	220								•	•	•?	110	10	5			ı			
10131	. 14441.2	295846	ı	4	34	220	412	1310	1044	11670	14276	71717	P9013	500 10	70150	72402	375	050	400	49	

TABLE B4 COSTRIBLICA OF ORNIVER VERTICAL OLS I VELCCITY OV ALTITUDE FOR IME TRAVIS AIR FORCE PASS CATA SAPPLE

ALTITULE	LISTANCE	10104							u		IRIPLI	-	T./SEC.	. ,						
116CC +11	IN MILESI		-35 -	10 -55	-30	-17.5	-15	-17.5	-10	-1.5		• • •	.7.5	+10	.12.5	+11	+17.	.50	•51	+10+35
PPLCM I	4447.2	4704		,	•	4	19	••	281	707	11.14	1740	1101	954	143	••	19	7	ı	
1 10 5	4401.5	6150			2	•	22		267	710	1402	1901	1035	167	1 30	30	19	3	1	
2 10 5	72277.1	7491		2	3	•	19	•1	249	170	2042	2745	1125	120	114	32	10	7		
4 FC 10	17110.0	2105			ı	•	•	3.0	31	170	434	880	284		Ħ	13	•	•		
10 16 14	14144.5	.71			2	•	2	12	20	50	271	180	00	50	•	ı	3	•	3)
15 16 76	70961.5	991						•	•	27	210	260	91	10	,	3		1		
20 16 25	14444.6	414				ı		•	•	20	215	101	44	•	•					
25 16 10	47194.4	199				2	٠	•	21	50	264	335	70	29	LO	3	•	1		
10 IC 15	322259.4	1755			3	•	•	11	45	550	1799	1445	700	70	10	•	•		Ł	
serve 35	120102.9	/944			ı	•	•	13	12	120	450	1543	354	91	1.9	5		2		
1814	1619558.7	31179		•	19	40	04	279	977	1010	8449	11000	4343	1555	250	164	72	29	•	3

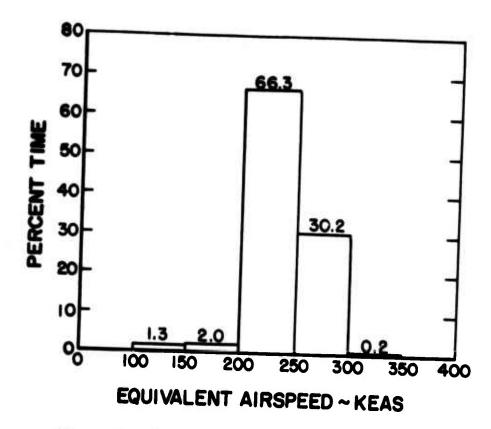


Figure B7 Percentages of the Total Flight Time
Spent in the Various Airspeed Bands for
Logistics Medium Range Missions

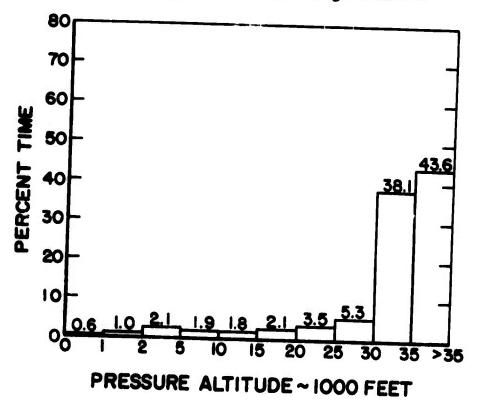


Figure B8 Percentages of the Total Flight Time
Spent in the Various Altitude Bands for
Logistics Medium Range Missions

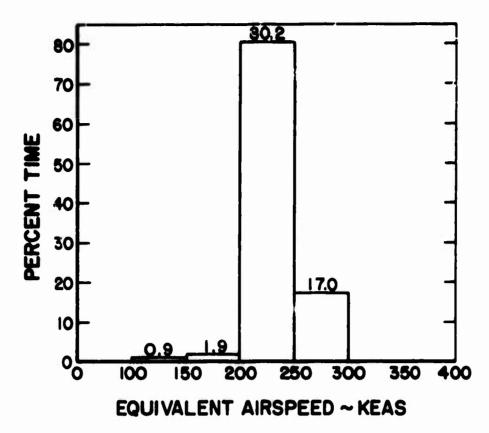


Figure B9 Percentages of the Total Flight Time
Spent in the Various Airspeed Bands for
Logistics Long Range Missions

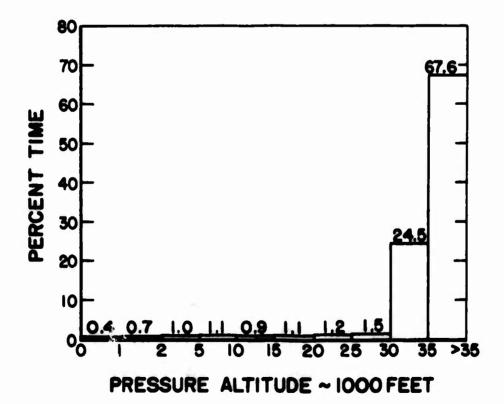


Figure B10 Percentages of the Total Flight Time
Spent in the Various Altitude Bands for
Logistics Long Range Missions

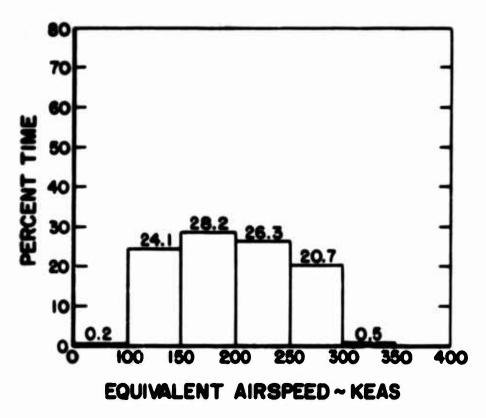


Figure B11 Percentages of the Total Flight Time
Spent in the Various Airspeed Bands for
Training Missions

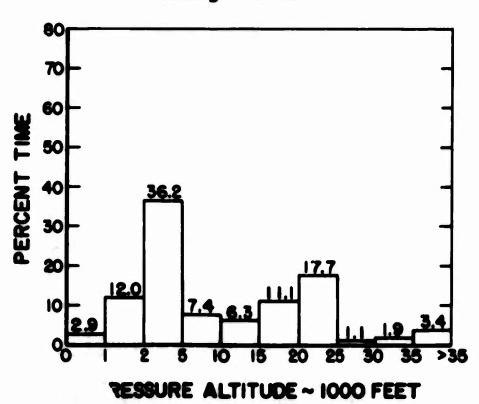


Figure B12 Percentages of the Total Flight Time
Spent in the Various Altitude Bands for
Training Missions

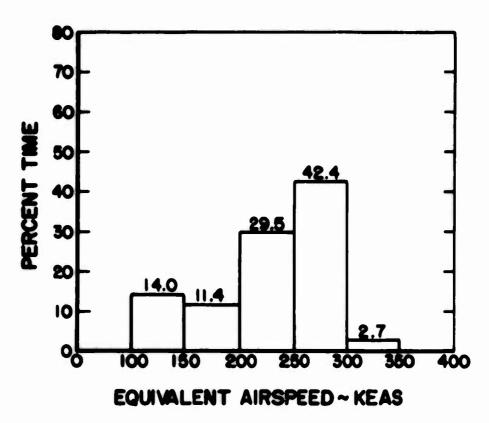


Figure B13 Percentages of the Total Flight Time
Spent in the Various Airspeed Bands for
Miscellaneous Missions

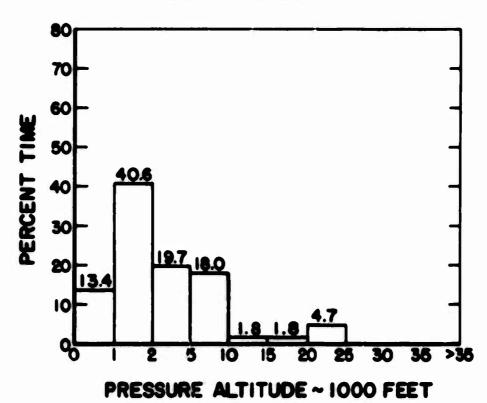


Figure B14 Percentages of the Total Flight Time
Spent in the Various Altitude Bands for
Miscellaneous Missions

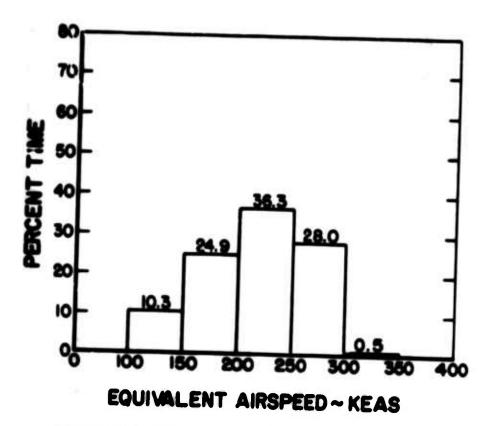


Figure B15 Percentages of the Total Flight Time Spent in the Various Airspeed Bands for Flight Test Missions

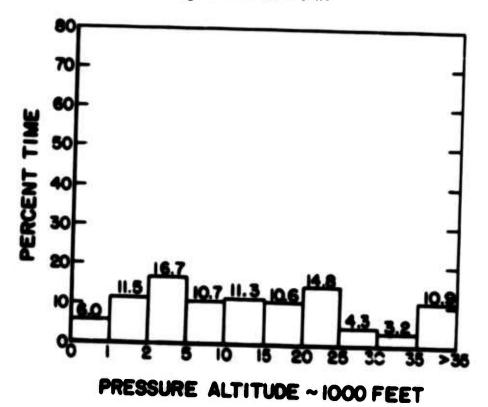


Figure B16 Percentages of the Total Flight Time Spent in the Various Altitude Bands for Flight Test Missions

TABLE BS DISTRIBUTION OF TIME (MOUNS) OF ALTITUDE AND ASSESSED INCOMMENTS POR TIME LOSISTICS, REDIUM RAMSE RESSION

4145PB40 (RPAS)	9610m I	1 10 2	1 10 1	9 TO LO	ALTÍTUDE 10 10 15	(1000 FT.) 15 TO 20	20 10 25	25 10 30	30 TO 35	ABOVE 35	TOTAL	PEACENT TIME
9470A 100	•.	0.07	••			•.	0.		•.	•.	0.02	0.00
100 10 150	11.01	16.43	12.24	1.41		•.	0.01	•.	•.	•.	43.11	1.20
150 10 200	6.76	12.17	20.54	7.24	1.23	0.04	1.00	2.67	0.12	7.94	65.91	1.96
200 10 250	0.00	3.33	17.00	14.27	5.59	4.17	19.98	9.00	734.07	1430.01	2233.47	66.16
250 10 300	0.11	0.97	13.70	37.71	50.74	44.44	101.07	100.00	949.34	20.40	1017.49	10.21
100 TO 150	0.	9.02	0.70	0.03	2.99	0.56	0.07	9.02	•.	•.	5.64	0.17
150 IN 400	•.	••	•.	••	0.00	•.	0.	••	0.	0.	0.00	0.00
ARIME GOD TOTAL PERCENT	0. 21.31 0.63	9. 92.99	0. 71.19 2-11	6. 62.08 1.67	6. 60.11 1.70	9. 71.03 7.13	0. 119.27 3.54	0. 176-57 5.25	0. 1203.54 30.14	0. 1444.02 43.76	3343.63	0. 100.00

TABLE B6 DISTRIBUTION OF TIRE (MOURS) OF ALLITUDE AND ALREPTED INCREMENTS FOR THE LOGISTICS, LONG RANGE MISSION

4145PE+D (4645)	SELOW 1	1 10 Z	2 10 5	5 70 10	ALTITUDE 10 TO 15	(1000 ff.) 15 TO 20	20 TO 25	25 10 30	30 TO 35	480YE 35	TOTAL	PERCENT TIME
06FAM 10U	0.	•.	••	0.	••		•.	•.		٥.	0.	0.
100 10 150	1.49	1.01	0.01	0.00	0.02	0.01	•.	•.	•.	••	4.20	0.91
150 10 200	0.52	0.90	1.13	0.39	0.11	0.15	0.04	0.07	0.	1.01	0.43	1.00
200 10 250	0.02	0.14	1.22	1.63	0.40	0.17	0.15	0.22	59.12	100.00	364.15	00.21
250 10 300	0.00	0.07	1.92	2.73	3.40	4.54	5.15	4.54	52.04	1.04	77.10	17.00
JOO 10 150	•.	•.	0.00	0.01	0.03	•.	•.	•.	•.	0.	0.04	0.01
150 10 400	•.	•.	•.		•.	•.	•.	0.	0.	0.	0.	0.
400VE 400	0.	•••	0.	0.	0.		0.	0.	•.	0.	0.	0.
PERCENT	0.44	3.19 6.70	4.40	1.00	0.00	1.00	1.10	1.30	24.48	306.98 67.67	454.01	100.00

TABLE BY OISTRIBUTION OF TIME INDUIS) BY ALTITUDE AND ALREPED INCREMENTS FOR THE TRAINTING MISSION

4105PEE0 (6865)	OfLUM 1	1 10 2	2 10 5	5 70 10	ALTITUDE 10 TO 15	11000 FL.1	20 10 21	25 TO 30	30 70 35	480YE 35	TOTAL	PERCENT TIME
041 OH 100	0.67	2.00	0.47	•.	••	•	••	••	••	0.	3.41	0.15
100 10 150	49.30	171.03	290.27	4.67	4.47	3.10	5.96	0.34	0.19	•.	538.40	24.11
150 10 200	10.42	07.25	364.77	39.41	11.29	91.00	62.65	1.93	0.19	4.54	429.70	20.20
200 10 250	1.33	5.44	123.94	93.42	40.42	102.98	170.10	1.91	104	44.67	107.49	26.31
250 10 100	1.76	1.33	23.46	61.05	60.44	100.00	199.10	19.12	23.90	1.59	461.59	20.67
100 10 110	0.10	••	0.10	2.50	2.23	2.00	3.45	0.05	•.	•.	11.93	0.53
350 10 400	••	••	••	0.01	0.00	•.	••	•.	•.	•.	0.02	0.00
400rt 400	0.	••	••	0.			0.	•.	••	•.		•.
101AL PEGE 841	11.00	18.01	900.40 30.81	7.30	141.00	11.07	17.71	23.30	1.93	77.00	2132.00	100,00

TABLE DE
DISTRIBUTION OF TIME (NOURS)
BY ALIITUDE AND AIRSPEED INCREMENTS
FOR THE
MISCELLAMEOUS MISSION

ATRSPEED (KEAS)	BELUW L	1 70 2	2 10 5	5 TO 10	ALTITUDE 10 TO 15	(1000 FT.) 15 TO 20	20 10 25 <i>2</i>	25 TO 30	30 10 35	ABOVE 35	TOTAL	PERCENT I PF
8EFOA 100		0.	0.	0.	o.	0.	0.	0.	0.	0.	0.	0.
LOO TO 150	0.22	0.88	0.11	0.	o.	0.	••	0.	0.	0.	1.20	13.99
150 10 200	0.05	0.61	0.32	0.	0.	0.	0.	0.	0.	0.	0.96	11.40
00 10 210	0.41	1.25	0.53	0.35	0.	0.	0.	0.	0.	0.	2.54	29.49
250 10 300	0.46	0.72	0.40	1.14	0.12	0.16	0.37	0.	٥.	0.	3.65	42.40
000 FO 350	0.01	0.04	0.05	0.05	0.03	0.	0.04	0.	0.	0.	0.23	2.49
50 f0 400	0.00	0.	•.	0.	0.	0.	••	0.	0.	٥.	0.00	0.04
BOYE 400	0.	0.	••	0.	0.	0.	0.	0.	0.	o.	0.	٥.
PERCENT	1.15	3.50	1.69	17.96	1.84	1.04	4.74	o. o.	o. o.	0.	0.61	100.00

TABLE B9 DISTRIBUTION OF TIME (HOURS) BY ALTITUDE AND ATROPED INCREMENTS FOR THE FLIGHT TEST MISSION

AIRSPEED (REAS)	BFLUW 1	1 10 2	2 10 5	5 70 10	ALTITUDE 1		20 TQ 25	25 TQ 30	30 TO 35	400VE 35	TOTAL	PERCENT
REFUM TOO	0.	0.	0.		0.	0.	0.	0.	0.	0.	0.	0.
100 TO 150	0.57	0.54	0.40	0.	0.02	o.	0.01	0.	0.	0.	1.50	10.11
150 10 200	0.35	1.04	1.54	0.44	0.25	0.01	0.14	0.	0.	0.01	3.00	24.86
200 10 250	0.00	0.12	0.30	0.66	0.76	0.73	0.89	0.11	0.24	1.44	5.54	36.33
250 10 300	0.	0.02	0.23	0.51	0.44	0.63	1.21	0.55	0.25	0.	4.29	28.02
300 TO 350	0.	•.	0.00	0.00	0.02	0.03	0.01	0.	0.	0.	0.07	0.48
150 TO 400	0.		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ABOVE 400 FOTAL PERCENT	0. 0.92 0.01	0. 1.76 11.40	0. 2.55 10.68	0. 1.64 10.69	0. 1.73 11.33	0. 1.62 10.56	0. 2.27 14.03	0. 0.66 4.27	0. 0.47 3.19	0. 1.67 10.94	0. 15.31	0. 100.00

TABLE BIG DISTRIBUTION OF MANEYVER LEAD FACTORS ______ FOR THE CHARLESTED ALS PROCE BASE LOCISTICS, MEDIUM ALONG RISSION

							BATA JAM	PLE						
BLOCK B	1 IPE	PEARS	-0.5 0.0	0.5	0.6	0.7	LOAD (L.Z		1.4		2.0	2.5	3.0
72 12/27														
	::	į					2	-1			•			
1 11	1:5	:					1		•					
1 1:	1:3						•	_L						
	4.0	•												
1 11	1:3	:												
	1:1	:												
111	1:0	:						1						
	10.0	•						•						
111	40.5	ţ				1	L	•		1				
1 11	110.0	•					2		1					
	24.1	12					2	16	3					
1 11	29.5	1					1	1						
1 11	#::	35				ł	:	11	10	1 2				
1 11	14.3	12				•		3	1	i				
1 11	77.0	41			1		į	27	7	1				
	1.0	10				_		13	2					
	20-1 117-9	10				1		13	1	4				
1 !!	1.0													
	207.4	20					•	13	2	1				
; ;;	3.4	1						1		-				
1 11	120.0	15					3	7	1	1				
3 4 4	22.2	•				_	5	2	2					
, ,,	2.0	30				2	•	17	2	1				
; ; ;	1172.4	17				7	:	20	3	1				
	1594.1	10					10	•						
: 11	23:5	•						•						
	0.2	•						2						
111	\$2.1 \$4.0 7.7	11					1			1				
	0.7	2					•	ž						
	11:3							. 7	1					
1 11	17.7	13					ť	16	•					
	4:3	11					3	12	1					
: ::	94-0						2	•						
111	13.7	15 15 2 10				1	i	11	1 2	1				
: ::	11.0	10				_	•	2						
1 11	.1.1						i	i	ı					
1 11	1.0	3				•	19		•	:				
3 3 3	4291.0					i	iğ	2 17 31 10	•	2				
111	7030.4	- 4				2	14	30	1	1				
; ";	20.0	÷					2	5 2						
: ::	13.7	:						2						
1 11	19.5	:					ı	•						
1 1:	3.0	1					-	į	1					
1 11	15-3						•	10						
1 11	35.4	**				2	•	30	7	1				
1 11								13	_					
1 11	1.0	55 282 168 0 7 2 0 0 6 5 4 0 5 4 0 2 2 4 0 0 8 10 16 3 1 0 0 7 2 0 0 0 10 16 3 1 0 0 7 2 0 0 0 10 10 10 10 10 10 10 10 10 10 10					•	4.3	2					
: ::	139.5	:					1	;	;					
; ;;	***	10												
1 ::	344.2	14					1	10	4	L				
1 11		1					1	24	•	1				
1 11	6460.6	**		2	4	÷	13	12	1	i	2			
444444478454447844444444444444444444444	\$24.0 4291.0 1194.1 7630.6 20.8 13.7 1.1 1.4 10.5 22.7 22.7 25.4 2.8 105.6 1.9 22.7 22.7 22.7 23.0 1.0 20.9 120.9	46												
1 10 5	3.0	•		2	,	1	18	29	•	•	2			

DISTRIBUTION AND PORCE SAFE CHARLESTON AND PORCE SAFE LOCISTICS, REGION SAME WISHOM

ereck A-MH-Y	OLOCK TIME (MIM)	TOTAL PEAKS	-6.5	•.•		0.6		6.0		1.3	1 10UT	100 ((1.6	1.0	2.0	2.5	3.0
	19.3	7			•			1	i							
	1.0 25.2 6.6 5.0	15						:	•	1						
	5.0 0.0 39.7 51.3 2.2 9.1	25					1		14 32 8 8		1 1 2	ı				
	132.0 1.6 21.7 137.9	0 0 12						4		2	1					
	158.6	31 3				1	3	1	12	3	1	1				
	148.5 7.0 197.2 658.5 324.8 267.6	14 15 20					1 1		7	1	2 1 5	1	1			
TOTAL J	267.5	1427		0	•	•	146	279	er 3	176	49	7	1		0	•

TABLE B11 DISTRIBUTION OF MANEUVER LOAD FACTORS FOR THE CHARLESTON AIR PORCE BASE TRAINING MISSION DATA SAMPLE

	DATA SAMPLE														
BLOCK H-HH-A	BLOCK TIPF (MIN)	TOTAL PEARS	-0.5 0.	0 0.5	0.4	0.7	L040 0.0	FACTOR 1.2		R 10UT			2.0	2.5	3.0
2 1 2	7.0	19					2	19	2						
2 2 2 3	40.9	41				1 2		31 10	ļ						
2 1 2	15.9	ii				•	5	.,	ı 1						
2 3 1	17.6	26				1	i	19	ij						
3 1 1	33.9	.0													
3 1 3	173.7	31 11				1	•	21	5	1					
3 2 7	60.4	56				1	•	44	2						
3 2 3	31.5	45 17					•	50	•						
5 5 2	24.5	26				•	2	10	3	1					
3 3 3	25.9	37				•	i	27	- 4	•					
2 2 4	17.0	73				1	12	39	10	3					
3 3 5	1.4	5						2							
3 4 4	i.;	15			2	1	3	4	3	2					
3 4 5	13.0	10			1	ī	•	10							
3 4 4	1.0	ş							1	ı					
5 5 5	4.4	ĭ					2	4	2						
3 4 4	1.0	1						1	-						
3 6 5	9.5	5				2	ş	1							
1 13	1.5	17				2	11	•							
1 0 4	0.5	3				ī	2								
3 9 9	23.0	27			1	_	10	7	4						
3 3 3	2.5 1.0	1				1	3								
3 10 4	247.0	7					ż	9							
4 1 2	0.5	1						ı							
4 1 3	0.5	0						•							
4 2 3	5.2	15					2	i	3	1					
4 3 4	1.2	1						1							
4 1 5	0.8	3						ı	5						
4 4 5	2.0	ž						2							
4 5 4	1.0	1						1							
4 5 5	4.0	0													
1 1 4	1.4						3		ı						
4 6 5	4.0	3				1	2	_	-						
4 7 5	54.0	1						2							
4 10 5	390.0	í						•	1						
5 1 7	1.3	3						3							
9 2 3	1.5	1				1									
3 3 4	1.0	i					ı	ı							
5 3 5	1.4	4					ž	1	1						
3 4 4	1.6	0							_						
3 3 3	2.5	6					ı	•	1						
5 6 5	4.5	4					1	ı	1	1					
5 7 5	7.0	0								-					
: ::	35.0	0													
5 9 5	4.0	0													
5 10 4	204.0					••		•							
TOTAL	1400.2	412	0 0		•	51	121	306	70	10	0	0	0	•	0

TABLE 312 OTSTATIONTION OF MANAGEMENT COMP PACTORS CHARLES STATEMENT OF THE COMP OTSTATIONS OF THE

	CATA SAMPLE															
OFOCK A-181-V	OLOCA TIME (MIM)	TOTAL PEARS	-0.5	•.•	0.5	0.6	0.7	1.0	PACTOR L.2	1.3	L	1.4	"1.0	2.0	2.9	3.0
; ; ;	9.7 2.2 1.6	:						8	ŧ	2						
	1.2	1						1	į							
1 11	30.0	10						1	15	9	•	1				
	7.0 9.0 19.3	10 27						•	16	3						
1 1 1	1.1 2.0 22.2	30					ı	19	10		1					
1 1 1	26.2 0.5 0.2	71					2	i	12	ì	1	ı.				
3 2 3	44.1 37.4 44.4	35						1	16	,	,	ı				
3 7 4	40.0 2.5 4.5	10					1	2	•	ï						
	12.3 21.5 20.1	25 15						•	17	3	2					
; ; ;	2.0 10.6 52.7	12 12 31						;	21	1						
	0.5 3.0 2.5							2		1						
	0.4 0.9 G.7	1						-	3 5 1							
	0.1 0.5 0.5							•	2							
	0.3 2.7 2.6	ı						1	•	ı						
	15.6 2.0 4.5	i							1							
	2.0 7.0 22.0	1					,	ł	1	1	1					
TOTAL	2.5 514.6	344	•	•	•	0		74	190	46	16	•	•	•	•	•

TABLE BIS DISTRIBUTION OF MANEUVER LOAD FACTORS FOR THE CHARLESTON AIR PONCE BASE PLIGHT TEST MISSION BATA SAMPLE

								DATA SM	PLE							
SFOCK A-INI-T	OLOCK TIME (MIM)	TOTAL PEAKS	-0.5	0.0	0.5	•.•	0.7	1.0A0	PACTOR 1.2	1.3	1.4	1.4	1.6	2.0	2.5	3.0
3 1 2 3 1 3 9 1 4 9 2 4 9 2 9 9 3 9 4 9 3 9 9	0.0 9.2 0.3 0.9 0.1 2.5 0.9 2.4	1 9 9 1 7					1	1 2	•	1 1	ı					
1 4 1 3 9 4 3 9 9 3 6 4 3 6 9 3 7 4 3 7 9	1.4 2.0 1.0 6.4 1.7 5.5	5 1 2 6					1	1	:	ł						
3 1 4 3 10 4 707AL	1.0 7.0 3.5 1.0 27.3	10	•	•	•	•		19	1	10	•	•	•	•	•	•

TABLE 314 015703047100 OF MANDAVER LOAD FACTORS FOR THE 00490 ATO FORCE GASE LOGISTICS, ROSSANDLE 0074 SAMPLE

9-10-4 91 9 CR	01000 1100 1101	TOTAL PEARS	-0.1 0.0	4.5	•.•	0.7	L000	PACTOR 1.2			•	2.0	2.5	3.0
; ;;	10.4	1						1						
	13.2 3.7 1.0	•						1						
1 11	*:3	į					•	1						
	3.3							2						
	1.7 10.3 0.7	ţ							ı					
	1.0	į						·	•					
	1.0	17				1	•	;	2					
1 11	4.0	0.00					2	•						
	51.5						3	2						
; ;;	22.5 2.3 9.0	;					2	į,						
; ;;	14.0	0					1	Ū						
2 10 1 2 10 4 3 1 2	1.0 135.0 76.9	1					,	12						
3 1 3	27.2 7.4	37					į	24	2					
3 23	173.3	22 31				1	5	16	1					
; ; ;	27.5 1.6 92.2	19					•	17	2					
3 3 3 3	100.0	57 /1				2	15	38 54	2					
1 1 1	1.9						11	43	13	1				
1 11	43.3	2				2	10	12	2	1				
3 4 3	7.7	50				1	14	31	4					
3 3 3	1.0 29.6 157.9	17 35				ı	1	10	1	1				
3 3 4	12.7	:				·	•	4		•				
	30.0	25				1	10	11	2	ŀ				
	236.3 7.7 19.1	*			1	1	12	26 1	i	2				
3 7 3	4.5	51		1		ı	15	29	•	1				
	323.0 0.5	47				i	13	24	•					
	1300.4	94 27				1	19	41 15	11	2				
3 18 5	140.2	74 11			1)	22	44	3					
	40.7 24.0 2.9	14				1	i	23 15	2					
: ;;	22:1	3			1		4	3	•					
* ; ;	31.4	17				1		3	.1					
A 1 A	76.1)i				1		23	16 15 5					
4 4 3	31.4 64.8 70.1 93.6 9.6	39 89 17 1 14 71 6 8 11 20 2				1	1	11 23 50 0 1 12 42 5 5 10 12 1		2				
	91.4	7				2	ni.	ij	•					
4 9 3	5.9 4.5 25.0 117.0 4.1	11					1	10						
A A 1	4.1	7					,	ï	i					
4 4 4	22.0 144.1 0.5	19					1	14						
* * * * * * * * * * * * * * * * * * *	0.5	14					10	10	5	,				
4 4 5 4 7 7 4 7 4 4 7 5 4 7 6 4 8 4 4 8 5	243.0	31 0 2 99							•	•				
	620.4 6200.4	94 91			ı			32 29 49		1	1			
10	9110.7	100		t	1	3	50	**	•	1				
4 9 9 4 10 9 4 10 9 9 1 2 9 1 9	2710.4 2710.3 0.7 10.0 210.3 20.0 21.9				·	-	ı		ł	_				
	21.3						1	19	1					
, , ,		•			1	49		•						

BATA SAMPLE														
BLOCK B-101-A	OLOCK TIME (MIN)	TOTAL PEARS	-0.5 0.0	0.5	0.6	0.7	L040	PACTON 1.2		nioutic	M (6) 1.6 1.8	2.0	2.5	3.0
; ; ; ; ; ; ; ; ; ; ; ;	2.3 20.2 3.9	14				12	;	1 8 3	1					
	1.0 16.7 25.4 61.6 19.3	5 11 49 79		1		1	;	1 3 34 93 3	1	2				
3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1.0 3.7 110.3 4.0 1.7	4				1	,	20	;					
9 9 9 9 9 0 9 0 3 9 0 4	149.2 2.6 0.9 9.6 199.2	22 1 0 0				1	,	16	2	1				
1 7 1	9.5 1.5 303.5 27.0	12				•	3	11	1					
	6.7 694.9 1.0 9312.2 1930.4	31 6 59 54				3	11	20 41 32	1	2 2				
\$ 10 3 \$ 10 4 \$ 10 5	10.5 6101.7 57.7 12.3	115			ł	ţ	*	73 5 12	10	•				
• ! •	2.0 0.7 0.5 20.0							•						
	4.0 0.5 1.0 14.4 21.1	1					•	1	1					
	95.0 11.6 3.7 112.2	97 13 2				1	3 19 1 1	21 45 8	11 7	2 2				
	4.8 2.0 130.0 3.0 0.5	1 2					1	2	ı					
	142.0 2.0 4.3 107.1	19					2	10					•	
	941.1 471.6 311.5 760.5	12 17 21 12					:	10 11 13	;	1				
	4002.3	2564	• •	3	7	74	919		242	47	1 •	•	•	•

TABLE BIS DISTRIBUTION OF MARGURER LINED FACTORS FOR THE BOYER AIR FORCE BASE LOSISTICS, LONG RANGE MISSERN DATA SAMPLE

M-101-A BLOCK	OLOCK TIME (PIN)	PEARS	-0.5	9.0	0.5	0.6	0.7	LOAD (FACTOR 1.2		1.4			2.0	2.5	1.0
2 10 3	54.9	0														
3 1 3	2.2	C														
3 2 3	4.5	C														
3 2 4	C.5	9														
3 3 4	2.0	0														
3 4 4	4.0	0														
3 5 3	1.0	0														
3 5 4	1.6	0														
3 3 3	1.0	1							1							
3 4 5	3.0							12								
3 7 5	2.0							1								
	16.0								1							
3 10 1	174.0															
3 10 4	100.0	÷														
4 4 4	161.0	č														
4 10 3	49.0	- 2						L								
4 10 4	232.0	í						•	- 7							
9 9 4	200.0	ä							•							
5 10 4	230.0	- ti				1										
6 1 3	1.6	0				•		•	•	•						
. 74	0.4	0														
. 2 4	C.5	C														
6 1 5	1.0	0														
6 4 5	2.5	•														
6 5 5	5.0	2							5							
5	4.0	C														
6 7 5	4.0	5							2							
• • •	2.0	0														
4 1 5	9.0	C														
• • •	92.0	17					2	4	7	2	2					
6 9 5	1.0	C														
TOTAL	1305.1	42	0	0	.0	ı	2	7	27	3	2	0	•	٥	0	

PARTY DISTRIBUTION COME PACTONS FOR THE GOVERN ALL PORCE BASE TRAINING MISSING

010CE A-10-1	PLCCE TIPE (PIN)	PEALS	-2.1 0.0	0.5	•.•	0.7	LÖ40 0.0	FACT ON	*!::	1.4	en 10	1.0	2.0	2.5	3.0
; ; ;	100.0	191			1	1	:	72	17						
1 1:	110.1	**			Ĭ		11	.;	10	1					
	14.1	150				;	**	34	10	;	ı				
	95.4	125				1	16	24	27	ţ					
	31.0 2.7 C.7	13		•)	•	19	**	1	10	1				
	1.0	6 2							1	1					
	12.5	3 6													
2 2 5 2 2 2 2 3 2 3 3 4 2 2 2 4 2 2 2 4 2 2 2 4 2 2 2 4 2	1.0	C													
	1.0	č													
2 1C 4 2 10 9 3 10 9	1.0	c 5					1	¥							
3 1 2	107.9	303			2	;	16	.00	51. 29	5	1				
; ; ;	99.1 6.3	90		i	1	;	;	22	,,	11	1				
3 2 3	47:.1	224	1	1	1	10	110	147	142	22					
3 2 3	42.4 42.4	422 93 75		•	2	11	9	91 33	27	22	1				
3 3 3	492.5 270.6	967		1	2	12	53	111	-0	10	:	1			
3 3 5	110.7 3.1 2.0	127				•	1.0	7)	50	7					
3 : 2	14.0	74				į	٠	40	:7	:					
3 4 5	72.5 4.0 41.2	161		1		1	**	42	. 2	3	1				
3 5 4	293.7	273			2	•	24 17	.21	36	12	3				
3 4 2	4.0 3.0 33.4	3			1	1	2	1	1 2	1					
3 4 4	117.2	193			1	i	į	12	19	17	2				
; ;;	1.5 15.0	6					1	1							
3 7 4	34.0 150.4 24.0	97			1	1		**	10	11	2	1			
3 1 2	1.0	7					1	22	2	ì					
3 4 7	44.5 6.0 37.5	12				ı	\$	•	•	i					
3 9 4	19.4	:				1		1 2	2						
3 10 3 3 10 4 3 10 9 4 1 2	119.9	17 C					2	13	2						
4 1 3	11.5 119.5 844.7 2.5 41.9 21.2 1.4	65 23			1	3	;	49	3	ī					
4 , 7	1.4 0.5	3 4				1	1 1	1	3						
: !!	94.4	ij				•	n	31	?	1					
4 2 4 4 2 5 4 3 2 4 3 3 4 3 4	7.3	7)				1	12	3 1 52	Ļ	1					
	46.5 66.7	115			1	1 10	33	41	10 10 14 1	112	1				
	7.1	,;			٠		1	52 43 40 3 2	i	2					
4 4 4 5 4 4 6 4 5 5 6 6 6 6 6 6 6 6 6 6	1.0	0						2							
	11.5	35				2	•	17	4	•					
4 15 4 23 4 23 4 23 4 32 4 32 4 32 4 33 4 4 4 4 4 5 4 4 5 4 4 5 4 6 7 4 6 7 4 7 4 4 7 8	34.1 96.6 97.1 1C.7 7.3 97.3 4C.5 6C.7 1.2 7.1 37.9 1.9 1.9 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	5			1	1		3	3	5					
4 9 4	107.5	25			•	•	2	26 1 31 32	1	,					
10	13.5 407.1 1240.0 4.0 7.4	36					ì	31	2						
4 22 4 25 4 25 4 33 4 34 4 36 4 4 5 4 6 5 4 4 7 3 4 4 6 7 7 5 4 6 7 8 4 7 8 5 8 6 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	13.5	0					i	:							

DISTRIBUTION OF THE PACTORS

								70 00	•••							
9-49-4 9-49-4	1100	7974	-0.9 0		•.•	•.•	0.7	0.0	7467 0	0117	1.4	7.1	1.0	2.0	2.5	3.0
	0.4 1.0 3.0 27.0 1.1 1.1	42						;	*	•	,					
1 1 0 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1	1.9 29.4 6.2 24.9 20.9 190.4 100.4 100.4 100.6 1.0	111111111111111111111111111111111111111	•	1	17	19	177	2 1 1	3730	1041	,	**	•	•	•	•

TABLE BIT BISTRIBUTION OF MANGUAR LOAD FACTOR FOR THE GOVER AIR FRACE GASE PLICIT TOST BISSION BASE STATES

								1074 SA	De.	_							
OFUCE R-00-9	91 PE 1 PF 1 PI 1	PPACS	-0.5	•.•	0.5	•.•	0.7	8.8	FACTOR L.2		1.4			2.0	2.5	3.0	
	10.3 4.4 12.6 13.6 2.3	10						ţ	•	;	1						
	14.1 9.0 2.0 6.0 1.0 3.7	78						1	3 6 1	1	•	,					
	5.2 12.5 7.6 0.6 37.7							ł		1	1						
	13.0 19.0 9.0 21.0 2.1 18.1	11						1	1 2 3	•	•						
	1.0 0.9 0.3 1.8							•	1	1							
	3.1 6.2 9.2 9.0	1					1	3	1								
TOTAL 3	201.4	144	•	•	•	•		23	87	22	•		•	•	•	•	

PISTOTOWING OF RESPONSE LOSS FACTORS AND PROPERTY OF RESPONSE PROPERTY OF THE PROPERTY OF THE

					******		7.1	-100	4				
01.000	91.000 1 100 1 1019)	PERS	-0.1 0.0	0.1 0.4	0,1	100	PACTON 1.8	1.3	ita i.	!• '•	1.4	2.0	1.0
	1.3 1.0 20.3 21.0 2.4	•			r	i	1 2 2	•					
	1.4 0.3 1.4 2.0 10.4	,				ł	•						
	19.5 0.9 8.0 13.3 0.1 0.1					;	•						
2 10 4 2 1 2 3 1 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3	1.0 41.0 13.4 0.5 39.4 7.4	10				•	10						
	40.9 40.9 7.1 4.7	16 86 97 10			i	13	119	:	ī				
	21.9 32.5 1.5 94.0 2.0	12				1	•	1					
) 0 0 1 7 0 1 0 0 1 0 0	2.0 201.1 7.5 201.0 195.2 951.2					ţ	*	1 2					
* ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	0.4 2.0 0.0 0.1 17.1						:	•					
• 15 • 15 • 15 • 15	1.3 8.9 27.4 30.6 0.6 11.0	; ; ; ; ; ;			,	•	10 10 11	•					
• • • •	90.7 6.3 49.3 1.0 44.1	ÿ			i	•	*	•					
	740.7 0.9 147.3 447.3 549.7 290.0			•		;	;	1					
1 10 4 0 1 1 0 2 3 0 3 3 0 3 3 0 3 3 0 3 3	0.6 0.5	i				•		*					
	0.1 4.7 4.9 9.1 7.9						;						
	179.0 110.0 277.0 1.0 2.0	17			1	1	:						
	0.0 0.7 0.7 0.7 0.9 1.0 110.0 277.0 1.0 2.0 2.0 0.4 2.1 0.5					1	ì	1					
	4.0 4.0 7.7												
10744	4964.5	•••	• •	• ı	•	••	300	•		•	•	•	•

TABLE BIP DISTRIBUTION OF MANDEVEN LOAD PACIONS POR THE TIMES AIR PORCE DASS TRANSPORT RESSION

9-00-4	TIME TOTAL	-	-0.5 0.6	0.6	0.6	0.7	0.0	Lit					2.0	2.5	3.0
	87.7 90.1 49.7 6.7 60.5 8791.0 90.0 10.0	20 461 100 62 12 8140 1100 146			;	, , , , , , , , , , , , , , , , , , ,	54 55 2 1 307 307	190 90 10 10 190 90	100 100 100 100	20 20 20	1				
2 9 1 2 3 4 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	21.3 0011.7 9434.7 1174.4 170.7 0.0 130.1 400.3	\$169 0004 9003 820 96 153 274			17 20 12 20	112	1107	1203 1003 1779 167 16 02 400	990 905 734 196 19	175 279 112 0	15 17 2	1 2			
	094.3 04.7	1447		10	i	**	997 997 81	636 29	242	100	11	2	1		
	94.2 190.6 906.2 922.1 66.2 90.3	70 707 708 60 61 17		*	12	**		92 962 416 22 16	143	100	:	2	1		
	100.1 1154.8 1440.7 43.1 20.4	176 1260 1272 20	i	1	14 29	5 70 1	21 200 200 200	101	120	150 105	19 21 3	i			
	477.3 1133.9 1436.2 64.8	1372 1372		2	•	57 57	154 100 10	790	211 199	139	20	1	2 1		
	103.0 9.5 10.0 20.0	21 10		:		1	2	1	3	1	i	1	•		
	19.7 16.6 061.3 143.7	19 109 200	ı	1		11	;	100	***						
	17.0 •71•.7 100•.2 •1.•	3911 3911 3900 291			11	1 24 75 10	442	1000	300	**	t				
; ;;	0-2 0-37-3 10190-9 2773-0 940-7	3000 13131 0030 1330		7	25 25 1	03 200 171 42	1077 2102 705 100		5 22 1667 1215 200	10 200 305 305	17 22	1	1		
; 4; ; 4; ; 4;	200.6 720.2 1120.2 1314.1	102 042 1047 2024		;	11	33 60 76	100 200 201	102 496 1015 1105	21 121 201 202 202 7	22 236 136 129	15	2	i		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	140-1 921-0 1224-5 1999-1 42-4	154 153 1337 1717 100		1	10	5 46 67	701 201 210 7	29 107 724 924 45	13 176 245 10	7 76 136 17	12	1	1		
	192.8 1907.5 3704.8 2493.8	37 900 3900 2700		10) 22 24	:	355 171 21	33 266 1066 1330 37	93 167 117 118	931 991 997 82	56 74 10	1.2	:		
	270.4 2237.7 6079.7 113-1	130 1476 4447 1617 103	1	11	13	133 133 76	101	1073 2084 1706 38		23 270 441 16	116	14 15 1	•		
	0.1 70.0 74.1 970.2 0.3 1.0	100		:	•	1	**	19 99 93	K	11	\$ 2 1	1	1		
	113.7 201.1	249 01 03 201		:	:	1:	12	115 126 45 45	10	7	2 31	1	1		
101	41.7 254.6 45.5				3	}	1 00 21	100	17	1					
	1.7 746.0 966.0 20.0	1010		1	•	12	146	1200	50 173 19	•;					

DISTRIBUTION OF PARTIES LOAD FACTOR: FOR THE TIMER AIR FORCE BASE TRAINING MISSION

							DATA SA	MPLE								
9-10-A	OLCCK TIPE (MIN)	PEARS	-0.5 0.0	0.5	0.4	0.7		FACTOR 1-2		TR 10UT			2.0	2.5	3.0	
1 11	0.4							1	•							
4 1 2	1510.0	970			4	17	246	590	95							
: ;;	\$104.2 1524.6	7580 2414		1	15	144	1293	1026	987 453	136	3					
4 3 5	143.9	421			i		46	201	76	41	ĩ					
: !!	41.4	15				1	1	35	4	m 5						
* * * * *	988.2	1261				30	219	101	1.05	30						
4 4 5	737.4	895		1	7	30	135	499	140	31	7	1	1			
: ;;	15.7	1.0					- 7	1	3		1					
4 5 3	171.1	42		1			7	25		.1						
4 5 5	762.1	244		2	ž	10	37 100	354	128	22 71	10	5				
4 7 4	13.3	24				1	2	14	î	1	2					
1 11	191.3				1	.1		44	11							
4 4 5	1110.9	722 011		1	•	50	103 108	372 409	139		12	1				
: ;;	17.2	29				2	ž	,	5	7	3	1				
4 7 3	403.4	202			•		33	136	21	3						
4 7 5	1674.7	1336		2	5		124	727	250 174	176	32	1				
4 7 4	22.7	13			1	1	1	7	2	1	1					
: ::	2.1	i			_		1									
4 8 5	103.1	65				1	23	29		3	1	1				
: ;;	34.0	11				2	2	2	2	1						
4 9 4	34.5	58			2	2	12	32		Ž						
4 10 3	3.0	22				1	7	•	•							
4 10 4	19.4	22					4	11	3	2	2					
5 1 2	36.6	10			1		2	23	2							
5 2 1	12.3 C.9	16 C					_	7	2							
5 2 3	124.8	262				1	18	76 153	25	1						
5 2 4	6.9	ċ				_	t	4	-	-						
5 1 1	C.4	0														
; ; ;	115.7	5G 721				12	140	444	93	12						
3 3 4	344.9	357 190			1	2	52 15	239	41	15	1					
5 3 6	0.5	1				•			33	ĭ	•					
; ; ;	3.0	91				3	24	49	14	1						
5 4 4	132.9	112				3	22	66	17	4						
; ; ;	312.2	311		1		•	55	101	56	12						
3 5 2	48.7	3 7					1	2 5								
5 5 4	127.7	131			1	2	14	79 167	23 35	21	1					
5 5 6	393.3 5.6	261 17		2		•	"	•		i	•					
3 4 2	110.0	62					14	43	1 5							
5 4 4	538.6	474		1	2	19	60	297	66	24	20		2			
: ::	5.4	12 12		,	3	16	1	229	60	35	- 2	4	•			
; ;;	13.0	12 12 144		2	3	2	13	105	15	3	1					
5 7 4	1154.1	1048		2	2	24	96	113	161	143	25	2				
3 73	244.0	701 24 25		1	7	16	107	14	102	95	33	3	2			
; ;;	34.5	25		1	2	1	:	15	1 2							
3 8 5	101.3	42			5	3	7	50	5	3		2				
; ;;	34.2	23		1		l l	3	16		2						
; ;;	43.0	19				1	5	_5	1		1					
5 10 4 TCTAL 1:	73.7	122035	0 3	150	547	3200	20236	7247017		4444	920	125	30	1	0	

TABLE B20 DISTRIBUTION OF MANEUVER LOAD FACTORS FOR THE TINKER AIR PORCE BASE FLIGHT TEST RISSION DATA SAMPLE

BLOCK B-101-A	OLOCK TIPE (NIN)	PEAKS	-0.5	0.0	0.5	0.6	0.7	C.S	FACTOR 1.2				1.0	2.0	2.5	3.0	
3 2 2	4.9	1						1	1	1							
, ; ; ;	14.0	7							1								
i i i	34.9	•						1									
3 3 4	4.4	í						i	•								
3 4 3	3.0 23.0 9.7	Č						•									
3 4 4	23.0							ı	7								
3 4 5	9.7	10						3	•								
3 5 4									2								
3 3 3	3.9								1								
; ; ;	4.0	;							. !					•			
1 1 1	4.5	5															
1 14	10.4	į						i	•	1	1						
3 7 5	19.4	12					2	i	- 1	•	•						
7 7 6	0.5						-	•	•		•						
3 8 4	4.3																
3 . 5	2.3	2							2								
1 1 1	4.1	5						ŧ	•								
3 . 3 5	0.3								•	_							
3 10 4	50.0	15						ı	•	2							
1 11	0.4	3							,								
1 11	1.5																
4 1 4	6.5	0															
4 4 3	4.6	O															
4 4 4	1.9	•															
4 4 5	4.2	•							5	1							
4 5 4	4.0	1						L									
	4.5	0															
1 11	2.1																
TETAL	250.4	A 7	0	•	0			14	43			•					
TETAL	570.9	77	v	U	U	U		49		•	2	0		.0			

TABLE B21 DISTRIBUTION OF PAMEUVER LOAD FACTORS FOR THE TRAVIS AIR FORCE MASE LOSISTICS, MEDIUM RANGE MISSION DATA SAMPLE

								DATA SAP	IPL E								
SFOCK R-HA-V	elcck Tipe (MIN)	TO PE	-0.5	0.0	0.5	0.6	0.7	LOAD 0.0	FACTOR 1.2				6)	5.0	2.5	3.0	
2 1 2 2 2 2 2 2 2 2 2 2 4	9.0 29.7 0.5	9						1	1	1							
2 3 7	3.0 47.7 13.8 15.7	16 16			1		1	ŧ	17 12 12	2							
2 3 3 4 2 3 5 2 4 4 5 2 5 5 5	2.2 2.0 17.0 22.5	1 0 8 2					1	3	, ,	1							
2 5 4 2 5 5 2 6 4 2 6 5	19.6 1.0 17.6	1 5 0						1	1	3							
2 7 4	4.0 19.5 2.0	3					1	2	2 2	1							
2 7 9 2 6 4 2 6 5 2 10 4 2 10 5 3 1 2 3 1 4 3 2 2	41.1 35.1 18.5 #3.6	11 2 3				1	1	1	5 1		1						
2 10 5 3 1 2 3 1 3 3 1 4	17.5 194.5 23.5	30 12							23	3							
3 2 3	3.3 340.9 98.5 31.3	59 23 14						12	2 45 17 12	3							
3 3 2 3 3 3 3 4	296.6 412.5 233.4	113 134				1	3	14	36	10 10	•						
3 1 5 3 1 6 3 4 2 3 4 3	54.6 1.7 29.0 149.5	74 3 3 32					2	2	46 2 1 21	19	1	1					
3 4 4	327.4 326.8 11.7	104				1	2	16	68	18 15 1	3	1					
3 5 4 3 5 5	29.3 92.9 397.2 4.6	35 72 C			1		1 2	2 3 11	2: 40	7	1						
3 4 4 3 3 4 4 3 3 4 4 5	14.1 81.0 53C.5 C.5	0 22 54 6			1	1	2	;	38	•	1						
3 7 3 3 7 4 3 7 5 3 7 6	32.5 158.1 1055.1	9C 56					1	12	7 18 52	1 3 10	1 5						
3 6 4 3 6 5	66.5 92.6 1791.9	17 70				1	1	3 25	11	.) 11	2						
3 9 4 3 10 7	4.6 2764.2 2522.2 102.8	C 56 38 24			2	1 2	1	13 12 1	27 13 22	6: 7	2	2	1				
3 10 4 3 10 5 4 1 2 4 1 3	6132.8 297.1 142.1 37.9	116 2 31			1	4	ž	28	59 29	17	•	1					
4 1 5	1.6 C.3	0 5 7.5						1	•	1							
4 2 1 4 2 2 4 2 3 4 2 4 4 2 5	152.7 159.4 30.1 4.7	13 74 20 9						11 2 1	10 54 15 6	1 6 2 2	ı						
4 3 i 4 3 3 4 3 4 4 3 5	122.3 426.9 175.5 89.9	13 122 110 151			1	1	2 2 3	3 21 12 23	8 87 77 96	9	2 2 4						
4 3 6 4 4 2 4 4 3 4 4 4 5 4 4 5	3.3 9.3 116.5	20						3	17	24	1						
4 5 3	346.1 2.7 32.4	148				1	3	24	74	30	14	1		1			
4 3 3	7C.3 604.5 12.0 14.2	28 54 5			1	1	i	11 1 2	45 74 1 15 30 2 1 6	3 5 2 1 1 2	1	1	1				
	122-3 428-9 175-5 89-9 3-3 116-5 203-7 346-1 2-7 70-3 604-5 12-0 14-2 14-2 14-2 14-2 14-2 14-2 14-2 14-2	19 122 112 151 20 59 148 1 1 1 28 54 54 6 10 10 10 10 10 10 10 10 10 10 10 10 10					1	10		į							
4 7 3 4 7 4 4 7 5 4 7 6 4 7 8	299.0 1004.0 3.5 94.0	32				1	1	7	22	1							
	1430.8	45						•	30	5	2						
4 9 5 4 10 3 4 10 4 2	6364.4 8684.3 198.5 4942.2	32 0 6 1 45 0 61 61 0			1	2	10	16	31 44 82	11	2	1					
							7.7					-					

TABLE B21 emeluded DISTRIBUTION OF RESQUER LOAD FACTORS FOR THE TRAVIS ASS PORCE BASE LOGISTICS. MEDIUM RANGE STESSON DATA SAMPLE

A-M-T	OLCCR I IPF (#14)	TOTAL PEAKS	-0.5	ŏ.•	0.5	0.4	0.7	L040	PACTOR 1.2	0151	M 1041	1.6	3) 1.0	2.0	2.5	3.0
4 10 5	576.7 63.5	0						3	22	1						
3 13	50.5	32						í	ä	į						
1 1	1.2	į						1	į	1						
3 2 3	12.3	41						17	23	i						
5 2 5	13.9	20							14	3	ı					
1 1 1	111.3	47					L	20	16	3						
5 3 5	116.1	149				2	•	22	10	10	1					
5 4 3	25.9 36.7	11						i			3					
5 4 5	102.1	117				1	•	22	76	7	í	1				
3 3 3	7.5	Ö						,	2		•	•				
5 5 6	104.5	54)	5	•	32	3	3					
5 6 3	12.2	C 2					-		1	1						
4 6 4	494.4	49				1	5	•	50	9	3					
5 7 4	187.7	34						ļ	24	1						
3 8 4	29.5	13				1	ı	,	23	3	-					
3 9 5	5159.1 8457.2	5C			1	i	11	13	28 25	13	3					
5 10 3	131.7	194			,	•	23	49	77	30		2				
3 10 5	147.0				•			1	7			_				
6 1 3	43.1	20 13						į	19	3						
4 1 5	1.4	1						_	4	_						
. 23	72.0 27.2	40					1	12	24	2	1					
6 2 5	19.0	29					_		22	•	1					
6 3 3	94.0	13					1	3	,	i	1					
6 1 5	185.4	36 165					3	15	131	13	3					
	1.7	•					-	-	,	1	_					
: ::	78.0 77.2								5							
1 1 1	352.3	64						i	49	•						
h 5 h	19.7	į				1		ı	į							
	1.0	C				•		•	•							
	450.8	15						1	11	ı						
6 7 5	519.1 6.5	ų,				1			11	5						
	987.9 \$95.4	25					3	11	11	z						
6 10 4	3363.5	36			2	2	4	15	31	ž						
6 16 5. TCTAL 11	35.0	4392	•	0	17	45	143	761	2795	497	119	12	2	1	0	0

TABLE BEE BESTALOUTION OF THE THE TABLE PACTORS FOR THE THE TABLE BASE LOSISTICS, LONG BASE RESSION AND BASE RESSION

								BATA BA	MPLE							
PFOCK A-IM-V	OLOCK TIME (MIM)	PEARS	-0.5	•.•	9.5	•.6	0.7	0.0	PACTO			1.		2.0	2.9	3.0
: ::	2.1 7.5	•							ı							
2 2 3	1.5	•							1							
2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1.0 0.3 6.0	1							3							
	3.5 3.5 9.5															
2 9 9	9.5 2.0 2.0							1	1							
3 1 3	2.0								1							
10 3	1.0	1						2	1							
1 1 2	100.0	1						3	?	1						
1 24	13.3 47.5 56.5	20						,	2	1						
3 3 3	10.4	51						i	13	3						
3 4 3	4.8 23.4 97.9	1						1	,							
3 4 3	59.3 1.5 5.6	1 0 3							1							
3 3 3	22.5 %.1 1.0	3							1	1						
1 4 2	2.0 9.2 9.5	Ċ 1							•	1						
3 4 3	102.4							1	5							
3 74	110.6	ı							ı							
3 4 5	10.6 91.0 604.5	•						1	ì	1						
	193.6 3776.0 041.2	19			1		1	į	14	1						
4 10 3	474.0	1							1							
4 10 4 5 4 5 5 7 5	7364.0 0.5 0.5	20				1	2	•	•	2		1				
1 1 1	24.0 1345.0 1546.0	14 16					- 1	•	†	•						
5 1C 4 5 1C 5	1940.0 5671.0 36.0 12.4	47				ı	ţ	2i 1	31	1	2	1				
	25.3	12						i	ıi							
4 2 3	0.1 17.0 9.5	•						•	1	t						
	1.7 0.9 10.7	17						;	15	1	•					
• 1 •	99.7 0.2 2.2							1	31	•						
	90.4	*						•	36	13	1					
: ::	1.0					5			•							
	199.0	•						ł	:							
	241.4 270.3 724.5 474.6 27.0	16 20				1	ì	1	i	ţ						
4 10 4 4 10 9	174.4				1				2							
TOTAL 2	3055.4	474	•	•	2	3	12	112	500	47	7	5	•	•	•	•

DISTRIBUTION OF PAMEUVER LUAD FACTORS FOR THE TRAVIS AIR FORCE BASE TRAINING HISSION DATA SAMMS

												_			
Procu A-MI-		PEAKS	-0.5 0.0	0,5	0.4	0.7	C. O	FACTOR 1.2	1.1	r lout	1.6	61	2.0	2.5	3.0
: 1	1 1.9	.0				2	•	71	,						
5 1	19.3	Ĭ				•	4	13	ž						
: :	3 70.5	54				1	12	48	2	1					
	2 97.7	27				1	.1	17	. 2	_					
2 3	162.3 100.8 5 15.1	56				į	20 6	36	13	3					
	2 1.7 3 2.1	10					5	15	3						
	2.5	1				1	ž	5	3	1					
2 4	6 0.2	Č.					ı		-						
2 5	2.0	21					•	•	3	1					
	10.4	14			2		10	5							
2 7	15.2							2	•						
2 7 2 7 3 1 3 1 3 1 3 1 3 2 3 2 3 2 3 2 3 3 2 3 3 3 3		28 3 0				1	3	20	4						
; i	439.4	416		1		4	67	284 105	55 24	1					
3 1	21.6	47		-		Ž	4	25	ii	•					
3 2	936.9	234 474		1	2	15	41 63	163	26	1 7	ı				
3 2	59.4	20				2	12	14	13	1					
3 3	394.8 1254.7	134 660				12	113	101 459	49	7					
3 3	993.0 5 220.1 1.3	721 310 1		1	2	7	56	508 175	124 60 1	17	1		ı		
3 4	7.5	, 58					•	1 51	3						
3 4	475.2	239		1	1 2	5	34 53	160	32	7	ı				
3 4 3 5 3 5 3 5 3 5 3 6 3 6	37.4	3						1							
3 5	356.6	426			2	1	55	196	75	77	15	_			
3 5	318.5	261			1	10	35 1	111	39	52	10 1	2	5		
3 6	16.4 125.3 501.8	60 565		1	1 5	\$ 5	91	42	3	1	.1				
3 6	276.6	127		i	,	10	54	152	93 65	37	21	2	1		
3 7	0.3	145			2	1	16	104	15	•	1		•		
3 7	130.3	373			1		42 14	209	17	40	5				
3 6 9	4.0	3				1		1	1						
3 1	5.6	2				1	1	1							
3 1C 3	126.0 21.4 58.0	12 C 2					1	1	1	1					
4 1	45.5	35				1	10	42 19	14	ı					
• 1	2.5	\$			1	_	2	1		•					
	43.1	49					11	29		1					
	10.5	11				1	ı	12	5	1					
. 3 .	73.7	3 40 49				1	.7	3 24 47	7	1					
	110.5	140		1	•	3	25	**	23	5					
	10.5	11 2			•	1	3	40	i	1					
4 4 5	100.8	95		1	2	3	10	34	3	2					
	17.4	0						•							
	13.5	14					2	11	1						
	12.0	20				2	2	? ? 15	3	13					
4 73	9.5	52 1 10				•		10	••	••					
: !!	33.8 5.4	3					3	2							
	1.6														
TOTAL	10005.2	7370	• •	•	32	156	1090	4*36 1	044	411	65	•	•	•	•

TABLE 324 DISTRIBUTION OF MANAGENER LOAD FACTOR FOR THE TRAVIS AIR FORCE DASE FLIGHT TEST RISSION

OFOCK A-HA-V	OLECK TIME	PEARS	-0.5 0.	0.5	0.6	0.7	LOAD 0.0	PACT ON	1.3	1.4	1.6	1.4	2.0	2.5	3.0
3 12 3 13 3 21 3 21 7 7 4	14.4 5.4 16.5 24.1 3.2	10				1	2 3 1	13	2						
3 2 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1.0 10.0 36.0 5.4	15 15 2					1 3 1	11 1 4 3	1	ı					
3 4 4 3 4 4 3 4 5 3 5 7 3 5 7	12.0 10.4 3.7 1.0 10.0	10					;	}	1						
1 9 9 3 1 6 1 6 6 1 6 8	15.3 1.4 5.3 24.4 2.0						i !	1	1						
3 7 3 3 7 3 3 7 4 3 7 5 3 8 4 1 8 5	2.2 17.5 25.9 1.3 2.9	25 15 1				1	i	12	i						
3 4 4 3 9 5 3 10 3 3 10 4 4 1 3	1.0 0.0 11.2 1.7	*				1	:	;	4						
4 13 4 23 4 24 4 25 4 33 4 34	1.3 0.3 0.7 1.6						1								
	1.2 2.7 3.2 2.4 1.0	1 2 2						3	1						
TOTAL	321.7	104		• •		•	41	119	17	3		•	0	0	•

DISTRIBUTION OF OUST LOAD FACTOR FOR THE CHARLESTON AIR PORCE BASE LOGISTICS, REDIUM RANCE RISEION DATA CAMERS

						- 3		411									
OFOCK A-MI-T	I MIMI I IMF BLCCK	PEARS	-0.5 0.0	0.9	0.6	0.7	0.0	PACTOR 0.9	0157810	1.2	16)	1.4	1.6	1.0	2.0	2.5	3.0
2 17 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3.6 4.0 2.0 1.5 1.5 0.5	22 21 17 21 20 0					1	7	13 13 6 11 2		ı						
2 9 5 2 7 5 2 7 5 2 8 4 2 8 5 1 2 9 5 1 3 1 4 5 2 7	4.5 2.8 4.5 1.0 2.0 16.0 95.7 40.5 11.9	0 0 0 0 0 110 58 63			1	1	•	47 21 28	67 30 44 125	2 2 9 9	1						
3 2 4 3 7 5 3 3 2 7 3 3 2 7 3 3 2 7 3 3 2 7 3 3 2 7 3 3 2 7 3 3 2 7	54.1 29.1 1.8 29.5 56.8	124 710 13 30 57			8	1	1	45 71 2 17 31	90 90 9 12 25	10 23	1	2					
3 4 4 3 3 4 4 4 5	74.9 16.3 27.1 77.0 55.0	336 27 60 235 196		ı	1 2	2 2	19	30 63 72	154 15 26 113 73	20 2 22 20	3	1					
3 5 4 3 5 5 3 6 6 3 6 7 3 6 8	74.1 117.9 3.6 1.0 27.4	104 247 9				1	;	107	123 5	\$0 11	•	2					
3 6 5 3 6 6 3 7 3 3 7 4 3 7 5	249.1 9.8 0.5 24.7 170.4 27.7	135 9 14 203 30			2	3	, , ,	43 2 9 9 17	77 5 , 114	1 37	•	3					
3 6 7 3 7 3 3 7 4 3 7 5 3 10 7	207.3 2.0 1172.4 393.7 1.6 1994.1	249 786 229		1	1	?	10 23 5	97 297 90	194 432 119	27	3	1	ı				
4 13 4 13 4 23	23.4 2.7 6.2 42.1 30.0	1400 25 1 0 40 71		•	•	13	•1	21 21	457 17 25 44	2	12	,					
4 2 4 4 2 7 4 3 7 4 3 7 4 3 7	7.7 0.7 11.7 48.0 47.6 13.7	1 41 102 17				2	5	1 16 31 5	25 93 10	•	3						
4 4 1 4 4 4 4 4 5 4 5 4 4 5 5	7.4 47.2 54.0 0.7 13.7	97 36 0 70				2	•	34 17 8 20	34 16 11 33	13	3						
* * * * * * * * * * * * * * * * * * *	11.6 133.5 5.5 200.7 9.0	1 77 21 100 21				ı) 	23 10 42	1 50 4 59 13	1 2 3	,						
4 8 9 4 10 4 4 10 3 5 1 7	574.0 6791.0 1194.1 7030.4 3.6 20.8	680 1972 268 1211 0			2	2	19	702 739 100 459	419 1142 150 700	31	3						
5 1 1 5 1 4 5 2 2 5 2 3 9 2 4 5 8 5 5 3 3	19.7 1.1 1.4 19.5 3.6	25 1 2 7 11					2	10	13								
5 3 3 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	15.2 22.7 15.4 0.5 2.0	10 114 0				I I	•	14	1 12 97	10	1 2	1					
	105.4 1.8 0.5 135.5 221.3	•		ł		•	:	23	20 37	3 5	1	;					
5 7 5 5 7 6 5 6 6 5 6 5 5 6 6 5 6 7	340.7 1.0 9.0 593.7 6460.6 1637.1	12 6 3 405 2290 367		?	13	2 19 5	20 61 14	1 211 091 117	21 214 1271 209	4 25 78 14	; 25	;					
5 10 3 5 10 5 5 10 5	9.9 4022.1 3.0	1414		•	t	ı	13	493	103	•0	i	i	•				

TABLE BES sended 015Th south the pacture POR THE CHARLESTON ASS FORCE BAGG LOCISTICS, REDOWN BARDE RESISTED BATA ABOUT

OL C	ÇX	TIRE TRINE	PEAKS	-0.5	•.•	0.5	•.•	6.7	1.040	PACTON	1.1		16)	1.4	1.6	1.0	2.0	2.5	3.0
•	1 1	39.9	24 90 4						2	37 37	19	1							
	2 3 2 3 2 3 2 3	25.3 6.6 5.0	47 44 21 14						1	21 14 7	21 27 13 10 51	;							
	3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	33.7 51.3 2.2	143 143 22						:	**		16							
	4 5	152.0 1.5 21.7 137.0 3.2 4.5	214 1 2 106				1	•	12	63 63	114 1 2 93	15	;	1					
	• •	3.2 4.5 150.6 2.0 5.0	131					3	٠	44	75	5							
	7 7 7 8 4 8 5 A	140.3 7.0 197.2 655.5	95 111					:	2	30 27	61 71	2 1	1 !						
1 CT	AL.	324.6 267.5 36791.5	340 99 17127	•	0	12	53	102	16 951	33 127 33 4147	150	25 029	144	3 40	•		•	•	•

TABLE BAN PISTRIBUTION OF SHAT LOND PACTORS PART THE CHARLESTON ALL PONCE BANK THAIRING RESSION

							MAN PER	~~									
DLOCK DLOCK	OLOCA TIME TRINI	PEARS	-0.5 0.0	0,8	•.6	0.7	0.0	PACTON 0.7	Piemor	1.2	161.3	1.4	1.6	1.0	2.0	2.5	3.0
2 1 2 2 2 2 3 2 3 3 7 3 1 1 3 1 2 3 1 3 3 2 2 3	7.0 40.9 0.4 19.0 12.6 1.2 93.0 5.4	70 391 101 100 140 0 222 21 309				ì	10	32 100 40 90 90 2 90 9	39 147 43 76 60 4 186 19		1						
3 14 3 17 3 14 3 14 3 15	3.0 24.5 29.9 17.0 1.4 2.7	190 245 104 32				,	1 8 20 10 3	10 71 102 70 12	86 86 100 07	11	;	1					
	8.2 13.0 1.0	27 95			1	•	į	16 26	37	11 2	*						
3 44 3 44 3 43 3 74	4.8 1.0 5.5 0.5	11						;	1 2								
3 7 5 3 8 4 3 8 7 3 9 4	0.5 0.3 23.0 7.5 1.0	22 1 72 2				1	:	30	27	3	t						
3 10 4 4 1 7 4 1 3 4 2 2	247.0 C.5 C.5 G.6	40 1 1 2					•	26 1 1	11	3	5						
	5.2 1.2 0.0 1.2 2.0	1					1	1	•	1							
	1.0 2.0 6.0 9.8 4.6	2						3	;								
4 7 9 4 10 4 5 1 2 7 2 3	4.6 54.0 390.0 1.3 1.5	• • • • • • • • • • • • • • • • • • •						26	**								
3 3 4 3 3 4 5 3 5 5 4 4 5 4 5	1.2 1.0 1.4 1.6	2 5 7					1	1	3								
9 9 9 9 6 9 9 7 9	2.5 5.0 4.5 7.0 8.0	10						2	1 2 3	1							
5 4 4 5 9 5 5 10 4 TOTAL	55.0 4.0 204.0 1400.2	473 15 332 3566		•	2	16	212 212	214 7 130 1940	176 106 1634	27 2 7 137	21	•	•	•	•	•	•

TABLE BET DISTRIBUTION OF GUST LONG FACTORS POR THE CHARLESTON AIR FORCE BASE RISCOLLMOONS RISCION

D-DCE	OLOCA 11PE (PIN)	TOTAL PEAKS	-0.5 0.0	•.•	0.6	0.7	0.0	PACTOR 6.9	01570 H	1.2	''!.,	1.4	1.6	1.0	2.0	2.5	3.0
: ::	9.7	19				1	1	•		12							
2 1 4	9.7 2.2 1.6 1.2 5.0 9.9 10.0 2.6 7.0	7						4	}								
	3.6	1						1	1								
1 11	10.0	31						10	20	ı							
1 11	7.0	- 1							1								
1 11	10.0	26				1	3	20	15	•	ı						
1 1 1	1.1							-1	-	ī	•						
3 1 4	9.0 10.2 1.1 2.0 22.2 20.2	144					2	17	94	11							
3 1 2	0.5	210					11	44	100	20	i						
1 17	0.5 0.2							2	1	1			1				
3 2 3	32.6	115					2	41	42			1					
1 2 3	46.0 2.5 6.5	95				1	2	27	61	Ă	•	-					
1 1 2	12.3	į															
1 34	21.7	60				2	_	20	30	•	1	L	ı				
; ; ;	20.	23					2	•	•)							
3 4 4	18.6	15				1	ļ	36	42	3	1	1					
1 1 1	4. 4					1	1	13	•	5	3						
3 4 5	1.0 2.5 0.6	32				•	1	•	į	•	•						
	0.7	12				1	į	2 2	•								
4 1 5	0.3 4.3	5					•	•	3	2							
	0.5 0.1	2					1	1	5								
: ; ;	3:7	16					2	4	•		ı						
: ::	15.0	10					1	1	5								
1 11	2.0 4.5	ì					-		i								
1 1 1	1.0	i						1	1								
4 7 5	7.0						1	2	3								
4 7 6	3.5	0		-	•		4.9	244		74	• •						

TABLE B28 DISTRIBUTION OF GUST LOAD PACTORS FOR THE CHARLESTON AIR PORCE BASE FLIGHT TEST HISSION DATA SAMPLE

er LCK A-M-1	PLOCK TIME (MEM)	PEAKS	-0.5 0.	0	. 5	0.4	0.7	0.0	FACTOR 0.9	015781 1.1		1.3	1.4	1.6	1.6	2.0	2.5	1.0
3 1 7	4.0	10							7	10	1							
7 1 7	4.2	44						•		39	~							
1 1 4	0.3	7									_							
3 2 4	0.1	7.							Z	3								
3 2 5	0.1	G																
3 3 4	2.5	• 1							1	•								
3 3 5	0.5	ı								1								
3 4 4	2.6	•					l l	1	1	5		1						
3 4 5	1.4	12						1	7	•								
3 5 4	2.0	72			1	•	•	•	10	15	10	•	3	ı				
3 5 5	1.0	2							_	2								
3 4 4	1.6	20						3	•	•								
3 4 5	1.9	4							2	2								
1 7 4	5.5	7							•	2	1							
3 7 5	5.5	2								2								
3 8 4	1.0	_ 0																
3 8 5	7.0	- 33					1	2	14	10	4							
3 9 4	3.5	1					-	_	-	1	-							
1 1 1	1.0	ě								-								
1 10 4	27.5	Ť							3									
TOTAL	01.0	262	•	•	ı	3	7	15	78	119	28	7	3	1	•	•	•	•

TABLE 317 015TR 100T10N OF GWST LOAD PACTOR POR THE DOVER AIR PORCE GAGE LOGISTICS, REDUIN RANGE RESERVE

9f 0CH R-141-1	OLCCA TIPF (MIN)	TOTAL PEAKS	-0.5 0.0	0.5	•.•	0.7	LOAI 9. 6	FACTOR 0.9	015701	1.2	(6) (1.3	1.4	1.6	1.8	2.0	2.5	3.0
; ; ;	10.4	43						17	26								
1 1 1	3.7							*	5								
1 11	4.3	1						1	i								
7 7 7	1.3	;						ľ	1								
	1.7 10.3 0.9	10						2	3								
2 4 3	3.5	3						i	į								
1 1 1	9.0	54				1	2	17	32	1							
2 4 3	3.0 0.5 4.8	i					2	7	10		1						
3 7 3	53.5	i						19	10	1							
2 7 5	22.5	46						5	41	•							
2 9 9	4.3	13					1	3	;	3	1						
2 10 7	14.0 1.0 135.0	110					1	1	1 92	3							
117	74.9 27.2	205 153					1	72	1 30	ž		ı					
1 14	173.3	151				2	1	102	202		_						
3 2 4	27.5 1.0	167 196 10				2	13	45 47 3	97	11 21 3	1						
3 3 2	92.2	211 273						79 101	124		1						
3 3 4	191.4	367 267			1	1	LT	131	2 0 2 1 3 4	53	1						
1 16	1.9 4.4 43.3	11 104				1	2	1 5	1								
3 4 4	122.5	262 236		1		•	ıį	96	144	2	2	2					
3 4 4	1.7	38					2	10	10	2	•	5					
3 5 4	29.6 157.9	269					5	67	127	2	1						
; ; ;	12.7 0.2 1.2	52 C					,	10	23	٨							
3 4 4	30.8 734.3	34 402			,	1	19	124	201	1 42	1 5	2					
3 6 6	19.1	19						4	11			_					
3 7 4	294.7 4.5 5.0	205					5	47	99	13	1						
3 3 3	325.0	270			ı	ı	7	43	196	10	1	ı					
3 9 5	1108.4	453			1	2	13	178 125	250	13	5						
3 10 4 3 10 5 4 1 7	2584.5 160.2 40.7	1667 319 85				10	53 25	472 94 24	1099 192 97	75	;						
	24.0	113				t	1	42	97 25	•	2						
4 2 2	32.9	34					2	15	19 31	3	_						
* ? ?	44.9 4.5 31.4	40 34 12 74			ı			12	23 7	3							
	94.6 70.1 53.6	147				1	10	24 45 93	46 75	10	1		ı				
: 3 :	9.6	52 21					29	15	16	31	2	3	•				
1 11	91.6	150					i	47	99	7		1					
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4.5	34					5	14	1		1						
4 4 4 4 4 5 4 4 6 4 5 7 4 5 7 4 7 6 4 6 7	117.0	244				•	10	45 93 15 10 49 47 2 2 14 100 2	122 10 49 90 40 2 10 103	20	•	1					
	22.0	27					1 2		16		1						
4 4 5	0.5	0					•	33	77	2							
1 7 5	245.9	271 43				1	13	3 77 16 6 177 623 983	197 21 7	21	2						
	20.7 020.4	13 540	1		1	:	36 55 52	177	290		5	•					
4 7 6 4 8 4 4 9 5 4 10 3 4 10 3 7 1 2 5 1 3 5 1 4 7 1 5	78-1 53-6 15-9 39-6 91-6 5-9 4-5 29-0 117-0 4-1 5-C 22-8 140-1 0.9 245-9 245-9 245-9 28-7 6286-4 2916-3 216-5 216-5 216-5 21-5 21-5	205 521 120 150 4 4 4 244 5 1 27 72 0 3 271 43 13 13 13 13 13 13 13 13 13 14 14 14 14 14 14 14 14 14 14 14 14 14		1	2	\$			296 1104 930	39 60 76	:	3	1				
4 10 4	216.5	3347 40		2	1	55	110	1304	1766 21 32 23 25	137	15 1	7	1				
1 1 2	21.5	31					1	13	33								
1 1 5	1.1							į	į								

TABLE Bay concluded start tearties or query take pactons for the cover an Proce sage toersties, menun annet erseen

							DATA SA	MAC 8									
OFOCK A-MA-V	1 [00	MAS	-0.5 0.0	0.5	•.6	0.7	0.0	PACTO 0.1	01570	1.2	(6) [.3	1.4	1.6	1.6	2.0	2.5	3.0
	20.2 5.9 3.9	13 33 40 13					ì	10 10 10	12 19 84	:	1						
; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	1.0 16.7 29.4 61.6 16.3	31 70 100 43				2	:	20	19 34 103 27	11	;						
	1.0 3.7 110.3 4.0 1.7	10]				,	•	1 12 2	110	14	,	1					
	149.2 2.6 9.9 5.0	234 11					11	77	120	19	3						
1 1 1	195.2 9.5 1.5 303.5	237 23 1				•	20	**	110 13 1	51	1	2					
	97.0 0.7 694.9	202					٠	97	176	,							
5 9 4 5 9 5 5 10 5 5 10 5	5712.2 1930.4 10.5 61C1.9 57.7	1400 722 1 3005			;	10 11	40 24 65	1402	2242 2242	126	13	:					
1 1 3	17.3 34.4 2.9	36 56 6						1	10 93 97 9	1	1						
	0.5 20.0 0.7 0.0 0.5))))))				1	1 1 3	17	25 20 13	ţ	;	•					
• • • • • • • • • • • • • • • • • • • •	1.0 14.4 21.1 95.0 11.0	26 3 19 65 316		1	1	•	2	100	10 40 197	,:	•	,					
	3.7 112.2 4.0	12 199 4			1	2	11	79	19	17	2						
	3.0 C.5 142.0 2.7	104 0 0 40 0						19	30	,							
	4.3 187.1 9.7	0 0 15					١	13	71 10	3							
TOTAL 4	361.1 671.6 312.5 768.5 6002.3	79 505 160 402 27201	• ı	•	24	1 114	11 2 5	104 194 52 197 7005	346 103 260 15070	30 20 13 13	1 2 164	1	3	•			

TABLE 330 DISTRIBUTION OF OUST LOAD FACTORS FOR THE DOVER AIR FORCE GASE LOGISTICS, LONG RANGE RISSION DATA SAMPLE

OF DC# A-MA-V	(MIN) TIME OFCCK	PEARS	-0.5	0.0	0.5	0.6	0.7	LOAD 0.0	PACTOR 6.9	1.1	L.2	1.3	1.4	1.6	1.0	2.0	2.5	3.0
2 10 3	54.9 2.2	15							•	:								
	4.5 0.5 2.0	0							•	•								
	4.0 1.0 1.0	0																
3 5 5	3.0 3.0	16 3							•	7								
3 0 0	2.0 16.0 174.0	10								12								
3 10 4 4 9 4 4 10 3	16.0 174.6 100.6 161.0	32 17 10						ı	17	14 12 11	1							
4 10 4 5 9 4 9 10 4	200.0	106					1	19	33 1 201	72 7 255	1	1						
	1.6 0.4 0.5 1.0	0 3							1									
	3.6							1	2	,		1						
	4.0									•								
TOTAL	9.0 92.0 1.0 1305.1	177	•			2	1 3	20 41	40 354	403	29 47	5 7	0	•	•			

TABLE 351 DISTRIBUTION OF SUST LOAD FACTORS FOR THE DOVER AIR FORCE BASE TRAINING HISSION DATA SAMPLE

	A1 0 AM							***									
PFOCK R-MH-T	TIPE	PEAKS	-0.5 0.0	0.5	0.6	0.7	O. B	C. 9	L.1	1.2		1.4	1.6	1.0	2.0	2.5	3.0
	(PIN)																
2 1 1	104.6	524				1	•	101	306	27	1						
2 1 3	29.2	147				1	•	46	70 3	17	5	2					
2 2 2 3	119.1	198			1	4	26	148	217 325	22 56	5						
2 2 4	14.1	143		3			17	212	40	32	10	7					
2 2 5 2 3 2 2 3 3 4	95.1	169			1	1	3	40	101	•	1	1					
2 3 1	95.4	350 463		1	5	10	17	154	167	29 71	3		2				
2 3 5	2.7	49				•••	2	11	2)	`i	4	ī	•				
2 4 2	9.3	10						i i	. •								
	2.6	45					•	17.	10	7	4	1					
2 5 5 2 5 6 2 6 3	1.0	l							à.								
2 6 3	1.0	0															
2 7 9	5.5	2							2								
2 9 5	1.0	0						1	1								
2 10 4	1.0	1							1								
2 10 5 3 1 1 3 1 2	297.5	1584					20	00د	945	95							
3 1 3	105.9	548				2	20	236	271	54	2 5	1					
1 1 4	38.7	1461		15	33	48	74 159	110 236	129 387	138 242	124	24	12	2			
3 1 6 3 2 2	475.1	1486				3	54	27 552	32 783	1 7	7						
3 2 3	94.4	2974 1246		13	25	25 81	122 154	1106	1424	250	36						
3 2 5	42.6	1031		16	31	42	122	247	312 210	211 176	103	47	11	2			
3 3 2	492.5	255 1107				5	.46	90 383	149 552	12	14	3	1				
3 3 4	278.0 116.7	1586		1	•	16	119	526 227	419	191	36	13					
3 3 6	2.0	2						2		•	•-	•					
3 4 3	14.0	12				_	2	2	. 4	- 12	<u></u>	_					
3 4 5	72.5	240			1	2	18	30 73	117	17	8	2					
3 5 3	61.2	27 25					1	9	13	3							
3 5 4	292.7 164.0	259 205				1	3 ?	70	156 127	14	2	1					
3 5 6	4.C	é						Ž	•								
3 6 3	33.4	11				2	_	5	4								
3 6 4	11e.2	107				3	10	36 52	50 74	15	7	3					
3 6 6	C.3	C															
3 7 3	15.0	26 14						3 7	19	4							
1 7 5	150.9	03			1	3		24	46	6	2	1					
3 9 3	1.0	9						1	í	1							
3 0 5	44.5	13						5	8								
1 9 2	37.5	G															
3 9 4	12.0	13 60					1	20	13 34	3	2						
3 10 3	119.5	0				ı	5	110	142	6	-						
3 10 5	844.7 2.5 41.9	264 2 165 77				•		1	1								
1 1 1	21.2	77					3	30	88 4. 7	14	1						
11;	C.5					3	3 2	2		1	2						
1 2 3	34.1	16 02 173 13				3	2 5	37 70	37 85 9	•	1						
: :::	10.7	13				1	5	3	9	•	i	1					
111	7.3	95				•	4	37	24			•					
	40.5						5	10	37	26	ļ	_					
	1.2	11				5	20	**	104	26	•	3					
: ; ;	31.9					2	4	36	41	,							
3 10 3 3 10 4 3 10 5 4 1 3 4 1 4 4 2 3 4 2 3 4 4 2 5 4 3 3 3 4 3 4 4 4 5 4 4 4 5 4 4 5 5 4 6 7 3	21.2 1.4 C.5 34.1 84.6 3.1 7.3 83.0 40.7 7.1 33.9 1.0 31.5 1.0 31.5	0							41								
: : :	3.4	7						10	3 16	•							
1 1 1	13.0	3						16 2 1		•							
4 7 4	1.0						•	į									
1 1 1	187.0	107					1 2	10	11	2							
	187.0 13.5 487.1 1246.0	175				1	2	97	110	5							
	1244.0	116 61 265 111 8 8 8 7 7 38 2 2 2 2 107 115 115						49	47	2							
4 7 5 4 0 5 4 0 4 4 0 5 4 10 4 4 10 5 9 1 2 9 1 3 5 2 3	4.0 9.4 13.5 13.5	37 61 27					1	25	27 32 14	1	2						
3 2 3	13.5	27						25 12	14	ī	-						

TABLE 301 emeleded 913711007100 of Gast Land Pacton payen all rains and Thanks statem

OFOCK R-M-V	OLOCK TIME (MIN)	PEARS	-0.9	0.0	0.5	•.•	0.7	0.0	PACTOR 0,9	1.1	1.2		1.4	1.6	1.0	2.0	2.5	3.0
: ::	0.4	•								•								
	3.6	I																
	27.4								ıi	46								
5 1 6	3.5	59							· i	13	•							
9 4 4	1.5	•							Ť	•••								
9 4 5	23.4	•							7	2								
	6.2	•								•								
, ,,	22.0	14								•	1							
5 4 5	24.0	14 70 149							•	•	1	1						
9 7 5	24.5	70							34	33 72 95 300	1							
9 8 9	1 99.5	149						1	73	72	1							
9 4 4	100.9	90						•	22	96	Ă							
9 9 9	979.5	779				2	1	27	109	100	41	7						
9 10 4	509.4	93				-	•	- 2	73 33 369 26	- 64	``i	•	•					
5 10 5	9.0								•••	•	•							
TOTAL	9999.5	22995	•	0	37	134	402	1241	7512	10160	2177	442	263	35	4	•	0	

TABLE B32 DISTRIBUTION OF OUST LOAD FACTOR FOR THE DOVER AIR FORCE BASE FLIGHT TEST HISSION

BFOCK A-MA-V	OLOCK TIPE (MIM)	PEAKS	-0.5	•.•	0.5	0.4	0.7	0.8	PACTOR 0.9	01870 JG		(6) 1.3	1.4	1.6	1.0	2.0	2.5	3.0	
3 1 3	10.3	20							11	14	1								
1 11	12.0	15 33							10	10									
; ;;	14.1	1							:	•	2								
3 3 4	5.1 2.4	13					1	1	•	10	,	t							
3 44	1.0	15						2		1									
; ;;	3.7	. 54 1					1	4	22	20	5								
; ;;	12.5	;						1	i										
; ;;	37.7	•								2		1							
3 1 1	13.0	ł								ļ									
1 11	21.0	34							11	n	_								
	12.5	13						1		10 24	1								
10 4	1.5	53							24	7	1								
	1.0	1								i									
	1.3	į					•												
	1.1	•						1	1	i									
								1	•	3									
	4.0							-		•									
TOTAL	245.4	204	•	•	•	•	2	111	132	253	13	•	•	•			•	•	

PISTRIOUTION OF COMP LOAD PACTORS TIMON AIR PORCE DASC LOCISTICS, METUR ARMS MISSION

87.0CK R-181-7	91.008 7 1mg 1 M1M)	TOTAL PEAKS	-0.1 0.0		•.•	0.7	L940 0.8	PACTOR	1.1	947 [0] 	"i.,	1.4	1.6	1.0	2.0	2.5	1.0
2 1 2 2 2 3 2 3 3 2 3 3	1.1 4.5 1.0 20.5 27.0	10		,					; !*								
2 3 4 5 2 4 5 2 4 5 4 5 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3.4 1.6 6.2 5.4	1		·				1 2 3	19	1							
	16.2 3.5 13.5 0.3	14					1	į		1	-						
2 4 4 4 2 7 4 2 7 4 2 7 4 2 7 4 4 7 4 4 7 4 4 7 4 4 7 4 4 7 4 7	2.0 12.2 0.5 64.5 3.0	12 37 0 97			•	1	;	15 94	*	•	:						
2 9 4 2 9 5 2 10 4 3 1 7 3 1 7 3 7 7 7	1.0 41.0 13.9 0.5 33.9	23 0 47						11 29	11	1							
3 2 3 3 2 4 3 3 2 3 3 3 9 3 3 4 3 3 5	7.4 1.0 49.5 61.5 40.7	11 0 87 163 79					1	34	100	1							
3 4 2	7.1 4.7 2.4 27.9 32.5	14 20 4 24 23				1	i	41 29 3 16	10 2 16	٠	1						
1 11	3.5 54.7 2 36.2	50						10)0 9 1	•							
3 7 7 9 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2.0 201.1 2.5 203.8 155.7 951.2	76 0 194 100 477				1	ı •	50 85 34 154	45 46 46 186	1	1						
3 1C 4 4 1 7 4 1 3	9.1 2.0	19				•	1	29	16	1	•						
4 15 4 27 4 23 4 25 4 32 4 33	0.1 17.1 4.7 1.3	23 12 3						:	17 8 2 15	ı							
4 3 3 4 4 3 5 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	27.4 27.4 26.6 0.6 0.0 11.8 30.7	95 94 9 1 22 45					;	10 15 2 1 7	24 19 6 2 14	2							
	45.3 .1.0 44.1 3.5	25 25 16						15 4	10	1							
	246.7 0.5 147.5 447.3	110			1	1		112	99	7	1	ī					
4 9 9 4 10 4 9 1 3 9 2 2 9 2 3 9 3 3	941.2 290.6 0.6 C.5	777				2	10	112	102 170 94 1	14	1						
5 11 5 14 5 15 5 41 5 55 5 61	0.4 0.3 4.7 4.9	323- 334 94 4 0 2 2 2 0 1 1							;	1							
	5.5 7.5 6.0 173.0 110.0	341 93					į	120 22 22	196 90 189	**	•						
	173.6 110.0 377.0 1.0 2.0 2.0						•	1	-	·							
	0.4 2.1 4.1 0.3 1.9 2.9 4.6 6.6 7.7 14.0 4704.5	361 93 190 6 1 1 1 0 9 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6															
	4.5 4.6 4.5 7.7 7.7							τ									
TOTAL	4964.5	3997	• •	•		•	69	1249	2001	124	17	ı	•	•	•	•	•

TABLE 334 DISTRIBUTION OF SUST LOAD FACTORS FOR THE TINKER AIR FORCE SASE TRAINING RISSION DATA SAMPLE

BLOCK M-HH-V	OLCCR TIPE (MIN)	TOTAL PEAKS	-0.5 0.0	0.5	0.6	0.7	C. S	FACTOR 0.9	DISTR:	0UT(DN 1.2		1.4	1.4	1.0	2.0	2.5	3.0
2 1 2 2 2 2 2 3 4	27.7 396.1 49.7 4.7	1407 501 73			1	5 1 1	39 24 3	1 946 198 22	3 605 231 17	1 63 77 22	;	2 3					
2 2 2 3 2 2 3 2 3 3 4 3 5 5	2791.0 594.0 20.5	9032 3436 380 21			2	10 10 5	220 105 26 2	19 3373 1242 111	4951 1644 164	433 304 64 3	1 20 30 7	6 7 3					
2 1 2 2 2 2 2 3 4	21.3 6011.7 3624.7 3176.4	14 20790 16586 9867		1 1 14	3 21 35	41 99 120	414 814 734	9 0148 6261 3336	11 10068 7910 4025	1003 1368 1230	82 176 279	26 92	2 2				
2 3 9 9 2 3 4 2 2 4 2 2 4 3	192.7 8.0 124.1 405.3	1765 55 543 1030		2	14	50 3 4	153 3 24 66	346 12 214 364	24 260 467	283 9 26 90	1 5 14	52	10	1			
2 4 4 5 2 4 5 2 4 7 2 5 2	672.4 834.3 64.7 C.5 54.2	2981 3888 273 0		14	13 24 2	44 67 3	214 309 22	1036 1304 103	1248 1526 109	327 429 31	117	71	;	1 2			
2 5 3 2 5 4 2 5 5 2 5 6	130.5 505.2 922.1 65.2	70 1225 1863 137		2 3 1	2 6	13 20 3	72 105	30 523 807 56	45 509 765 53	1 86 116 11	14 23 3	4			1		
2 4 2 2 4 3 2 4 4 2 4 5 2 4 4	24.3 309.1 1154.8 1440.7 43.1	11 183 1546 3079		2	3	13 27 2	176	72 430 1232 31	100 724 1341 33	200	2 8 50 2	3 21	5	1			
2 72 2 73 2 74 2 75 2 76	28.5 472.3 1131.9 1426.2 56.8	3 323 1722 3659 45		1	3	2 19 29	13 55 161	1 136 748 1941	153 794 1668	13 80 213	2 15 42	2 5 2	2				
2 6 5 2 9 3 2 9 4	1.5 143.9 5.5 18.9	133 6 39		2		2	2 10 1	10 54 1	52 3 19	12	1						
2 9 5 2 10 3 2 10 4 3 1 1	23.6 28.5 13.7 15.5	138 27 47 7				1	1	61 10 19 2	59 13 16 5	10	Ž	1					
3 1 2 3 1 3 3 1 4 3 2 1	851.3 142.7 2.3 37.8	3123 1061 24 42			1	7	49 26	1122 410 8 13	1753 520 6	91	:	2					
3 2 2 3 2 3 3 2 4 3 2 5	4714.7 1826.2 P3.4 3.1 6.2	15290 8620 647 74		1	1	17 15 5	315 332 40 5	5028 3341 213 24 7	8475 4338 287 25	621 528 01 14	30 49 16	12					
3 3 4	9637.3 10158.9 2773.0 398.7	24469 37831 17816 3668		17	2 13 35 17	39 137 207 81	574 1362 1129 269	9734 14514 6212 1148	13142 19103 7792 1433	914 2401 1951 515	56 259 388 157	37 78 47	1				
3 4 2 3 4 3 3 4 4 5 5	5.2 209.6 720.2 1120.2 1314.1	593 2082 4998 4562		3	1 19 22	2 10 57 61	5 10 79 315 322	23 228 785 1754 1662	312 1023 2093 1931	36 159 586 423	2 23 116	1 2 50 36	;				
3 4 7	48.4 0.4 166.1 921.0	141 0 27 116			1	.3	2	49 11 51	#3 16 54	•							
	1224.5 1935.1 42.4 6 132.0	2040 2814 72 3		*	1	12 42 1	150	779 1078 31 2	1026 1273 31 1	117	12 36 1	20	٠				
3 4 3	1047.5 3204.8 2493.4	297 3344 3930 161		6 2	•	21 17 1	149 173 13	1344 1440 440	147 1549 1630	201 204 11	1 38 30 2	11					
3 7 2 3 7 3 3 7 4 3 7 4	290.4 2239.7 4079.7 4344.3 113.1	14 771 4619 5322 178		2	2	10 16 16	14 110 170	300 1929 2469 77	13 434 2396 2724 80	22 15i 207	13	ţ					
	70.0 74.1 376.2 0.3	24 146 691		2	,	12	1 91 1	61 259	13 56 289	1 13 54	5 11	;		1			
3 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1.0 344.1 301.7 313.2	0 161 473 213		1	2	•	29	35 205 70	103 100 124	20 20	13	10	1				
10 1	205.1 404.8 47.7 1.1	412 42 1			1	•	30	222	31 · · · · · · · · · · · · · · · · · · ·	20	,	3	1				
	256.6 65.3 0.2 1.7 746.0	1270 407 0 1 1425				18	27 17	453 735	714 324 2135	\$\$ 1.1	;						
: !!	****	3014			1		302	1196	132	196 342 35	11	1	1				

TABLE 834 established DISTRIBUTION OF GUST LOSS PACTORS FOR THE TIMES AIR POACE BASE TRATING MESSION

							DATA S	MPL C									
N-MH-A	BLOCK TIME (MIM)	TOTAL PRAIS	-0.9 0.u	6,5	0.4	0.7		PACTO		1.2	"[.,	1.4	1.0	1.0	2.0	2.5	3.0
1 2 3	0.9	:						1) a		1						
	1910.0 9104.2 1924.4	8206 22329 7211			10	70	799	2326 0376 2926	11994	1499	1100	1					
1 11	163.9	942 24			•	•	51	261	361	110	29	7					
	61.6 986.2 595.2	241 3953 2612			8	15	137	101 1479	1030	245	27	2 12					
	797.4 16.0 15.7	1006 27		1	7	71	**	676 11	10	170	25	ii					
	171.1	25 224			_		10	1 1 0 0	110	12							
	13.3	1292		1	,	5	65	520	*19		10	,	ı				
	191.3 498.7 1110.9	18 476 1295		1		ı.	23	501	219	24	!	1					
4 4 6	17.2	24			•	•	1	530	10		1	1					
1 7 3	401.6 1246.2 1674.7	91 627 2243			1	3	17	29 231 914	397		17	;	1				
	22.7	40		•	-	-	•	24	26		••		•				
: : ;	100	140					1	7	12								
4 9 3	3.0 16.0	17 242			ι	1	19	1	13	31	•						
	3.0 3.0 41.2	36 0					1	14		i	7						
3 1 2	19.4	170					,	47	155	•							
1 2 1	12.8 0.9 124.8	**					•	24 123	284	? 23							
7 7 3	164.2 6.9 0.3	791 23				1	19	290	14	**	1						
1 1 1	115.7 115.7	315 2110						110	.100	11							
; ; ;	79.4	749 290			l l		71 41 13	700 200 70	1193 344 129	69 69 17		1					
5 4 2	3.0	706					•	101	3	19	1						
	138.9 313.2 4.7	194 454 19			ı	1	13	170	234 10	19	Í	2	ı				
{ } ;	48.9 127.7	113						1	•		_						
3 3 3	393.3 7.4	10			1		21	32 170 3	194	1 2	1	1					
	116.4	232					į	111	122	12							
; ; ;	654.7 5.4 13.0	404					Ĭ	15	144	20	•						
1 7 4	307.8	203					1	197	30 210	7	1						
: ::	36.2 36.3	1000				٠	**	13	376	5 0	•						
	101.3	7					1	13	1	ļ							
; ;;	15.0 15.0	24						10	, į	ı							
5 10 3 5 10 4 70744 131	77:7	111200		173	337 1	740	12794	11	19972	21194 1		709	63				•
									-					_	-	-	-

TABLE B95 DISTRIBUTION OF BUST LOAD FACTORS FOR THE TIMMER AIR FORCE BASE FLIGHT TEST RISSION DATA SAMPLE

a-H-T	OLCCR TIPE (MIN)	TOTAL PEARS	-0.5	0.0	0.5	0.6	0.7	0.0	PACTOR 0.9	DISTRIB	1.2	1.3	1.4	1.6	1.0	2.0	2.5	1.0
3 22	4.9	24							:	15	ı							
	14.0 36.9 4.4	43 107						1	14	15 2 26 54	•	L						
	3.0 23.0 9.7	13					ı	2	2	9								
	1.1 1.1						•	•	•	ź								
	0.5 4.0 6.3	i								ı								
3 7 4	19.9	1							3	;	1							
	4.3 2.3 4.3	:																
3 10 1	0.1 58.0 1.4	25							12	1 10 3								
: ;;	1.5	i							•	í								
	6.5 4.4 1.7																	
	4.2	i						1	1	;	1							
4 4 5 4 7 5 TOTAL	2.1 0.4 250.4	253	10		•	•	1	•		143	11	1		0	16	•	989	0

TABLE 336 DISTRIBUTION OF GUST LOAD PACTORS FOR THE TRAVIS AIR FORCE BASE LOGISTICS, HEOLUM RANGE MISSION DATA SAMPLE

Number Park Park	2.5 3.0
2 2 2 2 28.7 97 2 24 28 1 2 2 2 3 1 3 3 1 3 0 24 3 1 4 3 3 1 4 2 3 1 1 4 3 3 1 4 2 3 1 1 4 3 3 1 4 2 3 1 1 4 3 3 1 1 2 4 3 1 1 2 4 3 1 1 3 1 2 3 1 1 3 1 2 3 1 1 3 1 2 3 1 1 3 1 2 3 1 1 3 1 2 3 1 1 3 1 2 3 1 1 3 1 2 3 1 1 3 1 2 3 1 1 3 1 2 3 1 1 3 1 2 3 1 1 3 1 2 3 1 1 3 1 3	
2 2 7 C.5 1 2 2 4 3.0 24	
2 3 3 13 8 3 4	
2 9 9 2 2 0 0 0 0 2 4 4 17+ 7 1 1 3 11 20 22 8 2 3 1 2 4 5 22+5 57 2 7 15 24 6 2 1 2 2 9 4 7 4 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
2 4 4 17.0 71 1 3 11 2C 22 8 2 3 1 2 4 5 22.5 57 2 7 15 20 6 2 1 2 5 6 7.0 12 1 7 4 2 5 5 19.6 90 4 2 2 2 2 6 4 3.0 70 7 2 2 11 11 1 2 7 4 4.0 1 1 1 1 1 2 7 4 4.0 1 1 1 1 2 7 4 4.0 1 1 1 2 7 4 4.0 1 1 1 2 7 7 1 19.5 20 8 8 1 2 8 5 41.1 12 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
2 9 4 2 9 0 12 1 7 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
2 6 4 3 0 0	
2 7 4 4 0 1 1 2 1 1 2 2 2 2 4 2 3 3 9 8 3 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 1 3 1 1 1 1	
2 8 9 41 1 12 2 9 4 79 1 1 36 1 2 4 25 16 4 2 1 1 2 9 5 16 5 24 2 10 4 83 0 67 2 10 5 17 5 0 2 10 7 44 3 1 2 194 5 298 3 1 2 294 155 3 1 3 1 3 22 5 30 1 1 3 12 3 1 4 3 5 26 1 1 13 12 3 2 2 340 0 437 3 2 1 98 6 107 3 2 2 340 0 437 3 2 1 98 6 107 3 2 2 340 0 437 3 2 1 98 6 107 3 2 2 340 0 437 3 3 2 3 4 3 1 3 94 3 3 3 3 4 3 3 5 4 6 2 1 1 3 3 3 4 3 3 5 4 6 2 1 1 3 3 3 7 296 6 344 2 2 2 3 3 6 1 7 4 3 6 7 3 5 1 3 3 3 7 296 6 344 2 2 3 3 6 1 7 3 7 8 1 1 2 3 1 3 3 3 6 1 1 7 4 2 1 1 1 1 1 3 3 3 7 2 3 7 3 7 8 1 1 2 2 1 1 1 1 3 3 3 8 1 1 7 4 4 4 4	
2 9 9 16 5 24 3 9 0 3 1 2 10 4 63 0 67 2 17 44 4 3 1 7 44 4 3 1 2 10 4 6 2 9 6 3 1 2 10 4 6 2 9 6 2 9 6 3 1 3 22 5 3 0 1 1 13 15 1 3 1 4 3 5 26 1 1 13 15 1 3 1 4 3 5 26 1 1 13 12 1 3 2 2 3 4 0 4 9 7 9 163 2 4 9 16 3 2 3 4 3 6 5 5 3 1 3 2 3 4 13 5 9 4 7 1 1 1 1 1 1 1 1 3 3 3 4 13 5 4 7 1 1 1 1 1 1 1 1 1 3 3 3 4 23 5 4 8 7 1 1 1 1 1 1 1 1 1 3 3 3 4 23 5 4 8 7 1 1 1 2 1 1 1 1 3 3 3 7 23 5 4 8 7 1 1 4 22 10 1 26 7 30 5 1 3 3 7 23 6 17 4 6 10 3 7 8 1 1 1 2 1 1 3 3 8 1 1 7 4 6 10 3 7 8 1 1 1 2 1 1 3 3 8 1 1 7 4 1 1 2 1 1 1 1 3 3 3 6 1 1 7 4 1 1 2 1 1 1 1 3 3 3 7 4 1 7 8 1 1 2 1 1 1 1 3 3 3 8 1 7 4 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
2 10 9 17 6 C 3 1 2 194 5 298	
3 1 3 22.5 3C 1 13 15 1 3 1 4 3.5 26 1 13 12 3 2 2 340.4 437 9 163 244 16 3 2 3 98.6 107 4 38 60 5 3 2 4 31.5 44 3 8 60 5 3 2 4 31.5 487 1 1 4 2 3 3 7 796.6 344 2 11 1 4 22 13 1 3 3 3 413.5 487 16 190 26 13 3 3 7 74.6 193 9 7 9 2 11 19 3 3 3 7 74.6 193 9 7 9 2 11 19 3 3 3 6 1.7 4 1 2 2 1 3 3 7 74.6 193 9 9 2 11 19 3 3 3 6 1.7 4 1 2 2 1	
3 2 2 340.0 437 9 163 249 16 3 2 7 98.0 107 4 38 60 5 3 2 8 4.2 19 1 1 8 2 3 3 2 7 98.0 344 2 19 1 1 8 2 3 3 2 7 98.0 344 2 13 1 3 3 3 413.5 487 16 .90 266 13 3 3 4 233.4 522 1 1 4 22 191 267 30 5 1 3 3 5 1.7 4 1 2 1 1 1 9 3 3 3 6 1.7 4 1 2 2 1 1 1 9 3 3 3 6 1.7 4 1 2 2 1 1 1 9 3	
3 2 9 4 2 1 1 3 2 3 4 3 3 3 2 7 4 2 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3	
3 3 3 413-5 487 16 190 266 13 3 3 4 233-4 522 1 1 4 22 191 267 30 5 1 3 3 5 44-6 193 9 92 111 19 3 3 3 6 1.7 4 12 6	
3 3 5 44.6 143 9 9 52 111 19 3 3 3 6 1.7 4 1 2 1 3 3 4 2 20.3 78 1 27 44 4	
3 4 2 29.3 78 1 27 44 4	
7 4 7 149.5 115 1 7 46 60 6	
3 4 4 327.4 45; 9 172 253 20 1 3 4 5 326.0 47; 3 3 1 24 179 227 29 6 1	
3 4 4 11.7 23 3 5 3 29.3 47 3 14 27 2 1	
3 5 4 92.9 114 2 37 65 8 2 3 5 5 397.2 386 1 3 8 32 105 189 36 8 3 1 3 5 6 4.0 0	
3 6 9 14 1 2 3 6 4 61 2 7 2 2 2 3 3 4 2 2 1	
3 6 7 79C.5 317 3 10 113 173 14 3 1 3 6 6 C.5 0	
3 7 3 32.5 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
3 7 1 1059-1 790 3 15 266 473 39 1 1 3 7 6 2-4 0 3 , 3 8 3 66-2 1	
3 8 3 66c0 2 1 1 5 23 15 6 3 5 2 3 8 6 7 17 15 6 1 5 2 1 5 6 3 5 2 6 7 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	
3 9 3 4.3 2 3 9 4 2764.2 1936 4 11 66 700 1056 86 9 1	
3 9 5 2522.2 1370 1 5 9 51 320 703 71 5 5 3 10 3 102.6 9 2 6 1	
3 10 4 6132.6 2103 5 4 9 72 440 1204 141 21 7 3 16 5 297.1 72 1 25 40 4 1 7 142.1 207 44 132 7	
4 1 3 32 9 3 1 4 1 4 1 6 17 1 6 10	
4 1 1 2.3 C 4 2 1 1.0 C	
4 2 2 192.7 146 2 57 87 2 4 2 3 159.4 215 5 94 107 9	
4 2 4 3C-1 1C2 1 7 31 53 9 1 4 2 5 4-7 42 2 12 23 3 1 1 4 3 7 127-3 77 1 29 42 3	
4 3 7 127-3 77 1 29 42 3 4 3 3 424-9 568 9 200 345 18 1 4 3 4 179-5 361 2 9 129 193 24 4	
4 3 5 100 9 336 3 15 115 101 20 12 1 4 3 6 303 3	
4 4 2 9.3 C 4 4 3 110.5 39 12 27	
4 4 4 201.7 241 2 2 4 45 121 12 2 5 4 4 5 344.1 682 2 6 45 214 334 55 15 11 4 4 6 2.7 17 1 3 11 1 1	
4 9 3 28 4	
4 5 5 400.5 461 1 2 5 20 156 237 31 5 1 2 1 4 5 6 12.0 2	
2 24 27 1	
4 6 8 411.4 250 5 85 152 7 1 4 6 6 3.5 0 4 7 7 26.0 0	
4 7 4 299.0 94 1 1 35 56 1 4 7 5 1004.0 227 1 2 10 90 111 11 2	
4 7 4 1.5	
4 8 3 94.0 0	
4 6 3 40.0 4 6 4 125.5 3 4 6 5 1650.6 492 1 6 14 31 350 503 61 20 6	
4 6 3 40.0 4 6 4 125.5 3 4 6 5 1650.6 492 1 6 14 31 350 503 61 20 6	

DISTRIBUTION OF OUST LOAD PACTORS FOR THE TRAY (AIR FORCE SASE LOGISTICS, MEDIUM RANGE MISSION DATA SAMPLE

a-m-		PEARS	-0.5 0	.0 0.	5 0.	4 0.1		D FACTO	A DISTR 1.1	1.2 1.2		1.4	1.6	1.0	2.0	2,5	3.0
5 1		47 114 127 12				1	1	23 26 37	24 64 65 11 2	;							
5 2 3	2 14.2 3 63.5 4 12.3 5 6.7	24 99 55 24					2	39 10 4	15 55 34 17	1 3 1							
	111.3 66.2 116.1	89 218 343 12				1	5 3 20	33 86	112	7 14 24	3	2					
5 4 6	36.7 302.1 6.2 5.5	23 279 22 0			1	2	16	10 85 7	13 140 10	25 1	2	1					
3 5 6 5	105.5 2.0	121 12 0			1	1		51 2 1	83 10 7	,		3		1			
5 7 5 7 5 7 5	1.0 387.7 1091.2	227 0 45 219				2 1	1	90 51 92	104 33 116 2	3	1	1					
5 8 9 5 9 6 5 9 9 5 10 1	1493.4 5159.1 6 0452.2 131.7	771 1633 2355 2 3225			1) 3 1 7 1 12	53 57	337 448 890	358 1007 1295 2 1005	33 61 64	14 11 19	1	2				
5 10 5	942.0 52.1 93.1	42 62 139 25			•	•	,,	20 14 41	22 48 91 14	7			•				
4 2 4	72.0 27.2 19.0	13 93 79 84					3	5 28 31 23	\$ 55 39 44	• 7 10	1						
6 3 3 6 3 3 6 3 4 6 3 6	1.9 94.0 68.8 189.4	0 89 137 490 3			1	1 1	26	34 55 166	46 67 243 2	;	1						
	0.5 20.0 27.2 352.3	0 21 12 268		;	L 1	l 6	1	•	12 7 136	1 20	5						
6 5 4 6 5 5 6 5 6	19.2 401.2 1.0 5.5	97 0					1	30	26								
• • • • • • • • • • • • • • • • • • •	6.5 519.1 6.5 987.9	41 C 173 0 544				4	1 •	13 64 259	27 84 250	21	3						
6 10 4 6 10 5 7 CTAL	1231.5	162 1511 219 1 41569	0	0 3:	3		51 1203	67 620 78 1	85 753 139 22507	71 2 2017	305	85	13	1	J		•

TABLE B37 DISTRIBUTION OF GUST LGAG FACTORS FOR THE TRAVES AIR PORCE GASS LOGISTICS, LOGISTANGE RISSION DATA SAMPLE

						3		HAP &									
OF OCK	OLOCK TIM (MIN)	TOTAL PEARS	-0.5 0.0	0.5	0.6	0.7	L040	PACTOR 0.9	0157010 1.1	1.2	1.3	1.4	1.6	1.0	2.0	£.9	1.0
: ::	2.1 7.9	1						ł									
1 11	1.5 0.5 1.0							2									
2 1 1	6.0	10		`				•	4								
2 4 5	3.5 3.5 0.5		•				1	3	1								
2 1 5	9.5 2.0 2.0	i						;	•	1							
2 1 1	2.0 1.0 1.0	1						1	2								
3 1 2	1.0						1	20	42	2							
3 1 3	2.4 100.5 35.0	44 12						23	22	1							
3 3 2 4	13.3 47.5 50.5	13 10 57					1		12	i							
3 3 4	44.2 10.4 4.8	47 20					2	10	17	i	1						
3 4 3	23.4	31					1	30	34 17		_						
3 5 7	59.3 1.5 5.6	30					1	18	ï	1	1						
3 5 4	22.5 76.1 1.0	57				1	1	10	13	1							
; ; ;	2.0 9.2 9.5							ı	7								
3 7 3	102.4	10							i	3	1						
; ;;	110.4	20						•	ıi								,
3 13	10.0 91.8 004.5	29					1	1	13	2							
1111	193.8 3770.0 941.2	402			1	1	10	256 100	37 314 119	20							
4 16 7	841.2 474.0 23.6 7366.6	1199			1	ī	11	23	17 1 711	19		1					
3 4 3	0.5				•	•	••			••		•					
	24.0 1345.0 1940.0 5471.0	274 124		1			;	**	134	12	1 1 3	1					
3 10 4 3 10 3	34.0 12.4	134		1	3	1	24	404	419	41	,	1					
• ;	25.3	113					1	**	30 36 7	2							
: ;;	17.0 5.9 3.7	20 17					1	•	11	2							
	8.9	19					ı	;	17	ļ	_						
	10.7 59.7 0.2 2.2	167				•	,	97			1						
	90.4 9.5 197.4	100	•			ı	1	94 10	91 21	20	3	1					
	1.0					1			•								
: ::	2.2 90.0 107.0 1.0 1.0 190.2 100.2 1.5 270.3 720.3 720.3	100 20 20 20 20 20 20 20 20 20 20 20 20 2				•		*	90 90	1							
	270.3 720.5	***					;	100	74 200 200 10	**							
• 10 • • 10 •	27.0	41						25	10	1							

	***							101			441						
OL STEEL	110	PEARS	-0.5 0.0	0.5	•••	0.7	47	5.0	17.7		''i.,	1.4	1.0	1.0	2.0	2.5	3.0
1 11	1000	213				•						•					
	10.5	74					1	100	170	10							
1 11	79.5	196				. 1		4	145	12	1						
	7	120				1		27	140								
111	754	196 116 11 64 120 73				i.	i.		ii.	14	. 1						
	E	1					1			4							
1 11	11	1					L	1		1							
	4.1	24					•	19	•		1						
		_1															
	4.9	1270				٠	12	444	701	54		1					
3 1 4	101.1 101.1 11.1 120.1 101.1	1279 390 300 190 190 190 294 44 297 1105 305				:	21	- 13	- 701 701	94 13 41 10 87 99 20 9	1	2					
	186.1 100.4	1000					111111111111111111111111111111111111111	3		**		1					
	-	294 44				į	7		110	20	•	3					
111	100:1 200:1	1100			i	10	3	***	**	74	13	;					
	1.7	•			1	10	30		300	30	•	,					
3 44	198:1	255					17	11	H	14							
	101-1 170-3 200-3 270-4 200-3 200-4 210-4	20 20 20 20 20 3			1	8	14	150	144	1	3						
3 5 3	200-2 200-4	100		1	•-	}	ı.J	·	- 1	ıi							
	2.7 10.4 180.3						10	107	127	11	2						
3 4 4	189.5 901.0 299.6	19 921 199				•	21	148	142 72	•		1					
						1	. •	72		•							
	277.	300 100		1		1	.	#	191 191		3	1					
; ;;	190.3 1.2 4.0 13.3	7				•	•	3	•	1		1					
	13.3 5.6 136.0 21.4	-7					ı.	1	7	2	1						
3 10 3	21.4 54.0 49.5	143 1 21 112					į	•	11 72		•						
	21.5	90					į	**	72	Ť							
	10.0									•	١.						
	12.0	22				1	•	7	3	•	1						
	11.2	3					1	Section.	13 40 7 13 4 81 80 110 9								
	110.5	201			1		12	14	115	70	1	3					
	100.3	1						98									
	1.0						•			•							
		n					. 8.	. 10	ţ								
	19-2	1						i	å	-							
	E	7				1	4			•	3						
1	3.0 3.0 10.0 10.0 10.0 10.0 10.0 11.0 10.0 110.0 100.0	25 110 22 20 7 7 40 90 12 12 10 12 10 12 10 12 10 12 10 12 10 10 10 10 10 10 10 10 10 10 10 10 10				*****			1	1							
	H	i	<u>.</u>	_	_						D-1						
TOTAL 10	1002.2	71044	• •	2	5	49	···	خفانه	2074	996	72	22	•	•	•	•	•

id a

49

TABLE BJ9 DISTRIBUTION OF GUST LOAD FACTORS FOR THE TRAVIS AIR PORCE BASE FLEGHT TEST RISSION DATA SAMPLE

OFOCK R-MH-V	OLOCK TIMF (MIN)	PEARS	-0.5 0.	• •.		0.7	0.0	-	1.1	1.2	16)	1.4	1	1.0	2.0	2.9	3.0
3 1 2	14.4	**					4	33	98	1							
3 13	5.4 16.5	96 25 76 101 5						38	90 16 40	,							
3 5 3	20.1	101					i	34	- 42								
3 2 5	26.1 3.2 1.0 10.0	•						1	•								
3 3 5	10.0	17						20		2							
1 11	30.0	97					1	30	93	•	ı						
; ;;	4.4	1							Ť								
3 4 3	12.0	13							ļ								
; ; ;	10.4	•						3	•								
3 3 2	10.4 3.7 1.0 10.0	•							•								
1 11	10.0	;															
5 5 5	10.1	14						ļ	į,								
3 5 6	5.3	1							i								
; ; ;	24.4							1	1								
3 6 6	7.0	į						_	•								
; ;;	1.1	- :					1										
3 7 4	17.5	26					i	11	10	•							
1 1 5	29.9	•				1		•	1								
3 4 4	2.5	- ;						1									
3 9 4	2.2	•					ı	1	į								
10 3	1.0																
10 4	11.2	3)							26	•							
: 13	1.2	•							•								
4 2 3	1.5	i							•								
* ! *	0.3	3						i	ļ.								
: ::	1.7	•							1								
4 1 4	1.0	•															
1 11	2.7								3								
4 5 5	1.2	•						•				•					
: ::	0.8 21.9 22.9 1.9 2.5 2.5 2.0 0.8 11.9 0.3 0.7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0							1	ı								
4 7 5	12.1	j															
TOTAL	321.7	990	• () (•	ı	18	304	315	25	1	•	•	•	•	•	

TABLE 840 DISTRIBUTION OF SERIVED VENTTEAL SUST VELOCITY FOR THE CHARLESTEN AIR POOCE SASE LOGISTICS, MEGIUM RANGE RISSION DATA SAMPLE

							84	ATA S	PUBL S										
0-100-A 20046	PILES	PEARS	-15 -10 -	24	- 24-1	7.4	-16	-12-5	-14	-7.5	-5	INTIE	* IFT.	/88C.	.12.5	-10		-20 -25	
	7.5	43	100				•		ì	2	14	10	•	;					
1 11	9.2)1 14							•	;	3	10	;		1				
1 1:	5.9	20								1	1	13	•	1					
2 3 3	2.3	•									•								
1 ::	10.4 29.4																		
1 11	25.4																		
2 7 9	29.5																		
: ::	13.5																		
; ; ;	125.4	191						1	•	20	33	95	47	13	•	1			
3 1 3	116.4	45						i	2	•	21	10		•	1	•		1	
; ;;	274.7	320			1	1	1	•	26	*	21	24 44 47	• • •	27		1	1		
3 2 3	155.9	135			1	1	1	1	1	11	34	40	22	7	1	•	,		
3 2 5	0.3	•				•		1				3	;	1	ĭ	_	•		
3 3 3	71.7	40							7	:	27	12		3					
1 11	200.0	207						-1	9	17	51	77	25	12	12	2	1	•	
3 4 3	90.0	49						2	•	7	23	10	12	3	2	11			
1 : ;	270.0	136			1			1	•	÷	32	95	10	3	•	1			
; ; ;	120-4	50			-				2	,		27	•						
3 5 5	494.2	94							•	í	15	42	15	1	1	1			
3 3 4	10.4																		
1 11	141.0	16											•						
3 4 6	30.2	3								•	11	1,	ì	1					
1 7 1	139.4									ı	1								
1 7 5	700.1	101						2	1	2	35	37	10	•					
; ; ;	1443.3	44					1		1	7	10	14	1		2	2			
1 11	10.0	122						1		9	42	64	5	2	1				
3	2110.4	14						•		i	•	7	i	i	•		1		
3 10 4	11121.1	400				2		2	•	32	152	104	27	•			1		
: ! ;	7.1	•								i	19	11	14						
4 1 4	0.7	73											••						
: ;;	101.7	110							1	19	ii	11	13						
: ;;	29.2	2									1	1							
• ; ;	24.4	2												_					
	143.4	14						2		•	20	36	;	3	3	1			
• • • •	0.7	;									ı	;	1	1					
: :;	103.0	14						1	•	•	20	21	•	•					
	4.6	9									•	•	3	B.					
: ; ;	135.0	23							1	L.	1	10	1	L					
: :;	2130.5	23									,	14							
4 7 4	71.4	14								1	7	•	2	1					
: ::	1407.4	10								8	3		i	1					
: ::	3770.4 47665.0	124						2	i	13	111	205	15	3					
4 9 5	8627.0	27									•	19	3						
: 10 ;	23.1	334							1	•	84	131	11	\$					
; ; ;	30.0	94					1	1	1	:	3	3	11		•	1			
3 1 .	4.6	1					•		•	•		l l		•					
1 11	10.1	1:						1		3		;	1	1					
: ;;	10.1	11								1	:	2	•	1					
	47.5	,										:	1						
:) 1	107.5	**							•	:	20	21	.;		1	1			
; ; ;	12.7	*																	
: ::	10-1	•					1	8		•	10	10	•	9					
	1.4	•																	
: ::	140.3	19				1		8	1		,:	17	,	- 1		1			
1 11	2317.0	6							•	•				•		•			
. 7 .	0.0	1										•	•						
: ::	99.6	100						1		10	at	73	10	•					
; ; ;	49719.4	196 937 110			1	1		10	12	**	101	401 N	1		4	•		1	
1 10 1	2003275					•				_								•	
; ;; ;	1041775	***					1	•	•		130	140	••	10		•			

TABLE 840 concluded PISTRIBUTION OF DECIME VERTICAL BUST VERCETTY FOR THE CHARLESTON AIR FORCE BASE LOGISTICS, MEDIUM BARGE MISSION

33.	00°4	ABUT ICAL PILES 40.0 11.7	TOTAL PEAGS 41 129	-96	-50	-25	-10-	17.5	1	-12.5	-1¢	-7.5 -21	CISTO	NOVI CON	101. 17.5	/SEC. 1	-12-1	-19	•17.1 1	• 30	• 29	٠	34-35
•	1 1	11.7	11									1			1								
		2.1	- 1										•	•	•								
ě	1 3	74.1	72					1		2	7	11	12	19	15	9							
•	2 4	25.3 23.0	72 93 19								3	11	14	10	11	- 1	1						
	2 5	33.0	19							1			•	10	8								
•	• • •	. 27. 1													2	.1	_						
		135.1	100						1	•		10	- 52	19 10 10 10 11	17 27	12	- 1						
Ĭ.	1 4	12.1									•	•	,,,	4.			•						
•		40.1	24								2	1	•	•	13	•		9	1				
	4 5	4-12-1	100					2	1	. 9		•	-	• • • • • • • • • • • • • • • • • • • •	1	ţ		i	i				
•		6.4	•																				
•		101.4														_		_					
•	::	19.1	134						1		•	13	33	93	10	9	•						
	11	23.3	7									•											
ă		930.€	72							3	2	•	10	36		3							
•		13.1									-			7.7									
•	7 4	20.0																					
•	7 5	994.1	29									,	10	10	3		ŧ						
•	::	1990.7	42											-									
-		4993.4	49									;		77	- 5								
ĭ	• •	2304.7	100				1	1	1	į		19	37	23	25	•	- ;	1	1	1			
•	10 .	19:0.0	23				•	•				1	•	11	-				•	•			
16	TAL	291 190. 1	7302	•			. 9	19	19	75	107	977	1101	1047	054	214	105	10	11	•	•	•	•

DISTRIBUTION OF BOSTIVO VENTICAL SUST VELOCITY FOR THE CHARLESTER AIR FORCE DATA TRAINING PISSION

9-10-4 01.055	MANTICAL PILES	-	-11 -					-11	11.1	-16	-7.5	-1		. 151.	/10C. I	•13.1			•20 •		
1 1 1	14.4	83					1		17	14	ij	•		16	11 15 15 15 15 15 15 15 15 15 15 15 15 1	*	1		***		
	110.5	101					-	•		**	20	**	1 N 20 21	14 99 10			12				
1 11	20.7	140					B	1	1	21 14	37	30	**	24	10	ı	1				
3 1 3	78.4	297							•	1	12	40	-	79	,	ŀ		2			
	140.0	24							20	72	-1	•	111	100				•			
	98.4	176					•	•	••	7	10	47	•	38	11	11	i		1		
1 11	10.1	170					1	2	:	14	25	.:	32 27 27	*	19						
1 11	10.3	110							•	10	15	10	71	17	1	- 1	;		1		
	4.1	13							•	•	1	•		1		•		•			
3 3 3	10.1	10									į	;	1		;						
1 11	14.5	**							1	1	•	17	1	•	•	ı					
1 11	4.0	•											•								
1 11	9.0											1									
1 1 1	12.0	1										i									
1 11	90.1											•									
	119.1	11										,									
	17.1	:																			
3 10 4	1014.0	20									•	10	•	8							
: 1;	1.7	1										- 1				1					
: ;;	1.6	10							1	1	1	•	•								
: ::	9.6	1								Ť	•		-	i							
		•										1									
	13.4																				
: ::	11.1	:																			
	49.7												•	1							
	10.6																				
: .::	303.1	10										2	12								
	3.4	14																			
: ::	1.1	4								1	1	- ;	1			1					
: ::	4.6	;								1	Ĭ.	•	1	1							
	7.7	•										,	•	•							
1 11	17.0												•								
: ::	20.1	•										ě									
	90.9								_												
	301.0	201						1	•	•	39	111	100	1	•	8					
161m	9190.4	2143		•	•	•	•	20	n	204	400	730		***	100	43	34	•		• •	

CHARLES OF STATES OF STATE

-	RAUTICAL PILES	1014	-10 -	.		 40 -12.	 10	-1.5	01070	-	107.	100.1	-11.5	-15-1	17.6	•	• 88	
TT	20.1	10		10	1	1		3	11	1	9	1	10.000					
1 1:	6.3 5.9	- 1							1	•								
1 11	9.1	•						1			•							
1 11	13-7							•		•	•							
1 11	112.0	11								•	1							
1 11	11.1																	
1 11	40.1	17						ı	1		1							
1 11	4.1	•								•								
1 11	3.4																	
1 11		163						_	24	77	11							
1 1 1	114.4	163						•	- 27	4	18		ı					
1 11	1.1								•			•			1			
1 11	197.0	11						•	3		1	1	1					
1 11	101.1	*							1									
1 11	177.0	75						i	10	N	11	1			•			
1 4 4	13.1																	
1 11	10.1																	
1 11		4.7							- 1	17	7			1				
1 11		11							•	•		1		•			•	
2 11	10.0																	
	103.3	12					8	•	11	1,5	- ;	1				•		
1	2.4	•																
1 11	10.1	34						1		•	8	1	1					
1 11	1.7	.;			1		1				2							
	2.7	12			•	2	1	i		ě	1		•					
	2-1	•							*			1						
: 11	1.4	- 1							•									
	1.1								i	1								
	1.4																	
: !!	13.5									•								
	41.0	,																
	10.1																	
1 11	M.C																	
1 11	13.3	•																
. 11	130.7	1							1									
4 7 4	10.1	434							1.00									

TABLE BOS DISTRIBUTION OF DOLLAR WITTERS SUST VILOCITY FOR THE CHARLESTON HID FORCE BASE FLIGHT TEST PISSION DATA SAMPLE

-	-	1014	- 0.0	- 00		- 44			6.134		LOC	61576	-	101./	116.						922	
~~~	*1645	P1445	- 99	-10	-43	-60		- 83	-1104	-16	-7.5	-9	•\$	****		.11.5		11.1	-	• 579	•	
	13.4	27									•		•	•	,							
7 1 2	29.4	98							. 3			•	10	47	•	1						
	1.1	,										1	2									
3 2 4	3.4	•										-		2								
	0.4												•	•								
	10.4																					
										•												
	401	•							10.1													
,	11.0								1													
3 4 1	3.1 11.4	,										,										
3 3 4	9.4	54						1		•		11	•	11								
	9.0							_	•		-		-	• •	-	•	•		•			
	1	10																				
		• • •									•	•	•									
													1									
3 7 1	11.1	•																				
3 0 4	5.0	•																				
3 0 1	W.L										1	1	•									
	23-3	i i									•	•	•									
	7.4 196.3	- I																				
3 10 4	140-3								12	_				2-5								
TETAL	*10.0	107	-	•	•	•	•	•	•	,	13	37	43	30	10	•	8	•	8	•		

### PARLE DAS DISTRIBUTION OF OFFICE OF STATE OF STATE POR THE DOVER AS POSCE SASE LOCITIES, REPUR SAME PISSED.

							961	4 54	<b>MAT 1</b>										
9-00-4	PILES	191AL -	11 -10 -		20-11		- 44 -1	2.0	-16	-7.5	61570	INTIM	171.	758C. I	-12-5	•15•	47.5	-20 -25	+10+16
1 1 1	60.1 70.1	71					2.5		•	•	*1	10	13	•			•		
	10.4	i									i								
	10.4	- 1										1							
1 1:	77.7	1																	
	25.1	1										1							
2 . 1	11.1											•	1						
1 ::	19.6	1										1							
1 ::	9.4																		
	*1.6	17							1	ı	•	•							
1 4 7	10.1	1										_		1					
: ::	74.1										•	,							
1 ::	1001	1										1							
	19.1	•																	
	20.6	•									i	6							
	104.1																		
7 16 4	170.4	21.7						,	•	)•	74	70	*1	21		,			
	70.0	177						1	•	1	•2	97	14	•	2	i			
1 11	+64.4	4.00		1	1			•		12	1.05	1 30	96	94	10				
1 11	172-1	359						•		71	**	16	20	10	*	1			
1 11	224.7	>60						•		•		•		20	٠				
	910.1	312					1	1	1	31	04	100	11	17					
3 1 1	301.1	10-						i	•	•		34	ii	Ĭ	•				
; ;;	16.7	: 9										10							
1 : 1	174.4	125						8	•	11	36	•1	11	1	1	- 1			
	743	4.5					1			•	17	11	•	- 1		ì			
1 1 1		•																	
1 11	101.1	32								,	10	17	1	- 1					
: ::	77.7									ı	•	•	1						
111	3.4	19								1.5									
3 . 1	1-11-1	9.						1	2	- 1	23	11	1	1					
; ;:	23.1	,										- 2							
; ; ;	1974.1	15								1	•	1.	•						
1 1;	2779.6	3.																	
	9.0								1	1	10	17	1						
; ; ;	1700.1								2	3	14	24	•						
1 10 1	1342.1	201							1	11	103	141	11	1					
: 13	49.1	11:			1			,	.6	73	13	21	!!	13	3	;	•		
. 1 .	10-1	10			•				••	•	1.2	:•	•			i			
. 17	10.4	100						1	A	1;	13	19	10	3					
4 3 7	79.5	100				•			1	1	10	90 10 10 90 90 90	:						
: ::	270.6	• • •						,	1		22	34	20	-	1	1			
: ::	32.4	117 170 10 10						•	17	10	12	-	***	•				1	
	*6.1	10				1	1			1	16	,		1	3	1			
: ::	174.4 13.6 17.5 17.5	5								•	12	30							
: ;;	17.5	•																	
: ;;	119.0	117						1		•	,	4	17	1	1	1			
	20.	· i						•	•	•	,.	7	•	•		•			
	100.0	17						1			•	7	•		ı.				
: ;;	100.C 047.1 1.0 90.4 1019.J 7.7 192.4	12 9 9; 7; 107 4;; 203									•	•	1						
	1413-4	1								2	10	39	,						
: ::	7.7	7								•	3		•						
		107		:					1		•	•1	11	1	•				
	17670.5	207					L	ì	- ;	30	96	196	::				1		
111	72001.1	828		1	1			ı	14	52	170	172	••	1.2	•	1		i.	
• 10 · · · · · · · · · · · · · · · · · ·	72001.1 1000.0 00.7 00.1 00.1	17 12 27						1		1	•	2	***	12 10 1					
1 11	40.1	35						i	;	ï	1	1	ii	•	i	•			
: ;;	4.1	•									í	1	i	•					

### DISTRIBUTION OF BUTTON OFFICER, OUST VERCEIT

p-10-4	-	-									100	0157	110471	- 101	/14C.								
OLOCA.	PILES	PLANS	-11 -	- 90 -	-25 -	-M-1	7.5	-15 -	13.9	-16	-7.5	-9		•7.1	-10	.11.			7.5	+20	+85	+10+10	
; ;;	99.6	14						1			•	:	u	10	•			1	1				
1 11	22.4	48									•	10	17	7					•				
1 11	10.1	10						1			- 1	- 1	•	,	- 1	1		1					
1 11	11.0	42								1	Ď		•	•	•	j							
1 11	163.7	132								- 1		17	30	14	•			3					
	10.1	10							•	•	•	7	ៈ	- 7	i	•							
2 2 2	3.3	1																					
	10.6	110								•	10	20	49	13	•					1			
	22.4	,										L		-						-			
1 1;	010.7	127									13	31	•	17		,							
	19.7	•								•	••	- 1	7	•	•								
1 ::	20.1																						
1 11	1107.4	121								9	19	31	47	17	2			1	ı				
	06.1											1	•			ı.							
1 7 7	1909.4	i								1			13										
	190.1	•								•													
1 11	4441.1									1	2	17		•									
; ; ;	3.4	- 7								•		•••	-	•									
1 1:	37477.4	402							- ;	:	10	133	191	42	•			•	2	1			
1	14190.4	227							•	•	10	••	110	25	•	٠		•					
5 16 4	49275.7	1367						3		17	50	48.0	•00	104	21	•		•	1				
: ";	*91.6	19							1		•		1	10	11					1	1		
	90.6	7)							•	;	10	17	17	21	11	- 3		í	1	•			
: 1;	10.4	10										•	i	l.	1								
	1.1	•											•										
	42.4	• •						1	1		1	24		19	7	3							
: ::	20.4	**							1	1	;	11	10	•	1	•	1		2	1	1		
	2.4	10							1			2	•	•	Ĭ		- 1			-	_		
: ::	3.1	10							1		- 1	- ;	10		1	1	1	1					
		29							•	í	•	10	30	13	•	•	1						
: ::	272.1	20:				2			•	14	7	35	14	32	30	7	1	1	1	1			
	15.9	19									•		**		i								
	100.0	143					1	1	1	•	10	44	••	21	7								
	27.3	;											2										
. 11	700.1	. 7										17	42	7	1								
: ::	10.0	:																					
	013.5	21										•	14	•									
	19.1																						
1 11	1779-1	1									- 1	1	1	,									
	49.0									•	•												
: ::	7140.4	15								-1		?	1	1	1								
	4700.1	370							1		16	111	199	41	ij								
	2740.	97										10	34 77			1							
0 10 ·	9905-6	11000				•		22		242	444	4179	4994	111	44	147				•	, (		

TABLE 845
DISTRIBUTION OF BENITUD VIRTICAL OUST VOLCETT
FOR THE
BOVEN AIR FORCE BASE
LOSISTICS, LOW RANGE PISSION
RANGE SAGES

1.00	ANIE .	200	-98 -	· 10 ·	<b>.</b>	<b>10-</b> 11	.s -s	0 -13.	1		13	-	10v7 jan	177.	**************************************	· <b>W</b> .1	-194	47.	•	• 25		<b>30- 15</b>
	10.1	7										:	;	•								
	7.3																					
	3.0																					
	10.1	Ĭ											1									
	19.9 1.9 7.9 30.2 9.0 4.9 17.1 10.4 19.9 11.0 10.7												2									
	1100-0	i									1		i									
	300.4 1400.9 1400.9 1400.9											i	29 120	i 19								
	4.0	7								i		••		••	•							
	13.6	į																				
		į								1	•		1									
	3.3 9.6 19.3 19.3 19.3 19.3 19.4 69.4	149					,		ı	•	21	35	•	20	12	3						
7074	***	•	•	•	•	•		•		•	47	141		•	10	•	•	•	•	•	•	•

# TABLE 846 DISTRIBUTION OF DERIVED VERTICAL GUST VELOCITY FOR THE DOVER AIR FORCE BASE TRAINING MISSION DATA SAMPLE

M-444 6	M4110444						DA	TA 3A	MPL t											
BLOCK 2 1 1	PILES 0.2		-35 -30 -	- 25 -	20-1	7.5	-15 -	12.5	-1 C	-7.5	-5	45		/SEC. ) +10		+15	17.5	+20	+25	+30+35
2 1 3	230.0	458 150			1		3	•	16	77 19	140	162	150 30	54 13	12	11	3	l		
2 1 4	29.1 278.3	490					Ĭ	3	18	£3	114	127	105	41	7	,	1	ī		
2 2 3	311.4 53.1	634			3	2	l l	3	21	57 16	155	206	120	40 10	20	4	2 2	•		
2 2 5 2 3 2	2.7 135.2	10 209						3	12	13	56	42	39	18	1 2	2				
2 3 3	277.5 124.5	29 <del>9</del> 373				2	1		ü	34 35	86	67 01	55 49	17 20	16	4	2	2		
2 3 5	12.3	25								2	1	13	•	1	1					
2 4 7 2 4 5 2 5 3	27.9 10.7	27									10	3 7	4	1						
2 3 5	43.4 6.0 3.0	0																		
2 6 3	3.2 15.7	0																		
2 7 5	37.4	Č																		
2 9 5	7.5 710.1	0																		
3 1 1	7.4	0																		
3 1 2	842.7 290.6	2192		_		3	2	20	98	90	156	168	483	273 49	92	32	12	1	2	
3 1 3	154.2	1117	ı	2	3	4	13	43	19 75	123	194	100	102	107	29 50	23	20	5	3	
3 1 6 3 2 2 3	32.6 1122.9 2284.3	1905 3350		1	1 6	•	23	42	111	261	343 841	436 927	375 560	181	70 97	22	11	4	,	
3 2 4	356.4	1044		5	3	11	18	37 28	:6	129	190	209	171	107	49 39	23	17	9	1	
3 3 2	1476.9	337				1	1	3	16	37 112	72 302	106 376	62 201	27 83	10	11	2	3	2	
3 3 4	1020.	1122				1	5	9	30	95	303	427 173	163	56 29	24	4	2	4		
3 3 6 3 4 2 3 4 3	27.3 4.9 45.3	;								1	1 1 5									
3 4 5	287.5 263.2	53 10e					2	1	2 2	11	11	2 2 8 4 6	3 9	2	1	2	:			
3 4 6	34.0 239.9	9					•	·	•	2		5 7	1		ì		•			
3 5 4 3 5 5	1313.4 884.c	45							1	2	31 12	65	12	4	Å					
3 5 6 2 2 4 3	24.6	;											_							
3 6 5	124.6 372.5 693.2	12 56 62				1	1		î	2 7 4	16 16	23 22	4	2 2	1	2				
3 6 6 3 7 2	1.9								•	•	••	••	••	•	•	•				
3 7 4	51.6 216.3	1 A									3	11	3	1						
3 7 6	74.1	16						1	3	1		2	2	1	1					
3 4 4	34.e 12.e 320.1	5 1 0									1	•	1							
3 9 2	28.1	c c																		
3 4 4	#3.4 #5.2	i									1	1	2							
3 10 3 3 10 4	6552.4	30							1		7	12								
3 16 5 4 1 2 4 1 3 4 1 4 4 1 :	19.3	223				2	ļ	4	.5	34	35	34	40	32	12	•	4	1		
	50. 5.1 2.1	- 85					1		2 2	14	15	22	16	i	٠					
4 1 3 4 1 4 4 1 : 4 2 2 4 2 3	#2.0 245.1	100 210			1	1	į	3	15	18	13	50	2 i 35	12 16	1 * 7	3	2 1			
4 2 4	11.5	11			Ī	•	•	•	1	4	2 2 8	8	4	••	i	•	1			
4 3 2	10.7 243.6	138						3	5	11	30	49	25	11	3		1			
* 3 5	161.0	141						2	3	11 5 14 2	17 37	55	15	3	4	1		1		
	91.7 172.4	141								4	9	2 10	2							
	12.6	2								•	•	10	•							
4 5 5	177.1	11									2	3	1							
4 7 5	9.6	11										3								
* 7 *	39. u 170. 3	7									3	•								
	90.4	0									4	2 13								
4 8 9 4 9 4 4 9 9 4 10 4 4 10 9 9 1 7 9 1 7 9 2 7	1371.1 98.6 3788.a 9466.1 48.7 21.5	21 5								1	i	•								
; ; ;	37.00	:09				ı.	1	1 1	10	127	23	25 17	19 19 7	12 7 5	ż	1	3	1	1	
5 2 7	10.0	47						1	1	7	•	17	7	5		1				

## TABLE 346 concluded planniourion of continuo ventical cust volctity por the power air porce sass thathing plannion

W-100-A	MAUTICAL	TOTAL									UBI	01571	ILBUTEO	m LFT.	/\$EC.	•					
DE OCH	PILES	PEARS	-98	-10	- 96	-20-	9.4	-10	-19.6	-10	-7.5	-9		47.	418	419.6	+15+17			4 304	. 26
		*****			-67	-60			-8667	-10	-,,,	-,	**	***	* ***	****	*****	,, ,,		. 30	
7 2 4	1.6	U											•								
5 3 7	5.1																				
	14.1	Ā																			
: : :												:									
7 7 7	135.0	30										•	27	3							
9 3 4	19.3	•										1	•								
	4.8											_									
7 9 7	110.4	,									ı	•									
5 4 6	15.1	3											3								
	120.4	•											Ā								
- : : :												•		•							
7 . 7	147.1	•											•								
5 7 5	194.2	29										14	18	3							
	1010.0	19										7									
: ::											_			-							
7 7 7	734.2	50									,	14	"	•							
5 9 5	4417.9	222							2	1	14	14 07	91	19	9		1				
5 10 4	3922.1	2.0							_	-			19		-						
											•	•	14								
4 10 5	23.7																				
TOTAL	92884.8	20017	- (		. 1	34	54	140	344	867	2272	4444	4471	1421	1440	487	278 124		14	0 0	

# TABLE H47 DISTRIBUTION OF DERIVED VERTICAL GUST VELOCITY FOR THE DOVER AIR FORCE BASE FLIGHT TEST RISSION DATA SAMPLE

M-HH-A	MAUTICAL	TOTAL									LIGE	DISTRI	BUTION	IFT.	SEC. I							
BLOCK	PILES	PRANS	-14 -	. 20 -		20-1		-15 -12	. 4	-10	-7.5	-9	+5	47.4	+10		.15	417.4		25	430	416
3 1 2	23.4	43			•-	•••			•		7	14		12	i	1						
, i ;	ii.c	33								í		• •	ıí		ż	•						
	11.0	25								:	i	•	٠;	•	•							
3 5 5	28.4	22							ı	ı												
3 2 3	93.9	43									2	13	20	•								
3 2 4	8.4	7										Z	5									
3 3 3	41.5	19									2	6	•	3	1	ı						
3 3 4	22.7	•							ı			1	2			1						
3 3 5	12.0										1	2	2	2	1							
3 4 3	20.0	16								1	3	6										
3 4 4	7.7	16								_												
3 4 5	10.5	24									3			4	1							
1 11	20.4	- 7									-	-	ĭ	-	•							
1 1 1	56.2	į											_ i									
	44.0	ō									•		•									
	3.6	×																				
	3.0																					
	105.0	- 5														L						
3 0 7	78.9	0																				
3 7 4	94.4	0																				
3 7 5	50.5	0																				
3 8 5	144.8	0																				
3 9 4	17.4	2											2									
3 9 5	41.2	1										1										
3 10 4	20.9	•										3	5									
4 1 2	3.4								1		ı	2		2								
4 1 3	5.0	3							-			ī	1	Ĭ								
4 3 1	2.4	ĩ										•	i	-								
1 1 1	1.2												-									
4 3 3	3.4	×																				
7 6 7	12.7	ĭ									1											
1 11	14.1	:									•											
	24.3	21											•									
7	1.1																					
	25.4	3									1	2										
4 4 4	1.7	0																				
4 9 5	26.3	0																				
4 4 5	1.9	ə																				
TCTAL	1219.5	242	0		0	0	C		3	•	24	74	82	41	7	5		0	0	0	0 0	

## TABLE 348 915781807180 OF SERVICE CONTICAL OUST VOLCETTY FOR THE TIMES AND POSCE SAGE LOGISTICS, RECOVER SAGE STORTON

					BATA S	PUBLE									
N-101-A	MAUTICAL BILES	PEAGS	-95 -30 -25	20-17-5 -1	5 -12-5	-10	-7.5	OISTN:		101.4	/SOC. )	+12.5	•15•17.5	-20 -25	+10+15
1 1 1	#1LES 7.7 9.7	10		20			3	,	,	1	1500				100000
; ; ;	47.5	21					1				1				
1 11	44.9	ži					ě	Š	14	,				t .	
	6.7 14.0														
	27.3	1							1						
2 5 5	14.0	į							1						
2 4 5	19.5 79.6							1	2						
; ; ;	10.4	;					1	1			1				
2 7 5	AL.7	13					1	3	5	•					
3 1 3	468.5	ı						1							
2 16 4	7.2														
3 13	30.1	40				1	•	12	20	1	4	2			
3 2 3	76.6	100			2	4	13	51	24	20	•				
1 1 1	3.9	120					19	23	•	20	,	3			
3 3 3	100.9	103				10	25	43	32 67	40	ï	•			
3 14 3 35 3 42 3 43	191.6 33.0	10				1	2	1	26	7	l.				
1 4 3	12.1	29				_	•	7	2	7	5				
3 4 5	125.1	12				1		\$	•	ı					
3 5 4	304.5	•						2	•	1					
3 6 5	12.2														
3 4 4	1351.7								2						
3 7 6	1400.4	î						1							
; ;;	1114.0	2					1	1	10	1					
3 10 4	3266.3	25			2		•	11	19	11					
4 1 3	8.6 2.1	16			_	1	ì	•	3	*	1				
4 1 2	40.2	40			2	•	÷	10	16	13	2	2			
4 2 3	12.1	23			•		ì		•	3	2	•			
* 33	22.1	29					,	2	11	1	3	1			
	01.5	43 29			1		1	13	\$1	:	60				
1 11	42.6	3					1	1	3						
* * * *	52.1 197.2	17				1	1	3	•	2					
1 11	255.1	,						i.	1						
	244.0														
: ; ;	19.2	24				2	ı		12		1				
: :;	3.0 1094.3														
: ;;	3221.0 4051.7	56 46 33					3	12	34	•	1	1			
4 10 4 5 1 3	2094.5	•				2 2	1	11	22 15 2	5					
5 2 7	1.1 1.1	3								2					
; ;;	2.3 1.4	÷					2		5	2					
3 3 3 3	24.3	1							1						
	25.4								•						
5 7 5	40.9 42.7 1241.9	1						. 1							
5 14	1241.3	123 31 96	••				•	39 12 14	61 12 31	14	•	1			
5 10 4	866.9 2726.5 2.4	96				_	ž	16	Ĭ	•	1				
	9.5	12			1	ı	<b>S</b> .	<b>†</b>	1	•	ı				
. ; ;	0.7 1.3	i						•	•		i				
. 14	8.4														
	10.5 2.7 6.5	Ĭ													
	10.7	1													
	55.5 42.2	į	,												
	53. 2 103. 0														
4 7 5	765.9	4.								•••		••			
TOTAL	33492.3	1307		• •	• _•	_ 29	-129_	244	573	234	33	10 .	• • •		•

# TABLE 849 DISTRIBUTION OF DERIVED VERTICAL GUST VELOCITY FOR THE TINKER AIR FORCE BASE TRAINING HISSION DATA SA: PLE

B-M-1	MAUTICAL FILSS	TUTAL	-35 -5	30 -	25 -	20-1	7.5	-15 -	-12.5	-10	-7.5	E CIST	R   RUT   1	DN (FT.		•12.9	+15	17.5	+20	+25	+30+35
2 1 1 2 2 1 3	814.8 136.6	1969				3	1	•	32	101	239	42C	475 140	391 100	179 50	1 44 10	24	14	5		
2 11	17.6 134.i	79						2	4	,	* 7	10	17	18 21	10	3	2		_	1	
2 2 2 2 2 2 2 2 2 2 2 4	5996.: 1642.: 105.4	12155 3339 258		1		3	18	16	165 35 2	5C# 125	1438 367 21	4955 863 56	3502 1091 104	2182 541 52	874 197 10	311 43 5	21	37 7 1	17	3	1
2 2 5	24.6	10								1	1	2 5	15	10	2	1	1		11	_	
2 3 2 2 3 3 2 2 3 4	19970.:	26040 15210 5864			3 1 i	12	74 16 7	96 53 14	249 145 51	473 150	2943 1624 506	4872 4201 1597	8350 5100 2176	4195 2351 869	1492 839 304	263 112	162 99 43	22 15	13	ž	
3 3 3	4517.1 910.7 45.6	848			٠	,	í	• 2	12	29	67	202	334	126	52 1	i	14	1	٠		
	315.t	618			1	1	1	9	\$1 12	36 36	76 95 114	209	260	104	37 56 60	21 27	•	3	1		,
2 4 4	2863.4 4224.t 345.;	1476 1333 50			٠	1	3	5	12	12	117	425 385 18	562 511 24	174	58	30	5	i	3		•
2 4 7	143.5										ş		. 2								
2 5 1 2 5 5	475.0 2740.4 4510.2	3? 372 321					1	1	3	7	20 20 26	10 144 121	14 147 129	27 23	10 10	2	ı	1			
2 5 6 2	416.1	55				1		_		ı	2	3	7 5	2						1	
2 6 1	1241.3 5667.4 6536.3	7 <u>1</u> 347 490							2	3	3 25 28	141 184	37 149 194	3 24 54	2 2 11	1	3	1	1		
2 6 6 2 7 2	245.5								•			1	3				•	Ī	•		
2 7 3 2 7 4 2 7 5	2053.4 5682.1 9215.3	1C7 349 334						1	1	3 9 3	7 19 22	117 111	50 162 170	25 27	12	1	1		1		
2 7 6 2 8 4	407.5	3										2	1	•	•						
2 9 3 2 9 4	1036.C 27.4 131.3	14								2		1	2	i							
2 9 5 2 10 2	171.1	10									1	2	5								
2 1C 4 3 1 1 3 1 7	72.5 24.3 1773.1	1: 14 4495			3	5	16	27	1 82	731	2 2 604	845	1 GO4	3 924	415	216	48	30	16	1	
3 1 4	347.2	1210			•	ź		•	10	19	160	299	310	229	99	40	•		2	•	
3 2 2 3 3 2 2	10495.7 5059.2	22230 9600		1	2	20	39	119	349 103	1Ce1 345	2942 1121	4861 2537	5765 2967	12 4198 1601	11 1863 597	448	214	78 15	40	10	
3 2 4	304.7 13.6	5 92 4 3			•	ĭ	í	•	1	12	42	120	19i 19	• 1	21	16	ž	ì	•,	•	
3 3 4	20099.5 29306.6	34176 40857	i		2	25 17	74 51	146 128	1 486 436	1909 1377	4388 4545	6255 10943	9454	6026 6532	2300 2408	723 698	213 254	85	30 42	5	1
3 3 4 3 3 5	10573.5	12729	•	1	Ē	12	9	50	129	368	1125	3439 50e	4687 813	1836	677 120	240	70	20	ij	3	•
3 4 7	20.3 232.6 232.6 240.5	734 734				1	3	2	15	31 71	91 213	167 555	7 189 666	150	46 130	23	3	3	2		
; ; ;	4017.4	3135 1667		1	:	1	4	14	27	70 41	251 154	671 560	1177 719	444	152	29	30	10	1		
3 4 7	201.0 2.6 448.0	13									1	5 23	16	,							
3 5 3	1873.e 5731.e	79 82L			1		2		1	12	51	274	403	62	13			2			
3 5 5 6 3 5 7	272.C 272.C	10 C						•	2	23	77	254	356	1	23	13	5	1	3		
	403.0 4312.0	192					_	Γ.		.1	11		10	16	1 3	2	_	7.			
3 6 5	15574.8 1*933.; 246.9	1311 930 if			1	3	1	•	3	10	44	452 316 13	562 370 11	122 64 2	37	:	1	3			
3 7 3	96164	450							Ş	3	15	106	227	34	. 2	1					
3 7 4	32149.5 27517.C	1252 77 <u>1</u> 20					1	3	,		55 31 2	443 288	621 306 5	•1 •1	10	2	3				
3 6 2	331.5	:4								1			.7	2							
	245.9 2617.6 2.3	194				1		1	1	5	10	15 61 1	62 62	11	3	5	1			1	
3 9 3	1896.4 2030.1	75 131						1	2	5	10	25	43	12	•		3	•			
1 10 1	812.5 1129.2 2942.7	19						•	•	1	3	2 2	ii	1	i	•	,	2			
3 10 4 3 1C 5	2942.7 492.1 1.8	117								1	•	42	51	•	4		1	ı			
: 11	178.4	1633				4	3	30	47	122	277 112	170	209 158	337	259	?5 25	10	27	i	1	
	0.7 2.6 1718.7	5214			5		25	44	146	321	736	e19	844	1158	<b>633</b>	310	97	44	17	2	1
: ::	2707.4	7407 279				5	•	4	139	417	734 1025 34	1647	1774 78	1420	384	232	84	21	i	1	-

### TABLE BUT employed PLETA COUTTON OF BEN 1900, YEST CAL GUET VELOCITY FOR THE TRACE NO. 110 100 TRACE DASS TRACE NO. 110 100

									TA 84												
DE DER	MAUTICAL PILES 4.C	PEARS	-11 -	30 -	75 -	3 <del>0-</del> 1	7.9	-15 -	12.9	-10	-7.5	E1870	INTI	m 197.	vec.	•13•0	•110	17. 5	-80	+25	+90+26
: ::	3723.9	1012			•		23	73	100	523	1336	1776	1004	1011	940	105	134	**	20		1
: ::	19101.4	27424		1	*	20	90	104	***	1303	3500	1034	5654	1172	2300 2300 2500 2500 2500	171	***	15	13	1	
: ::	701.3	999				2	1	4	•	14	14	155	215	*1	34	10	•	1	1		
	141.7	337				7	1	27	.,	241	432	1015	1117	77	407	103		1	1		
4 4 4	2406.4	2314				i	4	10	32	84 19	265	742	300	110	104	13	**	ij	;	1	
	1752.1	873 10		1				•	•		••	4	7	***	~	••	•	•			
* ; ;	43.7	27								1	1	ıi.	12								
4 5 4	1394.7	129						2	•	3	11	199	196	11	10	9			1		
4 1 1	#2.4 20.8	C						_													
4 4 3	763.3	15									••		101	20	,	2	1				
: ::	3249.4	303				1			1	;	21	110	iss	14	i	i	•				
. 11	11A.4 78.6											1	•	1							
: 73	1722.0	17 297							1	5	15	15	120	22	•	•	1		1		
4 7 5	163.2	496						1	1	4	21	151	251	47	10		1		1		
4 8 2	1.1	e c									•	•									
* ! !	10.4 43.8	0										_	_								
: ::	722.5 22.8	11										,	•								
: ::	186.e 266.C	15							1	1	2	27	10	2	•	1					
4 10 3	100.1	7							•		•	4	-	3							
4 10 4	303.1	1											1								
4 10 5 5 1 2	150.4 72.0	235					2	4	4	19	33	11	22	45	44	21	4	5	1		
5 1 3	33.5	94							2	•	10	19	•	23	•	•	1				
5 2 2	292.1 466.4	1041				1	1	•	10	46	143	199	300	120	102	37	32 16	10	1		
5 2 4	25.0	24					•	•	••	- 1	•••	1		•	***	•		•	•		
3 3 1	2.1	0																			
5 3 2	205.6 2175.e	2743				2	•	20	59	148	403	74 567	574	111	235	31	21	10	1		
5 3 4 5 3 5	1325.4	231			:	1	1	3	8	)3 7	10	201	235	110	93	15	1	1	5		
5 3 4 7	2.7 8.C	?			-						1	,	2	2	1	2	•				
5 4 3	264.2	235						2		10	48	75	55		36	10	4	1	1	1	
3 4 5	1509.2	244				1		2	i	7	12	47	114	38	15	3		1	1	1	
5 4 6	26.4	7								i l	1		2	2	1						
5 5 3	140.7	14					À		1	•	2	29	11	2	•	3					
3 1 5	2152.7	21A					•		•	2	19		**	14	4	ĭ	1	1			
5 6 2	14.5	0										_									
5 4 3	472.4	205								1 2	10	72	93	20	1	•					
5 4 5	3919.2	199							1	2	7	72	•3	16	*	3					
5 7 2	47.3 1352.1	51								1	,	11	i o								
5 74	4004.4 P427.1	243							1	2	14	114	117	21	2	1	ı	1			
5 7 6	197.3	5							*	,	44	"i	200	36	•	•	•	•			
5 8 3	171.7	3									2	2			1						
5 9 3	797.2	12									1	2	÷	1							
3 1 4	241.5	6									1	i	•	-							
: 10 >	55.0										•		1								
5 10 4 TETAL	522.7 441513.0		1	4	34	220	431	3:6 1	1034	1741	4127	73361	10390	19750	10076	722621	75 01	7 40	0 4	• ;	1

TABLE NAME
DISTRIBUTION OF DESIGN PROFITCAL GUST TROCTTY
FOR THE
TIMES ON POSCE SALE
FLIGHT TEST DISSIGN
DATA SAMPLE

D-100-A	<b>WAYTICAL</b>	7014										100	915791	27	101.6	SEC. I							
MACE	PILES	PRASS	- 24 -	- 10 -	<b>.</b>	-20-11	1.5 -	19	-12.	. 9	-10	-1.5	•	•	.7.4	S4C. 1			.17.9	.20	.29	. 10- Y	
1 2 2	11.2	37		101	-								10		•	•							
3 2 3	1-4												1	2		1							
1 12	24.6	67					ı				1	•	21	23	•	7							
1 1 1	114.1	124						2		ı	1	10	34	27	20	1			1				
1 14	17.2							_		-	_												
1 11	34.6 114.1 17.2 17.3	Ĭ																					
1 4 4	90.7	i										•		1									
1 4 4	40.0												1	1									
1 4 4	40.0	i									_		-	1									
1 1 1	21.1	ì																					
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1 14	71.1 2.5 20.4 20.4 99.9																						
1 7 1	120.4	Ĭ													1								
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3	27.5	•																					
1 . 5	27.5 15.7 42.7 2.2	ě																					
1 14	41.7	•																					
3 9 9	2.2																						
1 16 4	192.6	3											ı	1									
4 2 2	3.1													ı		ı							
4 2 3	1.1	1												1									
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	16.1 8.4 22.9	2											1	1									
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4 5 5	25.0	•																					
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F81 44	12.6 2.3 1207.6	299	•	•	•	•	ı			3	10	54	11	70	47	29	•	•	1	•	•	•	

### HISTOREUTEAN OF BENEFIT WOTHER OUT WELECITY THOUSE AND PERCE CARE LOCASTICS, METERS BASES PINION

						-													
100	*1111	707A	-11 -14 -	45 -20-1	7.5	-15 -1	12.5	-10	-1.1	-5	India		196. I		-15-	17.1	-00	-29	-90-91
2 11	10.0	91							,;	1:	#	17	1						
1 11	1.1	*						•	•	3		-		•					
1 11	111.7	111				1			13	94	4	*	•	•					
	41.1	32						•	;		*	11		;					
	10.0						•	•	•			••		•					
1 ::	77.1	•							•	12	11	•			1		1		
	111.4	24						-	•	•		9	•		-	1			
	107.5	10								1		1							
* *;	10.1	1									1								
2 .	28.1																		
1 11	139.1	:								1	•								
	200.1	•					1			•									
2 . 1	199.5	15							•		i	1	- 1			•			
: :: :	133.7	:								•	•								
3 3 4	427.4	444				1	•	47		101	100	**	20	10	1		1		
3 11	13.7	91						1	1	12	10								
; ;;	703-1	194		1		i	•	14	ij	199	701	190	11	10	1	1			
3 2 4	136.1	97				•	•	i	7	21	20	•		i	•				
3 11	710.4	477						70	47	134	194		20	•					
, ,,	1100.1	510					•	•	**	105	291	72	17		-				
; ;;	276.4	270					t		- 7	**	10	**		•					
1 ::	73.6	100				1			34	19	24	10	1		1	1			
	479.1	1.74				i	•	•	ij	68	40	10	•	i		•			
; ;;	1000.1	100				2		i	11	**	97	11	•						
	353.7	•						1		11	*	;			1				
; ;;	445.1	42					ı		1	•		•		1	•				
; ;;	2190.1	107			1		,	1	10	**	70	10	•			8			
3 . 1	94.1	2								1	1								
3 : ;	9254.7	30						1		,;		•	- 1				1		
; ;;	3	•										1							
3 7 4									1	10	34								
3 ;;	10.0	TCS							•	30	48	•	1						
3 . 1	200.4	•											_	_	_	_			
; ;;	12743.1	12				1		,		25	**		8		1				
1 ::	19017.4	244			1			•	22	• 2	119	10							
1 11	100 20.4	100		-	•		1	•	11	94		10	i						
1 12 1	44700.7	427			•	1		7	22	102	227	10	19		1				
3 36 3	929.1	390					•		30	,1		**	30	10	,				
	99.4	121						10	ii	21	*	29	10	•	•	í	•		
: ::	1.1	15					1			•	•	9							
: !!	1.4									46	-	Tale							
	902.1	276				;	•	12	37	70	91	33	1	•	1				
: ;;	21.4	92		1			•		1	24	N 100 100 100 100 100 100 100 100 100 10	**	1	i		1			
: ;;	361.1	1.70			1	_	_	1	19	100	10	20	15	į		1			
	495.0	707 200 170				1	i	"	19 07 19	01	101	100	12 22 22 22	1	i	•			
: ::	17.4	174					1	1	10	•	77	10	10	•					
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	003-1	172			1	1	:		•	**	ñ	***		1					
: ::	1790-1	350			;		•	:	30	**	130	*	17	•					
4 5 1	110-1	15			_			1				•	1				_	_	
: ::	3200-1	36.0			3	1	•		1	14	- 22	.:	,				1 .	•	
: ::	78.1	1		•			1115		7.5		ĺ		-	-		•			
	104.1	25							į		1	1							
: ::	25.1	200							1	50	30	•							
	111-1									_		_							
: ;;	4414.6	4					•		3		#	•							
: ::	25.4	:																	
	13-4 21-4 21-1 1205-C 970-2 17-6 17-6 17-6 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-						-				!								
: ::	3.0	11				ı	•	11	11	4	101	87	14	•					
: ::	45457.1	***					i	•	R	143	***	27	14		•	1			
. 30 3	1329-4	17							3	101	3			•	•				
4 30 4	101 330-1						•	7	-	44.0	200	98	24						

## Married D entire vertical out value in

													m 1/1.										
Mate	PILES	101 M	-21 -20	-25	-14-	17.5	-10	-12-1	-16	-7.5		-	.,,			•11	141		•20	+35		90	
4 16 9	4444.3	. 1			-	-	_					3											•
111	107.1	100					1	- 1	7	*	15	17	**	**	10	1		1					
	10.7	15		•	•			•	•	•••		7	•	7		•							
1 1 1	9.1							_	_		_	3			_	_							
	100-4	144						1	10	14	25	11	,;		1			1					
	44.4	'*					•	•	••	- 7	10	23	ii	i	•			•					
	41.0	10							_			ų		_	_								
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1 11	170.1	120		•	•	•	•	•		17	**	99 73	- 10	- ";	;	i		i					
, ,,	165.0	100						•	•	32		95	20	19		1		ı	1				
1 11	19.9										;	;											
1 11	197.7	10								1	·	•	2										
	1170-1	100							3	10	**	*	20	•	i	1		1	1				
: ::	15.7	17									9		1	1				ı					
; ; ;	10.0																						
	2000-6				1		1	•	3	1	23	42	7	2					2	1	1		
1 ! !	411.											2											
1 : :	49.3																						
	2000.7	132						2	•	•	40	45	10	•	1	1							
1 11	2144-7	34									24	7											
1 11	1610.3	- 5								- ;	- 1	20		1									
	191.0	2									1	1											
1 1 1	10070.4	234				1	•		;	17	•1		14			1							
1::	1444-1	100			ı		•	- 1	11	35	107	305	94	11	i			2					
1 10 3	910.6	1					•	-				ı				•		-					
1 16 4	145337.7	1099				1		•	11	93	200	514	89	22	7				5				
: 11 ;	125.4	123				1		1	16	13		21	91	25	•	•							
	204.1	1 92				•		•	13	20	30	45	99	20	10	•		8	1				
	39-3	10							1	3	9	•	•	•	3								
: ::	7.1	10						1	1	3	- 1	i		•	1								
	210.7	110				1	2	•	10	11	20	97	31	14	•	•		•		1			
	199.4	93						5		•	17	20 21	13	;	;	•							
: ::	3.7	*						•	•	•		71		•		1							
	9.4	•																					
: ::	201.0	170		1			8			19	27	34 95	38	11	- ;	1	1	ı	1				
: ;;	173.9	133			i	-1	1	1	i2	33	113	144	20	10	•	3							
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: : :	10.4	15				1						- 11	_										
	111.3	12				•		1	2	•		10	i	1									
1	1037.0	100			1	1	3	1	•	13	47	70	19	14	•	,							
: ::	90.5																						
	2270.2	34								3	17	-19	4.										
	00 1	•								-	•	- 5	-										
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	37.4	- 1							1	•	•	14											
	3305-3	100						2	•	7	34	42	12	1	3								
: ::	75.0.1 76.00.1	190							1	11	50		10										
	4100.0	.12							•	- 3	23	**	•;	•									
	34407.7	104							•	34	510	243	44	•	2					1			
: 15 ;	9075. 5 265. 5	60									10	45	8										
TET AL	744765.7	-			11	29	10	150	4.98	1425	-001	7045	2345	004	500	•1	45	11		•	3 0		

### PARTICULAR PROPERTY P

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D-100-A	BAUTICAL	TOTAL		- 00						-07		CEST	HOVIIO	IFT.	/SEC. 1							
OLOCE .	PILES		-17	-10	-27	-30-1	7.3	-15 -	17.7	-1¢	-7.5		•	•7.5	+10	•12.7	+17	•17.	3 +Z	• •15	• 34	
2 2 2	16.4	i									1	Ī	i									
1 1:	4.6	i																				
1 11	2.0	•										•										
2 ) )	1.4	•																				
1 11	10.1	1										1										
1 11	10.9	1										1										
2 1 1	3.9	2											_									
1 11	10.0	2											2									
2 7 5	:2.4																					
1 ::	:3.4	0																				
	7.2	,																				
2 10 4	7.:	9									-			2.7								
1 1 1	3.2	1,5								7	14	40	73	\$2	15	•						
5 2 2	274.4									2	13	22	27	13	4	1						
3 1 1	90.0	17								1	1	6	7	1	1							
3 3 3	30.1	24								1	3	2	11	1	2	1						
3 7 7	170.7	45							1		9	20	26	•	ī	1						
3 11	162.3	27								1	1	7	12	1		1						
3 2 3	12.0	i											,									
3 4 3	73.2	. 5										3	2	_								
; ; ;	270.1	27									1	14	10	2	1							
1 12	4.1	i											i	•	•							
3 5 3	10.5	3										2	1									
3 5 5	130.4	15								1		3	•	2								
3 5 4	4.:	9								-				•								
3 4 2	14.3	8																				
3 4 4	49.4	ĭ											1									
3 4 5	415.C	•											3	1								
3 7 3	31.3	9																				
3 7 5	714.4	0																				
; ; ;	43.4	0																				
5 1 1	434.9	ž											2									
3 ! !	4279.1	?										3										
3 10 4	2972.1									2		27	34	3								
4 9 4	5000.4	31								•	1	27 13	16	ī								
• 10 5	3433.5 144.7	0																				
. 10 .	92800.7	275						1	1	4	•	79	116	13			1					
3 4 5	3.1 95	9																				
5 1 5	105.3	ć																				
3 9 4	9456.4	109					1				•	35	40	10	2	2	2	1				
9 10 4	11495.3	36					ı		2	1	16	113	174	20	3	1						
5 10 5	271.4	0					•		•													
• 17	70.C	40						1	•	3	14	12	21	13	11	5	2					
	5.4	11						•	•	•	ï	• ;	<b>5</b>	ï	i	,	•		1			
• 11	0.5	43									1	1	.1	• •								
: ::	53.4 20.9	10							1	3	5	•	12	14								
. 2 1	17.6	10									3	2	5	2	•							
: ;;	74.4	12							1	2	2		10	Ş	2	1						
. );	293.4	110						1	4	i	14	35	42	12	3	i	1					
	1.1																					
	914.9	137							2	3	10	33	49	28		3	1					
	2.9									-					-	_	-					
: ::	403.C	17									1	5	11									
	5.4	0																				
: ;;	965.C 1109.2	18							ı		2	14	39 12	7	1							
	9.9																					
: ::	1093.4 2003.4	203									. 2	21	27	17	5							
	5354.4	199						1	1	2	13	76	102	12	•							
: !: ;	4923.3	17										•		1								
TETAL	101990.4	2300	•		0	•	2	4	20	52	173	709	1040	254	86	30	7	1	1		•	
																			-		-	

# TABLE 383 DISTRIBUTION OF DERIVED VERTICAL GUST VELOCITY FOR THE THAVIS AIR FORCE BASE TRAINING MISSION BATA SAMPLE

								DA	TA \$4	LMPL E											
BLOCK	PILES	TOTAL	-35	-30 -	-25 -	-20-	17.5	-15 -	12.5	-10	-7.5	C1510	NIOUTION +5	# (FT.	/SEC.	•12. <b>5</b>	+154	17.5	•20	+25	+30+35
2 1 1	3.C 317.6	394						2	2	20	59		**	•	30	13	3				
2 1 2	40.5 0.7 551.0	74 0 303						,	1	11	10	91	23	15	19	,	1	1			
1 1 1	213.0	161						•	•	•	11	53	66	21	9	i	·				
2 3 2 2 3 3	230.4 496.3	103						1		3	10	30	43	14	1	1					
2 3 4	411.6 70.4	35 17								3	3	3	10	7	2						
2 4 2 2 4 3 2 4 4	7.2 39.7	11									1	3	1	2							
2 4 5	12.9	0									_	-		-							
2 5 3	1.4	7										3	4								
2 9 9	15.4 6.5 51.2	0											4		1						
2 4 5 2 7 3	22.9 67.7											1	5		•						
2 7 4	149.5 10.6	1											1								
3 1 2 3 1 3	1379.4	1848			1	3	3	5	25	**	246 57	343 136	489	346	200	55	25	7	1	1	
3 1 3	388.5 86.1 90.1	468 277 105						•	i		17	71	110	16	ij	1	1	1	•		
3 2 2 3	7174.1 1346.4	1169					1	1	29	59 92	166	278 305	400 374	241 201	80	22	7	2	2		
3 2 4	223.e	169 25							1		10 2 35	43 16 101	127	15 2 52	11 2 14	1	1	3			
3 3 2 3 3 3 3 4	977.4 3816.r 3780.i	359 936 730				1	2	1 2	5	. 9	162	265 246	353 207	132	32 27		5	2	2		
3 3 5	107.1	195						_	1	iC	15	47	69	22	•	3					
3 4 3	19.5	23									1	7	12	.3							
3 4 4 5 3 4 6	1969.5 1359.3 18.2	139 94 1						i		2	•	34	42	11	2	1					
3 5 2 3 5 3	99.4 313.2	10									1	2	7								
3 5 4	1699.e	67 67					1			2	5	35	23	3	2						
3 5 6 3	10.9 52.1 503.e	0										,	4								
3 4 4	7559.C 1710.1	122							1	2	7 2	59	46	:	1	1	1				
3 7 2	1.1	9											-								
3 7 9 3 7 4 3 7 5	1317.7 2696.0 799.4	32 104 10					1				4	11 27 5	17 60	10	1	1					
3 6 3	25.4	:											,					1			
3 9 4	94.4	2										. 2	2	1.29							
3 1C 3 3 1C 4	917.3 150.5 410.7	24 C 7										15	3	3							
4 1 2	49.1	146 112						i	3	:2	14	15	15	32	25 17	16	•	1	1		
4 1 4 4 2 2	9.i 0.9 45.4	9								_	_		5		_	_	_				
4 2 3	121.e	32 127 19						:	٠	ic	23	28	29	14	10	4	3	1	1		
4 2 5 4 3 2 4 3 3	48.6 27.2	,								1	2	1	3	3	i						
	233.7 548.7	4A 68 123							:	2	:	21	17 29 47	10	3	1		2			
1 1 1	569.1 11.2 37.2	1						1		3	ì	41	1	12	i	•	2				
: ::	433.e 571.4	23									1	1 90	2	2							
4 5 4	10.3 8.C 79.2	:																			
4 5 5	226.7 ?7.5	1										3	i								
4 4 3	40.7	•										3	1								
4 7 3	236.6 25 47.2	15										5	•	1	3						
1 1 5	213.1 39.0	1 2											2								
	12.7	0																			
4 10 4 TCTAL	40935.8	10411	a	0	1	4	•	27	99	414	1140	2716	3466	1010	422	196	64 2	5	•		•

## TABLE 844 015791001109 OF GRANDO VOOTICAL GOST VILGESTY FOR THE TRAVIS AM PERCE GOST FLIGHT TOST MISSION

elecs	**************************************	110	- <b>10</b> -	<b>*</b>	B -4	<b>▶</b> 17.	• •1	*,-	a.s	•	1	Sec.	-	- F6 - K1	700		10,0	***	47.9	·80 ·85	•90•19
	N0 10-0 10-0 10-0 11-0 11-0 11-0 10-0 10-0 2-0											*	H	#	.:	;	:		1		
														:	•						
	स्या	A et	i.						2		į			1	•						
	10.5 10.5 10.5 11.5 11.5										I :		i •	ĭ	•						
	- radi							•				1	1	•	;	1					
	8.8 9.1 13.0 17.0 14.0													•							
10744	8-4 78-8 1400-8			•	•	•	•	•			<b></b>		<b></b> l	,,ì	104	••	14			•	• •

# APPENDIX C GROUND LOADS STUDY DATA

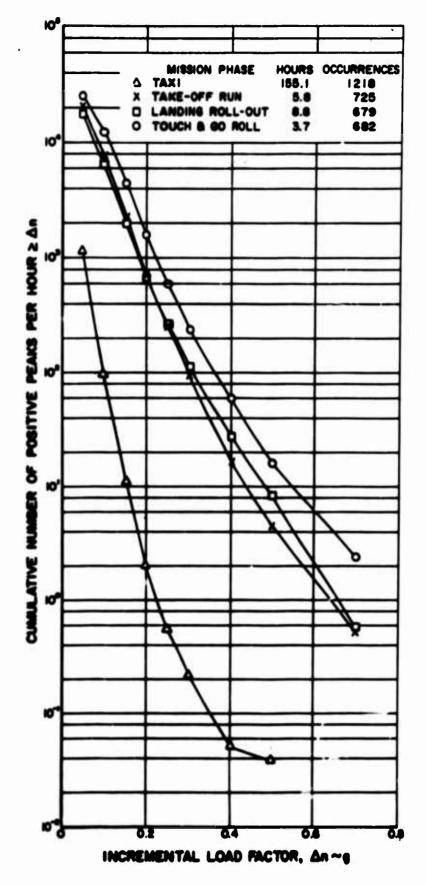


Figure C1. Cumulative Frequency of Positive Incremental Ground Load Factor Peaks for the Mission Phases of Taxi, Take-off Run, Landing Roll-out, and Touch-and-Go Roll

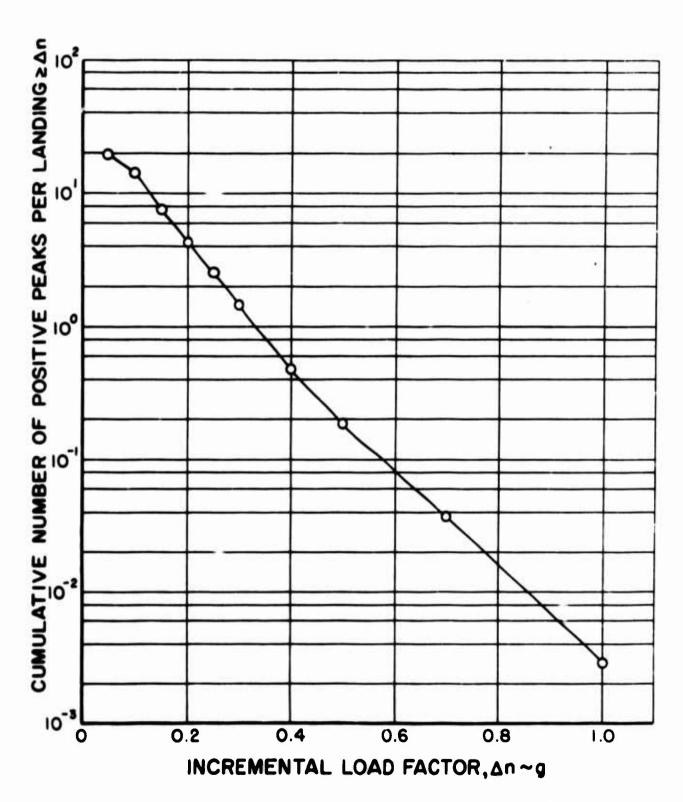


Figure C2. Cumulative Frequency of Positive Incremental Ground Load Factor Peaks per Landing for the Landing Impact Mission Phase

TABLE GI
PISTRIBUTION OF SHOUND LOAD FACTORS
POR TOLE
TAXI HISSION PHASE

SH-SA	PLOCE	TOTAL PEAKS	0.0 0.3 0.5	2.6	0.7	0.75	0. 50	3. 85	DAG FA		TA : 047	1.10	1.15	1.30	1.25	1.3	1.4	1.5 1.7 2.0	
	(10)14.3																•••		
1 1	33.73	1979			1	ı	•	19	122	3270	907 3992	225	40	10	3	8			
ii	799.14	9973L			1	5	17	126	1314	13030	18794	1473	130	21	3	7			
1 1	910.07	19027			3	•	21	115	1340	15200	19790	1914	257	34	•	i			
- i i	1994.67	47575				i	19	196	2147		34844	2334	199	27	•	i		1	
1 7	904.37	34975					19	103	1171	14399	17005	1340	185			_		_	
1 :	47.42	1170					ı	12	189	4854	4496	214	14	3	ı				
i 10	100.21	19992			,	5	31	191	1042	9863	13922	1071	122	30	7	2	1	2	
5 5	11.45	7340				- 1		10	40	33	1971	78	l						
1 1	100.00	1031				•	•	10	12	303	503	47	- ;	1	1	2			
	85. 34	1784						ı	43	760	962	14	ĭ		1	•			
3 5	23.13 23.01	953							2	292	336	11							
- i	81.97	2543	1				2		93	931	1403	80		1					
2 1	97. 92	1035					_		76	437	449	39	3	1					
2 10	42.43	1323				1	•	41	432	2344	2957 529	332	34	7	2				
, i	133.33	2904					i	Ť	in	1142	1304	190	26	•					
3 4	144.30	1651							44	799	915	24	1 5		1				
1 1	37.93	1513					1	- 7	72	437 993	851	42	i						
, i	9.13	42	•					•	- 7	10	21	•	•						
	73.50	17.3					_	•	75	636	905	102	11	•				2	
3 1	77.76	2345 6377				1	- :	37	324	2000	1204	305	14 27		3				
4 3	99.95	1977				-	ĭ	•	180	623	079	74	-	•	•				
• •	74.37	1085							27	473	565	18			2				
- 1 1	14.00	274							1	•	130	,							
4 7	9.79	78								41	34	1							
4 :	93.37	1049					•	34	267	1497	1499	244	29	4					
16	162.15	3041					7	24	145	1420	1791	111	88	26	3	3		1	
2 5	22.76	20									15					-		•	
: :	70.44	957		1		2		i	32	476	430	12	1	1	1	1			
, i	15.04	40		•	•	•	•	2	- 2	22	29	· ;	i	•	•	•			
: :	10.41	163					1	1		. 60	31	1							
1 1	57.64	343 939							, i	173	101	•							
• •	111.62	1530							35	500	964	39	2						
1 19	148.42	3255			•	3	31	29	176	1218	1530	175	58	17	10	3			
	13.61	304							1,	150	130	32	2						
7 3	13.29	130							10	51	62	•							
7 3	47.20	500							15	162	320	11							
, ;	10.50	148							5	114	25			1					
, i	3. 99	126								33	96	1.00							
7 :	20.44	273						1	45	118	175	75	3						
TOTAL	1304. 11	324516	1 L	1	14	29	199	1004	11509	1 30261		13252	1399	220	52	26	2	•	

### TABLE GS DISTRIBUTION OF SYDUMB LOAD FACTORS FOR THE TASH-OPP MM MISSION PHASE

CU-FU GL GC II	BLOCK TEMP	PEARS	0.0 0.3 3.	5 2.6	3.7	0.75	0.00		040 FAC	TOR 011	TR   BUT	OH (5)	1.15	1.20	1.25	1.3	1.4	1.5	1.7 1	r. 0
	(MEN.)		1113				1112			-							•••	•••		
1 1	1.44	499				_		11	39	234	296	05	25		- 1	_				
	22.11	13530		. :	14		34	210	1131	4250	3202	1796	209	37	24	15				
	12.11	19675		•	17	- 27	103	400	1004	4357	7400	1945	567	123	20	.,				
ii	30.15	33071	1		41	•	214	190	3459	10620	12073	4402	1237	303	97	30		2		
1 7	22.56	13464		•	14	**	111	4 18	1495	4113	4721	1900	500	104	91	10	4	_		
1 8	20.44	10006		١ •	31	49	156	4.1	1191	9272	3424	1413	481	134	- 66	29	ı			
1 .	4.43	5503			3		230	994	277	995	10449	339	60	24		•			_	
1 13	45.39	30096	3	. ,		•	230	- 170	3494	133	145	4433	1100	310	88	26	11	•	2	
- 1 1	6.39	242				•	2	15	šī	- 04		23								
1 1	0.07	670					ĕ	16	50	553	131	97	) i	i						
2 7	1.79	1629		1	15	87	99	05	205	100	440	101	194	64	16	9	1	1		
	4.30	3094			•	17	42	173	475	1056	1599	414	177	91	23	•	2	1		
2 10	4.31	2863		14	•	120	200	116	1991	929	901	344		. 22	. 10			_		
1 '7	23.98	14044			7	- 77	43	64	200	111	234	147	797	320	130	74	14		٠	
- 5 4	2.27	1302			ĭ	- 7	~i	ii	107	494	992	143	- 17		ī	•	` •			
1 7	0.47	297			•		_	- 4	70	114	- 69	ii	1	•	•					
•	5.20	4145		. 9	1:	. 29	76	130	***	1107	1206	435	818	73	29	14	3	1		
3 .	4. 97	4401		. ?	32	31	76	199		1210	1440	669	554	79	43	17	•	7		
3 10	23.53	15979		•	36	99	500	762	2304	4234	4532	2427	795	295	79	33				
	1.44	2990				•	36	116	417	591	731	490	32 187	22						
- 1	4.71	3331		i	3	1Ĭ	14	110	433	916	971	990	190	- 55	17	12	i	i		
4 10	10.79	7021	. 1		•	2	100	381	1195	2007	2440	1100	401	101	32	10	ž	_		
5 6	0.53	007			25	34		78	130	114	145	110	64	64	34	10	3			
	9.42	991				-	_3	. 36		101	197	.00	17			• •	_	_		
	5. 90	4477	4		17	**	72	190	954	1210	1300 1904	632 779	199	14	30	Lo	- 7			
5 10	1.41	6003			17	- 14	73	207	903	2001	2231	1024	201	- 55	- 12	36	•			
6 7	0.48	305						3	44	111	110	84	22	ĭ	-		_	_		
	0.71	737		1	ı	•	19	16		210	200	105	27	17	•	7				
7 4	0.97	350						13	73		132	50		1						
	::#	949		•			16	30	104	111	100		15		_					
•	1.70	2463		•	- 1	14	- 22	101	. 202	474	646	435	124	#	10	•				
, i	1.20	1105		3	•	14	- 3	100	107	200	- 100	197		- 11	ä	10	1			
TOTAL	344.00	220039		96	491	035	2420	7761	25023	44493	72464	11977	0004	2412	41	481	44	23		

TABLE CO
DISTRIBUTION OF GROUND LOAD FACTORS
FOR THE
LAMPING ROLL-OUT MISSION PHASE

CH-PH	BLOCK	TOTAL								-	700 011	TRIBUTI	-							
OLOCE	1100	PEARS	0.0 0.3	0.5	0.6	0.7	0.75	0.00	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7 2.0
	(MM.)					-5001									-					
1 1	1.90	904			2		20	4	247	1142	2103	326	104	30	14	22	12	2		
1 1	70.64	34875			ιé	si.	73	367	1000	3001	11999	13221	4484	1330	356	197	116	zź		
i i	94.94	32302	•	1	ï	- 66	124	441	1546	4124	14754	17447	7007	2000	574	189	100	17		
ii	70.90	49172		- 1	21	•••	109	592	1707	2900	14440	14119	4479	2077	620	235	160	48	23	2
1 4	64.00	44133		ì	- 4	00	175	516	1797	2900	14915	14400	6090	2064	486	261	129	13	- 1	i
1 7	20.96	16940				9	22		492	1990	5243	0630	2172	470	149	57	10	2		1
1 0	9.96	947					5	18	46	135	171	505	147	72	32	•	4			
1 •	1.22	1005		_			2	14	44	126	500	243	219	92	50	•	_	_		
	1.72	464	-	1	_		- 1	19	27		140	500	110	46	15		-	3	,	
- 6 3	20.52	4443		•	7	15	22	41	124	540	2199	2767	1130	191	101	24	50		1	
5 7	7.64	4295				- 1	31	71	197	301	1311	1401	472	140	62	52	15			
2 6	1.41	1900		1	í	43	20	47	iñ	299	294	397	223	. 35	33	1ã	• • • • • • • • • • • • • • • • • • • •	2	•	
2 0	1.47	202		-	•	-	3	6	16	71	162	100	93	15	4	- 3	i	_		
3 2	3.46	1546			1	10		30	77	230	499	507	163	34	19	5	•	1		
2 3	13.01	9549				50	35		244	743	1844	2074	885	234	88	31	20	11	5	
3 4	21.76	12537	_	_	1	25	54	160	410	1494	4004	4443	1344	393	134	42	50		•	
3 5	2.04	1791	,	•	•	40	22	17	122	342	290	393	267	107	60	50	17	4	3	1
3 4	5.24	3063 471						• •	56 12	200	117	1001	367	19	13		,			
	0. 90	\$74				2	i	•	15	96	219	ier	= =	- ';	1					
3 10	0.91	322				•	•	•	• 3	25	130	43	- 12	ıí	ż					
4 3	11.74	2237			2		10	47	105	452	1902	1700	440	211	70	32	12	2		
4 4	9.24	4710			2	•	•	42	141	400	1450	1497	799	160	33	11	6	1		
• •	2.34	1294					3	11	95	200	302	401	157	24	10	3				
	1.77	445								39	164	100	45			1		_		
• ; ;	2.12	953					1	•	31	149	200	162	139	24	12	•	ı	1		
	7. 66	4793					13	25	133	400	1390	1900	***	227	77	21	•			
• • •	10.73	6256			,	19	34	ź	272	906	1020	1054	113	243	13	32	13	7	2	
5 5	2.74	1793		_	•	i	2	7	13	144	432	722	500	21	3	2	2	•	_	
5 6	2.20	1547				i	5	26	77	250	466	521	130	46		3	Ť	1	1	
	0.94	333								5	126	104	16	1	1					
• •	0.49	273						6442	1.2	21	64	131	47	•	1	. 1				
• 1	9.60	705	_		2		16	39	•	84	126	140	96	77	30	10	13	3	-	
7 1	3.42	3267	1	3	•	17		27	. 46	163	182	210	116	212	75		•	•		
7 3	1.01	716				•		20	105	82	202	233	- 4	23	73	16			•	
, ,	0.03	854				,	i	17	47	195	224	242	- 5	22		î	•	•		
TOTAL	20.01	275133		39	92	544	957	3004	1770	34732	10002	90599		11902	3545	1340	730	168	47	5
1000			-		-							-57.	-		/-					_

TABLE C4
DISTRIBUTION OF GROUND LOAD FACTORS
FOR THE

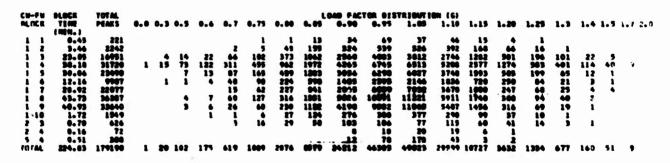


TABLE CS
DISTRIBUTION OF GROUND LOND FACTORS
FOR THE
LANDING INPACT RISSIGN PHASE

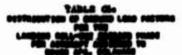
CH-PH	BLECK	TOTAL								L	040 FAS	PGR 815	TO COME S									
OLOCK	TIME	PEAKS	0.0	4.3	0.5	0.6	0.7	0.75	0.00	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7	2.0
	( MR H. )	9394																				•
1 1	0.29	109			_	_					13	94	16	13		3		5	1	1		
1 5	2. 10	1495			1	25	16	103	190	113	194	316	548	100	124	78	44	56		•		
! !	8.47	7147			16	- 67	149	192	305	785	1270	1179	1004	1540	504	294	140	159	44	20		
1 5	12.04	7614	•	•	10	24	90	101	331	429	1074	1400	1201	1071	443	337	268	100	73	34	12	Ť
1.7	4.20	3190		•	ii	10	49	97	215	419	794	972	873	733	423	251	194	123	30	21	5	•
i 7	6.16	4530			- ''	14	54	72	132	100	495	-	101	446	343	104	114	***	20	10	5	
i i	6.22	5142			i	7	33	64	143	177	740	1114	1004	019	307	170	90	48	15	ii	ī	
1 9	5.76	4000			1	7	21	90	136	394	724	997	1090	904	397	194	76	35	11	3		
1 10	0.35	232			1	2	4	•	11	15	45	43	36	42	2.2		9	•	•			
5 5	0.10	87			1	L			5	11	17			•	11	3	5	5	3	1		
2 3	1.29	993		1	•	•	13	21	45	65	130	100	149	132	• 1	53	31	41	•	3		
2 4	0.90	761			•	•	10	13	19	41	105	195	136	105	48	43	50	17	•			
3 2	0.49	112				•	-	- 11	17	10	97	91 15	13	11	)1 15	30	•	16	•			
; ;	0.10	177				•			•	- 17	10	ii	24	- "	.,	•	•					
3 2	0.25	100			1	2	ij	į	13	ıi	22	55	- 5	14	ıi	7	•	10	5			
3 3	0.05	750		1	ž	7	13	14	45	94	100	134	120	•	30	37	22	23	•	7		
3 4	1.90	1000		_	i	•	10	26	37	82	132	500	207	145	84	50	34	44		À	•	
3 5	0.15	135		1	1	1	2		•	11	33	10	18	10	11	7		•	5	Ĭ		
3 .	0.25	205				1	2		•	16	31	29	33	26	24	11	3	10	2	1		
3 7	0.05	49					_		T	•	7	7	1	3	3	7	•	1				
3 10	0.05	42					5	ı		5	•				•	ı	5					
1 19	0.75	\$77			•	2	•		17	41	*	105	111	73	si.	30	12	15	1	2		
	0.50	449	•		•	i	10	ij	ij	•	65	74	72		42	21		10	- 7	•	•	•
4 5	0.15	114				_	- 1	i		12	20	19	15	14	7	- ;		- 7	•			
	0.05	59				1		-	i	5	13	Ĭš	- 4	2	16	Ā	ĭ	_	ī			
4 7	0.17	96			2	3	10	•	10	•	9	•	4	Ť	•	•	5	9	3	1		
5 2	C.17	109					1	)		3	50	24	21	10		•		•		1		
5 3	0.65	517			•	1	14	15	29	47	96	79	43	•	46	41	16	17		•		
3 4	0.41	548			- :	7	55	17	Si	20	94	*	91	••	54	31	10	15	7	Ž		
2.2	0.15	99					•	1	•	7		5.2	16	7	15	•	3	•	3			
	0.06	32					•	į	•		X			- **		- :	•	- :	•	~	4	
	0.65	<b>33</b>						•		ĭ		12	•		•	•						
	0.05	42	1	1			3	•			5		ź	i	i	2	4	3	1	2	,	
7 1	0.10	43	•	_	1	3	ĭ	2	7	7	Ť	11	ī	i	ž	i	ì	í	ż	-	i	
7 4	0.30	300			5		2	10	14	55	30	49	33	42	29	21	19	14	3			
7 9	0.05	26								1	•	11	•	5			1					
7 4	0.05	50						1	1		10	14		3				5				
TOTAL	67.57	52335	•	15	01	162	451	979	1454	4144	7901	9999	9274	7400	4367	5313	1307	1532	400	200	48	•

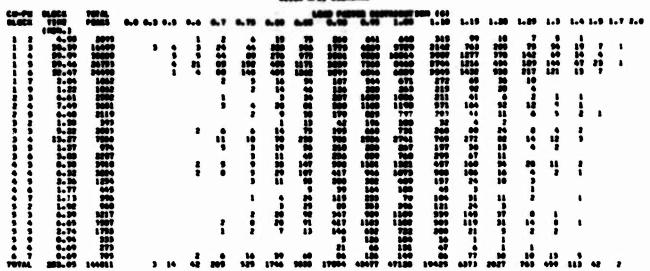
TABLE Cos DISTRIBUTION OF GROUP LONG FACTOR! FOR THE TABLE RESIDENT PROOF FOR ASSESSED TO

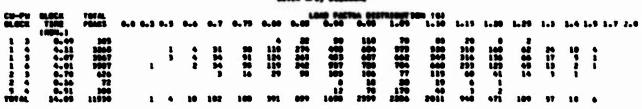
CH-PE	TIME	TOTAL PEAKS	0.0 0.3 0.5	1.4	6.7	0,75			0.76	100 041 0,91	70.007 P	1.10 1.10	1.15	1.20	1.29	1.3	1.4 1.5 1.7 2.6
	(mm.)						1	3	44	861	-	30	•				
1 5	20.40				1	•	12	75	848	4874	1790	710	03	13	2	•	
: :	22.7	12477			i	1	- 3	20	441	9915	1000	481	35	- ' i	I I	ž	
ii	405.54	19795			•	•	Š	41	940	4274	1630	979	71	4	-	_	
i i	790.24	20001				1	Ĭ	119	1220	19900	21021	1470	119	24	3	2	l l
i 7	171.40	15467					•	27	912	6112	7774	404	50	1	L		
	185.04	1007						1	93	1255	1470	32	•				
1 .	47.44	1967 14601 18672 18795 19867 1867 1670 7294 460 991 991						. 1	16	499	640	65					
1 10	109.90	1294						17	560	2907	4100	201	11				
	40.44	200						•	•	200	232	14	ļ				
; ;	- 49.43	221								223	343	15	•				
: :	16.01	127							•	***	71	1					
; ;	15.40	401							•	219	294	i					
	44.27	1070					1	2	41	404	901	43	•	1			
	20.07	1903							13	224	196	10	1				
5 10	125-27	1363						ı	34	484	743	34	,				
11	10:55	2010						_		50	55			_			
		2010					ı	•	110	1050	1550	179	26	•			
	63-50	1603							14	440	710	•					
	0.11	740						2		397	395						
::	70.32	991						•	11	302	342	16	•				-
;;	41.49	1107						1	10	450	690	23					•
3 16	142.24	1792						•	ěi.	771	000	38					
	49.22	1710					1	•	173	676	701	73	•				
	91.11	995							18	240	270	11					
	14-63	7								4	3						
	13.05								1	35	44	•					
	1.01	73						_		40	35	. 1					
• •	30-17	1 300						3	111	419	793 913	32 24					
• •	74.00	445						24	101	1206		ni	84	-			
: 17	22.76	32 98 70					•		141	1700	1512	711	96	29	•	•	•
; ;	20.12	120								67	51	•					
	47.32	304		1	1	2		1	•	80	202		2	1	1	1	
, ,	21.00	70		-	•	_	•	ž	2	22	29	2	i	-	-		
• •	0.44	343							•	179	102	•	_				
	13-14	474							54	204	106						
	191.32	1350							14	324	764	34	2				
5 10	197.77							•	50	904	1200	99	ı				
• •											***						
• :	13.01	306							10	130	315 110	38	5				
TOTAL	7.51	139901		1	3	•	44	370	9847	221.06	73193	3796	513	76	11	14	4

## TABLE Cab OISTRIOGRIOM OF GROUND LINE FACTOR FOR THE TAME-OFF RIM RISSIAN PHASE FOR AIRCRAFT ASSISSED TO

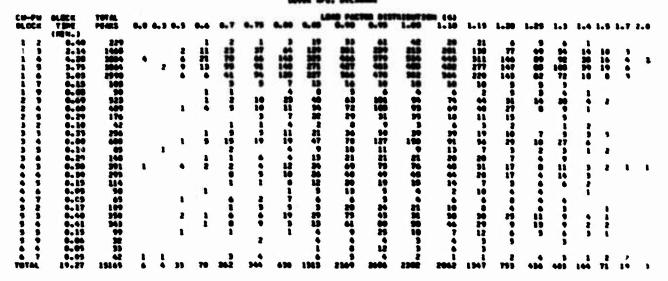
CH-FH	BLBCK	TOTAL							- 1	040 FA	TON DE	TRIBUTI	161								
DL BC		PEARS	 	. 5	6.6	2.7	0. 73	6. 30	5.05	0.90	0.91	1.05	1.10	1.15	1.70	1.25	1.3	1.4	1.5	1.7 3.6	•
	(Min.)																				
1 2	0.52	531							1	16	76	45	10	10							
1 1	4.20	3779			3	10	•	•	142	424	1125	1250	101	513	35	11	•				
1 4	10.12	6140		•	•	- 4	•	20 71	190	655	1996	2314	740	501	37	10	13				
1 1	12.01	8867			1	11	15	71	310	1073	2 704	3141	1107	503	*	12	•				
1 4	27.93	17763	ı	5	•	13	60	130	399	5105	5303	1094	2007	938	514	60	39	•	Z		
1 7	11.07	7440			3	12	10	101	304	926	2127	5346	1070	354	87	26	14	•			
1 0	8.44	4917			1	12	4	15	190	940	1303	1497	126	150	50	•	2				
1 1	4.43	7207					7	19	85	277	991	775	330		24	•	•				
1 10	12.57	9929	5		9	55	30	140	513	1351	2304	2500	1427	567	203	95	10	10	3	2	
2 1	0.44	305					1		3	23	199	145	47		2				-	_	
2 9	0.41	200							ì	16	101	115	75	1							
2 1	6,79	716						•	27		295		72	52	10	1					
Ž	3.51	2658				2	Ž	•	34	201	707	915	491	115	iě	ĕ	•	2	1		
,	2.17	1075		1	1	2	Ā	11	39	110	420	300	73	24		•	•	_	_		
2 10		4010		-	ĭ	ì	14	43	224	623	1717	1 705	901	343	4	24	•	2			
3 4	0.04	202				-	-	-	5	25	101	104	41	3	2	- 1	-	-			
	2.45	2074						15	45	245	680	845	361	109	10	•	1	1			
• • •	1.29	3774				11	23	67	142	490	990	1821	973	109	38	30	10	i			
1 10		6733			3	- 3	40	123	422	1244	2210	2402	1100	304	97	19	-	•			
		1391			-	ĭ	-	12	47	210	330	200	207	98	12	- 1	ĭ				
	4.22	2963		1	2	•	11	12	116	403	703	022	530	153	ji.		i	A	1		
4 10	0.24	6153		_	_	Ā	10	03	272	925	1992	1994	992	200	84	17	13	•	•		
3 7		531				-	-	3	24	07	191	197		17	- 4	•••	•				
	1.27	1116				•	•	22	- 44	100	274	393	101	31							
	4.21	4401			2	•	17	## ##	171	400	1203	1901	705	134	20	14	•				
<b>1</b>				1	ī	•	17	- 55	300						41	10	22	i			
4 1				-	•	0.01	•••	•••							- 1	•••	••	•	•		
					1	1	•	15	34			204	105	77	17						
TOTAL	144.71		•	11	22	144		1147								174		20	•	•	
5 10 6 7 707AL	8.06 8.42 9.71 104.71	9444 942 737 199018	,	1	1 12	140	15	15 1107	200 30 30 4191	763 46 97	219 218 218 21713	2132 405 204	942 105 14320	293 22 27 4916	41 17 1240	376	7	27	•	2	







## TABLE CIPHITTALOFFER OF CHARGE LAND PACTURE PARTY TO THE PROOF PROOF



## TABLE CTS DISTRIBUTION OF GARAGO LOAD FACTORS FOR THE TABL DISSION PRIOR FOR ARGENTY ASSISTAND TO

CD-FB	-	THEM							040 P46	TOR -011	TRE OUT 1	m 161					
-	1100	rems	0.0 0.3 0.	•••	0,7	0.75	0.00		0.90	0.91	1.05		1.19	1.20	1.25	1.9	1.4 1.5 1.7 2.0
	35.71	1975			1	1	•	24	122	431	907	140	- 66	•	•	2	
	165.41	5770				-	•	19	107	2 300	2906	101	20	7		•	
	180.77	17190					•	33	107	7100	2000	501	15	•	L		
	304.29	22000			2	•	10		947	0007	11700	1749	220	33	Ť		
	198.07	23000				1	3	48	947 611	9971	9907 11744 12433 19571 9469	1745	310	1			
	100.21	21040					10	07	699	7990	10571	407	76	2			
	479.90	1000)				2	11	76	065	7951	9409	844	99	7	Ĺ		
	91.30	2941						•	60	1001	1 201	79	5				
	0.30																
1 10	282.39	17990			•	•	34	114	744	4924	0433	787	111	10	,	2	
	12.00	25								•	21						
	15.70	104						•	15		73	3					
	20.00	701								539	462	1					
	1.00									2	1						
	*.22	462								244	294						
. 14	14.12	240								190	107						
	1-41	•															
	27.64	296							15	144	95	1					
	17.97	170								99	77	2					
	0.42	29								10	9						
	4.70	•								1	•						
	13.40	1145					•	91	133	330	479	173	20	•			
	0.04	**								14	270	1					
4 16	22.90	***							43	107	270	22	2	1			
THEM	1019.41	190122	1		•	14	97	447	4494	99 791	41001	5867	656	199	20	•	

## TABLE CTS DESTRIBUTION OF GARMO LOAD FACTOR FOR THE TARE-OFF BUR RESSION PROSE FOR ALREADY ASSISSION TO

(u-fu	PLECE	TOT 44.									TOR 941		a (6)						
M-000	1900	PEARS	0.0 0.1 0	.,	0.6	0.7	6. PS	0.00	. 05	0.00	0.95	1.05	1.10	1.14	1.70	1.25	1.3	1.4	1.5 1.7 2.0
1 2	0.94	900						2	15	23	100	204	99	7	2				
4 3	4.90	2740				•	1		40	150	924	1177	196	- 61	16	À			
1 4	11.25	0034			2	3	2	33	130	470	2114	2005	939	185	49	12	,		
1 1	35.30	01.07				2			73	449	2015	2027	1019	149	22	- 7	1		
1 .	27.00	11070				•	10	40	170	900	4047	4930	1912	299	40	17	Š	1	
1 7	0.95	4017				2	1		76	207	1047	1911	497	111	11	•	,	-	
1 .	3.23	1067					3	•	20	130	619	801	241	15	•				
1 19	20.30	19840	ı	1	1	10	13	43	361	2005	4127	7329	2009	494	70	19	•		
1 0	1.48	1070		1		i	2	i	9	62	191	440	138	12	1	•	_		•
	6.49	330				-	_	•	5	11	137	120	25	- 1	_				
	0.53	577						1	2	54	95	110	41						
1 10	0.49	233				1			55	13	45	90	24	7	1				
	0.44	501			1					13	19	64	37	7		1			
	1.00	948			•		•	11	-	84	195	196	113	43	10	i i		2	1
• •	2.40	200								70	199	138		•	7		-		-
4 16	1.02	1101				7	•	14	30	143	205	275	195		19	•	•		
TITEL	104.67	40173	ı	•	•	78	40	200	987	9041	19775	24167	0100	1499	261	71	28	•	2

## TABLE CTC PESTA INVITAM OF GAMMA LOAD FACTURE FOR THE LAMBOO DOLL-DAY DESIGN PHASE FOR ASSESSAFF ASSESSOF TO

CO-FU		70744							-	TOR 011	111011	151						
W. 000 W.	1000	PRACE	4.0 4.3 1.1	0.6	8.7	0.75	0.00	4.00	0.90	0.91	1.05	1.10	1.19	1.20	1.25	1.3	1.4	1.5 1.7 2.0
	1000.1																	
1 1	1.90	904			ı	•		14	93	345	320	100	33	14	•			
1 5	11.40	5293				7	55	100	901	1901	1903	110	151	50	7	,		
1 .	20.10	1 2000		•	7	19	90	324	1 307	4000	1400	1170	212		21	•		
1 4	20.37	19111			•	12	90 77	329	1700	1120	3170	5000	484	-	31	•	,	
1 1	25.73	19999	_		•	21		300	1001	9262	9443	2100	940	119	18	15	1	
1 .	10.40	12003			•	10	-	319	1901	4467	4940	1990	367	92	142			•
1 7	20.12	12000			3	17	73	490	1003	4400	3367	1903	405	113	47	10	2	
1 1	9. 94	-				2	12	00	135	171	101	107	72	32		•	_	
1 2	9.90	205				-	-	•	- 11	120	191	- 44	ě	1				
3 4	2.21	1010						•	64	360	442	100	Ĭ					
	0.70	574					3	14	96	210	107	44	•	1				
	2.05	1001					•	29	113	100	305	100	30	10	•	· I		
• •	1.43	200						•	10	197	133	50	11	1				
4 7	9.91	297					2		24	- 00	94	34	12	1	•	1		
TOTAL	140.42	09014	1		10	•	200	1997	9141	70461	30100	10031	2340	962	170	94	•	3

### TABLE C74 DISTRICTUTION OF GENERAL LAND FACTORS FOR THE TOUCH-AND-ON ROLL RESSION PHASE FOR ASSESSED TO

CH-PH	BLOCK	TOTAL									-	TOR 011	TATOUT	ION (6)								
of ace	T 100F	PFARS	0.0	0.3	0.5	8.4	0.7	0.75	0.00	C. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7 2.7	ı
	(1100.)																					
1 1	0.45	551						ı	1	13	14	49	37	46	15	•	1					
1 5	3.44	2545					2	5	48	155	324	539	326	192	168	66	16	1				
1 1	21.10	19671		•	13	51	59	95	340	976	2360	3005	3520	2516	1191	461	179	97	27	5		
1 4	31.26	26707	1	15	12	110	276	304	017	1505	3514	1797	9534	4409	2110	1050	500	364	103	36	•	
1 5	20.29	14039			3	•	42	89	290	709	2010	4487	4527	2444	937	784	100	43	4			
1 6	3.31	2693			1	2	7	17	95	100	390	614	660	463	215	72	15	2				
1 7	27.72	21151					15	62	226	014	2740	5714	6792	3494	954	239	64	25	4	4		
1 •	43.71	36307			•	7	60	127	314	1951	5024	10091	11221	5911	1748	300	94	40	3			
1 •	40.71	13040			3		26		239	1122	4190	9102	11045	5407	1456	314	69	19	i			
1 10	1.77	1949				1	1		27	124	276	300	377	290	99	37	10	1				
POTAL	104.44	154900		10	- 64	144	400	844	2310	2001	20074	40003	44 24 2	7" 104	9961	2025	1050	600	1 10	44	•	

## TABLE C70 DISTRIBUTION OF GROUND LOAD FACTOR FOR THE LANDING IMPACT MISSION PHASE FOR ATACRAFY ASSIGNED TO

Cu-fu	BLECK	TOTAL									-	rae 015	TO DOWN I	421 100								
AL LEE	Time (min.)	PEARS	•.•	<b>~</b> .3	.,	0.6	0. 7	U. 13	0.00	4.65	0.90	0. 95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7	7.0
1 1	3.70	109								5	13	34	14	13	•	3	6	4	- 1			
1 2	1.70	1993			1	1	13	15	51	87	145	234	176	146	91	65	34	23	1		2	
1 3	5.44	3015			ĭ	14	24	95	101	204	56 1	941	729	559	319	144	75	73	17	10	•	
ii	4.81	5030		- 4	ĕ	20	51	102	201	309	702	979	800	705	453	236	151	91	19	12	,	
i i	4,90	3997		ì	À		26	- 44	129	242	490	740	700	404	276	131	- 86	40	25	18		1
	1.95	1500		•	•	,	13	20	99	113	223	326	326	232	114	45	40	24	- 4	1	1	
. ;	5.00	4915				14	51	47	120	352	864	450	800	616	323	154	100	97	26	10	•	
	6.22	5147			- 1	• • •	"	*	143	377	740	1114	1094	019	307	178	90	69	15	ii		
: :	5.71	4770			•	×	20	50	in	324	719	991	1026	798	395	149	- 75	51	ió	1	•	
					•	-	•••	-										"		•		
1 10	0.35	257				Z	•	•	11	15	45	43	36	48	55	•	,	•	•			
, ,	0.25	30									,	12	•		1	ı	3	5				
3 4	6.15	115								•	10	3.4	26	16	•		5	•				
, •	9.35	42					5	1		9		•	5		•	ı	2					
4 3	0.70	151						3	3	13	55	20	24	16	10	11	•	•	ı			
	0.1^	74				1	ı	2	2		•	14	14	14	•	3	2	1				
4 7	0.65	91			1	•	4	2	3	3	3	1		L	3	1	1	1	•	- 1		
****	94 85	10101			24	70	244	A 94	-	2244	4307	4244	-	4473	2421	1150	482	504	140			1

# TABLE COA REQUISOR OF SECURE LOAD FACTORS FOR THE TAME MISSION PHASE FOR AIRCRAFT ASSIGNED TO TRAVIS AFO, CALIFORNIA

CU-PU	DLOCK	TOTAL								TOB DE	TRIBUTI	m (6)									
PLOCE	T) OF	PFARS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0. 05	6. 90	0.95	1.05	1.10	1.15	1.70	1.25	1.3	1.4	1.5	1.	7 2.0	
	(-04.)		D60 IV. IV.	797	94		1,000		123	- 55	26.100						-				
1 2	31.55	481						3	28	219	204	14	10	3							
1 1	97.91	4510					1	16	215	1658	2244	162	12								
1 4	69.45	1767						1	78	412	1026	46	2								
1 5	97.34	4271					ı	11	117	1404	2 907	716	15								
1 4	154.12	6627						LO	204	2093	3252	183	4	1							
1 7	\$4. 70	917							•	272	622	17									
1 0	119.72	1156					1	7	76	1441	1719	103		2	ı						
1 10	44.24	640							7	350	200	Ą						4			
5 5	11.49	96								33	52	•	1								
2 3	71.40	1900				1	4	•	51	423	1177	64	"	1	L	5					
2 4	35. 14	440							•	164	775	34	L								
3 3	39.41	1192						1	37	537	599	16	1								
•••	12.24	166							2	113	241	15									
	7.55	114							5	70	33	1	_								
2 #	47.72	887	ı				1	•	12	327	507	37	3								
\$ 16	31.73	591 4854					5	40	401	513	273	29		i 7							
3 7	10.71	1277				1		25		1860	7214	293	31	•	3						
; ;	94.59	280					1	23	163	122	136	79	11								
- ; ;	47.31	444							19	204	229	11									
- ; ;	29.60	1276					ı	4	72	436	645	42	5		•						
	6.71	41					•	•	'n	21	12		,								
3 7	5.13	42							7	19	21										
3 6	33.69	827							44	334	322	94	11								
1	7.05	701					4	š	72	253	200	- 44	ii	•	Z						
3 10	124.54	4200				1	•	37	260	1767	1899	273	27	•	ì						
4 3	7.09					•	•	••	-	,	,	• • •		•	•						
	5.1.9	357							,	126	212	5			2						
4 4	11.04	116							•	37	19				•						
4 0	3.75	863							43	413	307	19	1								
4 •	0.97	10									10	• •	•								
4 10	9.63	15							ı	25	•										
5 3	30.94	832						1	31	414	379										
5 4	40.77	645							20	144	274	5									
5 6	10.61	103					ı	2		68	31	ı									
5 8	44.70	435							4	219	213		l.								
5 9	10.37	172							1	64	102	•									
5 1.3	5.70	1078			5	3	31	26	146	332	374	122	97	17	10	3					
7 3	13.77	1 36							19	51	62	•									
7 4	47.24	500							15	195	370	11									
7 5	4.22	51								20	23										
7 4	10.59	145							•	114	25			1							
7 7	1.49	126								3.7	96										
7 .	20.64	994						1	45	406	354	75	3								
7 9	16.36	293	_		5.2			•••		118	175	222									
FOTAL	1666.51	48993	1		5		94	214	2400	19704	74104	5043	230	47	21	>	2	4			

# TABLE COUNTRIBUTION OF GROUND LOAD FACTORS FOR THE TARE-OFF RUN MISSION PMASE FOR AIRCRAFT ASSIGNED TO TRAVIS AFO, CALIFORNIA

CW-	-FW	OL OCK	TOTAL								L	-	TOR 011	TUEST	ON (6)								
M.	nce.	TROF	PFAKS	P.	0.	9.5	0.4	0.7	0.75	0. 80	0.05	0.90	0.95	1.05	1.10	1.15	1.70	1.25	1.3	1.4	1.5	1.7	1.0
		(484.)					417	10.7	1450			1000000	115.7	7/553				•	• • •				
	3	0.41	368								16	40	117	121	34	15		•					
1	4	0.79	454					1	1	1	4	31	140	194	40								
1	5	4.00	2671					4	12	24	105	374	770	848	319	135	15	14					
1		6.56	4149			2		1	18	27	113	449	1780	1441	621	140	34	12	7				
Ĭ	7	2.14	1207			_			2	12	32	182	339	410	173	42	•	1	•				
i	À	8.75	4476			1	3	25	41	110	233	513	1290	1324	642	241	110	37	27	1			
1	1.	2.52	21 74				ı	3	14	35	122	330	412	540	317	113	30						
2	4	0. 34	267							2	13	57	84	60	33	2	1	-	•				
2	5	0.46	404				1		2	Ā	15	43	122	120	62	30	•						
2	1	0.96	091				Ĭ	15	24	44	50	121	134	226	109	92	44	19	5	1	t		
		2.19	1234					4	15	33	89	100	263	340	143	45	35	iř	•	•			
2	•	2.16	1775					4	•	23	01	21.1	509	513	271	45	23	13		2			
Ž	10	13.01	8014			•	13	79	114	296	526	1120	1930	1095	1172	474	295	197	49	12	2	1	
3	5	1.52	923			i			14	49	42	200	121	234	147	54	25	•		2	_		
3	7	9.47	297					-	•			96	114	49	11	1			•	•			
Ĭ	ė	7.12	1750			1	3	19	17	45	92	196	410	527	239	100	41	24	13	2	- 1		
3	•	0.59	600			-	•	7		15	35	97	125	129	75	57	25	13	7	2	7		
•	13	12.14	7461			ı		26	99	145	330	1987	1971	1970	1213	434	157	59	29	- 2			
4		C. 50	422			l Ī				2		27	133	147	76	25	2			ĭ			
4		7.44	551							15	27	117	110	149	96	32	_			-			
•	16	2.73	947			1		1	1	3	19	87	170	140	92	44	2	2	3				
•	•	0.53	867				•	25	34 36 11	45	72	120	116	145	117	66	44	14	19	7			
•		4.23	3292				3	25	26	65 51	129	394	954	1027	451	148	40	79	15	2	2		
5	•	7.01	474			- 1	1	•		23	99	01	59	93	74	44	17		2	i			
- 5	10	11. 55	549			1	1	12	11	34	39	100	50	99	92	40	22	, i	•	i			
7	4	0. 17	150			_		-		-	15	73	84	135	53	4	1			_			
7	•	9.47	548							1	33	104	111	294	60	15							
1	1	0.99	500				2	•		25	44	87	100	144	93	50	21		5	t			
7	ě	2.76	2453				_		16	34	101	355	674	648	420	124	49	10	7				
i	•	1.30	1105				3	ě	14	25 26 27	100	167	209	200	197	96	41	20	13				
tat	AL	74.51	30734		1	13	49	272	445	1155	2603	7012	13165	14105	7551	2729	1111	476	234	34	1.5		

### TABLE CO. OISTRIBUTION OF GRADUE LONG PACTORS LANGUAG ROLL-GOT MISSION PAGE FOR AIRCRAFT ASSISSED TO

CW-FU	BLECK	TOTAL							a.	and Pat	TOD 011	TRIGHT I	Cm (4)							
ML OCK	TIME	PEARS	0.0 0.3	0.5	0.6	0.7	0.75	0.00	6.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7 2.0
	(MBM.)																			
1 2	6.11	1992			ı		7	13	204	770	1742	699	196	60	24			1		
1 3	11.27	6430			3	20	16	109		779		1999	930	295	90	101	57	•		
1 4	13.50	7171				15	33		204	984	5000	1502	1011	320	112	24	26	1		
1 5	11.79	6400				1	14	97	210	650	1710	5100	1005	321	71	52	•			
1 4	14.99	8642				•	11	93	210	944	3114	2943	995	245	50	12	3			
2 2	1.72	664		1				13	27		140	500	110	44	15		•	3	1	
2 3	13.91	4032	1	•	7	14	22	30	72	203	1190	1761	434	110	60	22	27	•	1	
2 4	4.71	2764					1	17	43	290	890	650	547	164	49		3			
2 5	3.14	2176			3		29	42	134	250	484	604	269	94	51	26		ī		
2 4	1.41	1909		1	•	43	50	- 07	131	259	234	397	225		33	16	3	2		
2 .	1.47	205					5		14	71	162	166	93	15	•	3	1			
3 2	1.60	790			1	10		29	39	197	139	299	95	24	15		•	- 1	_	
, ,	7.79	4143			ž	14	29	70	107	948	1170	1345	997	194	50	23 20 24	24	7	•	
3 4	4.20	3971	_	_	1	14	34	90	145	976	1102	1240	471	120	25	50			•	
3 5	0.67	777	3	•	•	35	19	96	86	135	90	136	110	69	47	20	15	•	•	1
, ,	1.41	776				L		•	11	104	299	301	74 80 82	16	ž	1	,			
3 7	0.66	471					1	5	12	05	117	144		19	•					
3 10	0.91	355						_	3	55	134	63	62	11	2	_				
• •	0.51	260								31	93	73	34	13		Ī				
	1.29	1104						13 24 90	31	147	395	291	172	43	10		•			
, ,	3.27	1574			-		11	- 25	41	198	429	471	303	84	40	13	•		_	
	4.19	2749		•		17	26	30	101	491	645	794	300	124	48	10		•		
3 .	2.20	1947			_			24	"	250	466	581	126	45		3			i	
7 3	1.35	901	ı	,	•	19		27	.40	163	122	210	116	35	19		•	•	Z	
	5.42	3504				•	7	50	100	344	993	944	606	515	75	16			7	
	1.01	714					:	.:	17	. 02	202	233	66	23		ž	1			
	0.03	854		•	4.			17	47	195	224	545	95	22	-	442				
TOTAL	125.34	66500	,	24	45	554	333	444	2510	8535	10045	21305	9177	2789	756	407	552	50	25	•

# TABLE COM DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TOUCH-AND-GO ROLL MISSION PHASE FOR AIRCRAFT ASSIGNED TO TRAVIS APD, CALIFORNIA

CU-FW OLOCK	OLOCK TOME (REN.)	PEARS	0.0 0.3 0.5	0.4	0.7	0.75	•.•		0.90	700 015 0.77	TRIOUT :	DM (6)	1.15	1.20	1.25	1.3	1.4 1.5 1.7 7.0
1 1	1.37	893	2	1	7	7	29	64	190	160	204	147	71	32	15	•	
1 4	201	1740	_	•	•	13	30	113	254	349	484	341	149	56	21	13	2
1 5	5.90	4004	ı		- 11	25	45	231	593	1110	030	737	340	85	ii	-	i
1 4	4.04	1707			7	10	50	196	950	1053	702	485	272	55	24	Ă	ī
i 7	1.20	924					1	25	125	299	240	104	46		2	_	•
TOTAL	14.12	11360	3	1	24	43	175	429	1400	2973	2470	2004	078	236	95	31	3

### TABLE CO-DISTRIBUTION OF GROUND LOAD PACTORS FOR THE LANDING INPACT MISSION PHASE FOR AIRCRAFT ASSIGNED TO TRAVIS APB, CALIFORNIA

									***											
CM-FM	DLOCK	TOTAL							U	DAD FAC	TOR DEST	PALOUTIC	M (6)							
PL OCK	TIME	PEAKS	0.0 0.3	0.5	0.6	0.7	0.75	0.00	0. 05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7 2.0
	( PPM . )																			
1 2	0.2	134			1	ı	•		7	10	19	23	16	12	7	7	. 2	3	1	
1 3	0.85	643		1		11	. 11	33	67	100	95	92	92	47	35	25	24	13		
1 4	0.75	795		1	•	20	24	41 94 42	71	113	92	107	90	68	62	25 20 35	24 35 23	19		1
1 5	1.35	995		1	•	9	26	94	*	151	197	114	153	90	41	35	23	10		
1 6	1.30	1037			2	15	11 24 26 19	42	79	145	166	167	157	89	49	32	27	16	10	1
1 7	0.15	110						5	15	15	23	11	20	10	5	3	•	2	7.14	=
2 2	0.10	87		ı	1	2	2	2	11	17		•	•	11	3	Š	2	3	1	
2 3	0.60	470	1	4	5	11	11	55	25	47	97	69	50	10 11 37	22	17	21	5	1	
2 4	0.37	272			2	5	3		25 27	33	50	42	36	50	16	12		2	-	
2 3	0.20	274		1	Ž	•		12	29	26	20	31	20	20	15		ıĭ	ē		
2 4	6.17	112			•	•	•	•	10	•	15	13	11	15	•		1	1		
2 0	0.10	77					ı		4	10	10	34		1	_	_	_	•		
3 2	0.10			1	2		•	•	•	11	3	11	7	•	•	1	4	3		
3 3	0.50	502	1	2	•	•	•	34	33	72	84	89	53	31	27	26	10	•	2	1
1 4	0.35	205			1	3	7	10	26	44	47	29	30	24	13	10	13	2	2	•
3 5	0.05	50		L	1			2	2	15	7	3	5	4		2	3	ī	-	
3 4	0.05	57				ı	5	2	3	10	•	12		•	•	ī	1	ž	1	
3 7	0.05	49					5	7	•	7	7	1	3	3	7	4	1			
3 10	0.05	26								5	11		2	1			ž	1		
4 3	0.05	15						2	•	5	2	11	7	Ž	2		•	-		
• •	0.10	102				ı		7	13	16	11	13	26	•		3	1	1		
5 3	0.27	107		L				10	10	21	34	12	55	16	10	7	Ī	Ă	2	
5 4	0.27	205		1		14	8	10	15	23	16	23	23	25	22	5	•	5		
5 6	0.17	49				1	ı	2	•	•	•	5	11	5	- 3	ě	Ť	2	2	,
7 3	C. 10	63		1		1	2	7	7	•	11	7	4	2	2	3	1	ž	-	i
7 4	0.3u	30G		2		2	10	14	22	30	49	33	42	29	21	19	14	5		
7 5	0.05	26							1	•	11	•	5	•		1		•		
7 6	0.35	50					1	ı	5	10	14	•	5	5			2			
TOTAL	8.53	7847	,	10	37	145	100	344	405	1052	1900	974	945	399	402	271	246	116	44	4
																	_			

## TABLE ON PACTORS AND PACTORS FOR OUT OF ACCOUNT PRACTORS AND ACCOUNT AND ACCOUNT AND ACCOUNT AT

CH-PH OLOCA	BLECK	TOTAL					- 00	u	-	-	PRIOUT H	101	0.00		7.754		1.4 1.5 1.7 2.0
of acu	1107	PEARS	0.0 0.3 0.5	0.6	<b>6.</b> 7	0.75	0.00		•••	•••	1.05	1.10	1.15	1.70	1.23	1.7	1.4 1.5 1.7 7.0
1 4	0.50	700							•	240	449	21					
1 5	7.25	149								••							
TOTAL	10.14	***								<b>201</b>	***	21					

# TABLE CYC DISTRIBUTION OF COMMO LOAD PACTORS FOR THE TARE-OFF NUM DISSIGN PHASE FOR DATA ACQUISED AT ALTYS AFO, COLAMBIA

CU-FU	DLOCK	TOTAL						L	-	TOR 0151	TRIOUT I	DN 161					
BLOCK	TIME	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	6.05	0.90	0.95	1.05	1.10	1.19	1-50	1.25	1.3	1.4 1.5 1.7 4.7
	(P\$0.)	***							94	100			17	•			
	0.35	247						•		107	120	**	•	•	•		
TOTAL	0.71	942						•	11	200	237	99	10	2	1		

# DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LAMPING ROLL-DOTT HISSIGN PHASE FOR DATA ACQUINGS AT ALTUS AFR, DILAMBRA

CH-	FW	ALOCE	TOTAL						L	DAD FAC	198 PES	-	P 161					
OF L	CK	7800	PEARS	0.0 0.3 0.5	9.4	0.7	0.75	0.00	0.00	0.90	0.95	1.05	1.10	1.19	1.20	1.25	1.9	1.4 1.5 1.7 2.7
		(170.)																
- 1	•	0.00	659					7	15	34	190	199	130	44	5		2	
1	•	0.40	295						3	24	140	110		1		1		
1	7	0.00	451							16	172	214	44	j				
701	AL	2.14	1405					7	10	76	510	526	1 95	46	5	1	2	

# TABLE CM DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TOUCH-AND-OD ROLL MISSION PHASE FOR DATA ACQUINED AT ALTUS APS, ONLAMONA

CW-	ŦW	DL OCK	TOTAL							TOR 915	TR 1 00 T 10	m (6)					
DLO	K	1 346	PEARS	0.0 0.3 0.5	 0.7	0.79	0. 00	9. 05	0.90	0.95	1.05	1.10	1.15	1.20	1-52	1.3	1.4 1.5 1.7 2.6
1	5	2.06	1003		2	•	10	92	132	476	490	175	97	27	•	ı	
1	7	0.27	700			;	3		123	100	30	130	24	3	1		
101	AL	9.50	2546		2	ıi	24		505	100	201	190	96	31	10	ı	

# TABLE CODISTRIBUTION OF SEGUED LONG PACTORS FOR THE LANGUED INVEST MISSION PROSE FOR SAFE ACQUISED AT ALTHE APPLY CHANGES

CH-	fu	BLOCK	TOTAL					L	040 FAC	TM 915	TR 10VT 1	101					
OL (	KK	1300	PEARS	 0.6	0.7	0.75	0.00	4.00	0.90	0.95	1.05	1.10	1.19	1.20	1-55	1.3	1.4 1.5 1.7 2.0
ı	•	0.05	41			1	1	3	•		7		•			2	
ı	5	0.35	500					•	36	70	82	39	10				
1	7	1.10	40				i	2	•	70 13	82 14	7	i	4	•	i	
1		0.20	126	L			7	14	19	13	20	10	10		2	3	
TO	AL	0.70	495	ı	1	2	53	20		100	131	47	10	23	•	•	i

### PARTIE COMPANY OF STATE COMPANY OF STATE

(p-70	OLDES.	1014						-	PM 000	1910/1	m 181					
er est e	100	Plant	 6.6	0. T	· 25	•••	4. 00		0.99	1.00	1.10	1.15	1.20	1.25	1.1	1.4 1.5 1.7 7.0
	9,10	146							107	120						
10744	88.47	1897						84	404	411	•					
1 9	5.94	99							48	**	1					
1014	10.00	8671						6.8	799	700	12					

### TABLE CION DESTRIBUTION OF AUGUST LAND FACTOR FOR TIM. TAME-OFF CAS MISSION PURSO FOR DATA ACCUSAGE AT

-		1000	1014					U		-	1410471	101						
	<b>S</b> C	1900	MAIL	 	0.7	0. 23	0.00	1. 00	0.90	8.99	1.05	1.10	1.19	1. 20	1.29	1.1	1.4 1.5 1.7 7.0	•
			244									••						
		8.41	344					•	10		100	_						
	•	8.87	993					2	19	201	297	70						
		0.25	179					2		795	100	17						
10	144	1.00	970					Ť	34	100	448	181	10	l.				

### TABLE CION TABLE CION TABLE TABLE

CO-PO OLOGE	MARKE.	701 44						-	tm +15	*****	141					
**	1900	PEMS	 	<b>6.</b> 7	0.75	0.00	J. 00	0.00	0.00	1.00	1.10	1.15	1.20	1.29	1.7	1.4 1.5 1.7 2.0
1:		1710			ı			30	175	100	22	12				
-	0. 11					į	1	27	191	36	. 34	i	Í			
-	4.51	2075			1	:	•	177	979	140	107	10	:		ŀ	

### TABLE CION DISTALIBUTION OF SAMES LAME PACTON FOR THE TOUCH-AME-OR BOLL MISSION PINESS FOR BATA ACQUINGS AT

3	60-		-	TOTAL								PM 015							
- 1	20		7 200	PEARS	0.0 4.1 0.5	0.0		0.79	0.00		0.77	0.01	1.00	1.10	1.10	1.20	1.25	1.1	1.4 1.5 1.7 7.3
			149-1	-															
		8	0. 10	171						•	14	42	48	29	24	10			
		3	3.01	444					88		47	153	273				•		
	1	•	1.26	-				•		20		270	273	5.0	20	•	3		
			2. 33	1210				j		19	184	400	100	100		•			
		•	2.70	1701			ì	•	•		80.4	497	440	143		19	•		
			12.10	8948		•	88	19	20	102	1 34 5	2071	2710	1014	488	*	16	10	1
		•	10.90	7916				10	30	200	1000	1000	2924	1197	300	94	•	1	
	1		0.97	901			Ĭ.		47		100	121	100	105	99	10			
	100		20.00	20002								6800	4494	-	-	204			•

## TABLE CION DISTRIBUTION OF SERVICE LOSS FACTORS FOR THE LAMBING LOSSES PLANS FOR SALE REQUIRES OF

60-71	PARE	TOTAL						N.		PRE 918	THE PARTY	161						
14.00	1000	PERS	4.0 4.3 4.5	3.6	0.7	0.75		. 95	0.96	0.99	1.01	1.10	1.15	1.50	1.25	1.9	1.4	1.5 1.7 7.0
1 4	0.00	10										•						
	0.30	147				8	•	10	24	31	20	2	14		•			
	C. 90	200			•	•		88	90	#	-	24	14	10	•	•		
1 1	0. 20	147						19	73	94	-	- 5	1		•			
1 1	6.50 6.50 6.50 6.50	240	1		ī		ě	10 10 10 11	70 70	- 5	NEZZSSZ		100	**				
	1.07	1244			8.6	-	27	848	210	251	944	214	100	43	33	10	•	•
	1.20	900			11	ij	-	71	194	391 176	172	***	70	10	33	10	•	1
i	0.20	148				•	•	•	24	10	20	30			1	•		
1014	4.40	1000		•	10	••	100	200	903	689	002	944	204	888	•1	94	10	•

# PARTY COLOR PARTY

CD-PU BLOCK	PLOCE TOTAL	797AL	 	9.6	8.1	0.70	4.00	 0,90	M 917	May 1	1.10	1.19	1.20	1.25	1.1	1.4 1.5 1.7 2.0
	A COURT A	17.500-17-	 					 								
1 9	0.30	44							3	48						
	0.97	•														
i 10	7.30	149							124	21						
1 1	11.77	49						1	184	40						
1 1	11.00	1						-		ï						
1 1	7,50	10						1	14	21						
1 4	5.72	•						•	12.50	7						
TOTAL	00.42	297						2	149	127	i					

### TABLE CITS PISTRIBUTION OF ARRIVE LAMB FACTOR THE THE TABLES PHASE THE LATE ARRIVED AT

67.0CE	OLECE .	TOTAL					L		TOR -115	TREBUT 10	m (6)					
of ocu	1100	PEARS	 0.6	0.7	0.75	0.00	1.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	0.4	291				1	•	29	109	122	25	3				
1 10	0.47	375				1	17	99	140	159	33		L			
2 3	0.31	194					3	17	96	50	20	•	ž			
2 9	0.50	242					3	10	97	03	49		_			
TOTAL	1.90	1004				5	27	100	402	304	127	10	3			

### TABLE CITY DISTRIBUTION OF PRINCIPLE COMP PACTOR PORT TIME LANDENS ROLL-OUT INTESTOR PRINCIP POR SAID SEQUENCE AT

CD-79 BLGC	70744 70445	0.0 0.3 0.5 0.4	0.7 0.79	0.00	6.09 ^{L(}	10 PAC	PR 915	70 1007 30 1.05	10) 1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 7 0. 2 3 1. 2 6 0. 707AL 3.	14 514 51 121 77 126		1			13 90 10 13	100 117 40 44	100 127 47 43 257	16 16 25 77	3 2 3	;	2 2 5	1	1 1 2

## TABLE CI14 PISTRIBUTION OF SPACES LAND PACTOR FOR THE TOUCH-AND-ON COLUMN PACTOR FOR AND AND AND AND FOR AND AND AND AND

CO-PU OL CEA	PLOCE	TOTAL							SAD PAC	res DIS	TRIOUT I	IN 161					1.4 1.5 1.7 20
OL OCA	77.00	PRAES	0.0 0.3 0.5	0.0	0.7	0.77	0.00	0.00	0.90	0.95	1.00	1-10	1.15	1.20	1.29	1.3	1.4 1.5 1.7 20
	( mm. )									-	-	-					
- 1 1	0.20 0.16 0.44	127					•		X	- 72	- 22	- 6	13				
10144		201					•	10	44	34	48	- 44	10	i	1		

CO-PU OLOGA	1100 1100 1000	PERM															
	0.00 0.10 0.00 0.00 0.00	il.	i.e	•	ŧ	ŧ	ŀ	- 4	4	ij	1	ij	;	•	10	•	1 2
TOTAL		ä		•	•			į.	ij.			*	18	1	11	•	3
					-												

## TANK MENTERS OF PROPERTY OF THE PARTY OF THE

CU-FU	BLOCK	TOTAL						040 PAS	TOR 016	******							
BLOCK	TRAE	PEARS	0.0 0.3 0.5	0.6 0.	7 9.79	0.00	6.25	0.90	0.98	1.00	1.10	1-19	1.20	1.25	1.3	1.4 1.5 1.7 7.	0
1 3	9.30	304						19	145	100	7						
1 1	13.47	701						:	220	10							
; ;	5.29	76						•	13	54	i						
3 .:	1.07 2.50	22							.7	**	_						
4 4	5.40	- 3							18	12							
TOTAL	5.90	196								100	.1						
TOTAL	40.58	1344						5.4	254	777	17						

### TABLE CIPS DISTRIBUTION OF SERVING LONG PACTORS TAME-OFF DISTRIBUTIONS TAME-OFF DISTRIBUTIONS

CH-FH	DLOCK	TOTAL							-	TOR 015	TRIOUT I	ON (6)					
OFDCH	TIPE (MEN.)	PEARS	0.0 0.3 0.5	9.6	0.7	0.75	0.00	7. 88	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 3	0.33	279					•	14	40	••	74 59	30 10	14	•	•		
4 10 TOTAL	0.66 0.70 7.74	530 799 1005			1	5	11	30 70	42 117 199	105 160 441	199 190 930	141 271	74 97	10	17	;	

# TABLE CIZE DISTRIBUTION OF SEQUED LONG PACTORS FOR THE LANDING ROLL-GUT HISSIGN PHASE FOR BATA ACQUINGS AT AMERICAS AFE, MARRIETEN, D.C.

SPOCK CA-LA	BLOCK TIME (MEH.)	TOTAL PEARS	0.0 0.3 0.5	0.6	6.7	0.75	0.00		0.90	0, 95	78 10VT 10 1.05		1.15	1.20	1.25	1.3	1.4 1.5 1.7 g.C
1 1	1.42 0.45 0.02	1274 304			1		10	<b>55</b>	171 20	393 126	163	179 40	56 16	51	1	1	
TOTAL	0.61 3.30	336 1991			1		10	94	513	144	154 714	297	3 75	25	1	1	

## TABLE CIM DISTRIBUTION OF COMMON LOAD PACTORS LAMBOUR MORE TESSION PHASE FOR SOME ASSESSED AT

CM-		BLOCK	TOTAL								TOR 915	TR10VT1	10)					
OF 6	K.	TIME (MIM.)	PEARS	0.0 0.5 0.5	0.6	0.7	0.75	0.00	0.00	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1	•	0.10	100		ı	8		:	10	12	10	17	15	11	5	•	2	l.
TOT	AL	0.05	144		1	2	٠,		ıl.		3	22	i M	17	1	1	2	1

### TABLE CLIC DISTRIBUTION OF COMMUNICATIONS FOR THE TABLE RESIDENCE PAGES FOR COMMUNICATION AT

CU-PU		TOTAL								M 9151							
Dr ock	Time (Min.)	PEARS	0.0 0.3 0.5	0.4	0,7	0.75	0,00	0.00	1.70	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 5	4-20	430						•	14	196	213	•					
	3.41	107							13	90	100	•	_				
									13			•	Z	,			
	4.21	217					_	_			115		ı				
TOTAL	17.97	451					1	•	40	379	439	30	3	1			

# TABLE CIDS DISTRIBUTION OF SHOUND LOAD FACTORS FOR THE TAKE-OFF ROM RISSION PHASE FOR DATA ACQUIRED AT ANTIQUA, WEST INDIES

CH-FH BLOCK	OLOCK TORE (MEN.)	TOTAL PEAKS	0.0 0.3 0.5	0.4	0.7	0.79	0.00		0.76		TR10VT1		1.15	1.20	1.25	1.3	1.4	1.5 1.7 2.0
2 0	0.42	377					1	50	45		151	53	16	3	•	2	ı	1
2 9	0.52	510	1	1	1	3		27	77	160	164	45	16	•	4	3		
TOTAL	0.94	893	1	1	1	3	•	47	122	240	315	90	34	•	•	5	ı	1

### TABLE CISC DISTRIBUTION OF DAMED LOAD FACTORS FOR THE LANDING ROLL-GUY RESIGN PHASE FOR DATA ACCUMEN AT ANY TODA, MEST THOSES

25 1.3 1.4 1.5 1.7 2.0
1 1
2

# TABLE CISA DISTRIBUTION OF BARBON LOAD FACTORS FOR THE LANDING INPACT HISSIAN PHASE FOR DATA ACQUIRED AT ANTIONAL, MEST INDIES

CM-LA OF OCK	SLOCK TIME (MON.)	TOTAL PEARS	0.0 0.3 0.5	0.4	0.7	0.75	0.00			ren 0151			1.15	1-50	1.25	1.3	1.4 1.5 1.7 4.0
1 5	8.05 8.05	42					2	•	3	10	;	3	:	3		•	1
TOTAL	0.10	74					•	<b>A</b>	7	11	17	<u> </u>	17			•	1

### TABLE GIA DISTRIBUTION OF CHEMIN LAND PACTORS

### TAIL HOLDING PHACE PER BASE MEMBERS AT SCONSION ESLANDE, S. ATLANTIC

CH-PH BLOCK	DLOCK TIPE	TOTAL PEARS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	0. TAE			1-15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MIM.)	10.57												•••	
• • •	3.92	104						1	4	- 3					
TOTAL	7.48	120						L	36	63					

### TABLE CICA DISTRIBUTION OF COSUMD LOAD FACTORS

### TAKE-OFF RUN MISSION PHASE FOR BATA ACOURAND AT ASCENSION TRANSPORTER ASCENSION TRANSPORTER

CH-FH	MARCK	TOTAL							MO FAC								
BLOCK	TIME	PEARS	0.0 0.3 0.5	0.0	0.7	0.75	0.00	0.05	0.90	0.95	1.05	1.10	1-15	1.20	1.55	1.3	1.4 1.5 1.7 2.0
2 9	(MM.) 0.52	322						•	20	169	114	15	1				
TOTAL	0.52	355						3	50	100	114	15	i				

## TABLE CI4e DISTRIBUTION OF ONESHIP LOAD FACTORS FOR THE LAMBING MILL-GAY MISSION PHASE FOR DATA ACQUISED AT ASCENSION ISLANDS, 2. ATLANTIC

CU-FU	DL OCK	TOTAL								TOR 0151								
M DC K	TORE	PEARS	0.0 0.3 0.5	0.4	0. T	0.75	0.00	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 7.0	
	(MER.)																	
2 3	0.46	201						•	22	94	69	14	5					
TOTAL	0.44	201						3	22	86	69	14	•					

## TABLE C144 DISTRIBUTION OF ARBITO LONG FACTORS FOR THE LAMBING INDEXT RESSION PHASE FOR BATA ACQUIRED AT

CU-FU DL GCK	TRME	TOTAL PEAKS	0.0 0.3 0.5	0.4	0.7	0.73	0.00		0.70	0.95	1.00	1.10	1.19	1.20	1-53	1.3	1.4 1.5 1.7 2.0
POTAL	0.05 0.05	47						1	:	19 13	Ħ	t	•	3			

# TABLE CITA DISTRIBUTION OF DESCRIPTION FOR THE TASK STARS OF TABLE FOR DAYA ADDISINGS AT DEMA AND, CALIFORNIA

CH-PM	PLECK	TOTAL							NO PAGE								
DLOCK	TERE	PEARS	0.0 0.3 0.3	0.6	<b>6.</b> 7	0.73	0.00	0.00	0.00	0.95	1.00	1.10	1-15	1.20	1.23	1.3	1.4 1.5 1.7 2.0
	( NOS. )																
l 5	1.14	12								3		1					
1 6	17.01	1151						5	78	424	429	15					
TOTAL	m.15	1163						5	70	431	430	16					

CH-PH	BLBCR	TOTAL								rm 015		m (6)					
PLOCK	TIME	PEARS	0.0 0.3 0.5	0.6	6.7	0.75	0.00	4.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MIN.)																
1 9	0.45	147						5	•	67	35	12					
1 .	0.40	207							29	90	65	17	ı				
MITAL	0.05	396						5	93	149	137	29	•				

# TABLE CISC DISTRIBUTION OF SAMENO LOAD FACTORS FOR THE LANDING ROLL-OUT WISSION PHASE FOR DATA ACQUISED AT DEALE AFO, CALIFORNIA

Cu-Fu	MER	MIOT							DAD FAC								
DL OCK	TEME	PFARS	1.0 4.3 4.3	0.6	0.7	0.75	0.20	0.85	0.90	0.93	1.95	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	( mgm , )																
1 6	2.49	1135			1	2	12	24	109	361	304	149	73	15	1	2	
TOTAL	2.49	1135			1	5	12	24	109	261	306	149	73	15	ì	ž	
																-	

# TABLE CISA DISTRIBUTION OF CROWN LOAD FACTORS FOR THE TOUCH-AMD-60 MILL MISSION PHASE FOR DATA ACQUIRED AT BEALE AFO, CALIFORNIA

CW-FW	DLOCK	TOTAL								TOR 0151								
OF OCK	TIME	PEARS	0.0 0.3 0.5	0.4	8.7	0.75	0.00	0.85	0. 90	0.95	1.05	1.10	1.19	1.20	1.25	1.3	1.4 1.5 1.7 2.0	
	t Min. I		310 310 311	-	•••				••••	••••								
1 .	1.25	001						33	130	203	316	90	12					
1 7	0.42	240							23	103	107	31	2	_				
TOTAL	1.47	1149						33	133	306	423	139	14	1				

## DISTRIBUT TO

CM-CM	PLOCE	TOTAL						u	MP PAC	100 DES	TRIBUT I	CO (6)							
	TIME	PEARS	0.0 0.3 0.5	0.4	6.7	0.75	P- 00	6.00	0.90	0.95	1.05	2.10	1.15	1.30	1.25	1.3	1.4	1.5	1.7 2.0
	( MW. )																		
l 6	0.25	107			•	5	•	10	30 31	24	34	33	24	•	4	•	•	•	t
1 7	0.22	36					1	•	3	•	•	3	•						
TOTAL	0. 30	223			•		•	14	21	22	37	20	26	•	•	•	3	•	1

CD-FU	TORR	TOTAL PRACS	 0.0	4.7	6.TB	6.00	'	7.15	PE 017	1.45	(0) 1.10	1.19	1.30	1.25	1.9	L-4 1.5 1.7	7 2.0
	9.00 3.42 3.73 9.07	207 207						•3	120	337	3 19	1		18			
-	0.42 10.57 27.25	79 148 1483						25	114	10		ī	1	2			

### DISTRIBUTION OF SHORED LAW PERSONS

TACT-OFF SEE STEEDS FRANK FOR BATTA ACTURING AT

CW-PV OL OCA	FINE TIME	TOTAL PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	4.00 ^L	0.70	0. 75	1.00	(4) 1.10	1.15	7-50	1.25	1.3	1.4 1.5 1.7 2.0	
TOTAL		294 951 945					H	ď	iii	110 200	132	23 25	H	1				

### TABLE CITO DISTRIBUTION OF CHORN LOAD FACTORS FOR THE LANDONS POLL-OUT RESIDEN FRANCE FOR BOTO ACCUMENT AT

		MACK	TOTAL								MINT I	m (6)					
	KR	1306	PEARS	 1.6	0.7	0.75	0. <b>9</b> 0	0. 85	0.90	0.95	1.00	1.10	1.15	1-50	1.25	1.3	1.4 1.5 1.7 2.0
•	•	0,04	753			2		25	127	290	107	114	20	7	5	2	
7	5	1.01	710			•	4	17	65	201	\$33	86	53	1	5	1	ı
. 7	•	0.03	894		2	ı	17	47	195	224	545	98	55	•	1	3	
101	at.	2.60	5353		5	7	20	••	404	750	665	534	••	14		•	l

## TABLE CIM PETRIORITION OF GRAND LING PACTORS FOR THE LAMBORS MODEL MESSION PAGE FOR THE COMMENTS AND ADMINISTRATION OF THE COMENTS AND ADMINISTRATION OF THE COMMENTS AND ADMINISTRATION OF THE

CO	•	OLOCK TO GO	TOTAL					u	140 FHE	74E 017	MINUT N	161					1.4 1.5 1.7 2.0
		(100.)		0.6	0.7												
*	•	6.05 6.05 9.05	25				•	•	•	10	7	14	5		3		
101	*	0.15	130			ŧ	1	14	10	36	17	*	3	1	3	5	

## AND SAFE COMMENTS OF THE PARTY OF THE PARTY

CD-F0	-	1014							AD 145	PER 000	TO STATE OF	D 100					1.4 1.5 1.7 2.0
07.000	7970	PERMIS	en er er	-	-1	<b>677</b>	<b>C.00</b>	-	6.00	-	1.00	1.00	L-10	1.0	L-80	1.3	1.4 1.5 1.7 6.0
1 4	4.30	204					•	87	- 88	100				•			
1 0	9.30	000										7	1				
3 4	11.17	100						•	12	88		i i	Ă				
TOTAL	11.17	1804					•	3	1	200	916		26				

### PARLE CITY PASTE PROPERTY LOSS PACTORS POR THE

THE OFF SET RESIDENT PRINTS

CO-PO DL SCR	OLDER THE TOTAL	PEARS	 0.4	.,	0.79	•••		0. 74E	0, 95 0, 95	1,00	1.30	1.19	1.20	1.25	1.3	1.4 1.5 1.7 2.0	•
1 4	0.30	307			1	1	19	39	87	91		25	•				
	0.99	720				3	7	37	210 207	367	141	Ĭì	2				
TOTAL	1.37	1000			1	•	26	76	207	490	141	36	ě				

## MALE OF SECURE AND ACTOR LAMBOUR SELECTION OF SECURE AND ACTOR THE SECURE AND ACTOR THE SELECTION OF SECURE AND ACTOR THE SECURE AND ACTOR THE SELECTION OF SECURE AND ACTOR THE SELECTIO

## PARLE CINE PRINCIPLE OF CHILD LAND PACTORS LANGUA DESCRIPTION FRANCE L

CU-PU BLOCK TOTAL LAND PASTUM SISTRATORY ON 1415 1-20 1-25 1-3 1-4 1-5 1-7 7-0 (MINISTER) OF THE CONTRACT OF T

CO-FO	OLUCE:	1014							-	-	ra sour s	- (6)					
07.000	1900	PEARS	6.3 6.1	•••	.,	0.79		6.05	0.00	0.95	1.05	1.10	1.15	1.20	1-25	1.3	1.4 1.5 1.7 2.0
11	1 2 70	303						2	.77	190 900	344 971 199	77	10	11	•	2	
10744	**	200				;	i	H	77	100	190	77	19 50 175	**	:		

							-										
CI	-	OLDER.	1074					U	-	TUR 0151	ra tent t	m 101					1.4 1.5 1.7 2.0
•	<b>ec</b> s	1900	PEARS	 0.0	<b>6.</b> T	0.75	6.00	0.00	0.00	0.95	1.05	1.10	L.13	1.20	1-52	1.3	1.4 1.5 1.7 2.0
1	7	0.10 0.30 0.10	**			•	10	11	17	15 60 16	14 51	20	10	•	9	•	
	100	200				•	11	1	N	3	3	3	3	10	5		

#### DISTRIBUTION OF DESIGNS LONG PACTORS FOR THE TASE RESIGNS NAMES FOR SAME RESUMES AT CHARGE VAR, PRANCE

CU-PU	OLDER	TOTAL						u	ME PAS	TEN 9151	MINUTE.	D (6)					
DL OCK	7 900	PEARS	0.0 0.3 0.5	0.6	0.7	0.79	0.00		0.90	0.95	1.05	1.10	1.15	1.20	1-55	1.3	1.4 1.5 1.7 2.0
	(1996)																
1 3	8.70	2349					2	27	350	610	1107	233	19	3	1	1	
4 10	1.42	2								1	ı						
TOTAL	10.12	2991					5	27	320	017	1100	533	19	3	1	1	

#### TABLE C196 DISTRIBUTION OF SABURD LOAD FACTORS FOR THE TAKE-OFF RUN BISSION PMASE FOR DATA ACQUIRED AT CHAMBLEY AG, FRANCE

Lu-fu	MCCE	TOTAL						L		TOR D15	111011	(2) 40						
M OCH	TORE (MEN. )	PEARS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	4.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2	. 0
4 10	0.65	700				1	3	10	90	204	239	93	27	3				
TOTAL	0.45	700				1	3	10	98	204	259	93	27	3				

### TABLE CISC DISTRIBUTION OF SABOUR LOAD FACTORS FOR THE LANDING ROLL-DUT MISSION PHASE FOR DATA ACQUIRED AT CHANGLEY AS, TRANCE

CH-FW	BLOCK	TOTAL								ren 0151								
OF GC K		PEAKS	0.0 0.3 0.5	9.4	0.7	0.73	0. 00	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.55	1.3	1.4 1.5	1.7 2.0
1 )	(MM.)	437					1	10	10	164	134	34	20	2				
TOTAL	0.43	437					ı	10	50	104	134	56	50	2				

#### TABLE CIME DISTRIBUTION OF GROUND LOAD FECTORS FOR THE LANDING IMPACT HISSIGN PHASE FOR DATA ACQUIRED AT CHARGLEY AB, PRANCE

Cu-Fu	BLOCK	MIOT								TRIBUTIO						
BLOCK.	7 9 PE	PFARS	0.0 4.3 0.5	0.6 0.7	0.75	6.00	0.01	0.90	0.75	1.05	1.10	1.19	1.20	1.23	1.7	1.4 1.5 1.7 2.4
	(1000.)															
1 3	0.05	53		3	2	1	•	1		•	11	•	3	5	2	
TOTAL	8.05	4.2		1	,	1	A			•	11	•		,		

#### TAN STORM THAN

CU-PU OL OCE	OLOCE TIME	TOTAL	0.0 0.3 0.5	0.6	<b>1.</b> 7	6.79	 ••	<b>~.</b>		1.00	m (6)	1.19	1.20	1.29	1.9	1.4 1.5 1.7 2.0
1 4	4.20	204								110	•					
1 5	9.83	221						3	120	90	2					
1 .	7.03	- 66							40	10	•					
1 7	0.50	1							1							
3 4	4.61	50							•	14						
	6.64	40							14	29	ı					
TOTAL	24.95	842						3	273	247	•					

#### TABLE CIPS DISTRIBUTION OF COMMO LOGS FACTORS FOR THE TAKE-OFF RAN RESSION POLICE FOR DEEA ARQUINGS AT

CU-FU DLOCK	PLOCE TIME (MIN.)	PEAKS	0.0 0.3 0.5	0.6 0.7	0.75	. 00		0.70	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 3	0.24 0.33 0.41	135 100 276 300	1	i		1	1	19 10 36 30	96 96 199 198	56 56 132	10 23 44 43	10	2	2	1	<b>L</b>
TOTAL	1.49	943	1	1		3	13	86	345	313	140	51	10	5	1	l.

#### TABLE COMDISTRIBUTION OF GENERAL LAND FACTORS FOR THE LAMBERS RELL-CUT RESSION PRACE FOR BACK ACCUSINGS AT

CW	-Pu	BLBCK	TOTAL					1.5	L	NO PAS	ten ets	miest i	III (6)					
	OC R	Time	PEAKS	0.0 0.3 0.5	8.4	0.7	0.75	0, 00	0. NS	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
		(MM.)	574				•	•	-	-	147	192	79	22	•			
i	•	0.54	354			5	•	ī	- 13	**	147	113	77	"	li	ź	ı	•
3	•	0.75	393							55	193	141	15	1				
Tu	TAL	2.14	1351			5	•	7	74	101	407	420	100	31	15	7	1	l l

#### TABLE COM DISTRIBUTION OF ORDING LAND PARTIES LANDING INVACT HISSISS PRINCE COMMUNICATION OF ACCURATION OF ACCURAT

CW	-71	BLECK TIME	TOTAL					u	-	ran otor	-	m (6)					1.4 1.5 1.7 2.0
DL.		1846	PEARS	 6.6	0,7	6.79	~*	-	0.90	0.95	1.03	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1	•	0.03	45		1	3		7	•	•	1	3	3	3	1	,	l.
	•	0.05				1	1	. A	·	•	- }	- 1	1	- 3	2	1	1
10	TAL	0.15	**		1	•	•	15	11	14	17	15	Ā	Ť	•	•	-1

	-	0.000	2004									-	Ten 910	-	m 164.								
ě	Lees	1100	PRANS	•	. 3 0	. 5	0.6	0.7	0.75	0.01	3.05	0.70	6.95	1.00	1.10	1.15	1.30	1-55	1.3	1.4	1.5 1	.7 2.	•
		1100-1 (100-1 5-10 5-00 5-00 5-00	210 316 303 308 16								ı	1	100 127 01 77	101	10	1	1						
		6.45 6.46 17.44	2001							ı	7	• 5	949 31 13	1111	*	:		ı					
		4.33 19.74 9.40	471 051 10								1	76 11	181 214	255	33 10 35	i		1					
		11.77	13 132 449									19	49	225									
		14-91	905 223								•		274 391 90 71	373 120	**	11	•						
		16.99 16.33 7.51 10.70	137 201 336									; 12	141 190 97	147	:	1							
		3.09 3.04	194 126 367								19	15	30 104 3277	100	2	27							

#### TABLE CID DISTRIBUTION OF SAMPT LOAD FACTORS FOR THE TAKE-NOT OWN MISSION PARSE FOR DATA ACCURAGE OF CLARK AS, PHILIPPINES

Cu-Fu	PLOCE	13144							i.		for 911	TRIBUTE	. 161							
	TEME	PEARS	0.0 5			0.7	0.75	4.00	1.85	0.90	0.95	1.05	1.10	1.15	1.20	1.29	1-8	1.4	1.9 1.7 2.0	
MT OC M		rema	4.4	., ,,,			4.15	****						,						•
	(mtm.)																			
1 4	0.57	341					7		•		126	134	44	29			2		1	
: :	4.11	1688				17	98	70	143	)36 360	136	136	917 179	130	15	35 17	10		_	
	70.55				•	• • • • • • • • • • • • • • • • • • • •	23 15	70	147			122		• • • • •	- 33	- 22		•		
	2.38	1072				•	13	33		143	173	276				67	•			
2 9	6.67	900 629 237				1	,	•	10	69	193	170	69	10						
	0.74	440				Ă		10	40	111	130	141	199	•	29	•				
3 16	9014	-				•	•													
3 7	8.47	2 2 2							•		114	69								
	1.45	1499		1		16	17	34 36 15	85	171	361	343	276 199 105	130	10	33	11		L	
	1.25	1150		-			11	90	AR	111	200	304	100	4.1	9.0	3.5	13		i	
					•		• • •		**	131				27			••	-	•	
	U. 72	717					,		70		515	204		27	17	•				
7 7	6.57	672			2			15	-	13	100	144	93	30	21		•	a.		
	0.43	331			_			10	26	19	120	194	79	27				-		
		204																		
TOTAL	13.50	9429			11	67	162	294	199	1352	2276	2513	1494	391	240	129	63		•	

#### TABLE CITY DESTRIBUTION OF SAME LOSS FACTORS FOR THE LAMBING ROLL-OUT PESSION FRASE FOR SAFE ACQUIROS AT CLARE 46, PHILIPPINE

CU-FE	BARCE	TOTAL.								ren 915	-	ON 161							
ML OCH	1100	PEARS	8.0 6.3 6.5		0. T	0. 75	6.00	3, 05	9.90	0.95	1.05	1.10	1.19	1.20	1.25	1.3	1.4	1.5 1.7 7.0	
	(40.)														_	_			
1 2	1.20	948					- 11		100	257	270	107	•••	- 10		•			
1 1	1.70	1002		2	17	7	11	99	104	203	300	270	**	36	15	21			
1 4	3.34	1906			3	18	29	99	724	487	924	190	24	55	•	•			
	0.95	374						32	65	64	87	07	34		1	l l			
	L. 70	864				ı			44	305		120	150	40	•	•			
8 8	1.43	1001		ı	•	17	29	48	140	305	175		45	50	19	•			
	1.30	805			ı		31	40	139	240	100	191	61	14	7	•			
3 4	4.20	1900		1	16	36	95	130	440	746	905		150	94	50	10		•	
• •	3.00	1977		_			19	97	100	192	317	170	••	7	3		ı		
	2.12	1007	•	ı	19	19	77	100					72	- 21	•	•	•	•	
701	1.00	1000		_			. 11	- 67	199	379	496	144		N	•				
TOTAL	22.57	14579	•	,	45	110	762	729	1400	2070	4095	5343	709	510	111	63	4.0		

CO-FW	OLDER.	TOTAL.							SAD FAC	TOR 9131	PRI BAT D	101						
04.00E	1906	PEARS	0.0 0.3 0.5	0.6	6, 7	0.75	6.00		0.00		1.00	1.10	1.15	1.30	1.25	1.9	1.4	1.5 1.7 2.0
1 2	6,85	54				•	•				•		•		•		2	
1 1	6.15	111				•		10	13	19	11	12			•	Š	ž	1
1 4	0.19	- 90				•	•	•	19	•	10	16		10	3		_	-
8 8	6.13 6.03 6.10	33					ı	•	11					116	ž	_		
2 4	0.10	127		3	•	•	•	•	11	19	11	13	10	11	10			
2 5	0.00		i		3	3	1		11		11	1	- 1		- 1		ž	
1 1	0-10	107					10	14	11	30	10	19	11	Ť			-	
3 4	0.20	100			11	ě	•	11	15	10	10	13	14	14	11	19		A.
		95					3	11		10	10	1.0	41	7	- 1		-	•
	0.10	114	L.		•	9	Ĭ	7	H	14	1	13	14	12	- 4	•		
7 4	0.10	94	-			•	•		•	19	Ť	13	1	- 4	Ă	ă	i	
TOTAL	1.10	1034	•	•	44	40	6L	100	110	189	119	136	110	94	90	98	13	

CU-PU BLBCE 1878.
BLGE 1382 PERS 6.0 6.3 6.5 6.6 6.7 6.75 6.00
1 6 6.42 199
3 6 7.29 116
19764 19.09 279 

MA 8187818047180 161 | 0.99 | 1.89 | 1.10 | 1.19 | 1.20 | 1.25 | 1.5 | 1.4 | 1.7 | 1.7 | 4.0

DISTRIBUTION OF COMMISSION COMMISSIONS COMMISSIONS COMMISSION COMM

estrateuries A their less retres LAMPING POLY THE LAMPING POLY THE LAMPING APPLICATION OF

CD-FU BLEER BLEER TJ MS (MGD.) 3 6 0.00 107AL 0.01 7074L PEARS 0.0 0.3 0.5 0.6

#### 

CD-70	BOBLE	TUTAL PEARS						L	DAD PAG	TCR 011	TRIOVIS	M (6)					
a.e.	19 ME	PEARS	8.6 6.1 6.5	8.6	e. 7	0.75	0.00	05	0.90	8. 99	1 - 96	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.6
	100-1							-50					_				
: :	90.11	DACI						19	199	2191 2970 2020	2000	133			_		
: :	27-47	0114			•	•	•		200	2410	4461	396	39	10	•		
	10.21	1204						10		700	720	245	17	2			
	29.94	974							11	200							
TYTAL	294.93	24077						93	-	1473	12000	14					
14100		*****			•	•			509	1077	***	953			•		

TABLE Cash
DISTRIBUTION OF SACURD (OND PACTORS
FOR THE
TAKE-FF NOW BISSION PHADE
FOR DATA ACQUINED AT
CLINTON-SHERROW APS, SELANDRA

CU-P4	•	BLOCK.	TOTAL						L		ren 915	-	ON 161					
14.004		1100	PEARS	9 3.3 9.5	0.4	0. T	0.75	0.00	- PT	0.76	0.05	1.05	1.10	1.15	1	1.25	1.3	1.4 1.3 1.7 2.0
		(1000.)																
1 1		1.70	900						10		303	301	1.99	50	4			
1 4	•	2.42	1911				ı		•		900	100	191	19	7			
1 1		2.30	1477					2	•	94	989	500	270	32				
1 0	•	0.77	991 387				1		•	43	229	212	99	7	1			
1.7	•	0.47	227									313	35	ı			_	
TOTAL		0. 13	4447			5		11	30	362	1003	1900	642	79	17		1	

#### TABLE CANA OISTRIBUTION OF EMANN LOAN PACTICES FOR THE LAMPING BALL-BUT RESSEN PHASE ONE DATA ACQUISED AT CLINTON-SHERAGE AFO, WILLMOND

CU-PU	04.0CE	107AL							-	TCG 015	141041	- 141					
<b>SLOCE</b>	73 mg	PRASS	0.2 0.3 0.5	8.4	3. 7	0.75	0. 80	~85	0.96	0.95	1.05	1.10	1.15	1.20	1.25	1.9	1.4 1.5 1.7 2.6
	(m) u. )																
1 1	2.00	1700					3	34	199	940	417	176	40	1			
1 4	9.64	31 66					13	72	304	1090	1059	402	104	21	1		
1 9	5.53	4000					32	146	924	1895	1961	579	140	30	3	•	
1 .	4.70	1367					21	44	171	270	245	162	77	93	12		
1 7	1.07	973				. 2		14	76	505	105	63	1		2		
TUTAL	19.40	10000				50		387	1367	3107	3307	1302		97	26		

TABLE CIPS

OTSTRIGUTION OF SAME LOSS FACTORS

FOR THE

TOUCH-AMB-OS BOLL HISSION PHASE

FOR BAYA ACQUISED AT

CLITTON-LUCANA AFG, SELANDA

CI	-	<b>PLOCE</b>	1004									7910471							
		1100	PEARS		6.6	., 7	0.79	0.00	in 01	0. Tú	8.95	1.05	1.10	1.15	1.20	1.25	1.9	1.4	1.5 1.7 2.0
		7.90	5240				29	119	344	053	1225	1279	629	414	114	84	•		
- 1		9.24	70/4	- 2	•	10	4	202	494	1125	1000	1777	1347	642	220	34 73	νĭ	•	
ì		0.49	7947	_	•	10	49	197	411	957	1007	1001	1227	495	170	71	23	•	
i		1.00	1492		i i		10	10	94	210	494	400	393	144	47	10	1		
1		18.15	10015				13	54	325	1346	3034	3462	1001	452	**	37		•	•
. !	•	12.00	10001			•	19	22	376	1400	3100	3300	1700	828	117	23	. !		
		13-79	12000	ı		•	10	•	300	1904	1754	4145	5133	505	181	27	•		
	10	43-54	201		1.0	44	144	441	2200	71	10415	LADOS	9203	11.05	902	261	87	14	

#### TABLE CIDA PISTELLATION OF GARAGE LONG FACTORS OF THE LAMBIGS INVEST HISSIGN PASS FOR DOTA MESSIGN PASS CLIVING STREET AFG. BELLANDING

<b>OLOCA</b>	-																	
	PEARS	0.0 (.1 1.5	-	6.7	0.75		·- #	0.90	0.91	1.05	1.13	1.19	1.20	1.29	L.D	1.4	1.5	1.7 2.0
	1201		į		.:	**	.2	134	100	171	132	70	**	13	15	;	;	
1:55	1300	1	•		29	37	14	197	72	132	171	19	95	24	14	š	•	-
1.00			į	10	10	39	97	214	200		744	114	5	10	11	i	1	1
2.00	10		19	34		214	191	1100	. 11	49	270		110			2	1	
	1.96 0.36 1.71 1.60	7906 Print (180n.) 1.30 070 1.30 1300 0.30 1377 1.71 1390 1.40 1440 1.40 1440	Title   Prints   0.0 (.1 0.5 (120.)   1.20   170   1.20   170   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20   1.20	Time														



4

CO-PU	DLOCK	TOTAL						u	MO PACE	M 9191	TATOUT !!	III (6)					1.4 1.5 1.7 2.0
or cen	Tank	PRAKS	0.0 0.1 0.5	0.4	0.7	0.75	e. 80		0,90	6.90	1.00	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
TOTAL	1:32	142							;	12	97 97	1					•

CU-FU OLOCK	BLOCK	TOTAL						Le	-	-	TO TOUT H	m 163						
or ocu	190E (100h.)	PEARS	0.0 0.3 0.5	0.4	0.7	0.13	6.00		0.90	0.95	1.05	1-10	1-15	1.30	1.25	1.3	1.4 1.5 1.7 2	.0
1 9	0.30	199						1	19	77	-01	19	2					
TOTAL	0.29	100						ı	19	77	01	19	2					

CO-FU GLOCK	PLOCE TIME	PEAKS	0.0 6.3 6.5	0.4	0.7	0.73	0.00		0. W	1.95	TRI BUT 10	m (6)	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
TOTAL	9.54 9.54	303				1	. 1	;	34	182	110	10	3	:		1	

CU-FU	BLUCK	TOTAL						u	040 FAS	M 015	TAI DUT I	CH (6)				
of opti	(100.)	Penas		0-6	<b>0.</b> T	0.B	F-00	-	0.90	6.95	1.65	1.10	L-15	1.20	1-52 1-3	1.4 1.5 1.7 2.0
1 3	0.05	26	1		3	•	1	1	1	1		•	2	3.	L I	1
TOTAL.	A-86	20	•			•	•	•	2			<u> </u>				

226---

CH-PH	BLBCK	TOTAL									m (6)					
M OCK	1 1000 - 1	PEARS	0.0 0.1 0.5	0.0	6.7 0.7f	0.00	9. 👀	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 7	11.09	25						2	•	14						
	13.44	119	1			1	2	1		.3	2	3				
	5.23	40	-			l.	2	_	33	79						
TOTAL	35.37	200	1			5	•	3	89	99	3	•				

#### TABLE C256 DISTRIBUTION OF SNOWN LOAD FACTORS FOR THE TAKE-OFF NUM MISSION PHASE FOR BATA ACQUIRED AT BANANS AS, VIETHAN

	DLOCK	TO! AL							DAD FAC	TOR DEST	TRIOUT I	DN (6)					
BLOCK	TIME	PEARS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	J. 85	0.70	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MH 4.)																
1 7	0.50	212				1	7	22	68	15	71	23	5				
4 6	0.53	422	. 1				5		2.7	133	147	76	25	2			1
TOTAL	1.0.	634	L			1	•	30	95	140	210	99	30	2			1

## TABLE CASE DISTRIBUTION OF CORUMN LOAD FACTORS FOR THE LAMBING ROLL-OUT MISSION PHASE FOR SATA ACQUINED AT SAMMIS AG, VIETMAN

CU-FU SLPCK	OLOCK TIME (Min.)	TOTAL PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0, 05	0. 70	ron 0151 0.95			1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.	. •
3 6 TOTAL	0.66 1.00 1.74	301 007 1100			1	5 2 7	21 27	14 99 73	61 186 247	113 231 344	119 187 306	43 77 120	13 29 42	3	1	1 6 7	1 1	

#### TABLE C254 TRIDUTION OF CHOCKED LOAD FACTORS FOR THE LAMBING IMPACT RESSION PHASE FOR DATA ACQUIRGO AT DANAMS AS, VIETNAM

CH-FW	BLOCK	TOTAL									razout s								
RLOCK	TPME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	6.00	0, 05	0.90	0.93	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7 8.0
	( MBM . )																		
5 8	0.05	51			1	1		4	•	15	17	•	1						
5 6	0.05	23							1	1		•	2	1	2	7	1	2	
TOTAL	0.10	74			1	1		•	10	13	17	10	3	1	2	7	1	2	

#### TABLE CHA DISTRIBUTION OF GROUP LAND PACTORS TART MINERS

ER-C		PLOCE Fine (mpn.)	TOTAL PEARS	0.0 0.3 0.5	•.•	0.7	0.75	0.00	 0. 90 0. 90	100 9151 0.75	1.05	1.10	1.15	1.20	1.25	1.7	1.4 1.5 1.7	<b>2.</b> n
1	3	3.02	50							3	25							
ı	4	8.49	576						29	295	247							
	9	0.14	832						3	370	410	35						
	•	9.43	301						8	140	200	20						
TOT	M.	29.00	1019						37	817	090	89	5					

#### TABLE GIGA DISTRIBUTION OF GROUND LOAD FACTORS

#### TAKE-OFF RUN RISSION PHASE FOR DATA ACQUIRED AT

CW-	PW	BLOCK	TOTAL							140 TAC	TOR 9151	RIBUTI	(3)					
ML CI	EK	TIME	PEAKS	0.0 0.3 0.5	0.6	9.7	0.75	0.00	0.00	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
		( MBM. )										24						
ı	•	0.31	700						2	35	64	50	31	•	2	1		
l l	•	0.37	156						3	•	44	99	21	1				
1	•	0.40	243				1	•	•	39	84	62	39	22	•	ı		
101	H	1.00	610				Ĭ	•	13	75	193	200	VI.	35	•	2		

#### TABLE CARE DISTRIBUTION OF ORDINO LOAD FACTORS FOR THE LANDING ROLL-GUT MISSION PHASE

POR BATA ACQUIRGO AT DOBBINS APR/MAS, BEORGIA

CM-	PW	STOCK	TOTAL							DAD FACT		TRIOUT I	DR (6)					
DL C	CK	TIME	PEARS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.5
		( MGM. )																
1	3	0.55	500						3	14	79	134	29	3				
1	•	0.50	361				1			42	149	110	44		1	ı	ı	
ı	6	0.57	421				1	•	24	64	80	135	77	15	2	3		
TOT	AL	1.50	1042				2	6	35	120	304	381	135	32	3	•	1	

#### TABLE CIGA DISTRIBUTION OF GROUND LONG FACTORS FOR THE

#### LAMBING IMPACT RESSION PHAS POR DATA ADDITION AT

	BLOCK	TOTAL						L	GAD FAC	TOR DIS	TRIBUTE	M (6)					
of ock	TIME	PEARS	40 63 65	0.4	0.7	0.73	0.00	4.00	0.90	0.95	1.05	1.10	1.15	1.20	1-53	1.3	1.4 1.5 1.7 7.0
	(1994.)																
1 3	0.05	53								13	13		•				
1 3	0.05	60					1	3	13		10	11		3			
1 4	0.05	64					2	11	1	12	•		Ī	6	3	1	
TOTAL	0.15	177					3	17	27	37	34	27	14	•	3	Ĺ	

CU-PU	PLOCE	TOTAL								STRIGHT							
<b>OLOGE</b>	TORR	PROES	 <b>1.5 1.</b> 6	0.7	<b>6.73</b>	<b></b>		•••	6.93	1.05	1.10	1.19	1.20	1.25	1.1	1.4 1.3 1.1	7 2.0
	(100, )																
1 4	1.20	140							. 30	*	•						
1 0	4.00								3	ı							
1 9	9.03	13							13								
5 0	0.47	•															
5 .	0.93	•															
3 4	9, 63 9, 47 9, 93 7, 90 9, 75 7, 91	41 102 260							55	19 99 130							
3 3	0.75	165					1	17	25	33	3	1					
3 9	7.91	500							150	130	•						
4 3	3-62 3-57																
1 4 1 6 1 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3.97	626						10	369	313	32						
TOTAL	60.14	1107					ı	29	494	614	40	3					

## TABLE CITY DISTRIBUTION OF COMMON LOAD PACTORS FOR THE TAKE-OFF MAN DISSION PHASE FOR DATA SEQUINGS AT CON PRANTS AND, SAMERER, THAILAND

		DLOCK	TOTAL														
BL C	KR	TIME (MIN.)	PEAKS	0.0 0.3 0.5	0.6 0.7	0, 73	6.00	0.85	9.90	0.95	1.05	1.10	1.13	1.50	1.25	1.3	1.4 1.5 1.7 7.0
1		0.49	444		2		19	30	69	99	115	64	39	17	5	2	
Ĭ	•	1.00	984 876		Ī	. 3	19	30 61	131	256	113	100	39	17	•	ă	
2		0.53	400					3	50	167	161	94	3				
. 3		0.57	410		11	20	30	52	105	70	105	90	70	34	23	•	1
101	TAL	2.67	2440		10		72	144	223	205	626	344	149	73	30	15	ī

TABLE CITC
DISTRIBUTION OF SAMOND LOAD FACTORS
FOR THE
LAMBING BES.-DUT WISSION FMASE
FOR GATA ACQUISED AT
DON MEANS A/D, GAMONER, THAILAND

CH-FH	BLOCK	TOTAL							L	DAD FAC	ran 013	RIBUTI	ON (6)								
of och	TIME	PEARS	 	4.5	0.6	6. 7	0.73	0.00	0. 05	0.90	0.95	1.05	1.10	1.15	1.29	1.25	1.3	1.4	1.5	1.7 4.0	1
	(明年。)	0.047							100		0.00	100									
1 4	0.49	505					ı	7	35	33	135	55	113	72	25	•		ı			
3 4	0.57	339							3	37	127	194	35								
3 3	0.47	777	3	•	•	13	19	54	64	135	50	126	110	49	47		15	•	•	ı	
• •	0.44	250							9	41	103	-	16	1	•						
6 7	0.49	705			2	•	16	39	-	84	126	149	84	11	30	10	13	•			
TOTAL	3.06	2004	3	•	ě	41	14	105	169	991	941	574	157	553	106	40	50	10	3	1	

CH-E		PEAKS	0.0	6.3 (	.,	0.6	0,7	0.75	0.00		9.70	0.95	1.05	(6) L. 10	1.13	1.20	1.25	1.3	1.4	1.5 l	.7 3.6
3	0.05 0.05	**				2	1	1	1	:	, 5	:	;	7	•	ï	1	•	1		
TOTAL	0.05 0.05 0.25	92 42 290	1	1	•	•	3	;	12	i		10	10	55	1	19		,	i	?	?

#### PESTREMPTON OF COMMENT LONG FACTOR FOR THE TARE RESIDENT PHASE FOR SATE ACTUATION AT

Cu-Pu	Of OCA	TOTAL							949 FAC		THIST						
of och	11 ME (100 %)	PFARS	0.0 1.3 0.5	•••	0.7	4.15	•.••		5.46	0.95	1.05	1.10	1.19	1.24	1.77	1.3	1.4 1.5 1.7 20
1 5	73.93	1264					1	3	- 10	305	682	20	•				
1 3	754.99	94.04			1	•	10	48	303	31%	3376	195	59	10		3	
1 4	311.09	8761			i	5		20	261	3497	4700	299	30	3	i		
1.5	111.50	10515					•	33	326	3004	3673	414	64	•			
1 6	705.40	34281				1	•	117	1169	14234	19204	1405	110	73	•	2	1
1 1	382.90	1 1794					,	25	481	5567	7807	591	45			_	•
1 .	90.07	1515						ī	461	462	491	20	1				
1 10	30.20	2095						ì	74	749	1101	40	- 4				
3 3	13.57	87						_		34	44		_				
2 4	9.77	•								25	34		1				
2 1	15.46	465							•	510	294	•	•			•	
2 4	7.44	754							11	200	432	11	1				
2 9	10.09	151							- 1	90	26	7	1				
2 10	0. 34	0							•	1		•					
3 2	17.04	51								2.0	55						
3 3	18.35	151								33	• 7	•					
3 4	4.39	34							•	17	19	-					
3 6	14.44	296								142	194						
1 1	29.72	264							,	99	153	10					
3 10	16.25	-11							-	ii	•••						
4 3	14.82	149								41	101	3	1				
•	10.99	555						2	23	99	95	•	•				
	54.90	445						_	7	174	275	•					
4 13	14.99	96								91	39	-					
> •	85.42	1132							34	450	418	34	>				
5 10	28.26	455						1	ii	531	500		•				
TOTAL	2445.07	00349			2	7	31	521	2706	34505	47130	1500	320	40	3	•	ı

#### TABLE CION DISTRIBUTION OF GROUND LOAD FACTORS FOR THE FARE-OFF RUM HISSION PHASE FOR DATA ACQUIRED AT NOTER AFD, DELAMARE

Cu-Fu	OL OCE	TOTAL								0	DAD FAC	TOR 011	TRIBUTI	ON 161								
DEFCE	TERE	PEARS	3.0	2.3	0.5	0.6	0.7	0.75	0.80	3.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.1	1.4	1.5	1.7 2.	)
	(mtm.)	***						_			-41			.70.		1.	1					
1 3	5.42	3153				,	•	•	5.0	150	314	953	1090	401	101	78		•				
1 4	. 90	5144					•	3	53	154	54 7	1705	1 090	647	182	79	•	2				
1 5	9.41	4455				- 1	7	•	37	194	752	5563	5444	909	190	35	1	•				
1 4	24.73	14030		ı		3	13	60	116	401	1445	4844	2550	2440	668	176	57	3.2	- 4	- 1		
1 7	10.70	6768				2	10	. 15	79	271	854	1940	5502	969	173	19	5.5	15	4			
1 .	1.43	1332						•	9	39	150	400	443	194	74							
1 14	2.3^	1939		2		1	7	15	30	116	531	448	444	153	164	57	25		•	2	2	
7 3	0.34	231				-		1			1	79	115	27	1	•	•	_		_	77	
2 7	0.19	718						i	•	27	14	235	555	72	15	10	1					
	0.41	417						ĭ	•	78	39	161	126	17	47	ii						
· , •	1.13	211									સં	91	90	13	- ';	• • •		•				
1 6	0.43	274					•	•	•		25	97	100	• • • • • • • • • • • • • • • • • • • •								
		627													•							
1 10	0.64	421								10	45	311	257	**		•						
								•		•	••	100	166	40	•			•				
	0.47	563					_	_			56	66	94	24	•				_			
	3.04	5550			Z		•	•	13	41	597	451	705	409	45	53	15	•	Z			
4 16	0.5	744						1			50	98	45	34	•	•						
	4.80	3175				5	,		24	76	950	934	1104	150	84	52	•	•	ı			
> 10	0.70	640					l.	•	7	34	150	174	504	83	14			2				
PITAL	BO. TS	30916		•	•	13	72	1 37	404	1405	5844	13410	17178	7 164	5098	499	144	71	10	)	3	

#### TABLE CIBE DISTRIBUTION OF SNOWN LINAD FACTORS POR THE LANDING ROLL-OUT MISSION PHASE FOR DATA ACQUISED AT DOVER APB, DELAMARE

							-													
CH-FH	BLOCK	TOTAL						L	140 FAC	TOR 911	TRIBUTI	CH (6)								
PLOCE	1 806	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.54	1.3	1.4	1.5	1.7 2.0	
1 2	4.95	2003	-	1			15	75	260	641	648	315	- 99	18		5	ı			
1 ?	32.73	13070		•	50	38 67	101	427	1376	3093	44.30	1645	350	130	60	43	13	?	1	
	24.39	20120	•	20	34 77	134	303	413	2162	3770	4314	2045	1004	531	104	132	14	23		
1 6	23.40	10000	i	•	40	100	324	970	2470	5009	3148	2600	1009	411	170	107	ii	1	•	
1 7	1.15	716			5	5	•	53	42	170	540	100	33	53	•					
	1.20	403 927			3		19	37	34	101	140	170	- ri	24		- 1				
3 2	1.30	393			-	•	ĭ	13	42	196	103	35	' '	- 7	•	•	•			
• • •	0.74	196		1	,	ı		7	51	40	30	37	14	1	•	ļ				
	1.04	149					,	15	75	164	500	53	26							
TOTAL	121.37	76071	10	35	101	340	1135	1007	1964	51 000	53530	10430	3626	1530	536	334	83	15	,	

#### TABLE CIM DISTRIBUTION OF CHOOM LOAD PACTOR FOR THE TOUCH-MID-OD ROLL RISSION PHASE FOR DATA ACQUISED AT

CW-FW	BLOCK	TOTAL							U		TOR 915	-	(4)						
BL GCR	6 Black	PEARS	0.0 0.3 (	. 5		0.7	0.75	0.00	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.53	1.3	1.4	1.5 1.7 2.0
	(mpn.)																		
1 3	0.49	365						•	55	30	110	70	83	50		2			
1 4	4.11	3503		1		91	30	119	274	493	484	575	3 30	310	140	42	74	10	•
1 3	4.37	3347		3	•	34	31	120	263	453	687	642	345	316	130	-	17	•	1
1 4	4.01	3907	1	-	2	34	95	119	242	337	720	794	440	533	153	45	13	,	t
2 3	9.42	447				3	15	53	40	71	48	54	94	40	14	11	•	ı	
TOTAL	13.17	10001	1	4	10	193	179	305	049	1000	2205	2073	1970	927	461	100	57	10	•

#### TABLE CION DISTRIBUTION OF EMBRIO LONG FACTOR FOR THE LANGING INDACT RESSION PHASE FOR DATA REQUIRED AT

CW-FW	BLOCK	TOTAL								L	040 F4C	tra DIS	TRIBUTIO	161								
MOCE	12MF	PFARS	0.0	c. 3	4.5	•.•	0. T	0.75	0.00	0.05	0.90	0.03	1.05	1.10	1.15	1.70	1-53	1.1	1.4	1.5	1.7	
1.5	0,40	559					2	1	3	19	33	41	42	50	15	•	•	-	ı			
1 1	1.64	1003				•	10	30	51	95	144	109	147	190	133	11	37	42	17	9	•	
1 4	3.10	2413	•		•	14	3.2	50	111	550	343	451	357	130	533	93	60		27	12		
1 5	2.90	2471				•	44	49	185	224	344	203	135	355	155	15)	71	79	31	15		_
1 .	2.44	5100			•	5	34	47	99	170	294	462	307	299	176	115	39	50	14	9	3	
1 7	0.05	35					2	ı	•	1	•		•	1	3		5	3				
> 1	0. 20	165						1	•	10	5.0	44	30	20	5	•		•				
5 4	0.10	36					ı	5	t	•	73	5>	10	11	11	•		•	ı			
3 5	0.10	62					ı	1	•			•	3	•	•	5		ı				
, ,	9.05	49								10	1		•	•	•	•	2					
1 4	0.35	16						ı			7	13		•		3		ı				
• 3	0.10	79						1	•		- 11	15	19	•		3	5	•				
PATAL	11.21	0035	•	5	20	13	140	504	410	700	1521	1321	1500	1534	795	410	548	511	40	44	1.4	è

	BLOCK	TOTAL						em tac	1810 MP	RINTI	III (6)					
OF OCH	1996	PEARS	 	0.7	0.75	0.00	~.	0.90	0.99	1.05	1.10	1.13	1.20	1.23	1.3	1.4 1.5 1.7 7.0
	(mm.)															
1 )	3.31	36							F.	30	•					
	7.09	•							3							
TOTAL	12.44	65							13	41	•					

TABLE COMDISTRIBUTION OF GROUPD LOAD FACTORS
FOR THE
TAKE-OFF RIM RISSION PHASE
FOR BATA ACQUIRED AT
ENHAGE AFB, CALIFORNIA

CM-LM	MOCR	MINI						L	DAD FAC	TOR 0151	-	DM (G)					
PLOCE	TIME [MIN.]	PEARS	•• •• 3 •• 3	0.4	0.7	0.75	0.00	4. 85	0.90	0.93	1.05	1.10	1-12	1.50	1.25	1.3	1.4 1.5 1.7 2.0
1.3	0.23									37	47	•	ı				
PATEL	0.34	19								37	47	•	1				

# TABLE CIRC DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LAMBING ROLL-OUT RESSION PHASE FOR BATA ACQUIRED AT EGGRADS AFO, CALIFORNIA

CW-FW		TOTAL							FOR 0151							
M OCK	1 PME	"EARS	0.0 0.3 0.5	 0. 7	0.75	0.00	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.1	1.4 1.5 1.7 2.0
	(47.)															
4 3	0.51	540			1	3	•	31	93					ı		
TOTAL	0.51	500			1	•	•	11	73	73	34	13		ı		

#### DISTRIBUTION OF CHOICE LOAD FACTORS FOR THE LANDING IMPORT RESSION PHASE FOR DATA ACCUSINGS AT EDUCADS AFR, CALIFORNIA

CM-LM	BLOCK	TITE AL								100 DIS1							
BL OCK	1.564	SHARS	0.0 0.1 0.5	9.6	0. 7	0.75	0. 10	3. 85	0.70	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	( mtw.)																
• 3	0.0	33						•	3	5	11	7	2	2			
JATET	0.01	15					2	•	Š	2	11	7	ž	ž			
							_			•		•	-	•			

#### TABLE Cybs DESTRIBUTION OF SAMES LONG FACTORS FOR THE TABLE SESSION PRACE FOR SAME ACCURAGE AT

							2	MH 88	110	00 LT							
Cu-Fu GLCCI	NACE TIME	POPAL PONES		9.4	6.7	9.79	6.00			TOR. 041	1.05	- (6) 1-10	1.45	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1:	7.07 7.07	391							14	200	142	13					
11	17.01	107						•	- 7	7	100						
i	1. Pa	71								3	***						
11	11.77									7	•						
	7.64	134							:	11	10						
	25.11 25.01	1004							ni	430	100	35	;				
	14.29	130							•	.;	11 00 00 00 00 00 00 00 00 00 00 00 00 0	3					
3 10	33.26	204									114	\$					
	10.30	130							•	21 00 17 15 15 15 15 15 15 15 15 15 15 15 15 15	"	•	ı				
	43.43	2010						-	70		.12	301	84	25	3	3	-1
; ;	22.74	20 14								;	12						
	11.54	111							747	14	**						
	39.43 8.44	304					-	V 1401	,	ıíī	165	•					
TOTAL	494,19	3362					•	*	145	7050	2044	170	••	52	,	,	1
						<b>0</b> 137	TARE-	OFF NU B DATA	English R THE N MISSI ACQUIN F AFF,	en Phase to at Maska	ľ						
DLOCK CW-PW	TIME (MIN.)	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	6.00	~ m	0. TO	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
! :	1.44	846			1	1		3	26	230	201	95 34	;	ı	ı		
1 10	0.61 0.50	300			1			ıi	7	194	100	Q N		1	1		
10	1.67	994			•	ī	ŀ	ų	113	104	297	100	į	;	Ł	Ł	1
3 9	1.56	660					ı	4	32	174	330	142	2	2		t	
3 10	0.45	1023			_	11	24	*	198	574	915	177	113	29	,		
3 10	9.74	417			5	•	35	• 1	274	191	104	336	100	44	10	7	
TOTAL	19.43	11300	ì	t	•	55 7	47	550	1065	1090	1205	1323	270	*	1	11	ı i

#### TABLE C30: PISTRIBUTION OF ENDING LOAD FACTOR! FOR THE LAWFING BOLL-OUT PISSION PHASE FOR DATA ACQUIRED AT

									61	MEHRORA	AFA,	AL ASEA							
CIP	-	04.0CE	TOTAL							L.	-	216 P3	TRI OUT 1	P1 161					
<b>M</b> (		1100	PPARS	 5.3	. 5	9.6	3. 7	U. 75	0.00		0.00		1.05		1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1	,	2.14	491									335	413	21					
i.	•	4.34	2004					•	•	44	717	771	763	211	76	10	•	L	
1	3	1.47	514								13	85	113	•				_	
•	•	1.57	307									30	30		•	1	ı		
•	•	2.34	1150							4	120	155	140	150	**	15	• ;		
- 5	-	1.22	1120					•		7		471	500	77	12	''	•	,	
•	3	4.51	1 100							13	79	519	620	110	19	į	,	i	
•	•	1.34							_		17	52	45	7.0					
•	;	1.92	963							5.8	93	303	396	151	17	•			
	í	2.45	4.0						- 1	:	47	153	501	137	**	•	,		
3	•	0.94	331						•	•	- 3	120	100	10	1			•	
•	•	0.49	513								71	64	131	47	•	ī	1		
101	I AL	31.53	9917					1	20	146	441	1501	4566	925	533	30	15	•	

#### TABLE COM DISTRIBUTION OF ENGINE LOAD PACTORS FOR THE LAMBUR IMPACT RESSION PHASE FOR BATA ACQUIRED AT

							•			ef 6244								
CU-FU	BLOCK	MIOT								700 OIS	-	On 161						
SF SC II	1 100	PEARS	8.0 C.3 0.5		0.7	0.75			0, 90		1.05		1.19	1.20	1.25	1.3	1.4	1.5 1.7 7.0
	(Rin.)																	
1 3	0.13	194			1	3		7	16	19	19	13	7		•	1	1	
1 4	0. 10	194			3	5	•	20	16	30	10	53	13	•		•	i	
1 3	0.25	13							•	7	7	•	1	1				
	0.10								1	10	•	•	3					
		101				1	1	•	15	52	24	13	,	•	l			
	0.13	150		,	3		•	1	75 75 01 83	25 25 27 27	70 20 20 21	13 20 20	•	•	•	1		1
	6.25	100					•	•	78	39	34	50	15		1	3		
• •	0.25	194						•	35	39	35	55	•	10	ı	ı		
•	0.01	20						ı	•		•	•		ı				
, ,	0-17	100			1	3	8	3	3.6	*	81	10	•	•	•	•		1
	0.15	70					1	7	76 74 11	•	•	10	•	•	•	•		
3 3	0. 10	53			l.				11	17	11	5	•		3			
• •	9.04	34				5		•	•	•	3	•	•	3		•		
	0.05	33						1		15		•	3					
TOTAL	1.00	1504		3	•	27	55	73	196	273	520	145	••	94	53	51	•	5

#### PART OF SAME AND PARTIES.

CW-FW	MOCK	701AL								040 PAC									
BY OCH	1106	PEARS	 0,3	0.3	0.6	0.7	0.75	0.00	4.00	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0	
	t man. 1											14	W.						
1 4	9.44	800								11	911	427	31						
TOTAL	9.44	800								11	211	427	51						

## TABLE CITY DISTRIBUTION OF ENGINE LOAD FACTORS FOR THE TAKE-OFF BUT MISSION PHASE FOR DATA ACQUIRGO AT FORDERS APO, BANSAS

CM-FM	DL OCK	TOTAL							DAD FAC	TOR 015							
HF UCK	1906	PEARS	0.0 0.3 0.4	0.4	0.7	0.75	0.80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 4	0.72	441		ı			3	11	57	126	127	100	10	3	5	L	
INTAL	0.72	441		1				11	57	124	127	1 00	10	3	2	1	

#### DISTRIBUTION OF SANIMO LINAD FACTORS FOR THE LAMBIUS ROLL-BUT HISSION PHASE FOR DATA ACQUIRED AT FORDES APO, HAMSAS

Cu-fu	MOCK	TOTAL					L	BAD FACT	TIM 0151	RIBUTIO	(8) #0					
BL OCK	TIME	PEARS	0.0 0.3 3.5	 0.7	0.73	0.00	0.01	0.90	0.95	1.05	1.10	1.19	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(Mh.)															
1 4	2.1	1350		1	3	•	LO	194	442	430	197	25		•		
TOTAL	2.10	1350		ı	3	•	10	184	445	450	197	?5	•	•		

#### TABLE COID DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TOUCH-ANN-BG ROLL HISSIOM PHASE FOR DATA ACQUIRED AT FORSES APB. RANSAS

CU-FU	BLBCK	TUTAL							L	DAD FAC	TOR DES	TRIBUTI	CM (6)								
DL OCK	2 Stat.	PEARS	0.0 0.	3 0.5	0.6	0.7	0.75	0.00	6. 05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1.	0.5	
	( MN N . )																				
1 2	0.25	141						•	13	54	17	53	29	14		2					
1 3	0.27	247				ı		3	15	30	64	25	57	50	•	2	l				
1 4	1.39	1139		ı		11	27	72	91	180	179	147	199	100	79	33	14	4			
1 5	0.34	307						•	•	27	84	59	85	54		5	1				
1 7	1.79	1161				1	3	14	41	124	313	350	510	49	55	•	3				
1 .	4.27	4509				1	10	24	**	474	1471	1330	643	514	27		1				
1 •	4.47	3594			1	L	•	50	. 94	336	1104	1234	546	157	25	11	1				
TOTAL	14.94	11003		ı	3	15	47	140	337	1501	3500	1975	1769	605	176	47	21	•			

#### TABLE CITO DISTRIBUTION OF SERVICE LOAD PACTORS FOR THE LAMBING INVEST RESSION PHASE FOR BATA ACQUITAGE AT PORCES APO, RANSAS

CW-PW	MER	TOTAL								ren 0151										
MER	(1900)	PEARS	0.0 0.3 0.5	0.4	6.7	0.79	0.00	0.00	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7 2.0	
1 5	0.05	24			1	2	1	2	2	5	3	•	5		1			2		
	0.05	53			ı			3	9	l l	2	•	2		1	1				
1 4	0.35	234	1		7	•	17	17	3.2	27	33	29	59	14	12	•	2		ı	
1 3	0.03	10					2	2	•	3	3			2	2			ı		
1 7	0.20	139			ì	2	•	ě	17	33	27	30	13	Ā	•	7	2	i		
1 0	0.90	341	1		7	ĕ	11	27	63	149	134	30 70	33	20	10	•	ĭ	ž		
1 9	0.55	403	_	1	À	3	11	33	30	95	49	60	31	10	11		,	1		
JATOT	2.05	1410	2	ī	56	55	44	**	192	315	261	214	114	49	40	31	i	i	1	
								234												

#### TABLE COM DISTRIBUTION OF SACURE LOAD FACTORS FOR THE TABL RESSION PRASE POR DATA ACQUIRED AT

1.4 1.5 1.7 2.0
1.4 1.5 1.7 7.0
1.4 1.5 1.7 2.0
1.4 1.5 1.7 2.0
1.4 1

CW	-	BLOCK	TOTAL								L	DAD FAC	ton bis	TREBUTE	131 140								
94	BEA	11M2 (MM.)	PEARS	•••	J. 3	•. 5	0.6	9. 7	0.75	0.00	A-85	0.90	0.94	1.05	1.10	1.19	1.50	1.55	1.3	1.4	1.5	1.7 2.0	
		0.48	237						1	- 11	50	54	47	45	44	50	17	3					
	•	0.03	750		4	11	16	53	55	37	53	115	99	106	105	10	31	32	20	10	•		
1		3.29	6892	1	15	41	103	550	237	303	344	856	772	843	+31	665	484	300	276		33	•	
1	-	0.43	605			3	•	14	10	34	12	2.6	70	110		51	21	•	7				
1		0.37	294			1	L	3		13	23	46		62	39	5.0			ı				
t		0.03	1117			1	ı	33	33	67	113	169	505	558	137	101	25	23	15	ı			
	•	0.87	1196						10	30	110	234	522	316	173	64	17	7					
10	TAL	7.31	11149	1	10	79	151	309	343	371	937	1 404	1215	1734	1325	***	431	303	355	104	40	•	

#### TABLE C330 DISTRIBUTION OF ANDUNO LOAD FACTORS FOR THE LAMBING SUPACT MISSION PHASE FOR BATA ACQUIRED AT

CH-CA	BARRE	TOTAL								.040 FAC	Tre 815	TRIBUTI	ON 151								
BL OCK	Tame	PEAKS	4.0 0.	3 9.3	9.4	0.7	0.75	0.00	0.05	0.40	0.95	1.03	1.10	1.15	1.20	1.29	1.3	1.4	1.5	1.7 2	
	(100.)																				-
1 5	0.10	43						1		7	7	11		•	2	3					
1 3	0.25	555		1 1	•	•	3	12	19	50	37	24	39	15	15				1	1	
1 4	1.05	1053		ĺ	7	10	34	12	94	140	173	143	167	96	44	39	20	ì		-	
1 9	0-15	90					•	3	2	15	50	25	19	4	•	1	- 3	ĭ			
1 4	0.05	50		2			1		Ā	A		•	3	1	1	ĭ	i.	-		1	
ii	0.20	100		_	5	Ā	ě	Ĭ	26	31	30	¥	55	16	i i	ž	- 5		1	•	
1 9	9.20	214		1	1		10	- 11	22	30	31	43	20	55		7		_	-		
TOTAL	2.00	1047		l Š	13	24	94	- 19	167	270	301	304	262	199	14	93	44	•	2	•	

#### PARLE SIA DISTRIBUTION OF ACCUME LOAD FACTORS FOR THE TARE RESIDENCE AT POR BATA ACQUISED AT

CU-FU		TOTAL						ren 0151							
of och		PEARS	0.0 0.3 0.5	 0.7	0.75	0.00	 0.00	0.93	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1.5	(MM.) 8.03	16													
TOTAL	0.03	iš						•	•	į					

#### TABLE CIPE DISTRIBUTION OF PROBING LOAD FACTORS FOR THE LANDING RUL-OUT WISSIGN PHASE FUR BATA ACQUIRED AT

#### TABLE C33c DISTRIBUTION OF SHOWN LOAD FACTORS FOR THE LANDING IMPACT MISSION PHASE FOR DATA ACQUIRED AT

CH-PW SLOCE	91.804	TOTAL					U	000 PAC	100 DES	TREAT I	m 161					
W.CC.	1100	+ 5448	 0.4	6.7	0.75	6.00		0.90	0.95	1.05	1.10	1.15	1.8	1.25	1.3	1.4 1.5 1.7 2.0
	1000.1	444						•	100	944						
1:	IL R	- 37				2		Je i	100		- 1	•		ı		
1 7	7.02	77				-	-		90	27						
TOTAL	37.14	1044				2	•	11	463	487	56			1		

### TABLE CIGO DISTRIBUTION OF CAMEND LOAD FACTORS FOR THE TABLE-OFF MAY MISSION PHASE FOR GATA ACQUINGS AT ORGATOR SOUTHWEST INTL, TERAS

CH-F	w	BLBCR	MITTE								TOA 015							
or oc		1300	PEAKS	0.0 0.3 0.5	0.4	9.7	9.75	0.00	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 7.0
1	5	0.63	300			2		1		23	97	120	34	12	1	1	1	
1	•	0.30	137				_			16	33	10	30	11	2			
1	7	0.45	110							43	133	192	13	32				
TOTA		1.44	947					•	17	•2	137	145	**	36	•			

### TABLE CISC DISTRIBUTION OF CAMEND LOAD FACTORS FOR THE LANDING ROLL-GUT MISSION PHASE FOR DATA ACQUIRED AY OREATER SOUTHWEST INTL, TEXAS

CH-PH BLOCK 9LOCK TIME (MM.) 1 5 1.30 1 6 0.00 TOTAL 2.18

# TABLE C344 DISTRIBUTION OF GROWND GOAD FACTORS FOR THE TOUCH-AND-GO ROLL HISSIAM PMASE FOR BATA ACQUIRED AT GREATER SOUTHWEST INTL. TERAS

LU-FW BLECK PLOCK 72ME (MM-) 1 4 0-71 1 6 0-54 1 8 0-37 TOTAL 1-62 37 43 69 149

## TABLE CIGO PISTRIBUTION OF CREAMS LOAD PACTORS FOR THE LAMBING INDEXT RESSEGN PRIASE FOR GATA ACCUSING AT CREATER SENTINEST INTL, TEXAS

OF C		PLOCE TIME (MEN.)	PEARS	0.0 0.3 0.3	0.6 0.5	0.73	•.00	t	0.70	700 DIST	1.05	m (6)	1.15	1.20	1.25	1.9	1.4 1.5 1.7 2.0
1	•	0.10	25					,	11		:	•	•	1	1	1	
i	•	0.10 0.15 0.00	61 47	1	•	i	Ť	ż		1	10	18	1		\$	•	2
TO	AL	0.45	106	1	1		11	•	31	21	24	48	15	10	•	7	

#### PACTORS CONTROL CON PACTORS

TAXI MISSION PRASE POR BATA MONINGS AS MICHAEL AND MISSIS

CU-PU	BLECK	TOTAL						M	-	-	71 10UT 10	101					
of est	1100	PRAES	C.0 0.3 0.5	9.4	D. 7 0.	79	0.00						1.15	1.20	L-25	1.3	1.4 1.5 1.7 2.0
1 3	10.20	10								•	•						***
1 3	1.56	•															
1 .	3.01									7	1						
1 7	0.71																
1 .	4.12	133								51	er.	1					
1 10	13.05					_		_		•	•		_				
5 3	8.57	442				1	•	Z	25	123	200	26	7		1	1	
\$ 10	9-94	150								20	99	i					
: :	19.40	111									. 33						
: :	19.00	777						1	53	-	396	:					
	ili								•	•	112	,					
• • •	5.30									10							
	11.52	äi							•	13	16 50						
	14.07	400							21	104	131	67					
TOTAL	194.43	2440				1	•	3	74	990	1229	126	าเ		1	1	

## TABLE C386 DISTRIBUTION OF SAMES LOAD FACTORS FOR THE TAKE-OFF NUM MISSION PHASE FOR BATA ACQUIRED AT MICKAM APD, MANAII

CH-PH BLOCK	DLOCK TIME (MIN.)	TOTAL PEAKS	0.0 0.3 0.5	•.4	0.7	0.75		e.m'		700 DIST	7410VT1	04 (6) 1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 5	0.35	26									21						
1 6	0.47	64								20	42	-1					
1 0	0.45	221					4	- 5	19	44	97	37	11	2			
1 10	1.19	993		1	1	•	13	26	48	104	161	70	50	12	•	ı	
2 10	0.53	509						20	19	112	141	74	44	10	7		
5 0	1.24	866		1	•		9	20	109	273	263	126	41	•	•	2	
7 .	1.30	1130		_		18	26	97	153	300	210	297	70	37	13	1	
TOTAL	5.44	3177		2	Ì	25	96	146	429	980	733	193	196	70	5.0		

#### TABLE CISC DISTRIBUTION OF SEBURD LOAD FACTORS FOR THE LANDING ROLL-OUT RISSION PHASE FOR DATA ACQUIRED AT HICKAR APS, MMALE

CI	y-# W	BLOCK	TOTAL						L	DAD FAC	TOR DES	TRIBUTI	(2) 100							
M	LOCK	TENE	PEAKS	0.0 0.3 C.	5 0.4	0.7	0.75	0.00	3. <b>85</b>	0.90	0.95	1.05	1.10	1.15	1-50	1.25	1.3	1.4	1.5 1.7	2.0
1	. 3	0.74	57								29	27	1							
		1.29	400							••	30	21			122					
3	;	0.41	10						•	29	7.53	(7)	91 1		•	•				
9	•	0.50	214			_	2			30	43	61	40	10	2		1			
1	?	1.33	949		1	1		10	26	47	20%	210 151	211 40	54 30	20	•	1			
i	, ,	0.95	***	1	, ;	10	•	10	32	90	25	100	10	11	iř	•	i	9	ı	
	TAL	7.45	438		3 10	2	18	30	15	31	129	78		181	13	21		_		

#### TABLE CIM DISTRIBUTION OF COMPUTE LAND PACTORS FOR THE LANDERS INTERFERENCE PHASE FOR BAYA ACQUINED AT

CU	PU	DLSC I	TOTAL						U	DAD PAC	TOR 0151	RIWTI	IN 161							
BL (	ĸĸ	4100	PEARS	0.0 0.3 0.5		0.7	0.75	0.00	0.05	0.90	0.75	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7 2.0
	_	(140.)																		
ı	3	9.05	19								5	•	3							
1	•	0.05	13							,	•	•	5							
	•	0.05	40			1	2	1	•	•	7	7	•	2	2	•	3			
3	3	0.05	12							3	•		2	1						
•	4	0.05	54					1	•	7	11	•	- 3	12	4		2			
•	3	0.05	83				3	ă	•	19	11 23	•	11	Ť	•	1	ĭ	2	2	
Š	•	0.05	44				ž	2	À	•	2	16		•	ž	•	-			
7	•	0.05	20				_	•		Ĭ.	11	1	ĭ	i	-	•				
÷	Ä	0.05	A		•			•	•	•	- 4	18				•	•	•		•
101	-	0.30	349						- 4	49	13	10	50	30			•		•	
40	-	4023	-		•	•	•		-				20	20	13	•		,	•	•

#### TABLE CIÓS DISTRIBUTION OF COMMO LONG PACTORS FOR THE TARE DISSION PHACY FOR BATA ACCUMENDO AT HILL AFO, UTAH

CW-	FW	BLOCK	TOTAL						£0	DAD FAC	TOR DIS	TA: JUT E							
DL G		T BANE	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0. 09	0.90	0.95	1.09	1.10	1.15	1.20	1.25	1.9	1.4 1.5 1.7 /	. 0
		(NPN.)																	
1	•	4.47	39								. 11	50							
1	3	9.92	875						2	23	385	444	32	2					
1	•	11.00	863						2	34	342	421	40	)	1				
•	•	3.04	38								30								
7	Ā	4.47	215							3	73	137	2						
ż	•	3.40	16								7	•							
TOT	۸Ĺ	24.00	1994						•	60	805	1047	74	5	1				

## TABLE C36b DISTRIBUTION OF SADUMD LOAD FACTORS FOR THE TAKE-OFF NUM BIBSION PHASE FOR DATA ACQUIRED AT HILL AFB, UTAM

C W-	PW	BLOCK	TOTAL						L	GAD FAC	TOR 015	TRIBUTI	04 (6)					
PLO	CR	TIME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0.85	0.90	0. 95	1.05	1.10	1.15	1.20	1.75	1.3	1.4 1.5 1.7 2.0
		I MPM. I																
5	6	0.53	867		6	25	34	45	72	120	116	145	119		64	34	19	2
7	4	0.57	158						12	73	84	132	50	4	1			
7	5	0.67	54.0					1	13	104	111	204		15				
TOT	AL	1.72	1793		4	25	34	65	117	297	313	401	247	85	65	34	19	7

#### TABLE CIGO DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING ROLL-BUT MISSION PHASE FOR DATA ACQUIRED AT HILL APB, UTAH

CW-F		PLOCK TIME ( PPM. )	TOTAL PFAES	0.0 0.3 0.5	0.6	0.7	0.75	0.00		0.90		1.05		1.15	1.70	1.25	1.3	1.4 1.5 1.7 2.0
ı	4	C.42	407					ı		47	105	120	99	21	6			
ı	5	0.7/	554					. 6	38	114	102	175	70	39	10	4		
1		1.65	643			1	5	12	20	111	193	196	74	20	7	4		
TOTA	1	7.44	1604			1	5	19	44	272	480	491	243	76	23			

#### TABLE C364 DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT MISSIMM PHASE FOR DATA ACQUIRED AT MILL APB. UTAM

CM-	FW	BLOCK	T-TTAL						· ·	DAD FAC	FOR D151	RIBUTI	161 MG					
PLC	K.K	TBME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	v. 85	0.40	0.95	1.05	1.10	1.15	1.20	1-25	1.3	1.4 1.5 1.7 2.0
		(M\$N.)																
ı	4	0.05	60					2	,	14		7	•	. 8	5		6	4
1	5	0.05	30					4	7		•	9	•	2		7	1	
1		0.05	47			2		3	•	13	3	7	7	2	5	2		
TOT	AL	0.15	145			2		•	13	71	19	19	14	12	10	4	7	3

~ A

#### TABLE C376 DISTRIBUTION OF SEGUND LOSS FACTORS FOR THE TANE RESCRIBED AT HUMBER AFF, CORRESA

CW-FW	BLOCK	TOTAL							OND PACT								
BLOCK	TIME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MEN.)																
1 3	0.79	7								2	5						
1 6	9.02	399							4	191	241	•					
TOTAL	8.61	404							•	153	246	,					

## TABLE C37b DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAKE-OFF RUN RISSION PHASE FOR DATA ACQUIRED AT HUNTER APB, GEORGIA

CW-FW BLOCK	RLOCK Tome	TOTAL	0.0 0.3	2.5	0.6	0.7	0.75	0.00	0.90			1.15	1.20	1.25	1.3	1.4 1.5 1.7 1.0
1 A	(MIN.) 0.45 0.45	167 167								55 51						

## TABLE C37c DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING ROLL-OUT MISSION PHASE FOR DATA ACQUIRED AT HUMTER AFB, SECRESA

CW-FW	BLOCK	TOTAL						L	DAD PAC	TOR 0151	FRI BUT 1	DN (G)					
BLOCK	TIME	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0. 10	0. 05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	( MEN. )																
1 3	0.44	240					1	2	17			16	3				
TOTAL	0.44	240					1	2	17	80	121	16	,				

### TABLE C374 DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT RISSION PHASE FOR DATA ACQUIRED AT HUNTER AFB, GEORGIA

CW-FW	BLOCK	TOTAL						L	MAD FACT	TOR 0251	REBUTE	M (6)						
BLOCK	TEME	PFARS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0.89	0.90	0.95	1.09	1.10	1.15	1.70	1.25	1.3	1.4 1.5 1.7 2.0	
	( NEN. )																	
1 3	0.05	39						5	3		5		5	3				
TOTAL	0.05	39						3	•	10	3	•	5	3				

## TABLE CIGA DISTRIBUTION OF SHOUND LOAD FACTORS FOR THE TAIR RISSION PHASE FOR BATA ASSUMMED AT RACENA AS, ORIGINAL

CH-PH	BLBCK	TOTAL								TOR DIS'	TRIBUTI							
NL DC &	TOME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0.85	0.70	0.95	1.05	1.10	1.15	1.20	1.75	1.3	1.4 1.5 1.7 2.	. 0
	( MEN. )																	
1 3	11.40	90							5	39	45	L						
i a	24.61	567							•	207	334	15						
2 5	7.84	26								12	14							
2 10	7.30	301						1	24	148	1 30	20	2					
	4.30	38									26							
4 15	5.26	1 10							2	10	70							
TOTAL	45.15	1232						t	40	400	457	44	2					

### TABLE C385 DISTRIBUTION OF GROUP'D COAD FACTOR: FOR THE TAKE-OFF RUM MISSION PHASE FOR DATA ACQUIRES AT KANFMA AB, OKTHAMA

CW-FW	BLOCK	TOTAL							DAD FACT	TOR 015	TRIBUTIO	161 PC					
AT LE K	TIME	PFARS	0.0 0.3 0.5	0.6	0.7	7.75	0.80	0, 85	0.96	0.94	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MEN.)																
1 5	0. 17	190			,	4	11	39	51	110	87	4.3	29			1	
1 6	0.41	331				3	7	1	*1	109	104	54	12	4	4		
2.13	0.69	687				5	•	51	119	183	161		56	•	3	1	
4 10	0.57	443			,				75	119	140	64	10	1			1
TOTAL	7.14	1846			5	12	25	99	771	521	446	250	127	1.0	3	•	1

### TABLE CIRC DISTRIBUTION OF GROUND LOAD FACTOR'S FOR THE LANDING RIEL-OUT HISSION PHASE FOR DATA ACQUIRED AT KADERA ABO DRIMAMA

CH-FH	PLOC#	TOTAL						L.	DAD FAC	TOR 0151	PRIBUTIO	94 (G)					
WECCH	Line	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.40	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.9	1.4 1.5 1.7 2.0
	(MI4.)																
1 6	2.68	1410						37	177	420	323	197	43	9			
2 5	0.70	442					ı	12	11	139	172	11	•	4		1	
4 3	0.45	347					2	3	28	122	103	69	17	2	1		
TOTAL	4.21	2207				7	11	52	734	701	800	319	49	15	i	L.	

## TABLE CING DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT RISSIDN PHASE FOR DATA ACRUSED AT RANGHA AB, DEFNAMA

CW-F	w	<b>BLOC4</b>	TOTAL								TOR 6151								
JI UC	ĸ	1166	PFAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	8. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.	0
		(PIN.)																	
1	•	0.15	145		2	3	•	7		2.2	20	26	25	•	7	7	•	1	
2	3	0.05	3.6				2	•	•	6	4	17	6	3	5		,		
4	•	0.65	38				1	1	2	7	•	5	4	4	4		1		
TOTA	L	9.25	231		2	2	7	12	14	15	28	45	39	15	16		•	1	

#### TABLE CITA DISTRIBUTION OF PROMISE LONG PACTORS PAR THE TARE STORY PROMISE PAR ANTA DESIGNATA AT RELLY AFO, TOUAS

CW-F	¥	BLOCK	TOTAL								TO 9157	AIDUTI						
BL OC	ĸ	TOME	PEARS	0.0 0.3 0.5	0.4	0.7	0.75	0. 00	0.00	0.90	0.95	1.00	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 7.0
		( MEN. )																
1	•	4.84	77								26 _	- 49						
4	6	4.42	53								10	9						
TOTA	Ł	13.40	100								44	54						

#### TABLE CJ9b DISTRIBUTION OF SECURE LOAD PACTORS FOR THE TAKE-OPP RUN RISSION PHASE FOR DATA ACQUESS AT RELY APD, TEKAS

CH-LA	BLBCK	TOTAL					11.5	DAD PAC	TOR 0131	TRI DUT I	M (6)					
BLOCK	T DOVE	PEARS	0.0 0.3 0.5	0.6	0.7 0.71	0.80	0.05	0.90	0. 25	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	( MON . )															
4 6	0.44	505		1		1		14	H	64	37	7		1		
TOTAL	0.44	505		ı		1		12	79	, 84	37	7		L		

### TABLE C39c DISTRIBUTION OF SADURD LOAD FACTORS FOR THE LANDING ROLL—DUT MISSION PHASE FOR DATA ACQUISMO AT RELLY APD, TEXAS

CW-FW	BLOCK	TOTAL						L	-	TOR 015	TRIBUTIO	DM (6)						
BLOCK	T PRE	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0. 86	0. 05	0.90	0.93	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0	ı
	(REN.)																	
1 6	0.43	449						•	30	197	168	61	17	Z				
TOTAL	0.37	469						•	30	157	148	61	19	2				

#### TABLE C394 DISTRIBUTION OF SECUND LOAD FECTORS FOR THE LANDING IMPACT HISSID PHASE FOR DATA ACQUIRGO AT RELLY APD, TEXAS

CW-PW	BLOCK	TOTAL						L	OAD FACT	ma 015	REDUTE	M (G)					
BLOCK	TOME	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0.85	0.90	0. 95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MBN.)																
1 6	0.05	20									10	4					
TOTAL	0.05	20								•	10	4					

# TABLE C40a DISTRIBUTION OF ENGUNO LEAD FACTORS FOR THE TAXI MISSION PHASE FOR DATA ACQUIRED AT KIMPO INTL ARPT. SCOUL. ROREA

CW-FW	RLOCK	TOTAL						L	DAD FACT	TOR 0151	RIBUTIO	DM (6)					
BLOCK	TIME	PEAKS	0.0 0.3 0.5	9.6	0.7	0.75	0. 80	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.6
	(MEN.)																
1 5	3.47	199						2	33	149	102	26	9				
2 4	3.44	251							14	84	142	11					
TOTAL	7.3.	650						2	47	233	324	39	•				

TABLE C405
DISTRIBUTION OF SROUND LOAD FACTORS
FOR THE
TARE-OPF RUN HISSION PHASE
FOR DATA ACQUIRED AT
KIMPO INTL ARPT, SECUL, ROREA

CM-+ M	BLOCK	TOTAL								TOR 0151							
OF OCK	TEMP	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.80	C. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.29	1.3	1.4 1.5 1.7 2.0
	(MSH.)																
2 •	0.53	407				1	3	23	4.0	110	125	54	15				
TOTAL	0.41	407				1	3	23	6.0	110	125	94	19				

### TABLE C40c DISTRIBUTION OF ANDERS LAND PACTORS FOR THE LANDING ROLL-GUT HISSIGN PHASE FOR DATA ACQUIRED AT RIMPO INTL MAPT, SEGMA, RORPA

CW-FW	BLOCK	TOTAL								TON 0151	TR   BUT	M (6)					
BLUCK	TEME	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0.05	0.90	0. 77	1.05	1.10	1-15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 5	1.05	315							49	211	223	34		2			
TOTAL	1.05	535						•	49	211	223	34		2			

TABLE C404
DIST/IBUTION OF GROUND LOAD FACTORS
FOR THE
LANDING IMPACT PISSION PMASE
FOR DATA ACQUINCE AT
RIMPO INTL AMPT, SEGGL, ROREA

LOAD FACTOR DISTRIBUTION (6)
0.75 0.00 0.05 0.06 0.05 1.05 1.10 1.15 1.20 1.25 1.3 1.4 1.5 1.7 2.0

## TABLE C41a DISTRIBUTION OF SECURD LOAD PACTORS FOR 1/2 TAXI RESSEM PHASE FOR DATA ABBURRED AT REMOTEY APS. DERMUDA

CW-FW BLOCK	BLOCK TIME (MPN.)	TOTAL PEARS	0.0 0.1 0.5	0.6	0.7	0.75	0.00			0.99		DM (6)	1.15	1.20	1.25	1.3	1.5	1.5	1.7 2	2.6
1 .	2.16	159						1	20		49	•								
1 7	4.31	301						ī	14	50	171	44	1							
INTAL	7.07	460						2	34	130	216	69	1							

### TABLE C4 b DESTRIBUTION OF GROWN LOAD FACTORS FOR THE TAKE-CIFF BUN RISSION PHASE FOR DATA ACQUIRED (T KINOLEY AFR. BERL DA

CW-FW	ALOCK	TOTAL						L	DAD FAC	TOR DIS	TR 1 NUT 1	D4 (G)					
BL CC K	1 9 PF	PFARS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	A. 05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MBN.)																
1 7	0.17	908		ı	2	3	23	32	64	44	65	42	2.7	7	•	2	
TOTAL	0.34	308		1	3	3	23	32	64	44	45	42	27	7	4	,	

### TABLE C41c DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING RILL-OUT HISSION PHASE FUR DATA ACQUIRED AT KINDLEY AFR, SERRUDA

CW-FW	BLOCK	TOTAL								FOR D151								
BL DC K	TIPE	PEAKS	0.3 0.3 0.5	0.6	0.7	0.75	0.80	0.45	0.93	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1.7 2.0
	(MEN.)																	
1 6	0.77	645		1	53	29	37	67	113	56	126	79	55	13	16	10	2	4
TOTAL	0.77	645		1	23	29	32	6.7	113	54	126	79	55	13	1.0	10	2	+

### TABLE CAID DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT MISSION PHASE FOR DATA ACQUIRED AT KINDLEY AFR, SERRUDA

LOAD FACTOR DISTRIBUTION (G)
0.0 0.3 0.5 0.6 0.7 0.75 0.80 0.85 0.90 0.95 1.05 1.10 1.15 1.20 1.25 1.3 1.4 1.5 1.7 2.0 3 5

# TABLE CALA DISTRIBUTION OF ORDERO LOAD FACTORS FOR THE TARI RESSION PHASE FOR DATA ACQUIRGO AT LAJES A/D. AZORES

CM-	PW	PLOCK	TOTAL						· ·	DAD FAC	FOR 0151	TREBUTE	ON (4)								
M.O	CR	TIME (MON.)	PEARS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.9	1.4	1.5	1.7	20
,	2	12.44	25			•					•	21									
•	•	1.2)	0		•																
•	4	9.20	15								4										
•	•	9.23									23	40									
101	AL	B2.34	120								31		•								

### TABLE C42b DISTRIBUTION OF GROUND LOCD FACTORS FOR THE TAKE-OFF RUM HISSION PHASE FOR DATA ACQUIRED AT LAJES A/D, AZORES

CH-FW	BLOCK	TOTAL							DAD FACT								
BL OCK	TIME	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	0. 05	0.90	0.93	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MEN.)																
3 9	0.53	277					1	2	25	95	110	41					
	9.47	158						1	•	43	54	46	7	1			
TOTAL	1.00	415					- 1	•	76	134	104	67	15	1			

k

#### TABLE C42c DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING ROLL-OUT MISSION PHASE FOR DATA ACQUIRED AT LAJES A/D, AZORES

CW-FW BLOCK	BLDCK TIME (MIN.)	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.00			100 DIST			1.15	1.20	1.25	1.3	1.4 1.5 1.7	2.0
3 2 TOTAL	0.50 0.57 1.67	365 220 585						5	11 14 45	124 91 215	151 74 225	46 17 81	10	2				

#### TABLE C42d DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT MISSION PHASE FOR DATA ACQUIRED AT LAJES A/D, AZDRES

CW-PW BLOCK	RLOCK TIPE	PRAKS	0.0 0.3 0.5	0.6	J. 7	0.75	0.00		0.90				1.15	1.20	1.25	1.3	1.4 1.5 1.7 8.0
	1 PE N. 1																
3 2	0.05	30									•			ı	3	•	
4 4	0.05	30				- 1		3	4	A	•	•	1	ı			
TOTAL	0.10	40				t		3	, .	10	15	6	2	2	3	3	

### TABLE C41A DISTRIBUTION OF SHEME LOAD PACTORS FOR THE TANK RESIGN PHASE POS GATA ACCURATO AT LAKSHMAST HAS, HOW JORSEY

CW-FI	•	BLOCK	TOTAL							040 FAC	TOR 915	TRIBUTIO	D4 (G)					
W OC I		ABME	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.80	0.49	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 2		( MDM. )	97								42	34	- 1					
1 1	3	14.59	294							16	147	116	10	•			1	
1 4	•	9.71	175								54	120	1					
1 9	•	32.52	1340							21	434	941	71	ı				
TOTAL		45.00	1734							37	497	1111	03	•			3	

## TABLE C43b DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAKE-OFF RUN HISSION PHASE FOR DATA ACQUIRED AT LAKEMURST MAS, MEN JERSEY

CW-	W	RLOCK	TOTAL						L	DAD FAC	TOR DIS	TA   BUT 1	UN 161					
ML O		TIME	PEARS	0.0 0.3 3.5	0.6	0.7	0.75	0.00	05	0.90	0.95	1.05	1.10	1.15	1.70	1.25	1.3	1.4 1.5 1.7 3.0
		IMEN. )													•	•		
1	2	0.52	233						1	16	76	92	30	10				
1	3	0.47	491				2	11	79	72	76 125	112	68	10 57	7	- 6	1	
	4	0.43	764	4	4	3	1	5	26	70	227	303	82	16		5	- 11	
ı	3	1.36	945					h	31	119	257	284	163	8.0	23	•		
TOTA	A L	1.00	2431	•	4		3	27	49	277	480	791	343	144	10	1.6	12	

### TABLE C43c DISTRIBUTION OF GRIVING LOAD FACTORS FOR THE LAMDING ROLL-OUT MISSION PHASE FOR DATA ACQUIRED AT LAKEMURST MAS, NEW JERSEY

CH-FW BLOCK BLOCK TBMF (MPN.) 1 3 1.09 1 4 0.41 1 5 2.19 TOTAL 3.71 TOTAL PEARS 0.0 0.3 0.5 0.6 211 165 300 194 177 300 471

#### TABLE C43d DISTRIBUTION OF SADUND LOAD FACTORS FOR THE LANDING IMPACT MISSIGN PHASE FOR PATA ACQUIRED PT LAKENURST MAS, NEW JERSEY

CH-FW	BLOCK	TOTAL									TRIBUTIO	ON (6)							
BF UCK	IBME	PFAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.60	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7 2.0
	( M9# . )																		
1 3	6.15	78			2	1	3	1	11	13	14			•	3	2	1		
1 4	0.05	52		2	ž	3		•	2	12	14	ĭ	•	•	3	Ž	ī	2	2.
1 5	0.20	104			1		3	14	10	19	13	16	•	•	Ä	4	i	_	_
TOTAL	0.40	734		2	9	10		25	29	40	33	27	19	13	10	ė	•	2.	1

### TABLE C44a DISTRIBUTION OF GROUND LDAD FACTORS FOR THE TAIR RIBERON PHASE FUR DATA ACCUSINGO AT HARCH AFD, CALEPORNEA

CH-PH		TOTAL						DAD FAC	TOR 0151	RIBUTI						
BLOCK	TEME	PEAKS	0.0 0.3 0.5	0.6 6.7	0.75	0. 60	0. 05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.7	1.4 1.5 1.7 4.0
	( ME H. )															
1 6	12.01	422						1	195	224	2					
3 6	30.60	701	1						299	442	)					
TOTAL	49.41	1123	1					L	430	684	5					

## TABLE C44b DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TARE-OFF NUM MISSION PHASE FOR DATA ACQUIRED AT MARCH AFG, CALIFORNIA

CH-FH	BLBCK	TOTAL								TOR DIS								
<b>BLOCK</b>	TIME	PFARS	0.0 0.1 0.5	0.4	0.7	0.75	0.00	0. 05	0.90	0.95	1.05	1.10	1.15	1.70	1.25	1.3	1.4,1.5 1.	7 2.0
	(MPM.)																•	
3 6	1.43	1070	1		ı	2	1	5	8.2	393	440	155	12	3				
TOTAL	1.43	1070	1		1	2	1	5	9.2	393	448	122	12	3				

#### TABLE C44c DISTRIBUTION OF SADUND LOAD FACTORS FOR THE LANDING ROLL-OUT HISSION PHASE FOR BATA ACQUIRED AT MARCH AFB, CALIFORNIA

CW-FW BLD	DCK T	TOTAL						L	DAD FAC	TOR DIS	TRIBUTIO	ON 161					
BLOCK TB		End"	0.0 0.3 0.5	0.4	0.7	0.75	0.80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 40
( MT	FN.)																
1 6	3.62	2762				3	5	39	197	1146	1094	237	29		3	1	
TOTAL	3.42	2767				3	5	39	197	1148	1094	237	29		3	1	

### TABLE C44d DISTRIBUTION OF SMOUND LOAD FACTORS FOR THE LANDING IMPACT MISSION PHASE FOR DATA ACQUIRED AT MARCH APB, CALIFORNIA

CW-FW	BLOCK	10' A						L	DAD FACT	TOR 0151	RIBUTIO	ON 161						
BLOCK	TIME	PF. "5	0.0 0.3 0.5	0.4	0.7	0.75	0.80	0. 05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1	.7 2.0
	( MEM. )																	
1 4	0.15	141						7	1.8	40	32	21	12	4	3	2	2	
TOTAL	0.15	141						7	16	40	32	21	12	4	3		2	

CH-PU BLECK BLOCK TIME (NON.) 3 6 10.45 6 7 8.24 TOTAL 26.64 FACTOR DISTRIBUTION (8) 40 8-99 1-09 1-10 1-15 1-20 1-25 1-7 1-4 1-5 1-7 2-0 325

TABLE: C496
DISTRIBUTION OF CHARMS LOAD FACTORS
FOR THE
TAKE-OPP NUM RISSION PHASE
FOR DATA ACQUINGS AT
RECHORD APS, WASHINGTON

CW-FI'	BLOCK	TOTAL								TOR   03 51							
BLOCK	1386	PEARS	0.0 0.3 0.5	0.4	0.7	0.77	0.00	6.05	0.90	0.95	1.09	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	( MBH . )																
6 7	0.42	392						3	40	113	130	68	5.5	1			
TOTAL	0.42	392						3	40	112	130	44	22	1			

#### TABLE C45c DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING ROLL-OUT RIZSION PHASE FOR DATA ACQUIRED AT RECHIRD AFO, WASHINGTON

CW-FW	BLUCK	TOTAL						L	DAD FAC	TOR 0151	RIGUTI	DN (G)					
BLCCK	TIPE	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	4. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 1.0
3 ^	(MEN.) 0.75	201						1	16	54	•1	33	•	2			
TOTAL	0.75	201						1	16	54	91	33	4	5			

### TABLE C454 DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT MISSION PHASE FOR DATA ACQUIRED AT RECHORD AFS, WASHINGTON

CH-FH	BLUCK	TOTAL								TOR 0151							
BL OCK	TIME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.77	0. 00	0. 85	8.70	0.75	1.05	1.10	1-15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MIN.)																
3 6	0.05	38						•		3	14	,	4	2	ı		
TOTAL	0.05	30						3	•	3	14	3	- 4	2	1		

### TABLE CASA DISTRIBUTION OF DESIGN LOAD PACTORS FOR THE TABL RIGHTS PHASE POR DATA ASSURED AT RECLELLES AFE- CASPORNIA

CM-LM	BLD: A	TOTAL					L	BAD PAC	100 915	TRIBUTIO							
DL OCK	TIME	PEARS	0.0 0.3 0.5	0.6 0.	7 0.75	0.00	0. 65	0.90	4.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0	
	(MEN.)																
1 5	2.10	409				1	ı	1	44	204	6.0	•					_
1 6	3.11	31							19	12							
2 10	7.71	90							43	55							
TOTAL	13.90	330				1	1	1	100	351	68						
	7.71	90				1	1	1	19 43 100	12 55 351	**	•					

## TABLE C46b DISTRIBUTION OF BROWNO LOAD FACTORS FOR THE TAKE-OFF RUM HISSION PMASE FOR DATA ACQUIRED AT MCCLELLAN AFB, CALIFORNIA

CW-FW BLOCK	PLOCK TIME (MIN.)	TOTAL PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.00			708 0151 0.93			1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0	)
1 5	0.35	170							•	52	49	54	7	2				
2 10	0.56	393			ı			1	9	197	151	33		1				
TOTAL	0.91	563			1			1	15	249	200	87	7	3				

## TABLE C46c DISTRIBUTION OF SHOUND LOAD FACTORS FOR THE LANDING ROLL-BUT HISSION PHASE FOR DATA ACQUIRED AT MCCLELLAN AFB, CALIFORNIA

CH-	FW	BLOCK	TOTAL						L	DAD FAC	FOR DIST	TRIBUTIO	DN 161				
BLO	CK	TIME	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.80	0. 65	0.90	0.95	1.05	1.10	1.15	1.20	1.25 1.3	1.4 1.5 1.7 7.0
		(MIN.)															
1	5	1.04	428							3		238	82	27	11	,	
1	•	1.03	679					1	2	32	219	347	73	•			
TOT	AL	2.11	1107					1	2	35	284	505	155	32	1.1	2	

#### TABLE C46d

#### DISTRIBUTION OF GROWNO LOAD FACTORS FOR THE TOUCH-AND-GO ROLL HISSION PHASE FOR DATA ACQUIRED AT HCCLELLAN APB, CALIFORNIA

CM-	FW	BLOCK	TOTAL							DAD FAC	TOR 015	REDUTE	DN (G)					
NL O	CR	TIME	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.80	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
		(MEN.)																
1	4	0.33	242					1	14	42	47	36	53	37	10	2		
Ĺ	5	2.71	2004	1		5		33	124	280	504	244	467	247	62	22	5	
i	6	2.26	2077			2	10	22	122	297	410	263	472	216	41	14		
1	7	0.78	458					1	25	100	192	133	153	44		7		
TOT	AL.	5.58	4981	1		7	10	97	285	719	1343	474	1145	544	121	40	5	

### TABLE C44* DISTRIBUTION OF SADUND LOAD FACTORS FOR THE LANGING INPACT HISSION PHASE FOR DATA ACQUIRED AT RECELELIAN AFB, CALIFORNIA

C C	- P W	DC BC K	IUI AL						L	DAD PAL	100 013	INTERNIT	UM (6)						
BLC	C R	TIME	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	0.09	0.90	0.95	1.05	110	1.15	1.20	1.25	1.3	1.4	1.5 1.7 2.0
		(HOM.)																	
1	4	0.05	26				2	3	2	•	1	3	1		2		1	,	
1	5	0.40	305			2	•	13	21	43	42	29	58	31	12	13	5	- 5	*
1	•	0.35	278			1	4	7	20	41	64	33	54 15	25	11		•		1
i.	7	0.10	82						- 11	12	14	3	15	•	3	3	7	2	
101	AL	0.90	691			3	15	27	- 94	102	141	70	120	65	20	24	22	•	6

### TABLE C476 DISTRIBUTION OF GROUND LAMP FACTORS FOR THE TAIL RESIGN PHASE FOR SAYA ACQUIRED AT RECONNELL APD: RAMSAS

CH-FH	BLBCK	TOTAL						L	DAD FAC	TOR 015	TRIBUTIO	M (C)					
BLOCK	TIME	PEARS	0.0 0.3 0.5	0.4	0.7	0.75	0. 80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.7	1.4 1.5 1.7 2.0
	(MEN.)																
1 3	4.20	604							11	411	161	1					
1 4	4.31	803						2	24	353	372	51		1			
TOTAL	10.59	1407						2	35	764	553	92		1			

### TABLE CATE DISTRIBUTION OF GROUND LOAD FACTURS FOR THE TAKE-OFF RUN MISSION PHASE FOR DATA ACQUIRED AT MCCONNELL APB, KANS/S

CW-FW BLOCK BLITCK TIME (MIN.)	TOTAL PEAKS	0.0 0.3 0.5	0.6 0.7	0.75	0.80			O. 95	1.05		1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 3 0.30 1 4 0.33 TOTAL 2.63	179 188 367		2			2	26	58 62 120	56 102 158	21 16	10 2 12	1	1		

#### TABLE CATC DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING ROLL-OUT PISSION PHASE FOR DATA ACQUIRED AT RECONNELL AFB, KANSAS

CW-FW	BLOCK	TOTAL						L	DAD FAC	TOR DIST	RIBUTE	ON (6)						
HLOCK	TIME (MIN.)	PEAKS	0.0 0.3 0.5	0.6	0. 7	0.75	0.00	e. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0	
1 4	0.61	495					4	13	>9	154	151	71	35	7	1			
TOTAL	0.61	495					4	13	59	154	151	71	35	7	1			

# TABLE C47d DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TOUCH-AND-GO ROLL MISSION PHASE FOR DATA ACQUIRED AT MCC:NNELL AFB. KANSAS

CW-	FW	BLOCK	TOTAL						L	DAD FAC	TOR DIS	TRIBUTIO	DN (G)					
BLO	CK	TIME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	J. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
		(MBN.)																
· 1	3	1.12	834			ı	1	17	34	121	266	213	130	49		1	L	
ı	4	1.00	840	2	ı	•	2	13	30	116	218	131	168	95	24	14		•
1	5	0.32	211			ı		2	2	19	89	01	17		1			
1	7	0.60	399				2	5	15	50	153	112	45	3.1	4	1	1	
1		1.82	1361				5	3	42	154	467	475	102	26	4	3		
1	9	1.50	703			5	2		22	84	243	226	91	20	1		1	
TOT	AL	6.36	4355	2	1	13	12	48	157	524	1436	1230	641	207	42	19	11	4

### TABLE C470 DISTRIBUTION OF SMOUMD LOAD FACTORS FOR THE LANDING IMPACT MISSION PHASE FOR DATA ACQUIRED AT MCCONNELL AFB, KANSAS

CH-	FW	BLBCK	TOTAL								L	DAD FAC	TOR DIST	TRIBUTI	D4 (6)								
DLC	Хĸ	7 BHE	PEAKS	0.0	0.3	0.5	0.6	0.7	0.75	0.80	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7 2	0
		(MEN.)																					
1	3	0.15	108				1	ı	6	4	11	13	15	21	14	•	2	3	5	2			
1	4	0.20	197		2	1	4	5	9	12	10	26	17	18	21	15		10	11		•	ı	
1	5	0.05	32								3	10	•	3	2	2	1	1	3	1			
ı	7	0.10	60				1	1	2		2	10	17	5	10	3	•	- 3	2	1			
1	•	0.25	182				1	3	3	•	16	20	36	40	24	12	•	2	7				
1	•	0.20	147					3	1	4	13	36	32	26	31	10	7	3	1				
TO	AL	0.95	746		2	1	7	13	21	29	43	115	123	113	102	51	30	30	29	12	•	1	

### TABLE C48a DISTRIBUTION OF BROWND LOAD FACTORS FOR THE TANI MISSION PHASE FOR DATA ACQUIRED AT NCCOY APO, FLORIDA

•

CW-FW	BLOCK	TOTAL						L	DAD FACT	TOR 0151	REBUTE						
BLOCK	TIME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 L.7 2.0
	(MEN.)																
1 4	8.15	166								54	107	3					
TOTAL	8.15	166								54	107	3					

#### TABLE C486 DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAKE-OFF FUN HISSION PHASE FOR DATA ACQUIRED AT RCCOY AFB, FLORIDA

CH-FH	BLOCK	TOTAL						L	OAD FACT	TOR DIST	REBUTE	DN 161						
BLOCK	T SME	PEAKS	0.0 0.3 0.5	C.6	0.7	0.75	0.80	0.85	0.40	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0	٥
	(MIN.)	150							,	53	84	10		,				
	0.37	1 20								,,				•				
TOTAL	0.34	150							2	53	84	10		1				

### TABLE C48c DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LAMDING ROLL-OUT MISSION PHASE FOR DATA ACQUIRED AT MCCOY AF8, FLORIDA

CM-FW	BLOCK	TOTAL						L	DAD FACT	TOR D151	RIBUTIO	ON (G)				
BLOCK	I DHE	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0.85	0.90	0.95	1.05	1.13	1.15	1.20	1.25 1.3	1.4 1.5 1.7 7.6
	(MIN.)															
1 4	0.44	234					1	3	17	8.6	87	29		2	i	
TOTAL	0.44	234					1	3	1.7	86	6.7	27	4	2	1	

### TABLE C48d DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT HISSION PHASE FOR DATA ACQUIRED AT HCCOY AFR, FLORIDA

CH-FW	BLOCK	TOTAL								TOR DIS								
BLOCK	TIME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0.05	0.90	0. 95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0	
	(MEN.)																	
1 4	0.05	36				ı	•	4	7	2	5	4	5		1	2	1	
TOTAL	0.05	36				1	•	4	7	2	5	•	5		1	7	1	

#### TABLE CAPA DISTRIBUTION OF SERVED LOAD PACTORS POR TIE TANT MESSION PMASE POR DATA SEGUINGO AT RESULAR APS, NEW JERSFY

CH-FH	BLOCK	TOTAL						L	DAD FAC	TOR 015	TRIBUTI	ON (6)								
OF DC K	11RE (MPN.)	PEARS	0.0 6.3 0	. 9 0.4	0.7	0.75	0.00	6. 05	0.90	0.95	1.05	1.19	1.15	1.20	1.25	1.3	1.4	1.5 1.	7 2.0	
1 2	12.92	84							•	40	36									
1 3	6.34	297							3	137	1 50	3	1							
1 5	10.95	199							1	67	100	•								
1 4	40.97	1337							29	510	755	35								
1 /	8.57	251							. 2	136	111	1	1							
1 10	63.37	1204						t.		405	751	47	_							
2 )	18.48	131						2	1	41	64	2	1							
2 4	10.47	76						_	2	25	44	3								
2 9	8.01	167							3	60	99	5								
2 10	82.07	168								75	73									
3 3	7.92	53							1	33	10	1								
3 4	7.55	45							i	17	24	1								
3 4	8.06	45						ı	i	26	30	4	1							
3 10	13.96	144							ĩ	54	86	3	-							
TOTAL	297.84	4301						•	111	141.	2303	100								

### TABLE C496 DISTRIBUTION OF GROWN LOAD FACTORS FOR THE TAKE-OFF RUM HISSION PHASE FOR DATA ACQUIRED AT HCGUIRE AFB, NEW JERSEY

CH-FH		TOTAL								TOR 015									
BLOCK	TIME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	.1. 85	0.90	0.41	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1	.7 2.0
	(MIN.)																		
1 1	0.24	131						4	16	45	56	13							
1 5	0.23	77					1		6	31	33	6							
1 6	0.34	350				4	10	23	43	67	69	46	50	19	1	4			
1 7	0.31	177					2	1	17	74	53	23	•	1					
1 10	3.54	2550		2	4		29	100	324	723	795	446	140	47	9	•	1	- 1	
2 9	0.50	453				ı	2	22	41	145	126	71	20	10		ı			
2 10	1.96	782		1		1	4	27	139	270	326	155	45	1	1	1	- 1		
3 10	1.33	1006		1			6	34	114	314	313	154	47		1				
TOTAL	8.30	5728		•	4	14	54	223	716	1677	1683	911	324	86	74	9	2	1	

# TABLE C49c DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LAMPING RILL-DUT HISSION PHASE FOR DATA ACQUIRED AT HCGUIRE APB, NEW JERSEY

CH-FW	BLOCK	TOTAL						L	DAD FAC	TOR DIS	TRIBUTI	ON 161					
BL OC E	TBME (MEN.)	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	C. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.75	1.3	1.4 1.5 1.7 2.0
1 2	0.92	555				1	1	21	78	235	170	37	5	7			
1 5	0.44	310		1			ī	12	24	111	111	33	12	ż	2	ı	
1 6	4.30	3279				10	32	148	448	011	1001	510	212	57	14	1	
2 3	1.65	617						12	65	231	240	60	9				
2 4	1.20	631				1	1	•	57	223	253	74	10	5			
3 3	0.58	145		1	3	1	2	2	7	97	55	15		2		ı	1
3 4	0.67	554					3	•	90	189	177	70	13	4			
3 6	1.03	575				1		10	54	224	205	41	10	2			
TOTAL	11.17	4444		,		1 4	40	221	843	2061	2212	844	219	7.	1.4		•

## TABLE C494 DISTRIBUTION OF ENDUMO LOAD FACTORS FOR THE LANDING IMPACT HISSION PHASE FOR DATA ACQUIRED AY REQUIRE APB. HEW JERSEY

CW-FH	•	BLOCK	TOTAL						L	DAD FAC	TON 015	TAIBUTS	ON (61							
PL OC I		T SME	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	7. 09	0.96	0.05	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1.7	7.0
1 2	?	9.05	31			1	5	3	1	2	4	•	1	3	•	2			1	
1 9		0.05	27				i	i	ž	ě		5	•	i	•	_		1	-	
1 4	•	0.27	297			3	3	11	20	32	47	45	33	22	11	12		2		
, ,	)	0.01	41					2	5		14	13	11	3	•	2	1	-		
2 4	•	0.10	49				L	1	•	13	14	10	12		4	ì	i			
3 3		0.05	21					2	2	2	•	2	3	ı			-	1	2	
3 4	•	0.05	67		1	1	1	2	•		10	11	•		9	3	3			
3 6		0.05	20					-	9	4	9	3		•		•	i	-		
TOTAL		0.71	941		1	•	11	22	43	71	104	• • •	84	40	20	20	1.5			

# TABLE CION DISTRIBUTION OF SAMENO LONG PACTORS FOR THE TANI MISSION PMASE FOR DATA ACQUINGO AT RING-ST. PAUL INTL. RINGESOTA

CW-FW	BLOCK	TOTAL							DAD PAC							
BLOCK	2 3 ME	PEARS	0.0 0.1 0.5	0.4	0.7	0.75	0.00	0. 09	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3 1.4 1.5 1.7 2.0
	(AM.)															
1 7	9.40	251							1	90	192					
TOTAL	9.40	251							ı	96	197					

# TABLE COOM-DISTRIBUTION OF SROUND LOAD FACTORS FOR THE TAKE-OFF RUN MISSION PHASE FOR DATA ACQUIRED AT RINN-ST. PAUL ENTL. RINNESCIA

CW-FW	BLDCK	TITAL						U	DAD PAC		RIBUTI	M 161	•						
HLOCK	TEME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0. 85	0.90	0.95	1.09	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1.7	1.0
	(MIN.)																		
1 7	9.39	187							14	61	69	36	5						
TOTAL	0. 39	187							16	61	49	36	5						

TABLE CSOC DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING BOLL-OUT RESSION PHASE FOR DATA ACQUIRED AT RINN-ST. PAUL INTL, HINNESDIA

CH-FH	PLOCK	TOTAL						L	DAD FAC	TOR 0151	PRIBUTI	M 161						
<b>BLOCK</b>	I I MF	P ARS	0.0 0.3 0.5	0.4	0.7	0.75	0.80	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2	. 0
	( PB4. )																	
1 7	0.56	202				1	1	4	22	103	95	19	11	5	1			
TOTAL	0.56	282				ı	ı	4	22	103	95	9.0	11	5	1			

TABLE C504
DISTRIBUTION OF GROUND LOAD FACTORS
FOR THE
LANDING IMPACT MISSION PHASE
FOR DATA ACQUIRED AT
PINN-ST. PAUL INTL. REMISSORA

CH-Fb	BLOCK	THTAL							AD FACT	POR DEST	RIBUTIO	161						
FFUCK		"EAKS	0.0 0.3 0.9	0.6	0.7	0.75	0. 80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1	.7 2.0
	( MEN. )																	
1 7	0.05	30			1	3	2		2	1	•	1	4	2	,			
TOTAL	0.03	10			1		2		2	1	•	1	4	2	,			

•

### TABLE COIL DISTRIBUTION OF COURSE LAND PARTORS FOR STOREM PHASE FOR STOREM PHASE AND ONLY ADDRESS AT HOW ORLEANS AND, LOWISIAMA

CH-FH	BLOCK	TOTAL															
BLOCK	TOME	PEARS	0.0 0.3 0.5	0.6	0.7	0.79	0.00	n. 05	0.90	0.95	1.09	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	( MOM. )											-					
1 5	1.35	40						1	1	14	97	5	1	•	_		
1 0	8.04	79								31	42	2			•		
TOTAL	9.41	139						1	2	45	79	7	1				

### TABLE C91b DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAKE-OFF RUM HISSION PHASE FOR GATA ACQUISED AT NEW ORLEANS MAS, LOUISIAMA

CH-PY	BLOCK	TOTAL	LOAD PACTOR DISTRIBUTION (6)														
PLOC.	TIME	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	0.09	0.90	0.95	1.05	1.10	1.15	1.30	1.25	1.3	1.4 1.5 1.7 20
1 0	0.33	236				2		•	30	44	83	34	10	2			
TOTAL	^.33	230				ž		•	30	**	63	34	10	2			

#### TABLE CSIC DISTRIBUTION OF SHOUND LOAD FACTORS FOR THE LANDING ROLL-OUT RISSION PHASE FOR SATA ACQUIRED AT NEW ORLEAMS MAS, LOUISIANA

TABLE CSIG DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT RISSION PHASE FOR DATA ACQUIRED AT NEW ORLEADS MAS, LOUISIAMA

CH-FH	BLOCK	TOTAL															
MLOCK	TONF	PFAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.40	0.85	0.10	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 4.7 2.0
	(MIN.)																
1 5	0.07	2.3			1	1	2	5	1		•	2	1		2	3	
TOTAL	0.45	22				•	2		1		A						

### TABLE COSA DISTRIBUTION OF ORDERS LOAD PACTORS POR THE TARE DISSION PHASE POR DATA ADJUSTMES AT HEADARA PALLS MONT, MEN YORK

CH-PH	BLBCK	TOTAL															
OL OCK	T IME	PEARS	0.0 0.1 0.5	0.4	0.7	0.75	0.00	0. 05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	1014.1																
1 )	4.15	41								35	26						
1 0	3.20	2								2							
TOTAL	7.43	63								37	24						

#### TABLE C52b DISTRIBUTION OF ENDUMO LOAN FACTORS FOR THE TAKE-OPP NUM RESSION PHASE FOR DATA ACQUIRED AT NIABARA FALLS MUNIS, NEW YORK

CH-FW	BLOCK	TOTAL	LOAD FACTOR DISTRIBUTION (6)														
BLOCK	TIME	PFARS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0. 05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MIN.)																
1 0	0.49	331	1		•	10	50	39	30	36	45	50	27	15	12	•	
TOTAL	0.49	331	1	1	•	10	50	39	30	30	45	50	27	15	1.2	•	

### TABLE C52c DISTRIBUTION OF SEQUENO LOAD FACTORS FOR THE LANDING ROLL-OUT RISSION PHASE FOR DATA ACQUIRED AT HIAGARA FALLS HUMI, HEW YORK

CH-FM	OL OCK	TOTAL	LOAD FACTOR DISTRIBUTION (6)														
BL OC #	TIME	PEARS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	0. 45	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	0.04	515							51	91	47	119	47		26	32	
. ,	V . WH	217					•		7.	7.6	7.6	417	4.	,	,,,	26	•
TOTAL	0.86	915					5	17	51	91	97	119	47	3	75	37	1

#### TABLE C524 DISTRIBUTION OF GROUND LOAD FACTURS FOR THE LAMBING IMPACT MISSION PHASE FOR DATA ACQUIRED AT NIABARA FALLS RUMI, MEN YORK

CM-FW BLOCK PLOCK TIMF (MBN.) 1 3 0.05 TUTAL 0.09 TOTAL LOAD FACTOR DISTRIBUTION (6) PEAKS 0.0 0.7 0.79 0.00 0.05 0.90 0.99 1.09 1.10 1.15 1.20 1.25 1.3 1.4 1.5 1.7 2.0 7

#### TABLE CS34

DISTRIBUTION OF PROUMD LOAD PACTORS
POR THE
TAXI MISSION PHASE
POR DATA ACQUIRED AT
MORTH ISLAND MAS, CALIFORNIA

CW-FW	BLOCK	TOTAL	LOAD PACTUR DISTRIBUTION (6)															
BLOCK	TIME	PEAKS	0.0 9.3 0.5	0.6	0.7	0.75	0.80	0.05	8.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0	Đ
	(MEN.)																	
2 5	7.73	65								32	33							
TOTAL	7.73	45								37	33							

#### TABLE CS3b DISTRIBUTION OF SROWN LOAD PACTORS FOR THE TAKE-OFF RUN HISSION PHASE FOR DATA ACQUIRED AT NORTH ISLAND MAS, CALIFORNIA

TOTAL | LOAD FACTOR DISTRIBUTION (6) | PEAKS | 0.0 U.3 U.5 U.6 U.7 U.75 U.80 U.89 U.90 U.95 1.05 1.10 1.15 1.20 1.25 1.3 1.4 1.5 1.7 2.0 6 15 6 15

#### TABLE CS4s DISTRIBUTION OF SHOUND LOAD FACTORS FOR THE TAIL HISSION PHASE FOR DATA ACQUIRED AT PATRICK APB, PLORIDA

CN-FW BLOCK PLOCK TIME (RIN,) 1 5 4.80 2 5 5.03 TOTAL 9.83 TOTAL LOAD FACTOR DISTRIBUTION (6)
PEAKS 0.0 0.3 0.5 0.6 0.7 0.75 0.60 0.09 0.00 0.00 1.00 1.10 1.15 1.20 1.29 1.3 1.4 1.5 1.7 7.0 41 190 4 111 47 311 11 11

#### TABLE C34b DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAKE-OFF RUN HISSION PHASE FOR DATA ACQUIRED AT PATRICK APB, FLORIDA

CM-FW BLOCK PLOCK TIME (MIN.) 1 5 0.35 FOTAL 0.35 TOTAL PEARS 0.0 0.3 0.5 0.6 0.7 0.75 0.80 0.85 0.90 0.95 1.05 1.10 1.15 1.20 1.25 1.3 1.4 1.5 1.7 2.0

### TABLE C54c DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING ROLL-BUT HISSION PHASE FOR DATA ACQUIRED AT PATRICK APS, FLORIDA

N (6) 1.10 1.15 1.20 1.25 1.3 1.4 1.5 1.7 2.0

#### TABLE C544 DISTRIBUTION OF ENGINE LEAD FACTORS FOR THE LANDING INPACT HISSIGN PHASE FOR DATA ... OUTRO AT PATRICK APA, PLORIDA

CW-FW BLOCK TIME (MIN.)
2 5 0.05
TOTAL 0.05 TOTAL PEARS 0.0 0.3 0.5 0.6 C.7 0.75 0.00 0.85 0.00 0.95 1.05 1.10 1.15 1.20 1.25 1.3 1.4 1.5 1.7 2.0 } } 4-- } 5

256

### TABLE CSSC DISTRIBUTION OF GROUND LOAD PACTORS FOR THE TASI MISSION PHASE FOR DATA ACQUIRED AT PITTSBURGH-NOWROEVILLE, PENRSYLVANIA

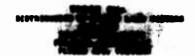
CW-FW	PLOCK	TOTAL							GAD PAC	TOR 9151	RIBUTI						
W CCK	TIME	PEARS	0.0 0.3 0.5	0.4	0.7	^.75	0.86	0.85	0.90	0.95	1.05	1.10	1.15	1.70	1.25	1.3	1.4 1.5 1 7 7.0
	(#90.)																
1 4	11.40	299						2	4	216	74	3					
2 6	10.09	187									97	ı		Ω			
TTTAL	22.29	404						2	4	105	171	4		-4			

# TAPLE C556 DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING ROLL-OUT HISSION PHASE FOR DATA ACQUIRED AT PITTSBURGH-HOMBOGUILLE, PENNSYLVANIA

CW-FW	BLOCK	TOTAL						L	DAD PACT	POR 9181								
BLOCK	TIME	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0. 80	C. 85	0.90	0.45	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.1	2.0
	(MIN.)	764							1.0	99	87							
, ,	U. 37	744										,,,						
TOTAL	0.38	764						1	18	99	87	51	•					

# TABLE CSSC DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT HISSIGN PHASE FOR DATA ACQUIRED AT PITTSBURGH-ROWROCVILLE, PRINSYLVANIA

CW-FW	BLOCK	TOTAL								FOR 0151							
BLOCK	TEM	PEAKS	0.0 C.3 0.5	0.6	0.7	0.75	0.00	0. 87	0.96	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 3.0
1 4	0.05	44				1	•	1	10	•	•		3	3	1		
TOTAL	0.05	44				1	•	3	10	4	•	•	3	3	3		



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## TABLE CSTA DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAXI MISSION PMASE FOR DATA ACQUIRED AT POINT MUGU NAS, CALIFORNIA

CW-FW	BLOCK	TOTAL						L	DAD FAC	IOR DIST	TRIBUT 1	ON (G)					
BLACK	TIME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 7.0
	(MEN.)																
1 5	6.72	357						1	9	167	169	11					
3 5	9.15	674					1	4	15	225	368	37	4				
THTAL	15.07	1031					1	5	44	392	537	48	4				

TABLE C57b
DISTRIBUTION OF GROUND LOAD FACTORS
FOR THE
TAKE-OFF RUM HISSION PHASE
FOR DATA ACQUIRED AT
POINT PUGU NAS, CALTFORNIA

CM-LA	BEDCK	THIAL							HAD PAT	11M D12	********	OH 161						
PLPCK	TIPE	PARS	0.0 0.3 0.5	3.6	0.7	0.75	0.80	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.75	1.3	1.4 1.5 1.	7 2.0
	(MIN.)																	
1 5	9.51	747			2	2	÷	•	13	70	71	40	9	4	,		1	
TOTAL	0.51	247			2	2	•	7	13	70	71	1.9	19	4	1		Ł	

#### TABLE CST: DISTRIBUTION OF GROWN LOAD FACTOR' FOR THE LANDING RILL-OUT HISSION PHASE FOR DATA ACQUIRED AT POINT HIG! NAS, LALIFORNIA

CW-FW	BLOCK	TOTAL						L	DAT DAD	FOR 0151	TRIBUTE	no (6)					
AL CC M	II HE	PEAKS.	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0. 45	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	[494.)																
1 5	0.67	477			1	7	1.0	35	9.7	101	95	10	20	6	4	2	
TOTAL	0.67	477			ı	7	19	35	97	101	95	90	20	6	4	2	

### TABLE CSTd DISTRIBUTION OF GROUND LOAD FACTORS FOR IM. LAMBING IMPACT HISSIGN PHASE FOR DATA ACQUIRED AT POINT MUGU MAS, CALIFORNIA

CW-FW	BLOCK	INTAL									RIBUTIO						
REDOK	TIME	PLAKS	0.0 6.3 0.5	0.6	0.7	0.75	0.00	1.45	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	[#[4.]																
1 5	0.05	41					1	Z	10	11		5	2	2			
1 :741	0.05	41					ı	\$	lu	11			1	2			

#### TABLE CION DISTRIBUTION OF SAME LOAD FACTORS FOR THE TAIL RESIDEN PHASE FOR DATA ACQUIRED AT RAIMOUPM APS, TEMAS

CW-FW	DLOCK	TOTAL							040 PAC								
PLOCK	TEME	PEAKS	0.0 0.3 0.9	0.6	0.7	0.75	0.00	0. 25	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MIN.)																
1 4	21.95	961							10	476	472	23					
1 7	9.17	1139						1	32	500	514		3				
TOTAL	31.12	2120						1	42	984	900	103	2				

#### TABLE COSS DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAKE-OFF BURN RISSION PHASE FOR DATA ACQUIRED AT RANDOLPH APR, TERAS

CM-FM	BLOCK	TOTAL							DAD PACT								
BLICK	TIPE	PEARS	0.0 0.3 4.5	0.6	0.7	0.75	0.80	4. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MEN.)																
l e	1.17	524					1	2		170	292	46	7				
1 7	0. 10	191						2	9	64	95	19	2				
TOTAL	1.47	725					1	•	17	242	307	65	9				

#### TABLE CSGC DISTRIBUTION OF SECUND LOAD FACTORS FOR THE LANDING ROLL-OUT MISSION PHASE FOR DATA ACQUIRED AT RANGELPH APR, YEXAS

CW-FW	BLOCK	TOTAL							DAD PAC	TOR 9151							
BLOCK	1 1 mE	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0. 80	J. 89	0.70	0.95	1.09	1.10	1.15	1.30	1.25	1.3	1.4 1.5 1.7 4.0
	( MIN. )																
1 6	1.21	1103						14	114	440	422	104	7				
1 7	0.62	533					ı	1	42	191	220	49	•		2	ı	
TOTAL	1.83	1434					1	15	176	491	642	199	13		2	1	

#### TABLE COME PRIORTION OF GROUND LOAD FACTORS FOR THE LAMBING IMPACT RISSIGN PHASE FOR GATA ACQUINGS AT RANGELPH APS, TERMS

CH-	FW	BLOCK	TOTAL					u	-	TOR 210	TR 1 807 1	CM (6)					
PL DO	ČK	TIME	PEAK',	0.0 0.3 0.5	 0.7	0.75	6.00	0. 05	0.00	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
		(MEN.)															
- 1	•	0.19	127			1		•	19	33	21	25	6	•	1	2	
	7	0.08	30				1	•	•		11	•	7				
****			146						•	4.9							

## TABLE CS9A DISTRIBUTION OF GROUND LOAD FACTURS FOR THE TANT MESSION PHASE FOR DATA ACQUIRED AT RHEIN BAIN A/D, GERMANY

CW-FW	BLOCK	TOTAL						L	DAD FAC	IOR DES	TRIBUTI	DM (G)					
PLOCK	TEME	PEAKS	0.0 0.3 0.5	0.6	0.7	9.75	0.80	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MIN.)																
1 3	8.65	329							•	99	214	10					
1 4	27.49	865							36	359	446	50				2	
1 7	3.07	489						1	3	1 75	296	44					
2 5	13.06	159								51	100						
2 10	20.47	314							2	87	216	¥					
3 4	4.11	39								5	14						
1 10	23.54	110								65	53						
TOTAL	108.41	2313						1	47	401	1 169	98				2	

### TABLE C596 DISTRIBUTION OF GROUND LOAD FACTORS FOR 1MF TAKE-OFF RUM RISSION PHASE FUR DATA ACQUIRED AT MEIN MAIN AZD, GERMANY

( N-FM	BLOCK	TOTAL						L.	DAD FAC	TOR DIS:	TREBUTE	ON (G)					
BLUCK	TPPF	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.80	O. 81	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	[ MIN. ]																
2 10	2.57	1014			1	4	11	51	201	6 L 5	502	105	9.5	22	9	2	
3 10	1.41	1014				1	13	44	154	31/	268	165	24	4			
T. TAL	3.98	2828			l	3	74	95	355	953	770	470	120	24	,	*	

TABLE C59c
DISTRIBUTION OF GROUND LOAD FACTORS
FOR THE
LANDING REILL-DOLT MISSION PHASE
FIR DATA ACQUIRED AT
RHEIN MAIN A/D, GERMANY

LW-FW	BLOCK	TOTAL							L	GAD FAC	TOP DIS	TRIBUTI	ON (S)							
"L OCK	11#f	PIAKS	0.0 0.1	0.5	0.6	0.7	0.75	0.80	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1.7 4.	
	(MEN.)																			
1 3	0.8/	629		3 2	1	1	1	10	30	94	151	107	137	6.2	14	5	4	3	4	
1 4	5.53	2902		1		7	A	32	95	315	934	900	140	146	46	14	4			
1 9	1.27	1062					2	14	46	126	280	263	215	92	20	4				
2 5	2.58	957								30	371	157	/1	15	1	3				
3 4	1.20	597						ı	1	19	199	287	8.1	6	3					
TOTAL	11.40	6047		1 1	1		11	57	172	613	1935	1914	824	321	84	26		3	•	

# TABLE C594 DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT MISSIRN PHASE FOR LATA ACQUIRED AT RHEIN MAIN A/D, GERMANY

CI	4- F W	BLOCK	TOTAL							OAD PAC	TOR D15	TREBUTE	DH (6)						
M	CK		PFAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.60	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1.7 7.0
		(MEN.)	7.4						,				,						
	,	0.05	34						- 4	•	•	•	4	•	•		•		
1	4	0.25	161		2	•	2	7	17	18	16	25	10	12	11		7	4	l .
1		0.05	10		1	1		4	•	5		4		2	•	3	4	l l	
1	, ,	0.09	43						3	•	11	14	6	3					
	4	0.05	34								11	16	7						
		0.40	122			•		13	10	4.1	30	43	14	21	20	12	15	- 4	1

#### TABLE COOR DISTRIBUTION OF SERVING LOAD PRETORS FOR THE TAKE MISSIGN PHASE FOR BATA REQUIRED AT RICHARDS-GEBAUR AFS, MISSOURI

CW-FW	BLOCK	TOTAL							FOR DEST							
BLOCK	TIME	PEAKS	0.0 0.3 0.5	 0.7	0.73	0.80	0.05	0.90	0.75	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	( ROOL . )															
1 4	9.07	147							73	73	1					
TOTAL	9.07	147							73	73	1					

# TABLE CAOD DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TARE-OFF RAW FISSION PHASE FOR DATA ACQUIRED AT RICHARDS-GEBAUR AFB, RISSOURS

CW-FW	BLOCK	TOTAL		•						TOR 0151							
OFOCK	TIME (MIN.)	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	6. 00	0. 05	0.90	0.95	1.05	1-10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 4 TOTAL	0.28	119					2	1		25 25	54	31	5	1			
TUTAL	0.25	114					Z	1		29	34	31	,	1			

#### TABLE COOL DISTRIBUTION OF SABAND LOAD FACTORS FOR THE LANDING ROLL-BUT HISSION PHASE FOR DATA ACQUIRED AT RICHARDS-GERAUR AFD, HISSOURI

CH-FH	DADER	TOTAL									TOR 015							
DFOCK	TEME	PEAKS	0.0	0	.3 0.5	 0.7	0.75	0. 80	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 4	0.77	248							1	11		114	15		1			
TOTAL	0.77	248							1	11	106	114	15		1			

#### TABLE COOL DISTRIBUTION OF CHIMNO LOAD FACTORS FOR THE TOUCH-AND-GO GOLD MISSION PHASE FOR DATA ACQUIRED AT RICHARDS-GEBAUR APS, RISSOURI

	BLOCK	TOTAL						L	MO FACT	ron 0151	TR LOUT 10	M (6)					
BLOCK	TIME (MIN.)	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0.05	0.90	0.95	1.05	1.10	L-15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
TOTAL	0.24	102						•	17	51 51	75 75	22 22	:	3	1	1	

# TABLE COO DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT HISSIGN PHASE FOR DATA ACCUSAGE AT RICHARDS-COOMER AFO, HISSOURI

CM-FW BLOCK PLOCK 13ME (MEN.) 1 4 0.05 1 0 0.05 YOTAL 0.10 LOAD FACTOR BUSTRIBUTION (G)
0.0 0.3 0.5 0.6 0.7 0.75 0.00 0.05 0.90 0.95 1.05 1.16 1.15 1.20 1.25 1.3 1.4 1.5 1.7 2.0 1 1 1

### TABLE C61a DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAKE MISSION PHASE FOR DATA ACQUIRED AT ROSINS APB. SECONGIA

CH-FW	BLOCK		TOTAL						L	DAD FACT	OR 0151	REDUTE	ON (6)					
BF OC K	TPME		PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	IMIN.	)																
1 5		10	39							1		27	2	1				
1 6	9.	87	139							3	57	75	•					
2 5	6.	16	129								35	94						
TOTAL	24.	13	307							4	100	196		1				

TABLE CAID
DISTRIBUTION OF GROWN LOAD FACTARS
FOR THE
TAKE-OFF RUN MISSION PHASE
FOR DATA ACQUIRED AT
ROBINS AFB. CFORGIA

CW-FW	BLOCK	TOTAL						L	DAD FACT	THE DIST	TRIBUTIO	34 (G)						
BLCCK	1 BHE	<b>PEAKS</b>	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0. 85	0.40	0.95	1.05	1.10	1.15	1-20	1.25	1.3	1.4 1.5 1.	. / 2.0
	( FIN. )																	
1 4	0.33	161							13	59	64	25						
2 5	0.41	266						ı	1.6	101	117	35	1					
TOTAL	0.14	427						i	29	160	176	.0	i					

TABLE C61c
DISTRIBUTION OF GROUND LOAD FACTORS
FOR THE
LAMDING ROLL-OUT MISSION PHASE
FOR DATA ACQUIRED AT
ROBINS AFR. GEORGIA

(, N -	F w	MEDCK	TITAL						L	DAD FACT	TOR DEST	IR EMINT 11	DN (G)					
PLI	AC K	1 Box E	PEAKS	0.0 0.3 0.5	0.6	0.7	G. 75	0.80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
		(PIN.)																
1	5	0.76	238				ı	1	1	9	57	107	66	1	6	1	2	
1		0.52	375					1	6	35	134	90	75	25	5		2	
TO	AL	1.28	633				L	2	7	44	193	197	141	32	11	1	4	

TABLE COLD
DISTRIBUTION OF GROUND LOAD FACTORS
FOR THE
LAMBING INPACT MISSION PMASE
FOR DATA ACQUIRED AT
ROBINS APB. GEORGIA

(W-FW	REDCK	TOTAL								REBUTIO						
HI LL R	ISME	PEAKS	6.0 0.3 0.5	0.6 0.	7 0.75	0.00	0.05	0.90	0.95	1.05	1.10	1-15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MEN.)															
1 5	0.05	33				4	3		5	7	6	1	1	1	1	
1 6	0.05	40			2		•	4	7	7	2	5	3	-	i	
TOTAL	0.10	73			ž	4		12		•				1	,	1

1

•

#### TABLE COME DISTRIBUTION OF COMMON LOAD PACTORS FOR THE TARE RESERVED AT SATOON, TAN SON MOST APP, VICTHAR

								•	-	-		AVE, VI	110,007							
CH-P1		TOTAL									-	TON 015	PRIOUTIO	M (6)						
DLOC	TIME (MML)	PEAKS	0.0	0.3	0.5	0.6	0.7	0.75	9. 00	0.05	0.90	0.99	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1	.7 2.0
1 4	8.00	53										20								
1 9		454								1	26	420	450	13						
1 (	15.66	222 514									1	69	290							
1 3	14.45	334							2	ı	14	252	230	30	3	1	ı			
1 1	21.63	170									2	110	69	1						
1.	23.33	296									11	132	149	10						
1 1	24.20	194									1	89	184							
2	10.43											5	5					ı	1	
3 4	13.10	257									2	49	105	1						
2 '	17.52	28										12	16							
2 (	6.66	121										16	105	3						
2	4.53	160									1	51	114	2						
. Z .	0.70	_0																		
2 10		76										92 22 27	44							
3 1		30									3	22	5							
3 4	22.21	71										27	43				1			
,	4.82	11.											1							
3 (	17.01	247									1	104	140	2						
3 .7	5.13	42									2	19	21							
3 10		•											4							
• •	0.30	Ţ										4	3							
5 3	1.40	•										1	3							
,	15.72	31								1	3	10	14	2	1					
5 9		50								2	2	22	29	2	ı					
5 (	2.34	25										5	1920							
TOTAL	311.24	3502							5	5	49	1496	1920	72	5	1	2	ı	1	

# TABLE C62b DISTRIBUTION OF SEQUEND LOAD FACTORS FOR THE TARE-OPP NUM HESSIGN PHASE FOR DATA ACCUSINGS AT SAIGON, TAN SON HORIT APR. VIETNAM

	BLOCK	TOTAL							DAD FAC		TRIBUTE	DN (6)					
DLOCK	THE (HIN.)	PEAKS	0.0 0.3 0.5	0.6 0	7 0	. 75	0. 80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 4	0.79	454			1	1	1	4	31	140	194	68					
1 5	1.21	761				1	1	13	129	329	344	114	24	3	1		
1 6	0.45	213							12	60	94	41					
1 0	1.00	647			i .		•	26	124	150	217		21	3	1		
1 9	2.55	702				1		7	75	204	278	120	15				
1 10	1.77	1364					•	75	227	320	476	214	43	11	1		
2 4	0.39	242					Z	13	97	103	60	33 75	2	L			
2 8	0.56	314						1	12		110	75	•	1			
2 10	0.47	352					1	•	47	191	89	61	12				
3 10	0.47	501					1	14	82	137	1 56	89	17	4	. 1		
TOTAL	7.84	5612			2	3	19	1 62	900	1004	2054	705	154	29	4		

# TABLE COLE DISTRIBUTION OF SAGUND LOAD FACTORS FOR THE LAMBING ROLL-BUT RISSISM PHASE FOR DATA ACCUSED AT SATSON, TAN SQN INSUT A/D, VIETNAM

CW-FW	BLOCK	TOTAL									DAG PAC	TOR DIS	TRIBUTI	OM (6)							
OF OCK	TIME	PEARS	0.0	0. 3	0.5	0.6	0. 7	0.75	0.80	0. 85	0.10	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1	.5 1.7	7 2.0
	(MEW.)																				
1 7	1.13	864						2	•	27	103	243	300	124	21	•	1				
2 4	1.56	989							11	20	110	323	327	140	35	•	i				
2 5	1.09	505						2			50	196	159		12		,		•		
2 4	0.51	344						ĭ	Š	34	91	113	150	50	41	7	•	•	•		
								•	•	7					•	•	•		Z		
, ,	0.94	500								•	35	151	225	65	•	•					
3 4	2.26	1496							10	93	169	901	921	172	21	2	ı				
3 5	0.55	200							,	10		70	84	29	2						
3 6	1.20	824						2	•	20	119	300	230	113	23	<b>A</b>					
3 7	0.66	471						1	9	12	89	117	144	90	19	I I					
4 5	0.89	666							11	30	144	135	167	125	20	7	_				
	0.74							•	••	- 7					**	•	,				
		242								17	49	. 64	117	17	- I						
> 4	0.00	529								,	40	553	254	33	1						
5 5	2.74	1793					1	2	7	13	146	432	722	500	21	5	2	2			
5 6	1.12	740						3	5	13 16	72	233	334	51	16	•	•	ï			
TOTAL	17.29	10433					1	16	75	203	1325	3391	3719	1297	230	4.5		:			
							•	••	.,			2000	3.44	4471	270	•1	16	•	•		

# TABLE C624 DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TOUCH-AND-GO ROLL HISSIGN PHASE FOR DATA ACQUIRED AT SAIGON, TAN SON HOUT A/D, VIETNAM

		TOTAL								TOR 0157	RINTI	(S) NC					
OF OC K	TPPE (MIN.)	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.80	0. 85	6.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
TOTAL	0.51	308 308							12	70 . 78	170	43	3	2			

TABLE C620
DISTRIBUTION OF SHOWN LOAD PACTORS
FOR THE
LAMBING LOADET HISSIGN PHASE
POR BOTH MANAGEMENT AFD, VIETNAM

CU-FU OLOCK	PLOCE TORE (MIN.)	PEARS	6.0 0.3 0.5	•.•	0.7	0.75	•. ••	4.00 ^{L(}		0.95		(6) 1.10	1.15	1.20	1.25	1.3	1.4	1.5 1.7 2.0
1 7	0.05	43				1	1			•	10	•		1	1			
2 4	0.10	87		1		ĭ	i	1Ĭ	19	14	14	i	•	- 1	•	2	1	
2 5	0.10	90		_		i	ĩ	iż	ii	ii	- 7	i	•	- 6	•	•	•	
2 4	0.05	43 67 98 62		1		i	i i	-:	• •	ii	•	i	12	i	1	•	1	
1 1	0.10	84		•		•	- X	Ā		19	29	10	•		•		•	
	0.15	132						19	19	22	• • •	21	14					
	0.05					•		.,		**		41	13	•	•			
	0.05								10	•		Y	Z					
	0.05	38 24 49				_	1		2	•	•	•	,	1	1			
• •	0.05					,	Ţ	•	7	7	1	3	3	7	4	ı		
4 5	6.05	40			ı	1	•	•	•	•	•	7	2	1	1	2		
5 3	0.05	34					1		11	5	2	9	2	2				
5 4	0.11	105				3		9	16	29	17	17		2	3	3	2	2
5 5	0.15	99	1		1		1	Á		25	10	7	12	ě	•	Á	ž	ĭ
5 6	0.05	46			1	1	2	À	•			į	- 1	,	,	•	ĭ	-
TOTAL	1.11	913	1	2	4	17	37	•	140	100	134	117	76	94	30	25	÷	•

#### TABLE CASA DISTRIBUTION OF SEMENIO LOAD FACTORS FOR THE TASE RESIDEN PHASE FOR DATA ACCUSTAGES AT SCOTT APS, ELLINOIS

CH-FW	BLECK	TOTAL							DAD FAC		TRIBUTI	DN (6)						
BLOCK	T1#E	PEARS	0.0 0.3, 0.5	0.6	0.7	0.75	0.80	6.00	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7	2.0
	( MON . )																	
1 2	3.43	84								30	40							
1 1	1.25	•								- 1	1	_						
1 1	19.42	919							24	400	400							
											450	•						
1 5	57.22	2076							13	1110	1694	59	2					
1 6	26.49	1296							27	944	662	40						
1 7	10.40	394								147	200	7	_					
TOTAL	159.69	5531							64	2267	3057	110	3					

## TABLE COST DISTRIBUTION OF ORDERS LAND PACTORS FOR THE TAKE-OFF NOR MISSION PMASE FOR DATA ACCUSADO AT SCOTT APO, ELLINOIS

CW-FI	BLOCK	TOTAL						L	OM PAC	TON DIE	TRIBUTI	ON (6)					
BLOCI	TIME	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0.00	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MM), )																
1 1	0.24	154					1	3	23	42	93	13		1			
1 4	0.43	924			1		4	5	. 10	114	131	46	12	1			
1 9	3.24	1376					3	25	106	440	589	140	34	•	1		
1 6	0.74	351		1		4	2	1	20	127	129	53	13	ı			
1 7	0.43	217							•	67	87	49	5				
TOTAL	5.52	2422		1	1	4	10	34	166	810	707	329	44	11	1		

#### TABLE C634 DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LAMBING ROLL-GUT RESIDEN PHASE FOR DATA ACCUSINGS AT SCOTT APRO INLIMBES

CW	PW	DLOCK	TOTAL						U	DAD PAR	ren ets	TRIBUTI	(8)					
BL	DC II	TONE	PEMS	0.0 0.3 0.5	0.6	0.7	0.15	0.00	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1	2	(mm.) 6.27 1.15	112					1		м	- 31	.22	14		1			
i	3	3.55	2997 1971				1	19	22	191		197 026 345	344 122	72	12		2	
TO	FAL	6.40	4143				3	20	85	447	1464	1409	550	114	18	j	2	

٠,

CM-	-FW	BLOCK	TOT AL										ren 0151										
84.0		TOME	PEAKS	0.0	0.3	0.5	0.6	0.7	0.75	0,00	0.05	0.70	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7	2.0
		( MSW. )																					
1	2	0.05	27						- 1		1	•	. 7	3	9	1	•						
1	4	0.15	85								5	16	21	10	13	•	3						
ī	•	0.40	274		1	2	3	4		12	23	24	21	92	29	22	7		14	9	6	1	1
- ī	4	0.15	112					1		1		20	19	20	17	•	2	5	2	1			
701	TAL	0.75	498		1	2	3	•	•	15	40	47	100	93	64	40	14	13	16	6	•	1	1
		,,,,,,																					

#### TABLE CA4A DISTRIBUTION OF GROUND LOAD PACTORS FOR THE TAKE RESSION PHASE FOR DATA ACQUIRGO AT SHEPPARD AFB, TEXAS

		TOTAL							DAD FAC	TOR 0151	RIBUTIO	M (6)					•
BLOCK	TEME (MEM.)	PFAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0. 85	0.90	0.99	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 3	12.57	1500							35 71	525	776 641	161	•				
TOTAL	44.94	5947 8882						12	220 324	2210 3327	3189	313 592	13				

### TABLE C64b DISTRIBUTION OF GROUN; LOAD FACTORS FOR THE TAKE-OFF RUN HISSION PHASE FOR DATA ACQUIRED AT SHEPPARD APB, TEXAS

BLUCK BLUCK	PLOCK TIME (NIN.)	TOTAL OFAR	0.0 0.3 0.5	0.6	0.7	0.75	0.80		0.90				1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 3	0.30	280						1	11	113	100	48	5	1			
1 4	0.62	409						-	23	127	170	82	7		-		
1 5	7.08	1351						4	55	465	642	173	10	Z			
TOTAL	3.00	2,040						5	89	705	912	303	22	3	- 1		

## TABLE C64c DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING ROLL-OUT MISSION PHASE FOR DATA ACQUIRED AT SHIPPARD AFB, TEXAS

FH-FW	BLOCK	101AL						L	DAD FAC	TOR DIST	TREBUTE	ON (G)					
ULNCK	TIME	HARS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	A. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MIN.)																
1 3	2.51	2097			1	1	7	12	171	613	766	293	22	9	1	- 1	
1 4	1.13	719				-	i.	5	64	214	265	149	21		_	-	
1 5	4.28	3744					19	86	493	1197	1201	557	142	36	5	1	
TOTAL	7.92	4540			2	7	27	103	72 6	2074	2432	999	105	45	6	1	

# TABLE C64d DISTRIBUTION OF GROUND LOAD FACTORS FOR TH TOUCH-AND-GO ROLL MISSION PHASE FOR DATA ACQUIRED AT SHIPPARD AFR, TEXAS

							•													
CW-FW	BLOCK	TOTAL						L	DAD FAC	TOR 015	TRIBUTE	04 (.)								
HLOCK	LI ME	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	0. 85	0.90	0.95	1.05	1.17	1.15	1.20	1.25	1.3	1.4	1.5 1	.1 2.1	0
	(MIN.)																			
1 3	3 96	3222	1		6	11	65	2 94	527	797	494	589	327	114	31	13	1			
1 4	2.85	2412			1	4	34	123	314	571	534	477	215	92	33	1.3				
i 5	0.49	607			1		17	33	74	123	140	136	6.0	12	1	3				
1 7	0.89	462				2	3	19	70	108	78	133	40	6	1	2				
1 .	1.21	744				2	4	16	113	178	210	169	37	12	1					
1 9	1.11	759				ì	3	34	100	177	105	100	51	14	4	2				
TOTAL	10.53	6204	1		•	26	126	473	1190	1954	1642	1492	730	250	71	33	1			

# TABLE C64e DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANGING IMPACT MISSION PHASE FOR BATA ACQUIRED AT SHEPPARD APB, TEXAS

CH-FH	OLOCK	TOTAL								DAD FAC	TOR 0151	TRIBUTI	DN (6)							
BLOCK	TEMP	PEAKS	0.0 0.3	0.5	0.6	0.7	0.75	0.80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1.	7 2 0
	(MIN.)																			
1 3	8.45	610				2	11	19	43	84	135	80	93	77	20	13	13	1	ł	
1 4	0.50	394		3		2	4	24	26	44	74	68	6.0	37	22	12	7	3	2	
1 5	0.40	374			ı	3	•	•	28	51	73	71	45	33	17	18	13	4	2	
1 7	0.10	44				3	1	5	2	•	2	5	5	5	3		2		3	
1 •	0.19	97						2	6	14	17	24	20		1	ı				
1 9	9.15	94						ī	1	14	29	21	23	•	1	i	1			
TOTAL	1.95	1613		3	1	10	22	60	106	223	330	277	244	146	72	45	36		8	

# TABLE C65a DISTRIBUTION OF SAQUMO LOAD FACTORS FOR THE TAXE HISSION PHASE FOR DATA ACQUIRED AT TAINAN A/D, TAIWAN, FORMOSA

CM-LA	BLOCK	TOTAL						LO	AD FAC	TOR DIST	REPUTE	M (6)					
BLOCK	TOPE	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MIN.)																
2 4	5.50	249							2	97	139	7					
3 5	5.29	301							19	108	163	11					
TOTAL	10.87	546							21	205	302	18					

### TABLE C65b DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAKE-OFF RUN MISSION PHASE FOR DATA ACQUIRED AT TAINAN A/D, TAIMAN, FORMUSA

CW-FW	BLOCK	TOTAL						L	DAD FACT	TOR DIST	FRIBUTIO	ON (G)					
BLOCK	TIME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MEN.)																
1 5	0.43	374	ı		3	10	23	10	6.2	37	56	69	34	1.0	3		
TOTAL	0.43	374	1		3	10	23	30	12	37	56	69	34	10	3	•	

# TABLE C65c DISTRIBUTION OF GROWND LOAD FACTORS FOR THE LANDING ROLL-BUT MISSION PHASE FOR DATA ACQUIRED AT TAINAN A/D, TAINAN, FORMOSA

CH-FH	PLDCK	TOTAL							DAD FAC								
MT OC M	1 B ME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0. 80	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MIN.)																
2 6	0.90	945	l l		4.3	27	45	95	16.0	121	247	127	39	27	12	5	
TOTAL	0.90	965	1		43	27	45	95	168	121	247	127	39	27	12	5	

## TABLE C65d DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT MISSION PHASE FOR DATA ACQUIRED AT TAINAN A/D, TAINAN, FORMOSA

CW-FH	BLOCK	TOTAL						L	DAD FAC	TOR DIS	TRIBUTIO	DN 161					
M DCK	T BPE	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.80	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	( MON. )																
7 6	0.05	50		3	9	•	2	5	1	2		6	3	1	•	1	
TOTAL	0.05	50		•	•		2	5		2		4	3	1	5	1	

# TABLE C66a DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAIL HISSION PHASE FOR DATA ACQUIRED AT TARMLI A/D, THAILAND

CW-F	W	BLOCK	TOTAL						£.	DAD FACT	TOR 0151	RIBUTIO	M (6)					
BL OC	K	TIME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	A 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
		{ # B# }																
1 4	8	5.01	190							10	112	40						
•	4	5.45	34		1	1	Z	ı			3	21	3	1	1	ı	ı	
TOTA	L	10.46	224		1	1	2	ı		10	115	. 84	3	ı	1	- 1	i	

# TABLE C66b DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAKE-OFF RUM MISSION PHASE FOR DATA ACQUIRED AT TAKHLI A/D, THAILAND

CW-FW	BLOCK	TOTAL						L	DAD FACT	TOR   D151	TRI BUT I	DN (G)					
BLOCK	TIME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MIN.)																
1 6	0.45	514		1	3		10	37	61	131	154	68	22	4	1	2	
TOTAL	0.45	514		1	3		10	37	01	131	154	68	22	4	1	2	

### TABLE C66c DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING ROLL-OUT MISSION PHASE FOR DATA ACQUIRED AT TARMLI A/O, THAILAND

CH-FW BLCCK	BLOCK	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.90			FOR DESI			1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MIN.)		****		•••	••••				••••						,	
5 4	1.01	824			1	2	5	21	12	316	234	117	25		3	2.	
TUTAL	1.61	814			1			21		316			25		3	2	
																_	

#### TABLE C66d DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT HISSION PHASE FOR DATA ACQUIRED AT TARMEL A/Do THAILAND

BLDCK	BLOCK TIME	TOTAL PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.00			708 DEST		1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
5 4 TOTAL	0.05 0.05	46				2 2		1	13	11 11	:	2			1	

# TABLE C67s DISTRIBUTION OF SEGUND LOAD FACTORS FOR THE TAXI MISSION PHASE FOR DATA ACQUIRED AT TINKER AFB, ORLANDRA

CW-FW	BLUCK	TOTAL					L	040 PAG	TOR 011	TRIBUTE	(6) 100					
BLOCK	T BINE	PEAKS	0.0 0.3 0.5	 0.7	0.75	0. 80	6.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	( <b>424.</b> )															
1 1	33.73	1975		1	1	•	24	122	411	987	140	44	•	3		
1 2	190.91	5676				4	13	105	139	2928	175	26	7			
1 3	232.00	9290			1	2	14	252	3014	4924	263	2.3	2	1		
1 4	90.12	4529		1	2		44	177	2000	2000	978	149	16	2		
1 5	130.91	4979				ž	17	199	1717	2505	161	17	1			
1 4	444.01	14993				ī	39	917	6798	7144	444	67	,			
i i	404.13	15744			2	11	79	400	4713	7750	532	93	7	1		
1 6	33.71	1840			_		•	54	799	770	70		i	-		
1	0. 38						•						_			
1 10	322.39	17390			•	2.1	114	744	6926	8633	702	111	30	,		
3 10	24.93			•	•		•••	170	166	109		•••		•	-	
		358		_												
TOTAL	2075.22	70396		5	11	75	342	2995	31916	70846	3545	496	75	14	•	

#### TABLE C67b DISTRIBUTION OF GROUND LOAD PACTORS FOR THE TAKE-OFF RUN MISSION PMASE FOR DATA ACQUIRES AT TINKER APS, ORLAMBRA

CH-FW	BLOCK	TOTAL							L	DAD FAC	TOR 011	TRIBUTE	ON (6)					
BLOCK	THE	PEAKS	0.0 0.3	0.5	0.4	0.7	0.75	0. 80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MIN.)																	
1 2	0.54	328						2	10	20	106	141	40	•	2	ı		
1 3	1.46	743					1	2	3	29	241	352	101	11	3			
1 4	2.25	1234						1	10	40	457	574	113	•	2			
1 5	5.62	3029						3	32	105	1041	1340	359	63				
1 6	17.50	9402			1	2	4	35	146	734	3130	3915	1200	103	34	14	2	
1 7	6.01	3466				1		•	44	207	1102	1372	469	73	11	4	1	
1 8	1.91	870							4	71	341	355	1.08	11				
1 10	30.30	19240	1	1	1	10	13	63	341	2045	4127	7329	2489	496	78	19		1
3 10	1.22	305				1			22	93	75	120	26	7	ı			
TUTAL	67.05	30437	1	1	2	14	10	115	450	3442	12700	15498	5105	859	137	30	•	1

## TABLE COTC DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING ROLL-BUT HISSION PHASE FOR DATA ACQUIRED AT TENEER AFS, ORLANDRA

CH-	FW	BLOCK	TOTAL								TUR 012	TAIDUT	en (6)							
BLO	EK	TOME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.79	0.00	0, 89	0.00	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1.7	2.0
		(MBM.)																		
1	1	1.90	904			1	•		14	59	345	326	104	30	14	3	L			
1	2	11.21	5101			1	7	21	106	901	1074	1924	524	125	27	7	2			
1	3	18. 31	8879		1		4	26	149	853	2243	3306	895	174	37	•	2			
i	4	10.77	4397		-		2	19	94	\$20	1420	1390	587	111	20	•	ī	1		
1	5	4.18	3772				4	14	70	333	1234	1505	423	115	26		2	ī		
ĩ	Ă	7.97	4253			1	5	16	100	421	1920	1500	447	104	24	12	_	-	1	
i	Ť	23.55	13532				15	60	421	1000	1134	4946	1742	303	107	43	16	2	•	
•	ě	0.94	967				- ;	12	44	111	171	505	167	72	35	1		-	•	
TOTA		82.85	A1788		3		•	184	1000	AGGT	1000	15441	4491	1114	2 4 4	• •	28		2	į.

#### TABLE C67d DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TOUCH-AND-GO ROLL MISSION PHASE FOR DATA ACQUIRED AT TINKER AFB, OKLAHOMA

CW-FW	BLOCK	TOTAL						L	DAD FAC	TOR 015	TR I BUT I	ON (G)								
HLDCK	TIME	PFAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7 20	
	(MEN.)																			
1 1	0.45	221				1	1	13	34	69	37	44	15	4						
l 2	2.37	1693			2	4	28	115	251	433	415	294	110	31	12					
1 3	4.57	2790			1	•	35	120	412	802	851	364	148	38	6	•	1			
1 4	6.86	4166	4		10	11	46	142	466	1239	1176	713	236	62	16	14	3	1	1	
1 5	3.56	2214			1	10	17	90	293	621	672	300	104	19	3	2	Ž			
1 6	0.75	507			í	3	16	33	73	67	146	106	26	13	3	_	_			
1 7	8.25	6101			6	21	119	296	876	1408	1952	1014	294	72	9					
1 8	5.48	5154	2	2	10	31	45	193	718	1282	1613	891	268	59	12	7	1			
1 9	5.52	4915	1	4	5	11	52	193	553	1291	1599	837	277	76	11	4	i			
1 10	0.19	160	=	1			1	7	24	42	56	26	1	i	1		-			
TOTAL	37.92	27921	7	13	36	106	300	1202	3720	7274	8537	4671	1479	375	72	39		ŧ	1	

### TABLE C67e DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT MISSION PHASE FOR DATA ACQUIRED AT TINKER AFR, LIKLAMONA

CW-	FW	RLOCK	TOTAL							U	DAD FAC	TOR DIS	TRIBUTE	UN (S)								
PL O	CH	TIME	PFAKS	0.0 0.	3 0.5	0.6	0.7	0.75	0.60	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7 2.0	,
		(MIN.)																				
1	1	0.20	109						•	5	13	34	16	13		3	6	5	1	1		
1	7	1.45	979		ı	1	12	12	48	80	131	217	154	125	84	58	29	16	1		2	
1	3	2.36	1402			5	6	19	31	103	210	334	307	185	93	39	30	23	4	5	2	
ı	4	1.51	894		2 2	2	14	12	29	57	142	186	164	105	61	37	29	17		•	3	
1	5	1.09	610		1	2	4	LO	27	55	54	121	110	89	52	16		6	7	5	3	
1	6	0.60	625		2	2	2	13	27	47	98	122	120	88	47	2.0	11		1	- t		
ı	7	3.13	2245		3	11	33	49	78	197	361	307	410	312	175	72	69	53	14	11	2	
1		0.90	854			1	4	14	31	58	113	174	205	136	61	24	16	11	4	1	ı	
ı	•	0.05	861				2	11	17	45	131	194	190	163	43	27	11	•	1			
1 1	10	0.05	54					2	2	3	17		3	5	- 5	2	4	4	1			
TUTA	A L	12.46	8457		2 9	24	77	142	296	452	1308	1777	1703	1221	687	309	213	149	42	14	1.3	

#### T'BLE CASA DISTRIBUTION OF SHOUMS LOAD FACTORS FOR THE TAXI HISSIGN PHASE FOR DATA ACQUIRED AT TRAVIS APB, CALIFORNIA

CW-PW	BLOCK	TOTAL						L	AD PAC	TOR DIS	TRIBUTIO	DN (6)						
<b>BLOCK</b>	TIME	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.60				1.05		1.15	1.20	1.25	1.3	1.4 1.5 1.7	20
	( M? M . )																	
l 2	14.90	371						•	13	160	162	12	10	3				
1 3	94.40	3302					1	14	98	1 +40	1425	173	11					
1 4	95.49	1772						ı	90	78"	857	40	1					
1 5	28.22	1532						•	33	370	006	*0	,					
1 6	82.45	3793						1	162	1406	1915	107	1					
1 7	\$0.36	999							,	297	461	18						
1 •	95.10	2286							13	1104	1067	21	1					
2 3	35.30	1172						4	26	399	722	20		1				
2 4	11.43	149							•	54	••	2						
2 5	5.09	432							•	211	211	•						
2 7	2.77	16								2	14							
2 8	3.92	16								7	•							
2 10	11.21	16								•	12							
3 4	3.51	4									3							
3 10	33.57	146							. •	52	04	•						
4 3	17.75	423							2.0	503	190	2						
4 4	8.37	166							2	95	47	2						
• •	13.05	05							L	35	46	3						
4	11.00	49								54	35							
4 10	10.95									1	3							
3 4	4.80	320							16	207	97							
2 .	19.35	119								55	43	ı						
	8.03	10/							10	36	44	•						
/ 1	2.99	24							_	•	14	1						
7 .	10.73	111						1	•	30	59	•						
7 9	1.00												- 11					
TOTAL	598.74	17534					1	32	544	7535	8076	513	29	•				

### TABLE C68b DISTRIBUTION OF SACUMD LOAD FACTORS FOR THE TAKE-OFF RUM MISSION PHASE FOR DATA ACQUIRED AT TRAVIS AFB, CALIFORNIA

CH-FH	BLOCK	TOTAL						L	DAD FAC	TOR DIS	TRIBUTI	0N (6)					
PLOCK	I PME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.60	0. 05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MBN.)																
1 5	1.62	931			1	7	12	48	142	218	285	116	71	27	11		
1 6	5.28	3396	2		3	15	25	112	377	1031	1157	209	121	32	- 1	4	
1 7	2.01	1252				1	5	12	137	400	454	184	44		ī		
1 0	4.91	2236			1	j	16	60	219	919	707	230	51	15	•		
2 7	0.43	312			2	ĭ	3	5	42	70	124	43	16	4	1	1	
2 0	0.41	164			_	_	_	•		90	62	•	• •	•	•	•	
2 10	1.75	1029					1	19	133	336	394	130	12	2			
3 10	7.46	3437				2		77	464	1101	1106	516	73	ì			
4	0.53	242			•	_	ī	- i	36	74	70	40		· ·	- 1		
4 10	0.61	240				1	i	ĭ	11	72	123	27	•		•	1	
	2.33	1813					•	48	210	537	696	242	52		,		
, ,	1.03	784				i	- 1	14	120	238	204	104	19	ĭ	- 7	•	
TOTAL	28.37	15840	2			35	85	410	1901	5174	5462	2161	440	96	, si	,	

#### TABLE C68e CISTRIBUTION OF SADUND LOAD FACTORS FOR THE LANDING ROLL-BUT MISSION PHASE FOR BATA ACQUIRED AT TRAVIS APB, CALIFORNIA

CW-FW	BLBCK	TOTAL								L	DAD PAC	TOR DIS	TRIBUTI	DN (6)								
BL OCK	TOME (MIN.)	PEARS	0.0 0	. 3	<b>0.</b> 5	0.6	0.7	0.75	0.80	0, 05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1	1.7 %	-0
1 2	3.93	497								•	47	173	211	52	7	1						
1 3	7.76	3910				1	3	7	41	135	447	1441	1350	490	134	36	11	1				
1 4	11.29	5514			1	-	3	i	30	151	847	1062	1026	694	212	49	5		•			
1 9	7.48	4334			_			5	14	127	533	1272	1449	674	200	29	í	ĭ				
1 4	7.74	4767					2	2	20	133	517	1923	1507	502	124	27	i	Ī				
2 3	8.59	1313				1	Ž	4	•	17	77	342	713	76	29	14	3	3	1			
2 4	3.17	741				-	_		2	•	45	302	110	44	13	7	•	_	_			
2 5	0.64	315							_	j	30	72	150	31	Ť	•	•					
3 4	1-11	280									20	106	120	24	1	1						
3 10	0.91	122								3	25	136	63	62	11	Ž						
4 3	1.50	566							6	16	101	175	224	37	5	ĩ						
4 4	1.04	162								1	10	66	99	16	7	i	•					
4 4	1.77	445								•	39	164	100	45	3	-	1					
5 4	0.76	863						1	•	4.5	194	225	ii.	119	22		4					
7 3	0.46	355					1	_	i	18	67	70	110	44	14	2						
7 4	1.03	327					•			- 1	44	107	152	19	3	_						
TOTAL	59.62	24721			1	2	11	20	139	607	2005	0254	8656	3013	100	174	45	12	L			

# TABLE C684 DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TOUCH-AND-GO ROLL HISSION PHASE FOR DATA ACQUIRED AY TRAVIS APB, CALIFORNIA

CM-FW	BLBCK	TOTAL						i.	DAD FAC	TOR 015	TR 1 8UT 1	04 161					
<b>ALOCK</b>	TEME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MEN.)																
1 1	1.37	895	2	1	7	7	29	64	150	160	204	147	71	32	15	4	
1 4	2.48	1506			4	13	29	99	212	302	348	200	112	44	19	13	1
1 5	3.49	2060			6	17	32	107	313	610	594	270	93	23	11	3	i
1 6	1.33	749			5		20	41	134	152	501	115	44	13	10	6	l.
TOTAL	9.47	5230	2	1	22	45	110	311	804	1224	1371	8.20	320	114	55	24	2

#### TABLE CASE DISTRIBUTION OF GROWN LOAD FACTORS FOR THE LANDING 1-PACT MISSION PHASE FOR DATA ACQUIRED AT TRAVIS AFB, CALIFORNIA

CW-FW	RLOCK	TOTAL						L	OAD FAC	TOR 015	TRIBUTE	04 (G)								
BLOCK	TIME (MIN.)	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.60	4. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1./ 2.0	
1 2	0.19	49						2		10	10	13	2	1	2		- 1			
1 3	0.60	450			7	4	21	48	76	73	61	6.5	14	23	16	14	7	1		
1 4	0.79	552	1	5	17	16	21	52	49	75	63	10	45	40	21	17	13		1	
1 5	0.75	5.3	1	5	7	1.8	28	51	64	67	62	80	4.0	35	16	14	5	2		
1 6	0.50	375					1.7	30	61	57	70	30	30	16	11		1.2	\$		
2 3	0.35	213	2		4	3	11	7	10	42	39	29	13	10	7			ī		
2 4	0.10	71	-	1	i	2		10	11	9	12	- 1	- 4	Š	1	ĭ	-			
7 5	0.05	26					ĭ	1	2	7	ī		1	3		1	1			
3 4	0.05	30					•	2	T.	12	•	,	j			_	•			
3 10	0.05	30						-	7	ii	i	ż	ī			2	,			
4 1	0.10	72				1		1	Ā	22	31		i			•				
	0.05	44				i	,		ī					,	;					
- 1 - 1	0.05	50		- ;	•	•	ì	į	- 11		1	,	18			•				
- 1	0.05	47		•	•	1	i	Á	14	•		•			ï		;			
7 1	0.05	34		,	í	;	I	- 1			i i	- 1	í	2	;	•	•			
7 4	0.03	40	•	•	•	•	- 1		ź	,			;		•		•			
TOTAL	3.45	2604		13	50	54	120	233	399	405	407	341	110	153		4.5	47			

# TABLE CAPE DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAXI MISSION PHASE FOR DATA ACQUIRED AT TULSA INTL, ORLANGRA

CM-LA	DLOCK	TOTAL							AB FACT	IN DES!								
BL OCK	TIME	PEAKS	0.0 0.1 0.5	0.4	0.7	0.75	0.00	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0	
1 4	(MIN.)	1053						,	41	342	597	48	2					
TOTAL	15.84	1053						2	äi	342	597	64	ž	i				

#### TABLE C69b DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAKE-OFF RUM RISSION PHASE FOR DATA ACQUIRED AT TULSA INTL. ORLANDMA

CH-FW		TOTAL								TOR DIS							
HENCK	TIME	PFAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 4	(MIN.)	588					10	24	63	417	160	117	42	20	•		
TOTAL	0.66	500					10	34	9.2	117	140	117	42	20	Ă		

#### TABLE C69c DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING ROLL-OUT HISSION PHASS FOR DATA ACQUIRED AT TULSA INTL. ORLANDRA

CH-FW	PLOCE	TOTAL						L. Li	DAD FACI	OR DIST	RIBUTIO	M (C)						
PF UC K	TIPE	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0	
	( M94. )																	
1 4	1.20	1162			1	1				372	363	196	37	9	ı			
TOTAL	1.20	1102			1	1	3	43	134	372	363	196	37	9	t			

#### TABLE C694 DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TOUCH-AND-GO GOLL MISSION PHASE FOR DATA ACQUIRED AT TULSA INTL. ORLAHOMA

CW-	FW	BLOCK	TOTAL							DAD FACT	TOR 015	TRIBUTIO	ON EG)						
BLC	XX.K	TIME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0. 80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0	
		(MIN.)																	
1	3	1.63	1887		5	17	24	57	117	214	378	395	309	129	120	44	43	3	
1	•	1.50	1706			1	6	40	80	229	437	393	327	120	51	11	3		
- 1	5	2.33	1569				1	16	75	234	545	481	160	46	7	i	3		
1	7	0.29	249			2	6	13	27	36	43	43	41	25	12	ı			
1		1.17	1925			ı	6	12	57	162	266	333	122	55	7	2	2		
	•	1.27	1044			1	1	9	21	84	392	418	102	11	3	2	2		
TOT	AL	8.47	7480		7	22	44	143	345	941	2061	2043	1041	366	206	0.3	51	1	

## TABLE C690 DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT MISSION PHASE FOR DATA ACQUIRED AT TULSA INTL, ORLANDRA

LW-FW	BLOCK	TOTAL						L	DAD FAC	TOR DIS	TRIBUTE	04 (6)							
BLOCK	TEME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.87	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1.7 2.0	
	(MEN.)																		
1 )	0.35	320		3	1	4	11	16	54	71	64	41	30	17	7	4	1		
1 4	0.40	349			i i	10	13	20	43	71	50	63	39	11	•	•	2		
1 5	0.25	190			3	3	3	10	20	49	54	23	7	3	1	1	i i		
1 7	0.61	54						2		15	15	•	9	3	1	1			
ı •	0.20	107			1	2	5	16	84	34	42	24	10	9	2	ż	ı	1	
1 9	Gu 20	130			1		4	2	19	33	34	20	9	3	Ž	1			
JATCT	1.45	1222		1	7	21	34	76	174	273	268	182	100	42	19	13		1	

## TABLE C70a DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAXI RISSION PHASE FOR DATA ACQUIRED AT UBON A/D, THAILAND

CM-FM	RLOCK	TOTAL						L	DAD FACT	IOR DIST								
BLCCK	TIME	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0. 80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0	
	( MEM. )																	
2 7	4.78	78							2	76	19	ı						
) 2	6.33	1227					1	25	163	465	482	79	11	1				
TOTAL	11.11	1925					1	25	165	541	501	60	11	- 1				

# TABLE C70b DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAKE-OFF RUM HISSION PHASE FOR DATA ACQUIRED AT USIN A/D, THAILAND

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CM-FW	BLOCK	T"TAL						L	DAD FAC	TOR DIS	re I BUT I	ON (6)						
BLUCK	114	PEARS	0.0 0.3 0.5	0.6	7.7	0.75	0.80	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1.7 2.0
	(MIN.)																	
2 7	0.53	579		1	13	23	46	53	79	64	102	66	66	42	16	4	1	1
TOTAL	0.53	579		1	13	23	46	53	79	64	102	66	66	42	1.0	4	l.	i

#### TABLE C70c DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING RILL-OUT MISSION PHASE FOR DATA ACQUIRED AT UBIN A/D, THAILAND

CH-F.	HLOCK	TOTAL								TOR DIS							
BLOCK	TIPE	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	P. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 2	0.73	623				•	20	53	134	74	197	74	22	14			
FATAL	0.13	623			i	i	20	53	134	74 74	197	76	22	iš	5	- 7	i

## TABLE C70d DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING IMPACT MISSION PHASE FOR DATA ACQUIRED AT USON A/D, THAILAND

CW-FW	PLOCK	TOTAL						L	DAD FACT	OR 015	1 1 BUT 1	DN 161					
OL OC R	(MIN.)	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0.85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
3.2	0.85	44	1	1	5	5	7	4	5	1	3	3	2	2	1	3	3
TOTAL	0.03	44	1	1	5	5	7	4	5	1	3	7	2	2	ı	3	>

# TABLE C71s DISTRIBUTION OF GROUND LOAD FACTORS FOR THE FAIL RISSING PHASE FOR DATA ACQUIRED AT MAKE AIRPORT, MAKE ISLAND

CW-FW	BLOCK	THTAL						L	DAD FACT	OR DES	TRIBUTIO	16) 16					
BLOCK	TEMP	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0. 05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 4.0
	(MIN.)																
2 2	5.03	3								2	. 3						
2 3	11.01	188								84	98	6					
2 9	7.24	356							61	119	141	24	2	1			
2 10	27.32	2630				1	5	39	333	917	1045	253	31	1	Z		
3 2	4.38	0															
3 3	29.28	126							•	51	62	5					
3 8	11.65	- 61								29	31	ı					
3 9	7.05	701					2	5	12	253	5 80	44	10		1		
3 10	45.57	2212					2	17	155	911	932	185	11	2			
4 2	1.41																
4 3	2.30	•									•						
4 7	4.78	5															
• •	4.40	1103					•	31	133	315	419	167	28	4			
4 10	4. 38	514					1		41	256	189	22	Z	ı			
5 3	6. 99	60							•	26	23	•					
5 9	10.30	177							i.	64	102	5		_			
5 10	5.70	1079			5	3	31	26	140	332	324	127	57	17	10	3	
7 4	9.60	34								4	3.0	1					
7 9	14.56	543			_					116	175						
TOTAL	215.03	9544			7	4	50	124	960	3484	3860	957	149	32	14	3	

#### TABLE C716 PISTRIBUTIO I DE GROUND LOAD FACTORS FOR THE TAKE-OFF RIM MISSION PHASE FOR DATA ACQUIRED AT WARE AIRPORT, MARE ISLAND

CW-FW	BLOCK	I III TAI						L	DAD FAC	IN DIS	TRIMITE	IN (G)							
HEREK	TEM:	PEAK	0.0 0.3 0.5	0.6	G. 7	0.75	0.80	0.45	0.90	0.95	1.05	1.10	1.15	1 . 30	1.25	1.3	1.4	1.5 1.7	2.0
2 10	2.02	530 1974	3	5	40	50	17	131	207	117 251	134	185	144	12	7	24	2	1 1	
3 8	0.55	600			1		15	16 35	29	157	185	56 75	20	25	13	,			
1 10	4.00	3040	1	•	19	20	95	174	401	620	695	555	263	105	34	20	ž	•	
10	0.54	418		3	1	3	11	43 21	78	92	138	67	36	14	:	1 2	2	'	
5 9	0.61	474	1	1	4	•	23	55	6.1	59	93	74	46	17		2	•		
5 10	0.55	549 1105	1	3	15	11	20	100	100	38 209	208	92 197	48	22 41	20	10	- ¦		
2 17 A4	11.17	DA DS		24	94	133	144	474	1 440	1462	2104	1543	777	344	114	7.1	1 4		

#### TABLE C71c DISTRIBUTION OF GROUNG LOAD FACTORS FOR THE LANGING ROLL-DUIT MISSION PHASE FOR DATA ACQUIRED AT HAKE AIRPORT, MARE ISLAND

1 W-FW		FIFAL								L	NAD FAC	TOR DIS	TR 1 8UT 1	DN (5)						
HT UCK	TIME	PF AK C	0.0	0.3	C.5	0.6	0.7	0.75	0. RO	0. 65	0."	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1.7 2.0
	[ = [ N . ]																			
2 /	1.17	230			L			1	R	5	15	85	113	31	12	,	5	3	3	1
2 1	1.63	1875		- 1	4	4	12	1.0	28	51	167	559	641	237	62	19	16	24	é	i
1 2	0.47	167				ĩ	2		1		2)	6.9	56	10	- 7	1		• •	•	•
3 3	3.51	4770				ž	12	23	49	116	354	767	929	321	49	40	14	21	•	•
4 3	1.10	276				_	• •	• • •		7	11	56	94	17	7.0	-		~;	•	•
4 7	0.99	257								i	3+	66	92	35	12	- 1	÷	- :		
	1.94	727							14	1.5	45	224	253	92	28			•		
íi	1.90	1038					7		- 13		106	31.0				14		4		_
•								•	. *	~ 1			218	249	76	30	7			2
TOTAL	17.24	7350		ı	- 5	9	10	53	108	228	779	2160	2396	1012	289	1 39	65	52.	15	•

#### TABLE C71d DISTRIBUTION OF GODINO LOAD FACTORS FOR THE LAMBING IMPACT MISSION PHASE FOR DATA ACQUIRED AT MARE AIRPORT, MAKE ISLAND

CW-FW	BLOCK	TOTAL							L	DAD FAC	TOR 015	TRIBUTE	OH (6)							
ME OCK	Tame	PEAKS	0.0 0.3	0.5	0.4	0.7	0.75	0.80	6. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5	1.7 2.0
	(REN.)																			
2 2	0.05	54		1	L	2	2	1	7	4	•	4			3	3	2	3	1	
2 3	0.15	148	ı	2	2	•	•	•	10	20	35	16	12	19	10	6	12	2		
3 2	0.35	4.5			1	3	1	2		6	2		4	7	2		- 1	_		
3 3	0.30	309	1	3			7	20	18	92	45	42	30	17	15	20	17	6	2	
4 1	0.65	52				2	2	2		10	4	2			4	2	3	1		•
4 7	0.05	31		- 1	3	4	2	3	3	3	1		1	3	i	1	i			
5 3	0.10	104		1			5	Á	14	Ă	13		ı i	•	10	Ä	÷	,	•	
7 4	0.10	122		2		1	5	Ă	7	1.6	21	Š	iš	j	10	13		- :		
THTAL	0.85	882	2	•	13	34	30	49	72	121	125	85	63	76	55	51	51	21	4	1

### 

	BATA	40 004	ERED AT
rum.	DAIR	~~	SMED W
-	TE EL US	880	LIBYA

BLOCK	TOTAL					- 1	DAD FAC	TOR 0151	RIBUTIO	16) PE						
TIME	PEAKS	0.0 0.3 0.5	0.6 0	.7 0.75	0.00	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0	
( M9M. )																
1.00	3								1							
7.53	L								1							
9.33	4							2	2							
								_								
	TIME { MSM. } 1.00 7.53	TIME PEAKS (MIN.) 1.00 3 7.53 L	TIME PEARS 0.0 0.3 0.5 (HIM.) 1.00 3 7.53 L	TIME PEARS 0.0 0.3 0.5 0.6 0 (HIN.) 1.00 3	TIME PEARS 0.0 0.3 0.5 0.6 0.7 0.75 (RNL) 1.00 3 7.53 L	TIME PEAKS 0.0 0.3 0.5 0.6 0.7 0.75 0.00 (HIN.) 1.00 3 7.53 L	TIME PEARS 0.0 0.3 0.5 0.6 0.7 0.75 0.60 0.89 (HNL) 1.00 3 7.53 1	TIME PEARS 0.0 0.3 0.5 0.6 0.7 0.75 0.60 0.85 0.90 (HNL) 1.00 3 7.53 L	TIME PEARS 0.0 0.3 0.5 0.6 0.7 0.75 0.00 0.05 0.90 0.95 (HNL) 1.00 3 7.53 1	TIME PEARS 0.0 0.3 0.5 0.6 0.7 0.75 0.00 0.05 0.90 0.95 1.05 (UNL) 1.00 3 2 1 7.53 1	TIME PEARS 0.0 0.3 0.5 0.6 0.7 0.75 0.00 0.05 0.90 0.95 1.05 1.10 (RUN.) 1.00 3 2 1 7.53 1	TIME PEARS 0.0 0.3 0.5 0.6 0.7 0.75 0.00 0.09 0.90 0.05 1.05 1.10 1.15 (HNL) 1.00 3 2 1 1.00 3 7.53 1	TIME PEARS 0.0 0.3 0.5 0.6 0.7 0.75 0.00 0.05 0.90 0.95 1.05 1.10 1.15 1.20 (HNL) 1.00 3 2 1 7.53 1	TIME PEARS 0.0 0.3 0.5 0.6 0.7 0.75 0.00 0.05 0.00 0.05 1.05 1.10 1.15 1.20 1.25 (NN.) 1.00 3 2 1 7.53 1	TIME PEARS 0.0 0.3 0.5 0.6 0.7 0.75 0.00 0.05 0.90 0.05 1.05 1.10 1.15 1.20 1.25 1.3 (RUL) 1.00 3 2 1 7.53 1	TIME PEARS 0.0 0.3 0.5 0.6 0.7 0.75 0.00 0.09 0.90 0.05 1.05 1.10 1.15 1.20 1.25 1.3 1.4 1.5 1.7 2.0 (HN.) 1.00 3 7.53 1

#### TABLE C72b DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TAKE-OFF RUM MISSION PHASE FOR DATA ACQUIRED AT WHEELUS AB. LINYA

CH-FW	BLOCK	TOTAL							DAD FACT										
BL OCK	TIME	PFAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0. 05	0.90	0.95	1.05	1.10	1.15	1.20 1	.25	1.3	1.4 1.	5 1.7	20
	(MIN.)																		
3 8	0.49	334					5	2	31	137	124	35	3		1				
TUTAL	0.49	330					5	2	31	137	124	35	3		ı				

### TABLE C72c DISTRIBUTION OF GROWN: LOAD FACTORS FOR THE LANDING ROLL-BUT HISSION PHASE FOR DATA ACQUIRED AT MHEELUS AR, LIRYA

CW-FW	RLBCK	TOTAL						- 10	IAD FAC	TOR DIST	RIBUTIO	M (G)				
BL OC ≥	L B bee.	PFAKS	0.0 0.3 0.5	0.6	0.7 (	0.75	0.00	0. 97	0.90	0.95	1.05	1 - 10	1.15	1.20	1.25	1.3 1.4 1.3 1.7 2.0
4 3	0.45 0.45	337 337						15	79	64	126 126	40	12	5	1	

# TABLE C.2d DISTRIBUTION OF GROWND LOAD FACTORS FOR THE LANDING IMPACT MILSION PHASE FOR DATA ACQUIRED AT WHEFEUS AB., LINYA

CH-FW	BLOCK	TOTAL						Ł		OR DIST	REBUTEO	M (G)						
AL DC K	11ml	PFAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0. 65	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3 1.4 1	.5 1.7	2.0
	(MIN.)																	
4 3	0.05	35						1	1			3		1	1			
TOTAL	4.45	35						3	l l	i		5	•	Ĭ	i			

### TABLE C73a DISTRIBUTION OF GROUND LOAD FACTORS FOR THE TOUCH-AND-GO ROLL MISSION PHASE FOR DATA ACQUIRED AT WHITFMAN AFB, MISSOURI

	BLOCK	TOTAL								THE DEST								
NL DC K	TEMP	PFAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0. 45	0.70	0.75	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7	2.0
	(HPH.)							1.10				10.5						
1 3	0.28	196				3	2	10	33	52	38	36	13		1			
1 4	1.04	731			1	10	24	49	127	156	102	108	45	27	7			
1 5	0.66	351			1	4	5	24	52		82	44	39	79				
TOTAL	1.98	1270			2	17	31	05	207	288	302	193	97	44	12			

## TABLE C73b DISTRIBUTION OF SEQUEND LOAD FACTORS FOR THE LANDING SEMBLET HISSION PHASE FOR DATA ACQUIRED AT MHITFRAN AFR. PSSSCHR.

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CW-FW	BLOCK	TOTAL						Ł	DAD FAC	77R DES	TR 18071	M (6)								
BT OCK	1   PF (PT4.)	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	9. 85	0.90	9-95	1.05	1.10	1-15	1.20	1.25	1.7	1.4	1 - 5	1.7 2.0	
1 3	0.03	31				1			10	31	•	2		1		1				
1 4	0.20	153			1	1	5	10	26	31	34	21	13	•		ı		1	1	
1 5	0.10	42	1	1			1		2	•	•	•	3	2	1		1			
TOTAL	0.35	234	1	i	1	2	6	14	16	30	49	29	14	11	l	L	1	1	1	

276

#### TABLE CT46 DISTRIBUTION OF GROUND LOAD PACTORS FOR THE FOR DATA ACCUSED AT HIS REAL PACTORS AT THE PACTORS AT THE PACTOR AT THE

CW-FW	BLBCK	TOTAL								TM 0151							
BL OCK	TIME	PEARS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	( MBM . )																
1 6	4.69	0															
3 6	4.33	0															
TOTAL	9.02	0															

#### TABLE C746 DISTRIBUTION OF SHOUND LOAD FACTORS FOR THE TAKE-OPF NUM RISSISM PHASE FOR DATA ACCUSAGE AT WILKES-BARNE-SCRINTON, PERHSYLVANIA

CH-FM	BLOCK	TOTAL								TOR DIST								
BLOCK	TIME	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0.65	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.	0
	( MIN. )																	
3 6	0.41									•	•							
TOTAL	0.41									4	•							

### TABLE C74c DISTRIBUTION OF COMMO LOAD FACTORS FOR THE LANDING ROLL-OUT MISSION PHASE FOR DATA ACQUIRED AT WILKES-CARGE-SCRAWTON, PRINSYLVANIA

CW-FW	BLBCK	TUTAL									MO FACT										
BLOCK	TIRE	PEARS	0.0	0.3	0.5	0.4	0.7	0.75	0. 80	0. 05	0.70	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 L.	7 2.0
	(190.)																				
1 6	0.47	85								1	•	37	39	•	1						
TOTAL	0.07	85								1	4	37	39	3	1						

#### TABLE C744 DISTRIBUTION OF SECURE LOAD FACTORS FOR THE LAMBING IMPACT RISSISM PMASE FOR GATA ACQUIRED AT VILRES-BARRE-SCRANTON, PRINSYLVANIA

CW-FW	BLOCK	TOTAL						L	DAD FACT	OR 9151	RI BUT II	M (6)					
BL OC E	T BAVE	PEARS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	6. 05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(#94.)																
1 4	0.05	16					1		1	1	5		2	2	1	2	1
TOTAL	0.03	14					1		1	1	5		2	2	1	2	1

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## TABLE CTIC DISTRIBUTION OF CREAMS LONG PACTORS FOR THE TANK RESERVED AT FOR DATA RECUMBED AT WRIGHT-PHTTERSON AND, ENTO

CH-FW	BLOCK	TOTAL						u	140 FAC	ren 917	TR   CWT	D (6)					
BLOCK	TIME	PEAKS	0.0 0.3 0.5	0.6	0. T	0.79	0. 90	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.0 1.5 1.7 2.0
	(MEN.)																
1 4	15.34	879							3	227	200	73					
1 7	9.12	596							13	210	295	15					
3 9	7.99	482							2	244	134						
TOTAL	82.47	1897							20	499	1007	05					

CH-FW	BLOCK	TOTAL						L	140 PAC	TON 915	TA I OUT 1	m (6)					
BLOCK	TIME	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	0. 85	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.)	1.4 1.5 1.7 2.0
	(MPH.)																
1 6	1.51	139								99	13	•				1	
1 7	0.34	347			1		ı	•	30	141	'H	34	14			i	
TOTAL	1.05	488			L		1		31	196	100	47	14			2	

### TABLE C754 DISTRIBUTION OF SAME LOAD PACTORS POR THE LANDING ROLL-BUT MISSION PHASE FOR DATA ACQUIRED #5 URIGHT-PATTERSON APS, 0H10

CW-FW	BLOCK	TOTAL							DAD FAC								
BLOCK	TIME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.00	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.7	1.4 1.5 1.7 2.0
	( MDM. )																
1 6	0.01	732					3	19	85	247	173	147	90	10	1		
3 1	0.90	574				1	3	14	94	219	107	44	5	1			
TOTAL	1.71	1304			2	1	•	99	176	444	340	193	35	11	1		

#### TABLE C754 DISTRIBUTION OF SEGUND LOAD FACTORS FOR THE LAMBING IMPACT WISSIGN PMASE FOR DATA ACQUIRED AT WRIGHT-PATTERSON AFD, GHIO

CM-FM	<b>ALOCK</b>	TOTAL							BAO PAG								
BLOCK	T DOSE	PEAKS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	0, 05	0.90	0.95	1.05	1.10	1-15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 6	0.05	73 42							13					1	3		
TOTAL	0.10	115			5	1	5	•	21	21	15	53	10	•	5		

#### TABLE C76a DISTRIBUTION OF BROWND LOAD FACTORS FOR THE TATI RISSION PHASE FOR DATA ACQUIRED AT VIKOTA AB. JAPAN

CU-FU	BLOCK	TOTAL									040 PAG	TOR 911	TRIOUTI	- (4)							
91 OCE	1386	PEARS	0.0	0.3	0.5	0.4	0.7	0.75	1.10		0.90	0.95	1.05	1.10	1.19	1.26	1.25	1.3	1.4	1.5 1.7	2.0
	( m(m. )												••••						•••		
1 3	25.10	1270								4	111	596	402	26							
1 4	45.40	2070								3	107	177	1000	100	7						
1 5	41.64	1940								1	71	737	714	25	-						
1 .	4.00	523										200	101	25							
1 7	0.52	10										•	12								
1 •	4.27	101									2	152	144								
1 10	83.93	4227								15	141	1554	2311	194	•				1	2	
2 3	5.00	- 01									1	34	44	2					-		
	23.07	417									•	197	210	•	1						
1 1	10.26	381									7	113	102	_	_						
	6.06	200									1	105	172	11							
2 10	01.17	2177								1	66	911	1197	40							
1 1	29.30	1990							1	•	05	304	592	139	29	•					
3 4	29.99	776									16	304 334	592 347	7							
3 1	1.91	•										1									
	13.44	601									1	190	405	5						2	
	9.49	226								1	•	207	305	7						_	
3 10	100.00	3100						1	•	20	159	1325	1441	112	16	7	1				
4 3	14.61	1 200							ı	•	190	499	400	50	2						
• •	11.07	204									11	115	79	5							
4 7	9.01	73										- 40	12								
• •	14.20	1 204								1		593	663	19							
• •	10.95	100 100 100									20	510	223	19							
. 10	91.08	901									19	369	400	•							
	10.40	100									ı	11	34	•							
3 4	10.07	199									2	91	145								
	0.44	363									•	173	102	•							
•	0.31	394									29	183	133	4							
5 9	3.91	115										50	95								
1 10	49.00	1410								5	15	530	010	44	ı						
TOTAL	791.94	30302						L	•	64	1131	10765	13335	005	41	11	ı		1	4	

#### TABLE C766 PISTRIBUTION OF SAGAND LOAD FACTORS FOR THE TAKE-PFF RUN RISSION PHASE FOR PATA ACQUIRED AT YORITF AS, JAPAN

									1021111	,										
CW-		PLOCE	1014						L	040 FAC	TOR 915	-	OH (6)							
94.	*	1 2000	PEARS	4.0 6.3 0.5	0.6	0.7	0.75	0.80	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4	1.5 1	.7 1.0
		( m( m. )																		
ı		0.44	837					4	29	-	136	164	79	39	•					
- 1	•	0.32	170						14	69	79	101	73	15	2					
ı	10	5.01	4475			13	29	- 84	282	678	1051	1003	776	354	112	23	10	•		
	•	0.94	244			1			•	35	52	90	93	22	1	ı	1			
2	10	10.56	4904	1		34	60	142	377	715	1190	1073	034	332	199	62	43	•	ı	
		0.99	1001				2	•	26	1 30	309	215	148	58	19		ı	1		
	*	1.20	1501				3	20	91	206	360	382	179	80	15	4				
3	13	4.44	4140		ı	11	32	114	320	790	896	1091	405	229	95	37	11			
4		0.96	804			1		9	34	124	190	224	211	11	11	•	1			
•	•	0.44	947	1	2	2	•	21	73	134	. 61	48	100	50	11	5		1		
•	10	3.14	\$345	1		•	•	33	130	497	501	620	436	122	15	10	•			
•	1	4.63	531					3	24	87	191	157	- 00	1.7	•					
•		0.64	379			4		21	55	102	101	119	100	45	•	•	1			
	•	0.45	007				•	41	94	130	150	191	148	47	14	15	3			
	10	8.97	2994			•	•	20	151	423	761	123	612	203	36	19	29	1		
TU	4	34.04	50001	,	13	74	181	384	1714	4190	9973	4502	4533	1007	919	179	107	14	2	

#### TABLE CTA: DISTRIBUTION OF SMUMB LOAD FACTORS FOR THE LAMBING ROLL-BY MISSION PHASE FOR DATA ACQUIRGO AT VORDTA AS, JAPAN

CW-FW	BLOCK	TOTAL						· ·		TOR 015	TRIBUTI	en (6)					
DL OCK	T BINE	PEARS	0.0 0.3 0.5	0.4	0.7	0.75	0.00	0.05	0.90	0.95	1.09	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(																
1 )	1.91	1371			1		20	96	233	233	394	249	101	29	•	4	
1 4	7.24	4966			•	20	61	217	628	1340	1900	689	315	91	21	16	2
1 5	4.24	3057					97	112	373	774	1120	471	104	36	•	5	
2 3	0.78	495					2	7	40	272	270	60	15				
2 4	3.10	1991					7	37	261	670	632	296	70	15	2	1	
2 5	1.12	010		1	•	12	33	74	100		299	100	42	23	7		1
3 1	1.15	574					3	10	59	173	199	90	22		1	1	
3 4	5.14	3976			•	19	99	174	515	1230	1263	405	103	6.0	13	Ť	3
3 5	0.62	600			5		10	30	190	130	103	120	34	13	4	2	
4 1	1.79	1999		2			24	110	244	307	333	234	111	41	21	•	
	1.05	1097		2	•	4	10	48	204		994	242	-	10	•	2	
4 1	1.13	396		-		i		24	119	233	70	104	31	ii	ž	_	1
5 3	3.00	2344				2	24	75	278	722	711	390	196	29	ě	1	
9 4	1.59	1306			1	•	21	41	225	154	304	287	90	24	•	Ă	
TOTAL	35.02	25700		9	39	85	339	1091	3925	7151	7854	3740	1292	405	103	92	7

### TABLE C764 DISTRIBUTION OF SERVING LONG PACTORS POR THE LANGING INFOCT HISSIGN PHASE FOR SATA ACQUINGS AT VOKOTA AS, AMPAN

CW-		BLUCK	TOTAL								L		TER 915	TR 1 (1) T									
er e	K	(MM.)	PFARS	0.0	•. 3	•.5	0.4	0.7	0.75	0.00	4, 05	0.70	9.95	1.05	1.10	1.15	1.30	1.89	1.3	1.4	1.5	1.7	2.0
1	,	0.15	157			1	1	ı		•	21	25	15	23	22	1.2		•	•	4	1		
ì	4	0.45	447			2	2	17	10	19	20	92	90	78	22	41	23	10	19	i	i		
L	3	0.25	212					1	7		17	31	17	39	24	19	12			•			
2	3	0.35	63						2	7	•	•	3	•	11	Ĩ.	7	Ĭ	ī				
2	•	0.20	179					2	2	3	LD	19	49	48	29	•	•	1	9				
2	•	0.10	114					,	9	•	13	13	7	13	10	13	•	•		3			
•	3	0.05	33					2	2	•		•	13			•		1			2		
3	4	0. 10	320			1	3	•	19	19	20	99	90	91	49	14	11	13		L			
3	•	0.05	47		1			2		3	5		9	•	•	9	3	1	2	ı	2		
4	,	0.10	112	1		•	2	2	ı	•	11	24	14	•	•	13	•	•	7	3	3	ı	ı
•	•	0.15	100					2		10	19	24	24	20	39	18	•	•	10	•			
•	7	0.05	45			1		•	2	7	•	•	9	•	•	•	•	•	•				
9	3	0.20	230			2	1	•	•	17	20	**	29	24	26	53	1.	1	•	•	1		
	•	0. 10	114	_			. 1	7	•	•	•	19	11	17	15	10		•	•		_		
111	at.	2.20	1115	1	- 1	11	12	95	97	129	300	327	340	320	312	220	119	•1	95	23	•	•	1

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280

## TABLE C77s DISTRIBUTION OF SECURE LOSS FACTORS FOR THE TAXE RISSISS PASSE FOR DATA ACCUMEND AT YOURSTOWN RURE, CHID

1.15 1.20 1.25 1.3 1.4 1.5 1.7 2.0

#### TABLE C77b DISTRIBUTION OF SAME LOAD FACTORS FOR THE TAKE-OFF NUM BISSION PRASE FOR CATA_ACCUSEDED AT. YOUNGSTONN RURS; ONTO

CH-PH	BLOCK	TOTAL	LOAD FACTOR DISTRIBUTION (6)														
BLOCK	TOME	PEAKS	0.0 0.3 0.5	0.6	0.7	0.75	0.80	0.05	0.90	0.95	1.05	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
1 5 TOTAL	(MM.) 0.33 0.33	135			2		1	;	;	44	51 51	13	:				

# TABLE C77c DISTRIBUTION OF SHOUND LOAD FACTORS FOR THE LANDING ROLL-OUT HISSIGN PHASE FOR DATA ACQUIRED AT YOUNGSTOWN RUNE, ONTO

CW-FW	BLOCK	TOT AL		LOAD FACTOR DISTRIBUTION (6) 0.0 6.3 0.5 0.6 0.7 0.75 0.00 0.05 0.00 0.05 1.09 1.10 1.15 1.20 1.25 1.3 1.4 1.5 1.7 2.0													
BLOCK	T BINE	PEAKS	0.0 6.3 0.5		0.7	0.75	0.80	0. 05	0.90	0.95	1.09	1.10	1.15	1.20	1.25	1.3	1.4 1.5 1.7 2.0
	(MEN.)																
1 6	0.39	201					4		27	53	40	.50	- 11	•	•		
TOTAL	0.39	201					4		27	53	48	40	11	•	4		

# TABLE C774 DISTRIBUTION OF GROUND LOAD FACTORS FOR THE LANDING INFACT RISSION PHASE FOR DATE AGAINED AT YOUNGSTONN NUMB, OHIO

TOTAL | LGAD PACTOR DISTRIBUTION (6) | PEARS | 0.0 0.3 0.5 0.6 0.7 0.75 0.60 0.05 0.00 0.05 1.05 1.10 1.15 1.20 1.25 1.3 1.4 1.5 1.7 2.0

PROCERDING PAGE MANK - NOT FITHER

#### APPENDIX D ATMOSPHERIC TURBULENCE STUDY DATA

TAB. E D1

List of Routes Over Which Atmospheric
Turbulence Study Data was Acquired

	Total Time	Total Distance
Route Flown	(Hours)	(Nautical Miles)
Alexander NAC Collicemia (Inc.)	A 77	202.0
Alameda NAS, California - (local)	0.77	283.0
Alameda NAS, California - Classified	8. 20	2894. 1
Anderson AB, Guam - Yokota AB, Japan	1.18	485.3
Anderson AB, Guam - Kadena AB, Okinawa	6.63	2642.8
Anderson AB, Guam -		
Mactan Island A/D, Cebu, Philippines	3.50	1375.4
Anderson AB, Guam -		
Saigon, Tan Son Nhut A/D, Vietnam	9.67	4221.9
Anderson AB, Guam -		
Don Muang A/D, Bangkok, Thailand	6.76	2851.5
Andrews AFB, Washington D. C		
Robins AFB, Georgia	1.61	642.8
Andrews AFB, Washington D. C		
McGuire AFB, New Jersey	0.65	166.6
Andrews AFB, Washington D. C		
Rhein Main A/D, Germany	8. 59	3746.0
Andrews AFB, Washington D. C		
Howard AFB, Canal Zone	5. 18	2224.9
Ascension Islands, South Atlantic -		
Zandery AD, Surinam	3.80	1647.0
Ascension Islands, South Atlantic -		
Guararapes, Recife, Brazil	3.07	1226.2
Asuncion, Paraguay - Buenos Aires, Argentina	1.77	650.7
Birmingham Municipal, Alabama -		
McCoy AFB, Florida	1.15	423.8
Brazilia, Brazil - Rio De Janeiro, Brazil	1.22	579.0
Buckley ANG Base, Colorado - (local)	2.04	701.0
Caracas, Venezuala - Brazilia, Brazil	4.89	2118.2
Charleston AFB/Municipal, South Carolina -		
(local)	287.77	72919.0
Charleston AFB/Municipal, South Carolina -		
McGuire AFB, New Jersey	9. 21	3176.7
Charleston AFB/Municipal, South Carolina -		
Quonset Point NAS, Rhode Island	2.55	839.8
Charleston AFB/Municipal, South Carolina -		
Griffis AFB, New York	1.74	687.1
Charleston AFB/Municipal, South Carolina -		
Dobbins AFB/NAS, Georgia	4. 93	1477.1
Charleston AFB/Municipal, South Carolina -		
Langley AFB, Virginia	1.11	366. 1

	Route Flown	Total Time (Hours)	Total Distance (Nautical Miles)
	Charleston AFB/Municipal, South Carolina -		
	Elgin AFB, Florida	6.31	2430.0
	Charleston AFB/Municipal, South Carolina -		
	Laurence G. Hanscom Field, Massachusetts	1. 91	736.2
	Charleston AFB/Municipal, South Carolina -		
	Seymour Johnson AFB, North Carolina	0.65	213.8
	Charleston AFB/Municipal, South Carolina -		
	Rhein Main A/D, Germany	8. 78	3763. 3
*	Charleston AFB/Municipal, South Carolina -		
	Torrejon De Ardoz AB, Spain	32.01	13499.5
	Charleston AFB/Municipal, South Carolina -		
	Rota NS, Spain	8. 91	3757. 2
	Charleston AFB/Municipal, South Carolina -	0 ( )	27/0 -
	Toul Rosieres AB, France Charleston AFB/Municipal, South Carolina -	8.63	3760. 3
	Howard AFB, Canal Zone	9. 16	3693.4
	Charleston AFB/Municipal, South Carolina -	9. 10	3071.4
	Zandery AD, Surinam	6.69	2688.6
	Charleston AFB/Municipal, South Carolina -	0.07	2000.0
	Guararapes, Recife, Brazil	8.82	3766.6
	Chateauroux AB, France - Lajes A/D, Azores	4.01	1835. 2
	Clark AB, Philippines - (local)	4.22	1717.8
*	Clark AB, Philippines - Anderson AB, Guann	29. 37	11886.4
*	Clark AB, Philippines - Yokota AB, Japan	94.61	39761.2
	Clark AB, Philippines - Kadena AB, Okinawa	14.19	5878.4
	Clark AB, Philippines -		
	Mactan Island A/D, Cebu, Philippines	4.57	1902.4
炸	Clark AB, Philippines -		
	Saigon, Tan Son Nhut A/D, Vietnam	79. 91	32150.6
	Clark AB, Philippines -	11.50	4005 0
	Don Muang A/D, Bangkok, Thailand	11.59	4905.9
	Clark AB, Philippines - Pleiku A/D, Vietnam	3. 98	1470.0
	Clark AB, Philippines - Ubon A/D, Thailand Clark AB, Philippines - Udorn A/D, Thailand	2. 97 3. 00	1234. 1 1276. 8
	Dhahran A/D, Saudi Arabia -	3.00	1270.0
	Karachi Civil A/D, Pakistan	8.24	3371.1
*	Don Muang A/D, Bangkok, Thailand -	J. 2.	55,1,1
	New Delhi/Palam A/D, India	22.80	9687.3
	Dover AFB, Delaware - (local)	281.57	76821.1
非	Dover AFB, Delaware -		
	Charleston AFB/Municipal, South Carolina	27. 53	10331.3
	Dover AFB, Delaware -		
	McGuire AFB, New Jersey	0.51	118.1

Route Flown	Total Time (Hours)	Total Distance (Nautical Miles)
Dover AFB, Delaware -		
Quonset Point NAS, Rhode Island	0.88	297. 1
Dover AFB, Delaware -	0.00	271.2
Dobbins AFB/NAS, Georgia	16. 35	6222.6
Dover AFB, Delaware -	20.50	0000.0
Birmingham Municipal, Alabama	1.88	751. 9
Dover AFB, Delaware - McCoy AFB, Florida		843. 7
Dover AFB, Delaware - Norfolk NAS, Virginia		163.1
Dover AFB, Delaware -		
Lakehurst NAS, New Jersey	10.63	2789.6
Dover AFB, Delaware - Elgin AFB, Florida	2.18	870.1
Dover AFB, Delaware -		
Pope AFB, North Carolina	4.95	1314.6
Dover AFB, Delaware -		
Laurence G. Hanscom Field, Massachusetts	1.97	636.1
* Dover AFB, Delaware - Chateauroux AB, Fran	c <b>e 41</b> . 12	18130.9
Dover AFB, Delaware -		
Mildenhall A/D, England	16.61	7242.4
Dover AFB, Delaware - Lajes A/D, Azores	3.55	1565.9
Dover AFB, Delaware -		
Rhein Main A/D, Germany	7. 97	3257.2
Dover AFB, Delaware - Lyneham A/D, England	6.79	2920. 2
Dover AFB, Delaware - Bodo A/D, Norway	11. 91	5153.3
Elmendorf AFB, Alaska - (local)	0.87	301.7
Elmendorf AFB, Alaska -		
North Island NAS, California	5.00	2025. 7
* Elmendorf AFB, Alaska -		
Dover AFB, Delaware	157. 34	67083.3
* Elmendorf AFB, Alaska -		
Charleston AFB/Municipal, South Carolina	55.79	23542.7
* Elmendorf AFB, Alaska -		
McGuire AFB, New Jersey	24. 49	10301.7
Elmendorf AFB, Alaska -	15.05	/01- 4
Quonset Point NAS, Rhode Island	15. 95	6813.9
Elmendorf AFB, Alaska - Elgin AFB, Florida	8.35	3670.4
* Elmendorf AFB, Alaska -	24 72	100/5 0
Laurence G. Hanscom Field, Massachusetts	24.72	10365.3
* Elmendorf AFB, Alaska - Yokota AB, Japan	259. 32	111092.7
Elmendorf AFB, Alaska - Kadena AB, Okinawa El Paso International, Texas -	5.81	2455.6
Dover AFB, Delaware	8.15	2240 2
El Toro MCAS, California -	0.15	3349. 2
Kadena AB, Okinawa	12.82	5291.7
Madella AD, Okliawa	12.02	3671.1

Route Flown	Total Time (Hours)	Total Distance (Nautical Miles)
E 1 1 A DD I I I I I I I I		
England AFB, Louisiana -	1 40	500 5
Dobbins AFB/NAS, Georgia	1.40	508.5
Hickam AFB, Hawaii - (local)	3.01	823.6
* Hickam AFB, Hawaii -	70 (2	22040 2
Wake Airport, Wake Island  * Hickam AFB, Hawaii -	79.62	33948.2
Clark AB, Philippines	134. 27	57173. 2
* Hickam AFB, Hawaii - Anderson AB, Guam	98. 32	42179.8
* Hickam AFB, Hawaii - Yokota AB, Japan	22. 28	9332.6
Hickam AFB, Hawaii - Naha AB, Okinawa	7.72	3390.0
Hickam AFB, Hawaii -	1.72	3370.0
Christ Church, New Zealand	19. 55	8349.6
Hunter AFB, Georgia - McCoy AFB, Florida	0.77	250, 5
* Kadena AB, Okinawa -		230.3
Saigon, Tan Son Nhut A/D, Vietnam	21.32	8904.3
Kadena AB, Okinawa - Danang AB, Vietnam	3. 50	1344.8
Kadena AB, Okinawa -		
Don Muang A/D, Bangkok, Thailand	4. 16	1334.3
Kadena AB, Okinawa -		
Kimpo International Airport, Seoul, Korea	1.98	768.8
Karachi Civil A/D, Pakistan -		
New Delhi/Palam A/D, India	10.52	4039.6
Karachi Civil A/D, Pakistan -		
Nha Trang AD, Vietnam	2.86	1055.7
Kelly AFB, Texas - Alameda NAS, California	3.07	1254.8
* Kelly AFB, Texas - Elmendorf AFB, Alaska	76.18	32860.2
Kelly AFB, Texas - Scott AFB, Illinois	4.14	1637.4
* Kelly AFB, Texas - Dover AFB, Delaware	23.80	9879.0
Kelly AFB, Texas -		
Charleston AFB/Municipal, South Carolina	14. 33	5850.3
Kelly AFB, Texas - Hunter AFB, Georgia	2. 92	1145.7
Kelly AFB, Texas -	4 74	2047 2
Quonset Point NAS, Rhode Island	4.74	2047. 2
Kelly AFB, Texas - Hickam AFB, Hawaii	17. 92	7493.5
Lajes A/D, Azores - Sigonella A/D, Italy	5. 13	2159.5
Lowry AFB, Colorado - Dover AFB, Delaware	4. 22	1803. 2
McClellan AFB, California - Lowry AFB, Colorado	2.88	1096.3
McClellan AFB, California -	2.00	1070.3
Hickam AFB, Hawaii	1.07	456.5
McGuire AFB, New Jersey -	1.01	150.5
Griffis AFB, New York	0.95	312.3
McGuire AFB, New Jersey -	J. /J	J J
Hickam AFB, Hawaii	6.27	2709. 4
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Route Flown	Total Time (Hours)	Total Distance (Nautical Miles)
McGuire AFB, New Jersey -		
Mildenhall A/D, England	7.45	3278. 9
* McGuire AFB, New Jersey -		54.5.7
Rhein Main A/D, Germany	108.55	46861.9
Nellis AFB, Nevada -		1000117
Wake Airport, Wake Island	10.55	4724. 9
Norfolk NAS, Virginia - Lajes A/D, Azores	5. 26	2222. 7
North Island NAS, California -	3, 20	0000.
Charleston AFB/Municipal, South Carolin	a 4.84	1912. 7
Point Mugu NAS, California -		-/
Hickam AFB, Hawaii	6. 45	2777. 9
Rhein Main A/D, Germany	0.25	
Lyneham A/D, England	1.22	464.0
Rhein Main A/D, Germany - Bodo AD, Norw		2638.6
Rhein Main A/D, Germany -	,	
Goose Bay, Labrador	5.00	2169.6
Rio De Janeiro, Brazil - Asuncion, Paraguay		874.6
Robins AFB, Georgia - Dover AFB, Delawar		4952.5
Robins AFB, Georgia - McCoy AFB, Florida		323.1
Saigon, Tan Son Nhut A/D, Vietnam -		
Danang AB, Vietnam	0.96	398.1
Saigon, Tan Son Nhut A/D, Vietnam -		
Don Muang A/D, Bangkok, Thailand	10.30	3838.2
Scott AFB, Illinois -		
Andrews AFB, Washington D. C.	1.65	640.9
Scott AFB, Illinois - Dover AFB, Delaware	3.77	1481.6
Scott AFB, Illinois -		
Charleston AFB/Municipal, South Carolina	a 6.22	2322.9
Scott AFB, Illinois -		
McGuire AFB, New Jersey	2.44	943.3
Scott AFB, Illinois -		
Buckley ANG Base, Colorado	3.75	1476.7
Seymour Johnson AFB, North Carolina -		
Bodo AD, Norway	7.42	3063.3
Shaw AFB, South Carolina -		
Toul Rosieres AB, France	2.39	1035.1
Sheppard AFB, Texas -		
Charleston AFB/Municipal, South Carolina	a 2.68	1076.2
* Tinker AFB, Oklahoma -		
Travis AFB, California	32. 19	13054.3
Tinker AFB, Oklahoma -	0.77	200 4
Dallas Love Field, Texas	0.66	200.4
Tinker AFB, Oklahoma - Robins AFB, Georg	ia 1.84	737.9

	Route Flown	Total Time (Hours)	Total Distance (Nautical Miles)
	Tinker AFB, Oklahoma - Dover AFB, Delaware Tinker AFB, Oklahoma -	3.08	1229.8
	Charleston AFB/Municipal, South Carolina Torrejon De Ardoz AB, Spain -	2. 02	825.4
*	Rota NS, Spain Torrejon De Ardoz AB, Spain -	1.07	375. 3
	Dhahran A/D, Saudi Arabia Torrejon De Ardoz AB, Spair -	21. 24	9009. 1
	Karachi Civil A/D, Pakistan	3.77	1634.3
	Travis AFB, California - (local)	415. 52	95489.9
	Travis AFB, California -		
	Portland International, Oregon	2. 57	940.2
	Travis AFB, California -		
	McChord AFB, Washington	3. 06	1205.6
	Travis AFB, California -	2 05	1/15/
	Dallas Love Field, Texas Travis AFB, California -	3.95	1615.6
	Holloman AFB, New Mexico	4.74	1863.5
*	Travis AFB, California - Kelly AFB, Texas	24. 43	10316.4
	Travis AFB, California -	21, 13	10310.1
	James Connally AFB, Texas	4.13	1629.6
	Travis AFB, California -		• •
	Yuma MCAS/International, Arizona	4.99	1628.5
	Travis AFB, California - Nellis AFB, Nevada	1.14	425.7
	Travis AFB, California -		
	Elmendorf AFB, Alaska	13. 92	5863.5
	Travis AFB, California -		
	Point Mugu NAS, California	0.85	291.6
	Travis AFB, California - England AFB, Louisiana	4.77	2020 2
	Travis AFB, California - Hill AFB, Utah	5. 78	2030. 3 2199. 1
	Travis AFB, California -	5. 10	2177.1
	Stewart AFB, New York	12. 24	4931.3
	Travis AFB, California - Scott AFB, Illinois	3.74	1556.7
	Travis AFB, California -		
	Andrews AFB, Washington D. C.	6.37	2651.8
	Travis AFB, California - Robins AFB, Georgia	5. 59	2397.7
	Travis AFB, California - Dover AFB, Delaware	40.02	16648.9
3/4	Travis AFB, California -	22.47	0.545
	Charleston AFB/Municipal, South Carolina	22. 47	9545. 1
*	Travis AFB, California - McGuire AFB, New Jersey	22 66	10001 6
	Travis AFB, California -	23.66	10001.6
	Quonset Point NAS, Rhode Island	14.09	5933. 9

TABLE Dl concluded

Route Flown			d Distance cical Miles)
Travis AFB, California -			
Langley AFB, Virginia	6.	49 27	02. 7
* Travis AFB, California -			
Hickam AFB, Hawaii	289.	95 1222	10.1
* Travis AFB, California -			
Wake Airport, Wake Island	454.	29 1919	45.8
* Travis AFB, California - Yokota	AB, Japan 159.	89 677	97.6
Travis AFB, California - Classif	led 4.	45 16	40.2
* Wake Airport, Wake Island -			
Clark AB, Philippines	164.	09 702	31.2
Wake Airport, Wake Island -			
Anderson AB, Guam	9.	90 40	14. 2
Wake Airport, Wake Island - Yok	ota AB, Japan 6.	31 23	24.4
Wake Airport, Wake Island -			
Mactan Island A/D, Cebu, Phi	dippines 6.	69 28	58. 5
* Wake Airport, Wake Island -			
Saigon, Tan Son Nhut A/D, Vie	tnam 20.	73 89	35.0
Yokota AB, Japan - (local)	1.	37 2	50.4
Yokota AB, Japan - Kadena AB, G		97 56	67.6
Yokota AB, Japan - Naha AB, Ok	nawa 1.	95 7	35. 9
* Yokota AB, Japan -			
Saigon, Tan Son Nhut A/D, Vie		66 509	11.8
Yokota AB, Japan - Danang AB,	letnam 19.	94 83	88.6
Yokota AB, Japan -			
Don Muang A/D, Bangkok, Tha			86. 9
Yokota AB Japan - Ubon A/D, Ti	nailand 10.	87 45	12. 1
Yokota AB, Japan -			
Kimpo International Airport, S		·	40.0
Yuma MCAS/International, Arizon	na - (local) 16.	28 40	27. 5

^{*} Routes for which data is included in the composited Atmospheric Turbulence Study data sample

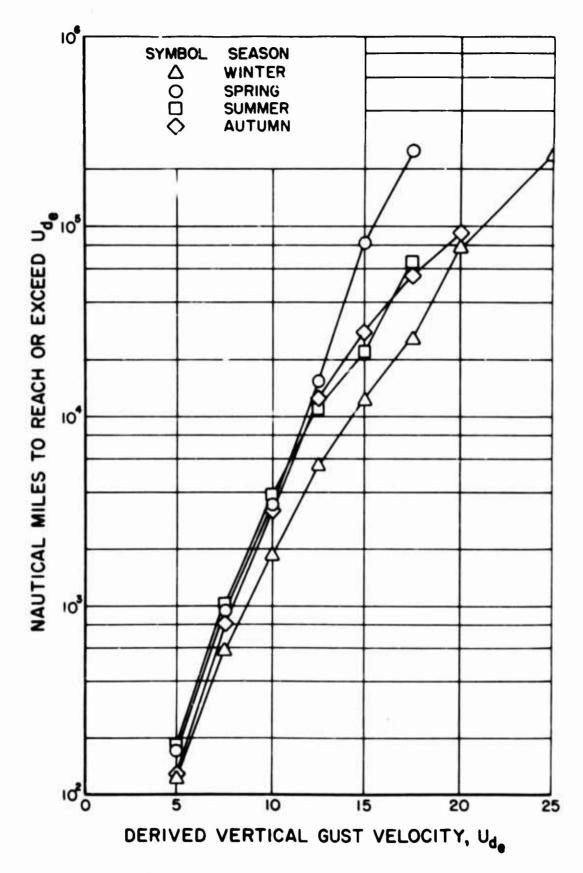


Figure D1. Comparison of the Positive Derived Vertical
Gust Velocity Spectra by Season for Altitudes
Greater than 30,000 feet

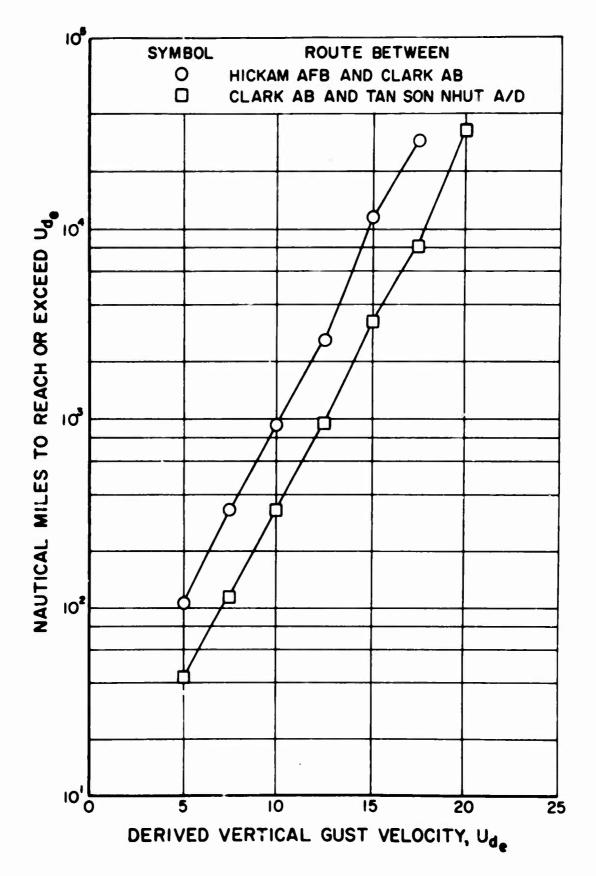


Figure D2. Comparison of the Positive Derived Vertical
Gust Velocity Spectra of Two Routes Encountered
in the Atmospheric Turbulence Study

#### TABLE D2a DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY

FOR ALL ROUTES COMBINED

#### NON-STORM CONDITIONS

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ALTITUDE TIME MAUTICAL	TOTAL										IFT./						-1-		
CIDCO FTI CHOURS) MILES	PEAKS	-35 -30 -	25 -20	-17.5	-15	-12.5	-10	-7.5	- 7	• • •	• 7.5	+13	+12.5	+15	+17.5	• 20	+25	+ 33	• 35
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15 TU 2, 44.10 10003.9	563					4	16	43	1 . 9	249	4.8	21						1	
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33 10 35 832.86 361453.4	4575				3	17	71		1415		358	116	50	13	7	ı	1		
AROVE 351425.98 522923.9	6175		1		•	12	89			2947		134	29	7	3	. 1			
TOTAL 2557.46 1112758.8	14142		1 9	. 5	24	54	225	837	4463	6452	1154	316	77	12	14	6	1	1	
				STORM	COND	1110N	5												
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113C. FTT CHOURST MILES	PEAKS	-35 -35 -	25 - 22	-17.5	-16	-12 6			- 5		+7.5			.15			. 3 6		
		-,, -,, -	27 -20												•17.5			• 33	, ,,
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1 13 2 24.99 4116.6	32 38		1 1			35	100	358	792	986	671	214	70	21	9	2			
2 70 > 52.74 11301.0	5122	1	2		23	53	154		1314	-	736	258	90	26	12	•	ı	1	
5 10 1 42-17 12143-5	1929		2	2	3	11	41	143	542	849	213	7.9	26	13	3	1	ı		
10 10 15 37.79 12567.5	600		1 1	3	2	8	15	56	225	359	73	36	14						
15 TO 20 1.78 704.9	3.5							3	. 9	13	4			1					
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ALTITUDE TIME VAUTECAL	TOTAL						UNE	DIST	ATBL :	10N (	FT. /	SEC.1							
(1000 FT) (HOURS) MILES	PEAKS	-35 -30 -	25 -20	-17.5	-15 -	-12.5			- 5		.7.5		.12.5	+15	+17.5	+ 23	.25	+30 +	35
MEL JW 1 14.82 2222	2603		1	3	•	30	132	365	471	555	538	283	139	40	19	-	2		
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30 10 35 845.84 367323.5	5067		2	2	7	23	80	255	1554	2563	406	128	24	15		ı	2		
AROVE 351436.71 636728.5	6436		2	1	13	1.6	92	399	2129	3101	512	119	35	13	4	4			
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### DISTRIBUTIONS OF DERIVED WESTERN CHEET WELDERT

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FOR THE WINTER SEASON

NUM-STORM COMBITIONS

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1 70 2 6.62 167 2 70 5 15.64 332 5 70 10 11.67 320 1. 70 15 15.47 347 15 7G 2) 2.42 15.	15 PEAKS 3.6 771 7.9 762 1.6 1329 5.0 481	-35 -30 -25 l	-20 -17.5 1	-15 -12.5 2 17 2 13 3 12 1 1 3	UDE DIS -10:-7.5 44 lu6 28 74 44 l07 11 40 1 22	TRIBUTION ( -5 ·5 i22 lo7 lo7 253 359 559 119 lo9 o7 l12 4 1 36 56	PT./9C.) +7.5 +10 158 84 133 44 144 53 42 22 23 13		15 +17.9 15 3 7 2 3 1 5 1	1	•25	•12 •35
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			STORH P	LUS NON-STO	p n							
ALTITUDE TIME JAUTE LIBUS FITE HOURS! MILL RELOW 1 0.53 66 1 10 2 0.62 107 2 70 3 15.64 332 5 TO 12 117 320 15 TO 2 121 439 20 TO 25 2212 439 25 TO 3. 889 3351	F5 PEAKS 0.6 771 7.0 762 7.6 1320 7.0 401 1.4 260 1.1 117 1.2 555	-35 -30 -25 1	-20 -17.5 1 1 1 1 3 1	-15 -12.9 2 17 2 13 3 12 1 3 2	UDE 0151 -10 -7.5 -44 136 28 74 -44 107 11 48 1 22 6 9 3 29 8 29	TRIBUTION ( -5 +5 122 167 107 253 359 559 139 109 07 112 35 44 171 284	FT./SEC.1 •7.5 •10 158 •4 133 •6 166 •53 •62 ·22 2: 13 8 ·15 •22 ·6		15 *17.5 15 3 7 2 3 1 5 1 2	1	1	• 33 • 35 I
33 TU 35 141.20 6133 ABOVE 35 377.55 16925 TOTAL 682.8G 28927	1.6 1330		i 2 •	2 .	24 83 27 115	300 635 660 643 2286 3253	125 48 153 36 894 327	12	3 3	1	1	1
ALTITUDE TIPF WANTE		DISTRIBUTION	FOR ALL R	BLE DZE EN VERTICAL NUTES COMBI OR THE NG SEASON AM COMDITIO	<b>46</b> 0	DCITY						
(1996 FT) (HOURS) MIL							61./S67 1					
RELOW 1 1 TO 2 2 TO 5 5 TO 1	PEARS  10 10 10 10 10 10 10 10 10 10 10 10 10	-35 -30 -25	-20 _, -17.5	1 2 1 3 6 3 6 1		78 18 UT 10 M ( -5		•12.5 •	15 +17. <b>5</b>	•23	1 1	1
BELOW 1 1 70 2 2 70 9 2 70 9 2 70 9 2 70 9 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14 1 70 14	PES PEARS	-39 -30 -25	1	1 2	2 5 2 11 32 33 122 57 172	33 44 24 79 41 126 33 359 544 772 894 1360	• 7.5 • 10 • 1 11 • 4 14 • 3 51 • 14 135 • 37 215 • 59	;	ł	•23	1	1
ALTIFUDE TIME LAUTI  LIGAL PTO 10 LAUTIPUDE TIME LAUTIPUDE TIME LAUTIPUDE TIME LAUTIPUDE TO 10	25 Péars 20 0 21 0 21 0 22 0 23 0 24 172 25 0 26 172 27 0 27 0 27 0 27 0 27 0 27 0 27 0 27	-35 -30 -25 -35 -30 -25	à à Storm	1 2 1 3 3 6 1 6 11	2 5 2 11 32 33 122 57 172	33 44 24 79 41 104 105 35 35 35 35 35 35 35 35 35 35 35 35 35	+7.5 +10  4 1 11 4 14 3 51 14 135 37 215 59	• 1 12 17 17 • 12.5 • 1	ł		1 1	1
BELOW 1	ES PEARS		1 STORM -29 -17.9	1 2 1 3 4 3 6 11 CONDITIONS -15 -12-5 4 7 9 45 3 5 1 1	2 3 2 0 11 11 32 33 122 57 172 UDE DIST -12 -7.5 20 76 62 170 11 41 6 8 3	33 44 24 79 41 176 32 399 544 772 894 1366 (RISUTION 6 -5 05 95 91 200 240 439 628 180 301 45 91	+7.5 +10  11 4 11 4 11 3 15 14 135 37 215 59  FT./SFC.1 +7.5 +10 119 61 119 61 119 62 277 86 67 21 2, 8	+12.5 +1 27   19 27   19 37	1 1 2 2 15 •17.5 11 6 5 2 9 6 6 2 1	•20	1 1	1
ALTITUDE TIME AUTI- 1102 4.65 710 12. 2. 200  ALTITUDE TIME AUTI- 1103 12. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	25 Péars 20 0 21 0 21 0 22 0 23 0 24 172 25 1645 26 1645 2793 2793 28 1645 28 1717 28 1645 28 1717 28 1645 28 1717 28 1645 28 1717 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 1645 28 165 28 1		1 1 STORM -25 -17,5 1 2 1 9	1 2 1 3 4 3 6 11 CONDITIONS -15 -12-5 4 7 9 45 3 5 1 1	2 3 2 4 11 11 32 33 122 52 172 172 173 173 173 173 173 173 174 175 175 175 175 175 175 175 175 175 175	33 44 24 79 61 176 33 359 544 772 894 1360 (RISUTION 6 95 91 200 260 439 628 439 628 4	+7.5 +10  11 4 11 4 11 3 15 14 135 37 215 59  FT./SFC.1 +7.5 +10 119 61 119 61 119 62 277 86 67 21 2, 8	•12.5 •1 17 •12.5 •1 27   19 92 1	1 1 2 2 15 •17.5 11 6 5 2 9 6 6 4 2 1	•20 3	1 1 •25	1
ALTITUDE TIME AUTI- 1102 4.65 710 12. 2. 200  ALTITUDE TIME AUTI- 1103 12. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	S PEARS		1 1 STORM -25 -17,5 1 2 1 9	1 2 1 3 6 3 6 11 COMDITIONS -15 -12-5 7 7 7 9 15 13 3 1	2 5 2 6 11 11 32 33 122 77 172 173 174 175 175 175 175 175 175 175 175 175 175	33 44 24 79 43 136 33 339 544 772 894 1360 (RISUTION ( 95 91 200 240 439 428 11 4 21 43 981 1390	+7.5 +10  4 1 11 4 11 4 14 3 15 1 15 37 215 59  FT./SEC.1  4 1 15 2 27 6 2 7 4 5 4 7 5 5 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5	*12.5 *1 27 17 27 19 37 12 1 *12.5 *1 *12.5 *1 27 1 19 32	1 1 2 2 15 •17.5 11 6 5 2 9 6 6 4 2 1	•20	1 1 ·25 1	1

## TABLE DZd DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY

### FOR ALL ROUTES COMBINED

## FOR THE SUMMER SEASON

	NGM-STORP CONDITIONS	S
ALTITUDE FIME MAUTICAL TOTAL ILECT FIT (MOURS) MILES PEARS BPLOW 1		UDE DISTRIBUTION (FT./SEC.) 13 -7.5 -5 +5 +7.5 +10 +12.5 +15 +17.5 +20 +25 +32 +35
2 10 5	1 1 4 1	8 28 64 118 3. 16 6 4 1 3 16 75 169 24 8 2 1 6 31 59 8 2 2 23 57 289 489 86 27 6 7 6 18 89 517 491 132 18 5 1 52 194 973 1536 253 71 21 12 5 1
	STORM CONDITIONS	
ALTITUDE TIME VAUTICAL TOTAL (132. FT) (HOURS) MILES VEAKS BELD-1 3.39 513.8 661 1 TO 2 7.27 1709.1 687 2 TO 5 11.79 2507.5 11.75 5 TO 1 4.71 2023.8 638 12. TO 2 7.25 56.1 3 201.4 211 15 TO 2 7.50 204.4 211 25 70 25 70 3 2.55 1 109.2 3 30.0 4 2 3 70 3 2 2 4 2 8 0 4 3 2 2 7 10 3 5 2.55 1 109.2 3 10 3 2 2 4 2 8 0 4 3 2 2 4 2 8 0 4 3 2 2 4 2 8 0 4 3 2 2 4 2 8 0 4 3 2 4 2 4 2 4 2 3 3 3 3 3 3 3 3 3 3 3	-35 -3C -25 -2C -17.5 -19 -12.5 -1 1 2 3 2 2 3 6 2 1 3 6 15 3 2 3 2	UDE DISTRIBUTION IFT./SEC.) 15 -7.5 -5 -6 9.7.5 10 12.5 15 17.5 20 25 30 35 25 93 133 152 130 78 28 8 4 2 2 23 116 218 244 174 70 15 7 3 2 37 128 285 413 174 74 26 8 2 1 13 32 116 225 47 16 4 1 3 19 54 96 21 8 4 1
TOTAL 47.22 12732.8 3389		
ALTITUOT TIME SAUTISAL TOTAL		UDE DISTRIBUTION (FT./SEC.)
1103; FF1 (HOURS) NILES PEAKS 8ELOW 1 3-39 513-8 61 1 10 2 7-27 12-0-1 807 2 TO 5 11-78 2507-5 1175 5 TO 12 0-71 2020-8 436 12 TO 15 9-23 3-061-4 211 15 TO 2 12-47 455-49 2067 20 TO 25 10-11 71A-38 280 25 TO 31 25-43 13051-0 120 35 TO 35 237-13 132722-3 1053 ABOUT 15 NOT-63 155102-7 10-68 TOTAL 602-17 700243-5 6501	2 3 8 2 1 3 6 15 3 3 2 3 2 1 3 1 1 1 9 2	25 (* 133 152 130 76 28 8 4 2 2 2 3 116 218 246 174 70 15 7 3 2 3 17 128 245 413 174 70 15 7 3 2 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	TABLE DZO DISTRIBUTIONS OF DERIVED VERTICAL G FOR ALL ROUTES COMBINE FOR THE AUTUMN SEASON NOV-STORM COMBITIONS	EO.
ALTITUDE TIME NAUTICAL FOTAL (10% FT) (HOURS) MILES PEAKS PEAKS 1 C C C C	-35 -3; -25 -23 -17.5 -15 -12.5 -1	UDE DISTRIBUTION (FT./SEC.) 10 -7.5 -5 -5 +7.5 +12 +12.5 +15 +17.5 +20 +25 +3) +34
2 TO 5 5 TO 13 10 TO 15 15 TO 27 15 TO 27 15 TO 27 15 TO 25 22-98 9199-5 931 25 TU 25 28-98 125267-2 1072 AROVE 35 332-77 145955-5 1274 TOTAL 719-75 308665-3 4586	1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 31 44 8 14 15 15 15 17 3 1 1 1 17 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18
ALTITUDE TIME VAULICAL FOTAL	S FORM CONDITIONS	JOE DISTRIBUTION (FT./SEC.)
	-95 -30 -25 -26 -17.5 -15 -12.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.	19 -7.5 -5 -5 -7.5 -18 -12.5 -19 -17.5 -20 -25 -53 -55 -55 -55 -55 -55 -55 -55 -55 -5
30 TU 35 7.35 3157.3 150 ABOVE 35 0.13 2052.5 100 TOTAL 00.00 19202.7 3100		3 13 46 73 17 3 1 15 27 27 10 5 4 3 1 3 10 332 774 1090 400 106 83 24 12 6
	STORM PLUS NON-STORM	
ALTITUDE TIME VAUTICAL TOTAL TOTAL TICE PEAKS BELLAN 1 0.11 00.0 652 1 TO 2 0.25 1 U.02.0 777 2 TO 3 10.10 2 0.25 1 U.02.0 777 2 TO 5 10.10 2 0.25 1 U.02.0 777 2 TO 5 10.10 2 0.25 1 U.02.0 777 2 TO 5 10.10 2 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25 1 0.25	-15 -37 -25 -27 -17.5 -15 -12.5 -16 1 1 1 1 7 26 4 11 3 6	19 92 187 247 144 46 19 2 2 1 1 1 76 234 535 119 45 16 6 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

# TABLE DEF

### FOR ALL ROUTES COMBINED

## FOR THE MONTH OF JANUARY

ALTITUDE TIME MAUTICAL	TOTAL					UDF	1210	e   Bu	1100	151./	MC.1						
(1006 FT) (HOURS) MILES	PEAKS	-35 -30 -25	-20 -17-5	-15 -	12.5							+12.5	+15	.17.1	• 23	. 24	. 22 . 24
SELOW 1 :. J.	0			• •		•		-								•	
1 10 2 5.	1.0																
2 10 5 0. 2.	ō																
1 44 14 1																	
	3																
	27					2	3	5	13	2							
						Š	26	78	125		1			1			
20 70 25 10-13 4011-0	252					,	20			10	7		1				
25 10 32 23.42 8595.7								•	15	1		_					
10 10 15 44 25734.3	465					14	37	116	238	**	17	2					
480VE 35 149.76 66795.2	222				1		16		99	15	•	1	1				
TOTAL 245.42 166949.4	**1				1	SC	76	545	482		29	3	5	1			
			STORM	CONDI	TIONS												
ALTITUDE TIME NAUTICAL	TOTAL						DIST										
(1000 FT) (HOURS) WILFS	PEAKS	-35 -30 -25	-20 -17.5	-15 -1	12.5	-10	-7.5	-5	• 5	.7.5	.10	+12.5	+15	+17.5	.50	+25	•37 •35
BELOW 1 1.73 256.4	347			1	6	21	53	63		62	32	12	5	1	1		
1 10 2 2.66 647.5	324	1		2	à	15	34	92	115	42	16	6	3	1			
2 10 5 5.49 1190.4	481			1	2	15	34	143	196	94	23	•	2				
5 TO 13 3.71 1138.6	142				1	5	•	43	• 1	21							
10 10 15 4.20 1415.5	86			1	3	1	15	25	31		2	2	1				
15 10 2. 0.49 34.6																	
2C TO 25 w.11 43.3	0																
25 10 37 0.75 331.5	1.6						1			1							
30 TO 3524 110.6	0																
480YE 35 6.46 2943.2	3																
TOTAL 25.46 7889.9	1394	1		5	14	52	149	371	495	100	79	26	11	2	1		
			STORM PE	.US NO	4-5 TO												
ALTITUDE TIME VAUTICAL	TOTAL					UDE	DIST	REBUT	-	F1./5	£C.1						
(12.5 FT) (HOURS) MILES	PEARS	-35 -30 -25	-20 -17.5	-15 -1	12.5	-10	-7.5	-5		.7.5		.12.5	+15	.17.5	• 23	+25	+30 +35
BELOw 1 1.73 256.4	340			1		21	53	43	83	62	32	12	5	1	ĭ		
1 10 2 2.66 447.5	324	1		2	2	10	34	92	115	42	16		3	i	-		
2 10 5 5.49 1198.4	481	•		ĭ	ž	15	30	143	196	94	2)	- i	2	•			
5 10 1. 3.71 1130.6	142				ī	•		43	61	51		-	-				
15 10 15 4.20 1415.5	84			1	3	i	12	25	31	-	ž	2	1				
15 70 27 5.15 1002.9	27				-	ž	3	•	13	2	ī	-	•	1			
2: 10 2: 123 4.54.3	252					i	20	70	125	10	ij		1	•			
25 10 3. 21.17 8927.2	41					•	- 1	17	21	• ;			•				
33 70 35 42.30 25815.0	465					14	37	116	230	49	17	Z					
480VL 35 156.22 69733.4	553					ï	10	117	105	15	- 1	i	ı				
TUTAL 276.00 114039.3	2385	1		5	15	72	229	663	977	273	100	29	13	3			
	4507			•		••		30,	***				.,	•	•		

# TABLE DIG DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY

### FOR ALL ROUTES COMBINED

### FOR THE MONTH OF PERSUARY

			40	34-STO	-	040111	ONS											
ALTITUDE TIME "AUTICAL	TOTAL	100	- 525					0121								445		
(1000 FT) (MOURS) MILES	PEARS	-35 -30 -55	- 50	-17.5	-13	-15.5	-10	-7.5	- 5	• • •	•7.5	-10	+12.5		+17.5	• 20	.52	·32 ·35
BELDW 1 C. ).	:																	
1 10 2	•																	
2 10 5 💸 🔾.	ů																	
5 TO 12 ).	•																	
19 TO 15 1. 3.	9																	
15 70 2 3.17 1145.8	65			1	L		3	•	21	24		,						
20 TD 25 5.43 2164.2	193							3	5.0	35	13	•						
25 TU 3; 27.65 11766.4	53							3	1.4	5.0	2							
35 70 35 39.49 17258.4	447				1	2	4	29	142	201	40	10	4	3		1		
ABOVE 35 114.99 51559.2	1000				1	1	14	64	324	479	85	27	7	3				
TOTAL 190.93 #3898.0	1673			1	•	)	21	105	537	785	144	51	11	•	,	1		
				STORE	-	) T I Om												
							•											
ALTITUDE TIME VAUTICAL	TUTAL						UDE	0151	REBUT	I DN	(FT./S	EC.)						
(1000 FT) (HOURS) MILES	PEARS	-35 -30 -25	- 20	-17.5	-19	-12.5	-1C	-7.5	-5	5		-10	+12.5	+15	+17.5	+20	+25	+33 +35
BELOW 1 1.54 224.0	204				1		12	29	31	51	44	20	26		1	2		
1 10 2 2.22 357.7	251						11	24	- 61	84	42	19	4	3	_	-		
2 10 5 5.38 1133.2	4 04		-	2	2	7	14	33	122	217	84	14	13	1				
5 10 12 3.56 1629.7	237			i	-		5	27	50	91	34	11		•	1			
13 10 15 3.23 1349.5	99							•	29	47	5		5	L				
15 10 20 1.28 100.7	4								3	1				-				
23 10 25 1.61 599.1	72							2	33	51								
25 10 3. 2.94 403.3	61					2	2	•	21	19	7	3	1					
32 10 35 3.40 1420.5	332			1	•	•	•	15	92	161	31	9	•	2	1		ı	
ABOVE 35 11.35 5129.5	16								7		2							
TOTAL 33.20 :1447.2	1854		1	•		27	90	141	456	731	243		55	19	3	2	1	
					116 6	ON- 5 TO												
			•															
ALTITUDE TIME VAUTICAL	FOTAL						UDE	DIST	RIBUT	104	FT./5	EC.1						
(1004 FT) (HOURS) MILES	PEAKS	-35 -37 -25	-25	-17.5	-15	-12.5	-10	-7.5	-5		.7.5		.12.5	+15	.17.5	• 20	•25	·30 ·35
BELOW 1 1.54 224.0	244				1		12	29	31	51	49	20	26		1	2		
1 70 2 2.22 357.7	251		1		-	•	11	24	61	84	42	15		,				
2 70 5 5.36 1133.2	484		-	2	5	7	14	33	122	217	- 44	14	1.	L				
5 10 1. 3.56 1029.7	237			ī			5	27	58	91	34	11	•	•	1			
10 10 15 3.23 1649.5	99								24	47	•		9	1				
15 10 25 3.45 1254.4	64			1	L		3	•	24	25	•	3						
76 10 25 7.44 2767.3	1 92							3	62	103	19	3						
.1 10 3. 20.39 12169.7	114					2	- 2	•	40	48	•	3	L					
12 TO 35 43.36 18478.9	779			1	•		10	44	234	342	71	27		5	3	1	ı	
ABOVE 35 124.34 \$6608.7	1024				L	1	14		333	480	0.7	27	7	•	1			
101AL 224.13 95345.1	3497		1	5	•	30	71	244	**3	1514	3 84	139	66	25	•	3	1	

### TABLE DES DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY

### FOR ALL ROUTES COMBINED

FOR THE MARCH

ALTITUDE TIME WAUTICAL (1841 FT) HOURS) RILES BELOW 1 3. 3. 1 TO 2 6. 3.	TOTAL PEAKS C	-35 -33 -25	-20 -17.9	-15 -12					7./SEC.1		-15	•17.5	-20	+25	•33 •35
2 TO 5 3. 15 TO 1 3. 16 TO 1 3. 17 TO 2 3.11 1190.3 20 TO 25 3.47 2161.7 25 TO 30 16.60 970.1 30 TO 35 42.60 10000.5 ABOVE 35 136.23 61371.6 TOTAL 190.07 88103.6	0 3 12 13 71 315 500 923		1 1		2 1 2 15	48	22 22 93 176 297	11 37 196 226	21 12 21 12 43 11 60 25	1	1			1	
			\$ 7000	COMOITI	on s										
ALTITUDE TIME NAUTICAL TIBES OF TTI HODINS IN HILES BELOW 1 V.72 137.6 1 TO 2 137.6 1 TO 15 2-41 M93.2 15 TO 25 C. 0. 0. 25 TO 25 C. 0. 25 TO 37.6 1 TO 37	PEAKS 100 201 703 271 31 0 0	-35 -30 -25	-20 -17.9	<b>3</b> 1	3 -10 3 -0 20 1 -0 1	-7.5 24 29 85 17	-5 30 76 212 86 11	25 · 15 · 25 · 25 · 25 · 25 · 25 · 25 ·	29 16 60 23 124 36 24 8 2	14 7 11 3	1 7 3	•17.5 i	,	ı	•12 •15
TOTAL 130 3100.0	1944		1 3	3 L	7 49	190	417	513	243 86	35	15	•	,	1	
ALTITUDE - TIME MOUTICAL	TOTAL		STORM P	LUS 1000-	STORM URG				T./ <b>SE</b> C.1						
11303 PTI (HOUMS) RILES DELOW 172 107.0 1 TO 2 1.34 215.3 2 TO 5 4.96 1007.1 5 TO 16 1.44 975.7 10 TO 15 2.41 975.7 15 TO 27 3.11 1186.5 20 TO 25 5.47 2141.7	PEARS 14-J 291 793 271 31 12	-15 -30 -25	1 2	3 h	.5 -10 2 · 0 0 20 1 · 0	-7.5 26 29 05 17	-5 35 76 212 66 11	15 03 268 124 10 6	7.5 -10 29 10 68 23 124 36 24 0	•12.5 14 7 11 3	*19	•17.5	,	1	*10 *11
29 TO 30 IC.00 4978.1 20 TO 39 42.09 - 10099.1 8007E 35 130.27 41359.4 TOTAL 211.16 91300.4	71 315 520 2466		1 4		1	10 51 220	22 93 176 714	37 150 231 951	21 12	1 34	1.	•	3	2	
ALTITUDE TIME VANCICAL	†OTAL	DISTRIBUTION	FOR ALL RO		11. 11.	it wei	OCITY								
118:. PT1 (remas) WILES BR.Com 1	PEARS	-11 -15 -21	-30 -17.5	-19 -12		DIST		On 15	1./SFC.1						
19 TB 27 2.75 005.7 26 TO 29 4.75 1827.8 25 TO 30 0.68 4.75.7 26 TO 30 47.50 20572.0	0 31 63 43 157				, <b>9</b> -10	1 1 5	-5 13 7 11 90	18 39 25	;	•12.5	•15 (	•17.5	•29	•25	*32 *35
19 70 27 2.75 005.7 26 70 29 4.79 1827.8 25 70 30 0.48 4.75.7	0 31 6.7 42				.9 -ie	- <b>7.5</b>	-5 13 7 11 90	18 39 25	7.5 +10	•12.5	*15 (	•17.5	•29	•25	*32 *35
19 70 27 2.75 990.7 25 10 29 4.79 1827.8 25 10 30 9.68 4.75.7 30 70 35 67.59 29777.0 ABOVE 35 99.64 63822.5 TOTAL 104.07 6322.5	0 31 6-3 157 257 257		\$ <b>700</b> 0	COMD! FIG	.9 -10 1 1	-7.5 1 1 3 6 13	-9 13 7 11 90 02 107	10 30 25 05 103 310	7.5 •10	•12.5	•15	•17.5	• 29	•25	•32 •35
19 TO 27 2.75 000.7 26 TO 29 4.75 1827.6 25 TO 30 04.8 4.75.7 20 TO 30 07.59 20570.0 MODEL 35 00.44 05822.5 TOTAL 104.27 03202.6 ALTITUDE TIME VANTICAL 11904 071 1000031 01165 MELON 1 040 1404.1 1 TO 2 1.30 220.3 2 TO 5 3.70 016.0 3 TO 10 2.04 859.2 13 TO 15 2.44 017.7 15 TO 25 0. 0. 20 TO 25 0. 0.	0 31 6 42 157 257 245	-19 -30 -25			1 1 1 0005	-7.5 1 1 3 6 13	-9 13 7 11 90 02 102	10 30 25 05 103 310	7.5 +10 9 4 3 13 7 33 4						•32 •35
19 TO 27 2.75 000.7 26 TO 29 4.75 1827.6 25 TO 30 04.8 4.75.7 20 TO 30 07.59 20570.0 MODEL 35 00.44 05822.5 TOTAL 104.27 03202.6 ALTITUDE TIME VANTICAL 11904 071 1000031 01165 MELON 1 040 1404.1 1 TO 2 1.30 220.3 2 TO 5 3.70 016.0 3 TO 10 2.04 859.2 13 TO 15 2.44 017.7 15 TO 25 0. 0. 20 TO 25 0. 0.	70 0 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-39 -30 -25		-13 -18	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-7.5 1 1 3 6 13 01571 -7.5 10 36 19	-5 13 7 11 90 02 192 192 193 45 -7 -30 66 14	10 30 25 05 103 310 05 103 20 41 129	7.5 +10 7 4 3 4 13 7 33 6 7./92C.1 7.5 +18 29 10 46 19 29 8	•12.3 3 5 6	*15 *	9;7.5 9 2			
19 TO 27 2.75 000.7 26 TO 29 4.75 1827.8 25 TO 30 0.48 4.75.7 30 TO 30 07.59 20970.9 MOOVE 35 99.44 03822.5 TOTAL 104.27 03202.8  ALTITUDE TIME VANTICAL 11904 PT1 1000031 01165 ALTITUDE 1.09 144.1 1 TO 2 1.30 220.2 2 TO 5 3.70 614.0 5 TO 10 2.44 825.2 13 TO 12 2.44 817.7 15 TO 20 8. 0. 20 TO 25 C. 3. 20 TO 25 C. 3. 30 TO 35 C.95 20.0 ABOVE 39 4.01 300.0	70 31 60 157 297 545 TOTAL PEAKS 110 103 304 305 67 7	-15 -30 -25		-13 -18.	1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	-7.5 1 1 3 6 13 01571 -7.5 10 36 19	-5 13 7 11 90 02 192 192 193 45 -7 -30 66 14	10 39 25 03 103 310 0m, 161 05 01 123 01 123	7.5 +10 7 4 3 4 13 7 33 6 7./92C.1 7.5 +18 29 10 46 19 29 8	•12.5 5 6 7	1 1	>;7.5 3 2 1			
19 TO 27 2.75 090.7 26 TO 29 4.75 1827.8 25 TO 30 9-68 4.75.7 30 TO 30 67.99 29577.9 4.00000 35 99.64 6382.5 7074L 100.27 83292.8  44.111000 TIME **MATICAL** 11904 FT   100.035 mile5* 66.00 1	707 AL POSALS	-15 -30 -25 -15 -30 -25	-20 -17.3	-15 -12.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-7.5 1 1 1 9 6 13 9 6 13 9 15 7:5 10 9 9	-9 13 7 11 99 92 192 192 192 194 45 77 20 66 16	18 19 19 19 19 19 19 19 19 19 19 19 19 19	7.5 +10  7 4 3 4 13 7 33 4 7./52C_1 -23 *18 25 20 34 11 48 19 27 48 3 6	*12.5	1 1	7	• 29	•25	
19 TO 27 2.75 000.7 26 TO 29 4.75 1827.8 25 TO 30 4.68 4.75.7 30 TO 30 47.59 2097.7 ABOVE 35 90.44 4.5022.5 TOTAL 104.27 03202.8  ALTITUDE TIME VAMITICAL 11300 FT 1 100.03 114.5  ALTITUDE 2 1.30 220.3  TO 5 3.70 614.0 1 TO 2 1.30 220.3  2 TO 5 3.70 614.0 1 TO 2 1.30 829.2 1.5 TO 30 0.0 0.7 15 TO 20 0.0 0.7 25 TO 30 0.0 0.7 26 TO 30 0.0 0.7 27 TO 30 0.0 0.7 28 TO 30 0.0 0.7 29 TO 30 0.0 0.7 20 TO 29 0.0 0.7 20 TO 20 0.7 20 TO 20 0.7 20 TO 20 0.7	700 31 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		-26 -17.5	-15 -12. 3 4 1 2 3 1 7 11	3 -10 1 1 1 2015 UNNS 5 -10 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	-7.5 1 1 5 6 13 13 10 15 10 5 9 10	-9 17 77 11 902 192 192 192 192 194 45 17 -91 19 211 211 211 211 211 211 211 211 21	05 0 10 10 10 10 10 10 10 10 10 10 10 10 1	7.5 +10  7 4  3 8 13 7 33 6  7./55C.1 1-5 +10 27 20 34 11 44 19 27 40 27 40 27 40 28 6	*12.5 5 6 7 1	015 0	);7.9 3 2 1 1	• 29	•25	•38 •39

# TABLE DEJ DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY

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### FOR THE

### HON-STORM COMBITIONS

1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 23 20 TO 25 20 TO 35 30 TO 35 400VE 35 13	C. C. J. 62 J. 60 9.85 62.48		6 0 0 0 0 9 3 47 100	-35 -30	-25	-20 -17.9	-15	-12.5	-10	DI \$1	-5	710H (	FT./1	₩C.1 +10	•12.5	•15	+17.9	• 23	•25	+30	• 39
15 TO 23 20 TO 25 25 TO 33 30 TO 35 ( ABOVE 35 L3	3.62 3.00 9.05 62.40	1354.6 1503.9 4609.0 27774.5	93 47 100																		
			1358				1 6 7	2 1 3	3 3 26 36	1	14 15 30 70 270 415	20 29 44 116 403 612	2 7 22 79 114	1 2 24 28	1 11 10	1 1				1	
						STORM	CONO	11100	\$												
(1000 FF) ( BELOW 1 1 TO 2 2 TO 5 5 FO 10 10 TO 15 15 TO 20 20 TO 25 25 FO 30 30 FO 35	TIME (# HOURS) 0.93 1.93 3.50 3.52 2.73 5.J7 0.04 0.03 0.00		TOTAL PEARS 261 328 613 171 04 11	-35 -30	-25	-20 -17.5 1 1	-15 1 1	-12.5 2 1 3 1			918U -5 50 97 147 48 20	710N ( +5 56 116 229 86 42	FT./1 •7.5 61 97 105 20 15 2	10 25 10 31 3	•12.5 0 7 15 2	*15 5 2	•17.5 2 1	•27	•25	+37	• 39
	14.13	3765.5	1465			•	3		48	133	353	533	240	01	32	•	1				
ALTITUDE	TIME N	AUTICAL	TOTAL			STORP P	LUS N	IOM - 5 TO		0157	41 BU 1	TEON E	f1./S	ec.)							
(180) F(1) ( BELOW 1  1 TO 2  2 FO 5  9 TO 10  10 FO 15  15 FO 20  20 TO 25  25 FO 35  35 FO 35	HQURS1 0.93 1.92 3.50 3.02 2.73 3.69 3.69 3.69 3.86	MILES 141.4 322.8 622.8 695.4 926.5 1376.5 1376.5 1517.5 4623.3	PEARS 261 328 610 171 64 61 47 100 232	-39 -30	-25	-20 -17-5 1 1	-19 1 1	-12.5 2 1 3 1 2		-7.5 30 31 61 5 3	-9 90 87 147 48 29 15 15 17	55 116 229 00 42 24 29 44 116	+7.9 61 57 105 20 15 6 2	*18 29 10 31 5 2 1	*12.5 7 15 2	•15 5 2	1	+20	•25	1	• 35
ABOVE 35 13	4.11 (	00 323.5	2793			3	10	17	24 04	222	278	1145	374	104	11	1	3			ı	
(1000 FT) (		MILES	TOTAL PEARS			FOR ALL R	OUTES DR TH DF	CORB!	INED	0157	<b>618</b> 07	IDN 1	FT./S	€C.1 •10	+12.5	+19	•17.5	•20	•25	•30 •	33
1 TO 2 2 TO 5 5 TU 10 12 TO 15 19 10 25 20 TO 25 25 TO 20 30 TO 25	6.80 G	93. 93. 93.2 129.0 3603.2 24647.6	0 0 0 0 34 41 03 150 207			1		1 1 2 2	? ? .	10	9 12 21 33 93 160	15 10 44 45 154 298	5 2 7 22 20 56	2 2 2 4 13	2 1 3		1 1 2				
						\$ 700 M	CINO	I T 1045	<b>.</b>												
110v0 FT1 4 BELOW 1 1 TO 2 2 TO 5 5 TO 15 15 TO 25 20 TO 25 25 TO 30	1.38 2.01 2.37 2.27 2.27 2.07	478.1 954.6 607.1 673.0	TOTAL PEAKS 200 273 300 63 37	-39 -33	-25	-23 -17.5 L	-15 ·	-12.5 1	UDE -10 10 6 16	01511 7.5 20 37 33	-5 72 72 72 67 10	10M 1 76 98 127 36 20	7./S •7.5 •3 •2 •2 •2	*10 23 18 29 2	•12.5 6 1 10	•15 1 3	ij	.30	•25	•3> •	35
ABOVE 35		2022.3	901			ı	•	,	32	106	260	357	122	•3	22	•	2	1			
						STORM P	.us m	DN-570	MM												
1100 FT1 ( 6810w 1 1 TU 2 2 TO 5 5 TO 13 10 TO 15 15 TO 29	TIME %4 HOURS) 1.38 2.61 2.37 2.27 2.27 2.07	#1LES 209.5 478.1 554.6 687.1 693.3	TOTAL PEAKS 264 273 344 63 37 36	-35 -30	-25	-20 -17.5 1	-19 ·	-12.5		7.5 20 37 33	-9 72 72 87 10 11	76 98 127 34 20 15	43 43 42 42 2	*10 23 10 29 2	11111	113	1	•20 L	•25	•13 •	>>
25 TO 30 30 TO 35 5 480VE 35 9	0.51 4.89 2	1250.5 3663.2 3667.6 3954.6 76068.9	41 83 150 207 1504			2		1 2 2 11	2 2 36	10	21 53 93	14 44 65 154 657	2 7 22 20 178	2 2 4 76	2 1 25	•	1				

# TABLE DEL

### FOR ALL ROUTES COMBINED

		FOR ALL ROUTES	COMBINED				
		FOR THE	! JUL Y				
		NON-STORM COM	10 IT 1045				
ALTITUDE TIME VAUTICAL	TOTAL PEARS -35 -30 -25	-20 -17.5 -15 -		TREBUTION (FT./		E 417 E 426	
BELOW 1 3. 3. 1 TO 2 3.	3		-1215 -10 -115	-, ,,,,,,	VIO 11217 11	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
2 TO 5 0. 3. 5 TO 10 C. 0.							
10 TO 15 0. J. 15 TO 23 4.66 1716.5 20 TO 25 6.60 2641.0	0 148 129	3	ž 1 10			• i	
25 TO 30 8.83 3749.7 30 TO 35 84.25 37396.1	18 472	1	5 16 29	7 10 1		• )	
ABOVE 35 125.00 95364.7 TOTAL 232.25 133560.0	409 1431	•	1 8 41	251 249 33	5 1		
		STORM CONDI	TINUS				
ALTITUDE TIME VAUTICAL	TOTAL		40E 015	TRIBUTION (FT./			
11840 FT1 (HOURS) MILES RELOW L 1.52 154.6 1 TO 2 1.82 296.9	PEAKS -35 -30 -25 230 293		12.5 -10 -7.5 3 12 43 5 6 32	37 44 48	31 14	17.5 -20	·25 ·33 ·35
2 TO 3 4.44 955.4 5 TO 10 3.90 1130.7	404 131	1 1 1	1 1 4	101 141 66	23 10		
10 70 15 3.46 1161.6 15 70 25 :- 0.	•1 •	1	i i •	20 35 12	3 2		
20 TO 25 (. 0. 25 TO 30 0.91 389.6 30 TO 35 J. U.	0						
ABOVE 35 1.27 549.6 TOTAL 16.84 4658.4	1149	1 2 1	14 49 134	257 349 200	96 32 16	2 2	1
		STORM PLUS NO					
ALTITUDE TIME VAUTICAL	TOTAL	STOWN PLUS NO		TRIBUTION (FT./	SEC.1		
6ELDH 1 1.32 154.6	230 -35 -30 -25		3 12 43	-9 +9 +7.5 37 44 44	10 -12.5 -1	1	25 -33 -35
1 TO 2 1.02 204.0 2 TO 5 4.46 955.4 5 FO 17 3.00 1130.7	293 404 131	. 1 1	1 12 44	72 63 66 101 141 66 26 65 16	23 10		
16 TU 15 3.46 1161.6 15 TO 23 4.66 1716.5	01 148	1 3	1 1 6	20 35 12	11 4	. 1	
20 TO 25 6.60 2641.8 25 TO 30 4.74 4119.3 30 TO 35 64.25 37,96.1	194 18 472		\$ 3 0 \$ 10 29	7 10 1 134 210 37	22 5		
ABOVE 35 127.17 95934.3 TOTAL 247.J9 109224.4	611 2550	1 2 5	20 75 220	252 270 33	22 3 6		1
	DISTRIBUTIO	TABLE D		LOCITY			
	DISTRIBUTIO	NS OF DERIVED VER	TICAL GUST VF	LOCITY			
	DI STRIBUTI O	FOR ALL ROUTES :	TICAL GUST VFI	LOCITY			
	DI STRIBUTIO	POR ALL ROUTES FOR THE MONTH OF AM	TICAL GUST VFI COMBINED '	LOCITY			
ALTITUDE TIME NAUTICAL	TOTAL	FOR ALL ROUTES FOR THE MONTH OF AM	TICAL GUST VFI COMBINED ' GUST OUTTIONS UDE DIS	TRIBUTION (FT./)	<b>36 C.</b> )		
11000 FTI (HOURS) MILES	TOTAL -35 -30 -29	POR ALL ROUTES FOR THE MONTH OF AM	TICAL GUST VFI COMBINED ' GUST OUTTIONS UDE DIS	TRIBUTION (FT./)	56C-1 +13 +12.5 +11	17.5 . 20 .	·25 •32 •15
11000 FT1 (HOURS) MILES	TOTAL -35 -30 -25	FOR ALL ROUTES FOR THE MONTH OF AM	TICAL GUST VFI COMBINED ' GUST OUTTIONS UDE DIS	TRIBUTION (FT./)	96C.) - •19  •12.9 •11	1 •17.5 •20 •	·29 •32 •15
11000 PTI (HOURS) HILES 0610M 1	TOTAL PRAKS -35 -30 -29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FOR ALL ROUTES FOR THE MONTH OF AM	TICAL GUST VPI COMBINED: GUST OUTTIONS WOD DIS 12.9 -10 -7.9	TRIBUTION (FT./: -5 -5 -7.5	9(C.) *19 *12.9 *11	· •17.5 •20 •	·25 •32 •15
11000 PT1 (HOURS) HILES 8610M	TOTAL PRAKS -35 -30 -29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FOR ALL ROUTES FOR THE MONTH OF AM	TICAL GUST VPI COMBINED ' GUST DETIONS WOD DIS 12.9 -10 -7.9	TRIBUTION (FT./) -5 +5 +7.5  28 48 8 32 48 2 3 5	\$ L		25 •32 •15
1800 PT1 (MOURS) PT(ES 8610W 1 2. 1 TO 2 2. 2 TO 5 3. 9 TO 13 G. 2. 13 TO 15 C. 140.2 20 TO 25 7.44 3061.4	TOTAL -35 -30 -25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FOR ALL ROUTES FOR THE MONTH OF AM	TICAL GUST VPI COMBINED: GUST OUTTIONS WOD DIS 12.9 -10 -7.9	TRIBUTION (FT./) -5 +5 +7.5  28 48 8 32 48 2 3 5 104 214 27	·15 +12.5 +19		·29 •33 •15
11000 PT1 (MOURS) MILES 8610M	TOTAL PRAKS -35 -30 -25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FOR ALL ROUTES FOR THE ROUTES FOR THE ROUTH OF AM ROW-STORM COM -20 -17.9 -19 -	TICAL GUST VFI COMBINED: ' GUST OUTTIONS UDG DIS: 12.9 -10 -7.5  2	TREBUTION (FT./-5 of of,5	2 l 3 l 1		29 •32 •15
1000 PT1 (MOURS) MILES 8610M 1	TOTAL PRAKS -35 -30 -25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FOR ALL ROUTES - FOR ALL ROUTES - FOR THE ROUTE DF AM NON-STORM COM -20 -17.5 -15 -	TICAL GUST VFI  COMBINED '  BUST  DETIONS  UDE DIS:  12.9 -10 -7.5  2 0 2 7 10 1 n 36 3 13 66  TIONS	TRIBUTION (FT./) -5 +5 +7.5  28 48 8 32 48 2 3 5 104 24 27 106 266 49 333 581 86	2 1 3 4 1 10 5 2 MCC.)		
11000 PT1 (HOURS) HILES 86LOW 1	TOTAL -35 -30 -25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FOR ALL ROUTES - FOR ALL ROUTES - FOR TWE HONTH OF AM NON-STORM COM -20 -17.5 -15 -  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	TICAL GUST VFI  COMBINED '  OUST  OUTTIONS  UDB DIS: 12.5 -10 -7.5  2 0 1 0 30 3 13 46  TIONS  UDB DIS: 12.5 -10 -7.3	TRIBUTION (FT.// -5 +5 +7.5 28 48 8 32 48 2 3 5 104 24 27 140 244 49 333 581 86 TRIBUTION (FT.// -5 +3 +7.5 24 32 39	2 1 3 4 1 1 1 5 2 EC.) •10 •12.5 •15	•17.5 •20 •	
1000 PT1 (HOURS) HILES  861 DM	TOTAL PRAKS -35 -30 -25 C C C C C C C C C C C C C C C C C C C	FOR ALL ROUTES - FOR THE MONTH OF AM NON-STOAM COM-	TICAL GUST VFI  COMBINED:  OUST  OUTIONS  UDE DIS: 12.5 -10 -7.5  2 0 1 0 30 3 13 46  TIONS  UDE DIS: 12.5 -10 -7.9  2 7 0 51	TRIBUTION (FT.// -5 +5 +7.5 28 48 8 32 48 2 3 5 104 214 27 146 246 49 333 581 86 TRIBUTION (FT.// -5 +9 +7.5 24 32 39 74 89 76 87 145 64	2 1 3 4 1 1 1 5 2 2 4 5 3 1 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 6 7 3 1 6 6 7 3 1 6 6 7 3 1 6 6 7 3 1 6 6 7 3 1 6 7 3 1 6 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6 7 3 1 6	+17.5 +20 + 2 2 1 2	25 • 33 • 35
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1000 PT   100083   MILES   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   10 2   1	TOTAL PRAKS -35 -30 -25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	POR ALL ROUTES	TICAL GUST VFI  COMBINED '  OUST  OUTTIONS  VOE DISI 12.9 -10 -7.5  2 0 1 0 30 3 13 46  TIONS  VOE DISI 12.5 -10 -7.5  2 10 -7.5  12.6 10 -7.5  12.7 0 47 7 0 51  2 0 47 7 0 51	TRIBUTION (FT.// -5 +5 +7.5  28 48 8 32 48 2 33 5 104 214 27 146 264 49 333 581 86  TRIBUTION (FT.// -5 +9 +7.5 24 32 59 74 89 76 87 145 24 297 417 216  TRIBUTION (FT.// -5 +5 +7.5 24 32 39 74 20 71 45 64	2 1 3 1 10 012.5 013 3 4 1 10 5 2 40 6 1 20 6 7 31 6 6 8 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019 40 012.5 019	*17.5 *20 *2 2 2 1 2 2 2 4 17.9 *20 *2 2 2 1	25 • 32 • 33 1
1000 PT   100081   HILES   1000 PT   100081   HILES   HILES	TOTAL PRAKS -35 -30 -25  C C C C C C C C C C C C C C C C C C	FOR ALL ROUTES - FOR ALL ROUTES - FOR THE ROWTH OF AM NON-STORM COM20 -17.5 -15 -  1	TICAL GUST VFI  COMBINED '  BUST  DETIONS  UDE DISI  12.9 -10 -7.9  2 0 2  2 3 10  1 0 3 3  3 13 46  TIONS  UDE DISI  12.5 -10 -7.9  3 21  7 9 51  1 2 10  N=STORM  UDE DISI  12.9 -10 -7.9  3 21  4 2 10	TRIBUTION (FT.// -5 •5 •7.5  20 40 0 32 40 2 32 40 2 33 5 104 214 27 106 266 49 233 581 66  TRIBUTION (FT.// -5 •3 •7.5 24 32 39 74 99 76 97 145 64 297 417 216  TRIBUTION (FT.// -5 •5 •7.5 24 32 39 27 41 7 216  TRIBUTION (FT.// -5 •5 •7.5 24 32 39 27 41 7 216  TRIBUTION (FT.// -5 •5 •7.5 24 32 39 74 40 75 76 97 145 64 72 146 29 23 41 6 72 146 29 23 41 6 72 146 29 23 41 6	2 1 3 1 10 012.5 013 3 1 10 5 2 40 12.5 013 20 0 3 10 7 31 0 0 2 1 3 7 23 9 40 0 2 2 1 3 1 0 0 2 1 3 1 0 0 2 1 3 1 0 0 3 2 4 7 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 2 1 3 3 1 0 0 3 2 1 3 3 1 0 0 3 2 1 3 3 2 1 3 3 3 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3	*17.5 *20 *2 2 2 1 2 2 2 4 17.9 *20 *2 2 2 1	25 • 32 • 33 1
1000 PT   100US1   HILES   100 PT   1	TOTAL PRAKS -35 -30 -25  C C C C C C C C C C C C C C C C C C	FOR ALL ROUTES - FOR THE MONTH OF AM NON-STORM COM20 -17.5 -15 - 1 1 2 1 3 6 2 5 6 6 6 6 5 6 6 6 6 6 6 6 6 6 6 6 6	TICAL GUST VFI  COMBINED '  BUST  DETIONS  UDE DIS  12.9 -10 -7.9  2 0 2  2 3 10 1 0 30 3 13 46  TIONS  UDE DIS  12.9 -10 -7.9  3 21 2 10  11 20 140  N=STORM  UDE DIS  12.9 -10 -7.9  3 21 2 10  1 2 10  1 2 10  2 0 2 2 2 2 3 10 3 13 46  TIONS	TRIBUTION (FT.// -5 •5 •7.5  28 48 8 32 48 2 32 48 2 3 5 104 214 27 160 264 49 233 581 86  TRIBUTION (FT.// -5 •9 •7.5 24 32 39 74 89 76 97 145 64 297 417 216  TRIBUTION (FT.// -5 •9 •7.3 24 32 39 27 417 216  TRIBUTION (FT.// -5 •9 •7.3 24 32 39 27 417 216  TRIBUTION (FT.// -5 •9 •7.3 24 32 39 27 41 6 32 48 2 8 11	2 1 3 1 10 12.5 15 10 12.5 15 10 12 5 15 10 7 31 6 6 8 2 1 9 7 31 6 7 31 6 7 31 6 7 31 6 7 31 6 7 31 6 7 31 7 31 7 31 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	*17.5 *20 *2 2 2 1 2 2 2 4 17.9 *20 *2 2 2 1	25 • 32 • 33 1
1000 PT   INDUST   MILES   8610M	TOTAL PRAKS -35 -30 -25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FOR ALL ROUTES - FOR THE ROUTE OF THE ROUTE	TICAL GUST VFI  COMBINED '  BUST  DETIONS  UDE DISI  12.9 -10 -7.9  2 0 2  2 3 10  1 0 3 3  3 13 46  TIONS  UDE DISI  12.5 -10 -7.9  3 21  7 9 51  1 2 10  N=STORM  UDE DISI  12.9 -10 -7.9  3 21  4 2 10	TRIBUTION (FT.// -5	2 1 3 1 10 012.5 013 3 1 10 5 2 40 12.5 013 20 0 3 10 7 31 0 0 2 1 3 7 23 9 40 0 2 2 1 3 1 0 0 2 1 3 1 0 0 2 1 3 1 0 0 3 2 4 7 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 1 0 0 3 2 1 3 2 1 3 3 1 0 0 3 2 1 3 3 1 0 0 3 2 1 3 3 2 1 3 3 3 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3 1 0 0 3 3	*17.5 *20 *2 2 2 1 2 2 2 4 17.9 *20 *2 2 2 1	25 • 32 • 35 1

### FOR ALL MOUTES COMBINES

### POR THE HONTH OF SEPTEMBER

HON-STORM COMOITIONS

ALTITUDE (1000 PT 08LOW L 1 TO 2 2 TO 3 3 TO 10 10 TO 10 10 TO 20 20 TO 20	1 (HOUR)	TAUTICAL 31 MILES 3. 3. 3. 3. 509.1 1220.1 1200.4 29142.8 93714.8	FOTAL PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35	-30 -2		10 -17.5	3 -13 1	-12.5			-3 4 7 38 37		• 7.9	3	•12.	2 -19		3 •28 1	•25	•33 •1	15
							STORM	COM	17104	15												
ALTITUDE (1000 FT 96LDw 1 1 TO 2 2 TO 5 5 TO 1: 10 TO 12 20 TO 25 20 TO 25 23 TO 3: 25 TO 3: 26 TO 3: 27 TO 3: 28 TO 3:	1.004: 1.33 1.06 2.26 1.05 0.27 3.34	VAUTICAL 31 MILES 83.4 22.3 306.4 505.5 511.2 95.0 130.7 152.2 123.4	TOTAL PEARS 84 101 113 49 20 3 5 43 1	-35	-3c -2	s -2	0 -17.9	1 -15	-12.9		-7.5 10 8 4	76 (60) -9 21 20 26 11 9		167./ •7.5 10 10 16 5 1		•12.1 3 2 1	1 •19 1 1 3	•17.1	•20	•25	• • • • • • • • • • • • • • • • • • • •	•
101AL	8.65	2 204.5	416					1	3	•	35	103	165	64	53	•	•	1				
0.71.02			.02				STORM P	LUS N	104-ST		127											
2 TO 23 1 TO 2 2 TO 1 5 TO 15 10 TO 15 15 TO 20 25 CT 02	f (HOUR) 1.33 1.66 2.46 1.65 1.64	94471CAL 63.4 223.3 388.4 595.5 595.2 444.7 1359.9	PEARS 84 101 110 47 20 14	-35	-30 -2	5 -2	0 -17.5	-15	į	1 -10 1 2 1	-7, 5 10 0 4	78 1 B U 1 -5 21 20 26 11 9	+5 25 44 40 21	10 10 10 10	•10	*12.5	1 1 3 1	+17.5	• 20	•25	•30 •3	•
25 TO 30 30 TO 35 400VE 35 TOTAL	59.49	1396.5 29693.6 25232.7 36107.3	279 155				L L	1	;	14	17 0	72	17 145 74 397	25 14	1	2	1	1 2	1			
ALTITUDE (1902 FT SELOW 1 1 2 2 70 5 5 70 1 10 70 15 15 70 25 25 70 35 30 70 35 40042 35 70744	3 (FOUR) 3. 3. 3. 3. 4.90 10.53 113.89	VAUTECAL 1) WILES 3. 5. 5. 128-7 1061-9 4078-6 4078-5 52497-2 109185-4	TOTAL PEAKS 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			FO	F DERLY  R ALL R  FONTH  HON-STO	OUTES OR TH OF OC	07 ICA COMB II TOBER MO17 II	INED DNS UDE	D1 5 T	4 t <b>S</b> UT	104 (			*12.5	-15	•17.5	•29	•25	•30 •31	•
							STORM	COMO	17 I ON:	\$												
AL T1TUDE 11000 FT BELOW 1 1 TO 2 2 TO 3 3 TO 10 10 TO 19 15 TO 20 20 TO 25	1.34 1.09 1.09 4.01 4.42 3.72 0.00	231.3 314.6 1070.7 1242.3 1223.4 310.7	707AL 76483 276 310 329 196 61	-11	30 -21		• -17.5 I	-15	-12.5		0157 -7.5 -4- -33 -26 -13 -3	4 1001 -5 45 70 82 43 17	19 70 93 123 62 21	67.78 67.5 63 97 69 25		•12.9 14    	*15	•17.9 3 1	1 . 53	-23	•3^ •39	
25 TO 30 30 TO 35 400VE 35	4.25	1760.4 1730.0	110				<b>.</b> .	:	al al	1	\$ 11 137	32 21 319	23 23	11	3	,;	, 3	ļ	:			
TOTAL	27.12	8447.4	1353		•		, 1 5708# PI	0-00		-	1,97	***	779	.04	••	,,	.,	٠	•			
ALTITUEC	ring	MAUTICAL MILES	TOTAL PEAKS	-14	·30 -25				-12.9	ues		e taut	104 1	*!./\$		.12.5	•15	.17.8	• ? •	. 24	• >> • >>	
9 (1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.94 1.09 4.05 4.42 3.72 4.53	231.3 114.6 1623.3 1242 1283.4 1600.0 2214.0	296 316 120 134 61 42 45	-,,	1			1	1 2	17 14 15	-7.9 44 33 26 13 3	49 70 87 43 17 10	76 93 123 62 21 13	\$1 \$1 \$0 25 \$	26 20 23 7	14 8	3 2 1	1	1	•••	• • • • • • • • • • • • • • • • • • • •	
33 TO 31 ABOVE 35 TOTAL	121.30	30446.9 34193.8 117032.8	24.03		1	į	1	3 7	23	3	14 33 171	103	311	23 94 272	19	; ;	14	1	3			

### TABLE Day

FOR ALL ROUTES COMBINES

FOR THE

NON-STORM COMBITIONS

			MO4-2104H (	040111045						
ALTITUDE TIME WANTICA (1858 FT) (MOUNS) MILES 0ELOW 1 &	PEAKS -3	s -30 -25 ·	-20 -17.5 -19	12.5 -10 UP	E DISTRIAU -7.9 -9	**************************************	10 -12.3	•19 •17.9	•20 •2	3 +33 +35
2 TO 5 U. J. 5 TO 13 C. 9. 10 TO 15 J. 0. 15 TO 2 5.56 1997. 20 TU 25 15.26 6127. 25 TO 15. T 10 21383. 30 TO 35 11. 3 47941. 46099 35 157.88 62375. TOTAL 364.80 165705.	0 3 0 49 9 502 3 774 3 1343 5 534	ì 1	2 1 1 1	. • 1• •	1 17 44 146 61 225 52 440 21 145 179 973	358 81 721 % 312 %	15 7 17 4 26 1 7	; ; ; ;	1 1 2	
			STORM CO	D111045						
ALTITUDE TIME NAUTICA		- V		UDI	01578180	1104 IFT./SEC				
1800 FF1 (HOURS) HILES BELOW 1 2-24 339- 1 TO 2 3-39 527- 2 TO 5 6-66 1417- 5 TO 15 5-51 1502- 10 TO 15 5-51 1608- 15 TO N 2-22 72- 20 TO 29 3-72 295- 25 TO 33 3-61 1605- ABOVE 35 1-93 831- TOTAL 29-36 8376-	2 272 7 366 2 463 3 160 6 50 6 11 6 26 6 1	.s -10 -25 ·	2 L	4 19 2 13 2 3 19 2 3 2 3	-7.3 -3 41 95 51 06 42 120 14 53 4 13 2 1 1 2 1 1 2 1 4 93	50 54 110 71 102 63 71 7 30 3 6 1 16 4 2 2	10 •12.5 22   0 10   13 7 3	+15 +17.5 3 2 1 2	•20 •2	• • • • • • • • • • • • • • • • • • • •
70120 27.00 6370.	• •,,,,		• • •		100 170	***	•••	,		
			STORM PLUS							
Attiude time values 1 (1855 FF) thousas   Rices 680.00   2.24   335.   1 (1855 FF) thousas   Rices 680.00   2.24   335.   1 (10.2   3.33   327.   3.50.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00   3.10.00	PEARS -3 D 272 7 366 2 653 3 16C 4 65 6 528 1 777 9 1346 3 549	is -31 -25 ·	2 1 2 2 1 2 4 2 5	1 -12.5 -10 4 19 2 13 3 15 2 3 2 3 2 8 14 6 14	-7.9 -5 41 95 51 00 42 120 14 53 6 13 1 21 44 149 61 224 25 150	50 54 110 71 102 63 71 7 30 3 1 7 225 55 360 81 723 94		*15 *17.8 3 ? 1 ? 1 ? 1 . 3 1 ? 1 ?	1 1 2	9 •12 •39
ALTITUDE TIME VAUTICA	4 TOTAL	•	TABLE OF DERIVED V POR ALL ROUTE FOR T MONTH OF 8 NON-STORM C	ERTICAL GUI S COMBINED NE RECEMBER CHOITIONS	. 015781801	710N (FT./SEC.	•			
11000 971 (MOURS) MILES 0RLOW 1 0.	0 0 0 0 1 0 4 13 4 00 6 225 1 84 7 344	9 - 10 - 25	1 1 1	i 1 6 2 12	2 28 18 06 2 28 35 228 67 375	6 13 13 9 11 43 3 226 50 421 79 1	5 3 3 6 2 5 3 7 8	1 2	1	, ,,,,,
			51000 C00	0 I T I 045						
ACTITUDE TIME MAUTICA (1800 FF) (MOURS) MILES BELOW 1 1-24 1854 1152 1150 2 1-74 272. 2 10 5 4-77 900. 5 78 18 13.00 1870. 18 70 18 18 18 18 18 18 18 18 18 18 18 18 18	PEARS -3 3 107 7 105 9 362 7 132 6 03 6 1 2 12 0 7	5 -30 -25 - l	20 -17.5 -19 1 1 1 1		-7.8 -9 28 10 30 00 01 0 01 0 01 0 01 0 01 0 01 0	90 46 1 146 40 1 37 7 30 7		•15 •17.5 2 1 1 1 1	· 29 · 29 1 1 1 1	1
10TM 10.13 1062.	7 104	i.	1 7	13 34	04 255	27 150	) L9	• •	<b>)</b> 1	i 1
			5708# PLUS	100 - 1 TOA A						
ALTITUDE TIME NAUTICA (1800 PT) (HOURS) RILES		9 -10 -21 -	20 -17.5 -19	-12.5 -10	-7.5 -5	10m (FT./SEC.		·15 •17.5	-20 -21	• • • • • • • • • • • • • • • • • • • •
00100 1 1.20 101. 1 TO 2 1.74 272. 2 TO 5 4.77 970. 3 TO 10 3.00 1070. 10 TO 15 3.04 1000. 15 TO 20 3.41 1221. 20 TO 25 5.74 2241.	3 107 7 105 0 362 7 102 4 03	1	1	9 11 9 17 1 19	24 20 14 34 36 44 5 34 6 4 7 31	33 47 1 144 49 1	• • • • • • • • • • • • • • • • • • •	2 i 1 i 1	1	1
20 70 29 5.74 2241. 25 70 10 30.03 12412. 30 70 30 27.02 14042. 46045 35 09.20 42657. 40141 187.70 7000.	1 66	1	1 1	: ::	19 89 7 10 20 243 143 430	90 11 63 3 253 31	1 1	;	1 ,	

# TABLE DOG DESTRUCTIONS OF DESIRED VERTICAL GUST VELOCITY FOR THE ROUTE SETMECH TIMES AND DESIRED.

	NON-5704#	- CONDITIONS			
ALTITUDE TIME VAUTICAL (1840 PT) INDUSS) MILES BELOW 1 C. 3. 1 TO 2 C. D. 2 TO 3 D. 9. 9. 10 TO 15 D. 3. 10 TO 15 D. 3. 10 TO 15 D. 3.	7074L PEAS -35 -35 -25 -2C -17.5 - 0 0		11901100 (FT./SEC.) -5 +5 +7.5 +10	+12.5 +15 +17.5 +23	•29 •33 •39
15 TO 23 0.67 223.0 20 TO 25 1.70 64.3 25 TO 30 11.23 4857.0 30 TO 30 7.76 1453.6 46000 35 5.65 1463.2 TOTAL 27.31 11759.6	3 3 10 111 5 112 1	,	1 2 1 2 4 3 4 3 1 4 3 53 41 4 3	1 1	
	-1.	040111045			
ALTITUDE TIME VAUFICAL (1893 FT) HOUSES HILES BELOW 146 05.0 1 TO 250 86.5 2 TO 5 1.44 279.5 5 TO 1271 104.6 10 TO 157 209.6 15 TO 2011 35.2 23 TO 2512 96.7 25 TO 3 2.17 71.6	55 15 138 21 6 0	UDE DIST 15 -12.5 -10 -7.5 1 1 4 8 1 7 15 2	ALBUTION (PT./SEC.) -5	*17.5 *15 *17.5 *23 2 1 1 1 2 1 1 1 1 1	•25 •30 •35
33 TO 35 C.13 54.6 480VE 35 C.56 251.3 TOTAL 4.88 1298.5	350 350	1 2 15 31	7 13 97 21	• 1 1 7	
		IS NON-STORM			
ALTITUDE TIME TAUTICAL LIDCO FT) (HOURS) MILES	TOTAL -35 -30 -25 -20 -17.5 -	UDE DEST	niaution (Ft./SEC.) -5 +5 +7.5 +10	•;¿.5 •15 •17.5 •20°	•25 •12 •15
BELOW 1 C.46 85.0 1 TO 2 0.50 86.5 2 TO 5 1.44 279.5 5 TO 10 C.71 146.6 13 TO 10 0.67 239.6 13 TO 2. 1.70 259.0 20 TO 25 1.92 681.8 23 TO 3.5 11.91 4904.5	55 75 136 21 6 3 3	1 7 15	11 10 13 2 15 20 15 5 20 50 19 12 7 10 2 3 2 1 2 1 2	1 1	ve, v,, v,,
30 TO 35 7.88 3485.2 ABOVE 35 6.42 2874.3 TOTAL 32.19 13054.3	111 27 492 1	1 2 15 10	46 56 6 3 8 17 125 180 53 24		
ALTITUDE TIME WANTICAL (1600 PT) (MOURS) MILES 0610M 1 P.	TINGER AF Thavis are For Winter	NITE SETMENM S, OKLAMOMA ND , CALIFORNIA I TWE I SEASON COMBITIONS	RIBUTION (FT./SFC.)	•15 •15 •17.5 •22 ·	•25 •32 •35
BELOW 1 2	C B B C C C C C C C C C C C C C C C C C	<b>0</b> 401 7 2045	ž		
ALTITUDE TIME WAUTICAL 11863 FF1 (HOURS) MILES	TOTAL PEAKS -35 -35 -25 -20 -17.5 -	UDE DIST	118UTION (FT./SEC.) -5 +5 +7.5 +10	•12.5 •15 •17.5 •20 •	
Bet Out 1	3 6 7 7 2 8 9 9	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
			• 11 • 2		
ALTITUDE TIME VAUTICAL	101/4	6 MBN-STORM VOC 01578	190710m (FT./SEC.)		
11000 PT   1100UTS   1110T   110T   110T	PEARS -35 -36 -25 -26 -17,5 -1	15 -12.5 -10 -7.5 1 1	-9 •5 •7.5 •10 • 1 1 1 1 1 3 - 1 4 1 1 1 2	012.5 015 017.5 <b>02</b> 6 (	es •33 •35
TOT4 7.53 2033.3	27		6 13 4 2		

# TABLE DSC DISTRIBUTIONS OF DERIVED VERTICAL GUST VELDCITY FOR THE ROUTE BETWEEN TINCER AFB. ORLANDMA AND TRAVIS AFB. CALIFORNIA FOR THE AUTUMN SEASON

### NON-STORM COMBITIONS

				100-510E	M COMBITI	045										
1 10 2 2 10 3	TIME NAUTICAL (MOUNTS) MILES 0. 0. 0.	PEARS 0 0	-15 -10 -25	-20 -17.5	-15 -12.5	-10	01571 -7.5	-5	139 IFT •\$ •1	./SEC.) .5 •10	•12.5	•15	+17.5	-20	• 25	•12 •35
\$ TO 13 13 TO 13 15 TO 23 26 TO 23 25 TO 33 30 TO 33 400VE 35 TOTAL	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	0 3 1 10 111 5	1				,	1 4 4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	33 6	. ,	1 1 2			1		
				\$104.4	COHD   1 104	s										
ALTITUDE (110C, F1) 0ELOW 1 1 TO 2 2 TO 5 5 FO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30	TIME VAUTICAL HOURS! RILES C-28 39-3 -3 -25 48-9 1-17 220-7	10TAL PEARS 12 69 131 14 4 3	-35 -35 -25	-20 -17.5	-15 -12.5 1 1			-5 11 14 27 4	27	./SFC.1 :5 +10 :2 : :2 : :2 : :4 : :4 : :2	*12.5 2 2 1		• 17.9		•25	•13 •15
30 TO 35	0.13 54.6 0.36 251.3	55					2	,	13							
TOTAL	3.06 1076.3	295			1 2	15	31	••	100	*> 19	•	ı	1	2		
ALTITUDE	*****			STORM PL	us MON-ST					./580.1						
11000 FT1 PELOW 1 1 TO 2 2 TO 5 5 TO 13 10 TO 13 15 TO 20 20 TO 25	TIME NAUTICAL (HOURS) MILES W.28 39.3 U.25 48.0 L.17 223.7 L.57 157.0 L.60 203.0 L.23 453.0	TOTAL PEARS 52 69 131 14	-39 30 -25	-20 -17.5	-15 -12.5 1 1			-5 11 14 27 4	27	.5 +10 12 1 12 5 14 11	1		•17.5 1	1	•25	• • • • • • • • • • • • • • • • • • • •
25 10 3: 30 10 35 480VE 35	5.76 2488.7 7.88 3485.2 6.47 2874.5 24.66 10121.0	13 111 27 425	1		1 8	15	5 2 16	110	17	6 1 •9 22	i .	ı	ı	,		
ALTITUDE (1000 FT) RECOM 1 1 TO 2 2 TO 5 5 TO 1	TIME -AUTICAL IMBURS) MILES U. 3. 3. 3. 2. 3.	P( 445 0 0	-35 -3' -25	FOR THE R TIMER A TRAVIS AF FO MONTH O	OUTE BETW FR. ORLAN AND R. CALIFO R. THE F OLTUBER P COMDITE	PPN OMA RVIA ONS	0151	L] Poli	04 IFT	-/SEC.1 -5 +10	•12.5	•13	•17.5	•2.	125	•13 •15
10 TO 15 15 TO 20 20 TO 25	1. 22 73.6 1. 22 73.6	3						ı	2							
25 TO 32 30 TO 35 ABOVE 35 TOTAL	7: 244.3 u.42 171.6 6.36 2703.1 5.65 2623.2 13.26 5616.3	3 3 5					l l	1 23	13	1						
				51048	COND 11104					./310.1						
0 Ft (hi 1 1 70 2 2 70 5 5 70 10 10 10 10 10 10 10 10 10 10 10 10 20 20 20 20 20 20 20 20 20 20 20 20 20	TIME NAUTICAL INDUSTS MILES C6 lo1 lo1 221 lo1 21 lo1 21 lo1 lo	47 40 126 1	-35 -30 -25	-20 -17.5	-15 -12.5 1 1 1	-16		-5 10 12 27 1	23	.1 -10	•12.5 1 ? 1		1	1	•21	•••
SE TO 35 AROVE 35 TOTAL	0.13 59.6 0.56 251.3 2.91 660.5	5.95 5.5			1 2	15	26	59	11	42 17	,	1	1	1		
				STORM PL	US 404-51	ne n										
ALTITUDE	TIME VAULICAL	TOTAL PEAKS	-15 -10 -25	-20 -17.5	-15 -12.5			I But I	04 151	./SEC. )	•12.5	+15	17.5	•20	• ? 1	•17 •33
001 00 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25	0.06 10.1 0.12 20.1 0.92 17.00 0.19 100.6 0.14 102.5 0.13 100.6 0.02 295.9	47 40 128 1			1		10	10	23		1		i			
25 TO 30 30 TO 35 ABOVE 35 TOTAL	0.57 233.3 6.10 2754.7 6.42 2074.5 16.17 6678.5	33 27 303			1 2	15	1 2 27	10 0 79	17 117	-0 1 B	,	ı	1	,		

# TABLE DoDISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE DETUEN TIMER APP. GREAMMA AND TRAVIS APR. CALIFORNIA FOR THE ROUTH OF HOVERBER

ALT I TUDE	1196	MAUTICAL	1014					UDE 0151	A 1841	100	FT./5	FC . 1					
11035 F11 BELDW 1 1 TO 2 2 TO 5 5 TO 13 13 TO 15	IHOUR!	i) Mices 3. 3. 0.	PEARS 0 0 0 0	~35 -30	-25	-20 -17.5	-15 -17.5	-10 -7.5	-1	• 5	• 7.5	•10	•12.5	•15 •:	17.5 +23	• 25	•>> •>>
15 10 2 20 10 25	6.41	137.0	i						Ţ								
25 TO 30 30 TO 35 480VE 35	1.49	733.5 733.5	10		1			•	20	37	٠	2	ì				
TOTAL	7.54	2225.0	**		ı			•	33	43	٠	3	2		ı		
						51004	COND 1 7 10 4 5	i.									
ALTITUDE	11=6	MAUTICAL	TOTAL					UDE D157		104 (1	1./5	c.,			24	- 11	
0410= 1	0.22	29.2 20.9	PEARS	-11 -10	-27	-26 -17,5	-15 -12.5	-10 -7.5	-5 1	**	1	•13	•12.5	•15 •1	7.5 -20	. 52	•33 •35
2 TO 5	1.17	35.7							,		•	2					
15 10 15		6.															
26 13 25 25 10 33 32 10 35	3. 12	15.1	3						ì	2							
ABOVE 35		217.5	2					•	,	15	,	,	1				
2//										•		Ĭ	•				
4. 111.004	1106	VAUTICAL				STORM PL	US ****** STO	MM UDE D157		10- 14	•						
INDC: FT1	INOUA S	1 HILES	PEARS	-35 -30	-25	-26 -17.5	-19 -12.5		-3		7.5	•15	•12:5	•15 •1	7.5 +27	•25	•13 •35
1 10 7	5.25	30.7	;					1	1	;	\$		·				
9 10 LC 10 10 LS 15 10 22	3.17 3.19 5.27	49.3 49.4	3					,	,	•		1					
\$3 TO 25	3.19	197.0	13		t				l S	•			ı		1		
30 10 15 400vt 35	0.	753.5	78					•	24	37	•	3	ı				
TOTAL	1,41	1447.4	155		1			•	•0	55	•	٠	,		1		
						TRAVIS AF	TB, GRLAND AND B, CALIFOR B THE P DECEMBER	*14									
ALTITUDE	1100	MAUTICAL	TOTAL			NON-5109	C0001110	VOE 01579									
RELOW L			PEARS	-11 -10	-21	-20 -17.5	-15 -12.5	-18 -7.5	-9	.,	7.5	13	12.5	•15 •11	. 5 -20	.52	• 33 • 35
1 10 2 2 10 1		3.	0														
10 10 19	C.	3. 3.															
25 10 25	3.45	. 120.7	3							\$							
35 TO 35 480VE 35 TOTAL	6.	2712.9								2							
1110/25		• • • • • • • • • • • • • • • • • • • •					m ===			•							
44 11 1000	1100	MAUTICAL	1014			STORM	CH01 T 1045	UDE DISTA	I Aut I	DM 453	. / \$8	. 1					
11000 FT1	0.10	75.4		-35 -30	-25	-20 -17.5	15 -12.5		- 5	15 1	1	10	12.5	.15 -17	.5 -20	•25	•33 •35
1 10 2 2 70 3 1 10 13	0.25	39.6 56.6 36.7	ţ					ì	1	1	3	ı					
10 10 13	0.10	17.0	į						ì	i							
20 10 25 25 10 33 30 10 35	0.	3.															
400VE 35	1.03	9. 3. 228.4	3					,	٠	11		2					
							W120 100			•••		·					
ALTITUDE	1106	VAUTICAL	TOTAL			STORM PLO	1 HON-5104		1 But I	COM . 1 F T	. / 46	. 1					
000 FT 1	LHOURS!	25.4	PE 445	-35 -30	-5.8	-20 -17.5	15 -12.5 -	15 -7.5	-1	1 1		13 •	12.5	15 -17	.1 +20	•55	•33 •35
1 TO 2 2 TO 3 1 TO 13	3.27	34.6 58.8 36.7	,					ì	L	1	)	ı					
10 10 15	0.17	57.0 50.1	2						i	ı							
26 TO 25 25 TO 33 30 TO 35	3.45	1423.6								1							
480VE 35	0. 0. 7.53	? ****. )	,					,	•	13		,					

### TABLE DOG DISTRIBUTEIMS OF DERIVED FRITICAL GUST VELICITY FIR THE ROUTE BETWIEN TRAVIS AFB, CALIFORNIA AND RELLY AFB, FERAS

						NO	M-510	-	40111	ONS												
ALTITUDE (1303 FT) BELOW 1 1 TO 2 2 TO 5	induns:	3. 3.	*! AES	-35 -	10 -25	-20	-17.5	-15	-12.9				110H (			•12.	9 •15	•17.	53	•25	• • • • • • • • • • • • • • • • • • • •	15
5 TO 15 10 TO 15 15 TO 23	÷.	0. 3. 163.7	5 C									_										
20 10 25 25 10 32 30 10 35	2.94 (.9)	1276.2 399.2 4375.0	2									1	30	2	1							
ABOVE 35	21.25	3532.3 9446.3	34									15	35	5	1							
							STORM	,C 0%P	11104	s												
ALTITUDE (1333 FT) BELOW 1		VAUTICAL MILES 19.3	PEARS	-35 -	10 -25	-2-	-17.5	-15	-12.5		-7.5	#   PU1 - 5	I ION (	F1./S	•13	•12.5	+15	•17.9	• 22	•25	• >> • >>	•
1 TO 2 2 TO 5 5 TO 1	1.54	54.8 215.9 144.8	97 92					1	ı	2 1 1	•	10	26 11	L2	3	1	,	1				
13 10 15 15 10 23 24 10 25	6.53 7.75 7.51	176.5 17.8 218.9	21							·	•	,	15	i	5		ì					
25 10 13 33 10 35 400VE 35	c.	3. 3.	0									·	Ť	•								
TOTAL	3.10	075.2	105						5	٠	22	31	79	23	13	5	•	2				
AL TITUDE	1104	AUTICAL	TOTAL			\$1	()4M P1	LUS Y	O4- S T													
011000 FE1	Call	19.3	PEARS 10	-35 -	37 -25	-21	-17.5	-15	-12.5	-10	-7.5	-5	3	•7.5	•13		*15	•17.5	•23	-25	•32 •3	\$
1 10 2 2 10 5 5 10 1,	1.14	34.8 215.9 100.8	50 95 90					ı	ı	} ! !	1	11	20 24 11	12	;	ì	2	1				
15 to 27	0.52 3.45	176.5 181.5 1495.0	21 1 54								•	11	1 39	1	1		1					
25 10 3. 36 10 35 ARDVE 35	9.25 7.67	309.2 4073.0 3532.3	3									1 2	2									
1014	24.43	10315.4	235					ı	a.	•	22	45	114	25	14	3	•	,				
				DISTA	E PLET E CIP	F (M 7 M A	DERIVE THE E VIS AF	OUTF O. C AND AFR, OR TH OG SF	RTICAL BETWI ALIFON TEXAS E ASON	61 M 8 M   A 5	T VEL	0C 1 F V										
ALTITUDE 11303 FT1	I HOURS		TOTAL PEARS	-35 -	32 -25	- 20	-17.5	-15	-12.5	-10	-7.5	-5	10% (	FT./50	·10	.12.5	•15	•17.5	• 29	•25	• >> • >>	5
0 FL Ow 1 1 TO 2 2 TO 5 5 TO 10	٥.	0. 3.	9																			
10 10 15 15 10 25 20 10 25	35.0	72.2											ı									
25 TO 33 35 TO 35 400VF 35	0.24 2.26 1.76	107.1 213.5	0 0 1									1										
TOTAL	7.67	4619.4	:									,	,									
							STORM	C (DHO	I T 10#1				104 (									
ALTITUDE (1900 PT) BELOW L	S. JE	2.5	PEARS	- 35 -	30 -34	- 20	-17.5	-15	-12.5	-10	-7,5	- 5	• 5	•7.5	+13	•12.5	•15	• 17.5	•20	•25	•33 •39	b.
1 10 2 2 10 3 3 10 10	0.36	193.4	26					1	1	ı	1	2	Ť	ì	,	ı	2	i.				
19 10 20 26 10 25	0.10	**.1	0										ı									
25 10 33 30 10 35 ABOVE 35	c. e. 3.	3.	0 6 3												11							
TOTAL	1.13	257.5	••					i.	1	1	٠	,	1 4	•	٠	1	,	\$				
AL TITUDE		MAUTICAL					OMA PL			U 04	01310	IBUT	104 1	11./50	<b>(.)</b>							
11000 FT1 0ELOw L 1 TO 2	0.32	14.6	PEARS	- 35 -	35 -29	- 10	-17.5			-10	1	•	•		,		•15		. 20	•75	• 35 • 31	•
2 TO 3 5 TO 13 10 TO 13	0.96	100.6 75.7 64.1	26					ı	1	1	ì	i	7	ì	3	ı	2	1				
25 TO 25 25 TO 25	0.24	72.2 94.3 137.1	0										ı									
30 TO 35 480VE 35 TOTAL	1.76	913.5 3532.3 4074.9	34					ı	1	ı	•	10	17	,	٠	ı	2	2				

# TABLE Dic DISTRIBUTIONS OF DERIVED VERTICAL BUST VELOCITY FOR THE ROUTE BETWEEN TRAVIS APP. CALIFORNIA AND HPLLY APB. TEXAS FOR THE SUMMER SEASON

M 0017 - 4000	COMBITIONS

								N	12-PD	06 #	COMO	1110~1	•												
DELDM 1 TO	1 0 2 0	OUR S	MAUFICAL D. HILES	FEARS 3 0	-31	-30	-25	- 20	-17.	s -1	5 -L	2.5 -1	DE -	0 I S 1 7.9	4 1 0U1 -5	11 ON	1F1./S	€C.) •10	•12.	5 •1	5 •17	. 5 -20	+2	• • • • • •	• 15
5 TO 1		•	3. 3. 3. 42.4	0																					
30 TO 3	10 0 15 5 15 1	.17	67.4 70.7 2334.7 0.	0												2									
TOTAL	•	. 70	2543.2													2									
AL TITUS		. 10	VAUTECAL	TOTAL					STOR	M CO	NDET		22												
1 TD	11 (H	OURS	13.3 23.6	PFARS	-35	-32	-25	-50	-17.	5 -1	5 -12	2.5 -1	) -	7.5	-5 3	104 • 5 3		•10 1	•12.5	•15	•17.	.5 +28	•25	•13	• 35
2 TO 1 5 TO 1 10 TO 1	3 6	. 23	55.3 50.4 60.3	0 0 1												ı									
25 TO 2 25 TO 3	5 0	:	0. 3. 0.																						
TOTAL	5 C		219.7	13											٠	٠		ı							
								\$1	roa#	PLUS	<b>404-</b>	STORM													
	1) (#	OUR S	WAUTICAL MILES	PEAKS	₹ -35	-30	-25	-50	-17.	s -19	5 -12	.5 -1	DE E	1.5	- 5	. 5	1FT./SI		•12.5	+15	•17.	2 +50	•25	•33	• 35
2 TO 1	5 6	. 29	13.3 25.4 55.3 50.8	1											3	2		ı							
10 TO 1 15 TO 2	5 3	. 17	68.8 62.4 67.4	6																					
35 TO 3	3 0	. 19	78.7 2334.7 2.	5												2									
TOTAL	•	. 77	2750.9	15											٠	•		1							
					D151	FR 1 80'	r cons	FOR	DERT	ROUT		CAL GI		VEL:	X I T Y										
								784		AND	. TE	FOR41	•												
									AUT		EASO														
ALTITUO			MAUTICAL	TOTAL					>>- \$ T C			ut	e 0	1571	IOUT	IDN (	FT./SE	c. j							
11000 F 6FLOw 1 10 2 10	, :		) #ILES 3. 8.	PEARS	-)1	-35	-25	- 79	-17.5	-19	-12	.5 -10	-7	. \$	-1	• 5	• 7.5	•10	•12.5	•15	+17.5	+50	•25	• • • • • • • • • • • • • • • • • • • •	15
\$ 70 L			3. 3. 20.1	3																					
25 TO 2 25 TO 3 30 TO 3	3 2.	. 5 3	1114.4 213.4 926.0	42											٠	30	ł	ı							
TOTAL	` ;	22	2203.7	42											٠	10	2	ι							
									s rone	CON	01710	245													
BELOW	1) 100	urs :	WAUTICAL BILFS 3.9	101 AL	-35	- 30 -	25	- 20	-17.1	-15	-12	. 5 -10	E 0	5 TR	-9 L		* T./SE * 7.5		12.5	-15	•17.9	+20	•25	•33 •	33
5 TO 1		13	19.7 63.6 32.7	35 13								ì		2	•	10	:	•	ı						
10 TO 1 15 TO 2 20 TO 2	9 9.	13 45 51	17.0	20 3										•	3	•	i i	2		ı					
25 TO 3 30 TO 3 400VE 3			3.	3																					
TOTAL		10	394.9	124							1		1	•	30	**	10	٠	1	2					
ALTITUM:			VAUTICAL			••			DAM P			ve	€ 01	STR	IOUTI	DN 11	1./8	(,)							
1100 F		13	19.7	•	- 35	- 13 -	45	- 50	-17.5	-15	-11	,	-7,	•	1	12	ŀ	•10 •	12.5	1	17.5	• 20	•25	• >> •	35
3 TO 1:		13	32.7	13								1			5	11	1	,		ı					
15 10 21 20 10 21 25 10 M			47.0 1333.3 213.4	*											11	39	•	1							
40046 35		40	2403.7	100							1	,	ı	•	29	••	20	7	ı	2					

# TABLE Dee DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BE-WEEN TRAVIS AFR. CALIFORNIA AND KELLY AFR. TERAS FOR THE HONTH OF H. IN

### NON-STORM COMBITIONS

ALTITUDE (1200 FT) BELOW I 1 TO 2 2 TO 5 5 TO L5 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35	U-20 U-20 U-26 U-76		TOTAL PEAKS	-35 -36 -25	-20 -17.5	-15 -	12.5	UDE -10	DISTR -7.5	-5	10m (F	t./si 7.5	*10	•12.5	•15	•17.5	• 20	•25	****
TOTAL	7.67	4619.4	:							,	3								
					STORM	CONDI	T1045												
ALTITUDE 11000 FT1	IHOURS	1 MILES	TOTAL PEAKS	-35 -30 -25	-20 -17.5	-15 -	12.5	UDE	DISTA -7.5	18011	DN IF	T./50	·10	•12.5	+15	+17.5	-50	• ? 5	+33 +35
9 TO 5	12	2.5 19.6 19.6	14 26				ı		1	•	•		3	ı		ı			
5 TO 13 13 TO 15 15 TO 2-	U.19	75.7 64.1	7				•	1	ì	i	ı	1			3	1			
20 10 25	5.	). ).	٥																
30 TO 35 AROVE 35 TOTAL	;; ;;;;	3. 257.5	48			1	ı	ı	•	7	14	5	٠	1	2	,			
					STORM PI	LUS NO	<b>4</b> -5 TO	24											
ALTITUDE		VAUTTCAL	TOTAL PLAKS	-35 -3: -25	-2C -17.9	-15 -	12.4	∪ <b>0€</b>	01574	IBUTI	DN IF	7./55 7.5	C.1	.12.5	•15	•17.5	.28	•25	•32 •35
1 10 2	31.52	2.5	14					••	ı	•	•		3		•		•		
2 TO 5 5 TO 1 10 TO 15	26	10 75.7 64.1	26			ì	ı	ı	i	1	1	ì	,	1	5	1			
15 10 2. 24 10 25 25 10 32	24	72.2 94.3 107.1	ì								ı								
30 T3 35 ABOVE 35	7.67	013.5 3532.3 4676.9	94			1		1		1 2 10	2	,	٠	1	2	2			
1014	11.26	*****	_			٠	٠	٠	•	.,	•	,	•	•	٠	•			
ALTITUDE (190: FT) BELON 1 L TO 2		YAUTICAL 1 MRLES 3. 3.	TOTAL PEARS	-15 -3C -25	FOR THE A TRAVES AF  RFLLV FO HON-STOR	OUTE ( PB. CAI AND AFB. 1 M THE IF JI	BETWEF LIFORT TEXAS ULY DITTO	N N N N N N N N N N N N N N N N N N N	DISTA	1 <b>8</b> u 1 1	DN: (F) +5 +1	1./SE	C+1 +10	012.5	•15	•17.5	•20	•25	•33 •15
2 0 5 5 10 1 5 10 10 10 10 10 10 10 10 10 10 10 10 10	5.17 2.17 2.19 5.36	2. 0. 62.4 67.4 70.7 2336.7	2								2 2								
					STORM	COMOS	11045												
ALTITUDE (1900 FT) BELOW I 1 TO 2 2 TO 5 5 TO 15 15 TO 23 20 TO 25 25 TO 35 36 TO 35		VAUTICAL HILES 13.3 20.4 59.3 58.4 60.3 3.	TOTAL PEAKS	-35 -30 -25	-20 -17.5	-15 -			DISTR!	19UT1 -5 3 3	DN (F1 +5 >1 3 2 1	. / 55	E.1 •10 •	12.5	•15	•17.5	• 23	•25	•39 •35
ABOVE 35	3.	215.1	13							•	•		1						
					STORM PL	.us wo	-510												
ALTETUDE 13/00 FT1	I HOUR'S		PEARS	-35 -30 -25	-26 -17.5	-15 -1	12.5 -		01518	-5	+5 +1			12.5	•15	17.5	· 20 ·	-25	. >> . >>
0fLOw L 1 10 2 2 70 5 5 10 15 10 10 15 19 10 20 26 10 25 25 70 30	0.00 0.12 0.23 0.20 0.21 0.17	13.3 23.6 35.3 30.6 62.6 67.6 70.7	3							;	1		1						
36 TO 35 A8GVE 35 TOTAL	3.36 0. 0.77	2334.7	19							•			ı						

# TABLE Dig DISTRIBUTIONS OF DERIVED VERTICAL BUST VELOCITY FOR THE ROUTE BETWEEN TRAVIS APB. CALIFORNIA AND KELLY APB. TEXAS FOR THE MONTH OF NOTWERDER

ALTITUDE	TIME	MAUTICAL	TOTAL					VOE	DIST	11811	104 1	FT./5	ec.ı						
11000 FT1			PEAKS	-35 -38 -25	-20 -17.5	-15 -1	2.5	-10	-7.5	-5	• 5	•7.5	-10	.15.2	•15	.17.5	• 5 0	.23	•33 •35
SELOW I	0.	3.	•																
1 TO 2	0.																		
3 10 10	0.	5.																	
10 10 15	0.																		
15 TO 20	0.07	29.1	115																
20 TO 25	2.53	8114.4	42							•	30	2	1						
25 TO 30	8.48	813.4	•																
30 TO 35	2.13	126.0	•																
TOTAL	3.22		42							•	30	2	1						
TOTAL	3.22	n 203.7	• 7							•		•	•						
					\$10**	-	I OPIS												
ALTITUDE	TIME	MAUTICAL	TOTAL					UDE	DEST	TUBIS	100 (	FT./S	#C.1						
11000 FT1			PEARS	-35 -30 -25	-20 -17.5	-15 -1	2.5			-5		+7.5		.12.5	-15	.17.5	+ 20	.25	+38 +35
DELOW 1	2	3.5	•				1			1		1			- 1				
1 10 2	0.13	19.7	44					5	•	4	15	•	•	1					
5 40 2	0.23	60.0	35					1	2		10	•							
5 10 10	6.10	32.7	13							3	11		_						
10 70 15	6.13	17.8	20						•	3	•	ı	2		ì				
29 10 23	0.35 v.51	210.9	15							2	•	1							
25 10 20	6.	3.	i							•	•	•							
30 10 35	i.	i.	ě																
ABOVE 35	ζ.	4.	16																
TOTAL	1.14	394.9	154				1	3	14	20	59	1.0	•	1	2				
					STORM P	LUS 1000	-5 7 00	M											
AL TITUDE	****		****						DIST										
11000 FT1		MAUTICAL MILES	PEAKS	-15 -30 -25	-20 -17.5	-15 -1				-3				.12.5	-15	.17.5	. 20	.25	.33 .35
BELOW I	6.02	3.5		-,, -,, -,,			1	••		í	•	i	•••		1		•		
1 10 2		19.7	43				-	2	•		15	•	•	1					
2 10 5	0.23	40.3	33					1	2		1.0	•							
3 10 15	J. 10	32.7	13							2	11								
10 TO 15	0.13	84.4	20						•	3	•	1	2		ı				
15 10 23	6.15	47.0								11	3.	3	1						
20 TO 25	3.04	213.4	54								, ,	•							
30 10 35	2.13	926.4																	
ABOVE 35	3.	0.																	
TOTAL	4.48	2 440.7	100				1	3	1.4	29		20	7	1					

### TABLE DIS-DISTRIBUTIONS OF DERLYED VEHICLE SUST VELOCITY FOR THE ROUTE DETWEEN TRAVES AFBL CALIFORNIA

### ON-STORM COMMITTONS

						1101	-5104	- COM	ET IONS											
1 TO 2 2 TO 3	TIME N (HOURS)	** NES	TOT AL PEAKS	-35 -30	-25	- 20 -	17.5	-19 -1					**************************************		•12.5	•15	-17.5	-20	-23	•33 •15
3 FO 10 10 FO 15 15 FG 27 20 FO 25 25 FO 30 30 FG 35 400VE 25	0. C. 1.33 2.23 0.07 0.55	3. 495.8 903.4 367.9 3649.1	11 15 14							3	?	7 7 7	2	ı						
TOTAL	14.10	15004.3	**							,	21	33	5	1						
						s	7084	110003												
1 70 2 2 70 3 3 10 13 10 70 15 15 70 20	TIME (MOURS) 3-31 C-62 1-4274 G-93	45.3 105.4 207.1 213.5 176.1	7016L PEAKS 61 76 27 12 0	-35 -3;	-25	- x-	17.5	-19 -1	1 -10	-7.5	79 1001	1900 1900 1900 1900 1900 1900 1900 1900	97./56 •7.5 19 13 4	*10 *10 *	•12.5	•1 <b>5</b>	•17.5	•2)	•25	•33 •35
20 10 25 23 10 33 30 73 35 430VE 35	6.02 C.	3. 3. 6. 844.6	11 0 107						1 4	1 22	*	70	) 30	٧						
						510		US 1000	-s take											
ALTITUDE (1900 FT)	11ME %		TOTAL	-35 -33	-25						TR 1001		PT./52		12.5	•13	•17.5	. 29	•25	·30 ·31
000 00 1 1 70 2 2 79 5 5 70 10 16 70 15 19 70 20 20 70 25	7.31 8.62 1.42 5.74 6.53 1.33 2.23	45.3 195.4 297.1 213.5 176.1 495.6	61 76 27 12 11		•						2	23 10 7	19	5		i		•		•
25 10 33	0.09 0.50 23.44	375.1 3649.1 10391.7	25 12 8 747							1	12	11	40	•		1				
				DISTRIM	T LONG	FOR TRAV	PRIVE THE BI IS AF VER A	OUTE BE	ICAL GU ETWEFN IFORMIA AMARE		OC 1 7 Y									
						<b>#C</b>	STOR													
ALTITUDE (1800 FT) BELOW 1 1 TO 2 2 TD 5 5 TO 15 18 TO 15	11mg v. 1mguss 1 0. 3. 3. 3. 1.25	MITCAL MILES 3. 3. 0. 3. 3. 301.6	TOTAL PEAKS D D D C L	-35 -3?	-25	- 20 -	17.5	-19 -12	.5 -10	-7.5	18 1847 • 9	10n ((	71.75E	18 •	12.5	•15	•17.5	-29	-25	•33 •35
26 10 25 25 10 35 30 10 35 460VE 35 1/VAL	1.75 0.47 0.47 21.12	789.2 196.8 286.3 7365.2 13953.5	14 10 12 8							,	10	,		1						
						\$1	TORN (	00017	DAYS.											
ALTITUDE (1000 FT) (00100 1 1 TO 2 2 TO 5 5 TO 10 10 TO 19	TIME NA (MBJ05) J.15 U.30 0.70 U.30 J.29	196.8 101.4 196.2 3.	TOTAL PEARS 29 43 10 10	-35 -30	-25	-26 -1	17.5 -	-19 -11		-7.5	110ut -5 7 11 3	10m (**)	7./SEC 7.5 6 5		12.5	-15	17.5	20	-23	•19 •31
20 10 25 23 10 30 30 10 35 400VE 35 TOTAL	5. 8.62 6. 1.00	•52.•	111						2	1	3.	•	1 19	,						
						5 704	n PL	15 1001-												
A. T1740E (1000 PT) 06L0w 1 1 T0 2 2 T0 3 5 T0 10 10 T0 15 15 T0 20 20 T0 25 25 T0 30	1:RE 44 (#0,45:1 3.15 6.70 6.70 0.90 0.20 1.35 1.75	# N. ES 22.2 40.8 134.0 101.4 96.2 291.6 700.2	FDTAL PEAKS 20 43 16 10 0 3 14 21	-15 -30	-21	-30 -1	17.9 -	-19 -44			-9 -9 11 9 3	13 13	7.5ec		12.5 <	18 •	17.5	20	-29	•33 •35
30 TO 35	21.12	200.5	ij							•			•							

# TABLE 75c DISTRIBUT* 2.5 OF DERIVED VERTICAL BUST VELOCITY FOR THE ROU'S BETWEEN TRAVIS AFB, CALIFORNIA AND DOVER AFB, DELAWARE FOR THE SPRING SEASON

ALTITUDE (1000 FT BELOW 1 1 TO 2 2 TO 3 5 TO 13 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35 480VE 35 TOTAL	C. 0. C.JB 33.1 O.13 54.1 C.OB 35.7 2.44 1647.7	PEARS -	-35 -30 -25	-20 -17.5 -15 -12	UDE DISI .9 -16 -7.9	TR:BUTION -5 +3	(FT./SEC.) (+).5 +10	*12.5 *15 *17.5	•20. •29	•33 •33
				STORM CONDITIO	PAS					
ALTITUDE (1000 PT 8ELOW I 1 TO 2 2 TO 5 7 TO 1J 10 TO 15 15 TO 20 20 TO 25 25 TO 35 30 TO 35 ABOVE 35 TOTAL	) (HOMRS) 42LES U.14 6.5 0.35 8.3 U.10 43.9 0.27 23.7 U.07 23.6 0. 3. 0. 3. 0. 3.	PEARS -	-15 -30 -25	-20 -17.5 -15 -12.		-5 +5	10 1	+12.5 +15 +17.5	•20   •25	•33 •35
				STORM PLUS MON-	TORM					
ALTITUDE (100C FT 0ELOW 1 1 TO 2 2 TO 5 5 TO 1/ 10 TO 15 15 TO 2/ 23 TO 2/ 23 TO 3/ 30 TO 35 ABOVE 35 TOTAL	1 (HOURS) MILES 3.04 6.5 0.35 6.3 0.18 43.5 0.7 20.7 0.37 23.6 0.13 54.1 0.08 39.1 2.44 1047.7	TOTAL PEAKS - 26 13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -35 -25	-20 -17.5 -15 -12.		RIBUTION -5 +5 + 9 + 6 + 6	1FT./SEC.1 •7.5 •10 •10 · 1 •2 · 1	12,5 +,5 +17,5	•29 •25	• >> • >>
			STRIBUTIONS	TABLE DS4 S OF DERIVED VERTIC FOR THE ROUTE SET TRAVIS AFR, CALIF FOR THE AUTUMN SEASON MON-STORM COMDET	MEEN ORNIA WARE					
ALTITUDE (1000 PT 8ELOW 1 1 10 2 2 TO 3 5 TO 13 10 TO 15 15 TO 23 23 TO 23 23 TO 33 30 TO 35 ABOVE 35 FOTM	TIME MAUTICAL ) (MOURS) MILES 0. 0. 0. (c. 0. (c. 0. 0. 0. 0. 0. 0. 0. 0.20 79.0 0.339 137.3 (c.32 133.4 5.39 2312.9 6.17 72.9 6.42 2729.1	TOTAL PEAKS - 0 C C C 0 8 1 1 4 0 13	99 -30 -25	-26 -17.5 -15 -12.	5 -10 -7.5	1 3 1 2 2 3 8	2 2	+12.5 +15 +17.5 (	20 -25	•12 • 35
		84.7		STORM CONDITIO						
1 10 2 1 10 3 5 10 5 5 10 13 10 70 13 15 70 23 20 70 25 25 10 30 30 70 35 ABOVE 33	THE MAUTICAL 1 (MOUS) NILES U.12 16.7 (.10 27.2 0.55 97.3 (.17 96.4 0.7 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	P@AKS	35 -30 -25	-26 -17.5 -15 -12. 1	5 -10 -7.5 1 2	3 2 2 3 2 2	• 7.9 • 10 • 10 • 6 • 7	, 12.5 · 15 · 17.5 ·	20 +25	•32 •35
TOTAL	1.32 269.2	35		1	, ,	7 •	11 2	ı		
ALTITUDE	TIME HAUTICAL	101 At		STORM PLUS NOM-S		1180710N (	#1./MC.1			
	1 HOURS   WILES 		35 -30 -25	-20 17.5 -15 -12. 1	1 -10 -7.5 1 1 2			12.5 -15 -17.5 -	20 •25	+32 +35
101AL	1.75 3010.3	44		1	2 2	10 17	13 2	1		

# TABLE Die DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN TRAVIS AFB. CALIFORNIA AND DOVER AFB. DELAWARE FOR THE MONTH OF JAMUARY

						404-2	FURN CO	MU1110	•											
ALTITUDE (1000 PT 6ELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15	0. 0. 0.	o. o. o.	0000	-35 -30	-25	-20 -17	.9 -19	-12.5 -	10 -	D# 5 T 7. 5	-9	• •	F1./SEC +7.5	10 +1	2.9 •	15 •	17.9 +2	0 +29	•33	• 39
15 TO 23 20 TO 25 25 TO 32 30 TO 35 480VE 35 TOTAL	1.65 0.36 0.3 15.61 19.10	396.2 469.6 193.2 233.7 4862.9 8292.7	10 12 5							3	3	2 6 7 8 2 23		1						
						\$10	RM CO40	I T I DNS												
ALTITUDE	EHQUAS 1		PEAKS	-35 -30	-25	-20 -17	.5 -15	-12.5 -	10 -1	7.5	- 9	. 5	71./SEC	10 .1	1.5 •	15 •	17.5 +2	• 25	+33	• 35
BELOW 1 1 TO 2 2 TO 5 5 TU 10 10 TO 15 15 TO 20 26 TO 25	0.11 0.26 0.21 0.20	15.9 50.3 129.5 61.3 65.1 0.	29 41 17 4 0 0						ì	•	11	13	,	1						
25 10 35 30 10 35	0.32	7.2	11							1	,	•	1							
ABOVE 35	1.41	329.3	105						2	15	24	40	14	,						
						STORM	PLUS N	ON-5108												
ALTITUDE-		MILES	TOTAL	-35 -32	-25	-26 -17	.5 -15				-5		1./SEC			15 •	17.5 +20	•25	• • • •	33
1 TO 2 2 TO 5	0.11	30.3	20 41 17						1	•	11	!	•	1						
5 f0 17 10 f0 15	0.20 21	129.5 61.3 65.1									3	13								
15 TO 25 20 TO 25 25 TO 30	1.45	356.2	3 14 21							3	10	2		ı						
30 TO 35	0.53	230.7	12							٠	4	,	ı							
TOTAL	251	****	144						2	1.	45	6.3	14	•						
ALTITUOC		WAUTICAL MILBS	TOTAL PEAKS	-35 -30		FOR THE FOR THE TRAVES DOVE MONTH	E ROUTE AFB, C/ AND L AFB, ( FOR THI I OF FE!	RTICAL ( BETWEEN ALIFORNI DELAWARS E BRUARY HOTTIONS	A !	LSTA	IBUTI		7./SEC.		.4 .1	• • •	P. S. 420			
88LDw 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 23 20 TO 25 25 TO 30 30 TO 35 TOTAL	C. C. J. O. O. D. LJ L. LC C. L1 O. L3 J. S.	3. 3. 3. 3. 3. 39.6 49.6 57.7 2482.2 2669.8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								ì	2 2								•
						STUR	- COND	TIONS												
ALTITUDE	IHOURS 1		PEARS	-35 -30	-25	-20 -17.	9 -15 -	-12.3 -1	DE D	1 5 TA . 5	-5	DN (F	7./SEC. 7.5 •1	0 +12	. 5 +1	<b>5</b> +1	7.5 +23	+25	•10 •	15
1 TO 2	6.11	19.5	3							1	ı	ı								
5 10 10 10 TJ 15	2.13 4.69	42.1	•								•	5	1							
15 TO 25 26 TO 25 25 TO 30	0.	0. 2.	9																	
30 10 35 480VE 35	0.	ə. ə.	0																	
TOTAL	0.40	123.6	•							1	ı	٠	1							
AL 71 TUDE	1144	IAUTICAL	1074			STORM	PLUS NO	H-STORM					T./SFC.							
611000 FT1	B.34	HILES	PEARS	-35 -30	-25	-20 -17.	5 -15 -			. 9		•• •	7.5		5 +1	5 •1	7.5 -20	•25	***	35
1 TO 2 2 TO 5 5 TO 10	0.11	19.5 26.6 40.1	1							1	1	1	ı							
10 70 15	0.07	31.1	0									-	-							
20 TO 25 25 TO 30 36 TO 35	0.10 0.11 0.13	39.6 45.6 57.7																		
ABOVE 35 TOTAL	3.32	2462.2 2764.4	12							ι	1 2	2	1							

# TABLE DOG DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE DETREEN TRAVIS AFD. CALIFORNIA AND DOVER AFD. DELAWARE FOR THE HONTH OF MAY

				HON-STORM CONOL	TIONS					
ALTITUDE (1300 FT) (1300 F	TIME NAUTICAL (HOURS) HILES J. 5. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	PEAKS DODGE	-35 -30 -25	-20 -17.9 -19 -12	UDE DIST .9 -10 -7.5	alaution i -5 +9	PT./SEC.) •7.5 •10	*12.5 *15	*17.5 *20	•25 •30 •39
				STORM CONDETES	INS					
ALTITUDE (1909 PT) PELDM 1 1 FO 2 2 TO 5 5 FO 10 19 FO 20 20 FO 20 25 FO 30 30 TO 35 AROVE 35 TOTAL	11ME VAUFECAL (MOURS) RICES 0.34 6.5 0.35 6.3 0.18 43.5 0.27 23.6 0. 3.6 0. 9. 0. 0. 9. 0.42 102.6	PEARS 20 15 0 0 0 0 0 4	-35 -30 -25	-20 -17.5 -15 -12.	UDE DIST .5 -10 -7.5 2 2		PT./SEC.) •7.5 •10 10 1 2 1	•12.5 •15	•17.5 •20 ·	*25 *33 *35
				STORP PLUS NON-S	TORM					
9 ELOW 1 1 TU 2 2 TO 5 5 TO 1. 10 TO 15 19 TO 20 20 TO 25 25 TO 35 36 TO 35 480V£ 35	TIME VAUTICAL (HOURS) MILES (5-24 6-5 9-6-15 6-3 7-7 22-7 6-37 23-6 6-36-13 54-1 6-17 2-44 144-7 7-7 394-0	26 AKS 26 15 0	•15 •3° •25	-2C -17.5 -15 -12.	upe bist 5 -10 -7-5 2 2	• 1	•7.5 •10 13 I 2 I	*12.5 *15	*17.5 *20 *	.25 •33 •35
TOTAL	5.32 2224.3	41			•	R 19	15 5			
ALTITUDE 11900 PTI 9810W 1 1 TO 2 2 TO 5 5 TO 15 10 TO 15 15 TO 25 20 TO 25	TIME VAUTICAL (HOURS) MILES J	TOTAL PEAKS 0 0 0	DESTRIBUTEINS	TABLE DSh OF OFRIVED VERTIC FOR THE ROUTE BET TRAVIS AFB. CALIF AND OUVER AFB. DELA FOR THE MONTH OF NOVERB NON-STURM CUNDIT 2C -17.5 -15 -12.	MECH ORNIA MARE ER IONS UDE DISTI	LIBUTION II	17./SFC.) 7.5 •10	•17.5 •19 ·	•17.5 •22 ·	25 •17 •35
25 10 37	5.32 133.4 5.39 2312.9					, ;				
ABOVE 35	0.17 72.5 0.42 2729.1	13				, .	ı			
				STORM COMDITTO	NS					
ALTITUDE (1806 FT)	TIME MUTICAL	TOTAL	-15 -10 -25	-20 -17.5 -15 -12.		-5 -5		.12.5 -15 -	17.5 -20 -	25 •12 •35
BELOW 1 1 70 2 2 70 5 5 70 10 10 70 15 15 70 20 20 70 25 25 70 30 30 70 35 480VE 35	C.12 10.7 -116 27.2 0.53 97.5 0.33 91.6 -17 56.6 0. 0. 0.	0 0 0 0 0				3 3 2	1 2	ı		
TOTAL	1.32 209.2	35		ı	2 2	7 9	11 5	1		
W. Landing				STORM PLUS NON-S		14.10				
ALTIFUDE 1100C FT) 0ELOW 1 1 TO 2 2 TO 5 9 TO 10 10 TO 15 19 TO 20 20 TO 25 25 TO 92 30 TO 35 ABOVE 35 TOTAL	TIME NAUTICAL IMOURS 9 ILES C-12 10-7 0-10 27-2 0-13 91-4 0-17 56-4 0-20 73-0 0-32 133-4 3-32 133-4 9-17 72-5 7-75 3010-3	FOTAL PEAKS 10 10 2 0 8 11 4 0 0	-35 -30 -25	-20 -17.5 -15 -12. 1		19u710H (P		1	17.5 -20 -1	15 +32 +35

# TABLE Dis DISTRIBUTIONS OF DESIVES VERTICAL SUST VERTITY FOR THE ROUTE SETWEEN TRAVIS APS, CALIFORNIA AND CHARLESTON APS/RUNI, SOUTH CAROLINA

				NON-ST	DAM CON	19111045									
ALTIV 4 (1900 PT) 04:00 1 1 TO 2 2 TO 9 5 TO 10 10 TO 19 15 TO 20 20 TO 25 25 TO 30 30 TO 35	TIME MAUTICA (MOURS) MILES 0. 0. 0. 0. 0. 0. 0. 0. 0.35 120 0.32 130 3.04 1203 1.26 526	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -30 -29	-20 -17.5	3 -19 -			-1		FT./SEC. •7.5 •1	0 +12.5	•19	•17.5 •	50 · 5	3 •30 •15
ABOVE 35	14.53 6585	0 14				1		3	11	11 1		1			
				5.700 s	CONDI	TIONS									
ALTITUDE	TIME MAUTICA					UO			104 1	11./SEC.	1 :			Alt . e-	
11000 PT   0 EL OW 1	1HDURS) MILES 0-10 26- 0-31 56- 0-74 101- 0-35 121- 0-05 18-	1 21 1 21 1 35 1 10 1 7	-35 -30 -29	-20 -17.9	-19 -	12.5 -10 2 3	3	-9 3 2 19 1	13	•	6 1 9	*13	• ( 7. 9 •	70 ·21	• • • • • • • • • • • • • • • • • • • •
20 10 25 25 1 0 30 10 5 ABOVE 35 TOTAL	8.03 13. 0.06 23. 0.61 313. 0. 6. 2.97 888.	1 1 6 30 5 231		1 1	1	1 2 1 •	3	17 63	170		;	ı			
				STORM P	LUS NO	M-STORM									
ALTITUDE (1000 FT) BELOW L 1 TO 2 2 TO 5 5 TO 10 10 TO 19	FIME NAUTICA (MOURS) MILES D.10 20. 0.31 50. 0.74 101. D.42 134. 0.35 121.	PEARS 4 32 1 21 2 35 1 10	-35 -30 -25	-20 -17.5	-15 -		-7.5 5	TR   BUT -9 -9 3 3 19		71./SEC. •7.5 •1: •7	12.5	•15	•17.5 •	20 •25	•30 •35
15 TO 20 20 TO 25 23 TO 30 30 TO 35 480VE 55 TOTAL	0.40 147. 0.34 143. 3.10 1300. 7.07 840. 14.53 6385. 22.47 7545.	4 0 7 1 0 55 2 340		1	l l	2 1 2 2		1 23 102 3 154	20 100 11 240	34 14		2			
ALTITUDE	TIME WAUTICA		-14 -17 -21	40H-210		50H 01110HS	0151	IN LIBUT	104 17	1./SEC.1	12.5	•15	•17.5 •	0 +25	• 32 • 15
11000 PT1 BELOW I 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25	(HOURS) #1165 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.08 31.	P	-99 -30 -29			uo	-7.5	14 t BUT	10N 18	7./SEC.1	. 17.5	•15	*17.5 *	10 +25	•12 •15
25 TO 30 30 TO 35 ABOVE 35	2.72 1151. 0.83 341. 0.56 251.	7 129				1	•	39	40	11 10		1			
TOTAL	4.30 1016.					1	٠	44	71	11 16	ı	1			
ALTITUDE	TIME MAUTICA	I TOTAL		STORM	CONDI		. 0141	A I B U T	104 15	T./SEC.1					
(1000 FT) 02LOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15		PEARS 6 11 0 0 0 6	-35 -30 -25	-20 -17.5	-15 -	12.5 -10	-7.9	-9 1 3	3	7.5 •16	+12.5	•15	•17.5 •	13 +24	+38 +35
15 TO 20 20 TO 25 25 TO 30 30 TO 35 ABOVE 35 TOTAL	0.05 10. 0.03 13. 0.06 23. 0.01 313. 0. 0. 1.54 521.	5 0 1 1 6 38 5 231		1	1	1 4	10	17	124 151	3 3 23 4 27 9	ž	1			
				STORM P	LUS MO	N-5 TORM									
ALTITUDE (1000 FT)		PEAKS	-39 -30 -25	-20 -17.5	-19 -	12.5 -10	-7.5	- 5	** *	7./SEC.1	+12.5	•15	•17.5 •2	0 +25	*10 *11
00LOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20	0.00 13. 0.13 20. 0.15 43. 0.00 26. 0.12 41. 0.13 40.					ι	1	1	3 5 1	1 2					
20 TO 25 25 TO 30 30 TO 25 ABOVE 35 TOTAL	0.13 53. 2.76 1175. 1.64 655. 0.56 251. 5.03 2500.	) )ii		1	1 1	2 2	11 36	23 102 133	100 100	) )4 14 20 19	• •	1			

# TABLE Doc DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN TRAVIS APB. CALIFORNIA AND CHARLESTON APB/MONI, SOUTH CAROLINA FOR THE SURMER SEASON

																-																
												N	04-5	FOR	# CC	24017	104	15														
12 3 12 13 20	63 10 10 10 10 10	FT 4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		3.21 3.21	,	0 0 97	5 1. 1. 1. 1. 7	FOTAL PEAKS D D O O	-39	-10	-25	- 30	-17	.,	- 19	-17.								*10		., .	15	•17.	3 -20	•25	•17	•15
30	10	35		3.11		133	. 6	0																								
ABO	46	31	1	3.91	,	4333	. 3	13												2		1 I 1 I										
													210	-	1040	1110																
1 2	10	w 1	1	1   ME   1	15 1	74UTIC 112 28 130 130	5	TOTAL PEAKS 21 21 29	-11	-10	-29	- 20	-17	٠,	-15	- 12.				4 1 0 U - 5 2 2 1 2 1	1			*10	+12		15	• 17.	9 +20	•21	• • • •	• 35
10	10	25	1	0.		0	) . I.	0																								
30	10	33	•	č.		9		ŏ																								
10			•	1.44		347		74										•	14	17	1	5	10	•		ı						
												\$	1 ()A H	PLI	V5 N	104-5																
N.E.	60 10 10 10	F1 2 3 3 1 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3				130 107 83	5 1.0 1.1 1.5	1014L PEARS 21 21 29 5 6	٠	3 11 0	-25	- 30	-17	.5	- 1.5	-12.		10 - 1 2		13 13	•	10	7.5	*10 *10			15	17.	. 10	•21	•12	***
25 3.	10 10	35		3.97	,	133 184 6333 7206	. 8	13										•	14	19		1	14	•	1							
									DIST	REBU	of Error	FO	T DFR R TH(	E AF	OUTE	RTIC	WEF	N	VEL	DC 11'	٧											
											CHAR		04 AI	FUI	HUN!	E .		CAR	OL IN	•												
												N	0N-5	TOR	+ co	MO11	ION	s														
10 13 20 25 10	10 TO TO TO TO	# 1 2 3 11 15 20 25 35		0. 0. 0. 0.31	1	3		PEAKS 0 0 0 0 0	-15	- 10	-25	-20	-17	. 5	-15	-12.			D1511						•12.	, .	15 •	17.5	+26	•25	•1)	•35
10				C.71		313	. 1	ì												ŀ												

								3 T OR		MD I T	IONS														
LTIT.OF	TIME	AUTICAL	TUTAL									UDE	DI	STRE	RUT	ION	(#1.	Sec.	1						
1030 PF1	I HOURS I	MILES	PEARS	- 15	- 3-	-25	- 50	-17.	5 -1	5 -12	2.5	-10	-1.	•	- 9		.7.	1	.17.	15	. 17.	9 .20	 •	1)	• )
BELOW 1	6.32	1, 5	7									1		1	1	,			1						
1 10 5	6.33	. 4	0																						
2 10 5	0.37	19.7	2												2										
5 TO L.	\$ 2	7.9	- 5												-										
D TO LS	0.02	8.4	i																						
9 10 20	0.	٥.	0												-										
45 01 0	0.	o.																							
5 70 30	٥.	0.	0																						
0 TD 35	0.	0.	٥																						
BOVE 35	U.	٥.	0																						
TUTAL	1.17	48.0	10									ı		l	4	3			ı						
								108# E																	

ALTITUDE		NAUTICAL	TOTAL												191./5							
(1000 PT)	IHOURS)	WILES	PEAKS	-35 -30	-33	- 50	-17.5	-19	-12.	5 -1	10 -	7.5	- 5	• 5	• 7.5	+10	+12.5	 •17.3	. 52	+23	.30	• 35
BELOW L	38	3.5	7								1	1	1	3		1						
1 10 3	6.33	8.4	0																			
2 10 5	6.37	19.7	2										2									
9 10 10	0.72	7.9	•																			
16 10 15	5.72	0.4	1										1									
15 10 23	0.33	12.2	0																			
50 ID 55	6.33	13.1	0																			
25 10 33	6.33	20.9	C																			
30 10 35	6.33	1	0																			
ABOVE 35	0.54	251.7	1										1									
TOTAL	G.88	360.3	11								ı	ı	5	3		ı						

# TABLE DAG DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN TRAVIS AFR. CALIFORNIA AND CHARLESTON AFB/MUNI, SOUTH CAROLINA FOR THE MONTH OF FERRUARY

				NON-STO	AH CO40	ITIONS											
1 10 3 1 10 3	TIME VAUTICAL (PTURS) MILES 0. 0. 0. U. 0. U. 0.	PE A45	-11 -12 -21	-20 -17.5	-19 -1	2.9 -10	0137 -7,9	- 1 Ru (	110N I	FT./SF( •7.5	10	*12.5	•15	+17.5	• • • • •	•25	• >> • >>
9 TO 13 10 TO 15 15 TO 23 20 TO 35 25 TO 35 ABOVE 35 TOTAL	0. J. 0.35 18.9 0.07 21.3 2.07 1130.1 0.00 371.5 0.159 1594.3	17 129 0				1	•	39 93	11 60 71	11	10	1	1				
	1000	• • •		1 1 00m	CONDIT		_		·	• •	78.5	•					
4L T1 TUOF	TIME HAUTICAL					UDE			10N_F	FT./580							
1000 FT   00 F	1400851 MILES 3.37 13.1 3.15 14.6 0.38 23.3 0.96 14.0 0.16 33.2	3	-35 -36 -25	-20 -17.5	-15 -1	2.5 -10	-7.5	1	1	•7.5 ·	10	•12.5	•15	•17.3	• 20	•25	•13 •15
20 10 25	0.35 18.1 0.35 18.1 0.36 23.6	10				1		17	•	,	•	1					
33 TO 35 4BOVE 35 TOTAL	0.91 313.9 0. 0. 1.37 471.0	0		1	1	1 2	,	83	170	23	•	2	ı				
				STORM P		- S FDa.H											
ALTITUDE	TIME (AUTICAL		-15 -30 -25			une				1./500							
1 10 2	0.07 10.1 C.13 19.6	c	-11 -10 -23	-10 -1111	-17 -1	1.7 -10	- , ,		2	i	ĭ	*****	• • •		***	•••	****
2 10 5 5 to 1, 10 to 15	0.36 19.0 0.10 19.2	,						,	3								
15 TO 23 26 TO 25 25 TO 33	0.10 97.4 0.10 49.3 2.73 1154.5	1				ı	•	21	20	1	,	ı					
30 TO 35 480VE 35 TOTAL	1.01 041.0 3. 4.96 1970.1	U		1	1	2 2	11	107	219	34	14	1	2				
					·		•										
ALTITUDE (1000 PT) 0010W 1 1 TO 2 2 TO 5 3 TO 10 10 TU 15 15 TO 2 20 TO 25 25 TO 30 30 TO 35 48044 35 10164	Fine "AUTICAL (MOURS) MILES U.	0		S OF DERTY FOR THE TRAVES AL SESTON AFR, PC MONTH C NON-STUI	ROUTE BE PR, CAL AND PMUNI. S OR THE OF JUI IN COND.	ICAL GUS ETMERN ETMENTS SOUTH CA LY LITIONS UDF 2.5 -13	0151	A KIRUT		71./SFC • 7.5 •		•12.5	•15	•17.5	•20	+25	•13 •18
AL TITUDE	TIME NAUTICAL	701A1		\$10%#	CONDITI		D 24.44		106 11	+T./SFC							
6100C PT1 B810W 1 1 TO 2 2 TO 9 5 TO 13 10 TO 13 13 TO 20 20 TO 25 25 TO 30 30 TO 35 ANOVE 35	THOURS   MILES	PEAKS 17 19 17 1 0 0	-31 -30 -21	-20 -17.5	-15 -12	7.9 -10 1 7	-7.9 2 4	-9 2 2 3 1	7	17.5 • 7 6 1	10	ı	•15	•17.5	•20	•25	*13 *35
TOTAL	0.49 129.7	54				,	10	10	•	14	•	ı					
AL TETUDE	TIME VAUTICAL			STORM PL		UDE				1./510							
\$100C FF1 BELOW   1 TD 2 2 TO 5 5 TO 1) 10 TU 15 19 TO 20 20 TO 25 25 10 BJ 20 TO 35 ABOVE 35 TOTAL	CHOURS 1 RILES 0.04 9.4 9.4 9.4 9.4 9.4 9.4 9.4 9.4 9.4 9.	PRAKS 17 19 17 1 0 0 0 0	-35 -30 -25	-20 -17.5	-19 -11			2 2 3 1		7.5 .	10	1	•15	•17.5	• 20	125	+13 +15

# TABLE D&g DISTRIBUTIONS OF DERIVED VERFICAL GUST VELOCITY FOR THE ROUTE BETTERN TRAVES APB, CALIFORNIA AND CHARLESTON AFB/RMIL SOUTH CAROLINA FOR THE ROWTH OF AUGUST

ALTITUDE		HAUTICAL	TOTAL						11001	100	PT./88							
(1900 FT)			PPARS	-39 -30 -	25 -20 -17.	.9 -19 -12.9	-10	-7.9	- 9	• 5	• 7.5	•10	.11.5	•13	.17.3	• 5.0	. 53	.33 .35
BELOW !	0.	٥.																
1 10 2	3.	0.																
2 10 5	6.	٥.																
9 70 10	0.	0.	à															
10 70 13	0.		Ā															
15 10 20			12															
	3.17	41.4																
20 10 25	0.14	97.9																
25 10 33	0.10	77.0																
30 10 35	0.17	76.9	. 0															
ABOVE 35	9.63	4425.1	13						2	11								
TOTAL	16.30	4490.9	13						2	11								
										• •								
					4 704	P COMOITION												
					310	COMOTITON	••											
ALTITUDE		HAUTICAL	TOTAL								71./80							
(1000 PT)		HILES	PEAKS	-39 -30 -	25 - 20 -17.	. 9 - 15 - 12.1	-10		- 5	• •			14.7	.12		.50	. 22	• 13 • 35
BELOW	0.35	7.5	•					3			ı	l.						
1 10 5	0.12	19.1						L			1							
2 TO 5	0.40	92.1	12				1	ı	7	1								
9 10 10	0.23	73.7	•							4								
10 10 15	0.14	49.0																
19 10 20	0.	0.																
20 10 21	٥.	ě.																
25 10 30		6.																
	••																	
30 10 35	٠.																	
ABOVE 35	6.	D.							_	_	_							
TOTAL	0.95	241.3	22				1	•	,	7	3	1						
					STORM	PLUS NON-ST	OR.											
ALTITUDE	TIME !	LAUTICAL	TOTAL				Ude	DIST	IGUTI	ON 11	7./50	1.1						
11000 PT1		HILES	PEAKS	-14 -10 -	25 -20 -17.				- 6									. 12 . 19
BEL OU I	0.05	7.9	4			V - 1 V - 161.	•••				1	1	••••			40		*** ***
1 10 2	0.12	19.1									i	•						
								j										
2 10 5	0.40	65 - 1	18				ı	1	7	3								
9 10 10	0.23	73.7	•							•								
10 10 19	0.14	49.0																
15 10 20	0.17																	
20 10 25	0.14	\$7.5	•															
29 10 30	0.10	77.0																
30 10 39	0.17	76.9	10															
ABOVE 35	9.43	4425.1	13						2	11								
TOTAL	11.25	4940.2	33				1		•	ii	2	1						
							•	-	•	••	•	•						

# TABLE DYS DISTRIBUTIONS OF DERIVED VERTICAL GUST VELDCITY FOR THE ROUTE SETWEEN TRAVIS AFB. CALIFORNIS AND HCGUIRE AFB. NEW JERSS 7

							N	DN-51	JAN C	040171	1045											
ALTITUDE (1900 PT) (2001 L C 07 L C 07 C C 07 C C 07 C	0. 0.	1 #fles 3. 0. 0. 2.	TOTAL PRAKS C O O O	-15	- 36	-25	- 20	-17.	9 -19	-12.5	UD6 -10	-7.5	(R   BU 5	10N 6	•T./1	*C.1	+12.5	•15	+17.	• • 2>	•25	•30 • 15
15 TO 2J 20 TO 25 45 TO 3J 30 TO 35 ABOVE 35 TOTAL	0.31 0.20 0.10 7.32 13.12 10.00	112.2 106.6 193.3 3305.1 4461.6 7838.2	0 178 16 199						1		2	11	49 5 34	63 10 93	10 1	,	3	1	1	1		
								STORE	CON	DITION	15											
ALTITUDE (1000 FF) BELDWI 1 TO 2 2 TO 5 5 TO 10 10 TO 15 19 TO 2 20 TO 2 25 TO 30 25 TO 30 25 TO 30 26 TO 35		HAUTICAL 1 MILES 32.0 12.7 157.7 159.9 131.0 19.2 20.1 323.0 129.3	TOTAL PEARS 51 142 0 C	-35	-30	-29	-20	-11-1	-11	-12.9 1			# (# UT - 5 19 18 26	10N (	PT./S •7.3 10 •	*17 *17 7 1		+13	+17.5	• • 20	+25	•32 •35
TOTAL	5.57	2143.3	341							2	10	28	62	103	38	13	•	,				
							51	04# #	LUS	104 - S T	04 H											
ALTITUDE 11000 FT1 BELOW L 1 FO 2 2 FO 3 5 FU 10 13 FO 15 15 FO 27 20 FO 27		37.6 37.9 197.7 133.6 131.4	TOTAL PEARS 43 51 142 0 0	-11	-30	-25				-12.5 1	UDE		# # # # # # # # # # # # # # # # # # #	10N 1 +5 13 19				•15	•17.9	***0	•25	•13 •15
25 TO 30 30 TO 35 ABOVE 35 TOTAL	1.09 7.35 12.93 23.66	473.3 3320.7 3757.1 10001.4	176 16 493						1	,	12	11	114	10 193	1 A 1 27	7 23	,	3	2	1		
							MCG	AVERE P WINT	FB, ( AND AFB, ()R TH ER SE		#11 A EPSFY											
ALTITION 11000 FILE NELOW 1 1 10 2 2 10 5 5 10 12 15 15 15 15 15 15 15 15 15 15 15 15 15	HOURS	0. 3. 0.	TOTAL PEARS	-35	- 30	-25					UDE			10N (I			+12.5	•19	•17.9	•23	•25	•12 •15
15 TO 20 20 TO 25 25 TO 30 30 TO 35 ABOVE 35 TOTAL	0.19	68.7 69.1 134.9 761.2 4461.8 3469.2	0 124 16 140						i I		2	11	11 3	10	1 9 1 12	,	1	i 1	?	1		
								1 T O R M	CONE	1110N	\$											
ALTITUDE 11000 FT1 86LOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 23		94UTICAL 9 MILES 23.4 10.1 94.7 109.7 93.8 10.2	TOTAL PLAKS 24 11 09 0	-33	-36	-29	- 30	-17.9	-19	-12.9 1			* 19 19 19 19 19 19 19 19 19 19 19 19 19	10N 11			111.5	•13	•17.5	•25	+25	•10 •35
20 TO 25 25 TO 35 3C TO 35 480VE 35 TOTAL	0.05 0.73 33 2.70 4.96	20.1 323.0 19.6 1295.3 2009.8	129							1	,	14	26	2	19	•	,					
ALTITUDE	1140	NAUTICAL	TOTAL				21		cus n	ON-5 T		0157	n ( Bu T i	ION (1	1./50	C.1						
11000 PT) BELOW L L TO 2 2 TO 5 5 TO 10 10 TO 25				-15	-3u ·	-25	-20	-17.9	-15	-12.9 I			-9 9 3 19				,	•15	•17.9	•10	•25	•17 •15
25 TO 33 36 TO 35 ABOVE 35 TOTAL	1.64	927.4 796.8 5757.1 7495.1	10 700						1	1	2	11 25	**	2 47 10 114	100	7	•	1	2	1		

# TABLE DTe OISTRIBUTIONS OF DERIVED VERTICAL SUST VELOCITY FOR THE ROUTE OFTUREN TRAVIS APP. CALIFORNIA ACGUIRE AFT. WEW JERSEY FOR THE SPRING SEASON

				HON-STORM CONDITI	DN S						
BEL OW 1	TIME VAUTECE (HOURS) MILES	PEARS	-35 -30 -25	-20 -17.5 -15 -12.5	-10 -7.5	-3 -	( (FT./SEC.	1 +12.5 +	15 -17.5 -25	-25	.37 .35
2 10 3 2 10 13 10 10 15	0. 3.	Č									
15 TO 23 20 TO 25 25 TO 3-	0.13 43. 6.10 39. 1.11 49.										
30 TO 35 460YE 35 TOTAL	5.31 2223. 5.33 2332.	. 0					•				
				STORM CONDITIONS							
	TIME HAUTICA	PEARS	-35 -30 -25		-10 -7.5	-9 •	171./58C.1	+12.5 +1	19 +17.9 +20	•25	•>> •>>
8 ELOW 1 1 TO 2 2 TO 5 5 TO 10	0.26 9. 0.28 13. 0.29 68.	3 45		1	1 1	15 L			7		
10 TO 15 15 TO 2, 20 TO 25	7.11 37. 3. 3.										
25 10 30 30 10 35 480VE 35	3. J.										
TOTAL	1.60 191			1	9 14	** *	3 19 9	•	t		
ALTITUDE	TIME VAUTICA	L TOTAL		STORP PLUS NON-STO		11001104	(#1./500.)				
HELOW 1 L TO 2	0.00 01ES	PEARS	-99 -90 -25	-20 -17.5 -15 -12.5	-10 -7.5	13	9 -7-9 -13	*12.5 *1	5 -17.5 -20 2	• 25	• • • • • • • • • • • • • • • • • • • •
\$ 10 5 \$ 10 15 10 10 15	0.39 19. 0.39 19.	. 3			, ,	ii ž					
15 TO 25 20 TO 25 25 TO 37	0.12 43. 1.10 39. 1.11 49.	7 3									
30 TO 35 460VE 35 TOTAL	5.21 2223. 6.13 2556.			1	9 14	34 7			2		
			015781807708	TABLE D74	61457 W81 /	~					
			013141301111	PIR THE ROUTE BETWE TRAVIS APB. CALIFOR AND	EN	~***					
				PORTHE PROJECT THE MONTH OF JANUARY	73EY						
				404-ST044 CONDITIO	45						
BELOW 1	TIME HOUTICAL HILES	PEARS	-35 -36 -35	-20 -17.5 -15 -12.5	UNF DISTA -10 -7.5	-5 +5	171./SEC.) •7.5 •10	*12.5 *15	5 +17.5 +20	•25 •	12 • 15
1 10 2 2 10 5 9 10 13	;. ;.										
10 TO 15 15 TO 25 25 TO 25 25 TO 33	6.23 12. 6.23 13. 6.27 20.	3 :									
31 10 35 480vt 35	0.37 22.5 1.37 443.5 1.55 723	1				;					
				STORM COMBITIONS		٠					
ALTITUDE 11635 FT1	TIME MAUTICAL	PEARS	-39 -30 -79	-20 -17.5 -15 -12.5	UNE DISTA	IBUTION	(FT./5°C.) +7.5 +13	*12.5 *15	1 +17.5 +23	.25 .	12 • 35
\$ 10 3 1 to 3	v. 32 3.0				- 1	2 3	•				
10 TO 13	3.11 11.6 0.12 43.6 3.35 10.3										
25 TO 36 36 TO 35 400VE 35	0.09 20.1 0.73 323.3 0.05 19.6 2.78 1295.3	, ,				, ,					
TOTAL	4.36 1783.0	. กั				9 7	1				
ALTITUDE	TIME VAUTICAL	FOTAL		STURM PLUS NON-STOR		I BUT I ON	(FT./\$E)				
(100G PT) BELOW 1 1 TO 2	0.02 3.0 0.06 EJ.5	PEARS	-35 -36 -25	-20 -17.5 -15 -12.5 -	10 -7.9	-3 -3	·7.5 · 10	+12.5 +15	-17.3 -20	•25 •1	
\$ TU 10	0.39 19.6 3.11 33.6 43.6				•	i :					
15 TO .3 25 TO 33 25 TO 33	5.48 31.1 5.30 33.1 00 331.4					) z					
30 TO 35 ABOVE 35 TOTAL	0.00 34.0 4.15 1930.0 3.61 2503.0	• •			,	3 12 /	,				

# TABLE D7e DISTRIBUTIONS OF DERIVED VERTICAL GUST VELUCITY FOR THE ROUTE BETWEEN TRAVIS AFB. CALIFORNIA AND MCGUIRE AFB. NEW JERSEY FOR THE HONTH OF FEBRUARY

							MOM-31	DRM C	ONO I T	1045											
ALTITUDE		MAUTICAL 3 MILES	TOTAL PEAKS		-30 -	25	-20 -17.	9 -19	-12.					(F1./ +7.5			+15	+17.	5 +20	+25	•1) •15
F TO S	2.	٥.	3																		
2 TO 5		;. ;.	j																		
10 10 15	4.14	3. 36.2	2																		
24 TO 25	2.15 6.19	55.8 76.1	3																		
30 TO 35	1.74	750.0	124					1		2	11	31	47	1.0	7	3	1	3	1		
ABOVE 35	11.30	4745.1	137					1		2	11	33	97	17	7	3	1	2	1		
	• • • •						STORE	CONI	017104												
ALTITUDE	INDURS	HILES	PEARS	-35	-3: -	25 -	20 -17.5	-15	-12.5		-7.5	-5			•10	+12.5	+15	.17.	. +29	+25	+32 +33
FELOW 1	14	70.4	15								3	1	:	1	1						
2 10 5	24	73.7	* *						1	•	10	1)	30	12	3	,					
15 10 15	0.15	53.4	5																		
20 10 25			•																		
30 TO 35	ÿ.	J.	,																		
TOTAL		226.4	175						ı	•	12	17	93	14	•	3					
							STURN P		DN-51	(M. P.											
ALTITUDE		HAUTICAL	TUTAL									41801	104	F1./1	ec.1						
OFLOW 1	IHOURS	20.4	PEARS	-39	-10 -	۱۱ ۰	20 -17.9	-19	-13.1		-7.9	-3	• •	.7.5	+10	•12.5	•15	•17.9	+20	125	•12 •15
1 10 2	5	75.3								•	10	1	,	12	,	,					
5 10 10 10 10 15	3.17	77.1	3						•		7.5	•••		•••	•	•					
20 10 25	C-15	30.2	3																		
25 TO 30 31 TO 35	5.19	76.1	124										47								
ABOVE 35	0.79	1010.3	13							,	11	21	10	14	,	,	ı	2	,		
TOTAL	11.42	4991.5	245					ı	1	,	23	50	107	33	11	•	ı	3	ı		
							FOR THE TRAVES A MCGUIRE FORTH	FB, C AND AFB, OR TH OF	AL IPO MEW J B MARCH	44: <u>1</u> E4 SE1	,										
AL TITUNE	1146	VAUTICAL	TUTAL							Une	0157	A E BUT	104 (	PT./S	16.1						
SELOW L			PEARS	-35	-32 -2		20 -17.9	-15	-12.5	-10	-7.5	- 5	• 5	• 7.5	•10	.12.5	+15	•17.5	• 2 3	+25	•10 •35
1 10 2	٤.	3.	2																		
10 10 13		ž.	2																		
19 TO 2: 20 TO 25	3.12	34.1	9																		
25 TO 3.	5.21	2223.9	54									10	36								
ABOVE 35	3.	2397.9	3									10	36								
												••									
			***				5 T DA II	COMO	17 FON:												
ALTITUDE	I HOURS I		PEARS	-35	-3: -2	5 -	20 -17.5	-15		-10	-7.5	-5	+5	7.75	.10	.12.5		17.5	+70	.25	•32 •35
BELOW 1			19						1	3	7	10	13	:	1	1	ı				
1 10 2	2.36	13.9	4.3												2						
1 10 2 2 10 5 5 10 1;	3.25	13.9 63.3 29.8	13							2	5	11	2.6	7	•						
1 10 2 2 10 5 5 10 1; 1- 16 15	3.25 6.19 3.11	13.9 63.3 29.8 37.6	43							7	,	11	*•	•	•						
2 70 5 5 10 1; 1 10 1; 1 10 1; 1 10 2; 2 0 7 0 25 2 1 7 3 3	3.25 6.19 3.11	13.9 63.3 29.8 37.8	43							7	,	11	**	·	•						
1 f0 2 2 70 5 5 10 1: 10 f6 15 15 f0 2, 20 f0 25 20 70 35 30 70 35 4804£, 37	0.25 0.25 0.11	13.9 63.3 29.8 37.8 3.	13								,	11		•	•						
1 10 2 2 10 5 5 10 1; 1. 76 15 15 10 25 25 10 35 30 10 35	0.25 6.19 0.11	13.9	13						ı	,	14	11	4.5	19	•	,	2				
1 f0 2 2 70 5 5 10 1: 10 f6 15 15 f0 2, 20 f0 25 20 70 35 30 70 35 4804£, 37	0.25 0.25 0.11	13.9 63.3 29.8 37.8 3.	13				STORM P	LUS M		,						,	ı				
1 10 2 2 10 9 9 10 1; 3 10 1; 3 10 2; 3 10 29 3 10 39 4 10 29 4 10 29 5 10 20 5 10 20	3.25 6.29 3.11 3. 3. 3.	13.0 03.2 27.0 37.0 3. 3. 3. 153.6	132 132	-34	-1j <b>-</b> 2	•			DM-5 TC	5 DRM UD6	14	34 11 <b>0</b> 071	43 EDN 18	19 'T./SE	•			<b>,17. 0</b>		434	
1 10 2 2 10 3 5 10 1; 15 10 2; 20 10 2; 20 10 25 20 17 3; 33 10 35 4807£; 33 1374L ALTITUDE (185; FIT 8810W 1	0.25 0.25 0.25 0.11 0.00 0.00 0.00 0.00 0.00	13.0 03.0 03.0 037.0 0. 0. 0. 193.6 VAUTICAL MILES 0.2	TOTAL PEAKS	-35	-10 -2	9 -	STORM P 20 -17.5		DM-5 TC	5 04 H UDE -10 2	0151 -7-5	34 11807 -5 12	43 ION (F	19 7./SE 7.5	·10			17.3	•20	•21	•12 •15
1 10 2 2 10 5 5 10 11 1 16 10 13 10 10 25 25 17 3 3 33 10 35 34 10 25 4 10 25 4 11 10 06 (100; F11) 88,00 1 1 1 70 2 2 10 5	TIME (HDORS) C.28	13.0 05.2 27.0 37.0 3. 3. 3. 3. 193.6 VAUTICAL MILES 0.2 13.0	COLUMN TOTAL TOTAL SEAS	-39 -	-10 -2	<b>9</b> -			DM-5TC	5 DRM UD6	015T	34 118071 -5	43 ION (F	19 !T./SE !T.5	¢ (.)	12.1	•15	17.5	+20	•25	•12 •15
1 10 2 2 10 5 5 10 11 1 16 10 13 1 10 25 25 13 33 33 10 35 34 500 2 13 1 17 10 10 4 1 17 10 10 4 1 10 10 5 1 11 1 10 2 2 1 0 3 5 10 15	7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00 7:00	13.9 63.2 24.8 37.8 3. 3. 3. 3. 2. 153.6 VAUTICAL MILES 9.2 13.9 83.2 29.8	TOTAL PEAKS	-35 -	-30 -2	<b>9</b> -			DM-5TC	5 008 H UDG -10 2 1	01511 -7-5 7 2	34 1/807 -5 12 13	43 IDN 19 +5	19 77./SE 77.5	(C.)	12.1	•15	17.5	•20	•23	•12 •35
ALTITUDE (100; FT 01;  ALTITUDE (100; FT 01;  ALTITUDE (100; FT 01;  BELOW 1  1 T 0 2  2 T 0 3  5 T 0 1;  BELOW 1  1 T 0 2  2 T 0 3  5 T 0 1;  1 T 0 2  2 T 0 3  5 T 0 1;  1 T 0 2  2 T 0 3	1.00 0.29 0.11 0.00 0.00 0.00 0.00 0.00 0.00 0.0	13.9 03.2 29.0 37.0 3. 3. 3. 2. 153.6 VAUFICAL HILES 0.2 13.9 29.0 37.0 43.5 39.7	TOTAL PEAKS	-35 -	-30 -2	<b>9</b> -			DM-5TC	5 008 H UDG -10 2 1	01511 -7-5 7 2	34 1/807 -5 12 13	43 IDN 19 +5	19 77./SE 77.5	(C.)	12.1	•15	217.5	•20	•25	•13 •13
1 10 2 2 10 5 5 10 11 12 70 12 13 70 2 70 70 25 25 70 3 30 70 35 48045 33 73744 44 71 FUDE (1895; FT) 88.0m 1 10 2 2 10 5 5 10 1: 10 10 15	1.05 0.29 0.11 0.00 0.00 0.00 TIME (HOURS) 0.00 0.18	13.7 63.2 27.6 37.6 3. 2. 2. 153.6 VAUFICAL MILES 0.2 13.4 63.2 29.6 37.6	132 132 132 132 133 134 135 136 137 137 137 137 137 137 137 137 137 137	-39 -	-30 -2	, .			DM-5TC	5 008 H UDG -10 2 1	01511 -7-5 7 2	34 1/807 -5 12 13	43 IDN 19 +5	19 77./SE 77.5	(C.)	12.1	•15	17.5	•20	•25	•32 •35

# TABLE DOG DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN TRAVIS 4FB, CALIFORNIA AND MICKAM APB, MANAII

ALTITURE	TIME	NAUTICAL	TOTAL					1104	210		T 10m	467.7							
11005 FT1			PEARS	-15 -10 -2	-20 -17.		-12 6	-10			1107	47.4	-10	419-6		417.5	425	. 25	.13
PELOW 1		3.		177 176 16	-40 -111	,		- 10	- 1.	- •	• •	****	***						
1 10 2		5.	3																
2 10 3	0.	3.	ŏ																
5 TO 10	0.	0.	ŏ																
0 10 15	· .	5.	3																
5 70 23	5.23	1879.4				2		3	5	22	24		,						
0 TO 25	8.15	3284.4			•	•		•	í	20	32	i	ź						
5 10 31	23.13	9637.1								24	49	i	•	1					
£ 13 35		40594.1				1		14	34	130	231	35	17			3			
BOVE 35	132.66	54135.7	572			i	2	- 4	30	149	313	37	• 7		ž	i			
TOTAL	261.74	114553.4	1269		1	•	ē	23	74	373		84	31		i	•			
					STOR	H CON	017104	5											
LTITUDE	TIME	MAUTICAL	10144					UDE	DEST	e t Bu	TION	PT-/	SEC. I						
1000 FT			PEARS	-35 -30 -2	-20 -17.	-15	-12.5	-10	-7.5	-5		.7.5	+10	+12.9	+15	+17.5	+20	+25	+33
RELOW 1	21	302.0	487			• • •	3	26	56	89	103	107	57	29	10		2	1	
1 10 2	2.12	440.0	371				3	10	32	95	132	45	10	- 11	3	2	•	-	
2 10 5	7.57	1599.7	433	. 1	1		10	10	29	104	160	56	30		i	i	1		1
5 10 12	7.51	1 986 . 6	215					3	21	54	96	22		3	3	1			
0 TU 15	4.67	1561.7							•	19	32	2	4						
5 10 2:	3.2"	133.6								1	1								
7 5 OT 6	0.34	132.4							3	15	10	•		1					
5 10 3.	0.41	173.7																	
0 TG 35	1.11	484.6				Z	5	4	•	14	17	7	•	2	1	1		1	
804F 32	1.07	421.1								•	10								
TOTAL	5H - 57	7454.5	1697	1	3	•	21	41	199	397	577	264	122	50	10	•	)	3	ı
					STORM	LUS	NON-51	DRM											
TITUDE	TIME								0151										
10-5 611			PEARS	-35 -3: -2	-26 -17.	-15				- 5		•7.5							• >> •
DELON I	2.91	332.6					3	26	- 56	89	103	107	57	29	10	•	2	ı	
1 10 2	2.92	493.9				_		10	32	95	132	65	1.0	11	3	3			
10 5	7.57	1599.0		1	1	•	16	16	5.	144	168	54	30		1	1	ı		ı
5 TO 1	71	1 984 . 6			1			3	21	54	76	22	•	•	3	1			
5 TO 23	4.67 5.51	1543.7			1	2		,	3	23	32	2	•	•					
10 25	0.49	3417.0				•		,	- ?	33	50	•	;						
5 10 33	23.54	9437.9							:	24	49	3	ź	1					
3 TO 35	93.66	412-1.7				3	11	20	43	152	248	42	zί	,	7				
80vE 35		59 976 . 8				•	';		30	173	323	37	";		ź	i		1	
		122211	2966	1	3				229		1226	346	153	48	24	13			1
	289.95					10	29	84									3		

# TABLE DOB DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN TRAVIS AFB. CALIFORNIA AND HICKAM AFA, HAWAII FOR THE WINTER SEASON

			MINIER	26 WZ DM							
			NON-STORM	COND   T   O	45						
ALTITUDE TIME NAUTICAL (103C FT) (MOURS) MILES MELOW 1 0. 0. 1 TO 2	TOTAL PEARS -3	5 -30 -25 -	20 -17.5 -1	5 -12.5			4 (FT./SEC +5 +7.5 +		+15 +17.5	•20 •25	•33 •35
15 70 15 0. 0. 15 70 25 200.1 125.5 25 10 25 2.41 1125.5 25 70 30 11.36 4910.5 35 70.32 31242.1 7074L 114.61 50104.2	41 40 46 210 462 827			2 1 2 3 3	3 5 1 1 2 13 4 25 9 45	14 12 70 1 141 2	20 6 20 3 32 07 13 40 29 27 31	3 2 1 3 5 4	1 2 1 3 1		
			STORM CO	MO I T I ON S							
ALTITUDE TIME NAUTICAL ELBOW FT3 (MOURS) MILES MELOW 1 C.83 122-7 203-2 2 TO 5 3.63 773-6 5 TO 1.7 2.44 826-2 2 TO 5 3.63 773-6 5 TO 1.7 2.44 826-2 2 TO 5 3.63 773-6 5 TO 1.5 2.45 826-2 2 TO 5 3.63 773-6 7 TOTAL 15-8, 273-5 0 5 TOTAL 15-8, 273-5 5	TOTAL PEARS -39 152 72 190 150 96 2 28 0 67 725	3 -30 -25 -, 1	ł	5 -12.5 1 5 2 5 3 12		-9 29 20 92 30 19 1	26 20 26 14 75 33 53 20 27 1 1 11 2		*15 *17.5 * 7	1 1 2 1	1
ALTITUDE TIME MAUTICAL (1800 FT) (MOURS) MILES BELOW 1 U-65 123-205-2 2 TO 5 3-40 773-4 5 TO 16 2-9 1-9 1-9 1-9 1-9 1-9 1-9 1-9 1-9 1-9 1	152 72 198 196 30 63 64 46 285	1	i.	5 -12.5 · 2 1	UDE DIST -10 -7.5 0 15 6 12 3 20 9 3 9 2	-5 29 27 27 38 38 38 38 38 38 38 38 38 38 38 38 38	76		•15 •17.5 •	1	•33 •35 1
480VF 35 70.22 31242.1 TOTAL 125.41 52923.8	1992	1	•	1 2	30 113	141 24		3 30	15 5	2 i	ı

# TABLE DODISTRIBUTIONS OF DERIVED VOLTICA, GAST VOLUCITY POR THE REPTS DETIVENT TRAVES AND AND HOMBILE POR THE SPRING SOARCH

								NON-ST		ZHOLT!	240												
	1 70 2 2 70 5 3 70 10 10 70 15 15 70 20 20 70 25 25 70 30 30 70 35	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	134.5 423.8 2072.2 3132.6	PEARS 0 0 0 0 0 1 2 1 6 9 9	-35	-30 -					UD	E 0:51 -7.5	-9 1 1	1 1 4 5	•7.5			•13	•17.5	•20	•25	*30 *	35
	TOTAL	15.43	4637.9	19									7	11	1								
(	AL TI TUDE	TIME	MAUTICAL							01110W	UDI	E DEST											
1	11000 FT BELOW 1 1 TO 2 2 TO 2 3 TO 10 10 TO 19 15 TO 20 20 TO 25 25 TO 30 30 TO 35 ABOVE 35	0.12 0.11 0.27 0.29 0.25 0.	22.2 58.9 85.8 83.3 0. 0.	PEAKS 30 28 22 10 1 0 0 0	-35	-30 -	:5 -2	<b>0</b> -17.	.5 -15 1	1	-10 l i	-7.9 2 1 2 1	-5 6 10 3 5	10 36	•7.5 12 6 3	*10 * 1	1	1	+17.5	•28	•25	•30 •	) <b>;</b>
			,,,,,	•••				STORM	P1.115							·	•	•					
	ALTITUDE		MAUTICAL S) MILES	TOTAL PEAKS	-14	-30 -2					UDE	DIST	AIOUT				.12 8	41.6	+17.5	. 28		.10 .1	
1	8ELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 23 20 TO 25 75 TO 30	0.11 0.27 0.29 0.25 0.21 0.35	19.3 22.2 58.9 85.8 83.3 75.0 134.5 423.8	30 28 22 10 1 1 2	-,,	-30 -	,	<b>u</b> -17.	, -1,	1	1	1	10 3 5	12 4 1	12	1		1	<b>V</b> (1.5)	720	•2>	•	,,
	TOTAL		3339.1	23 124					ı	1	2	•	35	15	22	7	2	1					
					0157	AIBUTI	FI TI	F DENI OR TH' RAVIS HICKA	ROUTE AFB, C AMP M AFB, FOR TI MER SC	ERTICAL E BETWI CALIFO HAWA! 4E EASON	EFM RNJA EI	T VEL	ÚC ITY			-							
1 1 2 2 2	ALTITUDE   1000 FT   NELOW     1 TO 2   2 TO 5   5 TO 10   10 TO 15   5 TO 20   10 TO 35	0. C. U. 0. U.77 J.71 G.81	VAUTICAL 51 MILES 0. 0. 0. 20. 280.9 276.9 343.7 7703.0		-35	-30 -8	5 -21	0 -17.	5 -15	-12.5		015Tr -7.5					*12.5	+15	+17.5	20	+25	*30 *3	5
	BOVE 35		7146.5 15753.0	100					1	5	14	15	42	51	15	12	,	5	ì				
								STOR	CONE	IT LONS	1												
11 21 21 21 31	LTITUDE 1900 FT 8ELOW 1 1 TO 2 2 TO 5 5 TO 10 6 TO 15 5 TO 20 0 TO 25 6 TO 35 8 TO 35		WAUTICAL 50 MILES 44.3 58.8 154.0 291.5 218.2 0. 0. 0.		-35	- 30 -2	3 -26	-17.9	5 -15	-12.5 1	-10	DEST/ -7.5 16 10 3	-9 21 16 11		7./56 27.5 22 12 7	*10 11 9 4		•15	*17.5 •	28	1	*38 *3	\$
-	TOTAL	2.95	767.1	239						1	•	29	49	84	41	21	)		1		1		
	LTITU <b>OE</b>	TIME	HAUTICAL	TOTAL			1	TORM I	LUS N	OM-5 TO		01578	16011	OH 15	7./25	C.1							
10	1000 FT: BELOW 1 L TO 2 2 TO 5 5 TO 10 0 FG 15 5 TO 20 0 TO 25 5 TO 20	0.20 0.33 0.40 1.02 0.44 0.77 0.71	9 HILES 90.0 194.0 201.0 210.2 200.0 270.0 343.7	PEAKS 104 71 90 14 0	-35	-30 -2	-20	-17.9		1	-10 ·	-7.9 16 18 3	-5 21 16 11 1	24 24 12	7.5 22 12 7	*10 11 5 4			•17. <b>5 •</b>	20	1	•33 •31	
A	6 TO 35 80VE 35 19TAL	17.45 16.35 39.04	7703.0 7144.3 16920.0	107					1	•	23	44	42 91	135	15 54	33	•	,	•		1	3	

# TABLE DOO DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETWERN TRAVIS AFD. CALIFORNIA AND HICKAN AFD. HAWAII FOR THE AUTUMN SEASON NON-STORN CONDITIONS

ALTITUDE 1100C FT1 RELOW 1 1 TO 2 2 TO 5 5 TO 10	6. 0. 0. 0.	0. 0.	TOTAL PEAKS 0	-19 -30 -	25 -	-20 -17	.5 -19	-12.5	1 -10 UO:	-7.5	TA I BU -5	7104 +5	(FT./1 •7.5	•10	•12.5	+15	•17.5	+20	•25	•32 •35
13 TO 15 15 TO 23 20 TO 25 25 TO 35 30 TO 35 ABOVE 35 TOTAL	0. 2.)1 4.28 10.29 40.36 38.67 95.61	717.4 1745.5 4359.2 17521.7 17634.5 41978.4	16 35 102 70 293							3 6 5 14	5 12 17 24 56	11 15 71 50 140	3 6 8 17	1 2 2 9	1					
						STOR	-	01710N	S											
ALTITUDE (1200 FT) BELOW 1 1 TO 2 2 TO 5 5 TO 12 10 TO 15 15 TO 23 20 TU 25 25 TO 30	1.25 3.02 2.65 1.94 0.16 0.28	VAUTICAL MILES 118.2 204.7 613.5 782.7 651.9 671.1 113.3 193.2	TOTAL PEAKS 201 200 163 41 9	-95 -30 -	25 -	20 -17.	.5 -i5 2	-12.9 2 5	12 6 11	-7.5 -7.5 23 15 12	78 ( 0 U 1 -5 33 49 38 12 4	110N 1 +5 +5 -52 -74 -57 -27 -4	FT./S •7.5 •45 •33 •16 •2 •1		*12.5	*15 2 2 1	+17.5 3 1	*20	•25	•12 •35
30 TO 35	1.30	261.7	0																	
TOTAL	12.68	3570.3	628				2	7	24	52	137	221	100	43	27	5	•	1		
						MROTZ	PLUS I	HON-ST												
ALTITUDE 11002 FTF BELOW 1 1 TO 2 2 TO 5 5 TO 13 1C TO 15 15 TO 23		MILES HILES 110.2 704.7 613.5 762.7 651.7	TOTAL PEAKS 201 200 163 41	-35 -36 -	:5 -	20 -17.	5 -15 2	-12.5 2 5	-10 12 4 11	0157 -7.5 23 19 12	#18UT -5 33 49 38 12	10M 11 +5 52 74 57 27	FT./SI +7.5 45 33 16 2	*10 20 9	•12.5 10 9	*15 2 2 1	•17.5 3 1	•20	•25	*37 *35
20 TO 25 25 TO 35 30 TO 35 ABOVE 35 TOTAL	4.57 13.66 4J.96 4J.34 100.29	1055.0 4512.4 17703.4 10249.1 45556.4	37 35 102 96 683				2	17	29	3 4 5	12 17 24 195	18 15 71 99 381	117	2 2	1 1 26	,	·	1		
				DISTRIBUT		OF DERI FOR THE TRAVIS HICKA MONTH	AFB, C AFB, C AND M AFB, FOR TH OF JA	RTICAL BETWE CALIFOR HAWA! IE WUMRY	IEN INJA	T VEL	UCITY									
ALTITUDE	TIME	MAUTICAL	TOTAL			NON-ST	DRM CO	MOITIC		0155	A I GU T I	I DN: 44		c.1						
(100% FT) RELOW 1 1 TO 2 2 TO 5 5 TO 13 13 TO 20 20 TO 25 25 TO 25 25 TO 35 ABOVE 35 TOTAL			PEARS 0 0 0 0 2 2 0 3 10 117	-35 -30 -4	<b>5</b> -	<b>20</b> -17.	5 -15	-12.5	-10	1 5	-5 1 2 42 45	2 2 6 50	1.5	+13 ·	12.5	•15 ·	17.5	•20	•29	+33 +35
						\$100	1 COND	ITIONS	i											
ALTITUDE (1900 FT) BELOW 1 1 TO 2 2 TU 5 5 TO 15 10 TO 15 15 TO 23 20 TO 25 25 TO 3.		TAUTICAL MILES 20.0 50.7 130.6 155.7 155.8 0.	TOTAL PEAKS 37 22 27 16 1	-35 -31 -2	s -:	26 -17.9	s -15	- 12.5 I	UBE -13 ·	D1STR -7.5 5 2	-9 7 7 13 2				12.5	•19 •	17.5 •	20	•25	•33 •35
30 TO 35 400VE 31 TOTAL	J. 2.30	3. 0. 529.2	123					ı	1	,	30	30	13	•		,				
							الالمدمية			•			• •	•	•	•				
ALTITUDE	TIME	MUT.CAL	TOTAL			STORP P	LUS W	U4-170		01574	18011	De 16	T./80							
11000 FT1 DELOW 1 1 TB 2 2 TG 5 5 TO 10 10 TO 15 15 TO 20	(HOURS) 0.19 0.60 0.52 (.46	#1LES 20.0 54.0 134.6 195.0 197.1	764KS 37 22 27 16 1	-35 -36 -2	• •	10 -17.9	-19	-12.5	-10 - 1	7.5	-9 7 7 13	10	7.5 5 3		12.5	15 •	17.5 •	20 •	25	•30 •35
20 TO 25 25 TO 30 30 TO 35 ABOVE 35 TOTAL	0.72 3.76 29.84 36.71	220.3 309.7 1004.1 12001.4 15777.0	3 10 117 233					ļ	ı	13	1 42 75	2 5 5 1 6 1 6 6	**	1 2	•	1				

# TABLE DOS DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE OFFIREN TRAVIS AFB. CALIFFORNIA AND. HICKAM AFB. HAWAII FOR THE MONTH OF FEBRUARY NON-STORM CONDITIONS

						1	NON-ST	DRM C	ONDET	045											
ALTITUDE (1900 FT) RELOW 1 1 TO 2 2 TO 5		WAUTICAL HILES J.	TOTAL PEARS	-35	-30 -2	5 -2	0 -17.	5 -15	-12.5	UD -10	-7.5	TR (80'	*5	•7.5	€C.1	•12.5	+15	+17.5	+20	•25	*10 *35
5 TO 10 10 TO 15 15 TO 20	G.	510.3	0 56				1	1		3	5	20	17	•	3						
20 TO 25 25 TO 35 30 TO 35 ABOVE 35	1.66 4.,7 16.14 24.38	672.6 1719.3 7091.9 10825.8	15 10 103 213						1	2	1 12 10	1 72 59	126	12	1 2	2	1				
FOTAL	47.11	20619.9	477				1		ı	٠	20	155	243	31	•	2	1				
ALTITUDE	1 [ #6	VAUTICAL	TUTAL					M CONE		UDI		[R] BU1	104 1	FT./S							
(10CS FT) BELOW 1 1 TO 2	0.25 1.45	1 HILES 34.6 71.5	PEARS 55 22	-35	-30 -2	5 -20	0 -17.	5 -15	-12.5	-10	-7.5	-9 9	* 5	•7.5 12 2	+10 6 3	*12.5	*15	•17.9	+20	+25	•33 •35
2 TO 5 5 TO 10 10 TO 15	1.19	263.9 371.1 239.9	125 53				1	1	•	,	20	19 31 14	37 30 25	10	7	3	3	1			
20 TO 25 25 TO 30	0.10	36.5 22.3 17.6	20								1	14	11	2							
30 TO 35 AROVE 35 TOTAL	0. 4.36	127.1 J. 1184.6	67 2 431				1	3	5	10	**	107	17	7 54	27	2 17	•	1		1	
						:	STORP	PLUS N	ION-ST	04 M											
ALTITUDE (1002 FT)	I HOURS		FOTAL PEAKS 50	-35	-3., -2	5 -20	0 -17.	5 -15	-12.5	-10	-7.5	REBUT		•7.5	+10	112.5		•17.5	•20	+25	*33 *35
AELOW 1 1 TO 2 2 TO 5	1.19	71.5 263.9	22					1	4	1	3	19	37	12	3	1	i				
5 TO 13 13 TO 15 15 TO 20 20 TO 25	1.29 3.72 5.96	371.1 239.9 346.8 695.0	125 53 58 43				1	1		3	20 5 5	31 14 21 17	36 25 18 19	10	7 4 3 2	;	3	1			
25 TO 35 30 TO 35 ANOVE 35	4.11 16.43 24.30	1734.8 7219.0 13025.0	259 213					2	•	•	1 21 10	00 59	101	17	5	2 2	2	ı		1	
TOTAL	51.49	21804.4	908				3	•	16	16	76	262	386	85	35	19	10	2		1	
ALTITUDE:		VAUTICAL	TOTAL		1.04011	FC TA	F DERIY OR THE NAVIS A HICKAP MONTH	ROUTE AFR, C AND A AFR, FOR TH OF	RTICAL BETWI ALIFON MAWA E MARCH	ECN RNTA EI DNS UDF	0151	AIBUT	ION C	FT./SF	· · · ·						
110% FT1 86LOW 1 1 TO 2		?•	PLAKS	-)5 -	-30 -5	- 20	-17.9	-15	-12.5	-10	-7.5	-1	• • •	1.3	•15	*12.5	•15	•17.5	•73	• 25	•12 •15
2 10 5 9 10 L 10 10 15 15 10 2		ź. 23.5	3									1									
20 10 25 25 10 35 30 10 35	0.11 0.71 49	41.8 314.5 1055.2	5									i	ı								
ABOVE 34	4.97	2235.0	3									?	1								
ALTITUDE	••••						STORP	COND	1 (ON !												
1132( PT1 8FLOW 1 1 TO 2 2 TO 5 5 TO 15 10 TO 15 15 TO 25 20 TO 25 20 TO 25 21 TO 35	(nOu45) 3.26 6.36 6.37 6.37	1AUTICAL 1 MILES 10 14.4 15.3 24.5  75.1		-35 -	3C -2	- 30	-17.1	-15	-12.5			-9 9 8 1	10% (F			1	•15	•17.3	+20	• 25	•12 •15
TOTAL	::44	152.3	91							ı	2	14	1 6	13	2	ı					
41 71 7146	11=4	44118454	tota			s	TOAM F	LUS N	0N-\$TO				au 15	• . • -							
ALTITUDE 11802 FT F 88L OW 1 1 TO 2 2 TO 5 5 TO 1 10 TO 15 15 TO 25 20 TO 25 20 TO 25 20 TO 35 46 OVE 35 TOTAL	THE FHOURS I C.UA U.34 B.UA U.35 G.UA U.35 G.UA U.35 G.UA U.35 G.UA U.36 U.36 U.36 U.36 U.36 U.36 U.36 U.36	4AUTICAL 10.9 14.6 12.4 15.7 24.5 24.5 24.6 216.5 193.1 2. 216.1	PEARS 15 22 12 1 1 1 2 0 0 0 54	-35 -	3, -21	-20	-17.9	1 <b>-15</b>	-12.5	1	01511 - 7.95 1	10071	1 1 7			1	•15	17.5	•23	•24	*13 +15

# TABLE DEL DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETWERN TRAVIS AFB, CAL FORMIA AND HICKAM AFB, HAMAI! FOR THE HONTH OF APRIL

	POR MONTH OF	APRIL		
	NON-STORM			
ALTITUDE TIME VAUTICAL TOT! (1000 FT) (10005) MILES PEAN RELOW 1 C- 0. 1 TU 2 C- 0. 2 TO 5 C- J- 10 TO 15 U- J- 15 TO 20 J-12 42-3 20 TO 25 U-17 72-1 30 TO 35 1.15 480-2 ABOVE 35 3-97 1674-5 TOTAL 5-56 2326-6			10% (PT./SEC.) *5 *7.5 *10 *12.	5 +15 +17.5 +23 +25 +33 +3 ¹
ALTITUDE TIME VALTICAL TOTA	STORM COM		ION (FT./SEC.)	
### ##################################	13 -35 -30 -23 -20 -17.5 -19 6 0 10	1 -12.5 -10 -7.5 -5	*9 *7.5 *10 *12. 2 *3 3 *2 *1	5 •15 •17.5 •20 •25 •30 •35 1
15 TO 2) G. J. 20 TO 25 J. J. 25 TO 33 V. J. 35 TO 35 G.JS 23.9 ABOVE 35 C.49 260.5 1	3 0	, •	10	
TOTAL 1.19 307.3 1	)•	, •	17 4 4	i
ALTITUDE TIME VAUTICAL TOTA	STORM PLUS			
(1006 FT) (HOURS) MILES PEAK BELOW 1 2.05 6.6	(\$ -35 -30 -25 -20 -17.5 -15 6	-12.5 -10 -7.5 -5	*5 *7.5 *10 *12.5	• 15 •17.5 •20 •25 •35 •35
2 10 5 J.10 36.4 1 5 T0 15 G.21 62.0 16 T0 15 6.15 55.3 15 T0 20 G.12 42.3 20 T0 25 G.15 97.6	0 0 0 0 0	! !	3 2 1	
3. 10 35 1.20 501.1 AROVE 35 4.46 1001.6 2	0 6 13	3 14	15 20 5 4	1
	TABLE DISTRIBUTIONS OF DERIVED V FOR THE ROUT TRAVIS AFR. AND HICKAM AFR FOR TI RONTH OF	RATICAL GUST VELOCITY E BETUFEN CALIFONNIA , MAWAII ME MAY		
ALTITUDE TIME MAUTICAL TOTAL		UDE DESTA 1907 E	ON (FT./SFC.)	
1 TO 2 C. 9. 2 TO 5 9. 2 TO 5 9. 5 TO 10 G. 0. 10 TO 15 3. 10 TO 25 TO 2	0 3 V J G 0 1 1	-12.9 -10 -7.5	ı	+15 +17.5 +28 +25 +33 +35
TOTAL 4.90 2077.5	Tabilit 7.18183		1	
ALTITUDE TIME VAUTICAL TOTAL	\$100× CON	UNE DISTRIBUTE	Oh 181.7515 1	
### ##################################	5 -35 -32 -25 -20 -17.5 -15 6 0 0 0 0			*19 *17.5 *23 *25 *38 *35
101AL12 32.4 15		1 1 1	3 4 1 1	
	STURM PLUS A	DM-STORM		

# TABLE DON DISTRIBUTIONS OF DEFIVED VERTICAL GUST VELDCITY FOR THE ROUTE OFTHERN TRAVIS AFR. CALIFORNIA AND HICKAM AFR. MAWAII FOR THE NONTH OF JUNE NON-STORM CONDITIONS

				HON-STOP	H CON01	21045							
ALTITUDE (1300 FT) 080 FT) 1 TO 2 2 TO 3 5 TO 10 10 TO 15 15 TO 20 20 TO 25 20 TO 25 20 TO 35 ABOVE 35 TOTAL	FIME VAUTICAL (HOURS) RILES (10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TOTAL PEARS -	-35 -30 -25	-20 -17.5	-15 -12	un.s -10	€ 0 \$76 -7.9	-5 +5	(PT./SEC.) • • 7.5 • • 10	*12.9	•19 •17.	5 +25 4	25 •10 •15
				STORM	COMPITIO	NS.							
ALTITUDE (1900 PT) RELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 26' 20 TO 25 25 TO 30 30 TO 35 ABOVE 35	TIME NAUTICAL (HOURS) RILES 9.07 12.0 10.8 0.11 28.4 0.28 80.7 0.17 40.3 U. C. J. U. J. U	TOTAL PEARS - 39 24 7 7 7 6 6 0 0 0 0 71	-35 -30 -25	-20 -17.5	-15 -12.	UN: 9 -10 2 1	F-DISTA -7.9 9 4	IRUTION -5 +5 0 11 5 13 2 5 1 5	, 1	+12.5	•15 •17.	5 •20 •	25 •32 •39
				5104# PL		100.0							
AL TITUDE	TIMF HAUTICAL	TOTAL				UDE	DISTR	ISUTION	(FT./SEC.)				
RELUW 1 1 f0 2 2 f0 5 5 f0 lu 10 f0 15 15 f0 20 2L f0 25 25 f0 3u	HOURS) MILES C-J7 L2-0 C-J9 10-8 J-11 28-4 C-28 84-7 U-17 6J-3 U-18 62-1 L-19 8J-7	33 24 7 7 0 6	35 -36 -25 -	-20 -17.5	-19 -12.	9 -10 2 1	-7.9	-5 +5 -6 11 -5 13 -7 -5 1 -5	•7.5 •10 7 1	•12.5	•15 •17.	3 +20 +	25 •32 •35
30 TO 35 480VE 35 TOTAL	6.47 2832.6 2.35 1294.5 12.68 454.1	0 6 71				,	•	10 34	, ,				
AL TITUDE	TIME (AUTICAL	TOTAL		FOR THE RITRAYIS AFT HICKAM FOR MONTH OF NON-STURE	OUTE BET B, CALIF AND AFR, HAW R THE F JULY	METN ORNEA ALL LONS UDE	DISTR	EBUTEDN (	FT./SEC.1				
11030 PT3 08L0w 1 1 FO 2 2 TO 5 5 TO 15 10 TO 15 15 TO 2 20 TO 25 25 TO 35 ABOVE 35 TOTAL	(HOURS) #1[ES 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 127 10.00 0.52 124.00 0.52 124.00 0.52 2033.1	P[AKS -	19 -30 -29 -	·20 -17.5 ·	1 5			34 31 34 32	•7.5 •10 15 12 15 12	*12.5 •	5 3	**20 *2	5 +12 +15
							• • •			•	, ,		
ALTITUDE	TIME VAULICAL	TUTAL			OND   T   DIPO	UDE	DISTAI		FT./SEC.1				
8 ft Ow 1 1 TO 2 2 TO 5 5 TO 1: 10 TO 15 15 TO 20 25 TO 25 25 TO 25 25 TO 25 25 TO 25 25 TO 25 25 TO 25 25 TO 25	HOURS1 HILFS 0-14 21-6 2-14 21-6 2-14 21-6 2-14 78-6 0-24 81-6 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2-7 0-2	51 20 17 6 0	35 -30 -25  -	26 <b>-17.9</b> -	1	2 2 1	2 2	11 * 7	3	,	15 +17.5		9 •33 •35 1
TOTAL	1.41 331.0	*			1	,	11	21 27	16 •	,		1	1
AL TITUDE	TIME VAUTICAL	TOTAL		STORM PLU		UDF	DISTRI	BUT!ON (	FT./SEC.1				
11000 FT1 0EL 0m 1 1 TO 2 2 TO 5 5 TU 13 10 TO 15 15 TO 20 20 TU 25 25 TO 30	thoughs Miles  U-14 21-8  U-14 21-8  U-14 21-8  U-14 127-8  U-27 100-9  U-38 127-9  U-38 128-9  U-38 128-9	PEARS -1 91 20 17 6 0 0	15 -32 -25 -	20 -17.5 -	1	2 2 1	-7.5 7 2 2	-9 •5 11 • 9 • 9	•7.5 •10 • B • 1 3	,		*25 +25	
	9.43 3745.6 5.28 2393.1 14.93 6748.9	1 2 3 5			1 5	14		34 31 55 59	15 12 31 21	•	5 3	1	

# TABLE Don DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETWERN TRAVIS AFFS. CALIFORNIA AND. NANATI FOR THE HONTH OF AUGUST NON-STORM CONDITIONS

			HON-STORM CONSITIO	MS					
ALTITUDE TIME (1000 PT) (HOURS) BELOW 1 C. 1 TO 2 0. 2 TO 9 0. 5 TO 1; 10 TO 19 0.	0. 0 0. 0 0. 0 0. 0 111.0	-39 -37 -29	-20 -17.5 -15 -12.5			(FT./SEC.) •7.5 •10	•12.5 •19	•17.5 •20	*25 *37 *35
20 TO 25 G.23 25 TO 30 D.28 30 TO 35 2.56 ABOVE 35 B.LL TOTAL 11.55	91.9 119.1 1 1 1129.9 26 3948.9 6 4997.2 27				• 10 • 10				
			STORM CONDITIONS						
ALTITUDE TIME V	AUTICAL TOTAL MILES PEARS	-35 -30 -25	-20 -17.5 -15 -12.5	UGE 01511		1PT./SEC.1	·12.5 •15	•11,5 •29	•25 •30 •35
BELOW 1 27 1 TO 2 L.09 2 TO 5 U.16 5 TO 10 3.26 10 TO 15 2.22 15 TO 20 C. 20 TO 25 G. 25 TO 35 G. 30 TO 35 C. 40 TO 35 V. TOTAL 0.01	13.8 23 23.2 27 46.9 26 79.6 1 76.3 0 0. 0 3. 0 3. 0 9. U 2. 3 223.9 74			1 4 1	2 4 5 6 5 12 1	: ;		1	
			STORP PLUS NON-STO	RM.					
ALTITUDE TIME Y	AUTICAL TOTAL	-35 -30 -25	-20 -17.5 -15 -12.5			(FT./SEC.) •7.5 •10	•12.5 •15	•17.5 •20	•25 •35 •35
RELOW 1 0.07 1 FD 2 5.09 2 FD 5 5.16 5 FD 10 5.26 10 FD 15 5.22 19 FD 27 5.31 20 FD 27 5.23 20 FD 27 5.23 25 FD 30 7.28	13.8 20 23.2 27 46.9 26 79.6 1 76.3 0 111.9 0 91.9 0			1 4	2 4	4 4		1	
30 TO 35 2.36 ABOVE 31 0.11 TOTAL 12.31	1125.4 26 3548.9 0 5.31.1 101			1 1	0 10	10 10		1	
ALTITUDE TEME N (1300 FT) (HOURS) BELOW 1 1 TO 2 0- 2 TO 5 0- 9 TO 10 U- 10 TO 15 5- 15 TO 20 G-27 20 TO 25 U-37 25 TO 80 0-32 30 TO 35 1U-89 ABOVE 35 7-97 TOTAL 19-62	AUTICAL TOTAL RILES PEAKS 0. C 0. C 0. J. C 0. J. C 0. C 0. C 0.		OF DERIVED VERTICAL FOR THE ROUTE BETWEE TRAVIS APP., CALIFORM AND HICKAM APB., MANASI FOR THE FORTH OF SEPTEMBER NOM-STORM CONDITION 20 -17.5 -15 -12.5 -	PN IEA I IS WHE DISTR	IBUTION (	FT./SEC.1 •7.5 •10	-12.5 •15 ·	•17.5 •2 <b>9</b> •	·25 •30 •35
			STORM COMBITIONS						
ALTITUDE TIME (4 (1908 FT) (HOURS) BELOW 1 G.06 1 TO 2 -28 2 TO 3 0.37 5 TO 16 G.06 10 TO 15 -23 15 TO 20 G.07 28 TO 30 G.07 28 TO 30 G.07 30 TO 35 G.06 ABOVE 35 U.07		-35 -37 -25 -	20 -17.5 -15 -12.5 -			FT./SEC.) +7.5 +10 ( 6 1 6 3	3 1 2	17.5 +20 +	25 •32 •35
TOTAL 1.84	·#:i *			7	17 47	12 5	5 L		
ALTITUDE TIME N	AUTICAL TOTAL		STORM PEUS MON-STOR	UDE DISTRI		FT./586.1			
11900 FT1 (HOURS)  880.00 I U.00 1 TO 2 U.28 2 TO 4 0.37 5 TO 1: U.49 10 TO 15 U.39 15 TO 26 0.31 20 TO 25 0.43 25 TO 30 0.38 26 TO 30 0.38 30 TO 35 10.75 ABOVE 35 8.84 TOTAL 21.46	HILES PERS PERS PERS PERS PERS PERS PERS PE	-35 -36 -25 •	20 -17.5 -15 -12.5 -	10 -7.5			12.5 •15 6 3 1 8	17. <b>5 •29 •</b>	25 •30 •35

# TABLE DBe DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN TRAVES ATO CALIFORNIA A-10 HICKAM AFB, MAMAII FOR THE MONTH OF OCTOBER

### HON-STORM CONDITIONS

ALTITUDE (1800 PT) ELOMI 1 TO 2 2 TO 5 5 TO 10 10 FO 15 5 TO 20 20 TO 20 20 TO 20 20 TO 35 40 TO 35 40 TO 35 40 TO 35	TIME NAUTICAL (HOURS) MILES C. 0. U. 0. U. 0. G. 0. U.03 225.4 G.37 222.4 4.17 1814.2 15.23 6713.4 15.40 7223.2 36.39 16603.6	PEAKS 0 0 0 0 0 2 0 2	-15 -10	-25 -	20 -17.	9 -19 -	UI 12.9 -19	DE 015 0 -7.5	1 17 18	2 1 30 41	7./SEC.1 7.5 +10	•12.5	• • 15	+17.5	•20	•25	*33 *39
					STOR	M CONDI											
ALTITUDE (1000 FT) BELLIM 1 1 TU 2 2 TO 5 5 TO 1. 10 TO 15 15 TO 25 25 TO 35 30 TO 35 ANOVE 35 TOTAL	TIME #AUTICAL HOURS! MILES   1.26   35.0   1.18   225.2   1.14   275.7   1.15   275.7   1.15   275.7   1.15   351.6   1.15   275.7   1.15   351.6   1.15   275.7   1.15   375.7   1.15   275.7   1.15   275.7   1.15   275.7   1.15   275.7   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.	PEARS 77 72 79 18 2 2 0	-35 -30	-25 -	20 -17.	9 -19 - 1		-7.5 4 4 3	14 1AUT -5 -9 -31 -22 -4 -2	10% (P) +5 +1 28 27 30 13	7./58 C. 1 7.5 • 10 14   10 12   2 4   3 1	3 2	1 1 1	•17.5	+20	•25	•33 •39
					STORM	PLUS NA	N-STORM										
ALTITUDE	TIME VAUTICAL	TOTAL PEAKS	-35 -33	-10			UC		A I BUT	ION 171	./SEC.1		418	•17.5	. 14	•25	•10 • 35
11000 FT F RELOW 1 1 TO 2 2 TO 5 5 TO 1 1' TO 15 15 TO 20 20 TO 25 25 TO 3	(HOURS) MILES 26 50.0 36 57.5 18 228.2 6 276.7 72 238.2 75 268.3 72 281.6 73 1903.4	77 72 75 10 2 2	-1, -1.	-27 -	20 - [7.	1	1		21 22 2		14 10 12 2 4 3		1	1	1	***	***************************************
AROVE 35	15.31 6747.7 16.45 7915.3 41.10 17953.6	43				1	4 11	14	17	30	3 2	•	,	2			
ALTITUDE (180.6 PT) 88.0W 1 1 TO 2 2 TU 5 5 TO 1 10 TO 15 15 TO 25 20 TO 25 20 TO 25 20 TO 25 30 TO 25 ABOVE 35 TOTAL	TIME VAUTICAL INDUSTS MILES 3 3	FOTAL PEARS 0 0 U U U U U U U U U U U U U U U U U	01 STRIPAL -35 -3:	,	TE DERIT	ROUTE AFR, CA AND N AFR, POR THE OF NOV	TICAL GU BETWEEN LIPORNIA MAMAII EMBER DITIONS	€ DIST	4 <b>  B</b> UT:	2 10 14 70 20	./SEC.) .5 •10	1	+15	•17.5	•27	•25	•12 •35
ALTITUDE	TIME MAUTICAL	TOTAL			STOR	CONDI		# DIST	n (Aut I	ION IFT	./SEC.1						
(1203 FT) 024.0b 1 1 TO 2 2 TO 5 5 TO 1 15 TO 20 20 TO 20 25 TO 30 30 TO 35 40 TO 35 4	(HOURS) MILES46 71.760 139.8 1.67 409.3 1.32 377.391 303.6 0.33 17.2 0.47 25.6 0.12 41.4 3.46 199.8 0.48 299.1	PEAKS 99 78 71 21 7 3 14 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -30	-25 -2	20 -17.9	ı	2 5	2	-9 19 20 12 0 2	14 22 17 12 4	.5 +10 25 9 15 4 12 10 1	1	1	2	• 23	*25	*30 *35
TOTAL	4.35 1729.1	2 93			2.64	1	) 10	34	42	76	57 23	1)	ı	2			
ALTITUDE	TIME MAUTICAL	TOTAL			STORM I		UD				./sec.)						
11000 FT1 BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 23 20 TO 25	(HQUAS) #1(E5 0.46 71.7 0.60 103.6 1.47 305.3 1.36 372.3 C.01 303.8 1.13 446.1	PEAKS 99 78 71 21 7 2	-39 -30	-29 -2	PO -17.5	i -19 -	12.5 -10 7 2 5 1 6		-5 19 20 12 8 2	22	.5 ·10 25 · • 15 · • 12 · 10 1	*12.3	1	•17,3	•20	•25	•32 •35
25 TO 33 30 TO 35 400VE 35 TOTAL	5.01 2492.4 14.00 4400.2 15.55 4020.4 45.65 18031.9	33 181 34 472				1	) 10	;	11 17 7	14 70 20	20 20	14	1	2			

327

# TABLE Deq DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE RESULTE SETUTED TRAVIS APP. CALIPPORNIA AND HICKAM APP. MAMAII FOR THE RONTH OF DECEMBER

NON-STORM CONDITIONS																				
ALTITUDE (1000 FT) BELDW 1		MAUTICAL MILES	TOTAL PEAKS	-15 -10 -25	-20 -17.5	-15	-12.5	- LO	0157 -7,5	A   BU1	F10H (	FT./1	+10	•12.5	•15	•17.5	•50	•25	.32 .31	,
1 70 2 2 70 3 5 70 13 10 70 15	0.	9. 9.	0															•		
15 TO 20 20 TO 25 25 TO 30	G.65 G.59 G.27	296.7 232.5 2465.5	3 25 13			1			ı	1 11 10	12 12 22	1								
SO TO 35 ABOVE 35 TOTAL	8.37 16.79 32.87	3744.1 7555.8 14315.8	132 210			1 2	1	3	10	10 4 40 46	12 22 17 64 116	3 8 12	1	ž	ŀ	1		,		
					STORM	CONO	ITION	\$												
ALTITUDE (1906 FT) BELOW 1	O.39	VAUTICAL MILES 50.3	TOTAL PEAKS	-35 -30 -25	-20 -17.5	-15	-12.5	-10	0157 -7.5 7	-9	12	FT./8	+10	•12,5	+15	•17.5	•20	•25	+30 +35	ŀ
1 TO 2 2 TO 5 5 TO 10	1.01	74.9 299.1	24 87	1	1		ı	•	٠	20	11 28 2	14				1	1		1	
10 TO 15 15 TO 20 20 TO 25 25 TO 30	0.43 0.	214.7 0. J.	0								2									
ABOVE 35	0. 0. 4.34	0. 0. 1023.7	191	i	ı		2	10	13	**	11	35	10	,		,	,		1	
					\$1.98M P	.US M	DW-5 T (	DRH												
ALTITUDE (1000 PT) GELOW 1	(HOURS)	50.3	PEAKS 65	-35 -30 -25	-26 -17.5	-15	-12.5	-10 5	01 5 TO	-5	12	•7.5		•12.5	•15	•17.5 1	• 20	•25	*30 *35	
1 TO 2 2 TO 5 5 TO 13 10 TO 15	1.01	78.8 374.9 299.1 214.7	26 67 2	1	1		1	•	•	20	1 L 20 2	14	•			1	1		1,	
15 TO 20 20 TO 25 25 TO 30	0.45	294.7 232.5 2405.5	25 13			L			ı	1 11 10	1 12 22 17	1	1							
30 TO 35 480VE 35 TOTAL	8.37 16.79 37.21	3744.1 7999.0 18341.5	132 400	1	1	1 2	1	13	10 24	112	17 64 171	47	21	;	1	1 3	z		1	

# TABLE DRG DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETMEN IRAVIS APR. CALIFORNIA AND WARE AERFORT, WARE ISLAND

				NON-1108#	CONDITIONS						
ALTITUDE 11000 FT 06LDW 1 L TO 2 2 TO 3 5 TO 13 LO TO 15	TIME VAUTECAL (HOURS) MILES 2. 3. 2. 0. U. 0.	PEARS ) )	-35 -30 -25		ÜE	C 0157418	UTION (FT.) 5 +5 +7.5	/ \$8 C. ) 5	?.9 +19 +17.	29	·25 •30 •3!
15 10 27 20 10 25 25 10 3 36 TU 35 480VE 35	0.62 2000.1 30.16 11003.0 99.53 43790.8 293.62 128090.1	39 34 236 745 1513 2787		1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 A 48 29		7 21 25	;		
		101		STORM CO		800.00	a Section	. 2011			
8 FLOW 1 1 TG 2 2 TO 5 5 FO 10 10 FO 15 15 TO 25 20 TO 25 25 TO 30	1 HOURS) RILES 2.40 350.8 3.76 630.1 5.82 1351.1 4.57 1347.0 4.23 1395.1 0.43 155.6 0.39 140.9 2.43 170.2	0 0 0 0 0 0 0 0 0 0	-38 -10 -25	-20 -17.9 -1 1	9 -12.5 -10 1 9 12 2 11 2 2 3 9	26 5 30 7 25 9 5 2	0 35 46 8 74 32 7 144 50 4 44 7 0 36 6	*10 *12 21 14	.5 •15 •17.5 • 5 1 5 i 1 1	1 .50	25 +13 +31
SC TO 35 ABOVE 35 TOTAL	1.51 443.3	21		1	1 12 33	4	i • 3 ) • 350  30	30 2	1 7 3	ı	
				STURM PLUS	NON-STORM						
	TIME HAUTICAL HOURS	TOTAL	-35 -30 -25	-20 -17.9 -1	UO 5 -12.5 -10		UTEON 1FT./		.5 +19 +17.5	.20 .	25 •13 •15
00LOW 1 1 TO 2 2 TO 5 5 TO 13 16 TO 15 15 TO 23 20 TO 25	3.40 394.8 3.76 386.1 5.82 1391.1 4.97 1347.0 4.23 1395.1 4.90 1695.4 7.31 2794.0 30.99 11982.2	221 253 332 91 69 59 34 236		ı	1 9 42 2 11 2 2 3 9 1 1	10 6	0 74 32 7 144 50 4 44 7 2 36 6 1 26 8 7 20 5	1 0	6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ı	
ABOVE 35 TOTAL	76.22 41.09.0 295.13 129339.1 454.29 191945.7	1534 3775			16 1 2 22 2 16 78	48 29 98 51 249 116	728 140		2 6 1 7 10 7	1	
				FOR THE ROUTRAVIS AFB. ANIMAKE AIRPIRT FOR WINTER	CALIFORNIA D , ware islai The Season	10					
ALTITUDE (1000PTI BELOW 1 1 TO 2 2 TO 3 5 TO 10	TIME VAUTICAL HOURS) MILES L. O. O. O. U. J.	TOTAL PEARS 0 0	-35 -36 -25		UDI		/TION (PT./ 1 +5 +7.5		.5 +15 +17.5	.20 .1	15 •10 •35
10 TO 15 15 TO 23 20 TO 25	6. J. 0.67 223.5 v.73 204.6	2 13				1					
25 TO 33 30 TO 35 ABOVE 34	0.76 325.2 10.39 4976.2 50.09 22541.0	391 298			14	39 99 23 122	2 185 44 119 24	•	<b>?</b>		
TOTAL	63.52 27953.5	736			17	50 217	317 72	22	•		
ALTITUDE	TEME MAUTICAL HOURS HILES	TOTAL PEAKS	-35 -10 -25	STORM CO	Une	DISTAINU	TION (FT./:		.5 +19 +17.5		
1 TO 2 2 TO 5 5 TO 15 16 TO 15 15 TO 25	0.00 42.1 0.00 102.3 0.00 109.9 0.53 170.9 0. 0.	38 7 33 22 13 3	-,, -,, -,,	-10 -111, -1	1 3	-7.9 -9 6 9 1 0 1 6	10 9	• •			
25 TO 30 30 TO 35 ABOVE 35 TOTAL	C. J. C. J. C. J. 135.1 2.07 767.9	0				:		, ,	. , ,		
	2.47 767.9	114		STORP PLUS		4 29	74 17		1		
	TIME NAUTICAL INDURS) MILES	PEAKS	-35 -36 -25		UDE	-7.5 -5		*10 *12.	.5 +15 +17.5	•20 •2	5 +32 +35
1 TO 2 2 TO 5 5 TO 10 10 TU 15 15 TO 25 20 TO 25 25 TO 30	20 43.7 20 42.1 U.46 102.3 U.46 107.0 C.53 174.0 U.62 223.5 U.73 204.0 U.73 329.2	30 7 33 22 13 2 13			1 2	1 1	1 2 19 4 9 3 3	, ,	•		
36 10 35	130 4576.2 51.31 22676.1 66.49 20716.4	394 825			) ) ) )	35 93 23 125 44 245	185 44	16 2	i		

## TABLE D94 DISTRIBUTIONS OF DERIVED VERTICAL SUST VELOCITY FOR THE ROUTE BETWEEN TRAVES APP. CALIFFRNIA AND WARE AIRPORT, WARE ISLAND FOR THE SPRING SEASON

## NON-STORM CONDITIONS

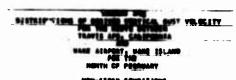
						110															
ALTITUDE	TIME	VAUTICAL	TOTAL																		
11800 FT1			PEARS	- 11 -		- 10				UUI	DIST	4 1 80	1104								+33 +35
BELDW 1	3.		PEARS	-,, -	,, -,,	- 20	-11.5	-17	-12.1	-10	-7.5	-,	• •	• 1.5		.15.2	*13		* ***	.52	* 17 * 15
1 10 2																					
	٥.	2.	2																		
2 (0 5	٥.	0.	U																		
9 10 13		J.																			
10 10 15		٠.	٥																		
15 10 20	6.2.	237.4	15							1	1		7	1							
20 10 25	U.39	229.7	A								ĭ	1		i							
25 10 34	4.12	2407.8	7							2	1	i	•	i							
30 10 35	12.54	3574.5	i							-	•			•							
AGOVE 35	42.45	10907.4	78									:	36	3							
TOTAL	62.56	27359.4	109						1	3	,	45	- 44	•	1						
101-0									•	•		47	••	•							
							STORM	CON	P11104	\$											
ALTITUDE	TEME	VAUTICAL	TOTAL							UDE	0151	8 1 6 W	10N 4	PT./S	£C.1						
11000 FT1	CHOURS	MILES	PEAKS	-33 -	0 -25	-20	-17.5	-15	-12.5			-5		.7.5	.10	+12.5	+15	+17.9	+23	.25	+30 +35
BEL DW 1		43.3	47		-		1		3	4		10	5	10	7					•	
1 10 2	0.51	44.5	57				•	•	- 1	•	ī	13	15			•	•	1			
2 10 5	0.99	245.3	70						•	•	ij	14	20	21	,	;	,				
5 10 10		201.4	7								•			**	,	,					
16 (0 15	6.53	102.1							1	2	•	1	13		_						
			24							- 4	,	,	13	ı	•				•		
19 10 35	0.	٥.	٥																		
20 10 25	٥.	٥.	0																		
25 TO 3J	0.	٠.	G																		
30 10 35	0.	0.																			
ABOVE 35	0.	٥.	0																		
TOTAL	2.97	769.7	205				ı	1	•	12	17	43	55	36	ST	7	)	1			
						\$10	38 M P	LUS A	10N -S T	OR H											
ALTITUDE	TEME	MAUTICAL	TOTAL							UDF	01510	1001	ton ti	11./5	PC. 1						
(1806 FT)	INCURSI	MILES	PEARS	-35 -1	0 -25	-20	17.5	-19	-12.5	-10	-1.4	-5		7.5		.12.5	+15	+17.5	+ 20	. 25	+30 +35
BELOW 1	2.29	43.3	47					i	2	- 4		19	9	10	ij	1	• • •				
1 10 2	91	80.5	97				•	•	i	- 7	ī	15	15	- 7		,	3	1			
2 10 5	6.99	245.3	70						į	•	ij	14	20	21	•	•	•	•			
3 TO 10	6.44	201.4	7						i		•			21	,	,					
10 70 13	6.53	102.1	24									L									
										5	)	,	10		•						
15 10 23	0.45	237.9	19						1	ı	1	•	7	1							
20 10 29	0.59	229.7	•								1	1	3	ı							
25 10 30	0.12	2.07.6	7							5	1	3		1							
30 10 35	12.54	3576.5	1									1									
ABOVE 35	42.45	18907.4	78								2	30	3 6	3	1						
TOTAL	45.53	20120.1	314				1	1	7	1 1	5.5		103	44	2.5	7	,	1			

# TABLE DP4 DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETWERN TRAVIS AFS, CALIFORNIA AND WARE AIRPORT, WAKE ISLAND FOR THE SUMMER SEASON NON-STORM CONDITIONS

					NON-51	-	1110	045												
ALTITUDE 1100L FTI 08LCW L 1 TO 2 2 TO 5		WAUTICAL MILES 3. 0.	FUTAL PEAKS 0 0	-15 -10 -	29 -26 -17.	5 -	12.5				7 E CM			•12.5	+15	+17.5	•20	-25	•12 •	35
5 10 12 10 70 15 15 70 20 20 70 25 20 10 30 20 70 35	0. 0.93 0.74	199.5 230.3 310.1	0 14 0 1							3	1 2	3								
AGOVE 35	**:**	20 933.0	366 183		i	1	i	i	35 35	117	133	39 42	;	:	ì					
					1100	M COMD1	TIONS													
ALTIVUE (1200 FT) 00LDW 1 1 TO 2 2 TO 5 2 TO 12 16 TO 15 C9 TO 22 20 TO 25	(HOURS) 2.90 1.02 0.95 5.96 93	74.6 177.7 122.5 167.6 171.3	TOTAL PEARS 91 46 12 21 10 0	-39 -30 -	25 -20 -17.	5 -15 -	12.5	UDE -10 4 1	DEST -7.5 7 6	-5 13 17 2	10 10 10 7 11 7	PT./: •7.5 •				•17.5	• 20	-25	*39 *3	<b>33</b>
25 TO 35 30 TO 35 480VE 35 TOTAL	;: ::	713.0	0 0					•	10	30	49	21	,	2	2		1			
					\$109#	PLUS NO	-510	MH												
ALTITUDE (1000 PT) BBLOW 1 1 TO 2 2 TO 3 5 TO 10 10 TO 15 19 TO 29 20 TO 35	0.93 1.32 0.93 0.93 0.93 0.93	74.8 177.7 122.5 167.6 171.3 199.5 233.3	707AL PEARS 91 44 12 21 10	-35 -10 -	19 -20 -17.	9 -19 -	12.5	-10 -10 1	0157 -7.5 7 8	010U1 -9 13 17 2 4	110N (	PT./1		•12:9 1	*15	•17.5	- 20	•25	*** *1	**
25 TU 36 30 TO 35 400VE 35 TOTAL	0.14 0.13 10.10 10.11	2007.0 2007.0 20073.0 21070.3	146		t	ì	i	1.	35 51	114	123	3° 63	.*	:	į		ı			

# TABLE DOG DISTRIBUTIONS OF OFFIVED VERTICAL GUST VELOCITY FOR THE ROUTE RETUEN TRAVIS AFR, CALIFORNIA AND MAKE AIPPUBT, MAKE ISLAND FOR THE AUTUMN SEASON

		NON-STORM CONDITIE	Dras			
ALTITUDE TIME VAUTICAL (10GC FT) (MOURS) MILES BELOW 1	TUTAL PEAKS -35 -30 -25	-2u -17.5 -19 -12.5	UDE DISTRI -13 -7.5	MUTION (FT./SEC. -5 +5 +7.5 +1	) 0 +12.5 +15 +17.5	S +20  +25 +13 +39
10 TO 15 U. J. 15 TO 25 2. 28 BB.W 20 TO 25 4.71 189W.S 25 TO 35 22.51 879W.S 27 TO 35 46.47 2799%.6 ABOVE 35 152.49 60314.5 TOTAL 249 105767.4	28 13 226 551 771 1589	1 1 2	4 9 2 2 13 2 11 34 2	04 292 15	7 1 5 1 1 1 2	
ALTITUDE TIME JAUTICAL	FOLAL	STORM CONDITIONS		NUTION (FT./SEC.		
11002 FT HOURS   HILLS   RELOW   1 - 1-2   193.1   1 TO 2   1-34   329.8   2 TO 5 3.45   600.9   5 TU 15 4.64   646.8   15 TO 22 - 4-3   155.6   23 TO 25   6.39   149.9   25 TO 35   4-35   179.2   3.10 35   4-35   179.2   3.10 35   4-35   119.2   3.10 35   4-35   119.2   3.10 35   4-35   119.2   3.10 35   4-35   119.3   3.10 35   4-35   119.3   3.10 35   4-35   3.10 35   4-35   3.10 35   4-35   3.10 35   4-35   3.10 35   4-35   3.10 35   4-35   3.10 35   4-35   3.10 35   4-35   3.10 35   4-35   3.10 35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-35   4-3		-20 -17.5 -19 -12.5 1 1	-17 -7.5 1 9 4 21 1 17 2 3 1 1	-5 +5 +7.5 +1 22 26 16 43 48 18 73 98 23	9 +   2.5 +   5 +   7.5 6	1 *20   *25   *33 *55
10.30				, •		
ALTITUDE FIRE AUTICAL (1933 FFF (HOURS) RILES RECOM 1 1.35. 193.1 1 TU 2 1.94 129.0 2 TU 9 3.65 803.0 5 TO 1 2.66 798.3 10 TO 15 2.64 866.0 13 TO 2) 2.75 994.5	TOTAL PLAKS -35 -3; -25 85 143 217 41 22 28	5108H PLUS MON-510 -2C -17.* -15 -12.9 1 1	UDE DISTRIC	22 26 16 13 48 18	9 +12.5 +15 +17.5 1 2 5 2 7 7 1	·20 ·25 ·33 ·39
20 TO 25 5.15 2640.3 25 TO 5 22.44 8939.1 35 TO 35 47.16 28266.8 AROVE 35 154.10 66022.4 TOTAL 264.14 11333.9	13 226 952 766 2113	1 1 1 5	4 9 6 2 13 20 11 30 21	5 5 2 116 22	1	
	DISTRIBUTION	TABLE DOF S OF DERIVED VERTICAL FOR THE ROUTE BETWE TRAVIS AFB, CALIFOR	EN	ITY		
		WAKE SIRPORT, WAKE I	SLAND			
		NON-STORM CONDITIO	148			
ALTITUDE FINE (AUTICAL LIDGE FT) HOURS   MILES BELOW	TOTAL -35 -36 -29 ( ) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-20 -17.5 -19 -12.9	-10 -7.5 -	1 10 7 2 2 127 46 14 3 16 4 2	) +17.5 <b>+15 +17.5</b>	*20 *25 *37 *35
		STORM COMMITIONS				
ALTITUDE TIME VAUTICAL		-70 -17.5 -15 -12.5	-10 -7.9 -			·20 ·25 ·33 ·35
86LOW 1 0.36 8.6 1 TO 2 0.36 9.7 2 TO 3 0.17 21.8 5 TO 10 0.16 41.1 13 TO 19 0.19 33.5 19 TO 25 0. 3. 25 TO 25 0. 0. 35 TO 35 0. 0.	3 0 1 17 1 0 0	ı		1 1 2 a 3	1	
1014L 2.46 114.6	22	ı	2 1	, , , ı	ı	
		STORM PLUS NOT-STO				
ALTITUDE TIME VAUTICAL ILBOC PTI (HOURS) MILES BELOW L C.JG B.G	PEARS -35 -36 -25	-20 -17.5 -15 -12.5		UTION (FT./STC.) 5 +5 +7.5 +10 1 1	+12.5 +15 +17.5	.23 .25 .33 .35
1 TO 2 0.36 4.7 2 TO 3 0.10 21.6 5 TO 1714 41.1 10 TO 19 0.10 33.5 15 TO 20 0.11 30.5 20 TO 29 0.12 45.6 25 TO 35 0.14 59.2 20 TO 29 1.01 700.7	0 1 17 1 1 1 13 2	1	14 39 4			
107AL 11.42 4704.4	476	1 .	17 46 11	3 16 4 2		



-M -17.6 -19 -12.5 -10 -7.5 -5 -5 -7.5 -10 -12.5 -15 -17.5 -30 -25 ALTITUDE TIME NAUTICAL (1802 PT) (NEWAS) RILES (1802 P -20 -17.5 -15 -12.5 -10 -7.5 -5 +5 +7.5 +10 +12.5 +15 +17.5 +20 +25 +36 +35 +17.5 +17.5 +20 +25 +36 +35 +17.5 +17.5 +20 +25 +36 +35 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 STORM PLUS NON-STORM ALTITUDE (1000 FT) 98.0w 1 1 TO 2 2 TO 9 5 TO 10 10 TO 13 15 TO 20 20 TO 25 25 TO 30 30 TO 25 ABOVE 35 TOTAL FINE (MOURS)
0.10
0.00
0.21
0.10
0.24
0.26
0.27
5.01
17.23
24.06 VAUTICAL 1 RILES 14-1 12-3 43-0 40-0 59-7 60-0 110-3 111-9 2578-0 7495-0 10951-0 UDE DISTRIBUTION (PT./SEC.)
-20 -17.5 -15 -12.5 -10 -7.5 -5 05 07.5 010 012.5 010 017.5 020 025 030 035
2 4 2 0 2 3 4
1 1
2 1 3 3 1 1 TABLE D96
DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY
FOR THE ROUTE DETWEN
TRAVIS APS. CALIFORNIA
AND
WARE AIRPORT, WARE ISLAND
FOR THE
HONTH OF RARCH ALTITUDE TIME NAUTICAL (1800 PT) (HBURS) RILES DELBN 1 0. 0. 1. TO 2 0. 0. 2 TO 3 0. 0. 15 TO 15 0. 0. 0. 15 TO 25 0.00 35.2 20 TO 25 0.00 35.2 25 TO 36 0.11 04.0 30 TO 25 0.00 35.0 25 TO 35 0.00 35.0 35 0.00 35.0 35 0.00 35.0 35 0.00 35.0 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 0.00 35 -25 -28 -17.5 -15 -12.5 -10 -7.5 -5 +5 +7.5 +10 +12.5 +15 +17.5 +20 +25 ALTITUDE TIME (1000 FT) (MOURS BELOW 1 0-04 1 TO 2 0-04 2 TO 5 0-11 9 TO 10 0-0 15 TO 20 0-20 TO 25 TO 10 0-20 TO 25 0-20 TO 25 0-20 TO 26 0-20 #AUTICAL #FLRS 5.0 6.7 31.2 20.2 0. 0. 0. 0. ALTIPOS (1000 PT) (1000 PT) (100 PT) (1 71mg MTICAL PILES 9.6 8.7 31.2 20.2 20.9 20.9 40.9 410.5 4407.6

# TABLE DM DISTRIBUTIONS OF DRIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN TRAVIS AFA, CALIFORNIA AND WAKE AIRDORT, WAKE ISLAND FUR THE MONTH OF APRIL

						,	40M-21	04= C	וווטאכ	0.42											
ALTITUDE (10° FT) BELOW 1 1 10 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 20 TO 35 ABOVE 35 TOTAL		VAUTICAL ) MILES J. J. 2. 2. 2. 82.0 64.1 78.2 4733.7 3633.6 8501.6	FOTAL PEARS O	-35	-3; -2	5 -20	-17.	5 -15	-12.5		E DIS -7.5					•12.	5 •15	•17.5	• • 23	•25	•37 •35
							STOR	× COND	ITION	S											
ALTITUDE	1145	MAUTICAL	TOTAL							UDI	0151	RIBUT	1DN 1	FT./5	EC.1						
(1900 FT) BELOW 1 1 TO 2 2 TO 5 5 FU 10, 10 TO 15 15 TU 25 20 TU 25	0.10 0.19 0.38 0.16 0.16	14.9 31.4 89.8 48.2 53.3 6. 0.	PEARS 26 20 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	-35	-3; -2	5 -26	-17.	5 -15 1	i	3	-7.5 2 1 2	3	3 5 2 2 9	•7.5	1 4	*12.9	3	•17.5 1	+23	•25	*30 *35
TOTAL		237.5	74					ı	2	•	•	24	51	17	10	3	3	1			
							TORM	PLUS N	04-51	ORM											
ALTITUDE:	1146	SAUTICAL	TOTAL							UDE	0151	RIBUT	IDN I	FT./S	FC.I						
11030 FT1	(HOURS)	14.9	PEARS	-35 -	3: -2	-50	-17.	5 -15	-12.5 l	-10	-7.5	-3				+12.5 1	+15	•17.5	•20	+25	*17 *35
1 10 2		31.4	26 20					•	i	3	į	•	3	2	2	,	3	1			
9 TO 13	J.16	48.2	23							,	1	,	2	1	٠	•					
15 TO 25	22	12.0	3							-	•	-	-	•							
33 10 35	10.65	78.2 4733.7	¢																		
ABOVE 35	8.55	3633.6	1H 112					ı	2			30	13	10	11	3	,				
								-	_		_			•		_	•	•			
						WAK	AVIS ( L AIRI I MDNTH		AL IFOI MAKE I E May	RNIA ISLAN	D										
			• - • · ·			·N	CW-ST	)## CO	101111												
ALTITUDE (1300 FT) RELOW 1 1 TO 2 2 TO 5 5 FO 12 13 TO 15 15 TU 2J 20 TO 25 25 TO 35		YAUTICAL WILES J. U. O. LZJ.6 124.7 2284.7		-35 -	10 -25	-20	-17.5	5 <b>-</b> 15 ·	-12.5 i	-10	OLST -7.3	-5 -5	7 5	1 1 1	•10	•12.5	•15	•17.5	•22	•25	•30 •35
30 TO 35	1.81	807.3	i 54							•		1									
TOTAL	33.16	14031.7	85						1	3	5	36	23 35	5							
							STORK	COND	TIONS												
ALTITUDE		HAUTICAL	TOTAL							UNE	DEST										
11003 FT1 BELOW 1 1 TO 2 2 TO 5 5 TO 13 15 TO 2 25 TO 25 25 TO 35 36 TO 35	C. 29	#1665 22.9 40.4 124.3 127.1 98.9	PEAKS 10 27 47 5 4 6	-35 -	30 -29	-20	-17.1	-15 -	-12.5 1 2 1	-10	-7.5 4 5 2	-9 2 9	19 16 3	7.5	*10  - 3 3 2 1	12.5 3 1	•15	•17.5	• 20	• 25	•32 •35
ABOVE 35	ć. 1.44	421.6	101				1			5	11	16	30	21	•						
TOTAL		76.1.0					•		•	,	• •		,,	•••	7	•					
						51	-	LUS NO	m-570												
ALTITUDE	(HOURS)	MILES	PEAKS	-35 -	sc -25	-20		-15 -		-10		- 5	*5 *	7.5		12.5	•15	17.5	•23	•25	•12 •35
BELOW 1	6.25	22.9 48.4	18 27				1		1	3	•	2	1	:	3	3					
2 TO 5 5 TO 13		124.3	*7						ŗ		•	1	16	13	2	1					
12 TO 15 15 TO 2: 22 TO 25		98.9 129.6 129.7	15						ı	ı	1	•	7	ļ	ı						
25 TO 32 30 TO 35	5.82 1.61	2284.7	į							2	ł	3	5	i							
ABOVE 35	24.87	11,89.5	106				1		,		2	27	23	, 2	_						
	, TV	.7073.7					•		,	•	10	52	45	50	•	•					

## TABLE DON OUSTRIBUTIONS OF DERIVED VERTICAL GUST VOLDCITY FOR THE MOUTE SETWERY TRAYIS AFD, COLIFORNIA AND MAKE AIRPORT. MARE ESLAND

Ma-1100 CMAITIGHT

						70.77	-31 DKM	CUMOTA	1042										
TITUDE 1000 FT) 1000 FT) 100 Z 100 Z 100 TO 100 TO 100 Z 100 Z			TOTAL PEAKS 3 0 0 2 14 0 0 C	-35 -	lu -25	-20 -	17.5 -	15 -12.	106 5 -10	015T	3 11 14	10M 11 +5	FT./SF •7.5	(.) •10	•12.5	•15	•17.5	29 •29	• • • • • • • • • • • • • • • • • • • •
						S	-	01710H	NS										
TITUDE	TIME W	MITICAL	TOTAL						UDE	0157	TURES								
	(HOURS) 0.39 0.02 0.17 0.20 0.		PFARS 20 32 2 5 10 0 0 0 0	-35 -1	90 <b>-25</b>	-20 -	17.5 -	15 -12.	5 -10 1 1	-7.5	13	10 4 2 5 7	1	*10 *	•12.5	+15 (	·17.9 •	20 •29	• •37 •35
FOTAL	1.40	328.9	77						2	11	24	20	•	,		ı			
7.295	****					\$10		MOM-2											
1900 FT1 100 1 1 T0 2 2 TU 5 1 TO 15 1 TO 15 1 TO 26	(HOURS) 0.39 0.82 0.10 0.17 0.20	MILES 35.8 141.0 24.7 46.7 59.9 62.9	PtARS 20 32 2 3 16	-95 -1	2 -25	-30 -	17.5 -1	15 -12.			13				12.5	•15 •	17.5 •	20 •25	•12 •15
TO 3;	J.25	105.6	9																
OVE 35	17.15	7867.6	33								11	17	. 2						
TOTAL:	20.20		121						•	**	,,	7,	13	,		•			
LTITUDE 1000 FT) NELOW 1 1 TO 2 2 TO 3 5 TO 20 0 TO 3 5 TO	FINE VI CMOURS) C. C. C.21 C.22 L.08 17.40 17.40	AUTICAL MILES J. O. J. J. J. J. J. J. J. J. J. J. J. J. J.	TOTAL PCARS 00 00 00 00 00 11	-1		FOR TRAV WAKE MOT	ERIVED THE ROL IS AFR. AIRPORT FOR THE OF	VERTICALITE BETH CALIFO HO HAKE THE JULY	ISLAMI ISLAMI IONS UDE	01511	1 <b>10</b> UT				12.5	•19 •	17.5 •;	25 +25	•3 <b>0</b> •35
						\$1	-	M01110	15										
TTTUDE 1000 FT1 DELOW 1 1 TO 2 2 TO 5 5 TO 10 5 TO 20 3 TO 25 5 TO 30 5 TO 35 5 TO 35			TOTAL PEARS 19 12 6 6 6 6 6 6 7	-35 -1	c -25	-20 -	17.9 -I	15 -12.1	UDE -10 -	01578 -7.5 2 1	18UT?	ON (F	7./SEE 7.5 5 2 1	1	12.5	1	17.5 +2	29 +25	•39 •35
						\$100	IM PLUS	NON-51					_						
.TITUDE 1000 FT) NELOW 1 1 TO 2 2 TO 5 3 TO 15 3 TO 25 3 TO 25 3 TO 25 3 TO 25	TIME NA ENGURS 3 2.07 P.UB U.28 0.17 U.27 U.27 U.23 1.68	WTICAL MILES 12.9 13.0 47.3 93.1 57.2 76.4 85.7 90.5 799.7	TOTAL PEARS 19 12 4 0	-35 -3	0 -25	-26 -	17.9 -1	19 -12.1	10f	015TR -7.5 2 1	-9				12.5	1	17.5 •2	• • • • • • • • • • • • • • • • • • • •	*33 *35
	1000 PT   1000	100	100 0 FT   1400AS   MILES   100 1				TITUDE TIME NAUTICAL TOTAL  1809 FT   INDUSS   RILES   PEARS   -35 -34 -25 -20 -20 -20    10 12	TITUDE TIME NAUTICAL TOTAL  100    FT   COUNTS   NILES    100    FT   COUNTS   NILES    100    FT   COUNTS    100    FT   COUNTS	TITUDE TIME MAUTICAL TOTAL SOOP FI (MOURS) RILES PERMS - 35 - 36 - 25 - 20 - 17.5 - 15 - 12.  10	TITUDE TIME NAUTICAL TOTAL  STORM CONDITIONS  TITUDE TIME NAUTICAL TOTAL  SOUTH I HOURS STORM  STORM CONDITIONS  STORM CONDITIONS  STORM CONDITIONS  TITUDE TIME NAUTICAL TOTAL  SOUTH I HOURS STORM  STORM CONDITIONS  TITUDE TIME NAUTICAL TOTAL  SOUTH I HOURS STORM  STORM CONDITIONS  TITUDE TIME NAUTICAL TOTAL  SOUTH I HOURS STORM  NOW STORM CONDITIONS  THE STORM CONDITIONS  THE STORM CONDITIONS  STORM COND	TITUDE TIME MAUTICAL TOTAL SOCYTI INDUSTS PRICE PRINTS -25 -36 -25 -20 -17.5 -15 -12.9 -10 -7.5  10 2 1 -	TITUDE   TIME   MAUTICAL   POPAL   P					Time   Second   Time   Second   Time   Second   Time   T	Time	TIONAL CONSTITUENT   STATE   STATE

# TABLE DAW DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE DETWERN TRAVIS APP. CALIFORNIA AND WARE AIRPORT, WARE ISLAND FOR THE HONTH OF AUGUST

							NON-51	OAM C	ONO 1 T I	045												
ALTITUDE (1000 FT) MELDU 1 1 TU 2 2 TO 5 5 TG 15 15 TG 15 15 TG 23	TIME INCURS 0. 0. 0. C. C.	MAUTICAL I MILES J. J. O. J.	TUTAL PEARS C 0 0 0	-35	-30 -2	5 -2	0 -17.	9 -19	-12.1			**************************************				+12.1	•15	+17.	29	•25	•10 •1	19
20 TO 25 25 TO 33 30 TO 35	6.10 6.26 3.60 12.35 16.56	70.8 165.9 1550.9 5299.1 7687.5	0 1 2 335 330				i i	1	i 1	:	35 15	102	1 2 136 139	37	;	:	ł					
							STOR	M CON	017104													
ALTITUDE (1030 FT) BELOW 1 1 TU 2 2 TU 5	(MOURS 6.74 6.12 6.23	6.1 21.0 50.6	PEAKS	-35	-30 -29	-21	0 -17.	5 -15	-12.9	-10	-7.9 l	74 (80) -5 2 1	2	•7.5 1	*13	1	•15	•17.9	1 +20 1	•25	*39 *3	5
5 TU 10 10 TU 15 15 TO 2 20 TO 25 25 TO 30	J.16	67.7 54.1 0. 0.	0 0							1	1	•	٠	3		1						
ABOVE 35 TOTAL	C. 79	199.9	20							1	2	7	•	5		2			1			
							STORM	PLUS I	12-MON	08.8												
ALTITUDE (1036 FT)		NAUTICAL	TOTAL	-14	-30 -25		0 -17.			UDE		#1 BUT				412.5	415	417.9		. 29	•33 •39	
BELDW 1 1 TO 2	6.34	21.0	;	-,,	-30 -21	- 4	-11.	, -,,	-12.1	-	ï	2		ı	***	i	***	V	i	***	·,,	•
2 fo 5 5 fo 15 10 fo 15 15 fo 25 20 fo 25	0.24 6.16 1.17 C.18	57.6 67.7 56.1 67.2 73.0	16							1	1	1	2	3		1						
25 TO 33 30 TU 35 ABOVE 35	3.60 12.35	165.9 1953.9 9299.1	333				ı	1	ļ	•	35	102	136	37	•	•	1		_			
TOTAL	17.15	7286.5	364			1		1	•	•	37	109	147	42	•	•	1		1			
				01571	R   8071 C	FI TI	P DERE DR THE RAVIS KE AIR	AFB, 1 AFB, 1 AMO PORT, FOR TI OF SI	ENTICA E DETH CALIFO WAKE E EPTEND	EEN RN   A   SLAN		DC 11v										
ALTITUDE (1899 FT) SELOW 1 1 TO 2		WAUTICAL I MILES	TUTAL PEAKS	-35	-30 -29	-20	-17.	9 -15	-12.5			AIBUT -5				•12.5	•15	•17.5	•20	•25	•39 •35	,
2 70 5 5 70 10 10 70 15	ç.	3. 8. 3.	9																			
15 TO 25 20 TO 25 25 TO 30	6.24 1.30 1.43	91.9 544.7 175.4	1 3 L									1	2									
35 TO 35 ABOVE 35 TOTAL	12.90 15.22 3:.11	5425.9 6563.3 12821.3	20 40 92								5	20	27	1								
							1700															
ALT I TUDE		HAUTICAL	TOTAL		-30 -29							RIBUT										
(1000 FT) BELOW 1 1 TO 2	16	25.0	PEARS 35 16	-,,	-30 -21	-44	-17.	1,	-12.7	-10	7	- 5	11	:	***	*12.>	413	••••	*20	*47	•10 •15	
\$ 10 15 10 10 15	C.39 L.33 0.29	92.9 101.3 97.2	22									•	16	,								
15 TO 2. 20 TO 25 25 TO 30	0.11	42.3 44.2 38.0																				
30 TO 35 400VE 35 TOTAL	6. 1.05	16.3 3. 512.3	1 0 76								,	1	15	L					54			
							TONH (	PA LOS A	rm-47	00 m												
ALTITUDE (1900 FT)	1 Inc	MAUTICAL MILES	TOTAL PEAKS	- • • •	-30 -29					UDE		1 007						•17.5			• 33 • 35	
BELOW 1	3.16	35.2	35	-,, -	-30 -43	-20	-17.	17	-12.7	-10	3		11	•	***	•12.9	*.,		*40	***	***	
2 TO 5 9 TO 10 10 TO 15	0.39 0.39	101.3 97.2	22									3	1	,								
29 TO 25 29 TO 30	1.41	134.2 560.6 213.4	3									1	1 2									
30 TO 35 480VE 35 TOTAL	12.94 13.22 31.97	\$442.3 6983.3 (3333.5	88 160								15	20	14 27 70	*	•							

## TABLE DODISTRIBUTIONS OF DERIVED VERTICAL BUST VELOCITY FOR THE ROUTE BETWEEN TRAVIS APP. CALIFORNIA MO WASE AIRPORT, WASE ISLAND FOR THE MONTH OF OCTOBER

NON-STORM COMBITIONS

AL F1 TUDE (1906 FT) 961 Ou 1 1 TO 2 2 TO 5 5 TO 10 13 TO 15	C.	VAUTICAL I) MILES 2. 0. 3. 3.	TOTAL PEAKS U 0 0	-11 -	3C -25	-70	-17.5	-15	-12.9	- 10 - 10	015 -7.5	TR   BU -5	710N +5	1FT./1 •7.\$	₩C.1	•12.5	•15	•17.5	• 20	-25	•16 •15
15 TU 27 20 TO 25 25 TO 33 30 TO 35 ABOVE 35	0.76 0.76 1.18 27.40 50.16	274.9 378.1 495.9 11613.4 29574.5	76						1	?	15	23 111	43	40	1	1					
TOTAL	90.46	30533.7	919						1	٠	1.0	134	296	44	٠	1					
ALT LTUDE	TIME	NAUTE AL	TOTAL				STORM	CON	D1 T 10%		nis	<b>7 8 1 8</b> 41		FT./5	ec . 1						
(1000 FT) BELOW 1 1 TO 2	1HOURS		PEARS 17	-35 -	30 -25	-20	-17.5	-15	-12.5			-5	*	•7.5		.13.5	•15	•17.5	. 50	• 25	•10 •11
3 TO 5 5 TO 10 10 TO 15 15 TO 25 25 TO 25 25 TU 32	1.23 1.05 2.45 8.31 0.27	202.7 320.4 319.2 113.3 109.7 141.2	14						•	1	,	12	11 16 7 4	3	ì		1				
30 TO 35 480VE 35 TOTAL	3.97	275.4 415.4 2154.4	115						1			33	42	16	•	ı	1				
						\$1	DRH P	LUS R	104-ST	T 4 M											
ALTITUDE	TEME	MAUTICAL H MILES	TOTAL PEAKS	-19 -	39 -25				-12 5	UDE	0151	/A I OU1		FT./S		.12.6	415	•17.5		•25	•12 •15
SELOW 1	5.48	72.6 137.9	17	••		•••	.,,,	••	1	3	1 7	12	11	6	1	1	•••	•••••	•••	•••	
2 TO 5 5 TO 13 10 TO 15	1.25	262.7 320.4 319.2	32 14							1		12	16	ì	1		1				
19 10 2, 20 10 25 25 10 33	1.24	300.2 403.4 637.1	3 2 3									5	2								
30 1U 35 ABOVE 35 TOTAL	20.36 59.12 95.36	12086.3 25 993.1 40488.4	76 431 622						1 2	10	15 26	23 112 169	43 252 340	41	1 5 12	1 2	1				
				DISTRI	INUTIO	FOR TRA WAKE	THE VIS A	ROUTE FB. C ANO DRT. DR TH	AL IFO	EEM RM   A I SL AM		.OC 17 V									
ALTITUDE		MAUTICAL 1 MILES	TOTAL PEAKS	-15 -	13 -24					UDE				<u> </u>							+30 +35
88LOw 1 1 TO 2 2 TO 3	:: ::	3.	0			•••			,			•••	••	****		• • • • •	•••		***	14.7	****
5 TO 12 10 TO 15 15 TO 23	1.31	3. 472.1	0 24								1	11									
20 10 25 25 10 3 - 30 10 35	2.45 25.90 24.16	974.7 8388.6 10718.3	224 495				1		ı	•	10	43	110	2 22 28	7		ì				
ABOVE 35	79.61 18.42	34156.7 54412.4	274				1		1	11	14	90 344	136	23 79	15		2				
							STOR#	COMO	ITIONS												
ALTITUDE (1909 PT) SELDW 1	TIME (HOURS	NAUTICAL 1 MILES 95.6	PEARS 33	-35 -1	0 -25	-20	-17.5	-15	-12:5	-10 1	0157	A16UT		7.5	•10 •3	•12.5	+15	•17.5	+ 20	•25	•32 •35
1 10 2	1.03	425.3	103						-	ŀ	17	27 56	31	17	1	2 2		1			
\$ 70 to 10 fo 15 15 fo 20 20 fo 25	1.40	450.4	24 17						ı	1	1	;	15	1	ı						
25 10 36		0.	0									_									
ABOVE 35 TOTAL	6.22	1590.6	333						. 2	5	4	110	133	33	7	•		1			
		00012324	-2021			\$10	DAP PL	us w	OM-5 TO						ci .						
ALTITUDE (1000 FT) BELOW [	0.44	95.6	PEAKS 33	-35 -3	0 -25	-20	-17.5	-15	-12.5	-10 ·	7.5	-1	11	7.5	*10	1	•15	17.5	•20	•25	•32 •35
1 10 2 2 10 5 5 10 10	1.03	164.6 425.3 364.2 450.4	163						1	1	17	27 50	31 64 11	17	i	2		ı			
10 TO 15 19 TO 30 30 TO 25 25 TO 30	1.31	976.7	24							1	ŀ	11	12	1			ı				
25 TO 30 30 TO 35 480YE 35 TOTAL	20.90 26.16 79.03	0000.4 10710.3 34249.0 34009.0	226 455 207 1323				1		1	7	10	178 95 456	233 136 431	22 20 25 112	7	,	1				

							_												
					MON-ST	DRM COMBITI	ONS												
ALTITUDE (1000 PT) 80LOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 20 TO 25 ABOVE 35 TOTAL		MAUTICAL MILES 0. 0. 0. 0. 0. 0. 130.7 194.1 1291.8 11990.9	FOTAL PEAKS  O  O  O  O  T  184	-35 -30 -	9 -20 -17.	9 -19 -12.9	-10	-7.5	1 01 01	••	67./1 •7.5	#C.1		+19	·17 <b>·5</b>	•20	•25	•33	•35
							•	•••	••			•	•						
					STOR	M COMOITION	5												
ALTITUDE (1000 PT) DELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 25 TO 30 30 TO 30 400VE 39 TOTAL		MAUTICAL MILES 21.0 20.1 110.1 100.4 81.7 0. 0. 0.	TOTAL PEAKS 7 6 10 4 1 0 0 0	-35 -30 -	9 -20 -17.	9 -19 -12.9	1		RIBUT -5 2 3 7 4 1 1	• 5	PT./S •7.5 3 2 3	ec.1 •10	*12.5 1	•15	)17.5	•20	+25	+38	• 35
					1.0														
	0.75				STORM	PLUS MON-ST													
ALTITUDE (1000 PT) 0610W L 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30 20 TO 25 70 TO 30 70 TO 30 70 TO 30		MAUTICAL WILES 21.0 20.1 110.7 100.0 01.7 97.2 134.1 1291.0 11350.5	TOTAL PEAKS 7 4 30 4 1 0 0 0 7 106 241	-35 -30 -2	9 <b>-30</b> -17.	5 -15 -12.5	-10 1 1	11 12	3		.7.5		1 1 2	•15 •	17.5	•20	•25	•33	•15

## TABLE Dies DISTRIBUTIONS OF DERIVED VENTICAL GUST VELOCITY FOR THE ROUTE DETWEEN TRAVIS AFB. CALIFORNIA AND YOROTA AB, JAPAN

						MD4-2	UMP C	UNIO I T	OH 2											
ALTITUDE (1003 FT) BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 2. 20 TO 25 25 TO 30 30 TO 35 ANOVE 35 TOTAL		##UTICAL ##ILES 0. 0. 0. 642-5 793-2 4572-2 26618-9 29273-4 03897-2	TOTAL PCARS 0 0 1 2 1 6 4 4 5 5 1055	-15 -30	-25 -	20 -17: !	1	1					11 34 40 85		*12.5	•15	+17.5 i	+20	+25	*30 *3
						STOR	# CD4	01 T 10N	S											
ALTITUDE (10CC FT) RELOW 1 1 TO 2 2 TO 5 5 TO 1 10 TO 15 15 TO 2 2 TO 25 25 TO 3 30 TO 3 30 TO 3		TAUTICAL 1 MILES 91.2 91.2 91.2 91.2 97.7 96.6 97.9 97.9	FOTAL- PEARS 112 134 95 109 23 0	-35 -36	-25 -	20 -17. 1 1		-12.9 3 2 2		-7.5 19 21 15 12	20 27 6		+7.5 26 31 13 20		*12.5 3 2 2 2 2	+15 1		•20	•25	*33 *39
ABOVE 35 TOTAL	3.67	1647.9	482			ı ı	1	•	19	45	110	142	••	34	•	ı	2			
						STORM	PLUS I	NON-51	OAM											
ALTITUDE 1103C FT3 8ELDW 1 1 TO 2 2 TO 5 5 TO 10 15 TO 15 15 TO 23 20 TO 25	6.62 5.62 5.69 1.16 1.71 1.37 1.90 2.15		TOTAL PEAKS 112 136 95 109 23	-35 -37	-25 -2	10 -17.		-12.5 5 2 2	-10 3 7 3 3	DIST -7.5 19 21 19 12	7 ( OUT -9 76 29 20 27 6 2		FT./S •7.5 26 31 17 20 1		+12.5 3 2 2 2	•15 1	•17.5 1	•29	•25	•33 •35
25 TO 33 30 TO 35 ABOVE 35 TOTAL	11.66 68.54 7C.11 159.99	4622.1 29354.9 32921.3 67797.6	160 433 450 1537			1 2	1 1 3	13	10	17 26 47 155	67 165 147 489	50 184 275 586	11 34 40 173	3 6 12 55	3 3 1 16	1	1			
ALTITUDE (1000 FT) BELOW 1 1 FU 2 2 FG 5	FIRE (HOURS C.	MAUTICAL HILES J. J.	TCTAL PEAKS C	-35 -37		#1N NON-ST	AND TA AB FOR TI TER SI	, JAPA NE EASON DND IT I	N ONS UNE				FT./SI •7.5		•17.5	•15	•17.5	•20	•25	•32 •35
5 10 15 10 TO 15 15 TO 25 20 TO 25 25 TO 34 30 TO 35 ABOVE 35 TOTAL	0. 0.21 0.24 9.35 3.14 1.07	3. 76.3 94.3 3663.4 1416.5 748.7 5996.0	148			1	1	1	•	16	••	43	11	2	3					
ALTITUDE	TIME	VAUTICAL	TOTAL			\$ TOR	M CONC	11104		0151		10m 4	FT./56	· C - 1						
11000 FFF MBLOW 1 1 TO 2 2 TO 5 10 1. 10 TO 15 15 TO 20 20 TO 25 25 TO 30 TO 35 TO 3	(HOURS 6.16 6.16 (.13 35 17 (	1 MILES 9.6 25.5 28.6 83.6 59.9 	#14KS 14 19 17 0 1	-35 -32 -	-25 -2	16 -17.	5 -19	-17.5	-10	-7.5 l l	-9				1	1	•17.5	•23	•25	+32 +35
FOTAL	4.71	1647.9	94					3		4	17	23	,	2	1	ı				
						STORM	PLUS N	104-ST												
ALTITUDE (3893 FT) 461.0w 1 1 10 2 2 70 5 3 10 15 16 78 15 15 70 25 25 70 32		**AUTICAL **RILES **P.4 25.5 28.4 83.4 59.9 76.3 94.8 3662.4	TUTAL PEARS 14 17 2 1 1 0 0	-39 -33 -	25 -2	0 -17.º	5 -19	-12.5	-10	0157	-5 -5 -9 -2		FT./SE F7.9 1 1		1	•15 1	•17.5	•26	•25	*30 *35
30 TO 35 400VE 35 TOTAL	3.35	1511.7 2396.4 7945.4	232					٠	-			3	14		•					
							1	•	•	20	41	66	19	•	•	1				

# TABLE Disc DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETWERN TRAVIS APB, CALIFORNIA AND VONDTA AB, JAPAN FOR THE SPRING SEASON

				NON-ST	DAM COM01	TIONS									
ALTITUDE (1005 FF) 0FLOW 1 L TO 2 2 FO 3 5 TO 10 10 TO 19 10 TO 29 20 TO 29 20 TO 29 20 TO 29 20 TO 29 20 TO 29 20 TO 29	TIME NAUTICA (NOUMS) NICE J. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		9 -26 -17.	5 -15 -12					7		9 +1 <b>9</b>	•17.5 •2	*9 - +25	*33 *35
				STOR	1 110403	DNS									
ALTITUDE (1000 PT) 00LOW 1 1 TO 2 2 TO 3 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35 400 E 35 400 E 35 400 E 35	TIME VAUTICA (MOURS) MILES (MOURS) MILES (MOURS) MILES (MOURS) MILES (MOURS) MOURS (MOURS) MILES (MO	PEARS 6 3 4 6 9 25 2 25 7 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-39 -33 -2	5 -2C -17.	1	.5 -10 1 1 2	-7.9	ra (aut -5 4 2	10% (F	7.75EC 7.5 ° 2 2 4 4		9 •19	•17.5 •8	• •25	*12 *15
				STORM F	LUS MON-	TORM									
ALTITUDE 11000 FT1 BELOW I 1 TO 2 2 TO 5 5 TO 10 16 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35 ABOVE 35 TOTAL	TIME VAUTICA (MOURS) MILES C. 3 S. G. G. 3 S.	PEAKS 6 3 4 6 9 29 2 29 7 3 5 0 1 0 6 12 4 101 6 407	-35 -36 -2	9 -20 -17.1	1 1	.5 -10 1 2 1		**************************************	10m (F	7 30 1		• •15	•17.5 •2	2 •29	•30 •35
86LOw 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 26 20 TO 25	TIME VAUTICA (HOURS) MILES (. ). (. ). (. ). (. ). (. ). (. ). (. ).	PEAKS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		DNS OF DERIV FOR THE TRAVES OF VINCOS	MOUTE BE AFB, CALII AMO TA AB, JAI FOR THE FER SEASOI DAM COMOII	CAL GUI FURRIA FORNIA FAN TIONS		a i sut	ION 1F	1./5EC. 7.5 •	i • • 12. ·	s •15 ·	•17. <b>5</b> •2	•25	•32 •35
25 TO 33 30 TO 35 ABOVE 35	0.25 104. 9.70 4307. 11.41 3054.	• 137 3 13			1	ĩ	10	39	34	1	2 1		1		
TOTAL	21.95 9686.	• 123		¢ 7 00 m	: ::::::::::::::::::::::::::::::::::::	-	11	44	40	17	• 1		1		
ALTITUDE (1838 FT)	TIME VAUTICA		-35 -30 -2	5 -20 -17.5		UDE	0157	R I BUT	104 IF	1./ <b>S</b> EC.		14	17-4 42	.,4	•10 • 35
8ELOW 1 1 TO 2 2 TO 5 5 TO 1: 10 TO 15 10 TO 25 20 TO 25 25 TO 35 480VE 35 TOTAL	15 7. 107 12. 118 16. 123 65. 123 79. 0	1 24 1 24 6 18 9 0 1 2 3 0 0				1	•	12	15	2 5 1	• 2				
				STORM P	LUS <b>NO</b> N-1	TONH									
ALTITUDE (1808 PT) BELOW 1	C.09 7.	PEARS	-15 -10 -2	9 -20 -17.9	-15 -12.	9 -10	-7.5	-5 -5	10%	2	9 -12.5	+19 •	17.5 +20	+25	•17 •35
1 70 2 2 70 9 5 70 13 16 70 15	0.10 12.	• 10				1	•	2	7	i	3 1				
19 TO 25 20 TO 25 25 TO 30 30 TO 35 400VE 35	0.23						10	?	14		<u> </u>				

# TABLE DISC DISTRIBUTIONS OF DERIVES VERTICAL SUST VELOCITY FOR THE ROUTE DETWEEN TRAVES APD, CALFFORNIA AND VOROTA AB, JAPAN FOR THE AUTURN SEASON

## NON-STORM CONDITIONS

ALTITUDE (1900 FT) BELOW 1 L TO 2	TIME (HOURS)	VAUTICAL MILES 3.	TOTAL PEARS	-35	-30	-25	-20	-17.5	-15	-12.5	-10	-7.5	-5	* 5	•7.5	₩C.1 •10	+12.5	•15	+17.5	20 .	•25	*30 *35
2 70 5 5 70 10 10 70 15 15 70 25	0. 6. 1.10	9. 3. 9.											t	1								
ABOVE 35	1.37 1.46 51.53 30.60	323.9 699.9 21000.2 16900.6	221 35 244						1		•	11 2 13	92 15	94 17	11 1 12	3						
								STORM	CONC	11 TON:												
ALTITUDE (1000 FT) BELOW 1 1 TO 2 2 TO 5	11ME (HOURS) C.48 5.42 0.78	70.6 69.6 164.7	TOTAL PEARS 83 87 43	-15	-30	-25	-20	-17.5	-15	-12.5 2 2	-10 3 5	14	14 18	10	•7.5 21 23	*10	1	+15	1	20	25	•3> •35
9 TO 15 10 TO 15 19 TO 23 20 TO 25 25 TO 36	1.09 3.02 6.11 0.10	30.6 37.5	84 17 0				1	1		1	1	10	25	24	16	2	1					
BO TO BS ABOVE BS TOTAL	1.50	1647.9	310				ı	ı		•	13	48	2 77	1 62	63	21	,		2			
							\$ 1	08 P P	LUS	104-51	DR M											
ALTITU06	TIME	HAUTICAL	TOTAL								UDE	0157	4 L BU 1	ION I	FT./S	EC.)						
(LOOD FT) BELOW 1			PEARS	-35	-30	-25	- 50	-17.5	-15	-12.5	-10	-7.5	-5	16	+7.5	*10	*12.5	+15	.17.5	50 .	25	•32 •35
1 TO 2 2 TO 5 5 TO 13 10 TO 15	J. 42 J. 70 L.09 C.02	69.6 164.7 160.0 272.1	97 43 84 17				1	1		1	2	14	13 25	14	23 2 16	3	1		1			
15 TO 25 26 TO 25 25 TO 35	1.47	415.8 343.4 749.8											1	7								
30 TO 35	53.03 30.00 99.99	22453.1 16966.6 42667.3	35				ı	1	1	1	19	11 2 51	15	17 200	11 1 75	3 24	7		2			

# TABLE DIOS OISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN TRAVIS AFA, CALIFORNIA AND YOROTA AB, JAPAN FOR THE MONTH OF JANUARY

						101	STOR	C0481	11045													
ALTITUDE (1000 FT) DELOW 1 1 TO 2 2 TO 3 5 TO 16 15 TO 23 23 TO 23 23 TO 33 ABOVE 33 TOTAL	TIME (HOURS) 3. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 3. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	740 TICAL MILES 3. 9. 3. 3. 9 29. 7 40. 6 1416. 9 748. 7 2292. 9	PEARS	-35 -33	-15	-20 -1	17.5	-19 -11	r.9 -1	DE D:	1 STA . S	-5	IDN 11	77./5 17.5	*10	*12.5	•15	•17.	\$ +2>	•25	•10 •15	
						51	ORM (	01011	ONS													
ALTITUDE 1100C PT1 98LOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 22 20 TO 25 25 TO 30 30 TO 35 ABOVE 35 TOTAL	T198 (MGURS) C-02 20 U-07 U-07 U-07 U-07 U-07 U-07 U-07 U-0	MAUTICAL MILES 3.4 13.5 14.5 22.7 3. 22.7 3. 0. 95.2 1447.0 1818.5	TOTAL PEAKS 14 16 17 9 1	-39 -36	-25	-20 -1	17.5	-19 -11	1.5 -1 3	• -7.	3 3	-5 -5 -9 -2 -1	10N 11 +5 +6 -7 -9		1	*12.5 1	1	•17.	s •20	•25	•12 •35	
						5100		/S NON-	5 TOR H	i												
ALTITUDE (1000 PT) 08LGu 1 1 TO 2 2 TO 3 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35	0.22 0.26 0.37 0.07 0.07 0.07 0.09 0.19	3.4 13.5 14.5 21.4 22.7 33.9 29.7 63.6 1511.7	TOTAL PEARS 14 19 17 0	-35 -10	-25	-20 -1			U	06 D		1807 ( -5 -5 -7 -2	7			•12.5 I	•15 I	•17.	• • • • • • • • • • • • • • • • • • • •	•25	•32 •35	
11000 PT) 001.00 1 1 70 2 2 70 5 5 70 10 10 70 15 15 70 20 20 70 25 25 70 70	(HOURS) 0.22 0.36 0.37 0.07 0.07 3.39 0.07 0.19	MILES 3.4 13.5 14.5 21.7 22.7 33.0 20.7	25 AGE 14 10	-35 -30	-25	-20 -1	7.5		1	⊕¯-7;	2	1	7	7.9	1		ı		5 -71	•#	•32 •31	•

# TABLE Dieg DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN TRAVIS AFB. CALIFORNIA AND VORDTA AN, JAPAN FOR THE MONTH OF MARCH

2074 - 20746						-STORM (		45											
ALTITUDE (1000 FT) BELOW L 1 TO 2 2 TO 5 5 TO 10 16 TO 12 20 TO 25 25 TO 30 36 TO 35 ABOVE 35 TDTAL	TIME NAUTICAL IMOURS IN MILES C. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	PEAKS 2 2 3 9 9 9 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1	-35 -37	-25	-20 -	17.5 -19	5 -12.9		-7.5 1 5		6 55 181 242			111	•19	•17.9	•20	•25	•32 •35
					\$ 1	TORM COM	1017104	\$											
ALTITUDE	TIME VAUTICAL (HOURS) MILES	PEAKS	-14 -10	- 74	- 20 -	2.6.41		UDE	0157	RIBUT	ION (	FT-/8	tc.1	.12.0		417.8	420		+>> +35
SELOW 1 1 TO 2 2 TO 3 5 TO 15 10 TO 15 10 TO 2 25 TO 2 25 TO 3 30 TO 35 ABOVE 35 TOTAL	0.33 3.6 0.32 3.0 0.35 14.1 0.36 16.7 0.59 31.3 0. 3. 0. 5. 0. 5.	3 5 16 6 0 0 0 0	-3, -30	-4,	- 19 -	.,,,	-111.7	-••	,	3	12	2 2 3 1	1 2	1					
					**0	M PLUS	MOM - 6 T												
ALTITUDE	TIME VAUTICAL	TOTAL			310	P PLUS	HUM-31		0147		10N (I		46.1						
	(HOURS) MILES	PLAKS	-35 -36	-25	-26 -1	7.5 -15	-12.5							•12.5	•15	•17.9	• 20	•25	*33 *35
1 10 2	U. 32 3.0 J. 35 14.1	5							1	,	į	2	1						
5 TO 1. 10 TO 15	0.39 31.3	0									•	1	2	1					
15 TO 20 20 TO 25	C-12 40.5	U								_									
25 TO 32 30 TO 35 400VE 35	2.18 77.2 2.35 1042.4 12.49 5572.2	131 434						l 5	•	32 127	55	7	10	1					
TOTAL	19.51 6052.6							•	**	145	254	53	19	ż					
			DISTREM	UT E FINS	FOR T	TABLE RIVED V HE ROUT	E BETW	EFN	T VEL	0C   TY									
BELOW 1 1 TO 2 2 TO 7 5 TO 15 10 TO 15 15 TO 25 20 TO 25 25 TO 30 35 TO 35	TIME VAUTICAL (MODAS) RILES C	PFARS	-35 -3C		OF DE FOR T TRAVE YOU MON-	REVED V ME ROUT S AFB, AND MOTA AB FOR T ITH OF	ERTICAL E BETWI CALIFO , JAPAN ME APRIL	EFN RMEA N DMS UDE	DIST	a t Bu T -5	ION (F			•12.5	•15	•17.5	•30	•25	•32 •35
(1000 FT) BELOW 1 1 TO 2 2 TO 4 5 TO 13 10 TO 15 15 TO 27 20 TO 25 25 TO 30	1HQURS1 MILES C. 2. C. 2	PFARS			OF DE FOR T TRAVE YOU MON-	REVED V ME ROUT S AFB, AND MOTA AB FOR T ITH OF	ERTICAL E BETWI CALIFO , JAPAN ME APRIL	EFN RMEA N DMS UDE	DIST	a ( eu t	ION (F			•12.5	•15	•17.5	•30	+29	*33 *35
\$1000 FT1 \$ELOW 1 1 TO 2 2 TO 4 5 TO 13 10 TO 15 10 TO 27 20 TO 29 25 TO 30 36 TO 35 ABOVE 35	1 HOURS   MILES   2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	PFARS			OF DEFORT TRAVE	REVED V ME ROUT S AFB, AND MOTA AB FOR T ITH OF	PRTICAL E BETWIC CALIFO JAPAN HE APRIL GMOITH	PFN RVIA N DNS UDE -10	DIST	n ( ou t -5	10n (F +5 4			•12.5	•19	•17.5	*20	•25	•33 •35
1000 FT   1000 F	######################################	PFARS		-25	OF DEFORT TRAVE	RIVED V ME ROUT S AFB. AND MOTA AB FOR TITH OF STORM C	PRTICAL E SETWIC CALIFOR CALIFOR CALIFOR CALIFOR CALIFOR CALIFOR CALIFORNIA CONTINUE CALIFORNIA CAL	PPN RVIA N N LIDE -10.	DIST:	R EBUT	10N (F	1./5	•10						*32 *35
11030 FT1  8ELOW 1  1 TO 2  2 TO 4  3 TO 1  10 TO 12  20 TO 22  20 TO 25  20 TO 25  20 TO 35  ABOVE 35  TOTAL  ALTITUDE  (150_L FI)  8ELOW 1  1 TO 2	######################################	PFARS  O O O O O O O O O O O O O O O O O O O	-35 -36	-25	OF DEFORT TRAVE	RIVED V ME ROUT S AFB. AND MOTA AB FOR TITH OF STORM C	PRTICAL E SETWIC CALIFOR CALIFOR CALIFOR CALIFOR CALIFOR CALIFOR CALIFORNIA CONTINUE CALIFORNIA CAL	PPN RVIA N N LIDE -10.	DIST: -7.5 -7.5 -7.5	1 1 1 1 -5	1 l l l l l l l l l l l l l l l l l l l	7.5	•10						
41 11 1 1 0 2 2 1 0 3 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	######################################	PFARS  O O O O O O O O O O O O O O O O O O O	-35 -36	-25	OF DEFORT TRAVE	RIVED V ME ROUT S AFB. AND MOTA AB FOR TITH OF STORM C	PRTICALE BETWING ALIFOL APRIL	PPN RVIA N N DOWS -18 -18 -18 -18 -18 -18 -18 -18 -18 -18	DIST:	R EBUT	10N (F	1./5	•10						
ALTITUDE  ALTITU	TIME VAUTICAL IMOURS)	PEARS TOTAL PEARS	-35 -36	-25	OF DEFORT TRAVE	RIVED VM ROUTS APRO- APRO- MOTA AB TO A TO THE OF T	PRTICALE BETWING ALIFOL APRIL	PPN RVIA	DIST:-7.5	1 1 1 1 -5	1 l l l l l l l l l l l l l l l l l l l	7.5	•10 •10						
ALTITUDE  ALTITU	TIME YAUFICAL IMOURS) RILES U 2.44.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.32 4.40.0 10.3	PFARS  O O O O O O O O O O O O O O O O O O O	-35 -36	-25	OF DEFORT TRAVE	RIVED VM ROUTS APRO- APRO- MOTA AB TO A TO THE OF T	PRTICALE BETWING ALIFOL APRIL	PPN RVIA	DIST:-7.5	1 1 1 1 -5	1 l l l l l l l l l l l l l l l l l l l	7.5	•10 •10						
ALTITUDE (18-4)  ALTITU	TIME VAUTICAL (MOURS) MILES U 2.44 0.23 1013.2 0.24 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	PFARS  D D D D D D D D D D D D D D D D D D	-35 -36	-25	OF DEFORT TRAVE	RIVED VM ROUTS APRO- APRO- MOTA AB TO A TO THE OF T	RETICAL E BETWEEN CALIFOR JAPAN ME APRIL ONOITH -12.5	PPN RVIA	DIST:-7.5	1 1 1 1 -5	1 l l l l l l l l l l l l l l l l l l l	7.5	•10 •10						
ALTITUDE (10 TO 2) 20 TO 2) 30 TO 1) 10 TO 1) 10 TO 1) 10 TO 1) 10 TO 2) 20 TO 2) 20 TO 2) 20 TO 2) 21 TO 30 30 TO 35  ABOVE 35 TOTAL  ALTITUDE (110-4) 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-4 110-	TIME VAULUE LINGUIST MILES U	PFARS  O D  O D  C C C C C C C C C C C C C C C C C C	-35 -36	-25	F DR T TRAVI	RIVED V ME ROUTS AFB. AFB. AND MOTA AB FOR T THO P STORM C 7.5 -15	erticale actions of the control of t	PPN RVIA	DIST(-7.5)	# 1 BUT:	1 I I I I I I I I I I I I I I I I I I I	7./5 7./5 3 3	*10						
ALTITUDE	TIME VAUFICAL	PFARS  O O O O O O O O O O O O O O O O O O O	-35 -36	-25	OF DE FOR T TRAVI	RIVED V ME ROUT S 4F8. AF8. MOTA AB POR T THO OP STORM C 7.5 -15	erticale actions of the control of t	EFM RYLA NO DONS LIDE -10	0157-7-5	1 1 1 2 2 3 3 ALISUT!	10N (F) +5 +6 +6 +2 10N (F) 10	7./54	*10 2 2	+12.5	+15	•17.5	•10	•25	•12 •35
ALTITUDE (1996 PT)	TIME VAUTICAL IMPURS 10-12 33-2  TIME VAUTICAL IMPURS 10-12 33-2  TIME VAUTICAL IMPURS 10-12 30-2	PFARS  O O O O O O O O O O O O O O O O O O O	-35 -36	-25	OF DE FOR T TRAVI	RIVED V ME ROUT S 4F8. AF8. MOTA AB POR T THO OP STORM C 7.5 -15	erticale actions of the control of t	PFN RY IA	0157-7-5	1 1 1 2 2 3 3 ALISUT!	10N (F) +5 +6 +6 +2 10N (F) 10	7./54	*10 2 2	+12.5	+15	•17.5	•10	•25	
ALTITUDE (1006 PT)  8ELOW 1 1 TO 2 2 TO 4 5 TO 1) 10 TO 1) 10 TO 2) 20 TO 2) 20 TO 2) 20 TO 2) 20 TO 2 20 TO 2 21 TO 3 32 TO 3 35 TO 3 36 TO 3 36 TO 3 37 TO 3 37 TO 3 37 TO 3 38 TO 3	TIME VAUTICAL IMBURS 1 PLES 10-32 C-12 SB-2 SB-2 C-12 SB	PFARS  O D D D D D D D D D D D D D D D D D D	-35 -36	-25	OF DE PORT TRAVI	RIVED V ME ROUT S 4F8. AF8. MOTA AB POR T THO OP STORM C 7.5 -15	erticale action of the control of th	EFM RYLA NO DONS LIDE -10	0157-7-5	1 1 1 2 2 3 3 ALISUT!	10N (F) +5 +6 +6 +2 10N (F) 10	7./54	*10 2 2	+12.5	+15	•17.5	•10	•25	•12 •35
ALTITUDE (1896 PT)  BELOW 1  1 TO 2  2 TO 2  2 TO 2  20 TO 3  20 TO 3  20 TO 4  ALTITUDE (1806 PT)  BELOW 1  1 TO 1  2 TO 3  3 TO 1  1 TO 2  2 TO 3	TIME VAUTICAL (MOURS) MILES  U. J.	PFARS  O D D D D D D D D D D D D D D D D D D	-35 -36	-25	OF DE PORT TRAVI	RIVED VME ROUTS APROMED TO A PROMED TO A P	erticale action of the control of th	## UDE -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	DIST:-7.5	arout -5 l 1 1 2	ION (F)	7./54 7.5 3 3 4	2 2 2	+12.5	+15	•17.5	•10	•25	•12 •35
ALTITUDE (1000 FT)  RELOW 1  1 TO 2  2 TO 2  3 TO 1)  10 TO 1>  15 TO 2  26 TO 2  27 TO 2  28 TO 30  35 TO 30  36 TO 35  ABOVE 35  TOTAL  ALTITUDE (110 TO 1)  1 TO 2  2 TO 3  3 TO 10  10 TO 1  15 TO 2  24 TO 25  35 TO 30  36 TO 35  ABOVE 35  TOTAL	TIME VAUTICAL (MOURS) MILES U	PFARS  O D D D D D D D D D D D D D D D D D D	-35 -36	-25	OF DE PORT TRAVI	RIVED VME ROUTS APROMED TO A PROMED TO A P	erticale action of the control of th	## UDE -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	DIST:-7.5	arout -5 l 1 1 2	ION (F)	7./54 7.5 3 3 4	2 2 2	+12.5	+15	•17.5	•10	•25	•12 •35
ALTITUDE (1800 PT)  RELWY 1 1 TO 2 2 TO 9 5 TO 1) 10 TO 1) 13 TO 2) 23 TO 30 35 TO 33 ABOVE 35 TOTAL  ALTITUDE (110-2 TO 2) 24 TO 20 25 TO 20 27 TO 30 37 TO 10 10 TO 10 10 TO 10 10 TO 20 24 TO 20 25 TO 20 26 TO 20 27 TO 30 37 TOTAL	TIME YAUTICAL IMBURS 1 10.3 10.3 10.3 10.3 10.3 10.3 10.3 10	PFARS  O D D D D D D D D D D D D D D D D D D	-35 -36	-25	OF DE PORT TRAVI	RIVED VME ROUTS APROMED TO A PROMED TO A P	erticale actions of the control of t	## UDE -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	DIST:-7.5	arout -5 l 1 1 2	10M (F + 5 + 6 + 2 + 6 + 6 + 2	7./54 7.5 3 3 4	2 2 2	+12.5	+15	•17.5	•10	•25	•12 •25

# TABLE DIGE DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETULEN TRAVIS AFF. CALIFORNIA AND VONCTA AS. JAPAN FOR THE MORTH OF JAME

20 TO 25 0.15 0 25 TO 30 0.12 1 30 TO 35 7.10 314		9 -20 -17.5 -19 -12.5		1 2 39 34 4 2		1	+17.5 +20	*25 *10 *35
TOTAL 12.90 574	M-1 121	2	3 11	44 18	17 •	1	1	
		STORM CONDITIONS						
ALTITUDE TIME MAUTE (1000 FT) (HOURS) MIL BELOW 1 0.02		· -20 -17.5 -15 -12.5	-16 -7.5	-5 +5		•12.5 •15	•17.5 •20	-79 +30 +39
1 TO 2 0.02 2 TO 5 0.04 1	4.3 4 3.C 10		1	; ;	; ;	1		
10 10 15 0.12 4	0.6 6 4.1 2 0. 0			2				
20 TO 25 0. 25 TO 30 0.	٥. °							
ABOVE 35 0.	0. 0 0. 0 5.5 24		2	4 12	2 1			
10176				• 12	2 )	1		
ALTITUDE TIME MAUTI	CAL TOTAL	STORM PLUS NON-STO		18UT104 (#	T./\$EC.1			
FLOW 1 0.02	F5 PEAKS -35 -30 -2	-20 -17.5 -15 -12.5	-10 -7.5	-5 -5 -	1 2	•17.5 •15	+17.9 +20	*25 **0 *15
2 10 5 0.04 1	4.3 6 3.0 10 0.6 0		i	1 :	1 1	ι		
10 TO 15 0.12 4	4.1 2 7.0 I			1 2				
20 TG 25 C.15 6 25 TG 10 G.12 5 36 TG 35 T.19 319	0.9 2 0.7 n 17.5 137	,	2 10	39 34	16 7	1	ı	
101AL 13-17 500	6.0 II I.4 149	2	5 11	4 2	1 2	2	1	
1 70 2 2 70 5 5 70 10 1 70 15 15 70 25 20 7 20 70 25 3 5	CAL TOTAL LS PEAKS -35 -30 -2 J. J	INS OF DERIVED VERTICAL FOR THE ROUTE BEYENG TRAVES AFB. CALIFOR AND YORIGIA AB. JAPAN FOR THE MONTH OF AUGUST NON-STORM COMOLITIO	EN NEA '''''''''''''''''''''''''''''''''	IBUTION IF	:T./SEC.) :T.5 *10	+12.5 +15	•17.5 •2 <b>3</b>	•25 •30 •35
	•••	STORM CONDITIONS		•				
ALTITUDE TIME SAUTI			UNE DISTR	IBUTION (F	T./SFC.1			
1 10 2 5 2 10 5 J.13 2 9 10 1717 4 16 10 15 J.11 9 19 10 2, 20 10 25 J. 29 10 31 2.	4.1 6 7.8 18 3.6 0 2.9 0 5.9 0	) -2C -17.5 -15 -12.5	-10 -7.5 5	-5 •5 • 4 2 3	7.5 -10 -1 1 5 2	•12.5 •15 ·	•17.5 •20	•25 •33 •
ABOVE 3	). C ). U 1.4 24		5	4 3	. ,	1		
		STORM PLUS NON-STO	RÁ					
ALTITUDE TEME VAUTE (18.0 FF) (HOURS) MEL	CAL TOTAL ES PEAKS -35 -31 -21	-26 -17.5 -19 -12.5	UDE DISTR	IDUTION (F	1./SEC.1		17.6 426	
000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4.1 6 7.8 16 9.6 0 5.0 0 5.0 0 9.0 0 9 0 9.0 0 9.0 0 9.0 0 9.0 0 9.0 0 9.0 0 9		,	; ,	1 1 2	i		
707AL 9.54 400	4.7 26		,	. 3	6 3	1		

# TABLE DIPL DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETWERN TRAVIS AFB. CALIFORNIA AND YOROTA SE, JAPAN FOR THE ROWTH OF OCTOBER

## 100-11014 COM-111046

						NO	-110	14 60	NO 17 E	1045											
ALTITUDE (1000 PT) BELDW L 1 TO 2 5 TO 3 5 TO 13 10 TO 15	0. 0. 0. 0. 0.	MAUTICAL 1 WILES 3. 5. 6.	PEARS	-39 -9	0 -25	-10	-17.5	-10	-12.9			-5		(PT./: •7.5		•12.9	+19	•17.9	-20	•25	•12 •15
15 TO 20 26 TO 23 25 TO 36 30 TO 39 ABOVE 33 TOTAL	6.77 1.14 10.01 20.02 66.98	203.2 371.1 400.5 14 027.6 4 042.9 2.003.4	124					1	1	3	:	12	33 13	7	1	2					
							\$ TOR#	COMO	17104	6											
CLT:TUDE	TIME	VAUTICAL I MILES	PEARS	-35 -3	9 -25	- 20	-17.5	-15	-12.9	-10	-7.5	18 10V	1104	91./1 •7.5		.12.5	+15	• 17.9	-30	-25	•32 •35
86100 1 1 10 2 2 10 5	U-27	43.6	92 92 17						;	3	14	15	11	15	7	,		1			
5 70 1. 10 70 15 15 70 20 20 70 25 25 70 30 30 70 35 400V\$ 35	0.11 0.11 0.12 0.13	113.4 211.3 107.0 30.6 37.9 49.9	43 13 6 6						1	1	;	16	1	19	•	t					
TOTAL	2.04	734.3	227						9	•	34	91	50	4.	17	•		1			
						\$70	DAM P	US N	DN- 5 T												
ALTITUDE (1803 FT) DELDW 1	CHOURS	HAUTICAL HILES 99.1	PRARS	-35 -3	-25	-50 -	-17.5	-15	-12;5		-7.5	78 (801 -9 19	. 5	*7.75		-12:5	•15		• 20	+25	-12 -35
1 10 2	0.32 0.32	43.8	52 17						į	i	7	ij	11	12	;	,		1			
5 TO 10 10 TO 15	1.76	107.0	13						ı	1	2	16	1.	19	i	1					
15 TO 26 20 TO 25 25 TO 30	1.37	M1.9 400.4 930.4										•	,								
30 TO 35 400VE 35 TOTAL	38.61 26.32 63.76	14020.3	124 25 300					1	1	11	* 2	113	13	1	10	2		1			
								•	•	••	310.		••'	•	••	•		٠			
				OI ST#   1	DUTION	FOR TRAY	THE 1	OUTE PB, EI AND AB, IR THO	SETHI NL IPOP JAPAN I IPOPEN	een Inja V	7 <b>49</b> L										
ALTITUDE 11000 PT1		MANTICAL I	PEARS	-35 -30	-25	-20 -	17.5	-14	12.9					FT./54		.12.5	•15	•17.5	•23	+25	+38 +35
061.0w 1 1 70 2 2 70 5 5 70 10 10 70 15 15 70 23	6.12	5. 6. 3. 2. 111.1	0 0										•								
20 TO 25 25 TO 33 30 TO 35	0.41 3.54 13.52	194.8 219.4 9700.4	97							,	7	40	41	•	,						
400YE 39 TOTAL	10.05	8146.7 14413.6	111							,	7	**		·	,						
							TORN	COMU	TIONS	ì											
ALTITUDE	TIME	MAUTICAL I MILES	PEARS	-35 -36	-21	- 26 -	17.5	-18 -	12.5			11001		11./56		.12.4		12.4		. 24	•33 •35
1 TO 2	0.15	25.6	95							1	,	ı.	•	11	2	ı			•••	•••	• • • • • • • • • • • • • • • • • • • •
2 76 5 5 70 10 10 70 15	0.25	94.3 88.7 95.8	**			ı	1			ì	;		7	i	ı			1			
15 TO 20 26 TO 25 25 TO 30	٥.	3.										-	-		-						
30 TO 35	1.50	4								1		2	ı								
1014	2.99	100.6	•1			•				•	14	24	3.	14	•			ı			
		******				110	-	W H	5 7 0												
ALTITUDE 11000 PT1 86LOW 1	HOURS	AUTICAL BLOS	PEARS	-31 -30	-85	- 25 -	17.5	-15 -	12.5	-10 -	7.5	-5	*5	7.5	-10	11.1	•15 •	17.5	23	-25	-30 -35
1 70 2 2 70 5 9 70 13	0.15 3.25 3.33	25.6	36 24 21							i i	9		•	1	i	1		i.			
18 70 15	3.32	64.1 66.7 64.0	:			•	•			•	•	ĭ		•	k						
25 10 33	J.41 0.54 15.02	219.4	101							•	,	42	42	•	2						
39 TO 35 460VE 39 1874L	10.05	19383.2	19			1	1			•	21	72	,;	10		1		ı			

# TABLE Diem DISTRIBUTIONS OF DERIVED VERTICAL BUST VELOCITY FOR THE ROUTE SETUREN TRAVIS APP. CALIFORNIA AND VOKOTA AB. JAPAM FOR THE MONTH OF DECEMBER

		MOM-5 7 OF	** COMBITIO	MS .			
5 TO 10 O. 0 10 TO 15 O. 0	\$ PEAKS -35	-30 -25 -20 -17.5	-15 -12.5	upe 9157811	BUTION (FT./SEC. -5 •5 •7.5 •1	) 0 +12.5 +15 +17.5 +20	•25 •30 •35
25 10 30 9.20 3594	. B L46	1	1 1	• 16	43 11	2 3	
	.5 144	1	1 1	4 14	14 43 11	2 )	
ALTITUDE TIME NAUTIC 11000 FT9 (MOUAS) MILE BELOW 1 8.94 0 1 TO 2 0.00 12 2 TO 5 0.06 13 5 TO 10 0.22 6 10 TO 15 0.11 37 15 TO 20 0. 6 20 TO 25 0. 0 30 TO 25 0. 0 30 TO 25 0. 0 ABOVE 25 0. 0	5 PEARS -35		-18 -12.9		BUTION (FT./SEC. -9 +9 +7.5 el	) • •12.5 •15 •17.5 •20	•25 •33 •35
		1700m Pt	.US MON-STO	-			
ALTITUDE TIME MAUTIC (1000-PT) (MBMS) MILE SELOW 1 0.00- 12 2 TO 5 0.00 12 2 TO 5 0.00 13 5 TO 10 0.22 42 10 TO 15 U-11 37 15 TO 20 0.12 42 20 TU 25 0.17 42 20 TU 25 0.17 20 TO 25 0.2 30 TO 25 0.	S PEARS -35 · .0 0 .0 1 .9 0 .0 0 .1 0 .1 0 .1 0 .1 0 .1 0	-90 -25 -20 -17.9 1		VOC DISTRIC	NUTION (PT./SEC.) -5	) •12.5 •15 •17.5 •2 <del>0</del>	•25 •33 •33
TOTAL 10.00 3034		1	1 1	6 17 6	14 43 II I	1 3	

## TABLE Dila DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN RELLY AFB. TEXAS AND ELMENDORF AFB. ALASKA

## MON-STORM COMBITIONS

			104-516	AR COMBITE	CONS							
ALTITUDE TIME MAUTICE (1000 PT) INDUS) PILES (1000 PT) INDUS) PILES (1000 PT)	PEARS	-39 -30 -29	-20 -17.5	-15 -12.5			110M (PT +5 +7		•12.5 •	18 •17.9 •	20 -25	*18 *35
19 70 20 0.75 273. 20 70 25 0.90 366. 20 70 30 3.19 106. 30 70 30 32.00 0094. 400VE 39 47.11 21.033. 707AL 72.09 32011.	4 3 7 17 4 27 6 100			1	3	1 3 10 90 20 42	3 16 79	2 1 17 5 10 6		1 1	1 1	
			STORM	COM017104								
ALTITUDE TIME MANTICA (180C FT) (MOURS) MILES 98L/M 1 0.25 34. 1 TO 2 0.26 62. 2 TO 5 0.00 100. 5 TO 10 0.00 200. 10 TO 19 0.00 200. 10 TO 20 0. 0. 20 TO 29 0. 0. 23 TO 30 0. 3. 30 TO 35 0. 3. 480VC 35 0. 3.	PEARS 7 97 9 76 0 123 7 00 6 26 6	-35 -30 -25	-26 -17.5 1	-15 -12.5 3 2 1 3		0137416V 7.5 -5 7 4 8 10 11 26 5 32	23		•12.5 •	19 •17.9 • 1 1	20 +25	•33 •33
TOTAL 3.29 MG.			1 1	1 •	17	31 84	110	4 24	10	\$ - 1		
			57088 P	WE 1811-17								
ALTSTUDE TIME VAUTICA (1800 PT) (HOURS) HILES 08100 1 0-25 304, 1 TO 2 0-36 42, 2 TO 9 0-80 183, 3 TO 17 0-90 283, 10 TO 13 0-89 283, 15 TO 20 0-75 273,	PEAGS 7 57 9 76 8 123 7 09	-35 -37 -25	-26 -17.5 1	-19 -12.9 2 1 3	-10 -1	7.5 -3 0 10 11 20 0 12	23 30 41 13		.12.5	15 •17.5 • 1	10 +25	+32 -+35
15 TO 20 C.75 275. 20 TO 25 C.70 906. 25 TO 32 3.10 1301. 30 TO 35 30.36 906. ABOVE 35 47.11 31:33. TOTAL 76.10 5206).	7 L7 27 100		1 1	1 2 •	1			2 17 18 19 19	10	2 1 9 8	1	
		DISTRIBUTION	FOR THE PERSON PROPERTY OF SELECTION	BLE DIS 80 VERTICA MOUTE SETM AFB. TEXM AFB. AC. BR THE FR SEASON AR COMOSTIN	6 4 4 8 4 8 4 8 4 8 4 8 4 8 4 8 4 8 4 8	<b>VELOCIT</b> 1	•					
ALTITUS TIME NAMICA (1906 FT) (19045) NILES SELECT 1 0. 0. 1 TO 2 0. 0. 2 TO 5 0. 0. 10 TO 15 0. 0. 15 TO 20 0.29 72. 26 TO 20 0.40 142. 25 TO 20 0.40 143. 26 TO 25 7.36 3110. ABOVE 29 16.05 4064.	PRACS 0 0 0 7 2 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-11 -16 -21	-20 -17.5	-15 -12.5		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 11 30		•12.5 •	18 •17.5 •	• • • • • • • • • • • • • • • • • • • •	•12 •15
							11.4			-		
			100	COMOTTON	U00 0	1579.100	100 IFT.	/MC.1				
### ##################################		-15 -10 -25	1 1	1 2	-16 -1	1 3 5 7 5 0	10	5 10 5 3 7 4 7	; ; ; ;	. • 17.5 •	• • • • • • • • • • • • • • • • • • • •	•16 • 36
1014L 0.05 231.			1 1	1 5	•	13 84	44 . 1	15 0	•			
			51000 P	US 1889-57								
ALTITUD TIME MANTICA (1900 FT) (		-16 -56 -29	-80 -17.6		-10 -1	15 TRI OUT	10 10 1		•18.6 •1		• • • • • •	.11 • 21
70744 20.42 8462.			1 1	1 1	10	* "	100	10	•	1		

# TABLE Dile DISTRIBUTIONS OF BERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN RELLY APP, TERAS AND ELMENDOOF AFB, ALASKA FOR THE SPRING SEASON

NON-STORM COMBITIONS

		VAUTICAL	TOTAL						UDE	0157	RISUT	104 1	FT./5	EC.)						
BELOW L	(HOURS)	MILES 3.	PEARS	-35 -30	-52 -	-20 -17	'.5 -L!	5 -12.5	-10	-7.5	-5	• 5	• 7.5	+10	•12.5	+15	•17.5	• 20	•25	·30 ·35
1 10 2	0.	•	\$																	
5 FO 16 10 TO 15	6.	3:																		
20 10 25	0.40	145.1										_								
25 TO 33 30 TO 35	9.46	4139.5	3							_		l								
TOTAL	30.33	19190.0	24							l	14	13								
4 212104		MAUTICAL	TOTAL			310	KH (U	+D171045		DIST										
ALTITUDE (1830 FT) BELOW L	C-13	#1LE7	PEARS 20	-35 -36	-25 -	20 -17	.5 -19	-12.5			-5		7.5	+10	*12.5	+15	17.5	• 20	•25	*10 *35
1 70 2	0.47	25.5	27					·	1	3	13	1	14		1					
5 TO 10	6.50	173.2	61					•	•	ź	25	30	1	•	•					
15 TO 20 26 TO 25		· ·	0										•							
25 TO 30 30 TO 35	3.		Ü																	
ABOVE 35	1.78	467.6	176					2		14	45	42	32	12	5					
			722			STORM	PLUS	MOM-510												
	INDUASI		PEAKS	-35 -30	-25 -	20 -17	.5 -15			01511 -7.5	-5	.5	.7.5	+10		+15	17.5	-20	+25	•33 •35
1 LO 5	0.16	25.5	20 27					1	1	3	,	1	1		2					
2 TO 5		173.2	61					ı	)	2	25	30	14	•	1					
10 TO 15 15 TO 20 20 TO 25	6.43	152.1 145.1 163.3	3								•	•	ı							
25 TO 30 30 TO 35	2.57 7.48	1124.0	ś									3								
ABOVE 35	30.33	13590.6	204					2		15	14	75	32	12	•					
								-	-	••	•				-					
							ABLE													
				DESTRIBUT		FOR TH	E ROUT	E SETUE	EN	ASLO	KITY									
						- et	LY AFB	. TERAS	1											
							FOR T	FR, ALA ME	SEA											
						SU	FOR T	FR, ALA ME EASON												
AL FI TUDE	lint	'ANTICAL	TOTAL			SU	FOR T	FR, ALA ME	PriS	01578	l fort	On 18	· t./Si	ic.1						
ALTITUDE (1800 FI) BELDW 1	INCURSI		TOTAL PEAKS	-35 -30 -	·25 -	5U NON-5	PORF A FOR T MMER S TURM C	FR, ALA HE EASON ONOITIO	ms ude	DISTS					•12.5	•15 •	17.5	20 •	25	•32 •35
11000 FT1 06LDw 1 1 TO 2 2 TO 5			PFARS	-35 -30 -	-29 -	5U NON-5	PORF A FOR T MMER S TURM C	FR, ALA HE EASON ONOITIO	ms ude						•12.5	•15 •	17.5	-20 •	-25	•33 •35
11000 FT1 06L0w 1 1 TO 2 2 TO 5 5 TO 13 10 TO 15	(HOURS)	# N. ES	PEARS	-35 -30 ·	·n -	5U NON-5	PORF A FOR T MMER S TURM C	FR, ALA HE EASON ONOITIO	ms ude						•12.5	•15 •	17.5 •	·20 •	25	+33 +35
11000 FT1 0010w 1 1 TO 2 2 TO 5 5 TO 13 10 TO 15 15 TO 20 20 TO 25	(HOURS) G.	#ILES 0. 0. 20. 24.5	PFARS	-35 -30 -	·n -	5U NON-5	PORF A FOR T MMER S TURM C	FR, ALA HE EASON ONOITIO	ms ude						•12.5	•15 •	17.5 •	·20 •	-25	·33 ·35
11000 FT1 00LOW 1 1 TO 2 2 TO 5 5 TO 13 10 TO 15 15 TO 22 20 TO 25 25 TO 3C 33 TO 35	(Hauds) G. G. G. G. G. G. G. G. G. G. G. G. G.	#ILES 0. 0. 20. 24.5 26.7 35.9	PFAKS 0 0 0 0 0 0 0 0 0 0	-35 -30 ·	-25 -	5U NON-5	PORF A FOR T MMER S TURM C	FR, ALA HE EASON ONOITIO	ms ude		-1 1	,,			•12.5	•15 •	17.5	·20 •	25	+33 +35
11000 FT1 000 M 1 1 TO 2 2 TO 5 5 TO 13 10 TO 15 15 TO 25 20 TO 25 23 TO 3C	(MOURS) G.	#ILES 0. 3. 24.5 26.7 35.9	PFAKS 0 0 0 0 0 0 0	-35 -30 -	-25 -	5U NON-5	PORF A FOR T MMER S TURM C	FR, ALA HE EASON ONOITIO	ms ude		-1	•••	.7.5		•12.5	•15 •	17.5 •	-20 •	-25	•33 •35
11000 FTI 00100 L 1 TO 2 2 TO 5 5 TO 13 10 TO 15 15 TO 2- 20 TO 25 23 TO 36 33 TO 35 460VE 35	(HBURS) G.	#ILES 0. 0. 0. 0. 0. 0. 24.3 26.7 35.9 440.7 1342.1	PFAKS 0 0 0 0 0 0 0 0 0	-15 -10 -	-29 -	SU NON-5 20 -17	DORF A FOR T MMER S TURM C	FR, ALA NE EASON CHOSTIO	MS UDE -10		-1	3 3	1		•12.5	•15 •	17.5	-20	25	•33 •35
11000 FTI 00100 L 1 TO 2 2 TO 5 5 TO 13 10 TO 15 15 TO 2- 20 TO 25 23 TO 36 33 TO 35 460VE 35	1HBURS1 5. 6. 6. 7. 7. 9.37 9.38 1.32 3.34 4.27	#ILES 0. 0. 0. 0. 0. 0. 24.3 26.7 35.9 440.7 1342.1	PFAKS 0 0 0 0 0 0 0 0 0	-33 -30 -	·n -	SU NON-5 20 -17	DORF A FOR T MMER S TURM C	FR, ALA HE EASON ONOITIO	MS MDE -10		-9 ! ? 3	3	1 1	•10	•12.3	•15 •	17.5	-20 •	>25	•33 •35
(1000 FT) 684.0m t 1 TO 2 2 TO 3 5 TO 13 10 TO 15 5 TO 22 20 TO 25 25 TO 32 33 TO 35 33 TO 35 34 TO 35 48078 35 TOTAL	(HBuRS) G. G. G. G. C. V. T. G. J. G. J. G.	#ILES 0. 7. 7. 20.5 20.7 35.9 400.7 1302.1 1009.9	Pfaks 8 9 2 C 6 9 3 10	-35 , -		SU NOM-5 20 -17	DORF A FOR TO THE STURM C	FR. ALA ME EASON CNOITIO -12.5	NOE -10 -	01579	-9 ! ? 3	3 3 6	1 1	•10						•33 •35
(1000 FT) 084.0M	(HOURS) G.	# ILES 0. 0. 1. 20.5 20.7 35.9 460.7 1342.1 1009.9 ***********************************	PEAKS  D D D D D D D D D D D D D D D D D D			SU NOM-5 20 -17	DORF A FOR TO THE STURM C	FR, ALA NE EASON CMOITIC -12.5	WDE -10 -	D1579	-5 L 2 3	3 3 6	1 1 1-7.56	•10 •10	•12.5					
41000 FT1 0610W 1 1 TO 2 2 TO 5 5 TD 13 10 TD 15 15 TD 22 20 TO 25 25 TO 35 25 TO 35 25 TO 35 30 TO 35 400VE 35 TOTAL  ALTITUDE 11 TO 2 2 TO 5 3 TO 13 1 TO 2 3 TO 3 1 TO	11me Hours) 1.5. 6. 6. 7.37 3.38 1.32 3.34 4.27	# ILES 0. 7. 3. 24.7 35.9 440.7 1362.1 1809.9 **AUTICAL # ILES 2.5 2.5 2.5 13.0 11.0	PEAKS  D D D D D D D D D D D D D D D D D D			SU NOM-5 20 -17	DORF A FOR TO THE STURM C	FR, ALA NE EASON CMOITIC -12.5	WDE -10 -	01579 7.5 1	-5 1 0011	3 3 6	1 1 1-7-56	•10 •10	•12.5					
41000 FT1 0610W 1 1 TO 2 2 TO 5 5 TD 13 10 TD 15 15 TD 22 20 TO 25 25 TO 3C 30 TO 25 25 TO 3C 30 TO 35 ABOVE 35 TOTAL  ALTITUDE (100C FT) 0610W 1 1 TO 2 2 TO 3 3 TO 15 15 TO 23 20 TO 25 3 TO 25	TIME (HOURS) 9-38 1-32 3-34 4-27  TIME (HOURS) 9-32 9-34 4-35 6-35 6-35 6-35 6-35	##LES	PEARS  D D D D D D D D D D D D D D D D D D			SU NOM-5 20 -17	DORF A FOR TO THE STURM C	FR, ALA NE EASON CMOITIC -12.5	WDE -10 -	01579 7.5 1	-5 1 0011	3 3 6	1 1 1-7-56	•10 •10	•12.5					
41000 FT1 0810W 1 1 TO 2 2 TO 5 5 TO 13 10 TO 15 15 TO 22 20 TO 25 25 TO 3C 30 TO 25 25 TO 3C 30 TO 35 400VE 35 TOTAL  ALTITUDE 1180C FT1 0810W 1 2 TO 3 3 TO 3	TIME HOURS: 8-27	# ILES	PEARS  TOTAL PEARS  10  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			SU NOM-5 20 -17	DORF A FOR TO THE STURM C	FR, ALA NE EASON CMOITIC -12.5	WDE -10 -	01579 7.5 1	-5 1 0011	3 3 6	1 1 1-7-56	•10 •10	•12.5					
41000 FT1 0810m 1 1 TO 2 2 TO 2 3 TO 13 10 TO 15 15 TO 2 20 TO 25 25 TO 3C 33 TO 3C 34 TO 3C 34 TO 3C 480VE 35 TOTAL  ALTITUDE 1180C FT1 0810m 1 10 2 2 TO 35 3 TO 10 10 TO 15 15 TO 23 20 TO 25 25 TO 3C	Time (HOURS) 9-01 0-3-3-3-5-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6	# ILES  0	PEAKS  D D D D D D D D D D D D D D D D D D			SU NOM-5 20 -17	DORF A FOR TO THE STURM C	FR, ALA NE EASON CMOITIC -12.5	WDE -10 -	01579 7.5 1	-5 1 0011	3 3 6	1 1 1-7-56	•10 •10	•12.5					
ALTITUDE (1806 FT) 8 10 12 2 10 10 10 10 10 10 10 10 10 10 10 10 10	######################################	# ILES  0.  2.  24.5  24.5  25.7  35.90  400.7  1302.1  1009.9  *AUTICAL  # ILES  2.5  0.0  1.0  1.0  1.0  1.0  1.0  1.0  1	PEARS  D D D D D D D D D D D D D D D D D D			\$40 NON-\$ 20 -17 \$700 -17	DORF IN FOR THE CONTRACT CONTR	FR. ALA ME EASON ONO 1110 -12.5 DATEONS -12.5	upe -10 -	D1579 7.5 1	-5 2 3 3	3 3 6 000 tr	1 1 1.7./sg 7.5 2 1 2	*10 *10 *10 *10	•12.5					
ALTITUDE (1000 FT)  0000M  1 100 2  2 10 2  3 10 2  3 10 10  10 10 12  30 10 25  30 10 35  30 10 35  30 10 35  30 10 35  30 10 35  4000E 35  TOTAL  ALTITUDE (100C FT)  1 10 2  2 10 3  3 10 15  10 10 15  10 10 15  10 10 15  10 10 15  10 10 25  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 10 35  10 35  10 35  10 35  10 35  10 35  10 35  10 35  10 35  10 35  10	######################################	# ILES  # 24.5  24.5  24.5  24.7  35.9  400.7  1562.1  1009.9  **AUTICAL  # ILES  2.5  0.9  12.0  11.4  0.0  36.1	PEARS  TOTAL  TOTAL  TOTAL	-35 , -	-25 -	\$40 -17 \$700 -17 \$700 -17 \$100 -17	DORF IN FOR THE PLUS I	FR. ALA  ME EASON  ONOITIO  -12.5  DITTORS  -12.5	ude -10 -	DISTR 7.5 1 1	-5   1   2   3   3   1   1   1   1   1   1   1   1	3 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 1 1.7.5 2 1 2	*10 C.1	2	•15 •	17.9 •	· 20 •	25 (	•33 •35
ALTITUDE (1000 FT)  0000M  1 100 2  2 10 2  3 10 2  3 10 13  10 70 13  10 70 2  20 70 22  20 70 25  23 10 36  33 10 36  33 10 35  4000E 35  TOTAL  ALTITUDE (1006 FT)  10 70 23  20 10 35  10 70 23  20 10 35  10 70 23  20 10 35  TOTAL	TIME (HOURS) 0.30 1.32 3.36 4.27  TIME (HOURS) 0.01 0.33 0.35 0.35 0.35 0.35 0.35 0.35 0.35	# ILES # # # # # # # # # # # # # # # # # # #	PEARS  OD  DD  DD  DD  CO  CO  CO  CO  CO  CO		-25 -	\$40 -17 \$700 -17 \$700 -17 \$100 -17	DORF IN FOR THE PLUS I	FR. ALE ME EASON ONOITION -12.5 DITIONS -12.5	upe -10 -	DISTR 7.5 1 1	1 2 3 3 (c) (a) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	3 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 1 1 7.5 2 1 2 2 2 7.5 7.5 7.5	*10 C.1	2	•15 •	17.9 •	· 20 •	25 (	
ALTITUDE (100 FT)  000 M  1 10 2  2 10 3  3 10 13  10 70 13  10 70 13  10 70 23  20 70 25  23 10 36  33 10 35  33 10 35  34 10 35  400 E 35  TOTAL  ALTITUDE (100 FT)  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13  10 70 13	TIME (HOURS)  7	# ILES # # # # # # # # # # # # # # # # # # #	PEARS  O  D  D  D  D  C  C  C  D  D  TOTAL  PEARS  10  O  O  D  Z  TOTAL  PEARS  11  10  11  11  11  11	-35 , -	-25 -	\$40 -17 \$700 -17 \$700 -17 \$100 -17	DORF IN FOR THE PLUS I	FR. ALA  ME EASON  ONO (TTO  -12.5  DISTIGNS  -12.5  L  MEM-STO  -12.5	upt -10 -	015TR 7.5 1	-5   1   2   3   3   1   1   1   1   1   1   1   1	3 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 1 1 7.55 2 - 1 2 - 2	*10 *10 *10 *10 *10 *10 *10 *10 *10 *10	2	•15 •	17.9 •	· 20 •	25 (	•33 •35
ALTITUDE (100 FT)  1 10 2  2 10 3  3 10 13  10 10 13  10 10 2  20 10 2  20 10 2  20 10 2  20 10 2  20 10 2  30 10 35  30 10 35  30 10 35  30 10 35  4000E 35  TOTAL  ALTITUDE (100C FT)  1 10 2  2 10 3  3 10 35  40 12  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13	TIME (HOURS)  7	# ILES # # # # # # # # # # # # # # # # # # #	PEARS  O  D  D  D  D  D  TOTAL PEARS  10  O  O  Z1  TOTAL PEARS  11  10  0  0  11  11  12  14  16  6	-35 , -	-25 -	\$40 -17 \$700 -17 \$700 -17 \$100 -17	DORF IN FOR THE PLUS I	FR. ALA  ME EASON  ONO (TTO  -12.5  DISTIGNS  -12.5  L  MEM-STO  -12.5	upt -10 -	015TR 7.5 1	-5 1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 1 1 7.5 2 1 2 7.5 2	*10 *10 *10 *10 *10 *10 *10 *10 *10 *10	2	•15 •	17.9 •	· 20 •	25 (	•33 •35
ALTITUDE 1100 F1 000 F1 1100 2 2 TO 2 3 TO 13 10 TO 15 15 TO 2 20 TO 25 25 TO 3C 33 TO 3C 33 TO 3C 34 TO 3C 36 TO 3C 37 TO 3C 38	TIME (HOURS)  7	# ILES  # V-	PEARS  OD  D  D  D  D  D  TOTAL PEARS  I  O  O  PEARS  I  O  O  O  O  O  O  O  O  O  O  O  O	-35 , -	-25 -	\$40 -17 \$700 -17 \$700 -17 \$100 -17	DORF IN FOR THE PLUS I	FR. ALA  ME EASON  ONO (TTO  -12.5  DISTIGNS  -12.5  L  MEM-STO  -12.5	upt -10 -	015TR 7.5 1	-5 1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 1 1 7.5 2 1 2 7.5 2	*10 *10 *10 *10 *10 *10 *10 *10 *10 *10	2	•15 •	17.9 •	· 20 •	25 (	•33 •35
ALTITUDE (100 FT)  1 10 2  2 10 3  3 10 13  10 10 13  10 10 2  20 10 2  20 10 2  20 10 2  20 10 2  20 10 2  30 10 35  30 10 35  30 10 35  30 10 35  4000E 35  TOTAL  ALTITUDE (100C FT)  1 10 2  2 10 3  3 10 35  40 12  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13  10 10 13	######################################	# ILES # # # # # # # # # # # # # # # # # # #	PEARS  FOTAL PEARS  10  FOTAL PEARS  11  10  0  0  0  11  10  0  0  0  0  0	-35 , -	-25 -	\$40 -17 \$700 -17 \$700 -17 \$100 -17	DORF IN FOR THE PLUS I	FR. ALA  ME EASON  ONO (TTO  -12.5  DISTIGNS  -12.5  L  MEM-STO  -12.5	upt -10 -	015TR 7.5 1	-5   1   2   3   3   1   1   1   1   1   1   1   1	3 3 3 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 7.5 2 1 2 7.5 2	*10 *10 *10 *10 *10 *10 *10 *10 *10 *10	2	•15 •	17.9 •	· 20 •	25 (	•33 •35
ALTITUDE (100 FT)  1 TO 2 2 TO 2 2 TO 2 3 TO 13 10 TO 15 15 TO 2 20 TO 25 25 TO 3C 33 TO 3C 34 TO 3C 35 TO 3C 36 TO 3C 36 TO 3C 37 TO 3C 37 TO 3C 38 TO 3C 3	TIME (HOURS)  7	# ILES # # # # # # # # # # # # # # # # # # #	PEARS  D D D D D D D D D D D D D D D D D D D	-35 , -	-25 -	\$40 -17 \$700 -17 \$700 -17 \$100 -17	DORF IN FOR THE PLUS I	FR. ALA  ME EASON  ONO (TTO  -12.5  DISTIGNS  -12.5  L  MEM-STO  -12.5	upt -10 -	015TR 7.5 1	-5 -5 -5 -6 -5 -5 -6	3 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 1 1 7.5 2 1 2	*10 *10 *10 *10 *10 *10 *10 *10 *10 *10	2	•15 •	17.9 •	· 20 •	25 (	•33 •35

# TABLE Dile DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE DETIVEN RELLY AFB. TEXAS AND ELHOMODRY AFB. ALASKA FOR THE AUTUMN SEASON

					NON-51	DAM CONDIT	1045										
ALTITUME 1103c PTI RELOW 1 1 TO 2 2 TO 9 5 TO 10 10 TO 15	TIME (HOURS	VAUTICAL 1 MILES 3. 3. 3. 3. 3.	PEARS 0 0 0	-35 -36 -25	-20 -17.	9 -19 -12.·	uee 5 -10	D[ 57 -7.8	4 (941 -1	104 II	71./ <b>SEC.</b> 97.5 •1	•12.1	•15	•17.5	•20	•25	•32 •35
19 10 20 20 10 20 25 10 30 26 10 35 26 10 35 26 10 35 10 14	C.06 C.09 C.13 2.01 2.70 5.90	33.0 36.5 37.0 1217.0 1224.2 2566.2	11 32			1	;	1	1 1 2 3	10			2	1	1		
					\$ F 004	- COMO!TIO	ws.										
ALT LTUOP	7140	MAUTICAL	TOT 44	M 7. Z			UDE	0157			T./MC.						
1006 FT1	5.33	4.3	PEARS	-35 -30 -25	-20 -17.	5 -15 -12.1	-10 -	7.5	-9	• • •	7.5 +10		-15	•17.5	• 20	•55	*10 *15
1 TO 2 2 TO 3 5 TO 10	0.34	17.1 19.3 43.4	13					2	1	2	5 :	L	1				
10 10 13	£.36	11.1	13						9	•	t i	ı					
25 10 35	6.	:															
30 TO 35	٤.	ě.															
TOTAL	£.48	100.1	30				1	2	,	•	• 1	1	2	1			
					STORM	PLUS NON-ST	TORR										
ALTITUDE 11930 FTI	TIME (HOURS	MAUTICAL I MILES	PEARS	-35 -30 -25	-20 -17.5	5 -15 -12.5	UDE -	01510	11001	OI IP	7./ SEC. 1		+15	•17.6	-20	.25	•32 •35
BRLOW 1 1 TO 2	63	17.1					1		١		i		i	1			
3 TO 10	0.14	19.3	12					2	1	2	3 1		1				
10 TO 15 15 TO 20 20 TO 25	6.09 L.jB	31.1 37.0 34.5	13						5	•	1 (						
25 TO 35	0.13	\$7.0 1217.6	13			1	3	i	l l	ì	1		1	ı	1		
ABOVE 34	2.78	1224.2	11			1	,	•	, ;	1			•	•	ı		
															•		
				OISTA   BUT   Ch	FOR THE FOR THE KPLLY	BLE DIII VEO VERTICA ROUTE DETA ROUTE DETA AND PAR APR. AR PAR THE PAR APR. AR	rech 18 Lasaa	Velo	K I TV								
4.111vet	1100	MAUTICAL	PEAGS	-15 -10 -25	-20 -17-0	-15 -12.5					./sec.1	412.6	415 4			. 29	
1 70 2	**		,	-,, -,, -,,	-60 -6161		10 -		-,	•	•••	*****	****		***	***	• • • • • • • • • • • • • • • • • • • •
2 TO 5	٤.	å. 8.	:														
19 10 15	3. v.:6	22.2															
20 TO 25 25 TO 30 30 TO 30	5.10 4.88	36.2 73.1 1996.3							1	l 5							
ABOVE 35	5.22	2129.7	į						i	•							
					1,152		D:										
AL TITUM	1106	MATTER	10144		\$100	C00017104	-	A 1 4 70		On 101	./MC.)						
ALTITUDE (1836 PT) 8868W 1	6.38	4.6	10144 PEAKS	-35 -30 -25	-20 -17.1	-19 -12.5	-10 -	7.5	-7	• • • •	. 9 - 10	•12.5	•15 •	17.5	•20	•25	33 •35
1 70 2 2 70 5 9 70 12	0.00 [.12 0.23	3.9	•														
10 TO 15	0.37	13.4															
26 TO 25		:	Č														
35 TO 35	ę.	3.	•														
T01 M	3.15	46.9							2								
					\$100m P	LUS 100-ST											
11006 PT		TILES	-	-11 -11 -21	-2: -17.9	-15 -12.5	-19 -	01 5 TR 1	-9		./SEC.)	•12.5	•15 •	17.5	- 20	.25 .	12 • 35
1 10	6.62								2								
10 10 11	6.07	16.0															
20 10 21	3.30	22.2 20.2 73.1	:														
25 TO 35 20 TO 35 ACCVE 35	3.00	1000.3	1						l.	1							
1014	5.37	2175.0	ï						3	•							

## TABLE DILG DISTRIBUTIONS OF BERIVED VERTICAL OUST VELOCITY FOR THE ROUTE BETWEEN RELLY AFG, TEXAS AND FLORINGORF AFG, ALASKA FOR THE

		MON-S	TORM COMOITIC	<b>&gt;</b>				
1 70 2 6.	65 PEARS -35	-30 -25 -20 -17	.5 -15 -12.5	-10 -7.5	-5 +5 +	T./SEC.) 7.5 •10 •	12.5 +15 +17.5	• • • • • • • • • • • • • • • • • • • •
20 10 25 6-27 14	0.5 2 3.0 0 1.7 9			1	1			
ABOVE 35 LC.95 484	8.6 146 5.6 149			1 10 1 19	39 59	17 5	1	
		stor	RM COMOITIONS	<b>.</b>				
ALTITUDE TIME WANTE (1865 FT) (HOURS) MEL BELOW L U.A	ES PEAGS -35	-30 -25 -20 -17		-19 -7.5	TOUTION (F	7.5 -18 -1		·20 ·25 ·33 ·35
1 10 2 3.10 1 2 10 3 0.29 9	0.1 20 7.0 48 4.2 42 7.5 28	<b>t</b> 1		2 L 5 6 1 3	1 2 7 14 6 10 7 11	3 3 7 4 7	5 2 1	
10 10 15 0.19 6 15 10 20 G.	1.2 4 6. D 0. 0			. ,	i 'i	•	•	
25 10 37	5. 0 0. 0							
	0.1 142	1 1	1 1 5	+ 13	24 48	23 0	•	
ALTITUDE TIME NAUTI			PLUS NON-STO		18VT104 (F1	-/SEC.1		
	ES PEARS -15 : 0.1 20 7.0 40	-30 -25 -20 -17. 1	.5 -15 -12.5 1 2	-10 -7.3 2 1	-9 +5 +1 1 2 7 14	9 -13 -1	12.5 +15 +17.5 5 2	+20 +25 +33 +35
5 TO 1, 0.16 4 10 TO 15 C-19 6	4.2 42 7.5 20 1.2 4		1 2	1 3	7 11	7 1	1	
20 TG 25 G.27 LO 25 TG 30 G.22 •	7.5 2 3.6 0 1.7 9			1	1			
30 TO 35 2.67 112 480VE 35 10.95 466 TOTAL 15.35 642	8.8 140	ı l	1 5	1 10 19 32		17 5 41 13	. 1	
	A1571	T/	ABLE DIL	ent was	***			
	• • • • • • • • • • • • • • • • • • • •	FOR THE	AGUTE BETWEE V AFB, TEXAS	EN TEC				
		EL MEMO MONTH	oof are, ala: For the	ia i				
			OAR CO-01710	15				
ALTITUDE TEME HAUTE (1800 FT) (HOURS) MELI BELDH 1	5 PEARS -35	-30 -25 -20 -17.	5 -15 -12.5 -	10 -7.5	-5 +5 +7	./\$2C.) .5 •10 •1	2.5 •15 •17.5	•27 •25 •38 •35
1 TO 2 0. 2 TO 5 3. 5 TO 12 5.								
15 TO 25 3.43 145 20 TO 25 6.47 101								
25 TO 33 2.57 1120 33 TO 35 9.46 4130 ABOVE 35 33.33 13990	).# 1  -6 24			į	10 1			
TOTAL 43.25 1919	0.0 20		n (000)	1	14 13			
ALTITUDE TIME HAUTIG	AL TOTAL S PEAKS -35 -	30 -25 -20 -17.		UDE DISTAL	001104 (FT		2.5.415.417.5	• 20 • 25 • 32 • 35
1 TO 2 1.15 25	. 6 29 . 5 27 . 6 59		1	1 2	, 1		2	•20 •25 •37 •33
5 70 10 C.50 171	.2 61		•	•	25 10		•	
20 10 25 0. 9								
101AL 1.70 461	. 3			4 14	45 62 3	12	5	
		STORM (	PLUS NON-STOR					
	5 PEMS -35 -	30 -25 -20 -17.0	-15 -12.5 -	10 -7.5		9 -10 -11	2	-25 +33 +35
2 10 5 6.47 91 5 10 15 3.50 171			1	;	21 10		i	
10 70 15 0.45 152 15 70 20 0.40 145 20 70 25 0.47 103 25 70 35 2.57 1124	: :				• •	1		
400VE 25 1.40 4129				1				
10144 45.33 19657	.6 294		*	4 15	99 79 1	15	5	

# TABLE DISC DISTRIBUTIONS OF DERIVED VERTICAL SUST VELOCITY FOR THE ROUTE SETWERN KELLY APD. TEXAS AND ELMENDORF APD. ALASKA FOR THE MONTH OF JULY NON-STORM COMMITTIONS

				MOM-5104	4 COMBITE	ONS										
00LOW 1 L TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 27	TIME MAUTICAL (HOURS ) MILES ( 0 0 0 0 0 0 0	PEARS	-35 -30 -25	-20 -17.5	-19 -12.5					1./58C.		45	•17.5	-20	•25	•17 •35
20 TO 25 25 TO 30 30 TO 35 ABOVE 35 TOTAL	0.07 26.1 0.06 35.1 1.02 460.1 3.04 1342.1 4.27 1009.1	3						1 2	3	1						
				\$7000	COMP   T   ON	s										
ALTITUDE 11000 PTI 88LGm I 1 TO 2 2 TO 9 5 TO 10 16 TO 15 15 TO 20 20 TO 25 25 TO 32 30 TO 35	62 2.1 0.04 0.4 0.05 11.4 0.0 0.6 0.0 0.6 0.0 0.6	PEARS 10 1 10	-35 -34 -25	-20 -17.5	-15 -12.5 1			**************************************				•15	•17.8	•23	•25	•39 •35
TOTAL	6. 2.13 36.1	. 21			1	1	2	٠	1	•	1 2					
				STORM PL	US 1000-ST	DE PI										
ALTITUDE (1836 FT) BELOW L	TIME VAUTICAL (HOURS) MILES	PEARS	-35 -30 -25	-20 -17.5	-15 -12:5	-10 -10	0157 -7.5	-9				+15	•17.5	• 29	•25	•12 •35
1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 25 20 TO 25 25 TO 30	0.34 8.9 0.33 10.6 0.33 11.4 0.37 24.9	10			•	·	1	•	1	į	•					
30 TO 35 480VE 35 TOTAL	8.00 39.4 1.02 460.1 3.34 1342.1 4.41 1925.4	5				,	2	2	3	1						
			DISTRIBUTION	FOR THE RELLY ELMENDOR FOR MONTH O	D VERTICAL DUTE BETWE APB. TERM! APB. ALA R THE P SEPTEMBE COMBITIC	ICA ISKA IA	ABL	OC 11V								
ALTITUDE 11000 FT1 0ELOW 1 1 TO 2 2 TO 5 5 TO LJ 10 TO 15 15 TO 2; 20 TO 25	Time vautical (mounts) miles 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	PEARS	-35 -33 -25	-20 -17.5	-19 -12.9	-10	0157( -7.9	-5	On (F	7./SEC.: 7.5 •11	•12.5	•15	•17.5	•20	•25	•30 •35
25 TD 3C 30 TD 35	2.01 12LT.0	13			1	3	2	1	l 1	1		5	1	ı		
TOTAL	2.70 1224.2 3.96 2566.2				1	•	3	;	10	1	)	5	1	1		
ALTITUME	TIME MAUTICAL	TOT 44		STORM	COND   T 1000S					T./SEC.						
11000 PT1 001.0w 1 1 TO 2 2 TO 3 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 33	(MODAS)   MILES 0.33   4.3 0.10   17.1 0.90   19.3 0.09   31.1 0.09   3.1 0.00   3.1	PEARS 0 12 0 13	-35 -36 -25	-20 -17.5	-19 -12.5	-10	2	-9 1 1	****   2   6	7.9 •1: 9 :	•12.5	+15 ·	17.5 1	•20	•25	•33 •35
30 TO 35 400VE 35 TOTAL	0. 6. 1. 0.42 100.1	0				1	2	7	•	• 1	i	2	ı			
				STORM PL	VS 14010-570											
ALTITUDE	TIME WANTICAL (HOURS) MILES	PEARS	-35 -30 -25	-26 -17.5	-15 -12.5	-10		10UTE		7./9EC.	+12.5	-15		• 20	•25	•33 •35
00L0w 1 1 70 2 2 70 5 5 70 10 10 70 10 19 70 20 20 70 25 23 70 30	0.00 17.1 0.00 19.1 0.14 40.4 0.00 31.1 0.00 30.5 0.00 30.5	127					2	1		9 1		1	1			
30 TO 35 400VE 35 TOTAL	2.01 1217.0 2.70 1224.1 6.32 2674.1	11			1	;	i ,	,;	1	•			1	1		

## TABLE Disk DISTRIBUTIONS OF DERIVED VENTICAL OUST VELOCITY FOR THE ROUTE SETURES RELLY AFD, TEXAS AND DAMES ASS. DAY AND

				404-51		110ms								
ALTITUDE (1000 PT) (1000 P		5 PEARS	-19 -30 -25	-20 -17.	5 -15 -12.		-7.5 -	2 1 3 9 7 6			*15 *17	.5 •28	+25	•30 •3
				5104	- COMOSTIC	) <b>44</b> 5								
ALTITUDE (1006 FT) DELOW 1 1 TO 2 2 TO 5 5 TO 10 13 TO 15 13 TO 20 20 TO 25 25 TO 35 ABOVE 35 TOTAL	FIRE VAULE (MOUNT) RILE 3-12 RILE 3-	S PEARS .7 27 .4 77 .8 265 .8 16 .9 2 . 0 . 0	-35 -30 -25	-20 -17. i 1	5 -15 -12.	.9 -10 -	-7.5 - 3 7 2 24 0	2 9	-/SEC.1 7.5 +10 4 3 13 2 48 0 1 2	•12.5	*15 *17. 2 1 3	1	•25	+37 +39
				STORM	PLUS NON-1	TORM								
ALTITUDE, (100C PT) BELOW   10 2 2 70 3 5 70 15 15 70 20 22 70 25 70 30 30 70 35 ABOVE 35 TOTAL	TIME VAUTIC (MOMS) ALLE (MOMS)	S PEARS .7 27 .4 77 .8 205 .8 16 .9 2 .5 0 .9 2 .6 1	-35 -36 -25	-20 -17.	5 -15 -12.	3 -10 -	7.5	9 4 2 26 9 96 4 7 1 1 2 1 3 3	1/SEC.1 -5 -10 -6 3 13 2 -40 0 1 2	;	*15 *17. 2 1 3	1	•25	•33 •31
ALTITUDE 1105C FT1 0ELOW 1 1 TO 2 2 TO 5 5 TO 1. 10 TO 2 2 CO 10 25 25 TO 3;	6. 2 5. 5 1. 5 5.44 150 3.71 201 	5 PEAKS 0 0 0 0 0 0 5 0	-35 -35 -25	POR DERIVE FOR THE RELLY BOYER SPRING	ROUTE BET 7 APS. TER AND. DELA FOR THE ING SEASON DRIFT COMBIT	M GUST WEEN AS WARE I DNS	OFSTRION 17.5 -1	UTTON 1FT 5 -5 -7 2	.5 •10	*12.5	•15 •17.	5 •20	•25	•32 •35
30 TD 35	10.01 024	19					2 1	7 .	1 2 3					
1014	21.16 9249	.7 31						•	•					
	****			5.700	CUMBITIO			VT104 (FT						
ALTITUDE (1032 FT) BELOW L L TO 2 2 TO 5 5 FO 13 10 TO 25 20 TO 25 25 TO 30 30 FO 35	TIME **AUTIC **INDUMS** **ILE** *** ** ** *** *** *** *** *** *** *	5 PEARS .7 27 .6 77 .6 205 .0 10		-20 -17.1	1 -19 -12. 1 2 1 1	5 -10 -	7, 9	2 24 • ••	13 2	•12.5	•15 •17.º 2 1		•25	•33 •35
400VE 35	2.03 629	. 6 20		1 1	1 7	21	36 121	133	70 19	•	5 l	1		
					PLUS 11011-5	TOP #								
ALTITUDE	time wantice					UGE		/T104 IFT			20			
11000 FTF 001.00 1 1 TO 2 2 TO 3 5 TO 16 10 TO 15 15 TO 26	0.12 16 0.12 16 2.29 37 1.23 297 0.99 109 0.40 133 2.44 190	5 PEARS .7 27 .6 77 .8 205 .8 16 .9 2	-35 -36 -25	-20 -17.5	1 -19 -12. 1 1 d	10			.5 ·10 4 3 13 2 40 9 1 2	•12.5	•15 •17.: 2 1	1	•#	•33 •35
26 TO 25 25 TO 36 30 TO 35 460VE 35 TOTAL	0.61 299 0.59 295 10.05 0312	.1 9	i F	1 1	, ;			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3	•	<b>5</b> 1	1		

# TABLE Dize DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN RELLY AFB. TEXAS AND DOVER AFB. DELAMARE FOR THE ROWTH OF RARCH

	TEME		***								210 3	70 / Bes		457 /								
4111000	(HOURS)	MAUTICAL	PEAKS																	. 16	*33 *1	
0.64.00	O.		P C BAS	-33	-10 -51	- 20	-17.	3 -13	-12	11	-/.9	-,	*,	****	-10	*14.7	413	· I · · ·			*** *1	,,,,
1 10 5		0.																				
	••	•																				
2 10 3	9.	1.																				
5 70 10		•.	•																			
10 10 15	••																					
15 10 20	0.44	150.5											1									
20 10 25	0.71	201.5																				
25 10 30	0.41	259.8	1										1									
30 TO 35	0.99	295.1	•								_	3		, ,								
ABOVE 35	10.01	0.294.0	19									. 7		Z								
TOTAL	21.16	9249.7	31								2	10	10	3								
							5 TOR	n con	OI T 10	ins.												
40.222.6000	4000	-0.00	1.22.204							1000												
AL TITUDE	TIME	MAUTICAL	TOTAL			1,22				- 00	× 015	AN I BA	TION	IFT./1	EC.							_
(1000 FT)			PEAKS	-35	-30 -27	- 70	-17.	3 -13	-11	3 -10	1 -7.5	• • •	• 5	+7.5	.10	*1Z.5	.12	. 11.3	•20	+23		
BELON 1	0.12	16.7	21						1			•	•	•	3	•	2	ı			•30 •3	
1 10 5	0.25	37.4	77						- 1		7	22	24	13	2	Z	_		_			
2 10 5	1.23	257.8	2 05			1		ı		1 10	24	- 89	96	4.6	•		,		ı			
5 10 10	0.59	145.4	14						- 1	l	ı	•	7	1	2							
10 TO 15	0.40	133.9	2									1	1									
15 TO 20			•																			
20 10 25	•.																					
25 TO 30	•.																					
30 10 15	•.																					
ABOVE 35	0.04	17.6	20						1	1 1	30	2	•	4	3							
TOTAL	2.43	429.3	427			1	ı	1	. 1	21	30	153	133	70	14	•	3	1	1			
							1000		MDM-1	1004												
ALTITUDE	1100	MAUTICAL	1014							(de	210 3	TR 194	TION (	FT./5	EC.1						•10 •3	
11000 FT1	(HEVES )		PRACS	-15	- 34 -21	- 20	-17-	19	-12.	9 -16	-7.9	-4	+5	.7.5	+10	+12.5	+15	.17.5	. 29	+25	.10 .3	8
DELOW 1	0.12	10.7	27			•••	• • •	•		•		•			1		2	1				•
1 10 2	0.25	37.4	77						i			22	24	13	•		-	-				
2 10 3	1.23	297.0	205						- 3	1.0	24		-	44	•	•	•		1			
5 70 10	0.77	145.0	14			•	•	•		•••		-	- 7	7	•		•		•			
10 70 15	0.40	133.9	';							•	•	ï		•	•							
15 10 20	8.44	150.5	i									•	•									
20 10 25	0.71	201.3	•										,									
25 70 30	0.41	259.0	•										•									
20 10 23	0.50	255.1												1								
ABOVE 35	10.05		, n																			
707.44	23.00	0070.0	444								-	111	144	73			•		•			

## TABLE DISA DISTRIBUTIONS OF DERIVED VERTICAL BUST VELOCITY FOR THE ROUTE DETWEN ELNEWDORF AFB, ALASKA AND DOVER AFB, DELAMARE

		10N-STOR	H CON01110NS					
(1000 FT) (HOURS) MILES		-25 -20 -17.5	-15 -12.5 -10	-7.5 -5	104 IFT-/SEC-1	+12.5 +1	5 -17.5 -20	•25 •30 •1
BELOW I C. 8. 1 TO 2 C. 9. 2 TO 5 0. 9. 5 TO 10 C. 8. 10 TO 15 C. C. 15 TO 27 2.10 773.0 20 TO 23 2.16 850.8 25 TO 30 2.90 1233.3	0 0 0 10° 82 28		1 ; ;	10 34	30 4 4	: .		ı
30 TO 35 41.75 18100.8 ABOVE 35 99.45 43949.6 TOTAL 148.44 64915.5	74 154 4 <b>30</b>		1 3 5	2 20 3 50 10 130	36 6 1 84 6 221 30 15	2		1
10120 144114	•	****	CONDITIONS			•		-
ALTITUDE TIME WANTICAL	TOTAL		VO		ON IFT-/SEC.		5 +17.5 +20	•25 •33 •3
1102 FT) (MOUNS) MILES MELOW 1 1-01 191-7 1 TO 2 2-93 427.8 2 TO 5 2-14 573.9 5 TO 10 15 1-56 440.8 15 TO 20 2-03 8-5 2- TO 25 TO 30 0. 3-38 TO 35 0. 3-38 TO 35 0. 5-	PEAUS -35 -30 219 302 446 113 38 11 0	-25 -20 -17.5 1	-19 -12.5 -10 1		+5 +7.5 +18 55 44 24 116 34 13 170 57 36 43 11 2 12 5 1 4 2	13	1 3 1 5 1	• • • • • • • • • • • • • • • • • • • •
ABOVE 35 0. C. TOTAL 8.90 2147.8	1129	1	4 7 24	133 296	400 155 70	20	7 3 1	
17410		STORM PL	US NON-STORM					
ALTITUDÉ TIME NAUTICAL (1000 FT) (HOURS) MILES BELOW L L./1 151.7	TOTAL PEAKS -35 -36 219	-25 -26 -17.5			ON (FT./SEC.) +5 +7.5 +10 55 44 24		17.5 +20	-25 -30 -3
1 70 2 2.53 427.0 2 70 5 2.14 573.0 5 70 13 1.56 442.0	302 444 113	1	3 4 14	39 88 44 104 11 44	116 36 13 170 57 30 43 11 2		<b>1</b>	
10 TO 15 1.43 949.0 15 TO 2: 2.21 701.5 20 TO 25 2.14 956.0	30 111 02		1 1 3	3 14 13 35 3 11	12 5 1	1	I.	ı
25 TO 33 2.96 1233.3 36 TO 35 41.75 16106.6 ASOVE 35 99.45 43949.6	20 74 194		1	2 20	15 5 36 6 .			
TOTAL 157.34 67063.3	1567	1	6 10 29	152 435	021 105 05	31 1	, , 1	1
		ELMENDOR BOVER A FO SPRIM	OUTE BETWEEN IF AFB, ALASKA AND IFO, DELAWARE IN THE IS SEASON M COMOITIONS					
ALTETUDE TIME MAUTICAL 1100G FT1 INGURS) MILES 06LOW 1 5 0. 1 TO 2 G. 0.	TOTAL PEAKS -35 -30	-25 -20 -17.5	-15 -12.5 -10	E DISTRIBUT -7.5 -5	IDN (FT./SEC.) +5 +7.5 +10	+12.5 +15	3 +17.5 +20	+25 +30 +3'
2 TO 5 6. 0. 5 TO 1C 2. 0. 10 TO 15 C. 3.	•							
15 TO 20 0.65 239.5 80 TO 25 0.09 350.5 25 TO 37 1.40 603.7	33 49 23		1 1 1	3 13 1 5 1 5	10 2 1 35 6 2 13 4			ı
30 TD 35 15.25 4703.0 ABOVE 35 44.00 26530.4 TOTAL 44.20 20436.9	40 194		1 1	5 12 5 30	25 1 2 06 13 5	2		ı
		\$1000	COMDITIONS					
ALTITUDE TIME MAUTICAL (1000 FT) (HOURS) MILES		-25 -20 -17.5	-15 -12.5 -10	-7.5 -5	OM (FT./SEC.)	•12,5 •13		•25 •33 •35
001.00 1 0.26 39.3 1 TO 2 0.48 113.3 2 TO 5 1.10 202.3 5 TO 15 1.95 171	90 92 220		1 2	13 6 9 12 21 99	10 18 2 97 25 10	;	<del>-</del>	
5 TO 15 C.85 171 16 TC 15 C.57 191.0 15 TO 25 G.83 6.8 20 TO 25 G. 0.	22 11 0		1 1	; ;	• ;	1		
25 TO 33 3. 30 TO 35 3. 8. ABOVE 35 C. 0.								
TOTAL 3.19 007.3	300		1 1 7	40 11	153 50 19	15 1	2	
ALTITUDE TIME NAUTICAL	TOTAL	STORM PL	US NON-STORM		ON (FT./SEC.)			
11000 FT1 (HOURS) MILES 001.00 1 3.20 30.3 1 TO 2 3.60 113.3	PEAES -35 -30	-29 -29 -17.5		-7.5 -9 13 6 9 12	10 10 2	*12.5 *1		•25 •33 •31
2 70 5 1-10 202.3 5 70 10 9.55 170.1 10 70 19 0.57 193.0	230 34 22			21 99	17 23 16	j 1		
15 TO 20 C.68 246.B 20 TO 25 6.09 353.5 25 TO 30 1.40 603.7	44 49 23		1 i i	1	14 4 1 35 4 2	1	,	1
30 70 35 15.25 6703.0 ACCVE 35 44.00 20559.4 TOTAL 67.40 29244.2	40 543		1	5) 10 5) 133	35 3 3	12 1	2	1

# TABLE Disc DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN CLMPHOORF APP, ALSKA AND DOVER APP, DELAWARE FOR THE SUMMER SEASON

MOM - 5 704 M	COMMITTONS

						740	>10			110	•											
ALTITUDE	71 84	VAUTICAL	TOTAL											710-	(#1./							
11032 271	INDUS.	MILES	PEAKS	-14 -1	24	-2.	-17.9	-19	-12	٠.	10	- 7. 4			47.4		412.9	.14	417.	6 .22		+12 +15
AEL CH I	b.	7.	3				• • • •	•		• •	• •		•		• • • •	•••		•••	• • • •		,	****
1 10 2	ò.	5.	5																			
2 10 5	6.	5.	0																			
1 10 1.	71	J.	3																			
10 10 15	٧.	j.	á																			
15 70 2)	1.32	450.2	65								2	7	20	27	4	•						
26 10 25	U.98	349.2	33							2	2	7 2		13	3	4	ı					
25 10 3 .	1.20	531.3	5										2	2								
33 10 35	26.21	11203.1	64									2	23			1						
ABOVE 35	34.75	14927.6	133									2	44	54	3							
TOTAL	60.52	29590.5	2 70							2	4	13	95	120	17	19	ı					
							STORM	CONG	0171	DWS												
ALTETUDE		MILES	PEARS	-35 -3		-10	-17 6	-15	-11		une	0131	RIBUI	104	(FT./1	ec.						.32 .35
SELOW 1	0.73	104.4	103	-,, -,	-2>	- 20	-11.03	-19	-12	., -		1		44	• 7. 5 35 26 32	*10	****	.1>	"i			*** ***
1 10 2	1.52	297.7	234								:	3.4		- 33	34	- 11	3					
2 10 5	6.69	247.6	226				1	3			16	35	40	- ;;		- 36	- 1	4		1		
1 10 14	4.00	245.9	79				•	•		•	ï	ii	31	25	- 7	- 7	ī	•		•		
5 TO LU 10 TO 19		209.9	16								•	7		•	ž	ī	i					
15 10 20	6.	2.	3									-	-		_	-	•					
20 TO 25		2.	9																			
25 TD 30	÷.	ě.	C																			
3C TO 35	:.	÷.	C																			
ABOVE 35	c.		0																			
TOTAL	4.85	1147.6	723				1	,	1	•	16	92	195	237	104	91	10	4	1	ı		
						5.70	OH M P	LUS 4	104-1	TOR	M											
ALTITUDE	TIME	MAUTICAL	TOTAL							- 1	JOE .	0157	B ( 94)1	1204	FT./5	EC. I						
(1003 FT)			PEAKS	-15 -3	25	-20	-17.5	-15	-12.	. 5 -	10 -	7.5	-5	+5	+7.5 35 24		+12.5	+15	.17.	+20	+ 25	+33 +35
BELOW 1	C.7C	104.6	103								2	19	37	45	35	17	7		1			
1 10 2	1.52	257.7	234						1	ł	•	20 23 10	72	92	24	11	3		_			
2 10 5	J.99	240.0	5.50				1	3	4			23	49	73	32	50		•		1		
5 TO 15	6.00	245.9	79								1	10	31	25	•	2	1					
12 10 15	v. 40	200.0	16								_	2			2	1	ı					
15 10 20	1.15	499.2	65								3	7	27	27	•	5						
20 10 29	Ú. 98	309.2	33						1		2	2	•	13	,	4	ı					
25 TO 35	26.21	531.3	64									-	. 2		1							
AGOVE 35	30.75	14047.4	133									2	21	32	•	ı						
TOTAL	73.37	23 730.3	990				1	3	•	, ,	20	**	293	347	121	61	19		1	1		
		-4.5413	***				•	•	•		•	**			•••	•		•	•	•		

# TABLE DISA DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE SOUTE BETWEEN ELNEWSSEP AFF, ALASKA MNS DOWFR AFF, BELANARE FOR THE AUTUMN SEASON

					4010	2542CM									
					MON-570	4= C0+0171	045								
113/3 FT1 ( BELOW 1 1 T0 2 2 TO 5 5 FU L3	TEME	MILES	FOTAL PEARS C 2 2	-35 -3: -85	-20 -17.5	-19 -12.9	UDE -19	01\$T	-5	104 C	7./SEC.) 7.5 •10	•12.5	) 15 • 17.5 • <i>3</i>	£ +25	•32 •35
	c.21	74.3	5						1	1					
3. TO 35	23 20  4.62  5.62	99.3 121.9 0402.6 0900.7	1 11					ì	:	<b>;</b>					
					STORM	COV:17164	\$								
08100 1 1 70 2 7 10 5 5 70 1, 15 70 15 15 70 25 26 70 25 25 70 35	TIME 4 (MBURS) 0.35 0.36 0.14 0.16 0.10 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.	MTICAL PILES 7.8 96.6 41.9 44.1 3. 3. 3.	TOTAL PHAES 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -32 -25	-20 -17.5	-19 -12.9 1	uet -10 1	01871 -7.5 1 2	110UT -9 2 4		7./SEC.) 7.5 •10 1	•12.5	·15 •17.5 •2	• •25	+32 +38
					2000 -		5770								
0100. PTO 0 0100. 1 1 TO 2 2 TO 3 5 TO 13 15 TO 23 25 TO 25 25 TO 35 20 TO 35 40007 "5 1	HBURS 1 b - JS 6 - 34 56 £ - 16 6 - 18 i - 28 i - 2	7.0 90.0 91.0 90.1 67.1 70.3 111.0 90.3 121.0	TUTAL PEARS 6 14 0 0 0 2 2 1	-39 -29	-26 -17.9	1	u04 -10	-7.5 ! !	1		1	•12.5 •	15 +17.5 +2	-25	*39 *35
1074 1		7102.4	34			1	1	•	12	15	1				

# TABLE Disc DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE ORTUGEN ELMENOOR APB. ALAGA DOVER APB. DELAMARE FOR THE HOMEN OF APRIL

NON-STORM COMBITIONS

						NON-	STORM	COMPIT	IONS											
ALTITUDE (1008 PT) BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35 480VE 35 TOTAL		MAUTICAL  MILES  0.  1.  2.  130.0  176.2  411.1  3046.6  14276.6	TOTAL PEAKS 0 0 0 0 5 47 13 4 20	-39 -30	-25	-20 -1	7.5 -	15 -12.	ub) 5 -10	1	3 4 1	2 34 10 47	FT./SE •7.5	2	•12.1	* *15	•17.5	\$ •20	•25	•36 •33
						\$7	-	0111000	NS											
ALTITUDE (1030 FT) BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35 480VE 35 TOTAL		MAUTICAL 1 MILES 25.0 37.7 101.3 43.4 92.2 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3	TOTAL PEARS 27 19 32 8 2 0 9 0 0	-35 -30	-25	-20 -1	7.5 -	15 -12. 1			# FOUT -9 1 3 7 7 2 1 1		PT./SE+7.5		12.5	•15	*17.5	• • 20	•25	•37 •35
ALTITUDE (1890 FF)	INDUAS		TOTAL PEARS	-35 -30	-25	\$TOR -20 -1			VOI	-7.5	-5	. 5		+10 ·		•15		• 20	•25	•33 •36
DELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 10 10 TO 20 20 TO 20 20 TO 20	0.16 6.21 0.69 1.27 1.27 1.27 1.36 1.45 1.45	25.6 37.7 161.0 89.4 92.2 130.9 176.2	27 19 32 6 1 5 47					1	1	1	1 3 7 2 1 3 4 1	20 20 4 234 10	1	2	1		2			
30 10 35 ABOVE 35 TOTAL	21.71 33.67	3044.8 9711.4 14476.5	20 176					ı	ı	15	3 25	17 104	10	•	1		2			
				DESTRIB	JT I ON	S OF DEI FOR TI ELMEI DOVI	RIVED HE ROL HOORF AM ER AFE FOR TH OF	ITE BETI MB. M ID I, DELAI	ieen Aska Iare											
ALTITUDE (1000 PT) BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 2,	##WRS	7. 3. 3. 2.	PEARS	-35 -36	-25	-20 -11	7.5 -1		-10	-7.5	-5	+5		•10	12.5	•15	+17.5	-20	•25	+30 +35
20 TO 25 25 TO 30 30 TO 35 480VE 35	0.45 0.46 0.60 24.30	130.5 174.3 192.6 2057.1 10027.0	20 10 5					1 1	1	1	19	1 3	2 2 1	2	,					
TOTAL	32.19	14 165.3	45					2 1	1	•	27	L.	,	,	2					1
						\$70	DAM CO	MOITION	15											
ALTITUDE 11000 PT 00LDv 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 25 20 TO 25 25 TO 35 30 TO 35 30 TO 35	TIME (HOURS) 2-46 0-49 6-29 6-30 6-3	NAUTICAL PILES 13.0 75.6 121.3 66.6 101.6 8.5 0.	TOTAE PEARS 23 33 106 26 21 11	-19 -10	-25	-29 -21	f.9 -1	5 -12.1 1		DIST( -7.5 6 10	110UT: -5 5 0 40 11 7	10N 11 05 ( 2 11 77 14 8	7./56( 7.5 9 25 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 7	*15 1 1	•17.5	•20	•25	•33 •35
TOTAL	1.63	497.4	305					1	•	-34	41	116	40	15	•	,				
						STOR	PLUS	104-51	OR M											
ALTITURE	TIME	MATICAL	101 M		- 00						1847		1./55					. 24	+25	•12 •15
060 PT   060 W 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25	0.44 0.45 0.29 0.30 0.32	75.4 121.3 94.4 101.4 117.0	76485 23 33 106 26 21 39	-35 -30	-25	-29 -11		• -12.1 1 1	-10	-7.5 6 6 10	9 9 11 7 11	11 77 14 8	25	1	1 1 7	1	•17.5	• 27	•49	1
25 TO 35 36 TO 35 480VE 35 TOTAL	0.46 6.68 24.38 33.62	192.6 2957.1 19827.8 14567.7	30 30 367					1 .	,	30	100	125	1	15	11	,				ī

# TABLE DISG DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE BOUTE BETWEEN ELMENGJAP APP. ALASKA AND DOVER APP. DELAWARE FOR THE MONTH OF JUNE

NON-STORM COMOLITIONS

ALTITUDE 1109C PT   6ELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 20 30 TO 35 480WE 35	1HBURS I 6. 0. 2.52 6.92 6.58 12.54 15.48	MAUTICAL MILES 0. 2. 0. 2. 170.D 207.4 250.7 5422.6 1311v.8	FEARS	-35 -3	9 -29	-20	-17.9	-15	-12.5		- <b>7.5</b> 1	-9 1 4 2 3 20	3 7 2	1	1	•12.5	•15	•17.9	•10	•15	• 32 • 35	b _C
TOTAL	30.62	13114.0	50					136	. 905		2	30	24	2	1							
ALTITUDE	T EHE Y	AUTICAL	TOTAL				STORM	COMO	17 1041		0151	4 I <b>9</b> UT	109 (	PT./S	EC. 1							
110/2 FT1 8FLOW 1 1 TO 2 2 TO 5 5 TO 13	0.39 1.31 0.44 0.30	97.9 167.4 122.4 91.7	PEARS 80 136 146 13	-); -)	25	-20	-17.5	-15 ·	-12.5	-10	-7.5 7 10 12 3	27 27 31	* 5 20 47 53	•7.5 13 7 21		12.5	1	•17.5	1	•25	•37 •39	
10 FO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35 ABOVE 35	3.36 C.	122.0 3. 0. 3. 2.	2000									1										
TOTAL	2.56	561.9	394					1	2	10	35	101	131	42	23	11	1		1			
7.1741			922.0			57	ORM PL	us w	M-5 TO													
ALTITUDE (1858 FT) BELDW 1			PEARS	-35 -3	-25	-50	-17.5	-15	12.5	-10	7.5	-5 27	100 ( +5 26	*T./\$4	+10	•12.5	+15	•17.5	- 20	•25	•30 •35	
1 f0 2 2 f0 5 5 f0 10	1.31 2.44 6.36	167.4 122.4 91.7	146					1	2	•	12	37	36	21	12	1	ı		ı			
19 TO 15 15 TO 20 20 TO 25	0.36 0.52	122.9 176.3 237.4	13								1	1	;	1	1	•						
25 10 36 36 TO 35 ABOVE 35	J. 56 12.54 15.60	253.7 5429.6 7844.9	3									3 20	12									
TOTAL	32.33	13661.7	411					1		10	34	131	199	**	23	11	1		1			
AL TITUM	Time v	ANT ICAL	<b>TOTAL</b>			0	MEMBOR PO PMTH O N-STOR	### #8. 8 # THE	elana ULY	ne vs	<b>.</b> : : 1 :	i auti	ian ti	PT-/\$F	۲.,							
ALTITUDE (100C FT) 00LGW 1	G.	MILES	FOTAL PFAES	-39 -3	-25					vot	0   3 Te 7. 9	-5	09 H	7./56	C.) •10	•12.5	•15	•17.5	-20	•25	•33 •35	
1 TO 2 2 TU 5 5 TO 10 10 TO 15	: . : .	3. 3.	0																			
15 70 20 2. 10 25 25 10 33	2.41 6.27 6.39	149.2 103.9 103.3	23						2	i Z	1	;	11	1	2							
30 TO 35 400VE 33 TOTAL	4.60 16.77 22.64	2370.6 7216.1 7711.1	26 61 111						2	,	1 5	11	18 28 63		۱ ,	ı						
	22.00	******	•••				TORR			•	•	••	•,	•	•	•						
AL TITUDE	TIME Y	AUTICAL	TOTAL						Har. W.T.	uee				7./#			_			-251		
1103: FT) 06100 1 1 70 2 2 70 5 5 70 15 10 70 15 15 70 23 20 70 25	0.18 6.27 0.29 0.29 0.27 6.34	#ILES 20.0 40.4 71.0 63.4 113.0	PEAKS PO 0 0 1 1 0	-35 -30	-25	* <u>~</u>	17.9	-19 -	13.5	1	7.5	-5 10 2 1	14	2	1	1	•15	i i	• 29	•25	•13 •11	
25 TO 3. 33 TO 35	;;	3. 3.	•																			
TOTAL	ilm	142.9	90							ı	•	14	31	10	٠	3		1				
AL TITUDE	TIME N	WTICAL	T07 AL			\$70	-	vs =0	4 - S T <b>O</b>					T./58								
(1000 F7) 00100 1 1 70 7	(HOURS)	#11.05 20.0	79465 29	-35 -36	-25	-20	17.5	-15 -	12.5 -		7.	-3				12.5	• 15 •	17.5	20	25		
2 70 5 5 70 13 10 70 15	6 .25 C . 27	71.3 00.9 119.6	1							•	1		1	•	ĭ							
13 10 20 20 10 25 25 10 30	3.41 3.27 6.39	103.0	26 1						2	1	i	į	11			1						
30 TO 35 ABOVE 35 TOTAL	10.77	2670.4 7210.1	26 61 201						2		13	11	16 20 94	1	1 16	•		1				
									•				~ ~			•		•				

## TABLE DESI DISTRIBUTIONS OF DERIVED VERTICAL OUST VELOCITY FOR THE ROUTE DETWEEN EL NEWDORF APS, ALASKA AND DOVER APS, DELAMARE FOR THE

NON-STORM	

	0 TO	PT) 1 2 1 5 1 10		MAUTICAL I MILES 3. 8. 3. 3. 4.	TOTAL PEAKS 0 3	-35	-30	-29	-20	-17.	5 -15	-12.	9 -10	-7.5	18.18U* -5	1 10M (	+7.5	•10	+12.5	•15	•17.9	-20	+25	•33 •1
2	O TD	25 30 35	0.41 6.20 6.20 8.07	133.7 70.3 117.3 1703.9	37 L 0 35								ι	2	14	13	,	2						
	TOTA		15.00	2646.6 6759.6	120								1	•	43	41	7	2						
										STOR	1 CON	01110	ıs											
	L 7   7 1 0 0 C		TIME	VAUTICAL 3 MILES	TOTAL	- 15	-33	-25	-21	-17.5	-15	-12.5	UN -10	-7.5	ra 1001	104 (	FT./S	ec.,	•11.4	•15	+17.5	.20	•25	•32 •3
-	BELD	1 2	0.13	41.8	96	•			••			ı	2	17	25	29	13	3	2					
1 2 2 2	2 10 5 10 6 10 5 10 6 10 5 10	15 20 25 30	U.20 U.17 O. U.	56.4 73.3 53.2 0. 0.	72 63 5 0 0					•	,		1	11	27	20	11	7		3				
	BOVE	35	1:33	243.1	276					ı	2	3	5	42	75	77	44	23	4	3				
									s	TORP	LUS	NON-51	OR H											
	LTIT			HAUTICAL	TOTAL								VOI			10h (						. 44		
- 1	1 100 1 100 1 100	w 1	1.13 0.24	10.4 41.0	PEAKS	-,,	-36	-4>	- 24	-17.1	-13	-12.3	2 -10	-7.5	7		•7.5 13	•10	177	*13	•17.5	• 20	•25	*38 *3
	2 10 5 10	13	0.20	56.4 73.3	72 43					1	2	2	2	11	14	10	11	7	1	)				
1	5 TO 5 TO 6 TO	20	0.17	53.2 133.7 70.0	37 0								1	1	14	13	3	2						
3	5 TO	34	8.87	117.3	35									2	10	14	?							
	3404 101 A		16.69	7002.6	376					1	5	3	•	40	113	110	5 h	55	•	3				
						DIST	FR   64	JTION!	FOI	DER LY THE LHC NOO DOVER F	ROUT( MF A( AND AFR, OR TI OF S(	FRTICA L DETW FR, AL DELAW EIPTEMB	ech Aska Are Ea	T VEL	DC 1 T V									
	•••			V44121244	****				N	DH- 5 T O	-	M0171	-		• • • • • •									
10 10 10 20 20 At	10 10 10 10 10 10 10 10 10 10 10 10 10 1	FT) W 1 2 5 10 15 20 25 3.		VAUTICAL ) RILES 3. 3. 5. 5. 74.3 111.0 90.3 121.9 6482.6	TOTAL PEAKS 0 0 0 0 0 0 0 0 1 1 1 1	-35	-30	-25	-x	-17.9	-15	-12.5				1 6 7			•12.5	•15	•17.5	•28	•25	*30 *39
										STORM	CONE	11 ton	5											
- 0		FTE	TIME	HAUTICAL HILES	DF . 42	-15	- 36	-25	-20	-17.5	-15	-12.5	-10	0157	RIBUT	100 11	7./50	-10	12.5	•15	+17.5	• 20	•25	*30 *35
16 15 25 26 46	10 10 10 10 10 10 10 10 10 10 10 10	2 5 10 15 20 25 30 30 30	0.14 0.14 0.18 0. 0. 0.	7.6 96.8 41.9 44.1 3. 0.  3.	6 14 3 0 0 0 0 0							1	1	1 2		•	1							
									51	-	LUS N	104-1 ft	DAM											
	TIT		TIME	NAUTECAL 1 RILES	TOTAL PEAKS	-15	-30	-25	- 14	-17.5	-15	-12.4		0157	1 NUT	100 17			12.5	•15	+17.5	+28	+ 25	•32 •35
10	10 10 10 10	15 15 27	2.35 6.14 6.14 3.10 3.21	7.8 56.8 61.9 64.1 62.1 74.3	14	-,,					,,	1	1	į	1	1	···i		,		,			33
21	10 10	30	6.29	111.0 90.3 121.9	1										ı									
A	OTAL	35	14.62	7103.8	11							1	1	1	12	15	ı							

## TABLE DIAL UTIONS OF DESIRED VELOCITY FOR THE ROUTE DETHECH EL NEMODOR AFB, ALASKA AND CHARLESTON AFB/NUMI, SOUTH CAROLINA

 HEOTE	-	

						ADSW COMPLA	(UH S									
ALTITUDE (18.0 FF 6ELOW 1 1 TO 2 2 TO 5 5 TO L) 10 TO 15 15 TO 2.	6. 6. 6.	205.9	TOTAL PEAKS	-35 -36 -	25 -20 -11	.5 -19 -12.					./sec.  .5 •11		•15	17.5 +26	-25	•33 •15
25 TO 25 25 TO 35 32 TO 35 ABOVE 35 TOTAL	3.92	260.0 342.0 6114.9 16u37.0 23050.3	2 15 134 150					:	3 45 90	11 75 92	: 1					
			TOTAL		\$10	4# CONDITIO					./SEC.)					
11000 FT	I HOURS		PEARS	-35 -30 -	25 -20 -17	.5 -15 -12.	5 -10 -		-9	3 17	.5 -10		•15 •	17.5 -20	+53	+33 +35
1 10 5	49	26.9 81.3 89.5	20 20				•		į	11						
5 TO 15	1.48	142.6	10						į	13	2					
15 f0 2. 20 f0 25		3.	;					•	•	••	•					
25 TO 3.0	ċ.	5.	3													
ABOVE 35	1.96	492.5	131				2	11	32	50						
	••••		•••				•									
					\$1 OR H	PLUS NON-ST										
ALTITUDE (18C) FT	I HOURS		PEARS	-35 -37 -2	5 -20 -17	.5 -15 -12.5	-10 -	7.5	-5	N IFT.	./SEC.)	+12.5	•15 •	17.9 +29	+25	+30 +35
SELDW 1	1.49	26.9 01.3	50 50					;	•	11	3 1					
2 10 5 5 10 1.	0.35	142.0	10					3	7	21 10	• 1					
10 10 15		285.9	14					1	5	13	1					
20 TO 25	6.42	342.0	ó													
30 10 35 ABOVE 35 TOTAL	149 37.44 55.79	4114.9 16.37.8 23342.7	15 134 209				2	17	45	11 75 50 /	1					
1014	37.74	2372.1	700				•	.,	• 7	30	. •					
					FOR THE ELHEN LARLESTON A SPI	IVED VERTICA E NOUTE BETA DORF APB, AL AND PB/MUNI, SON FOR THE RING SEASON FORM COMOIT!	IBEN ASKA ITH CAR		CITY							
ALTITU <b>O</b> E	1156	MUFICAL	FOTAL	C+	FOR THE EL HEM MARLESTON AI SPI NON-S	E NOUTÉ BETI DORF APB, AI AND FB/MMI, SON FOR THE RING SEASON FORM CONDITI	ITH CAR	OL INA OI 578	184710	m 187.	/SEC.)					
BELOW 1	INQUES	MILES /	PEARS	C+	FOR THE EL HEM MARLESTON AI SPI NON-S	E NOUTÉ BETI DORF MPB, AI AND FB/MUNI, SON FOR THE RING SEASON	ITH CAR	OL INA OI 578	184710	M 181.	/SEC.) 5 •10	•12.5	•19 •1	7.5 •20	•25	*19 *15
11303 FT1 0ft Or 1 1 TO 2 2 TO 5	CHOURS	nices	PEARS	C+	FOR THE EL HEM MARLESTON AI SPI NON-S	E NOUTÉ BETI DORF APB, AI AND FB/MMI, SON FOR THE RING SEASON FORM COMOIT!	ITH CAR	OL INA OI 578	184710	NG 1FT.	/SEC.  5 •10	•12.5	•1 <b>5</b> •1	7.5 •20	•25	*19 *35
11303 FT1 0ft On 1 1 TO 2 2 TO 3 5 To 12 10 TO 15	C.	nites 7. 3.	PEARS	C+	FOR THE EL HEM MARLESTON AI SPI NON-S	E NOUTÉ BETI DORF APB, AI AND FB/MMI, SON FOR THE RING SEASON FORM COMOIT!	ITH CAR	OL INA OI 578	184710	M 1PT.	/SEC.1 5 +10	•12.5	•15 •1	7.5 +20	•25	*30 *35
11300 FT1 0ft.0x 1 1 T0 2 2 T0 5 5 Tu 12 10 T0 15 15 TO 2. 20 TO 25	C	1 MILES 7. 3. 3. 114.6 123.8	PEARS	C+	FOR THE EL HEM MARLESTON AI SPI NON-S	E NOUTÉ BETI DORF APB, AI AND FB/MMI, SON FOR THE RING SEASON FORM COMOIT!	ITH CAR	OL INA OI 578	184710	m 161.	/SEC.) 5 •10	*12.5	•15 <b>•</b> 1	7.5 •20	•25	*19 *35
11000 FT1  0610m 1  1 10 2  2 10 5  5 10 12  10 10 15  15 10 2  20 10 25  25 10 35  30 10 35	C	114.6 120.8 120.8 120.1	PEARS	C+	FOR THE EL HEM MARLESTON AI SPI NON-S	E NOUTÉ BETI DORF APB, AI AND FB/MMI, SON FOR THE RING SEASON FORM COMOIT!	ITH CAR	OL FMA OISTR 7. S	1847 (d -\$	• • • • • • • • • • • • • • • • • • • •	5 +10	•12.5	•1 <b>5</b> •1	7.5 •20	•25	•30 •35
11300 FT1 0FLOW 1 1 TO 2 2 TO 3 5 TU 12 10 TO 15 13 TO 2 23 TO 32	C	114.6 123.8 119.6	PEARS	C+	FOR THE EL HEM MARLESTON AI SPI NON-S	E NOUTÉ BETI DORF APB, AI AND FB/MMI, SON FOR THE RING SEASON FORM COMOIT!	ITH CAR	OL INA OI 578	1847 (d -\$	• • • • • • • • • • • • • • • • • • •	/SEC.1 5 •10 2 2	*12.5	•19 •1	7.5 +20	•25	*30 *35
11303 FT1  BELOW 1  1 TO 2  2 TO 5  5 FU 12  10 FO 12  13 TO 2  23 TO 25  25 TO 32  36 TO 35  ABOVE 35	: HOURS :	114.6 120.8 135.6 5190.1	PEARS	C+	FOR TWO ELHEM MARLESTOM AI SPI WOM-S:	E NOUTÉ BETI DORF APB, AI AND FB/MMI, SON FOR THE RING SEASON FORM COMOIT!	ITH CAR	OL FNA 015TR 7.5	1847 (d -\$	• • • • • • • • • • • • • • • • • • • •	\$ •10 2	•12.5	•15 •1	7.3 •20	•25	*30 *33
1100 FT: BELOW 1 1 10 2 2 10 5 5 10 12 10 10 12 10 10 25 20 10 25 20 10 35 ABOVE 35 TOTAL	1 (mayes	1 MILES 7. 7. 7. 114.0 120.8 139.6 5190.1 6129.6 11706.1	PEARS 20 20 20 20 20 20 20 20 20 20 20 20 20	-35 -30 -3	FOR THE ELHEM NARLESTON AL SPI NOR-SI	E NOUTÉ BETI- DORF AFB. AI AND FORT HE FORT HE RING SEASON FORM CONDITI S -15 -12.5	IPEN LASEA /TH CAR	OL FRA	18UT ID -\$ 25 25	+5 +7. 6 26 32	5 +10 2 2					
1100 FT: BELOW 1 1 TO 2 2 TO 3 5 TO 2 15 TO 2 20 TO 25 20 TO 35 20 TO 35 20 TO 35 ABOVE 35 TOTAL	tedurs	1 MILES  114-0 120-8 159-6 1190-1 6123-6 11736-1	PEARS 20 20 20 20 20 20 20 20 20 20 20 20 20	-35 -30 -3	FOR THE ELHEM NARLESTON AL SPI NOR-SI	E NOVIÉ BETI DORF AFB. AL AND FOR THE FOR THE TING SPASON FORM COMDITI SPASON FORM COMDITI SPASON	IPEN LASEA /TH CAR	OLINA OISTR 7. S	25 25 25 26	6 26 32 m (PT.	5 +10 2 2 75EC.1 5 +10 5 +10			7.5 •29 7.5 •23		
1100 FT1 110 2 2 10 3 5 14 12 15 10 2 2 10 5 5 15 10 2 2 10 3 25 10 3 36 10 3 36 10 3 37 10 3 48 07 3 48 07 3 48 07 3 48 11 14 16 16 16 16 16 16 16 16 16 16 16 16 16	tempers ( ) tempers ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	9 MILES  2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	PEARS 2000 2000 2000 2000 2000 2000 2000 20	-35 -30 -3	FOR THE ELHEM NARLESTON AL SPI NOR-SI	E NOUTÉ BETI- DORF AFB. AI AND FORT HE FORT HE RING SEASON FORM CONDITI S -15 -12.5	IPEN LASAS (THE CAR)	OL FINA OLSTR	25 25 25 25 25 25 25 25 25 25 25 25 25 2	4 26 32 M (PT.	5 +10 2 2 /SEC.1					
1100 FT1 110 2 2 10 3 5 14 12 15 10 2 2 10 5 5 15 10 2 25 10 3 25 10 3 36 10 3 36 10 3 37 10 4 44 11 14 16 44 11 16 2 3 10 3 5 10 16 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17 1	1 HOURS	9 MILES	PEARS 20 20 20 20 20 20 20 20 20 20 20 20 20	-35 -30 -3	FOR THE ELHEM NARLESTON AL SPI NOR-SI	E NOUTÉ BETI- DORF AFB. AI AND FORT HE FORT HE RING SEASON FORM CONDITI S -15 -12.5	IPEN LASAS (THE CAR)	OL FNA OLSTR 7.5	25 25 25 18UTIO -5 6 2	6 26 32 N (PT. +5 +7. 5	5 +10 2 2 2 5 +10 5 -10 9 3					
1100 FT1  BELOW 1  1 10 2  2 10 3  5 10 12  15 10 2  20 10 25  20 10 25  20 10 25  20 10 25  ABOVE 35  TOTAL  ALTITUDE (100C FT)  BELOW 1  1 10 2  2 10 3  5 10 12  1 10 0  1 10 0  2 10 3	TIME- INDUSTICATION OF	# # # # # # # # # # # # # # # # # # #	PEARS  20 20 20 20 20 20 20 20 20 20 20 20 20	-35 -30 -3	FOR THE ELHEM NARLESTON AL SPI NOR-SI	E NOUTÉ BETI- DORF AFB. AI AND FORT HE FORT HE RING SEASON FORM CONDITI S -15 -12.5	IPEN LASAS (THE CAR)	OL FNA OLSTR 7.5	25 25 18UTIO	6 26 32 M (PT. +5 +7.	5 +10 2 2 2 5 +10 5 -10 9 3					
ALTITUDE (100 FF) BELOW 1 1 TO 2 2 TO 3 5 TU 1 1 TO 12 20 TO 25 20 TO 3 30 TO 35 30 TO 35 30 TO 35 480VE 35 TOTAL  ALTITUDE (100 FF) BELOW 1 2 TU 3 3 TO 1 10 TO 1 10 TO 2 20 TO 2 30 TO 2 30 TO 3 36	TIME	MILES	PEARS  TOTAL PEARS  LL  B  S  S  S  S  S  S  S  S  S  S  S  S	-35 -30 -3	FOR THE ELHEM NARLESTON AL SPI NOR-SI	E NOUTÉ BETI- DORF AFB. AI AND FORT HE FORT HE RING SEASON FORM CONDITI S -15 -12.5	HEEN ASKA	OL FRA	25 25 18UTIO -9 6 2 2 3 4 2 2	4 26 32 W IFT.	5 •10 2 2 2 7 5 •10 5 •13 5 •13					
1100 FT1  BELOW 1  1 10 2  2 10 3  5 10 12  10 10 12  10 10 12  20 10 25  20 10 25  ABOVE 39  TOTAL  ALTITUDE (100C FT)  BELOW 1  1 10 10  10 10 15  10 10 25  20 10 25  20 10 25  20 10 25  20 10 35	thques	9 MILES	PEARS  TOTAL PEARS  1188  300  000  000  000  000  000  00	-35 -30 -3	FOR THE ELHEM NARLESTON AL SPI NOR-SI	E NOUTÉ BETI- DORF AFB. AI AND FORT HE FORT HE RING SEASON FORM CONDITI S -15 -12.5	IPEN LASAS (THE CAR)	OL FNA OLSTR 7.5	25 25 18UTIO -9 6 2 2 3 4 2 2	6 26 32 M (PT. +5 +7.	5 •10 2 2 2 7 5 •10 5 •13 5 •13					
ALTITUDE (100 FF) BELOW 1 1 TO 2 2 TO 3 5 TU 1 1 TO 12 20 TO 25 20 TO 3 30 TO 35 30 TO 35 30 TO 35 480VE 35 TOTAL  ALTITUDE (100 FF) BELOW 1 2 TU 3 3 TO 1 10 TO 1 10 TO 2 20 TO 2 30 TO 2 30 TO 3 36	TIME	MILES	PEARS  TOTAL PEARS  LL  B  S  S  S  S  S  S  S  S  S  S  S  S	-35 -30 -3	FOR TW ELHEM MARKESTON AP WOM-S: '5 -20 -17.	E NOUTÉ BETI- DORF AFB. AI AND FORT HE FORT HE RING SEASON FORM CONDITI S -15 -12.5	vite CARA LASKA LA	OL FRA	25 25 18UTIO -9 6 2 2 3 4 2 2	4 26 32 W IFT.	5 •10 2 2 2 7 5 •10 5 •13 5 •13					
1100 FT1 1100 2 2 10 3 5 14 12 16 10 12 2 10 75 16 10 2 2 10 75 25 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10 3 36 10	TIME  TIME  1.01  1.02  1.02  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04  1.04	MILES	PEARS 2000 2000 2000 2000 2000 2000 2000 20	-35 -30 -2	FOR THE EL HEM ARLESTON A SPI MOM-S: -20 -17.	E NOVIÉ BETI DORF AP 8, AI POR THE POR THE RING STASON FOR CONDITI -5 -15 -12-5 IN CONDITION -5 -15 -12-5 PLUS NON-57	HEEN ASKA ASKA ASKA ITH CAR UNDS UNDS IS UNDS IS INDS IS IN	OLINA OISTR	25 25 25 25 27 18UTIO	6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 0 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07.	5 •10 5 •10 5 •10 5 •10	•12.5	ols ol	7.5 •29	•25	•33 •35
11202 FT   BELOW   1   10   2   2   10   2   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2   10   2	thques	MILES	PEARS 20 00 20 20 20 20 20 20 20 20 20 20 20	-35 -30 -3	FOR THE EL HEM ARLESTON A SPI MOM-S: -20 -17.	E NOVIÉ BETI DORF AF A LA AND POR THE POR THE TING SPASON FORM CONDITI S =15 -12.5	HEEN ASKA ASKA ASKA ITH CAR UNDS UNDS IS UNDS IS INDS IS IN	OL FHA	25 25 25 25 27 18UTIO	6 07. 6 20 22 22 22 22 27 1 4 (FT. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95 07. 95	2 /SEC.1 5 *10 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	•12.5	ols ol		•25	•33 •35
11202 FT   BELOW   1   10   2   2   10   2   2   10   2   2   10   2   2   10   2   2   10   2   2   10   2   2   10   2   2   10   2   2   10   2   2   2   2   2   2   2   2   2	TIME	MILES	PEARS  TOTAL PEARS  TOTAL PEARS  TOTAL PEARS  TOTAL PEARS	-35 -30 -2	FOR THE EL HEM ARLESTON A SPI MOM-S: -20 -17.	E NOVIÉ BETI DORF AP 8, AI POR THE POR THE RING STASON FOR CONDITI -5 -15 -12-5 IN CONDITION -5 -15 -12-5 PLUS NON-57	HEEN ASKA ASKA ASKA ITH CAR UDE 10 -10 -1 20 COMM UDE 10 -10 -1	OL FNA  OLSTA	25 25 25 25 27 17 18 UT 10 -5 6 2 3 6 6 2 3 6 6	6 6 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	/SEC.1) 5 *10 5 *10 5 *1	•12.5	ols ol	7.5 •29	•25	•33 •35
ALTITUDE (1030 FT) BELOW 1 10 2 2 10 3 5 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1	TIME- 1-07 13-09 20-02  TIME- 1-00055 1-27 1-31  TIME- 1-00055 1-21 1-31  TIME- 1-00055 1-21 1-22 1-32 1-31	MILES	PEARS 20 20 20 20 20 20 20 20 20 20 20 20 20	-35 -30 -2	FOR THE EL HEM ARLESTON A SPI MOM-S: -20 -17.	E NOVIÉ BETI DORF AP 8, AI POR THE POR THE RING STASON FOR CONDITI -5 -15 -12-5 IN CONDITION -5 -15 -12-5 PLUS NON-57	HEEN ASKA ASKA ASKA ITH CAR UDE 10 -10 -1 20 COMM UDE 10 -10 -1	DISTA	25 25 25 18 UT 10 2 3 3 4 2 2 17	6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07.	/SEC.1) 5 *10 5 *10 7 *10 7 *10 7 *10 7 *10	•12.5	ols ol	7.5 •29	•25	•33 •35
ALTITUDE (1036 FT) BELOW 1 15 TO 2 2 TO 3 5 TU 1 15 TO 2 20 TO 2 25 TO 3 30 TO	TIME	MILES	PEARS  TOTAL PLANS  11 10 3 3 3 66  FOTAL PEARS  11 10 3 3 3 3 3 3	-35 -30 -2	FOR THE EL HEM ARLESTON A SPI MOM-S: -20 -17.	E NOVIÉ BETI DORF AP 8, AI POR THE POR THE RING STASON FOR CONDITI -5 -15 -12-5 IN CONDITION -5 -15 -12-5 PLUS NON-57	HEEN ASKA ASKA ASKA ITH CAR UDE 10 -10 -1 20 COMM UDE 10 -10 -1	DISTA	25 25 25 25 27 17 18 UT 10 -5 6 2 3 6 6 2 3 6 6	05 07.	/SEC.1) 5 *10 5 *10 7 *10 7 *10 7 *10 7 *10	•12.5	ols ol	7.5 •29	•25	•33 •35
ALTITUDE (100 FT)  1 10 2 2 10 3 5 14 12 15 10 2 2 10 7 5 10 2 2 10 7 3 10 2 3 10 3 3 10 7 3 10 7 3 10 7 3 10 7 4 10 7 4 10 7 4 10 7 4 10 7 4 10 7 4 10 7 4 10 7 4 10 7 4 10 7 4 10 7 5 10 7 6 10 7 6 10 7 6 10 7 6 10 7 6 10 7 6 10 7 6 10 7 7 7 8 10 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8 10 7 8	TIME	MILES	PEARS 20 20 20 20 20 20 20 20 20 20 20 20 20	-35 -30 -2	FOR THE EL HEM ARLESTON A SPI MOM-S: -20 -17.	E NOVIÉ BETI DORF AP 8, AI POR THE POR THE RING STASON FOR CONDITI -5 -15 -12-5 IN CONDITION -5 -15 -12-5 PLUS NON-57	HEEN ASKA ASKA ASKA ITH CAR UDE 10 -10 -1 20 COMM UDE 10 -10 -1	DISTA	25 25 25 27 18 UTIO -5 6 2 3 6 2 2 17	6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07. 6 07.	/SEC.1	•12.5	ols ol	7.5 •29	•25	•33 •35

## TABLE DISC DISTRIBUTIONS OF BERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN ELIMINDOS AND ALMERA

## CHARLESTON AFB/PUNIT, SOUTH CAROLINA FOR THE SUMMER SEASON

## NON-STORM COMOITIONS

ALTITUDE TIME YAUTICAL TOTAL PEAKS -35 -30 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 -5 -7.5 -10 -12.5 -15 -1 -12.5 -10 -7.5 -5 -5 -7.5 -10 -12.5 -15 -1 -12.5 -10 -7.5 -5 -5 -7.5 -10 -12.5 -15 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -12.5 -10 -7.5 -1 -1	
TOTAL 26.91 31344.2 97 4 25 60 7 1  STORM COMDITIONS  ALTITUDE TIME VAUTICAL TOTAL PEARS -35 -32 25 -2C -17.5 -15 -12.5 -10 -7.5 -5 0.5 0.7.5 0.10 0.12.5 0.15 0.1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10.0 1 10	
ALTITUDE TIME VAUTICAL TOTAL UDB DISTRIBUTION (FT./SEC.)  (180; FT) (HBURS) RILES PEAK -35 -30 25 -20 -17.5 -15 -12.5 -10 -7.5 -5 -5 -7.5 -18 -12.5 -10 -12.5 -15 -1  BELOW 1 C-07 11.0 4 1 3  1 TO 2 C-28 46.1 17 7 8 5 5 4  2 TO 5 C-15 37.0 25 25 20 40.1 17 8 6 6  1 TO 121 62.6 12 6 6 12 6 6 6 12 6 6 6 6 6 6 6 6 6 6	
11000 FT  (10005)   NILES   04485   -35 -30   25 -20 -17.5 -15 -12.5 -10 -7.5   -5   0.5   0.7.5   0.10   0.12.5   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15   0.15	
1 TO 2 0-28	7.5 120 125 157 155
10 10 15 5.24 70.4 11 1 7 2	
20 10 25 · · · · · · · · · · · · · · · · · ·	
90 TO 35 C. J. S ABOVE 35 J. J. J TOTAL95 235.9 65 9 15 31 10 4	
STORP PLUS NON-STORM  ALTITUDE TIME YAUTICAL TOTAL UDE DISTRIBUTION (FT-/SEC.)	
11300 FT) INDURS: MILES PEARS -35 -30 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 -5 -7.5 -18 -12.5 -15 -15 -15 -15 -15 -15 -15 -15 -15 -1	1.5 -20 -25 -30 -39
2 10 5 C.15 37.0 25 2 12 4 1	
12 f0 1524	
20 T0 25	
30 10 35 2-12 924-8 9 3 5 1 480VE 35 23-49 9912-2 79 4 27 49 6 FOTAL 27-87 11593-1 162 9 40 91 17 5	
AND CHARLESTON AFAITMIL SOUTH CARTE THA FOR THE MONTH OF APRIL how-store conditions	
ALTITUME TIME HAUTICAL TOTAL LOTAL LOTAL LOS OLSTOLOUTION (FT./SEC.)	
1100) FIT THOUGHT MILES PEARS -95 -55 -25 -25 -17.5 -15 -12.5 -10 -7.5 -5 -5 -7.5 -10 -12.5 -15 -17 -18 -18.5 -15 -17 -18 -18 -18 -18 -18 -18 -18 -18 -18 -18	/.5 ·20 ·25 ·33 ·35
1 to 2 3. v 2 to 5 : 3. 3 5 to 1: 3. 0	
1c 10 15 U. G. G. 15 15 16 17.2 0	
25 TO 3U JUZZ 9L-3 0 3U TO 34 0.57 3642.0 0	
ABOVE 35 5.72 2496.6 54 2 25 31 2	
STORM COMOTTIONS	
ALTERUSE TIME NAUTICAL FOTAL (1806 FT) (MOURS) RILES PEARS -35 -30 -25 -20 -17.5 -15 -22.5 -13 -7.5 -5 -5 -7.5 -10 -12.5 -15 -11	.5 -20 -25 -33 -35
06LOW 1 6-27 12-2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
9 TO 12 0.16 46.0 0 13 TO 15 G.11 37.0 0	
15 TO 22 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	
33 TG 35 C	
TOTAL C.96 197.2 7 1 1 2 1 1	
STORM PLUS NON-STORM  ALTITUDE TIME (AUTICAL TOTAL UDG DISTRIBUTION (FT./Sec.)	
110°C FT1 (HOURS) MILES PEARS -35 -35 -35 -25 -27.5 -15 -12.5 -10 -7.5 -5 -5 -7.5 -13 -12.5 -15 -17 -18.5 -15 -17 -18.5 -15 -17 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5 -18.5	. 5 - 25 - 25 - 35 - 35
1 10 2 C.17 20.2 1 2 10 3 C.04 15.0 1 5 10 1010 46.0 0	
10 10 15 0.11 37.0 0 15 10 2) 0.10 97.2 0	
20 10 25 0.10 33.6 3 25 10 30 6.22 91.3 3 36 10 35 8.37 3682.0 6	
ADDR 19 9.72 2406.6 54 2 25 25 2 TOTAL 19.30 0910.6 07 1 3 24 33 3 1	

## TABLE Dido DES OF BERIODO VORTICAL GUST VELOCITY FOR THE ROUTE DETWEEN ELEMONOF AFO. ALESKA MAD AND ALESTO AFORMATI. SOUTH CAROLINA FOR THE ROUTH OF MAY

				-310		٠,								
ALTITUDE TIME (1340 PT) (100mS Decim 1 1 TO 2 1 TO 15 TO 25 C.10 20 TO 25 TO 25 C.10 20 TO 25 C.10 20 TO 25 TO 25 C.10 20 TO 25 TO 25 C.10 20 TO 2		PEARS DEARS DEARS DEARS DEARS DEARS DEARS DEARS DEARS DEARS	-35 -30 -25	-20 -17.5	-15 -12.4	-16 -	0  \$7  7.5	-5	10m (f	7./90	:.) •10 •12.!	3 <b>0</b> 15 017.5 (	· <b>H</b> •25	•30 •35
				STORM	COMOITIONS	5								
ALTITUDE TIME (1800 FT) (1		TOTAL PEARS 19 10 17 8 3 0 0 0	-35 -30 -25	-20 -17.5	-15 -12.5			19UT1		1./MC 7.5 • 4 5		*15 *17.5 4	20 -25	•33 •35
				1000		115.4								
				STORM PL	US 404-570									
ALTITUDE TIME (1200 PT) (**DEED 1		PEARS 19 10 17 5 5 6 6	-35 -30 -25	-20 -17.5	-15 -12.5	unt ( -10 -1 1	7.5 7.5 1	16011		7./SPC 7.5		•15 •17.5 •	20 +25	*33 *35
			DI STRI BUTTONS	OF OFRIVE FOR THE R ELMEMOON ESTEM APA/ FO MONTH O	OUTE BETWE F AFO, ALA AMO	EN SEA W CANG		LITY						
ALTITUDE TIME (1802) PT (1908) PT (1	**************************************	TOTAL PEARS 9 3 0 0 0 0 0 0 0 76	-35 -36 -25	-26 -17.5	-19 -12.9					4 6		•15 •17.5 •	•25	•33 •35
				\$100m	COMOIT IONS									
ALTITUDE 13ME 11000 PT1 (HOURS)	THITICAL	TOTAL .	-35 -32 -25		.18 .15 6					./SEC.		ALS A19 4		
60,00 16 1 70 216 2 70 517 5 70 1011 10 70 10 6.11 13 10 20 6. 20 70 25 6. 25 70 30 J. 30 70 35 C.	9.4 28.2 10.1 32.3 35.7 0. 3. 6. 0.	12 17 11 2	-35 -32 -45		-19 -12.9	-10 -7	1	•	;	3	• (2.)	•15 •17.5 • <i>3</i>		• • • • • • • • • • • • • • • • • • • •
1014		33					3	•	17	3				
				-	M 170	20								
-	WHITE CAL	1014			- 11 19		15.79	MITIG		./MC.	,			
ILOGO FTT INCURSI	HILES I	PE MILS	-39 -30 -49	-20 -17.5	-15 -12.5	-10 -7	. 5	-3	., .,	.5 •1	ė .12.5	-15 -17.5 -2	• • • •	•33 •35
0 0 1 0 0 0 0 1 0 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 22.2 10.1 32.3 39.7 100.5 00.8 00.0	12 10 11 3					1	:	;	3				
4007E 20 13.44 1074L 14.03	1162.4 644.4	107					:	10 27	::	.:				

# TABLE DIAG DESTRUCTOR OF SERVICE DESTRUCTOR THE ROUTE SETUCTOR ELECTRON AND CHARLESTON AFROMMIL SOUTH CAROLINA FOR THE MONTH OF JULY HON-STORN COMBITIONS

						NON-51	00m CO	10   1   00	45										
66100 1 1 70 2 2 70 3 3 70 10	11mt max (mQuas) ( 6. 2. 0. 6.		PEARS 9 0	-35 -30 -4	rs -1	10 -17.	5 -15 ·	-12.5	VDE 811 -10 -7.1	TR10	1104	(FT 5 +7	./SEC.	i	.9 •11	• • • • • • •	• 20	•25	•33 •39
10 10 15 15 70 20 20 10 25 25 10 30 30 10 35 490VF 35	0.032 0.03 0.03 0.03 1.73 1.31 3.19	3. 9.1 19.3 21.0 772.1 569.0	3							1		•		k L					
						STOR	- CO40	T 1045											
ALTITUDE (1802 FT) 0ELOW L 1 TO 2 2 TO 5 5 TO 13 15 TO 25 20 TO 25 25 TO 35 38 TO 35 480VE 35 TOTAL	fine val (HDUS1 1 3.32 0.31 0.32 0.72 0.03 0.03 0.03 0.03		TOTAL PEARS 1 0 0 0 0 0 0	-15 -30 -2	rs -i	19 -17.	9 -15 -	-12.5	vot 915 -10 -7.5	7810. -1	•	\$ •7 1 7	./\$EC. .\$ •1	.) 10 •12.	\$ •15	•17.5	•20	•25	•32 •35
	••••		·										•						
ALTITUDE	TIME YAL	UTICAL	TOTAL				PLUS NO		uet 015	TA : 94	/110m	IFT	./sec.	b					
11000 FT1 0ELDH 1 1 T0 2 2 T0 3 5 T0 16 13 T0 15	(+0045) ( (-)2 (-)1 (-)2 (-)3 (-)3	2.5 1.4 6.7 7.6	PEARS	-35 -30 -8	·5 -2	9 -17.5	3 -15 -	12.5 -	10 -7.5	-1	•	\$ •7 1 7	.9 •1		5 +15	•17.5	-50	+25	•33 •35
15 TO 25 26 TO 25 25 TO 35 460VE 35 1074L	C2 C25 L.75 L.75 L.31 3.33	9.1 19.3 21.0 772.1 369.8	1							1		2	ı I	1					
				DISTRIBUTI CH	ARLES	P DER ET OR THE EL MENOC TON AFE MONTH	ROUTE ORF AFE AND	TICAL BETWEE I. ALAS SOUTH	IA I CAROL I		٧.								
4, 71 TUSE	114E -M		TOTAL PEAAS	-35 -30 -8					UDE 015	TRIBU	7104	(# f.	. / S C .	1	15	.17.5	• 23	.25	•30 •33
884.0m 1 1 10 2 2 10 3 5 10 16 16 10 15 15 10 25 25 10 25 26 10 25 26 10 35 460v£ 35 10144	G. 15 G. 15 G. 17 U-17 U-17 B. 72	33.3 64.8 67.6 77.2 3763.0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-11	, -	• -17.	,,			2		1 1	1	•					
						s ran	(0+0)	TIONS											
ALTITUDE (1000 FT) BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 19 TO 20 20 TO 25 25 TO 30 26 TO 35	6.:1 2.13 6.35 6.37 8.13 8.	** ** ** ** ** ** ** ** ** ** ** ** **	TOTAL PEAKS 3 17 3 0 0	-35 -30 -8	5 -2	0 -17.1	-15 -		uot 015 -10 -7.5 2	-1	•	(FT. 5 •7: 5	.5 -1	) • 12. 1	• • • • • • • • • • • • • • • • • • • •	•17.5	-20	• 25	•33 •35
1014L	6.37	91.5	23						3	٠		•	•	•					
						STORM (	PLUS NO												
ALTITUDE (1900 PT) DELOW 1	TIME MAIL	PELES 2.1	PEARS	-35 -30 -2	s -s	0 -17.5	-15 -		UDE 015			1 PT.		•12.	9 -15	+17.5	• 23	-25	-30 -35
1 10 2 5 07 5 10 10 10 10 10 10 15 07 21	0.13 0.35 0.07 0.10 0.15	22.5 13.0 22.5 31.4	17 3 0						1			) i	4	1					
20 TO 21 25 TO 30 30 TO 35 400VE 35 TOTAL		04.0 79.2 763.0 100.4	1 2 2 3 5						3	ļ		1	•	•					

## TABLE DISA SISTRIBUTIONS OF SPRINGS VERTICAL GUST VELOCITY FOR THE SOUTE SETWERS ELMEMOORF AFG. ALASEA AND MCGUISE AFG. MEM JERSEY

						•	D-110	Dea C	04017	0-1												
ALTITURE		MANTICAL BILES	101M	-11		. 34	-17.		-12.6	VO	915	-	104	161./	HC.1						•30 •1	
DEL CO 1	••	9.		-,,		- 40		,,		,	-1.5	•,	•,	••••	***	****	, ,,,	••••		•23	.,,	,
2 70 5	::	3.																				
\$ 70 10 16 70 15	6.	3.	•									1.0										
15 TO 25	3.32	125.5	*						3	3		•	•	•	•	•	2					
25 TO 30 3C TO 35	0.30	2764.1								1	,	20	33	•	ı							
480VE 35	15.55	4760.4	133						2	,	•	32	10			,	2					
													•	••		·	·					
							1100	(04	1110	15												
ALTITUDE		MAUTICAL	PEARS	-25 -	-18 -25	- 14		-18	-12.5	UDI	-7.5	-1	100	FT ./1	ec.						•33 •3	_
BELOW !	6.11	17.1	55	.,,	-30 -23	- 20		1	-14.1	- 10	•	•	•	7	1		-13	*11.1	• • • • •	+23	• • • • • • • • • • • • • • • • • • • •	•
1 10 3	19	11.1	33					1	1		3	•	15	•	3	1						
5 TO 16	6.35	109.5	17							1		•	•	•								
15 TO 25	i:	· ·																				
25 TO 33	6.	3. 3.	9																			
TOTAL	1.51	3.	•i					2	1	1	•	21	32	25	,							
																-						
						\$1	rone s	LUS .	104-57	-												
ALTITUDE"		VANTICAL ) RILES	PEARS	-35 -	3: -25	- 24	-17.5	-14	-12.9		-7.5	-1	104	PT./S	FC.1	.13.4	414	.17 -	. 20	. 94	*30 *3	
34rpe 1	5.11 6.60	17.1	33		J17					•		3	12	7	1		-13	- 1 7 6 3	-20	~27		•
2 10 5	0.19	43.9	20					•	ı		;	7	3	3	i	1						
13 10 1.	3.32	109.3	17						_		_	•	•	•	_	_						
15 10 25 25 10 25	3.43	140.3	30						2	3	,	•	•	•	•	•	2					
25 10 32 30 10 35	0.33	127.3	**							1	3	20	35	•	ı							
TOTAL	24.49	10301.7	130					2	,	•	15	*	10	41	11	•						
						et 6	SUPPLY STATE	400 400, 400, 60 TH ER SE	4504	asaa Pa se v												
A1 01 01 01			TOT 44.				m -310	4H 68	MO 1 7 10													
11000 FT	INDUS		PEARS	-35 -	33 -25	- 20	-17.5	-15	-12.5	-10	-7.5	-1	.,	•7.5	-10	.12.5	•15	.17.5	•50	+23	•33 •31	•
1 70 2	÷.	ş:	Ş																			
2 10 5 5 10 1.	2.	•	:																			
19 10 13		140.0	22						2	2	3	•	•	٠	•	•	2					
25 10 25	3.12	125.5								_	_											
33 10 35 400vt 33	15.55	2706.1 6766.6 9965.6	. 20							1	3	*	10		1	_						
1014	22.90	*****	133						2	•	•	35	61	16	•	3	2					
							\$ TOO	COMO	11100													
ALTITUDE (1003 FT)	TIME	MUTICAL MILES	TOTAL	-10 -	20 -23			-14		-10	015T	-5	an 11	1./9	C.1						•30 •35	
DEL CO. I	w.11	17.1	22	-,,		-24	-17.7	1	-12.5	-10		3	•	7	ı		-()	* 1 *	- 24	*25	****	
2 10 3	3.17	33.3	20					1	A.		5	•	13	•	1	ı						
16 10 15	:.N	100.0	17							1		•	;	•								
15 TO 27 20 TO 25	6:	3:	3																			
25 10 BC 30 10 35	÷:	š.																				
101 AL	1.51	344.1	•					2	1	ı	•	21	32	25	•	1						
											٠											
						27		LVI W	BH-6 TO			aug.										
ALTITUDE	I HENDS		PERS	-35 -	10 -21	-30	-17.5		-12.9		.7.8	13/1	•5	7.5		12.5	-15	17.9	• 20	• 25	•33 •35	
1 70 2	0.11	17.1	33					ì	_		•	•	1		1	l.						
3 70 19	0.19	79.0	17						ı	1	1	;		•	ı							
19 10 15	3.40	140.0	32						2	8		٨	•	٠	3	9	2					
15 10 L 26 10 15 25 10 20	0.32	125.5	:							_	_											
30 10 35	2 1 5 2											5-9	39									
400VE 31	15.55	2706.1 6708.6 10301.7	230					2	3	1	19	;	;;	•	1							

ALTITURE	114	MUTICAL	1014					VDE	01ST	e i sut	104 (	FT./	MC.1						
11000 FT1	IMENTS	. AILES	PEARS	-35 -30 -25	-20 -17.5	-15	-12.5	-10						.12.5	.15	.17.5	. 20	.25	-32 -35
SELOW 1	3.		6												-		-	-	
1 10 2	4 .																		
2 10 5		2.																	
5 TO 10	ε.	•.	0																
16 10 15	•.	6.																	
15 10 23	0.12	42.5	39				2	2	•	•		•	5	5	2				
20 10 25	6.34	34.0																	
25 10 30	0.09	30.3	•																
PC 10 35	2.92	1246.0	14					1	•	17	23	3	1						
ABOVE 35	4.49	1000.7	24								14								
MICT	7.71	1205.0	119				2	•	٠	20	• 7	15	•	5	2				
					5 T CO. 40	C0+01	111045												
44 T I TUDE	1146	-	TOTAL	1.01.02.10				UDE	91510										
11006 711			PEARS	-39 -39 -25	-20 -17.5	-13 -	-12.9	-10		- 5	• 5	.7.3	-10	.11.5	•15	.17.5	- 50	.12	• 33 • 35
BELDW 1	6.34	4.7	13						3	ı,		•							
1 10 3		25.0	17			ı				•	•	•	l.						
3 10 3	0.07	13.0	11							•	ı	3							
12 10 15	6.10	32.2	17					- 1		3	•	9							
15 10 %		37.4																	
26 10 25	ě:	3.																	
23 10 34		1.	- 1																
30 10 33		ξ.																	
ABOVE 35		1.																	
TOTAL	6.40	96.1	10					1	3	14	10	10	L						
					STORM P	LUS M	<b>34-</b> 5 FO												
ALTITUDE		VAUTICAL	TOTAL					UDE		IDUT		11./8							
11020 FT1			PEARS	-35 -32 -25	-20 -17.5	-15 -	12.5	-10		-9			• 10	.12.5	•15	.17.5	.53	.25	.33 .35
BELOS 1	0.44	6.7	13						3	1	5	•							
1 10 5	0.14	23.8	17			1				3	•	•	1						
2 10 5	6.34	13.6	11								L	•							
5 10 1:	C 7	22.2	17					1		- 9	•	•							
10 10 15	L.10	32.0	0					_											
15 10 20	6.12	42.5	39				5	2	•	•	•	•	8	5	2				
20 10 25	0.00	34.0																	
25 10 32	0.0	30.3	3						_										
30 10 35	3.45	1240.6	52					1	)	17	23	3	ı						
400VE 35	* . * *	1899.7	24								14	•	_						
TOTAL	•.11	3361.1	173			ı.	5	•	11	43	45	33	7	•	5				

# TABLE DISA DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN FLMEWOORF ARD, ALSAGA AND MCGUIRE ARD, NEW JESSEY FOR THE MONTH OF AUGUST

						146	-110		11100	In S												
AL TITURE	11=	MAUTICAL	FOTAL							-	STR	-		FT./S	06.1							
11000 FT1	INDUS S		PEARS	-15 -1	-29	- 20	-17.4	-15	-12-5	-19 -1.					.10	.12.			7. 5 .		24	
361.00 1	6.	٥.	3					••		••		•			- • •						• •	
1 10 2	6.		à																			
2 10 1	4.	٥.	:																			
5 TO 10	0.	÷.	0																			
0 TO 15	6.																					
15 10 20	2.20	139.5	0																			
25 01 05	6.22	89.5																				
25 10 33	6.21	89.1																				
20 10 34	3.50	1537.5	14									3	10									
MOVE 35	11.36	4 649.3	•										4									
TOTAL	15.27	4490.4	10									)	14	ı								
							5 TORM	C040	11100	<b>S</b>												
LTITUDE		MITTER	TOTAL			3227				V06 91	578											
1100C FT1	IHOUAS I	MILES	PEARS	-33 -3	-23	- 5¢	-17.5	-15 -	12.5	-10 -7.	5	-1	• 5			.15.	• •	3 • 1	7.5 .	10 +	25	•33 •
DEL DU 1	6.37	13.5						1			ļ	3	1	,	1							
2 70 2	0.44	72.0	14						_		?	3	•		ž	1						
3 10 1	2.14	33.3	•						1		ı											
6 10 15	1.22	76.7	7																			
5 70 23	0.												•									
0 10 25	6.	6.																				
5 10 3.	į:	ä.	č																			
0 to 35	ù.	i.	- :																			
MOVE 35	č.	5.	9																			
1014	1.11	29	39					1	1			,		,								
	****	494.3	34					•	•		•	′	14	,	•	1						
						51	-	US 112	M-510	An .												
ALT   TUBE	TIME	MAUTICAL	TOTAL							-		Bas T I		PT./S	Se . 1							

ALTITURE	1100	MAUTICAL	TOTAL																				
(1000 FT)	INCLES	MILES	PEARS	-35	-30	-21	-20	-17.1	-15	-12.1	-10	-7.5	-5		.7.5	+10	+12.5	.15	.17.5	. 20	+23	+30 +3	4
DEL CO 1	0.37	13.4							1			1	2	1	3	1				-	-		-
1 10 2	8.44	72.8	14									2	•		2	2	1						
2 10 5	3.14	33.3	•									i	2	- 2	ž	ī	•						
5 TO 16	0.21	54.0								_			_	_		-							
10 10 15	v. 22	76.7	•											•									
15 10 20	0.20	105.5	•											•									
20 70 25	0.22	87.5																					
25 10 30	15.6	89.1																					
30 TO 35	3.30	1537.5	14											10									
ABOVE 35	11.04	4869.3											•		•								
TOTAL	10.30		57										10	28									
									•			•			•	•							

## TABLE Disa DISTRIBUTIONS OF DERIVED VESTICA, GUST VELOCITY FOR THE BOUTE DETHERM ELMERBORF AFG. 0.45EA AND LAMBERCE G. HANSCOP FIELD, HASS.

						<b>101-11</b>	oen (		10×s												
ALTITUDE (1806 PT) BPLOW 1 1 FG 2 2 FG 5 9 FG 16 19 FG 16 19 FG 22 20 FG 25	C. C. C. C. C. C. C. C.	170.5	TOTAL PEARS	-35 -30	-25 -1	N -17.	9 -11	-18.	10	4 018 -7.9	ra 194 -1	11000	•7.5	98C.1	•12.	9 •1	9 -17.	.1 -20	•21	•99	• 35
25 10 97 30 70 35 460VE 35 10144	16.90	463.9 4532.8 4013.8 10133.8	12							4	10	41 17									
						57 <b>0</b> 0	e con	017 <b>j</b> g													
ALTITUDE (1903 FT) DELGE L 1 10 . 2 2 70 . 3 7 70 . 15 10 70 . 15 15 70 . 25 20 70 . 25 25 70 . 25 26 70 . 25	6.36 6.21 0.13 0.23 0.23 6.	12.0 30.5 32.0 40.0 61.1 9.	Pears 17 47 41 8	-35 -30 -	89 F	0 -17.	9 -19 1	1	1	-7.8	12 10 VI		197/ •7.5 1 1 13	-10	•18.	• • • • •	B •17.	1 -20	-25	+92 (	<b>36</b>
101AL	€:••	ai.	117				ı	ı	ı	12	10	91	27	7							
ALTERVOS.		-	1014			51 <b>00</b> = (				1 9151											
11306 PT1 06100 1 1 TO 2 2 TO 3 9 TO 10 10 TO 10 10 TO 20 20 TO 20 20 TO 20	3.04 6.21 6.23 6.23 6.23 6.27 1.37	12.0 12.0 14.5 12.0 00.0 01.1 174.5 147.1	17	-)1 •10 •	29 -1	0 -17.4	) -L9 l	1	) - <b>10</b>	-7.8		17	10	1	•13.1	•15	•17.	1 -20	•29	•33 •	31
36 10 36 400vt 35 70144	10.00	4913.8 4013.5 12348.3	103 23 93			ı	1	1	1	13	14	110	N	,							
				OI STREET			4000		···	<b>M</b> 51.											
4. TI Tube (1000 PT) 04. do: 1 1 TO 3 2 TO 3 5 TO 10 10 TO 15 19 TO 29	**************************************	170.9	Peas	-35 -36 -4	H -H	-17.4	-10	-12.5	-11	-7.8					•12.5	•19	•17.5	•20	-21	*30 *3	13
enter 30	1.37 1.37 100 107 23.02	147.1 441.9 4917.0 4817.1 10133.0								1	16 5 21	41 17 59	;								
						17000	•	17700													
M. TITUME 11000 PT1 001.0m 1 1 T0 3 2 T0 3 6 T0 15 10 T0 25 10 T0 25 25 T0 25 25 T0 25 26 T0 25 26 T0 25 26 T0 25 26 T0 25 26 T0 25 27 T0 26 28 T0 27 27 T0 28 28 T0 27 28 T0 28 28 T0			17	-39 -30 -4	10 - 31	1 -17.9	-19 1	-18.6 1	-10	01577 -7.9 7	11 00 71 -9 2 7	17	1	1	.12.9	•15	•17.5	•20	·n	•13 •1	18
140v1 14 1014		ni.					•	1	ı	13	10	*1	m	,							
ALTIPODE 11030 711 00.00 1	Time .	101.01 101.01	7914L P14L	-se -s: -e		-17.0			-	0 13 71 - 7. 8	1371		77./W	(C. ) •10 ·	12.5	•15	•17.8	-20	-215	• 10 • 1	3
5 76 13 10 70 15 15 70 20 20 70 25 21 70 16	0.13 0.25 0.00 0.00 0.37	13.0 30.3 31.0 01.1 170.9 107.1 048.9	17			1		1	1	;	*	17	13	;							
NO TO 30 NAOVE 30 TOTAL	10.00 16.07 24.77	1011.1	100				1		ı	10	14		H	,							

## TABLE Dide OF STRIBUTIONS OF DERIVED VERTICAL OUST VEROCITY FOR THE ABOVE SCRUPEN ELECTROPS APS, ALASKA AND

FOR THE

## HON-STORM COMOTTIONS

					-																
ALTITURE 11000 PT1 04LOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35 A00VE 35 TOTAL	TIME (HOMES) 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	MANTICAL P. P. P	PEAKS  O  O  O  O  O  O  O  O  O  O  O  O  O	-35 -36 -29	-20	-17.5	-15	-12.9	-10	-7.9	-5	1 41 17 90		#C.) •10	•12.5	•15	•17.5	•:•	•25	•39 •39	
						STORM	Comp	1110													
ALTITUDE (1900 FT) BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30 20 TO 25 25 TO 30	0.00 8.21 0.13 0.23 0.23 0.25 0.	12.0 36.5 32.0 69.9 61.1 0. 0.	TOTAL PEARS 4 17 47 41 8	-35 -30 -29	-20				-10	-7.5 4 7	-5	.,	+7.5	.10	+12.5	•15	+17.5	•20	•35	•30 •35	
TOTAL	8.90	231.4	117				1	1	1	12	14	91	27	7							
			•••			-	•	-	-		•	- •									
						-			-												
					•	1000															
A. FETVOR		MANTICAL	TOTAL						wet	9157	1 OUT	104	FT./8	EC.I							
(1000 PT)	0.00	12.0	PEAKS	-35 -30 -25	-30							•	•	•10	.17.3	•13	•17.5	. 50	• 23	•33 •35	
F 40 S	0.21	34.5	LŤ							•	2	i	÷	L							
1 70 1	9.13	32.0	47			1	1	1	1	i	3	17	10	•							
10 70 15	0.25	01.1	7							•		-	į	•							
12 12 20	9.40	174.5	1								-	1									
25 70 25	1.07	147.1	:																		
30 10 35	10.90	4532.0	44							1	14	41	5								
480VE 35	10.07	4015.5	55							1.0		17		,							

## TABLE DITE OISTRIBUTIONS OF DERIVED VENTICAL GUST VELOCITY FOR THE ROUTE BETWEEN ELMPHOORE AFD, ALASKA MOD VOROTE AR. JAPAN

trace and discard			•	ON-5100		10ms											
ATTIVOE TIME MAUTICAL (1900 PT) INDURS: RILES OCCUR: 1 J. 170 2 0. J. 170 2 0. J. 170 5 5. 8. 5 TO 15 J. J. 9.	FOTAL PEAKS	-35 -30	-25 -20	-17.9	-19 -12.					PT./SI		•12.5	•15	+17.	-20	•25	•33 •35
15 TO 20 2.71 902.4 20 TO 25 3.00 1491.0 25 TO 30 9.27 3904.4 30 TO 35 92.54 20943.4 ABOVE 35 136.51 60683.5 TOTAL 244.04 180561.7	10 101 094 1132			1	: ;		9 1 1 7 64 78	12 10 4 57 307 307	16 29 31 31 31 31 31 31	10	1 20 20	;					
				STORM	COMOLITIC												
ALTITUDE TIME NAMITICAL (1000 PT) (NAMIS) MILES (1000 I 2.09 104.9 104.9 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0	PEARS 140 270	-35 -36	-25 -20	-17.5 3	-19 -12.	5 -10 11 19	-7.9 22 -2 -2 -0	1001 -5 20 60 171 52 10		F7./SE •7.9 7. 40 62 29		*12.9 19 2 17 2	*15	•17.1	1	+ <b>?</b> 5	•33 •33
TOTAL 14.48 4131.8	1338			3	5 1	30	14	335	444	200	78	14	14	•	ı	1	
			8	TOR# PL	US 404-1	TORM											
M.TITUGE TIME "MUTICAL (1800 FT) (MOURS) RILES BREUD 1 0.05 134.5 1 10 2 1.62 206.2 2 TO 5 3.49 776.3 5 TO 1.3 2.76 011.6 10 TO 15 2.40 033.0 135.7 20 TO 25 4.25 1070.7 20 TO 25 10 10 107.7 20 TO 25 TO 10 107.7 5017.7	TOT AL PEAES 140 276 637 213 69	-39 -30	-25 -20	-17.9	-19 -12.	10	0157 -7.5 22 42 40 10	-9 29 63 171 92 19 12 10	23 60 230 107 22 16 20	PT./54 •7.5 21 60 62 29		*12.5 15 2 17 2	-19	•17.1	1	1	•32 •35
29 70 30 11.77 5017.3 30 70 39 92.34 3904.4 A00VE 35 134.51 46401.3 1074L 259.52 111892.7	101 094 2444			1.	; ,		1 210	11 97 307 727	972 972 973	10	1 24 100	,7	14	٠	ι	1	
		OLSTRIBU	TIONS OF	HAIVE	LE DITO	-	t va	<b>0</b> C 177									
				700 07 A	40, JAP 40, JAP 40 THE 10 SEASON	-											
ALTITUDE TIME MANTICAL (1909 PT) (MANES) MILES MALON 1 3 9 8 1 170 2 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	TOTAL PEARS	-35 -30		100 07 A PO U 147 P	MO AB, JAP M THE M SEASON	10-5	0(ST -7.5	81 <b>9</b> 07 -3	10m (1	91./SE •7.5	C.)	•12.5	•11	•17.9	•#	-25	•12 •15
(1000 PT) (HOURS) BRIES BOLOW 1 9. 1 TO 2 v. 8. 2 TO 5 0. 3. 5 TO 10 6. 8. 13 TO 15 3. 15 TO 29 0.17 47.0	PEARS 3 0 8 C 0 2	-35 -30		100 07 A PO U 147 P	MO AB, JAP M THE M SEASON	10-5	0(ST -7.5	81 <b>9</b> UT -9	10m (1	PT./SE	C.1	•12.5	•17	•17.9	·n	+25	•33 •35
(1900 PT) (HBMS) #31.25 	PEARS	-15 -10		100 07 A PO U 147 P	MO AB, JAP M THE M SEASON	10-5	0f5f -7. 5	• 1	2	2	€! •10	•12.9	-17	•17.9	•20	•25	*33 *35
11000 PT (100085) #3125	PEARS	-25 -20		100 07 A PO U 147 P	MO AB, JAP M THE M SEASON	10-5	<b>0</b> f57 -7.5		2	•7.5	€! •10	•12.5	-17	•17.9	•20	•25	•39 •35
1000 FT (MBMS) F1425  BR. MB 1	PEARS 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -36		100 07 A PO U 147 P	MO AB, JAP M THE M SEASON	10ms 10ms 10ms 10ms	-7.1	• 1	2 1	2 2	•10	•12.5	•19	+17.5	•20	•25	•39 •35
1000 FT (MBMS) F1425  BR. MB 1	PEARS 3 0 0 0 C 0 2 1 1 1 2 3 1 2 3 1 TOTAL PEARS 3 3	-35 -36	~21 -30	TOTAL	-19 -12.	10ms 10ms 10ms 10ms	0117 -7.5 2	-5	2 1 9 12	2 2 2	•10						•33 •35
1000 PT   100005   PLES	PEARS 3 0 8 C C 0 9 2 1 8 1 9 1 1 2 3 1 1 2 3 1 1 1 1 1 1 1 1 1 1 1 1		~21 -30	TOTAL	-19 -12.	10ms 10ms 10ms 10ms	-7.1	• 1	2 1	2 2	•10						
(1000 PT) (MBMS) #1625  #81.00 1 5- 1 TO 2 0- 2 TO 5 0- 3 TO 10 0- 5 TO 10 6- 10 TO 20 0-10 0T- 10 TO 20 0-10 0T- 20 TO 25 3-23 01- 25 TO 30 3-45 10 26 TO 30 3-45 10 70 TO 30 3-10 0 10 TO 30 3 10 TO 30 3-	PEARS 3 0 0 0 10 11 23 1 23 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		~21 -30	TOTAL	-19 -12.	1005 1005 1 -10	0117 -7.5	-5	2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 1 1 1 1	2 2 2 2 7.56	C.)	•13.5	•15				
1000 PT   100005   P1025	PEARS 3 0 0 0 10 11 23 1 23 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		~21 -30	**************************************	COMMITTEE	1006 1006 1 -10 1 -10	0137 -7.5 2 2	-5 1 0 110uT -9 2 10 1	2 1 0 12 15m (1 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0	2 2 2 2 77./98	2	•12.5	*15 1 1				
1000 PT   100003   10125   10125   1012   1   1   1   1   1   1   1   1   1	TOTAL PEARS		-21 -20 -21 -20	**************************************	COMMITTEE	1006 1006 1 -10 1 -10 1 -10 1 -10	0137 -7.5 2 2	-5 1 0 110uT -9 2 10 1	2 1 0 12 12 13 15 15 15 15 15 15 15 15 15 15 15 15 15	2 2 2 2 2 3 11	c.)	1 1	*11\$ 1	•17.9	•••	•8	
1000 PT   100005   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   1	PEARS  O O O O O O O O O O O O O O O O O O O	-36 -36	-21 -20 -21 -20	-17-5	COMMITTEE	1006 use 5 -10 use 5 -10 l	-7.5 9150 -7.5 2 2	e i o o o o o o o o o o o o o o o o o o	2 1 0 12 12 13 15 15 15 15 15 15 15 15 15 15 15 15 15	2 2 2 2 2 11./90	c.)	1 1	*15	•17.9	•••	•8	•33 •39
1000 PT   100005   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   10125   1	PEARS  O O O O O O O O O O O O O O O O O O O	-36 -36	-21 -20 -21 -20	-17-5	COMPLET NO. 10 -12 - 12 - 12 - 12 - 12 - 12 - 12 -	1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006	9137 -7.5 2 2 2 2 2 2 2 2 2	-9 0 1 10u7 -9 2 10 1 1 22 22 22 22 22 22 22 22 22 22 22 22	2 1 0 12 12 12 12 12 12 12 12 12 12 12 12 12	2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	c.i	i 1	*15 1	•17.9	•••	•8	•33 •39
1000 PT   100003   10125   10125   10120   1   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   1012   10	TOTAL PEAKS	-36 -36	-21 -20 -21 -20	-17-5	COMPLET NO. 10 -12 - 12 - 12 - 12 - 12 - 12 - 12 -	1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006   1006	9137 -7.5 2 2 2 2 2 2 2 2 2	-9 0 1 10u7 -9 2 10 1 1 22 22 22 22 22 22 22 22 22 22 22 22	2 1 0 12 10m et 0 5 0 1 3 3 3 3 3 5 5	2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	c.i	i 1	*15 1	•17.9	•••	•8	•33 •39

### TABLE Dire DISTRIBUTIONS OF DEFIVED VERTICAL OUST VELOCITY FOR THE ROUTE DETWEEN

YOKOTA AS, JAPAN FOR THE SPRING SEASON

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8 ELOW 1 1 TO 2 2 TO 5 5 TO 13 10 TO 15 15 TO 20 20 TO 25	TIME (HOURS C. 3. 3. 1.20	9. 9. 9. 9. 9. 3. 3. 301.7	PEAKS	-35	-30 -25	-20	-17.5	-15	-12.5	-10	-7.5	74 ( DU) -5	10m	(FT./: •7.5	SE () •13	•12.5	•15	+17.	5 -29	•25	•32 •35
25 TO 33 30 TO 35 480VE 35	2.51 30.22 75.51	1976.2 13224.8 33553.4	499				ı	,		3	1	1 25 197	2 51 290	10	21	,					
	116.91	40055.6	796				1	í	i	26	55	535	374	73	24	7					
ALT I TUBE		MAUTICAL	TOTAL			1	TORM	COMD	I T 104												
11002 FT1 0ELOw 1 1 70 2 2 70 5 5 70 10 10 70 15 15 70 27 20 70 25 25 70 30 30 70 35 480VE 35			PEAKS 45 123 336 139 31 0	-35 -	30 -25	-50	-17.5	-15	-12.5 3		-7.5 16 28	-9 7 20 92 42 10		1FT./1 •T.5 8 24 52 22 8		12.5 1 15 1	*15 1 1 3	*17.1 1	1	1	•38 •35
TOTAL	5.29	1269.4	696				2	ı	,	2.5	57	L 00	243	114	42	21	•	•	1	1	
44 5131105			TOTAL			\$10	RP PL	.us wo	M-5 10						•• .						
ALTITUDE (1900 FT) BELDW 1	C+31	49.7	PEARS 45	-35 -	33 -25	-20 -	17.5	-15 ·	-12.5	-10	-7.5	-9	•5	*T./S	+10	•12.5	1	.17.9	-50	•25	•37 •35
1 TO 2 2 TO 5 5 TO 13	1.94	119.3 392.2 347.3	123 336 139				2		3	10	16 20 9	97	115	24 52 22	10	19	3	3	1	1	
10 TO 15 15 TO 22 2. TO 25	1.03	341.0 391.7 626.3	31 V								1	3	12	•	1 2						
25 TO 33 33 TO 35 ABOVE 35	2.51 322 75.51	1373.2 13224.0 33593.4	99 455				1	,	1	31	47	25 197	51 278	10	51 [	,					
TOTAL	114.20	39152.0	1492				3	•	٠	44	112	412	417	107	**	20	9	٠	1	1	
				OISTR	LBUT I ON	FOR EL M	THE REMOOR	OUTE F AFO AND AB, IN THE	TICAL BETWE , ALA	EN SEA	VEL (	X ITY									
ALTITUDE (1990 FT) BELOW 1		MAUTICAL	1014																		
1 10 5	••		PEARS	-35 -	30 -25	-20 -	17.5	-15 -	12.5					F1./50		12.5	•15	17.5	• 20	•25	• >> • >>
2 TO 5	j.	3. 3.		-35 -	30 -25	-20 -	17.5	-15 -	12.5							-12.5	•15	17.5	-20	•25	•33 •35
5 TO 10 10 TO 15 15 TO 27 20 TO 25	3. 5. 1.20 1.77	3. 3. 3. 443.2	25 19	-35 -	39 -25	-20 -	17.5	-15 - 1	12.5			-5				.12.5	•15 (	17.5	-20	•25	•33 •35
5 TO 10 10 TO 15 15 TO 27 20 TO 25 25 TO 33 30 TO 35 ABOVE 35	1.20 1.77 6.09 52.08	3. 3. 3. 3. 463.2 467.9 25748.6 19623.1	25 19 6 53	-35 -	25 - 65	-20 -	17.5	ı	12.5	1	1 17	-5	8 10 1 26	•7.5	1	12.5	•15 (	17.5	•20	•25	•19 •35
5 TO 10 10 TO 15 15 TO 25 20 TO 25 25 TO 33 36 TO 35	1.20 1.77 6.09 52.08	3. 3. 3. 3. 463.2 697.9 2597.8	25 19 6 53	-35 -	30 -25			ı		-10 ·	1 17	-5 • • • • • •	*5 10 1 26	•7.5	1	•12.5	•15	»17.S	•20	*25	•33 •35
9 TO 10 10 TO 15 15 TO 27 20 TO 25 25 TO 35 ABOVE 35 TOTAL 1	1.20 1.77 0.39 52.08 00.78 30.72	3. 3. 3. 3. 3. 43.2 607.9 2397.8 22748.8 21748.9 19423.1	25 19 4 53 196 293	-35 -	30 -25			ı	12.5 TIONS	1	4 1 17 23	-5 6 6 5 22 196 147	8 10 1 26 67	•7.5	1	12.5	•15	»17.S	•30	•25	•33 •35
5 TO 14 10 TO 15 15 TO 27 20 TO 27 25 TO 32 30 TO 35 ABOVE 35 TOTAL 1	1.20 1.77 0.99 52.08 04.78 120.72	3. 3. 3. 3. 463.2 467.9 2597.8 22746.6 19623.1 46126.8	25 27 25 19 6 33 196 293 707 M. PEACS		30 -25 30 -25	•	1 <b>00</b> 4 (	1 COMO! -15 -:	7 10ms 12.5	1 6 7 7 UDE -10 - 3 7	1 1 17 23	-5 0 4 5 22 199 147	8 10 1 26 47 92 04 11 43 4	•7.5 •7./se •7.5 •7.5	1 3 4 C.1 +10 7		•15 •	17.5			• 33 • 33
5 TO 14 10 TO 15 15 TO 27 25 TO 27 25 TO 37 26 TO 35 26 TO 35 26 TO 35 26 TO 35 27 TO 44 27 TO 44 27 TO 44 27 TO 45 27 TO 5 3 TO 13 3 TO 15	7. 1.20 1.77 6.70 52.00 64.70 136.72 Time (HOURS) 3.01 3.75 1.30 1.21	3. 3. 3. 401.2 407.0 2597.0 2597.0 2794.0 40126.0 40126.0 40126.0 40126.0	25 19 25 19 25 196 293 196 293			•	TORA :	1 Comer -15 -	T 1045	1 6 7 7 UDE -10 - 3	1 17 23	-5 0 4 5 22 199 147	8 10 1 26 67 92 GM 11 93 21	•7.5	1 3 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	12.5	•15 •	17.5			
5 TO 10 10 TO 15 15 TO 27 25 TO 25 25 TO 25 25 TO 25 26 TO 25 26 TO 25 TOTAL 1 1 TO 2 2 TO 25 5 TO 13 18 TO 15 18 TO 15 18 TO 27 2 TO 27 2 TO 25 2 TO	1.20 1.70 6.70 52.08 64.70 136.72 Time HMMS1 J.61 3.75 1.36	3. 3. 3. 3. 3. 403.2 407.9 2597.0 2597.0 2190.2 190.2 40125.0 190.2 125.1 290.0 190.0 1275.1	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			•	1 <b>00</b> 4 (	1 COMO! -15 -:	7 10HS	1 6 7 7 4 00E -10 -	-7.5 4 1 17 23 01574 7.5 10	-5 22 196 147	8 10 1 26 47 92 94 11 95 21 34 96 19	FT./SE -7.5 -10 -7.5 -12 -33 -23	1 3 4 4 5 10 7 7 14 11	12.5	•15 •	17.5			
5 TO 10 10 TO 15 15 TO 22 23 TO 22 25 TO 25 25 TO 35 ABOVE 35 TOTAL  ALTITUDE (1000 FT) 1 TO 25 5 TO 13 18 TO 15 15 TO 25 2- TO 25	7. 1.20 1.77 6.79 52.08 64.70 136.72 7 [mg (HQufs) 3-95 1.36 1.21 1.10 3-12 0.45	3. 3. 3. 3. 403.2 407.0 2597.0 2597.0 19623.1 46126.0 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2 100.2	25 19 6 53 196 293 196 293 196 293 196 293 196 293 196 293 196 296 296 296 296 296 296 296 296 296 2			•	1 <b>00</b> 4 (	1 COMO! -15 -:	7 10HS	1 6 7 7 4 00E -10 -	01114 7.5 01114 7.5 14 24	-5 8 4 5 22 196 147 147 29 27 60 8	00 10 12 26 47 92 93 13 34 90 19 10	FT./SE -7.5 -10 -7.5 -12 -33 -23	1 3 4 1 10 10 10 11 11	12.5	•15 •	17.5			
5 TO 10 10 TO 15 10 TO 15 15 TO 22 20 TO 25 20 TO 25 20 TO 25 20 TO 35 20 T	7. 1.20 1.77 6.09 56.70 136.72 7 [mg [HQLES] 3.41 3.41 3.72 1.34 1.34 1.34 1.34 1.34	3. 3. 3. 3. 461.2 2574.0 2574.0 2574.0 19623.1 46126.0 145.0 125.0 129.0 169.0 1273.1 1273.1	707 AL PEAKS 900 100 111 0 0 0 0 0 0 0 0 0 0 0 0 0 0			\$ -20 -	17.5 ·	1 (CONO): -15 1 2	7 10ms 12.5 1 4	1 6 7 7 water 10 - 10 - 10 - 10 - 10 - 11 15	01114 7.5 01114 7.5 14 24	-5 0 4 5 27 196 147 -5 29 27 60 8	00 10 12 26 47 92 93 13 34 90 19 10	+7.5 4 7 10 10 10 10 10 10 10 10 10 10	1 3 6 1 10 10 10 11 11	1 1	•15 •	17.5			
5 TO 10 10 10 15 10 10 15 15 TO 22 20 TO 25 20 TO 25 20 TO 25 20 TO 35 20 TO 25 20 T	7:06 1.28 1.77 0.79 52.88 00.72 136.72 7:06 100.85 1.30 1.21 1.30 1.21 1.30 1.21 1.30 1.21 1.30 1.21 1.30 1.30 1.30 1.30 1.30 1.30 1.30 1.3	3	707 AL PEARS	~35 ~1		5 -20 -	17.5 · 1	1 CONOT: -15 1 2	T 1045	1 6 7 7 4 1 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	01578 01577 7.3 10 7.7	-5 6 4 5 22 196 107 107 27 60 9 8	01 10 12 47 92 21 34 90 10 10 10 00 10 10 00 10	+7.5 2 4 9 19 19 17.5 23 23 23 27.5 27.5	1 3 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10 10 10 10 10 10 10 10 10 10 10 10 10 1	*15 * 1	1 1 2	•30	•25	
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## TABLE BITS DISTRIBUTIONS OF ORDEROD WOTICAL OUST VOLUCITY FOR THE BOYTE SOTUTOUS ELECTRODAY APP. ALAGAA AND YOLDTA 86, JAPAN FOR THE

101-5700F CRIDITION

AL FITURE		WAUTICAL							v	DE 0151	110011	-	T./ SEC.	1						
11053 FF1	[HOURS	will's	PPARS	-33 -3	-25	-34	-17.5	-13 -1	12.5 -1	0 -7.5	-1	•••	7.5 *	17.		*17.5	• 23	•23	•32 •35	
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3 10 1	6.	١.	)																	
1- 10 15	::	J.																		
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3. 10 31	3.76	1047.1	19								2	•	2							
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								COMOIT												
							31044	(000)												
ALTITUDE	1146	TAUTICAL	PTAGS	-35 -3.	- 24	- 20	-17.5	-19 -1	12.4 al	DE 0157	PINTI	D !!	1./SFC.	9 -1 /-	14	.17.5	.20	- 25	. 22 . 25	
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1014	7	129.5	14								5	•	4	ı						
						ST	rga e P	LUS NO	5 700#											
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Iluin FT1	INDURS!	MILES	PEARS	-35 -3.	-25	- 26	-17.5	-15 -1			-9		7.5 .1	. 11.	9 -19	.17.5	.29	-25	• 32 • 35	
OFLOW 1	4. 35	2.0	*								?		1	1						
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5 10 1	1.12	37.7	5								1	3	L							
16 10 15	-19	47.7	. 2								1	1								
26 13 25	v. 19	75.2	;								•	•								
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480VE 35	0.54	3816.4									1	7								
1014	13. 30	3827.4	34								•	10	•	1						
				DISTAL	W T I ON	PU	-	BETTER	HINEER	UST WEL	BC   T Y									
				DISTAL	iu f Law	e.	PERIOD THE C NEW TOO TOROT	ED VERT REVTE B RF APR, AND A AB, J OR THE DF JANN	IICAL GI METWEEN MASSA MASSA MASSA		<b>SCITY</b>									
				DISTAL	IU T L CIN	e.	PERIOD THE C NEW TOO TOROT	ED VERT ROUTE D RF APR, AND A AB, J OR THE	TICAL GEORGE											
ALTITUDE		auricat mits				PG*	10E (F) (ME) (ME) (ME) (ME) (ME) (ME) (ME) (ME	ED VERT ROUTE D RF APR. AMD A AB. J OR THE OF JACK EM COMO	ICAL GIVERN RIVERN MASA MASA MARY RITIONS	A DE 0157	110/11	0m (F)	1./ <b>5</b> 8C.		s •15	•17.5	•20 •	.25	•32 •35	
FELOW 1	INDURS	miles	PEACS			PG*	10E (F) (ME) (ME) (ME) (ME) (ME) (ME) (ME) (ME	ED VERT ROUTE D RF APR. AMD A AB. J OR THE OF JACK EM COMO	ICAL GIVERN RIVERN MASA MASA MARY RITIONS	A DE 0157	110/11	04 (F +3 +	7./SEC. 7.5 •1	12.	5 •15	•17.5	•29	•25	•12 •15	
1 10 2	innues:	TILES	PEACS			PG*	10E (F) (ME) (ME) (ME) (ME) (ME) (ME) (ME) (ME	ED VERT ROUTE D RF APR. AMD A AB. J OR THE OF JACK EM COMO	ICAL GIVERN RIVERN MASA MASA MARY RITIONS	A DE 0157	110/11	04 IF	1./SEC. 7.5 •1	) 0 •12.	5 •15	•17.5	•29 •	.,,	•12 •15	
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1100C FF1 0ELCm 1 1 TO 2 2 TO 5 5 TO 1. 10 TO 15	influes:	nices 5.	7tAC5			PG*	10E (F) (ME) (ME) (ME) (ME) (ME) (ME) (ME) (ME	ED VERT ROUTE D RF APR. AMD A AB. J OR THE OF JACK EM COMO	ICAL GIVERN RIVERN MASA MASA MARY RITIONS	A DE 0157	110/11	• • •	7./\$EC. 7.5 •1	   •12.	5 •15	•17.5	•29 •	•25	•32 •35	
*180C FF1 #ELOW 1 1 TO 2 2 TO 5 5 TO 1. 16 TO 1. 15 TO 2. 20 TU 25	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	) miles 3. 3. 3. 3. 19.6 29.6	7tats 3			PG*	10E (F) (ME) (ME) (ME) (ME) (ME) (ME) (ME) (ME	ED VERT ROUTE D RF APR. AMD A AB. J OR THE OF JACK EM COMO	ICAL GIVERN RIVERN MASA MASA MARY RITIONS	A DE 0157	110/11	0% (F +5 +	7./\$EC. 7.5 •1	i 0 +12.	5 •15	•17.5	•29 •	•25	•33 •35	
*180C FF1 **ELOW 1 1 **TO 2 2 **TO 5 5 **TO 15 15 **TO 22 20 **TO 25 25 **TO 3	2.05 2.05 2.05 2.05	) mites ). ). ). ). 10.6 20.6 62.0	Ptacs 3 3 1 1			PG*	10E (F) (ME) (ME) (ME) (ME) (ME) (ME) (ME) (ME	ED VERT ROUTE D RF APR. AMD A AB. J OR THE OF JACK EM COMO	ICAL GIVERN RIVERN MASA MASA MARY RITIONS	A DE 0157	#1 <b>0</b> u11	1	7.5 •1	1 0 +12.	5 •15	•17.5	•29 •	•25	•12 •15	
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#100C FF1 #10 CF1 #10 FF1 #10	Tiet (HBMS)	MILES	PEACS  20 20 21 21 21 21 21 22 22 23 24 25 26 26 27 26 26 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	-15 -1.	~25	P(s) E	STORM	COMOIT	FISCAL GENT WERE AND ALL SEA COLORS OF THE SEA C	DE 0157 D -7.5	# (BUT): -5 0 0	1 1 7 9	7.5 •1 2 2	• •12.						
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## TABLE DITE DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE DETUREN ELIMIDORY APP, ALASKA AND VINCOTA AB, JAPAN FOR THE

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	ALTITUDE (1962 FT PELEM 1 1 TO 2 2 TO 5 5 TO 12	TIME NO HOURS)		FOTAL P(ARS ) )	-35 -	3C -25	-26	-17.1	-15	-12.9	-10	-1.5	18 18 U	* 104 · 5	•7.5	*10	+12.	5 •19	•17.	5 +27	•25	•35	• 35
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### TABLE DET DISTRIBUTIONS OF DORIVED VORTICAL GIST VOLCCITY FOR THE MOUTE DETUREN FLIRMSON AFD. ALASKA

FOR THE HONTH OF APRIL

### MON-STORM CONDITIONS

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				\$1	ON 11	W1   H	N-570			•••										
11002 FT1	3.15 23.1	101AL 214AS	-35 -36 -	25 -20	-17.5	-15 -	12.5		-7.8	-1	• •	77:/5	•10	•12,5	•15 1	•17.5	•13	•25	•10 •11	
1 70 J 2 70 S 5 70 10 10 70 15 15 70 25 20 70 25 26 70 30	0.30 00.0 0.30 115.0 0.37 126.0 0.40 144.1 0.41 159.0 0.48 201.4	76 190 60 21 2			1			•	11 2	17 38 13	20 24 36 10 10	14	1	;						
36 TO 39 400YE 35 TOTAL	7.00 3030.4 27.12 11.019.2 37.00 15.700.7	5 000 1 1 1			ı	;	1	**	45 71	173	274	54 114	1.	19	1	1				
								1	40											

# TABLE DITA DISTRIBUTIONS OF DERIVED VERTICAL OWST VELOCITY FOR THE ROUTE DETREES ELIM-WHORF AFF, ALASEA AND VOKOTA AB, JAPAN FOR THE MUSTN OF JUNE

HON-STORM CONDITIONS

	ALTITUDE		MUTICAL	TOTAL					00 011											
1   1   1   1   1   1   1   1   1   1	2 10 2 2 10 2 3 10 1	· ·	3. 3.		-35 -36 -2	5 -25 -17.	3 -15	-12.3 -1	9 -7.1	-1	••	• 1,5	•13	•12.5	•13	•17.7	•20	•25	•33 •1	•
### STORY   1   2   2   3   4   4   4   4   4   4   4   4   4	15 TO 23 29 TO 25	U.34	132.3	1						,		1	1							
10   1   10   1   10   1   10   1   10   1   1	25 TO 3 36 TO 35	19.04	224.4 8482.4 5344.7	10						3		1								
Section   Figure   Section   Figure   Section   Figure   Section   Figure	1014	34.34	14693.2	35						13	1.	*	1							
132   11   1000   11   11   12   12   13   14   14   17   17   17   17   17   17	ALTITUDE	TIPE 4	AUTICAL	TOTAL		STOR	M COMO!		OF 015	TRIBUT	104 (	FT./50	ıc.1							
2 10 38 8 8-2 117	RELOW 1	2.21	33.0	44	-35 -36 -2	5 -20 -17.				10	15	- 11	•	3		•17.5	. 53	•53	•33 •3	3
11   10   2	5 TO 1.	10	145.4	•			ı	5	4 10	30	7		•	3	ı					
1   1   2   3   1   1   2   4   2   2   3   39   60   79   37   23   7   2   1	23 10 25	••	3. 3.	ā																
STORM PAUS NON-STORM CONSTRUCTION   STORM PAUS NON-STORM CONSTRUCTION   FIRST NON-STORM CONSTRUCTION CONSTRUCTION   FIRST NON-STORM CONSTRUCTION CO	3. 10 35 ABOVE 35	3.	5:	3			,	2 1	3 <b>39</b>	63	70	37	23	,	,					
March   Control   Contro						STORM			•	-			• -	·	•	·				
## AUTITION   Total   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1		TEMF (			-15 -1: -2			U						•12.5	•15	+17.5	•20	•25	•••	
\$ 10 12	# EL Do 1	5.21 -127	11.3	64 Pu			1		1 15	10	15	11	10	3	1		7.7			
22 TO 25 C.77   237.2   12   3 7	5 fu 11 16 fo 15	2.48	90.4	;				•		1	7			-	·					
TABLE DITE  TABLE DITE  DISTRIPUTIONS OF INCRITED STORM  TABLE DITE  DISTRIPUTIONS OF INCRITED STORM  TOTAL S	25 TO 25	U.77	337.2	13						2	,		1							
DISTRIPUTIONS OF INCRUSED STREET, CALL CLUST VELOCITY FOR THE OWNER PETFORM   FOOD THE NUMBER PETFORM   FOOD THE NUMBER PETFORM	ABOVE 35	14 3	5544.9	7			2	2 1	) )•				24	7	2	ι				
DISTRIPUTIONS OF INCREMENT PROTECTIONS  FOR THE NUMBER DETERMINE PROPERTY AND AND ADDRESS OF THE PROPERTY OF THE NUMBER OF THE PROPERTY OF THE NUMBER OF THE PROPERTY OF THE P																				
					DISTRIBUTE	PIS OF HERE	460 AES	TICAL G	UST VE	L DC 1 T Y										
### Page 144  ##################################						ELMEND	ATA TRO	, ALASK	•											
ACTITUDE TIME AUTICAL TOTAL 1074							POR THE													
### STORM COMMITTIONS  ### ACTIONS TIME COMMITTIONS TIME COMMITTIONS TIME COMMITTIONS TIME COMMITTIONS  ### ACTIONS TIME COMMITTIONS TIME COMMITTIO	ALT ! TUDE	TEMP 5	AUTICAL	1014		NON-57	19= (04		DE 015	IA IBUT	104 (	r./se	Ç.1							
2 10 3 5	88LOS 1	110451	HILES	PEARS	-15 -33 -21	-20 -17.	5 -15 -							12.5	•15	•17.5	• 50	•52	•33 • 11	
19 10 21	2 to 5	3																		
3. 10 35 14-11 6183-7 26	23 10 51	6.47	107.5	7			1			1	3									
ALTITUDE TIME AMERICAL TOTAL UDE DISTRIBUTION (PT./SEC.)  RELDU 1	3. 10 35 ARDVE 35	0.77	1713.7	152			1	!	17	93	29									
Second   Graph   Control						STOR	- CONNT	TIONS												
1 TO 225					-35 -31 -21	-20 -17.	5 -15 -							12.5	•15	•17.5	•50	• 2 >	•13 •15	
3 TO 1:	1 10 2	: .42	47.3	24				1		1.0	23			2	1					
25 10 30	13 10 15	33	99.7	2						,										
ABOVE 35	30 10 35	2.41	307.6	3																
ALTITUDE FIRE NAUTICAL FOTAL TOTAL T			125.4					1	20	26	37	•	3	2	1					
The content of the						STOR# (	LUS NO													
2 TO 5 1-42 07-3 51 7 10 2- 6 5 TO 1055 04-0 0 7 7 7 10 TO 1530 09-7 2 15 TO 254-7 157-5 18 1 2 5 5 4 2-15 TO 254-7 157-5 7 1 1 1 3 1 25 TO 35 3-45 4304-5 3 2 1 35 TO 35 14-11 6105-7 26 1 1 4 880Y1 55 8,77 3 313-0 132 6 17 90 20 7 3	07LOw 1	I FHOURS 1	HILES 11.4	PEARS	-39 -30 -29	-26 -17.	- 15 -	12.5 -16	-1.5	-5	.; .	7.5	10 .			17.5	• 50	•55	•>> •>>	
15 10 25 3-63 197-3 18 1 2 5 5 4 21 10 25 3-67 197-5 7 1 1 1 3 1 25 10 33 3-65 4504-5 3 2 1 35 10 35 15-411 6185-7 26 1 1 6 11 480Vt 55 8,77 3V13-0 155 6 17 90 20 7 3	3 70 3	. 13	90.0	51				•		LO	2,		•							
35 TO 35 To:L1 6189.7 26 1 14 11 680VE 35 0.77 3VE3.0 152 6 17 90 20 7 3	15 TO 25	43	197.3	10			l.			1	3									
	35 10 35 400VE 35	0.77	0105.7 3v13.9	130			1		1.7	60 Fe	11			,						

## TABLE DITM DISTRIBUTIONS OF DESIVES VORTICAL OUST VOLCETT FOR THE ROUTE SETUTES ELICENDOS AF B. ALASKA AND VORTE AB, JAPAN FOR THE

MON-STORM CONDITIONS

ALTITURE											
	-			-20 -17.5 -15 -12.5			171./SPC.1		•15 •17.	5 -20 -1	5 +32 +35
1 10 3	••	). ).	,								
\$ 70 LJ 13 10 15	•. •.	3. 0 8. 3	)								
20 10 21	3.62	173.6 6 193.3 6			3	s s					
30 TO 35	10.03 0	157.7 1 .00.5 17 199.2 31	•			1	3				
101AL	33-44 100	190.2 31 190.3 55			2	21 27	3				
				570AH COH01718H	15						
ALTETURE	1146- 1441 HQUEST N	ICAL TOTAL		-20 -17.5 -15 -12.5		I BUT I ON	1FT./SEC.1		.18 .19		9 • 33 • 39
06104 1	3.11 6.25	19.2 11		-10 -11.5 -15 -12.5	-10 -7.3		1, 1	ı	****	, ,,,	, ,,,,,,
2 10 5	6.30	123.2 64		1 1 2	1 7	17 31	•	1	1 1		
10 10 15	:.12	130.8 10 64.3 0 189.8 6	i'			, ,					
25 TO 33 25 TO 33		109.0 0 143.3 11				3 4					
400VE 31	• •	17.5 176		1 1 3	4 10	42 44	. 24 T	•	• 1		
				STORM PLUS NON-ST	-						
ALTITUDE	TIME NAUT				JOE 01570	1941104	FT./SEC.1				
1100C FII	6.11	19.2 PEARS		-20 -17.5 -19 -12.5	-10 -7.5	-; ;	•7.5 •10	*12.5	*15 *17.5	3 - 58 5	• • • • • • • • • • • • • • • • • • • •
1 TO 2 2 TO 5 5 TO 1		39.3 90 129.2 66 117.1 24		1 1 2	• • •	12 31	17 2		1 1		
10 70 15	u.59 2	100.8 14 117.9 6		1		; ;	<b>1</b> 1	•	*		
25 10 25	5.97	13 1.14			•						
36 TO 35 400VE 35 TOTAL	23.11 101	160.5 17 199.2 31 191.0 231			. 20	13 16	) }	,			
1012	47.40 232	M1.0 231		1 1 3	4 20	4) 1	31 7	,	• 1		
				TABLE DITE							
			01 STR   BUT   C	IS OF DERIVED VERTICA FOR THE ROUTE BETW ELMENDORF AFF. IN. MOD VORDETA AF. JAPA FOR THE MONTH OF SEPTEMB NOW-STORM COMOSTS!	den asaa n	CITY					
ALTITUDE	FIRE NAUT	ICAL TOTAL		IS OF DERIVED VERTICA FOR THE ROUTE SET ELMENBORF APB, AL MOD VORDTA AB, JAPA FOR THE MONTH OF SEPTEMB NON-STORM CONDITE	den Asaa H Lik Lins UDE DISTAI	1807109					
1107L FT)	FIRE NAUT (HOURS) RI	LES PEARS		IS OF BERIVED VERTICA FOR THE ROUTE SET ELREWEDEF AFS, AL MOD VORDEA AS, JAPA FOR THE MONTH OF SEPTERS	den Asaa H Lik Lins UDE DISTAI	1807109		•12.5	•15 •17.5	) +20 +21	• • • • • • • • • • • • • • • • • • • •
110% FT1 0816# 1 1 T0 2 2 T0 5 5 T0 10	FIRE YAUT	LES PEARS	-35 -30 -25	IS OF DERIVED VERTICA FOR THE ROUTE SET ELMENBORF APB, AL MOD VORDTA AB, JAPA FOR THE MONTH OF SEPTEMB NON-STORM CONDITE	den Asaa H Lik Lins UDE DISTAI	1807109		•12.5	•15 •17. <b>5</b>	) +20 +21	* *53 *35
1107L FT1 08LGm 1 1 TO 2 2 TO 5 5 TO 10 13 TO 15 15 TO 27	First value (repurs) of	1.0 PEARS  J. J	-35 -30 -25	IS OF DERIVED VERTICA FOR THE ROUTE SET ELMENBORF APB, AL MOD VORDTA AB, JAPA FOR THE MONTH OF SEPTEMB NON-STORM CONDITE	den Asaa H Lik Lins UDE DISTAI	1807109		•12.5	*15 *17.1	) •29 •29	•33 •35
11076 FT1 08660 1 1 TO 2 2 TO 5 5 TO 10 10 TO 27 20 TO 29 20 TO 29 20 TO 20	FIRE NAMES OF THE PROPERTY OF	1.85 PEARS 3. 0 3. 0 3. 0 49.6 2 79.2 0	-35 -30 -25	IS OF DERIVED VERTICA FOR THE ROUTE SET ELMENBORF APB, AL MOD VORDTA AB, JAPA FOR THE MONTH OF SEPTEMB NON-STORM CONDITE	den Asaa H Lik Lins UDE DISTAI	180710N ( -5 +5	+7.5 +10	•12.5	•15 •17,5	) +20 +21	* * * * * * * * * * * * * * * * * * * *
11076 FT1 08160 1 1 T0 2 2 T0 5 5 T0 10 13 T0 15 15 T0 27 2 T0 28	Fire wast regular and to to to to to to to to to to to to to	1. Property of the control of the co	-35 -30 -25	IS OF DERIVED VERTICA FOR THE ROUTE SET ELMENBORF APB, AL MOD VORDTA AB, JAPA FOR THE MONTH OF SEPTEMB NON-STORM CONDITE	den Asaa H Lik Lins UDE DISTAI	1 00 1 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		•12.3	+15 +17.1	1 +20 +21	• • • • • • • • • • • • • • • • • • • •
11071 FT) 681-66 1 1 TO 2 2 TO 5 5 TO 10 13 TO 2 2 TO 2 2 TO 2 2 TO 3 3	Fire wast (MOMES) mil We Le Le Le Le Le Le Le Le Le Le Le Le Le	1185 PEARS 3. 0 3. 0 4. 0 5. 0 49.6 2 75.7 0 90.7 6 447.1 10	-35 -30 -25	IS OF DERIVED VERTICA FOR THE ROUTE SET ELMENBORF APB, AL MOD VORDTA AB, JAPA FOR THE MONTH OF SEPTEMB NON-STORM CONDITE	eem assa a id cws ume distal -10 -7.5	1	+7.5° +10	+12.5	•15 •17,5	) +20   +21	• • • • • • • • • • • • • • • • • • • •
(1876 FT)  88460 1  1 70 2  2 70 5  5 70 1  13 70 15  15 70 25  25 70 35  35 70 35  36 70 35  48777 35  70744	Fire vaut (HQMS) = 0 V- V- V- V- V- V- V- V- V- V- V- V- V-	118 - PEARS   PEARS   3	-35 -30 -25	IS OF DEBITED VERTICA FOR THE ROUTE SET  LIMENDORF APP. AL  MOD VOROTA AB., JAPA FOR THE MONTH OF SEPTEMB  NON-STORM CONDITION  STORM COMBITTOM	eem assa wa is to the control of the	BUTION	*7.5 *10 2 7				
684-69 1 1 70 2 2 70 3 5 70 1 13 70 15 15 70 27 2, 70 25 25 70 3 35 70 35 46674 35 70744	Fine value (100m5) mg V	1184 TOTAL 185 PEARS 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10	-35 -30 -25	IS OF DERIVED VERTICA FOR THE ROUTE BETW ELMONDON AFF, AL MOD VORDTA AB, JAPA FOR THE MONTH OF SEPTEMB HOW-STORM COMBIT! -20 -17.5 -15 -12.5	eem assa wa is to the control of the	1	e7.5 e10 2 7				•33 •33
684.00 1 1 10 2 2 10 2 3 10 1 13 10 2 3 10 1 13 10 2 3 10 3 33 10 3 33 10 3 48761 3	Fire value (19085)   02   03   03   03   03   03   03   03		-35 -30 -25	IS OF DEBITED VERTICA FOR THE ROUTE SET  LIMENDORF APP. AL  MOD VOROTA AB., JAPA FOR THE MONTH OF SEPTEMB  NON-STORM CONDITION  STORM COMBITTOM	eem assa wa is to the control of the	1 0071000 1 -5 -5 1 7 4 14 15 15 15 15 15 15 15 15 15 15 15 15 15	PT./SEC.1				
6100, FT3 684,6W 1 1 T0 2 2 T0 2 3 T0 1,1 13 T0 2:2,10 12 15 T0 2:2,10 22 25 T0 3,10 16 T0 14 160C FT3 684,0W 1 160C FT3 17 T0 1,1 16 T0 15 15 T0 2,1 16 T0 15 15 T0 2,1 16 T0 15 15 T0 2,1 15 T0 2,1 16 T0 15 15 T0 2,1	Fine value (1998) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-35 -30 -25	IS OF DEBITED VERTICA FOR THE ROUTE SET  LIMENDORF APP. AL  MOD VOROTA AB., JAPA FOR THE MONTH OF SEPTEMB  NON-STORM CONDITION  STORM COMBITTOM	eem assa wa is to the control of the	2 6 1 7 4 14 15 15 15 15 15 15 15 15 15 15 15 15 15	PT./SEC.1 PT./SEC.1 PT./SEC.1				
61-02- FT2 68-04-1 1 70 2 2 70 5 5 70 1) 13 70 13 15 70 27 2- 70 25 25 70 30 35 70 35 40742 35 70744  ALTITUME 1100C FT8 2 70 5 2 70 5 3 70 15 15 70 25 27 70 25 27 70 25 27 70 25 27 70 35	Fine value (1998) 1999 1999 1999 1999 1999 1999 1999		-35 -30 -25	IS OF DEBITED VERTICA FOR THE ROUTE SET  LIMENDORF APP. AL  MOD VOROTA AB., JAPA FOR THE MONTH OF SEPTEMB  NON-STORM CONDITION  STORM COMBITTOM	eem assa wa is to the control of the	2 6 1 7 4 14 15 15 15 15 15 15 15 15 15 15 15 15 15	PT./SEC.1 PT./SEC.1 PT./SEC.1				
6100. FT3 684.60 1 1 T0 2 2 T0 2 2 T0 10 13 T0 11 15 T0 2 2 T0 3 25 T0 30 35 T0 30 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 48676 35 4	Fine value (100mm ) mg (100mm		-35 -30 -25	IS OF DEBITED VERTICA FOR THE ROUTE SET  LIMENDORF APP. AL  MOD VOROTA AB., JAPA FOR THE MONTH OF SEPTEMB  NON-STORM CONDITION  STORM COMBITTOM	eem assa wa is to the control of the	2 6 1 7 4 14 15 15 15 15 15 15 15 15 15 15 15 15 15	PT./SEC.1 PT./SEC.1 PT./SEC.1				
ALTITUME 1100 PP 2 T0 2 2 T0 2 3 T0 10 12 T0 12 15 T0 2 2 T0 3 15 T0 2 2 T0 3 15 T0 3	Fine value (100mm ) mg (100mm		-35 -30 -25	IS OF DEBITED VERTICA FOR THE ROUTE SET  LIMENDORF APP. AL  MOD VOROTA AB., JAPA FOR THE MONTH OF SEPTEMB  NON-STORM CONDITION  STORM COMBITTOM	eem assa 4 4 5 5 5 5 5 5 5 6 6 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 7 8	1	2 2 7 97./56C.1 •7.5 •10 1				
ALTITUDE	Fine value (100 to 100		-35 -36 -25	15 OF DERIVED VERTICA FOR THE ROUTE SET  LIMENDORF APP. AL  MOD VOROTA AB., JAPA FOR THE  MOTHLO OF SEPTEMB  NON-STORM CONDITION  270 -17.5 -15 -22.5  270AM COMBITTOM  -2C -17.5 -15 -12.5	eem assa wa sa	1	**************************************	•12.5	ols •17.5	- <b>23</b> - 23	• >> • > • > • > • > • > • • • • • • •
684.60 1 1 70 2 2 70 2 5 70 1,1 13 70 2;2 7, 70 2;3, 70 2;3, 70 2;3 23 70 3,3 48742 3;4 100C P10 684.00 1 14 70 1;5 15 70 2;2 2 70 3 2 70 3 3 70 1;6 10 1;7 10 2;7 10 1;7 10 2;7 10 1;7 10 2;7 10 3;7 10 4;7 10	Fire value (1998) 91 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998) 19 (1998		-35 -30 -25 -35 -3, -25	S OF DEBITED VERTICAL FOR THE ROUTE SET ELMENBORF APP. AL MOD VORDTA AB., JAPA FOR THE MOUNT OF SETEMB NOU-STOUN CONDITI -20 -17.5 -15 -22.5 STORN COMBITTOM -PC -17.5 -15 -12.5	eem assa wa sa	1	2	•12.5	ols •17.5	- <b>23</b> - 23	• >> • > • > • > • > • > • • • • • • •
100   FT	Fire value (1998) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-35 -36 -25	15 OF DERIVED VERTICA FOR THE ROUTE SET  LIMENDORF APP. AL  MOD VOROTA AB., JAPA FOR THE  MOTHLO OF SEPTEMB  NON-STORM CONDITION  270 -17.5 -15 -22.5  270AM COMBITTOM  -2C -17.5 -15 -12.5	eem assa wa sa	1	PT./SEC.1  PT./SEC.1  PT./SEC.1  PT./SEC.1	•12.5	ols •17.5	- <b>23</b> - 23	• >> • > • > • > • > • > • • • • • • •
ALTITUME  ALTITU	Fire value (1998) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-35 -36 -25	15 OF DERIVED VERTICA FOR THE ROUTE SET  LIMENDORF APP. AL  MOD VOROTA AB., JAPA FOR THE  MOTHLO OF SEPTEMB  NON-STORM CONDITION  270 -17.5 -15 -22.5  270AM COMBITTOM  -2C -17.5 -15 -12.5	eem assa wa sa	1	PT./SEC.1  PT./SEC.1  PT./SEC.1  PT./SEC.1	•12.5	ols •17.5	- <b>23</b> - 23	• >> • > • > • > • > • > • • • • • • •
100   FT	Fire value (1998) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-35 -30 -25	15 OF DERIVED VERTICA FOR THE ROUTE SET  LIMENDORF APP. AL  MOD VOROTA AB., JAPA FOR THE  MOTHLO OF SEPTEMB  NON-STORM CONDITION  270 -17.5 -15 -22.5  270AM COMBITTOM  -2C -17.5 -15 -12.5	eem assa wa sa	1	PT./SEC.1  PT./SEC.1  PT./SEC.1  PT./SEC.1	•12.5	ols •17.5	- <b>23</b> - 23	• >> • > • > • > • > • > • • • • • • •

## TABLE DISM DISTRIBUTIONS OF DERIVED VENTICAL SURT VENDETTY PER THE ROUTE SETURES BOTTA AND, DELASARE AND CHARLESTON ME/MUNI. SOUTH CARGLINA

ALTITURE	11=	MAUTICAL	101 M					VOE	DIST	A F BUT	104	PT./1	EC.)						
(1030 FT)	IHOURS !	MILES	PEARS	-35 -30 -25	-20 -17.5	-15 -	12.5	-19	-7.5	-9	.5	.7.5	-10	.15.3	+15	17.5	.50	+25	.33 .35
BELOW 1	٥.		0																
1 10 5		3.	9																
2 10 5	6.	٦.	•																
5 70 1.	J.	J.																	
19 10 15	G.	3.																	
12 10 5:	1 5	305.2	3								3								
26 10 15	5.25	896.9	93						3	14	35	•							
52 40 30	3.39	1345.7	17						ı	•	•								
30 10 35	3.93	1727.3	•						ı		•								
ABOVE 31	4.29	2073.0									3	1							
TOTAL	10.01	7613.0	•						3	34	25	1							
					STORR	COMOT	1045												
AL T1TUDE	1146	MAUTICAL	TOTAL					-				FT./5							
(197; FT)			PEARS	-15 -10 -25	-20 -17.5	-19 -1		-10	-7.3	-5		.7.5		412.5	.14	.17.5			. 33 . 35
BELDE I	v. 74	107.5	165	-11 -10 -54	- 20 -113	-13 -	3	10		11		33	10	****	7		-20	***	****
1 70 7	1.20	193.9	105				i	• • •	- "		**	33	٠,	;					
2 10 >	2.30	104.2	243				i	5	15	71	•	33	10		•				
1 10 1.	1.10	357.6	65				•		•;	ii	20	15	- 17	ī	1				
16 10 15	1.32	249.7	24						3		13		•	•	•				
15 10 20		20.1	3						•	•	• • •								
26 10 25	1.43	529.9	61						1	19	39	3							
25 10 10	70	132.7	12						i	•	7	1							
30 10 35	1.97	834 . 8	22						i	•	12	•							
ABOVE 15	22	76.9	ï						•		1								
TOTAL	192	1105.4	755				•	54	14	584	mi	114	34	15	3	1			
					STOM P	LUS NO	-110												
	1100	41.2.2.2.1																	
LIBC: FT	TIME	MILES	PEARS	-15 -35 -25	- 30 -17 4	-11 -1		UDE		-5		FT./8			-10			. 20	-10 -15
BELDU L	74	137.5	165	-13 -30 -53	-56 -11.53	-13 -1	3	13	36	33	44	"	10	*12;	.,5	1			
1 10 2	1.20	193.9	145				i	.:	45	49	45	33		;	:				
2 10 5	2.34	504.2	240				i	10	13	71	**	33	13	•	•				
3 10 1	1.10	357.6	45					12	17	i	23	13	13	i	1				
IC 10 15	1.52	343.7	24					•	- 5	''	13	- 1-	•	•					
15 10 2:	1.14	413.3	S						,	•	';								
20 10 25	3.40	1420.0	115						•	32	71	,							
25 TO 30	3.79	1444.5	29						- }	*	13	,							
30 10 35	5.90	2364.1	31						•	11	10	•							
ABDVE 35	4.51	2775.5	- 7;						-	';		1							
TOTAL	27.55	10331.3	**3				•	2+	41	233	343	ızi	34	15	•	1			

# TABLE DISS DISTAIDUTIONS OF DESIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETURES COME AND DELAMME AND CHARLESTON WENNELD SOUTH CANGLINA FOR THE BITTER SEASON

							-1		4 4500												
						Ne	012-10	44 (	(WD111	ONS											
ALTITUDE 110 FT) 00LOU L	(HOURS )	١.	TOTAL PEAKS	- 15	-30 -25	- 20	-17.5	-11	-12.5					161./1 •7.5		•12.5	-15	•17.1	-50	•55	•13 •35
\$ 10 5 \$ 10 5 \$ 10 15	5.	;; ;;																			
25 10 25	J. 96	33>.3	43								1	10	30	•					•	;	
30 TO 31	1.50	496.3	1								1	3		•							
1014	9.97	4179.1	72								3	17	••	•							
							\$ TORM	COM	017104	\$											
ALTITUDE	TIME '	MILES	TOTAL	- 3 4	-111	- 12	-12.5	-19	-12.5		0151	1 10UT	104	17./3	*C.1	. 14.5		+17.5		•23	•32 •39
8 2L Ow 1	U.72	41.3	95	-		- • •			3	1	10	17	15	17	13	3	1		•	-4,	
2 to 3	1.52	157.3	553						L	19	13	10	13	13	10	t	1				
19 10 15		163.7 20.1 529.9	3									10	1								
25 10 3.	.70	332.7	12 22								1	1	30	ì							
400VE 35	1.90	2575.3	337						•	22	42	157	m	79	24	14	٠				
						\$1	-	LUS	MD4-57	inn											
ALTITUDE (1800 FT)	INCURS 1	MILES	PEARS	-35	-30 -25	-50	-17.5	-15	-12.5	- 10	01 57 -7.5	R 1001		(FT./3	ec.;	.12.5	-15	.17.5	. 23	•25	•39 •35
1 10 2	3.30	112-1	91						3		16	23	13	17	13	3	1				
3 70 13	1.52	306.4 157.3 163.7	223							10	13	12	94 15	13	10	i	ı				
15 TO 23 20 TO 25	3.54	200.3	100								2	20	••	,							
25 10 33 30 10 33	3.47	1407.1	31								5	11	13	3							
400VE 35	17.95	4754.4	650						٠	28	45	167	257	85	29	14	•				

# TABLE Disc DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETWEEN EOVER APS, DELAMARE AND CHARLEST 'N AFFIRMIT, SOUTH CAROLINA FOR THE SPRING SEASON NON-STORM COMBITIONS

							04-51	DAM C	D40   T	046											
ALTITUDE (1836 FT) 96LDw 1 1 TO 2 2 TO 3	IMOURS	3.	PEARS	-35 -3	o -25	-50	-17.	-15	-12.5	-10	015T	-1	*3	7.5	•10	•12.5	•15	•17.5	• 23	•53	•33 •35
5 TO 1) 10 TO 15 15 TO 2	0.	3. 3. 186.3	3 6 0																		
25 TO 25 25 TO 33 25 TO 35	3.95	474.5 417.0 709.4	1										1								
1014L	4,29	1054.4	ĭ										1								
							STOR	CON	DE T 104	-											
ALTITUDE (1000 FT) 00LDW 1	CHOURS	54.0	PEALS 65	-35 -3	0 -52	- 20	-17.	-15	-12.5		-7.5	-5 14	55	14	-10		•15	•17.5	•50	•52	•13 •15
1 70 2 2 10 3 3 10 1:	46	11.4.6	14								;	*	13	10		1					
15 TO 25 25 TO 35 25 TO 35	: 37	130.0	13								١	2	•								
33 TO 39 400vE 35 TOTAL		3. 0. 493.7	167							,	11	•	•7	35	•						
151177	****						70 <b>00</b> (	e ut	104-57							-					
ALTITURE"		AUTICAL PILCS	-	-35 -3	-35				-12.5	UDE	91311	1001				•12.5	•15	•17.5	. 20	•25	•32 •35
001.0m 1 1 10 2 2 10 5	37	36.0 64.6 113.2	65 71 16	-,, -,	4,		-1	, -,,	-14.5	ž	;	10	22 27 10	10	•	1	•••	i	•••		
5 TO Lo 15 TO Lo 15 TO 23		124.0	1.								i	2	ļ	1							
24 to 25 25 to 35 36 to 35	1.17	474.3 417.3 780.4	3										ı								
101AL	0.35	2323.2	144							2	11	44	••	35	•	ı		ı			
				DESTAI	NITUR	s of		BLE 180 VI		GUS"	MILE	KITY									
					CHA			440	. 5001		101 144										
								en si													
ALTITUDE	1196	VANTICAL	TOTAL						>+01710	UDE	01571	10011	( <b>0</b> = 17	1./9	<b>(,</b> )						
1103C FT1 60,00 1 1 70 2	INDUAS	1 Maces	PLAKS	-35 -3	: -24	- 20	-17.5	-19	-12.5	-18	7,1	-5	•5 •	7.5	• 10	.13.5	•15	• 17.5	•50	•25	• 1) • 15
3 TO 3 3 TO 1. 10 TO 13	::	 																			
20 10 25 20 10 3.	: .22	80.3 89.3 313.4									1	ė i	1								
50 10 35 480VF 35 1014L	2.35	227.6	5								2	5	1	ŀ							
							\$100F	CON	111045	1											
4.11100E	INDUAS	HILES.	101 ML	-31 -3	o -25	-x	-17.5	-15	-12.5			-3				12.5	-15	17.5	•89	• 24	•32 •35
1 fu 2 2 fo 3 3 fu 1,		17.1	1								1	1	i		٠		•				
13 10 13 15 10 25 25 10 25		32.3	11								i	•	i								
25 TO 33 33 TO 35 480YE 33		). ).	:																		
10141		225.5	31								)	13	13		1		ı				
at FITURE	1 (96	INTICAL	TOTAL						104- S TO	unt	01514	INT	On 19	1./5	c.1						
110. FT1 66.0m 1 1 T0 2	1.37	12.5 17.1	PLARS	-35 -3	· -25	-5:	-17.1	-15	-12.5	-10	7.5	• •	3	1.3	10	12.5	•15 L	17. 9	•50	•21	• 3> • 35
2 TO 1 1 TO 1.	19	97.4	1 13 11								l 2	1	;								
20 10 25 25 10 3	22	04.3 09.3	;								2	•	2								
30 13 35 ABOVE 35 101AL	3.23	207.4 225.4 1251.0	3								,	5 5	2	ì	1		1				

### TABLE DISBISTRIPHTIMS OF DERIVED VENTICAL SUST VOLCCITY FOR THE "BUTE BETWEEN BIVER APE, DELAMARE

### CHARLESTON MEMBERS, SOUTH CAROLINA

### 2/01710/02 PRUTZ-40#

ALTITUDE	1196	JASTTUAL"	TOTAL								· whi	0151		1100	FT./	S#C.1						
11056 FT1			PEARS	-35 -30	-24	- 26	-17-9	1	S -13	<b>.</b> .	-10	-7.5	- 4			+10	+12.5		. 17	.5 +20	+ 25	.33 .35
BELD- 1	44	3.		-33 -30	-47	-44				•••											•	
1 10 3			•																			
	٠.		- 1																			
2 10 5	• •	ą.	6																			
5 TO 10	••	<u>.</u>	- 1																			
10 10 15			,																			
15 to 2.	29	134.5																				
2- 10 25	43	144.7	ı										_	Ļ								
25 10 3.	1.10	495.L	•										7	3								
36 TU 35	1.27	\$49.6	•									l.		•								
ABOVE 35	5.75	2423.7	1											1								
TOTAL		3743.6	15									ı	•	19								
							STOR		-017	104	\$											
ALTITUDE	3011	AMPTICAL	TOTAL								uN	0155	1 1 044	104	91.7	B C . 3						
1133E FT1			PLACE	-35 -3.	-25	- 2.	-17.5		1 1				-5		.7.5	• 19	.12.5	+15	. 17	. 5 . 23	+25	.33 .35
OEL Du 1		22.5	51	- ,, - ,,	,	- 4 -		•		ï			•	11	11		1	• •	•			
1 10 1	25	47.0	17							•	•	ī	3	is	ï	ž	•					
2 10 3	)	144.5	129							ı		11	39	43	17		3					
5 to 1	2 0	9	23							•					7	•	-					
10 10 15	20	91.7	• 1									•	•	•	•							
15 10 20		3.	•										•									
23 10 25	1		į.																			
25 10 3	••	3.	•																			
33 10 35		<b>3.</b>	- ;																			
ABOVE 35		3.																				
TOTAL	1.02	392.9	223							2	14	52	99	12	34	14	•					
						\$	-	4.05	104	-5 16	200											
44.111u0f	71=0	-AUTICAL	TOTAL								une	0151		104 (		MC.)						
11322 FT1			PEARS	-35 -K	-25	-50	-17.5	-1	5 -12	1.5			-5	. 5	.7.5	.10	.12.5	+15	+17.	.5 +23	.53	+18 +35
BEL Du 1	10	22.5	91				•			ì	•		•	11	11		1					
1 70 2	23	43.8	17							-		1	3	10	1	2						
2 10 5	1.03	144.5	120							1		L i	39	43	17	•	3					
5 TU 1.	24		25							•	2				. 1							
15 10 15	20	92.7	7								-	-	2									
15 70 23	( . 29	134.5	5																			
25 TO 25	6.43	160.7	1																			
25 10 30	1.16	445.1	•										3	5								
34 10 35	1.27	549.4	•																			
AROVE 35	5.75	2 425.7	i									•		ĭ								
TOTAL	153	4134.5	230							2	14	53	6.3	6.5	34	14	•					
									DIA													
				DISTRIM	DIE	12 CIP	DERLA	40	4441	C 46	ent	44.	OC 11.									

## TABLE DIM OISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROLLE BELLETH DOWN ATR, DELAWAGE AND CHARLESTON AND/MURI, SOUTH CAROLINA FOR THE

							w	04-17	04=	1110+01	lens.											
ALTETUNE		MILES	-	-35	-12	-25	-26	-17.	<b>.</b> -1	9 -12-5	Une -10	015	78 10 U	110%	1/1./	Sec. 1	+12.5	•15	-17.	. 5 - 23	•25	+36 +35
PEL Du						•																
1 10 5			ذ																			
2 10 5		3.	- E																			
1 IU 12			_																			
1. 10 15			3																			
15 10 2.	v. 19	67.9	3																			
23 10 25		104.6	44										10	2 +	;							
25 10 3.		12	1.									1	,		- 2							
3. 10 35	1.27	100.7																				
ABDVE 35	**	4.	j																			
ATOTAL	1.74	435.5	57									2	13	34								
								5.7.00	- (0	<b>w</b> 1110*												
ALTITUDE	1140	HAUTICAL	TOTAL								1004	015	1818u	TION	101./	SEC.1						
11300 FT1			PRACS	-33	-32	-23	- 21	-17-	9 -15	-12.5					.7.5		+12.5	.15	. 17.	.5 .23	.53	.33 .35
884.00 1		19.0	- 04						-								4	- L				
1 10 2		71.3	74							5	2		22	27	- 11		. 2	- 3				
2 10 1		159.9								•	2	2	22	27	11	2	1					
5 70 10	3.22	66.8	24									9	4	7			1	- 1				
10 to 15	55	71.1												1								
15 10 2		20.1																				
N 10 25	1.43	329.9	6.1									1	19	3.9								
25 TO 3.	13	1.506	1.5									1	19	7	1							
3. 10 35	1.97	034.0	2.2									ī		1.2								
AROVE 35	4.22	96.9	1											1								
TOTAL	. 30	5 105 .4	134							•	•	×	9.1	100	43	13	13	•				
							51	104=	PLUS	HON-51	ron a											
ALTERNOP	1106	MAUTECAL	POTAL								UDI	011	1110		IF 1./	Sec. 1				0.0		
11030 711			PEARS	-39	-3.	-25	-20	-17.5	8 - 8	-12.5	-10							+15	.17.	. 7 +23	. 53	+13 +35
0ft3= 1	6.14	10.0	-													7		l.				

ALTITUDE	1100	MAUTICAL	POTAL											1 7 . / 1							
11030 711	INDUAS 1	-ILES	PEARS	-34 -3-	-25 -	-20 -1	7.5	- 15 -	-12.9	-10	-7.5	-9		.7.5	.14	+12.5	+15	.17. 9	.53	+23	+13 +35
ofton 1	6.14	10.0	- 44										•		7	•	1				
1 40 5	6	71.3	74						2			5.5	21	11			2				
5 40 P	. 09	150.0	95								8	27	41	10	•	3					
5 FO L.	4.25		24								3		,	•	2	ı	- 1				
13 10 15	55	71.1	1										l.								
1> 10 5.	27	96.3											3								
\$ 10 32	1.84	694.5	105									5.0	4.0	7							
25 TU 33	U. 93	431.0	55									•	11	3							
30 TU 35	2.20	937.4	35								L		12								
VOOAE 32	22	96.1	1										L								
TOTAL	7.42	2017.9	301						•		2.2	134	175	4.9	1.5	10	•				

# TABLE DIGG DISTRIBUTIONS OF DERIVED VERTICAL BUST VERBCITY FOR THE BOUTE DELAMARE BOYER AFE, DELAMARE AND CHARLESTON AFBURNIT, SOUTH CAROLINA FOR THE ROWTH OF AFRIL

				100-5700A CONSTT	-					
A 71 Tube 11003 PT1 64L6W 1 1 10 2 2 70 5 5 70 12 12 10 15 15 10 25 20 70 25 20 70 25 20 70 25 20 70 25 30 70 25	TIME NAME TO A LOSS OF	TOT ML PEAKS	-15 -50 -25	-29 -17.5 -16 -12.9		igarión (i ng og (		*12.5 *11	17.3 -20	•25 •13 •35
				57000 C000171001						
ALTITUDE (1864 FT) (80,00 7) (170 2 2 1F 5 5 70 15 16 10 15 16 10 25 26 70 25 25 70 35 AMOVE 35 101M.	TIME NAMES 6:17 28.6 6:17 28.6 6:19 46.3 6:19 46.3 6:19 45.3 6:19 45.4 6: 3. 6: 3. 7. 7. 7. 7. 7. 7. 7. 7.	PEARS  1 12 3 13 13 13 14	-35 -36 -25	-20 -17.5 -15 -12.5		taurion (f		*12.5 *15	*17.5 *20	*25 *33 *35
				57000 PLUS NOW-570	AA					
ALTITUDE. (1900 FT) 8210m 1 1 TO 2 2 TO 5 5 TO 13 10 TO 15 15 TO 23 24 TO 25 25 TO 35 ABOVE 35 TOTAL	TIME : : : : : : : : : : : : : : : : : : :	TOTAL PEARS 8 1 1 32 3 10 0 C C 0 0 34	-15 -30 -25	-26 -17.5 -15 -12.5		10UTION IP -3 •3 • 1 5 1 10 1 2 7		•12.9 •19	+17.5 +20	*25 *36 *35
1 70 2 2 70 5 5 70 13 10 10 15	FIRE CAMPICAL INDUSTS OF STATE	FOTAL PEAKS	CHAR	TABLE DISS OF PERIVED VERTICAL FOR THE ROUTE BETWE BOVER APS. DELAWS AND MESTON AFBITMENT, SOUT POR THE MONISTONE CONDITIO -20 -17.5 -15 -12.5	EM RE H CAMBLINA HS - UDE DISTRI	taution (f	f./SeC.) f.5 •13	•12.5 •19	*17 <b>.5</b> *29	•25 •33 •15
26 10 25	2.19 72.1 27 09.1					_				
25 10 37 32 10 35 460VE 35 1014L	1.12 400.7 1.13 22.4 2.03 1050.3	1				1				
				STORE COMPITIONS						
ALTITUME F103C PF1 98c Ou 1 1 TO 2 2 TO 5 9 TO 1 13 TO 15 13 TO 20 23 TO 25 25 TO 3 30 TO 35 480VC 35 TOTAL	TIME SAUTICAL COMMENTS MILES	101AL PEAGS 57 72 6 0 0	-19 -20 -25	-29 -17.5 -15 -12.5	* ;	15 17	7.5 +18		17.9 *25	•21 •13 •15
				5104# PLUS MON-5104						
ALTITUDE (1900 FT) 441.00 I 1 TO 2 2 TO 5 5 TU 10 15 TO 20 20 TO 20 20 TO 20 4000°C 35 TOTAL	TIME NAUTICAL (1000AS) MILES	PERS ST TZ G G G G G G G G G G G G G G G G G G	-35 -36 -25	-2C -17.9 -19 -12.9 ·	ubt 0(51e) -10 -7.5 2 4 3		7.5 -10	1	•17.5 •20 i	•25 •39 •35

### TABLE DISC DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE DETWERN

### HARLESTON APRIMUMI, SOUTH CAROLINA FOR THE

### 200111000 C000111005

				100-5700 CO1017	lons								
1 10 1	TIME VAUTICAL (HOURS) MILES 0. 0. 0. C. 0.	PEARS	-35 -34 -25	-26 -17.5 -15 -12.	UDE DIST	-5	10m (F	7./SEC.1 7.5 +10	•12.5	•15 •17.	3 •29	•25	*30 *35
3 TO 1, 10 TO 15 13 TO 25 20 TO 25 25 TO 30 30 TO 35	C. 3. 0.22 63.5 0.29 6C.3 C.71 315.7 U.37 29.1	3 6 8 2				i	2						
ABOVE 35	1.40 225.4	15			2	2	2	i i					
ALTITUDE	TIME NAGICAL	1014		STORM COMDITION	43. - UDE 01514	TUBLE	104 IF	T./SEC.1					
	(HOURS) MILES C-36 9.2 U-13 16.3 C-27 59.3	PEAKS	-35 -30 -25	-20 -17.5 -15 -12.	5 -10 -7.5	-5	.,	7.5 -19	•12.5	•15 •17.	•50	• 25	•13 •35
5 TO 10 10 TO 15 15 TO 27 20 TO 25	6.17 55.5 0.13 43.7 0. 3.	11 11 3			1 2	:	•						
25 TO 30 30 TO 35 480YE 35 TOTAL	3. 3. 6. 3. 73 103.0	37			: 3	12	12						
				STORM PLUS NOM-S'	rga m								
ALTITUOS	TIME MAUTICAL	1014			UDE 01579	i i i ji i	ion 15	1./SEC.)					
0610w 1 1 TO 2	(HOURS) MILES 6.36 9.2 5.17 (6.3	PEARS	-35 -30 -25	-20 -17.5 -15 -12.	5 -12 -7.5	-5	2	7.5 -13	•12.3	•15 •17.	• • 23	• 25	*33 *35
2 TD 5	0.17 55.3 0.17 55.5	13			1	•	•						
10 TO 15 15 TO 2.	1.22 63.5	11			2	٠	5 2						
25 TO 33 30 TO 35	6.20 65.0 6.71 313.7 5.37 20.1	2				i	i						
1014L	2.40 225.4	*3			5	19	17	1					
			WALLES	TABLE DIAS  VS DF DERIVED VERTIC  FOR TWO SMULTE BETT  DOVER AFB. DELAN  AND  RLESTON AFB/MANI, SO  ROMTH OF AMGUS  NON-STORM COMBIT!	HEEN HARE UTH CARGE, ENI T								
ALTITUDE	TIME MONTICAL	TOTAL PEAES	-11 -12 -21	-20 -17.5 -15 -12.5	VOE 01510	10011		1./SEC.1	•12.5	+15 +17.5	• 20	23	+33 + 25
1 70 2	). (. ).	Š											
2 TO 5 5 TO 10 10 TO 15		3											
15 TO 23 20 TO 25	0.32 4.0	9											
30 TO 35	3.50 250.5 0. 3.												
TOTAL	6.67 293.5	ě											
				STORE COMMITTEE	4								
4 TITURE	INDUASI MILES		-35 -53 -25	-20 -17.5 -15 -12.5	une 01516 1-19 -7.5	-5		7.5 -10	.17.5		- 20: -	25	•11 •35
1 10 2	6.31 1.3 0.00 0.0 0.11 30.1	) i				1	ì	ı		1			
10 10 10	2.91 4.9 2.32 6.3	è				•							
15 TO 2. 20 TO 25 25 TO 30	·												
30 10 35 400VE 35	0. 3. (. 4.												
TOTAL	C-10 49.5	•				1	ì	1		1			
				STORP PLUS NEW-ST									
44 11 TUDE (1000 PT)	TIME MAUTICAL	PERS	-35 -10 -25	-20 -17.5 -15 -12.5	unt 01579	-1		7.5 -10	12.5	*15 *17.5	-10 -	25	**> **
1 10 2	U.31 1.0 U.30 0.0 U.11 34.3	3				ı	1	1		•			
5 TO 13	6.31 4.9					·							
25 TO 25 25 TO 25	6.32 6.3 6.33 19.6	3											
	0.35 19.6 1.50 250.5												

## TABLE Disa DISTRIBUTIONS OF DERIVED VENTICAL GUST VELOCITY FOR THE ROUTE BETWEEN BOVER AFF, DELEMARE AND CMATERUROUS AS, PRANCE

			NON-STORM CO.	1011 1045					
ALTITUDE TIME YAM (1000 PT) (WDMS) H ORLOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 23 15 TO 23 15 TO 23	ILES PEARS  3. 3  3. 0  3. 0  3. 0  3. 0  3. 0	-35 -30 -25	-20 -17.5 -15	ume pi -12.5 -10 -7.	STR  BUT   3 -3	04 (FT./SEC.) +5 +7.5 +15	, 9 •12.5 •15 •	17.5 •29 •25	*30 *35
25 10 3: U.BA 30 70 35 3:54 1: ABOVE 35 33:37 15	311.0 0 353.1 0 577.0 1 196.1 35 651.4 36				:	22 3	1		
			STORM COND	T LOWS					
(1800 PT) (HOURS) M.	TICAL TOTAL TLES PEARS 34.1 40	-15 -30 -25	-20 -17.5 -15	12.5 -10 -7.	STRIBUTH		-12.5 -15 -	17.5 -29 -25	•39 •35
1 TO 2 0.34 2 TO 5 0.57 1 5 TO 16 0.35	95.2 8 194.1 10 105.4 6 150.7 5 0. 0 0. 0				: :	1 1 1	•		
ABOVE 35 L.	9. 9 479.5 72			1 6 1	0 13	22 + 4			
			STORM PLUS NO						
(1800 FT) (HOURS) W	TICAL TOTAL ILES PEARS 34.1 40	-35 -30 -25	-20 -17.5 -15 -	12.5 -10 -7.	\$78100710 \$ -5	M (FT./SEC.) *5 *7.5 *10 7 5 5	*12.5 *15 *1	17.5 -20 -25	*12 *35
1 TO 2 1.34 2 TO 5 G.57   5 TO 1: 6.35   10 TO 1: 5.46   15 T. 2: G.57   20 TO 75 6.79	\$5.2 8 134.1 18 135.4 6 150.7 0 212.6 0 311.8 0				1 1	2 2 1 1	-		
30 10 5 3.54 15 AROVE 5 33.37 151	377.0 1 196.1 35 130.9 100			1 4 1	. zi	23 44 12 4	1 5 1		
		DE STREBUTEONE	TABLE I OF DERIVED WE FOR THE ROUTE BOVER AFB. E AND CHATEAUROUS AI FOR THE WINTER SEA	TICAL GUST V BETWEEN ELAWARE , FRANCE SON	<b>€</b> L0C1T∀				
ALTITUM TIME			NON-STORM CON	V06 01	\$79   BUT   C	M (FT./SEC.)			
25 TO 25 79 1 25 TO 33 6.64 1 30 TO 31 3.56 13	5. 0 0. 0 3. 0 6. 6 112.6 0 111.8 2 159.1 3	-35 -3: -25	-20 -17.5 -15 -	12.5 -10 -7.		1	•12.5 •15 •1	17.5 •23 •25	•30 •35
	196.1 35					23 }	i i		
ALTITUDE TIME NAVE	ICAL TOTAL		STORM COMPI			m (PT./SEC.)			
11900 FT1 (**Out51 **) 08.00 1 - **/2 1 70 2 C.36 2 70 3 C.37 1 5 70 10 2.35 1 10 70 15 U.46 1 15 70 20 0. 20 70 25 5.		-35 -30 -25	-26 -17.9 -19 -	1 5			+12.5 +15 +1	17.5 •28 •25	•33 • 35
400vt 31 C.	72.5			1 • 1	. 13	22 • •	• 1		
			STORP PLUS NO	0-57 (MP					
BFLOW 1 3.24	145 PEALS	-35 -36 -25	-20 -17.5 -15 -	12.9 -10 -7.	1110UT10	191./SEC.1		1.5 -29 -25	• 10 • 25
1 70 214 2 70 5 6.57 1 5 70 10 6.35 1 10 70 15 8.44 1 15 70 27 6.57 2 20 70 25 8.79 2 25 70 30 3.84 3 30 70 25 3.34 3	99.2 8 30.1 18 99.0 6 99.7 3 112.6 8 112.6 8 112.6 8 177.8 1 177.8 1				1 1	1 1 1	1		
TOTAL 11.12 101	30.9 100			1 • 1		4 11 .	, ı		

377

# TABLE DISC DISTRIBUTIONS OF DERIVER VERTICAL GUST VOLUCITY FOR THE GOLFE DETAMPS BOYER AND, DELAMAE AND CHATEAUROUE AD, PRANCE FOR THE ROTTH OF JAMUARY

DASSIE	TOTAL				RIBUTION (FT./			
PILES	PEARS	-35 -30 -55	-20 -17.5 ~1	5 -12.5 -10 -7.5	-5 -5 -7.5	+10 +12.5 +15 4	17.5 -23 -25	• 31
• •	- 2							
3.								
э.	3							
• •	ě							

2 11 1 2 12 1

AL TITUDE	TIME	CAUTICAL	TOTAL						une	0151	ALBUT	104	( 7.7	SEC.1						
11336 FT1	EHDURS!	AILES	PFAKS	-15 -3: -25	-20	-11.	5 -15	-12.5	-10	-7.5	-5		.7.5	+19	+12.5	.15	+17.	5 -20	+25	+13 +35
BELOW 1	2.19	27.1	34					1	5		•		3	3	3	1				
1 0 1	24	35.0								1	3	2	2			-				
2 10 5	4.44	94.7	11						1	i	3		ì	1						
5 10 1.	4.24	79.3							-	-	_		i							
13 FO 15	J. 34	110.1	3										_							
15 10 2																				
25 TU 25																				
25 10 37			3																	
N: 10 35	. ·																			
ABOVE IN		3.	•																	
TOTAL	1.45	142.0	5.0						•	1.0	10	14								

					#10mm															
ALTITUDE.	1146	JAST TUAL	TOTAL					UDE	0157	4 1 BUT	104 (	F1./5	ec.1							
(1800 FT)	I HOURS	MILES	PEARS	-35 -3: -25	-20 -17.9	-15 -1	2.5	-10	-7.5	-5	• 5	.7.3	•10	.12.5	.13	.17.5	• 23	.25	+30 +31	
BELDY 1	3.10	27.1	34					5		4		3	3		- 1			-		
1 10 2	6.50	35.6							1	3	2	2	_		_					
2 10 5	2.64	96.7	11					1	i	1		1	1							
5 10 12	2 4	73.3	5					-	-	-		i	-							
12 10 15	34	111										-								
29 49 24	L.42	147.6	3																	
25 14 25	2	244.5	į																	
25 10 30	: . 62	263.3	40																	
3C TO 35	1.79	794.1	1								- 1									
ABOVE 35	25.95	11 924.9	19							,				1						
TOTAL	1	11771.1	34								- ::	- :								

## TABLE DISS DISTRIBUTIONS OF DERIVED WENTICAL GUST VELOCITY FOR THE COUTE STWEEN DOVER AND DELAMARE AND CHATEAUROUR AB, FRANCE FOR THE ROWEN DF FERRUARY

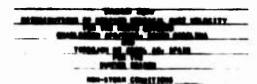
44 T1 TUBE		WILES	PEARS	
15033			L	5 -35 -3: -25 -26 -17.5 -15 -12.5 -1° -7.5 -5 -5 +1.5 +1.5 +12.5 +15 +17.5 +25 +25 +37 +37 +37
BOL On 1	ε.	٥.	3	
1 40 5	b.	٥.	3	
2 10 3	• •	٦.	÷	,
5 TO 1.	. •	6.		•
19 70 15	6.		3	)
12 40 5:	17	65.0	1	
20 10 25	17	65.3		<b>)</b>
25 TO 1:	: -55	93.2		A Company of the Comp
30 10 35	1.77	761.7	3	
460AE 34	7.42	3571.1	53	
101 M	9.75	4273.3	λ.	• 12 2

ALT I TUBE	TIPE	MUTTERL	TOTAL						UNE	DIST	TOUT	100	FT./5	EC.I						
11333 FT1	1-0-51	MILES	PEARS	-35 -32 -25	-20	-17.5	-15	-12.5	-10	-7.5	-3	+ 5	.7.5	-10	+12.5	. 11	 \$ +23	.25	•33 •	35
mer com 1	3 9	7.3	•									1		2	1					
1 10 5	12	19.4																		
5 to 5	6.14	35.5	7								3	•								
5 10 L.	: . 41	35.1	1									1								
1- 10 15	12	40.5																		
15 10 23	۲.																			
28 70 25	(.	\$.	3																	
21 10 P																				
3. TO 35		3.	9																	
ABOVE 35	U.		3																	
1014	v. 93	137.5	14								3	•	5	2	8					

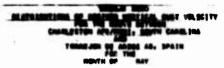
	****									30433			.11								
ATITUDE		WANT ICAL	TOTAL								E DEST										
11866 FT1	I HOURS	attes	PE 44 5	-35 -3	2 -52	- 20	-17.5	-19	-12.1	-10	-7.5	-9		.1.5	.19	.17.1	+15	+17.5	.50	. 25	+33 +38
DELUM !	03	7.0	•										4								
1 10 5	12	19.4	- L																		
5 40 4	8.14	35.5	7									•	•								
3 40 17	11	35.1	1										ı								
19 40 12	13	46.3																			
12 40 5	17	69.3	4																		
50 10 52	9.17	45.3	3																		
25 TO 30	9.55	. 63.5	3																		
33 70 35	1.77	761.7																			
400VE 35	7.42	3271.1	59									•		2							
TOTAL	16.20	4413.0	34									•	10	•	5	L					

### TABLE DIES OISTRIBUTIONS OF BERIVED VERIFICAL GOST VELOCITY FOR THE BOTTE BETWEEN CHARLESTON AFAIRMEN, SOUTH CAROLINA AND TORRESIN OF BARDS AR. SPAIR

						*	D=-510	MA CD	<b>-</b> 1110	ws.											
ALTITUDE (1800 FT) DELOW 1 1 TO 2 2 TO 5 5 TO 15	TIME IN		101 at Peacs	-35 -34	-H	-25	-17.9	-15				-5				•12.5	•19	*27.	- 20	•25	·12 ·15
15 TO 1> 15 TO 2> 20 TO 25 25 TO 3:	3.42 2.42	137.6 100.6 170.8	13					•		2	,	1	,				1		1		
30 TO 35 ABOVE 35 TOTAL	23.00	3629.3 8996.6 3898.8	34 86 127					1		,	;	37	30	1	l L	ı			ι		
ALTITUME	TIME NA	MTFC AL	T0144				5 TOR-	CONN	11005			TOUT									
110 c FT1 0Ft Du 1 1 TO 2 2 TO 5 5 TO 17 12 TO 15 15 TO 27 2t TO 25 25 TO 31	5.25 5.25 5.25 5.25 5.62 9.55	1165 9.8 0.3 04.6 116.9 100.3	Pt AES 41 17 29 16 10 2	-15 -30	-29	-#	-17.9	1		,		-9 3 7 3				1	•13		-20	•#	•33 •35
ABOVE 95	1.52	••1.•	110					1	1	•	1.2	10	• •	23	13	,	,				
			21077			5.7	-	LUS W	D-1700		uu.c.c		12.1								
113CL PT1 113CL PT1 1 T0 2	6	**LES	PEARS	-35 -3.	-25	- 80	-17.5	-19 -	12,5		7.5	-5 3	*	3:4	-10	-12.5	*15	-17.5	- 20	-25	•13 •35
2 70 5 5 70 1. 12 70 15 15 77 22	1.05 0.42 0.95	0.3 0.0 110.5 103.1 134.6	17 26 10 10					ı		,	;	3 7 3 7 1	12 7 7	1	į	ı	1		1		-
25 16 3. 35 16 3. 36 10 35	42	100.0	) )4									14	10	1	1	·	·		·		
1014			244					•	1	•	21	5	142	,	13	٠	٠	ı	1		
				0157416	CHAR	FOR ILESTIN	Part of the Part o	700/11 /70/01 /70 00 110 00 110	SOUTH	CAME SPAIN	R 194	C117									
ALT(TUBE (18., FT) 80, Rm 1 1 0, Rm 1 2 70 5 5 70 5 15 10 25 25 70 25 25 70 25 26 70 25 30 10 35 ABOVE 35 TOTAL	  6. 6.17 10 6.17 6.17	071CAL 01LES 3. 3. 4. 60.3 73.0 83.0 100.0	FUTAL PEARS 3 2 2 3 3 4 5 7		Cman	700 L ( 3 70) 7 0004	DER LY THE C IN AFO. JAN DI SPR ET	10 V11 00V11 /TUP11. 010 00 THE 00 SEA	SOUTH	**************************************	N. 194	t <b>e</b> w T I	On (F	7.754	(C.1) •12	•12.5	•15	•17.5	-20	·n	•33 •35
10 FT1 00.00 1 1 T0 2 2 T0 2 3 T0 1. 10 FU 15 15 FU 25 20 FU 25 20 FU 25 400VE 35 TOTAL	100,000 0 10 10 10 10 10 10 10 10 10 1	91LES 3. 3. 6. 5. 6.3 73.0 73.0 73.0 10.0	PEARS		Cman	FOR IL E 5 TUI T GRADE - 20	pealwriter	10 V11 00V11 /TUP11. 010 00 THE 00 SEA	TIONS	GAMESPAIR	N. 1944 9 9 9 9 9 9 9 9 9	: <b></b>	,	7.5	•13	•12. <b>5</b>	-15	•17.3	*20	*25	•33 •35
C10., F11  ORCHW 1  1 TO 2  2 TO 3  3 TO 2  2 TO 3  3 TO 10  4 TITHOR  11030 F13  1 TO 2  2 TO 3  3 TO 13  3 TO 13  3 TO 13  3 TO 13  3 TO 3	Time was temporary to the temporary to t	77:04 77:07 77:07 77:07 77:07 77:07 77:07 77:07 77:07 77:07 77:07 77:07 77:07	PEARS 20 21 21 21 21 21 21 22 22 23 27 21 20 20 20 20 20 20 20 20 20 20 20 20 20		-23	POR IL ESTO T GRADE - 20	pealwine pea	COMPI	TIONS	GAME GAME	N. 1944 P. D. 1574 7.9	( <b>0</b> 07)	,,	T./SI	•13			•17. <b>5</b>			
C10., FT1  ORCHW 1  1 TO 2  2 TO 2  3 TO 2  3 TO 10  3 TO 10  3 TO 10  3 TO 10  35 TO 10  30 TO	Tame was executed as a second	77-0 73-0 73-0 73-0 73-0 73-0 73-0 73-0	PEARS 27 20 27 20 27 27 27 27 27 27 27 27 27 27 27 27 27	-31 -3.	-23	POR IL ESTO T GRADE - 20	pealwine pea	COMPT	TICAL DETUCK SOUTH MAG.: SOUTH MITTON: 12.5 -	GANG SPAIN S WOL 11 -7	DISTA 9	1907) -5 6 2 6	,	T./St	·13	12.5	•13	•17.5			
61.0., FT1  ORL NO 1  1 TO 2  2 TO 3  3 TO 1  3 TO 2  2 TO 3  3 TO 1  4 TTT-GRE  11036 FT1  64.00 TT 1  15 TO 2  2 TO 3  3 TO 3  4 TTT-GRE  4 TT	Time was even as a series of the series of t	10.00 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	TOTAL PEARS	-35 -3.	-25 -25	-20 -	000100 000 000 000 000 000 000 000 000	to yet one court to yet	17 (CAL - OFT TOTAL - SOUTH NO. : SOUTH NO	CAME SPAIN	B. 304	(But)	3 3 3 1 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	T./ST	*13 · 13 · 17 · 17 · 17 · 17 · 17 · 17 ·	12.5	•13	•17.5 1	•#	•29	•30 •33
CIB., FT: ORC MI. 1 TO 2 2 TO 2 2 TO 2 3 TO 1. 13 TO 12 2: TO 2 3: TO 3 40 TO	Tame was executed as a second	10.00 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	TOTAL PEARS	-31 -3.	-25 -25	-20 -	000100 00000 00000 0000 0000 0000 0000	to yet one court to yea	TIONS TIONS TIONS	CAME SPAIN	B. 304	(	3 3 3 1 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	T./ST	*13 · 13 · 17 · 17 · 17 · 17 · 17 · 17 ·	12.5	•13	•17.5 1	•#	•29	



										_	_											
ALTITUDE 11000 FT1 001 DE 1	:	Cla d	Tank.	-35 -30	-85	-10 -	17.5	-15 -	13.5	-10 -	01574 7.9	-5	•5 ·	7./56 7.5	1C.1	•12.5	• ' \$	•17.3	<b>****</b>	•29	•36	+36
2 70 3 70 10 10 70 19 15 70 20 20 70 25	i: :::::	i: :::::::::::::::::::::::::::::::::::	13					ı		2	,	ı	,			1			ı			
15 TO 20 20 TO 25 20 TO 30 20 TO 35 460YE 37 TOTAL	7.93 3	105.9 246.5 247.7 757.6	27 77 117					ı			:	10 26 30	16 37 59	) •	ı ı		1		1			
						5.	TORM	CONO	7 I 005													
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11000 FT1 941.0w L 1 TO 2 2 TO 3 5 TO 10 10 10 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35	0.02 0.10 0.27	108	12 12 20 10 10	-35 -36	-4,	-10 -	.,,,	,	12.7	,	7.9	-9		7.8	1 2 1	1	***	•17.3	•20	•25	•30	•11
400YE 35	•	237.0	77							,	7	15	27	16		,	- 1					
134.520		-				570	IN PL		M-*10					-		•						
4.111000	TIME HAU		OTAL		-00			-14 -		uee			04 17						- 14			-12
11000 PT1	(HOURS) H 8.03 8.02	1.85 / 3.6	L2 L2	-35 -30	-43	-20 -1	17.5	-17 -	12.7	-10 -	7.	- 1	1	7.5	*10	12.5	•11	•17.5	• 50	•25	•30	•35
2 10 S	0.18 0.27	)) 71.4	20 10							3	;	;		į	i	L						
10 TO 15	0.14	123.3 44.4	13					ı		2	•	2	•	1		L	1		1			
20 TO 25 25 TO 30 30 TO 35	0.23 0.25 7.55	101.1 101.1 146.1	27									10	19	1	1							
ABOVE 35 TOTAL	7.60 37	N7.7	177					ı		•	16	**	); 02	;	٠	,	,		ı			
ALTITUDE (1000 PT) 0f1.0m 1 1 70 10 1 70 10 10 10 13 15 70 20 20 70 25 27 70 30 30 70 35 Adove 35 TOTAL	(HOURS) HI 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	FICAL TILES P. 0. 0. 0. 0. 24.1 32.7 43.0 117.4	TOT M.	-35 -30	,	TORRE JO HON-	M DE FOI	MUNI, AND AREC R THE P A	2 46. PRIL DITIO	SPATI			Em (P +5 +			)12.5	•15	·17.5	•30	•15	•>•	• 35
						51	00.0	1000	TIONS													
ATTIVOE (1000 FT) 8ELBVI 10 2 2 TO 3 5 TO 10 10 TO 19 15 TO 20 20 TO 25 25 TO 30 20 TO 35	0.02 0.01 0.17 0.07		PARS 22 0 1	-15 -10	-25	-20 -1	7.5	-16 -	12.1	uee (	):578 7.9 2 1	1 -5 1	04 (P) +5 +1 4 2 3		C.1 •10 (	18.5	•11	17.5	•10	•85	• 20	•36
TOTAL		40.4	ΝĬ					1	1	2	•	2	r.	•	•	1	1	1				
						STOR	M PLU	/S NO	-1700													
A. TI TUBE (1900 PT) (1900	0.01	ICAL TI LBS PI 8.5 8.9 10.0 84.0 94.0 96.1	97AL 94AS 22	-N -N	41	-20 -1	7.9 -	1	18.5 -	10 -1	1	i i	1		•	10;0		17.0	-	41	•90	
THE	7.00 58		-					1	ı	2	•	4	11	4	•	ı	1		)	2		



HOW-STORM COMPITIONS

1 10 2 2 10 3 5 10 10	TIME MANTICAL OF COLUMN TO THE	PEMS	-39 -30 -25	-20 -17-5 -15 -12.				(F1./MC. •7.5 •)		*15 *17	is <u>129</u> .	+25 +1	• • • • • • • • • • • • • • • • • • • •
19 TO 20 20 TO 29 25 TO 30 30 TO 39 ABOVE 39 TOTAL	0.11 43.0 0.10 42.2 0.77 337.0 0.30 2731.9 7.47 3194.3						• •						
				STORM COMOITIO	<b>m</b> \$								
4.11100	TIME MAUTICAL	TOTAL			VOE	DISTRE	W1104	(FT./SEC.					
1900 PT 0ELOW 1 1 TO 2 2 TO 3 5 TO 10 10 TO 12 13 TO 20 20 TO 21 23 TO 30 30 TO 31 ABOVE 33	HOURS   HILES   D.02   Z.6	1 3	-35 -30 -25	-20 -17.5 -15 -12.	7 -10	-7.3 1	-3 •5 • • •	•7.5 •1	, 12.3	•19 •17	. 9 • 20	•# •1	ə • <b>3</b> 5
TOTAL	0.32 03.1					5	1 •		2				
				STORM PLUS NON-S	TORM								
	TIME VAUTICAL	Pt 15	-35 -37 -25	-20 -17.5 -15 -12.	1 -10	-7.5	-5 +5		.12.5	+15 +17.	5 -20	.,, .,	> > 35
1 TO 2 2 TO 5	0.02 2.6 0.02 7.6 0.39 10.7	1				1	, ;		2				
10 TO 15	9.10 33.3					•	• •						
20 TO 20 20 TO 25	0.11 43.0 6.11 43.0	. 0											
30 TO 35	0.77 337.0 6.30 2731.3	0					• •		_				
101 AL	7.79 3277.5	16				2	• •		3				
			CHAR	TABLE DIST LOS OF STRIVED VERTICE FOR THE ROUTE SETI LESTON AFB/MUNIT, SON AND TORREJON DE ARDOZ ALE MONTH OF JULY NON-STORM CONDET!	PECH UTH CAP D. SPA	OL THA	ITV						
ALTITUDE	TIME WAUTICAL	TOTAL		-20 -17.5 -15 -12.5	UDE			FT./SEC.			E 410		
83LOH 1 1 TO 2	0. 0. C. 3.	PEAKS	-35 -30 -(1	-20 -11.5 -15 -12.1	10 -		•	****			, 110	.,,	,,
2 TO 5 5 TO 10 10 TO 15	0. 3. 0. 9.	0											
15 TO 23 20 TO 25 25 TO 30	3.18 46.4 3.23 90.8	13		ì	3	,	1 3		ı	ı	1		
30 TO 35	0.25 103.4 7.53 3248.5 7.60 3247.7	27 77				• 2	0 L3	1 1					
TOTAL	15.00 6757.0	117		1	3	• 1	17 55	7 1			1		
	TIME WAUTICAL	TOTAL		STORM COMBITION				PT./SEC.I					
41 71 TUDE (1803 PT) 861 DW 1	0.33 4.6	PEAKS 12	-35 -30 -25	-20 -17.5 -15 -12.5	-10 -	7.5 -	3 1	•7.5 •10	1 12.5	115 -17.	9 +20	12 .30	• 39
1 TO 2 2 TO 3 3 TO 10	0.02 3.6 0.10 35.6 0.27 72.4	12 26			3	;	3 10						
10 70 15	0.37 123.3						<i>i</i> •	i					
29 TO 25 25 TO 30 30 TO 35	: :: ::												
TOTAL	0:07 237:0	77			3	7 1	5 27	16 5		2			
				STORM PLUS NON-ST	CA M								
ALTITUDE (1900 FT)	TIME NAUTICAL	TOTAL PRAKS	-35 -30 -25	-20 -17.5 -15 -12.5	-10	915TR19	UT 100 1	PT./SEC.1	+12.5	15 -17.	1 - 20 -	25 -10	•30
1 70 3	1.03	12				1	1 1	1	ı	2			
2 TO 5 5 TO 18 10 TO 15	6.18 33.4 6.27 72.4 6.37 123.3	10			•								7.7
10 TO 15 15 TO 20 20 TO 25 25 TO 30	6.11 36.4 6.21 90.4	13		1	1	3			1	ı	1		
400VE 31	7.40 3847.7	27				. !	11	1 1					
TOTAL	10.07 4995.4	194		1	•	10 9	• •1	59 4			1		



NON-ETOM COMPLITIONS

11 000 PT	1 (mboh)	<b>!</b>	Him	-11	-10 -	<b>25</b> -	20 -11	1.5 -	15 -	12.9	-10	-9.8				•10	+12.9	*15	•17.6	30 -1	• • • • • • • • • • • • • • • • • • •
19 TO 30 30 TO 25 25 TO 30 30 TO 35 400VE 35 TOTAL	2.2° 2.70 2.03 07.39 27.00 102.00	042.0 1075.4 1110.0 20030.3 12917.2 45392.7	10 11 24 220 200 543						2	;	;	, 10	30 4 50 4 50	19 141 141 313	17 26 69	1 2 6 7	i	ł			
	* * * * *	NAU TICAL	TOTAL				\$10	MH C	OHO (	T 1041											
ALTITUDE (1) 200 FT)	0.35 5.00 1.00 1.43 1.32 5.	1 MILES 50.7 114.4 433.1 414.0 450.9 8. 0.	76ARS 70 00 150 16 25	-39	-10 -	25 -	<b>20</b> -11	1.6 -	19 - I	12.5		-7.9	-9 17 27 34 20	* 10H	97.9 17 29 33 3	13	*12.5	•13	•17.5 •	20 +21	5 +3 <b>6 +</b> 36
TOTAL	3:37	144:5	4.20					ı	ı	3	14	40	103	145	90	25	•	ı			
							\$ 108M	PLU	1 10	<b>-</b> 5 TO	AA										
ALTITUDE (1800 PT) BOLOW L 2 TO 2 2 TO 10 10 TO 15 19 TO 20 20 TO 25 29 TO 30	TIME (HOURS 0.35 0.00 1.00 1.43 2.25 2.76 2.63	MAUTICAL MILES SO.7 110.0 439.1 414.0 450.7 602.0 1075.0 1110.0	TOTAL PEARS TO 00 190 76 29 10 11	-35	-30 -	25 -	<b>20 -</b> 17	, . i	19 - 1	12.9 1		0831 -7.9 0	17 27 24 20 5 2	11 0M 1 24 24 45 45 45 7 7 5	97./1 •7.5 17 24 33 5	13 2	1 1	•15	•17.8 ·	19 +21	• • • • • • • • • • • • • • • • • • • •
30 TO 35 ABOVE 33	47.35 27.99 100.55	29039.3 12517.2 44041.9	221						2	1 2	7	20	99 84 297	141	17 24 125	32	.:	i.			
				04 \$1	rajout		OF BER POR TH NCGUER NGEN M	P AP	VER UTE I D. NO A/D. THE BEAT	TICAL BETWO BU JE GERM	en Bev My	18.									
ALTITUDE (11000 FT)   0810W   1	0. 0. 0. 0. 0. 1.37 1.34 0.94 29.64	0. 0. 0. 110.3 400.7 404.6 13402.3	PEAKS	-11	-30 -2	19 _T /	20 -17	.1 -	19 -	ţ	-10	19	-1	2 17 19	1 1	1 3	,	1	•17.5 •2	• •25	•30 •39
TOTAL	47.32	21341.0	501							,	,	19	84	147	11	٠	2	1			
ALTITUDE	TIME	NAUTICAL	TOTAL				170	RM G	met 1	!ons	100	0111	A   BUT	104 (		ec. 1					
11000 FT) 001.00 1 1 TO 2 2 TO 5 9 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30 20 TO 25	0.14 0.27 0.71 0.91 0.02 0.	#168 24.1 41.7 179.9 190.0 216.4 9.	70 131 42 23	-35	-10 -	19 -1		.9 -1 L	1	1	-10 -	7.5	14 19 19 19	20 20 27 21 17	17.5 13 14 31 1	1	1	• • • •	)  7. <b>1 +2</b>	• •21	•30 •35
TOTAL	2:30	417.4	>>1					1	1	2	13	33	84	100	62	20	•,	ı			
							5 TOR#	PLUI	HOR	-6 701	L M										
11000 PT1	TIME	MUTICAL BILES	POLAL	-35	- 30 -1	9 -1	0 -17	.6 -1	2 -1		- 10 -	7.5	-9	100 (	7.8		12,0		17.5 .2	• • 25	400 THE
1 70 2 2 70 9 5 70 10 10 70 15 15 70 20 20 70 25 20 70 26	0.14 0.23 0.76 0.91 0.62 1.37 1.26	24.1 01.7 179.6 190.0 216.3 000.7 004.8 13402.3	90 76 131 42 20				1	1	ı	1	•	10	14 29 29 13	13 20 27 21 17 2	13	ı,	•			*	
25 TO 30 30 TO 35 AGGVE 35 TOTAL	27.00 14.30 49.77	13402.3					1		;	}	, , 20	10	140	110	19	*	2	ŀ	_	Ŧ	

NON-6700H CON01710H6

						11011	-6 700#	COMM1.	7 10ML													
A TITUDE	1446	MAUTICAL	PEARS	-11 -10	-25	-20 -	17.5 -	15 -12					PT ./ B		11.1	•19	17.5		.25	-88	-90	
BELOW L	•						• • • •		.,,,,		•						,		•			
1 1 1																						
1 72 14	<u>;</u>	100.2	1									ı										
20 10 21	0.05	197.7	1								1	i.										
26 10 30 30 10 31 40070 39	10.00	3994.5	169							•	12	110	11	i								
TOTAL	M-45	13385.0	313							•	93	137	16	•								
							TORN C	CHO171	oms:													
M.T.ITUGE	7100	HAUTICAL	TOTAL						uee	0157	A   BUT	100 0	PT./80	IC. 1							_	
11000 PT1	0.15	18.4	PRAKS	-15 -36	-26	- 26 -	17.9 -	15 -11	.9 -10		-5	• 5		•10 ·	12.9	•15	17.5	-30	• 25	+33	. 26	
1 10 1	1.04	170.5								ì	i		- 1									
\$ 70 10 10 70 15 15 70 20	1:27	9.7	- 1									;										
20 10 II																						
30 TO 35																						
TOTAL	1.49	432.9	29							•	٠	18	•	ı								
						110	am PLU	15 NON-1	TORM													
ALTITUM	Time	MAUTICAL	TOTAL						U06	01576	RIBUT		PT./30									
11000 PT)	0.12	10.4	PEARS	-35 -30	-25	-30 -	17.5 -	15 -12	9 -10	7.5	-3	• 5	•7.5	-10	12.5	.19 .	17.5	10	•23	• 13 •	35	
1 10 2	0.33	170.5	•							ì	1		1									
10 10 15	0.20	99.3	7									1										
15 TO 20 20 TO 25 25 TO 30	0.05	327.4	1								1	i										
30 TO 35 ABOVE 35	19.09	197.7	100							•	**	110	11									
1014	32.32	13450.7	244							10	**	144	ıi.	1								
				0157910	UTIONS	OF 91	TABL			-	KITY											
				DISTRIB	WT   041	PCS	THE RO		MEEN .	VELO	K I T Y											
				DISTRIB		PCR 1	THE RO	VERTIC UTE DET B. MEU MO A/O. 66	184 25 A 184 25 A	**************************************	<b>K</b> 177											
				DISTRIB		PCS I	THE RO INE AP AAIN FOR	VERTIC UTE SET S. NEW MO	MANY Jensey Wesn Mesn Mesn Mesn Mesn Mesn Mesn Mesn M	, A6F 0	KITY											
				0157410		PCR NCOU RHEIN	THE RO IRE AP AREN POR AUTUMB	VERTIC UTE SET S, NEW MO A/O, SE THE	MAMA MAMA MESM MESM MESM MESM MESM MESM	<b>V</b>	K I T V											
44.71.7V <b>01</b>	TEME	MAUTICAL	TOTAL			PCR PCGU RHEIN	TAIVED THE RO IRE AF MAIN FOR AUTUMB	VERTIC UTE 001 0, NEW NO A/O, 61 THE SPASON	AL GUST WEEN JERSEY RMANY I DNS	91378	1007	100_(	F1./38	C.1		A18 A				<b></b>		
11000 FT1	INGUAS	) #1L85	PEARS	-35 -30		PCR PCGU RHEIN	TAIVED THE RO IRE AF MAIN FOR AUTUMB	VERTIC UTE SET 8. NEW NO A/O, 66 THE SPASON	AL GUST WEEN JERSEY RMANY I DNS	91378		100 () •5	FT./36 • 7. 5	(C.) •10 •	12.5	•19 •	17.5 •	20	• \$5	•58 •	35	
11000 FT1 00L0W 1 1 T0 2 2 T0 3	induas 0.	) MILES 0. 0.	Plans			PCR PCGU RHEIN	TAIVED THE RO IRE AF MAIN FOR AUTUMB	VERTIC UTE 001 0, NEW NO A/O, 61 THE SPASON	AL GUST WEEN JERSEY RMANY I DNS	91378	1007	100 (I	F1./ <b>3</b> F •7.5	C.1	12.5	•15 •	17.5 •	20 4	• 25	•50 •	<b>33</b>	
11000 PF1 00L0w 1 1 T0 2 2 T0 3 5 T0 10 10 T0 19	Induss 0. 0.	) HILES 0. 0. 0.	PEARS			PCR PCGU RHEIN	TAIVED THE RO IRE AF MAIN FOR AUTUMB	VERTIC UTE 001 0, NEW NO A/O, 61 THE SPASON	AL GUST WEEN JERSEY RMANY I DNS	91378	119 <b>4</b> 7	100 (	F1./36 •7.5	C.1	12.5	•15 •	17.5 •	20 4	. 25	•\$9 •	>>	
11000 FT1 00L0w 1 1 T0 2 2 TG 5 5 TO 10 10 TO 19 19 TO 20 20 TO 29	0. 0. 0. 0. 0. 0. 0. 0. 0.	#11.85 0. 0. 0. 0. 137.3 250.3	PEARS			PCR PCGU RHEIN	TAIVED THE RO IRE AF MAIN FOR AUTUMB	VERTIC UTE 001 0, NEW NO A/O, 61 THE SPASON	AL GUST WEEN JERSEY RMANY I DNS	91378	1007	•5	PT./98 • 7. 5	 •10 •	12.5	•15 •	17.5 •	20	• 25	•§••	33	
11000 PT1 00L0u 1 1 T0 2 2 T0 5 5 T0 10 10 T0 10 10 T0 20 20 T0 20 20 T0 20 20 T0 30 30 T0 30	0. 0. 0. 0. 0.	) HILES 0. 0. 0. 127.3 296.3 915.0 7096.0	PSARS 0 0 0 0 0 1 1 30			PCR PCGU RHEIN	TAIVED THE RO IRE AF MAIN FOR AUTUMB	VERTIC UTE 001 0, NEW NO A/O, 61 THE SPASON	AL GUST WEEN JERSEY RMANY I DNS	91378	11997 -9 2 13	10,7	,,,	(C.) •10 •	12.5	•19 •	17.3 •	20	. 25	•\$• •	35	
11 000 PT 1 00L OU 1 1 TO 2 2 TO 3 5 TO 10 10 TO 10 19 TO 20 20 TO 25 29 TO 25 20 TO 25	0. 0. 0. 0. 0. 0. 0. 1.21 17.02	) HILES 0. 0. 0. 127.3 296.3 915.0	PEARS			PCR PCGU RHEIN	TAIVED THE RO IRE AF MAIN FOR AUTUMB	VERTIC UTE 001 0, NEW NO A/O, 61 THE SPASON	AL GUST WEEN JERSEY RMANY I DNS	01571 -7. 9	118 <b>0</b> 7 -9		•7.5	(C.) •10 •	12.5	•11 •	17.5 •	20 <	•25	•50 •	39	
11000 PT1 00L0u 1 1 T0 2 2 T0 5 5 T0 10 10 T0 10 10 T0 20 20 T0 20 20 T0 20 20 T0 30 30 T0 30	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	) HILES 0. 0. 0. 127.3 296.3 915.0 7096.0	PEARS 0 0 0 0 0 1 1 30			HEEN TO THE PERSON OF THE PERS	ERIVED THE RO IRE AP A MAIN FOR AUTUMN -STORM	VERTIC UTE 001 0, NEW NO A/O, 61 THE SPASON	AL GUST WEEN JERSEY RMANY LONS UDG 5 -10	01571 -7. 9	11997 -9 2 13	10,7	,,,	(C.) •10 •	12.9	•15 •	17.5 •	20	<b>-25</b>	•5 <b>0</b> •	19	
1000 FT1 00L001 1 T0 2 2 T0 3 5 T0 10 10 T0 19 10 T0 19 20 T0 20 20 T0 20 20 T0 31 ABOVE 35 TOTAL	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	9 HILES 9. 9. 0. 127-3 296-3 515-6 7070-0 10020-0	PEARS  0 0 0 0 0 1 1 34 13 97	-38 -36	-29	PCG 1 mCGU RHEIN (	TORM C	VARTIC UTE SET S. NEW NO A/D. ST THE SPASON COMBIT 19 -12.	AL GUST WEEN JERSEY RMANY RMANY LONS LONS LONS LONS LONS LONS LONS LONS	01574 -7. 5	2 12 3 17	*5 · 5 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 ·	9 3 3 7 7 PY-/90	•10 •	•							
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# TABLE Date DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETWERN MCGUIRE APP. NEW JERSEY AND RHEIN MAIV A/O, GERMANY FOR THE MONTH OF APRIL

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ALTITUDE TIME W 11000 FTI (MEARS) 05.00 1 0.02 1 TO 2 0.11 2 TO 5 0.10 5 TO 10 0.00 10 TO 10 0.00 10 TO 20 0.00 20 TO	AUTICAL TOTAL RILES PRANS 110-6 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9 8 20-9	-11 -10 -25	-20 -17.5 -15 -12.5	UGE GISTA(				15 •17.5 •20	*25 *10 *25
			STORM PLUS NON-STO		•	•			
ALTITUDE TIME N	-			UDG 015741	NOT LONG	PT-/800	:2		
00.000 1 0.02 1 70 2 0.11 2 70 3 0.10 9 70 10 0.00 10 70 10 0.00 10 70 20 0.00 20 70 20 0.17 20 70 20 0.12	2.7 1 10.0 4 20.0 0 20.5 0 20.6 0 10.6 0	-39 -30 -48	-20 -17.5 -15 -12.5	-10 -7.5 1 1	2	1	10 (12.7 (1	9 •17.9 •30	•27 •18 •19
30 10 35 0.36 400vt 35 7.00 10144 0.90	1000.5			2	H ::	;	ì		
ALTITUDE TIME IN (1808 PT) (MOURS)	MILES PEAKS	-35 -36 -23	S OP ORITION WHITECAL POR THE ROUTE SETURING APPLICATION AS A STORM FOR THE MONTH OP JULY HOM-STORM COMMITTEE APPLICATION COMMITTEE	IN ISOV AMV UDG DISTRI	BUTION (			5 +17.5 <b>+26</b>	•29 •13 •39
(1006 PT) (HOURS) 0010W 1 0. 1 TO 2 0. 2 TO 9 0. 5 TO 10 0. 10 TO 20 0.15 20 TO 25 0.20 20 TO 36 0.13 20 TO 36 0.03 20 TO 36 0.00	MILES PEAKS 0. 0 0. 0 0. 0 0. 0 0. 0 30.0 0 70.1 0 95.4 1 200.8 02	-33 -36 -33	-20 -17.5 -15 -12.5	-10 -7.5	-5 ·5	.7.5	10 +12.5 +1	9 •17.9 •26	•25 •33 •35
TOTAL 7.33	3138.1 **			•	24 57	•	1		
ALTETUDE TIME N	MUTICAL TOTAL		STORM COMOSTIONS	U <b>00</b> DI STR I	90119M (	P1./MC	•1		
(1000 77) (mduñs)  00.00 1 0.00  170 2 0.00  2 70 5 0.12  5 70 10 0.07  10 70 10 0.07  10 70 20 0.  20 70 20 0.  20 70 20 0.  40 70 70 0.  40 70 70 0.  40 70 70 0.	#168 Peass 7.0 1 4.7 2 27.7 3 10.0 2 21.4 0 0. 0	-11 -11 -11	-28 -17.6 -18 -12.8 ·	-16 -7.1	· · · · ·	•7.5	10 •18.9 •1	9 •17.5 •26	•45 •10 •35
797A. 6.33	<b></b> , :				2 2	*			
			118M PLUS 1881-1788						
(1000 PT) (HOURS)	MILES PARS	-35 -30 -25	-20 -17.5 -18 -12.8 -		OUT ICH I		io -12.5 -1	. 17.5 -80	-29 -30 -36
				_	1 1	ł		=	10 August 2
Will tim	mli. I		F . II .		N 14	•	1.	-	

				MATAI WELL		PLATUA	A 444		Œ17	•				•-				
10				-	- in	WELL MAN	4111							-				
					ANDIN N	A A	PRAMY				,							
						-												
11000 PT	HOURS	0.	PTARE	-35 -36 -45	-20 -17.	5 -15 -12.				• 9			•12.5	+19	17.9	•50	•25	+32 +39
1 70 1																		
10 10 10	:::	170.0	•						ı	ì								
25 TO 26 30 TO 35 400YE 31	12.76	93.1 1900.9	'n					1	10	25	5	1						
TOTAL	14.74	4307.1	78					1	7,7	34	•	1						
ALT 1 TUBE	1146	MAUTICAL	TOTAL			# COMPITIO	uee			100_0							(22)	
11000 PT1 0000 1 1 TO 2	0.04	30.9	PEARS	-35 -30 -55	-20 -17.	9 -19 -12.	9 -10 -	7.5	-		7.1	*10	• 12.5	•15	17.5		•14	•33 •35
2 70 1 5 70 16 10 70 15 15 70 20	0.13	110.0 40.3 47.3						1			1							
30 10 21 25 10 30 30 10 35																		
ABOVE 35	i.,,	207.0	1						1	10		ı						
					STORM	PLUS NON-S	TORR											
ALTITUDE (1000 PT) BELDW 1	T IME INDUAS 9.06	MAUTICAL MILES 0.7	PEARS	-35 -30 -25	-20 -17.	9 -19 -12.	1 -10 -	7.5	ATOUT	104 11	7.78		.12.5	•15	17.8	-20	+25	• 35 • 10
1 TO 2 2 TO 5 5 TO 13	0.17	110.0 40.2						ì	•	:		•						
10 TO 10 15 TO 20 20 TO 25	0.15 0.26	49.3 101.6 170.6	1						ı	i	•							
35 TO 30 33 TO 35 40048 35	12.76	1300.7	73					ı.	14	52	•	ı						
TOTAL	15.69	• 355.0	*					,	14	••	,	,						
					TA	SEE DELI												
				DESTRIBUTION	FOR THE	ROUTE BETT APB, HEW	MEGH	VEL	00 [1									
						AND IN A/D, GAI FOR THE												
						OF SEPTEM												
ALTITU <b>OS</b> (1900 PT)			TOTAL PEARS	-35 -30 -25	-20 -17.	5 -15 -12.5			1 1 0 UT	104 (			12.9	•15 (	17.5 •	20	•23	•10 •11
1 10 2	:																	
9 TO 10 10 TO 13 19 TO 20	.,,	127.3							2	•								
20 TO 25 24 TO 30 30 TO 35	1.21	250.3 515.6 7056.8	1 1 36 13					•	15	1	•							
TOTAL	14.03	10034.0	\$7					ŧ	17	20	ţ							
ALTITU <b>00</b>	TIME	NAUTICAL	***		37 <b>0</b> 0	COM017104			1047	10m (f	7./14	e.,						
11000 PT) 8810w 1		) MILES 14.3 17.9	PRAKE	-35 -30 -25	-20 -17.5	-19 -12.5	-10	7.5		1	7.5	iii d	12.5	•15 •	17.5 •	20	-25	10 -10
1 10 1	1.44	07.1 104.5 139.2	ii				•	,	ţ		i	i						
10 13 15 70 20 10 10 10 10 10 10																		
25 TO 36 36 TO 35 ABOVE 35 TOTAL	1.41						1		13		12	•						
	••••		-		STORE O	N. VS NON-61	rea n											
ALTITUOS (1000 PT) 9010H 1	TIRE		1974L	-39 -38 -21		-18 -18-1		01870 7.5	-1	100 IF	7./84 7.0	E.)	12.5	•15 •	17.5 •	<b>99</b> (	-80	
	1.10	17.3	ų,				1		8		Ī	ŀ						
	9.44	190.3	- "					3	7	14	*	1						
1 70 10 10 70 13 10 70 13 13 10 30 10 70 30 10 70 90 40079 30	1.21	196.9 196.2 127.3 276.3 919.6 766.0 2666.6	***					•	11	10								
Attl. w	17.01 N.X	11344.6	ı				1	+	*	14	19	•			orden :	-		

## TABLE DEEL DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE GETWERN HICKAR APS, MANGII AND WAKE AIRPORT, WAKE ISLAND

NON-STOAM CONDITIONS

				NON-STDAM CO	HOSTIONS							
ALTITUDE 11066 FII 82 DH 1 1 TO 2 2 FD 5 5 TO 13 10 TO 15	TIME YAUTICAL (MOURS) MILES 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	PEAKS CO O O	-35 -30 -25	-20 -17.5 -15				N (PT./SEC. •5 •7.5 •		•15 •17.5	•20 •2	1 +32 +39
15 TO 20 20 TO 25 25 TO 30 30 TO 35 400VE 35 TOTAL	1.31 403.3 4.25 1704.4 3.77 1019.2 11.60 5367.2 51.16 22025.4 72.10 11609.5	216 15 223			; ; ;	17	1	2 2	1	<u> </u>	1	
				STORM COUD	ITIONS							
ALTITUDE	TIME VAUTICAL	LOTAL			V0	e DIST		e eff./sec.				
1030 PTI 06LOW 1 1 70 2 2 10 5 5 10 15 15 10 20 20 10 25 25 10 30 25 10 30 30 10 35 4004 35	HOURS HILES56 0-7 0.74 117-1 1-75 395-9 1-14 3-64-6 1-20 412-1 5- 2- C-35 13-4 C-37 28-2 0-05 21-5 1-69 853-4 7-45 2257-7	PEARS 64 69 106 40 11 3	-35 -30 -25 1	-20 -17.5 -15	1 0	12	14	13 23 70 11 84 10 16 1 9 1	7 L 7 S	•15 •17.5	, 20 ° 21	• • • • • • • • • • • • • • • • • • • •
		•••	•			.,						
				STORM PLUS N								
8 C Dw 1 1 TO 2 2 TO 5 5 TO 17 10 TO 15	FIME "AUTICAL (MOURS) RILES G. 58 G. 54.7 L. 74 LI7.1 L. 73 385.9 L. 12.2 410.1 L. 23 403.3	707AL PEAKS 64 65 106 40	-19 -10 -29	-20 -17.5 -15 l		-7.5 7	-1 0 10 31 10	0 11		*15 *17.5	\$6 ·25	*12 *19
25 10 10	1.20 1717.0	217			3	17	73 10	•	•			
ABOVE 35	11.74 5000.7 13.75 23075.0 79.02 33940.2	121		1	1 7		93 ( 241 30	24		i i	1	
ALTITUDE 11308 FT1 86L Ou 1 1 T0 2 2 T0 3 5 T0 16 13 T0 13 15 T0 23 20 T0 25 25 T0 30 30 T0 35 480VF 35 T0TAL	FIRE NAUTICAL (HOURS) MILES 5. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	TOTAL PPARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		TABLE 1 S OP DEPIVED VEI FOR THE ROUTE HICKAM AFB, AND MARE AIRPORT, FOR TH MINTER SEI NON-STORM COI	RTICAL GU BETWEFN MAMAII WARE ISLA I ISON WOITIONS	NO 8 DIST	3 16 2 1	2 1 17 1 3 4 1 12 24 1	) •12.5	•15 •17.5 •	20 · 225	•12 •15
				STORM COND	11045							
001.0u 1 1 78 2 2 7C 3 7 70 13 10 70 13 15 70 20 16 70 23 23 70 33	11mE NAUTICAL (MOURS) PILES 6.93 79.9 109.0 1.159 259.2 0.09 200.7 1.14 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.1 1.4 256.	TOTAL PEARS 63 64 184 28 11 5	-35 -30 -25 1	-20 -17.8 -18 ·			6 1 13 2 10 4	0 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.12.9	•19 •17.5 •	20 +25	*33 *35
480YE 35	1.89 898.4 6.87 7134.9	271	ı	l.	1 7	20	62 10	3 46 10	•			
				STORM PLUS NO	M-\$108#							
ALTITUDE	TIME MAUTICAL	POTAL	.10 .10 .11		VO	-7.5		(FT./10C.)	.12 .	15 +17.5 +		•13 •14
11000 PT: 941.001 1 TO 2 2 TO 3 5 TO 13 10 TO 15 15 TO 23 20 TO 25 25 TO 35 400VE 35	0.53 75.0 0.67 105.6 1.50 353.2 0.00 309.7 1.84 356.1 1.13 417.5 4.00 1030.1 3.00 1030.1 10.23 6446.1 0.53 6446.1	Piass 63 64 104 20 11 6 217 6 8	-15 -30 -25	ı	1 7	17	13 2 30 4 10 1 1 3 73 10	3 23 6 0 11 1 6 10 2 7 1 2 17 1 3 17 1 3 17 1	•	1	ı	*******
1014	47.70 20002.0	120	1	ı	2 10	19	534 54	5 66 22	•	1	ı	

# TABLE Dese DISTRIBUTIONS OF DERIVED VERTICAL OUST VELOCITY POR THE ROUTE DETWEN HICKAR APP. NEWALL AND WARE ALRPORT, MARE ISLAND POR THE SPRING SEASON

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				HON-STORM COND	ET TONS								
ALTITUDE (1000 PT) BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15	o. 3	AL TOTAL S PEAKS		-20 -17.5 -15 -1	UDE 018 2.5 -10 -7.5	TR   MUT  -9	0N (FT.	/\$4C.1 2 -10	•12.5	•15 •1	7.5 -20	•1>	•30 •39
19 TO 20 20 TO 25 25 TO 30 30 TO 35 ABOVE 35 70TAL	0.07 20	1 0 1 2					2						
				STORM COMOST	1045								
ALTITUDE	TIME HAUTIC		-35 -30 -25	-20 -17.5 -15 -1	UOE 015	TA   8011	OH 1-T.	SEC.1		A18 A1			•30 •31
BELOW 1	0.02 2	.5 1	-31 -30 -23	-20 -11.5 -15 -1	2.1 -10 -7.5	-,	• • • • • •	1	*12.5	•1> •1	7.5 -20	*27	. 30 . 33
2 10 3	0.03	1			1 1	,							
10 10 15	6. 3												
20 TO 25 25 TO 33 30 TO 35	i. 3	. (											
ABOVE 35	·				1 1	,		1					
AL 111UDE	TIME VAUTIC	AL TOTAL		STORM PLUS HON-		e e e e e e e	D4 (FT./	186C . 1					
(1300 P1) BELOW 1	HOURST MILE		-35 -30 -25	-20 -17.5 -15 -1	2.5 -10 -7.5	-5	•5 •7.5	*10	.12.5	•15 •11	1.5 +29	+25	+39 +38
1 TO 2	0.01 1	:			1								
9 TO 10 10 TO 15 15 TO 20	U.34 14	6			ı	•							
20 10 25	0.07 24	:1 9					2						
30 TO 35 480VE 35 TOTAL	3.90 1492 3.11 2134	0				_							
TOTAL	5-11 2136				1 1	,	2	1					
			DISTRIBUTION	TABLE DE: S OP DERIVED VERTI- FOR THE ROUTE BI HICKAM AFB, MA APROPERT, WAR FOR THE SUMMER SEASC	ICAL BUST VEL ETWEEN AWAII KE ISLAND DN	<b>06   1</b> Y							
44 24 2404				NON-STORM CONS									
ALTITUDE (1000° PT) 00LUM 1 1 TO 2 2 TO 3 5 TO 12 10 TO 15 15 TO 20 20 TO 25	TIME NAUTIC (MOURS! MILE 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	\$ PEARS 0 0 0 0	-35 -33 -25	-20 -17.5 -15 -11	ude DIST 1.5 -10 -7.5				12.5	•15 •17	. 5 •29	•25	+32 +35
25 TO 30 30 TO 35	0.00 38 0.50 297	.1 2				1	1						
TOTAL	3.47 1524 4.30 1879	0				ı	1						
				STORM CONDITS	ONS								
ALTITUDE	TIME HAUTIC	AL TOTAL	1		URE 0157								
1.300 PT/ 0.01.0w L 1 TO 2 2 TO 5 5 TO 10 10 TO 19 15 TO 20 20 TO 25 25 TO 36		.7 2 .6 L .6 L .7 0	-35 -30 -25	-26 -17.5 -15 -12	-10 -7.5	1	'• <b>\$ •</b> 7.\$	•16 •	12.5	·15 •17	.5 +20	•29	•30 •35
TOTAL	1:20 19					ž							
				STORM I LUS HOM-	170AM								
ALTITUDE	TIME HAUTIC		-34 -34 -34		U02 01571		M IPT./I	MC.1					
66LOw 1 1 70 2 2 70 5 5 70 10 10 70 15	(HUURE) RILE 0.02 3 0.05 0 0.07 17 0.07 20 0.07 25 0.00 32		-35 -30 -25	-20 -17,6 -15 -18	., -10 -7.9	1	•5 •7.8	•10 •	12.7	10 •17	9		•••
30 10 21 21 10 30 30 10 31 ABOVE 35	6.09 38					1	•						
TOTAL	3.47 1526 4.50 1986	: :				3	1						
					. 500								

## TABLE Dase DISTRIBUTIONS OF SENTYON VENTURAL OUST VELOCITY FOR THE RESTRESS AND MANAIL MICRAE NO. MANAIL

ME ATRPOPT, WARE ISLAND POR THE ANTURN SHASON

				HUM-SIUKH C	(40111043							
ALTITUDE (1800 PT) 96LOU 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15	TIME HAUTICAL (HOURS) MILES  0. 0. 0.  0. 0. 0.  8. 0.	TOTAL PRAKS 0 0 0	-35 -30 -25	-20 -17.5 -15	-12.5 -10	01578184 -7.5 -	UTSON (FT 5 +5 +7	./SEC.) .5 +10	>12.5 +1	5 •17 _? 5 •28	•25	*30 *35
15 TO 20 20 TO 25	0.05 10.7	1					1					
25 TO 30 30 TO 35 400VE 35	0.12 50.1 0.10 43.3 1.74 770.8	i										
TOTAL	2.00 915.5	- 5				•	. ,					
- 1 - 2171				STORM COM								
ALTITUDE (1809 FT) BELDY I	TIME NEUTICAL (HOURS) MILES	PEAKS	-35 -30 -25	-20 -17.5 -15	-12.5 -10	-7.5 -9	**************************************	.78EC.7	•12.5 •15	-17.5 -20	•25	*32 *35
1 TO 2 2 TO 5 5 TO 10	0.01 1.5 6.03 7.5 0.04 12.3					<b>3</b> 1						
10 TO 15	0.04	0				-						
20 TO 25 25 TO 30 30 TO 35	0. 0. 0. 0.	0										
TOTAL	6:13 36:4	•				3	2					
				STORP PLUS	NON-STORM							
ALTITUDE		PE AKS	-35 -30 -25	-20 -17.5 -15			1110H (FT.		12.5 •.5	+17.5 +20	•25	+30 +35
0 EL ON 1 1 TO 2 2 TO 5	0.02 2.5 0.01 1.5 0.03 7.5	0					_					
\$ f0 1, 10 f0 15 15 f0 20	0.34 12.3 6.34 14.4 0.05 10.7	3				y 1						
20 TO 25 25 TO 30 30 TO 35	6.37 26.6 0.12 73.1 0.10 43.3	•				ı	3					
TOTAL	1.74 776.8 2.21 953.9	11				\$ 1	5					
			OESTREBUTION	TABLE  SOF DERIVED VI FOR THE ROUT: HICKAN AFB WARE ARPORT: FOR TI MONTH OF J  NON-STORM C:	ERTICAL GUS E BETWEEN , MAWAII WAKE ISLAM ME AMUARY		•					
ALTETUDE (1000 FT)	TIME MAUTICAL	TOTAL PEAKS	-35 -30 -25	-20 -17.5 -15	-12.5 -10	DISTRIBL	1110N IFT.	/SEC.)	12.5 •15	-17.5 -20	+2%	+10:+35
9 EFOM F	0. 0.	0										
5 TO 10 10 TO 15 15 TO 20	C. 0. 0. 0.48 176.2	0					. 1					
20 TO 25	3.42 1370.5 2.62 1127.4	234			3	10 0	97 1	5 5				
30 TO 35 480VE 35 TOTAL	4.72 2062.3 17.96 8017.7 29.21 12781.9	216			1	16 71	2	5 5				
				STORM COM	DITIONS							
ALTITUDE (1800 FT)	TIME NAUTICAL	TOTAL	-35 -30 -25	-20 -17.5 -15	-12.5 -10	DISTRIBLE-7.5 -5	TION (FT.	/SEC.) 5 +10	12.5 +15	-17.5 -20	+25	•30 •35
86FDM 1 1 40 5	0.24 35.5 0.32 51.1 0.62 147.0	29 24 26	ı		2	1	7	; ;	L			
5 TO 10 10 TO 15 15 TO 20	0.43 139.8 0.48 146.8 0. 0.	14						1 1				
20 TO 25	0. J.	0										
ABOVE 35 TOTAL	3. 0. 6. 0. 2.10 536.2	•	1		2	+ 22	36 1		1			
				STORM PLUS	ON-STORM							
ALTITUDE (1909 FT)	TIME NAUTICAL	TOTAL PEAKS	-35 -30 -25	-20 -17.5 -15	-12.5 -10	-7.5 -9		5 +10 ·	12.5 +15	·17.5 •20	• 25	*33 *35
BELOW L	0.24 35.5 0.32 51.1	29	1	***	2	1 1	7	: :	ı			
2 TO 5 5 TO 10 10 TO 15	0.42 147.8 0.43 135.0 9.40 166.8	26 14 2				•	7	i ı				-
15 TO 20 20 TO 25 25 TO 30	3.48 1378.9 2.68 1127.4	204			3	16 6	57 1	5 5				
ABOVE 35 TOTAL	4.72 2002.3 17.06 0017.7 21.31 13310.2	311	ı		5	25 91	2	3 11	1		_	
			_									

# TABLE DEE DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN HICKER AFR, NAME!! AND WAKE AIRPORT, WARE ISLAND FOR THE HUNTH OF FEBRUARY

### NON-STORM CONDITIONS

		71mg				406				T./SEC.1						
,	#ELOW 1 1 70 2 2 70 5 3 70 10 10 70 15	TIME MAUTICAL (MOURS) RILES	PEAKS	-15 -30 -25	-2C -17.5 -15 -12.	3 -10	-7.5	-9	•5	7.5 +16	*12.	5 •15	+17.5	• 20 •	25	•32 •35
	15 TO 25 20 TO 25 25 TO 3: 30 TO 35	5.24 07.5 5.22 07.4 5.22 94.2 4.71 2011.6					ı	1	2	2						
	TOTAL 35	4.28 1919.7 9.67 4200.4					1	3	2	2						
					STORM CONDITION	15										
	AL T1 TUDE (1000 PT)	TIME NAUTICAL	TOTAL PEAKS	-35 -30 -25	-20 -17.9 -15 -12.5			-5			+12.5	+15	•17.5	• 20 •	23	•32 •35
	BELDW 1 1 TO 2 2 TC 5	1.14 20.1 0.12 20.0 0.33 70.3	5 15 36		ı	1	1 5	11	2	1 1	1					
	5 TO 10 10 TO 15	0.18 94.1 2.23 68.8	7		•	i	•	1	3	•						
	15 TO 27 20 TO 25 25 TO 30	0.03 13.4 0.07 20.2	1						1							
	3: TO 35	1.89 853.4	3							6 1	,					
	TOTAL	3.32 1144.8	••		1	2	•	18	33	• 1	1					
	ALTITUDE.	TIME HAUTICAL	TOTAL		STORM PLUS NON-ST		01576	ITUTE	ON LF	T./SEC.1						
	BELDW 1	(HOURS) MILES	PEAKS 5	-35 -30 -25	-20 -17.5 -15 -12.5		7.5	-3		7.5 +10	+12.9	•15	+17.5	•50 •	25	•37 •35
	1 f0 2 2 f0 5 5 f0 13	3.12 20.0 33 73.3 C.18 54.1	10 34 7		1	1	1	11	15	3						
	10 TO 15 15 TO 25	0.23 66.8 3.24 87.5	Č			•		i	i							
	20 TO 25 25 TO 30 30 TO 35	G.26 103.8 G.29 122.4 4.76 2533.1	c c				ı	,	3	2						
	TOTAL	6.17 277v.1 12.69 5347.2	70		1	2	7	21	37	• 1	ı					
	ALTITUDE (1000 FT) BELOW 1 1 TO 2 2 TO 9 5 TO 1 10 TO 19 19 TO 2 25 TO 3 30 TO 35 ABOVE 35 TO 741	TIME "MAUTICAL (MOUNT) MILES U	TOTAL PEAKS 0 0 3 0 C C C 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 2 C 0 2 C 0 2 C 0 2 C 0 2 C 0 2 C 0 2 C 0 2 C 0 2 C 0 2 C 0 2 C 0 2 C 0 2 C 0 2 C 0 2 C 0 2 C 0 2 C 0 C 0	0 STRINUTION	TABLE D22h S OF DERIVED VERTICA FOR THE ROUTE SETS HICKEM AFR, MAND WARE AIRPORT, WARE FOR THE HONTH OF APRIL MON-STORM CONDIT!	EEN II ISLAMD ONS	DISTA	18071		7./3FC.) 7.5 •10	+12.5	•15	•17.5	•20 •2	25 (	•35 •35
					STORM COMDITION	\$										
	ALTITUDE	TIME HAUTICAL (HOURS) HILES	PEAKS	-15 -32 -25	-20 -17.5 -15 -12.5						•12.5	+15	•17.5	20 +2	5 .	32 +35
	0 ELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 25 TO 20 30 TO 35 ABOVE 35 TOTAL	0.12 2.5 G.21 1.4 b.03 7.6 b.04 12.9 G.24 14.0 5. C. 5. C. 6. 0.14 36.5	101100000000000000000000000000000000000			1	1	,		ı						
					STORM PLUS NON-ST	ORM										
	ALTITUDE	TIME VAUTICAL	PEARS	-35 -36 -25	-20 -17.5 -15 -12.5					./SEC.1		418	.17 6			
	BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 23 20 TO 25 25 TO 33	02 2.5 01 1.0 03 7.6 14 12.0 04 14.0 04 14.0 04 14.0 04 14.0	1 . 6 0 0 0 0 2	-,,		1	i.	,	2		••••	•••	*41,7			3, 13
	AGOVE 35 TOTAL	3.90 1652.6 3.11 2136.9	10			1	1	,	2	1						

# TABLE DZZL DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN HICKAN AFR HANAII AND MAKE AIRPORT, MAKE ISLAND FOR THE HONTH OF JUNE

### NON-STORM CONDITIONS

ALTITUDE 11000 FT1 BELOW 1 1 TU 2 2 TO 5 9 TO 12 10 TO 15 15 TO 2 26 TO 25 25 TO 30 30 TO 35 AROVE 35 TOTAL	TIME VAUTICAL (MORINS) MILES  J. J. J.  C. J.  J. J.  C. J.  J. J.  C. J.  J.	FOTAL PEAKS	UDE DISTRIBUTION (FT./SFC.) -35 -36 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 +5 +7.5 +10 +12.5 +15 +17.5 +20 +25 +33 +35
			STORM CONDITIONS
ALTITUDE (1007: FT) BELOW 1 1 TO 2 2 TO 5 5 TO 1 15 TO 15 15 TO 22 2 TO 25 25 TO 35 ABOVE 35 TOTAL	TIME NAUTICAL HIGURS ) MILES (1.2 3.7 1.05 5.6 1.7 1.7.6 (1.27 20.5 1.7 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17 20.17	TOTAL PEAKS 0 1 1 0 0 0	UDE DISTRIBUTION (FT./SEC.) -35 -30 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 +5 +7.5 +10 +12.5 +15 +17.5 +20 +25 +30 +35
			STORM PLUS NON-STORM
ALTITUDE: 1101: FT1 MELON 1 1 TO 2 2 TO 1 5 TO 15 15 TO 2 20 TO 3 30 TO 35 ANDYE 35	TIME VAUTICAL (HOURS) MILLS 22 3.7 45 46 47 176 47 25 49 322 56 25.1 49 371 459 2574 47 15766 2574 47 15766 2574 57 15766 2574 57 15766 2574 57 15766 2574 57 15766 2574 57 15766 2574 57 15766 2574 57 15766 2574 57 15766 2574 57 15766 2574 57 15766 2574 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 25764 2576	PFARS	UDE DISTRIBUTION (FT./SEC.) -15 -10 -25 -2C -17.5 -15 -12.5 -10 -7.5 -5 +5 +7.5 +1, +12.5 +15 +17.5 +23 +25 +39 +35  1 1 1
ALTITUDE (127. FT) HELOW I 1 10 2 2 10 7 5 10 15 10 10 15 15 10 25 25 10 3 30 10 35 AHOVE 35 TOTAL	TIME "IAUTICAL (HOURS) MILES C. J.	FOTAL PEAKS 2	TABLE D22;  DISTRIBUTIONS OF ORDITY VERTICAL GUST VELOCITY FOR THE MOUTE BETWEEN MICKAM AFF, HAWAIT AND HAKE AIRPIRT, MAKE ISLAND FOR THE MONTH OF NOVEMBER  NON-STORP CONDITIONS  UDE DISTRIBUTION (FT./SEC.) -34 -30 -25 -20 -17.5 -15 -12.5 -16 -7.5 -5 +5 +7.5 +13 +12.5 +15 +17.9 +20 +25 +33 +35
			STORM CONDITIONS
ALTITUDE (10.L FT) 8ELOW 1 1 TO 2 2 TU 5 5 TO 1 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TU 35 ABOVE 35 TOTAL	TIME (AUTICAL CHORAS) MILES 0x22 2x5 0x23 2x5 0x33 7x5 0x34 14x6 1x4 0x4 1x4 0x4 0x4 0x4 0x4 0x4 0x4 0x4 0x4 0x4 0		UDF DISTRIBUTION (FT./SEL.) -35 -325 -20 -17.5 -15 -12.5 -10 -7.5 -5 +5 +7.5 +19 +12.5 +15 +17.5 +23 +25 +33 +15  3 1 2  3 1 2
			STORM PLUS NON-STORM
ALTITUDE (1903 FT) BELOW I 1 TO 2 2 TO 5 5 FO 16 10 TO 15 15 TO 20 20 TU 25 25 TO 35 30 TO 35 AROVE 35 TOTAL	TIME (AUTICAL (MOURS) MILES 22 2.5 92 2.5 92 15 62 75 03 123 03 123 03 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 12.	TOTAL PEARS 0 0 0 0 4 0 1 0 4	UDE DISTRIBUTION (F7./SEC.) -35 -30 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 *5 *7.5 *10 *12.5 *15 *17.5 *29 *25 *38 *35  3

# TABLE DEZE DISTRIBUTIONS OF DERIVED VERTICAL SUST VELOCITY FOR THE ROUTE DETWEEN HICAR AFE, MAMAII AND MAKE AIRPORT, MAKE ISLAMD FOR THE MONTH OF DECEMBER

					NON-STD	RN COMPLIE	<b>CM</b> 2										
	****	HAUTICAL	TOTAL				100	DISTR	IOVII	ON 1F	7./ SE C	1			498		-15 -15
(1000 FT)	(HOURS)	MILES	PEAKS	-35 -30 -25	-20 -17.5	-15 -18.5	-10	-7.5	-5	• • •	7.5	17	. , ,		***	***	
BELOW 1	0.		0														
1 70 2	0.		0														
2 10 5		3.	•														
5 10 10	0.		•														
10 TO 15	0.	0.					1			1							
15 TO 20	0.42	153.0	•				•		2	1 2 70							
20 TO 25	0.40	150.0	•					1	2	ī							
25 TO 30	0.57	241.3	•					•		2	. 1						
30 TO 35	0.74	320.0				1	7	13	70	7.0	24	1		ì	1		
ABOVE 35	21.94	9014.0	216 231			1	7	14	96	84	25	1		ı	1		
1011	*****	,,,,,,,	•••														
					STORP	- COMDITION	15										
							1104			-	1./SEC	. 1					
AL TITUDE	TIME	MAUTICAL	TOTAL	-35 -30 -25			-10	-7.4	-6	• 5	7.5 .	i •1	1.5 .	15 +17.5	+20	.25	•30 •35
(1000 PT)	(HOURS)	MILES	PEARS	-35 -30 -25	-20 -17.1	1 -17 -12:	- 10		•	4	12	2					
BELOW 1	0.19	20.3	29			•			9	•	•	5	4				
1 10 5	0.23	34.5	30				2	5	10	17	4	2					
2 70 5	0.64	135.1	42				ī			4							
5 TO 10	0.38	111.4	12				-										
10 10 15	0.36	120.4	9														
15 10 20	0.	0.	ă														
29 10 25	0.	3.															
25 TO 35	1.	3.	0														
ABOVE 35	٥.	ō.	0			_			••	34	22		4				
TOTAL	1.74	421.6	100			1	3	13	5.5	,,	••	•	•				
					STORM	PLUS NOM-5	TORM										
ALTITUDE	1186	MAUTICAL	TOTAL				UD	DIST	RIBUT	100 (	1./500			18 417.	20	+25	+38 +35
(1000 FT)			PEARS	-35 -30 -25	-20 -17.	5 -15 -12.	9 -10	-7.5	-5	• 5	'iż '			.,			
BELOW L	0.15	20.3	29			1		3	•	- 1	••	į,	•				
1 10 2	3.23	34.5	30					5	10	17	•	ź	•				
2 10 3	3.64	135.1	42					,	.,		•	•					
5 10 10	0.30	111.6	7				•		•								
10 10 15	9.36	120.4					1		2	L							
15 10 20	0.42	153.0	•				•		2	2							
20 10 25	0.40	150.0	•					1	2	1							
25 10 30	0.57	241.3	•							2	1	_					
30 10 35	0.74	328.8 6932.1	216			ı	7	13	90	76	34				ı i		
ABOVE 35	23.70	10236.6	339			2		27	110	110	47	10	•				
TOTAL	23.70	10430.0	,,,,														

## TABLE D23a DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEFN HICKAR AFB, HAMATI AND CLARK AB, PHILIPPINES

### NON-STORM CONDITIONS

A TITURE   THE NUMBER   1001   1015   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016   1016										U	34011	11.43											
		11000 FT BELOW 1 1 TO 2 2 TO 5 5 TO 10	0. 6. 0.	3. 0. 3. 3.	PEARS 0	-35	-30 -21	- 20	-17.	5 -15	-12.5								•15	•17.5	+20	•25	•32 •35
Maintenance		15 TO 2C 2C TO 25 25 TO 32 30 TO 35 AROVE 35	1.24 1.71 11.16 39.13 75.12	449.7 669.9 4379.2 16654.0 33252.3	30 42 107 160 107							3	2 4 12 2	15 35 63 91	21 54 65	10	,	i					
100									STOR	4 COND	11100	ıs											
## TABLE 1						-11 .	- NG - 25	-20	-17.	15	-12.4							413.5	.14	417.4			410 414
\$ 10 10 1.2		BELOW 1	2.30	42.9	6.1			•••				3	14	7 26	12	15	6	•			•••	•••	***************************************
13 10 23		5 10 13	1.25	370.2	64					1	4			12	33		4						
1		15 10 23	٠.	٥.	)								•	••		·	•						
Total   1, 4, 4, 4, 154, 2   516   1   1   5   14   51   137   17   18   34   12   2   1		30 TU 35		5.	0																		
## TIME AUTICLE TOTAL    1937   17   100031   1815   12   12   12   12   12   12   12									ı	1	5	14	51	137	171	8.7	34	12	2	1			
1800 FT1   1800 MS1   1811								s	TORM (	LUS N	0N-5 T	OR H											
## COUNTY   1,23   2,2   8   1						-35 -	·3C -25	- 26	-17.9	-15	-12.5		0151					•12.5	•15	.17.9	20		.11 .11
A TO 1.5 1.75 17.72 68 4 8 12 33 6 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		RELOW 1	42	42.9	125						1	4	14	,	12	33	14	:				•••	****
13 10 27 1.74 444.77 37 12 12 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		5 TO LJ	1.25	375.2	69					1	•			12	33		4						
1 1 2 6 3 6 10 5 1 1  ROUGH 1 14-27 37171-2 002		15 TU 27	1.71	449.7	42								3	13	21	2				ı			
TABLE D29.    TABLE D29.		30 FD 35	34.10	10054.0	165						,	-	12	4.3	65	10	5	ì	1				
Clark Air Print   Distributions   OF DISTRIBUTIONS   OF DISTRIBUTION   PTI/SEC.									1	1	•	22					40	17	3	2			
STORM COMDITIONS   MILES   PEARS   -35 -35 -25 -26 -17.5 -15 -12.5 -16 -7.5   -5   +5   +7.5   +16   +12.5   +15   +17.5   +22   +25   +30   +35								CI	HICKAN LARK A F WINT	AFB. AND B. PH DR TH ER SF	HAWA ILIPP E Ason	I I I VES											
SECON 1						. 15 .	12 - 25	- 10	-17.4	-14													
\$ TO 13		SELOW 1		ž.	ö	.,,	,,	- 40	-,,,,	-1,	-14.,	-10	-,.,	-,	٠,	• • • •	V.10	*14.7	***		., .	•	*,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1		5 TU 17	• •																				
30 f0 35 14.55 6097.9 46 139 20 248.2 137 2 2 6 48 46 6 2 1 1 1 2 2 6 48 46 6 2 1 1 1 2 2 6 48 46 6 2 1 1 1 2 2 6 48 46 6 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 2 2 6 48 46 6 7 2 1 2 1 1 1 2 2 6 48 46 6 7 2 1 1 1 1 2 2 6 48 46 6 7 2 1 1 1 1 2 2 6 48 46 6 7 2 1 1 1 1 2 2 6 48 46 6 7 2 1 1 1 1 2 2 6 48 46 6 7 2 1 1 1 1 2 2 6 48 46 6 7 2 1 1 1 1 1 2 2 6 48 46 6 7 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		15 to 23 23 to 25	0.72	109.2	4							3	3		2	2	ı			ı			
TOTAL   47,63   20248.2   132   2   6   48   66   6   2   1   1		30 fo 35	14.55	6097.9	46									19	23		1	ι					
ALTITUDE TIME WAUFICAL TOTAL T												2					3	1		1			
1000 FT3 (MOURS)   RILES									310AH	COND	11045												
1 70 217 20-5 51 1 5 9 15 13 5 2 1 2 70 5		1000 FT	I HOURS	1 MILES	PEAKS	-35 -	10 -25	- 23	-17.5	-15	12.5	-10	7.5	- 5	+5	7.5	+10		•15 •	17.5 .	20 .	25	•32 •35
\$ 70 13		1 TO 2	v-17	24.5	51					_			5	•	15	13	3	ž		ı			
23 TO 29 C. J. O 25 TO 30 C. J. O 30 TO 35 C. U. C ABOVE 35 J. J. O TOTAL 2.10 535.4 227 1 1 7 20 61 67 36 11 5 1  STORM PLUS NOM-STORM  ALTITUDE TIME MAUTICAL TOTAL 11000 FT1 (MORS) HILES PERK -35 -30 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 05 07.5 010 012.5 015 017.5 028 029 030 035 0ELOW 1 0.13 19.3 20 1 4 4 4 2 1 1 TO 2 L.17 26.5 51 1 5 9 15 13 5 2 1 2 TO 5 D.74 153.2 104 1 1 7 31 46 16 3 1 5 TO 10 6.98 172.7 13 1 1 1 1 2 7 3 1 4 1 1 1 15 TO 20 J.72 26.10 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 10 15	2.58	170.7	19									3	7	1	1						
30 TO 35 C. U. C. ABOVE 35 U. J. O TOTAL 2-10 535.4 227 I I I 2 29 A1 87 36 II 5 I  STORM PLUS MON-STORM  ALTITUDE TIME NAUTICAL TOTAL UDE OTSTRIBUTION (PT./SEC.) 11000 FT1 (MOURS) MILES PEARS -35 -30 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 0.5 0.7.5 0.0 0.12.5 0.15 0.17.5 0.28 0.29 0.35 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 0.1	- 1	20 TO 25	0.	J.	9																		
STORM PLUS NOM-STORM  ALTITUDE TIME NAUTICAL TOTAL UDE DISTRIBUTION 1FT./SEC.1 11000 FT1 (NORS) MILES PEAKS -35 -35 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 -5 -7.5 -10 +12.5 +15 +17.5 +28 +29 +33 +35 -17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +17.5 +1	1	0 TO 35	٥.	٥.	0																		
ALTITUDE TIME NAUTICAL TOTAL UDE DISTRIBUTION (PT./SEC.)  L1000 FT1 (NOURS) MILES PEAKS -35 -30 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 05 07.5 -10 0.12.5 015 017.5 028 029 055 086 000 1 0.13 19.3 20 1 4 4 4 4 2 1  LT 0 2 -1.7 20.5 51 1 9 9 15 13 5 2 1  LT 0 2 -1.7 20.5 51 1 9 9 15 13 5 2 1  LT 0 10 0.5 0.7 1 15.7 10.6 1 1 7 7 1 4 6 14 3 1  LT 0 10 0.5 0.7 1 15.7 10.5 1 1 1 7 7 1 1  LT 0 10 0.5 0.7 1 15.7 10.5 1 1 1 1 1  LT 0 10 0.5 0.7 1 15.7 1 1 1 1  LT 0 10 0.5 0.7 1 15.7 1 1 1 1  LT 0 10 0.5 0.7 1 1 1 1 1  LT 0 10 0.5 0.7 1 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1 1 1 1 1 1  LT 0 1 0.5 0.7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		. 3140	2.10	717.4	771					٠	'	,	79	•1	• 7	,,	. 1	,		1			
1000 FT1 (MOURS)   MILES   PEMES   -35   -35   -35   -25   -20   -17.5   -15   -12.5   -10   -7.5   -5   -5   -7.5   -10   -12.5   -15   -17.5   -28   -29   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35   -35		1 7 1 7 1 10	1144	MAINT * C A .				\$1	-	LUS ME	W-510												
2 TO 5 0.74 151.2 104 1 7 31 46 14 3 1 1 7 10 10 10 10 10 10 10 10 10 10 10 10 10	i	BELOW 1	0.13	19.3	PEAKS 20	- > > -	35 -25	- 50	-17.5	-15 -	12.5	-10 -	7.5	-5	*5	7.5	.10	- 1	15 •			25	13 +15
12 TO 15 U-49 165-7 39 3 16 15 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 10 5	3.74	153.2	104					ı	L	1		31	46	14		1		1			
20 TO 25 0.12 201.4 4 2 2 2 2 2 2 2 3 3 TO 25 2 1 4 2 2 3 2 1 4 2 2 3 2 1 4 2 3 2 1 4 2 3 2 1 4 2 3 2 1 4 2 3 2 1 4 2 3 2 1 4 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	- 1	5 70 20	3.52	149.7	39							2	3	14	15	•		•		1			
ABOVE 35 21.91 9799.6 35	1	10 30	9.95	3003.0	29								1	•	2 2	,	1	,					
		BOVE 35	21.91	9799.8	35					ı	ı	4		LT	1.4	2				2			

# TABLE DYSO DISTRIBUTIONS OF DESIVES VERTICAL SUST VELOCITY FOR THE ROUTE SETWEN HICKAM APP. HAWAII AND CLARK AB, PHILIPPINES FOR THE SPRING SEASON

NON-STORM	CONDITIONS
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ALTITUDE (1000 PT) RELOW 1 1 TO 2 2 TO 5 3 TO 13	·. ··	U. (	-15 -36 -25	-20 -17.5 -15				ON (FT./ +5 +7.5		+12.5	+15 +11	7.5 +20	•25	•17 •19	
10 TO 15 15 TO 21 26 TO 25 25 TO 30 30 TU 35 ABOVE 35	3.63 25	67.1 4 (21.5 14 (19.4 7) (04.1 1			3	, ,	26 1	30 4		•					
TOTAL		100			3	3 3	43	47 6		•					
				STORM COND	TIONS										
ALTITUDE	TIME VAUT	LES PEARS		-20 -17.5 -15				ON IFT./		•12.5	*15 *17	.5 -20	•25	+32 +35	
BELON 1	0.15	3.0				1 ?	1	1 2	1	1					
2 f0 5 5 f0 15 10 f0 15	U.16 1.16 2.22	34.1 23 48.3 14 74.7 1			ı	ì	13								
15 TO 20 26 TO 25 25 TO 37	··	). (													
30 TO 35	· · · · · · · · · · · · · · · · · · ·	3. S													
TOTAL	1	.49.3 51			1	,	15	19 7	1	1					
				STORM PLUS NO											
ALTITUDE (1000 FT) BELOW 1		TCAL TOTAL LPS PLAKS		-26 -17.5 -15	12.5 -10		- 3 - 3	ON (FT./		12.5	+15 +17	.5 +20	•25	•10 •11	
1 TO 2 2 TO 3	L.03 C.16	5.0 2					10	1	•	•					
1 10 13 1 10 15 15 10 23	22	48.3 14 74.7 3				1	•	; ;							
20 TO 25 25 TO 30	6.26	01.5 14			3	,	2.	30 4		•					
AROVE 35	10.19 01	04.1 1 45.4 17 21.5 140			•		, ,			,					
						•		,,	•	•					
			DISTRIBUTION	TABLE D S OF DERIVED VER FOR THE ROUTE HICKAN AFB, AND CLARK AB, PHI FOR THM SUMMER SEA	TICAL GI BETWEEN HAWATT LIPPINES		OC   T Y								
ALTITUDE:	TIME YAUT	ICAL TOTAL			Ü	e 015T	N I Britis	M (FT./5	EC.1						
11000 FF9 0ELOW 1 1 FO 2 2 FO 5 5 TO 1: 10 FO 15	thours) MI			-20 -17.5 -15 -	12.5 -10	-7.\$	- 5	•\$ •7.•	•10	12.5	•19 •17.	.5 •23	•25	•32 •35	
15 10 25 20 10 25	3.22	99.6 24				2	i.	10 4							
25 TO 3. 30 TO 35 ABOVE 35	4.50 20	13.0 3 45.8 2 76.6 30				ı	\$3 5	17 1							
TOTAL	24.23 124	56.4 49				,	31	2.							
				STORM CONDI											
ALTITUDE (1800 FT)	TIME NAUT INCURSI MI	ICAL TOTAL LES PEAKS 6.8 25	-35 -30 -25	-20 -17.5 -15 -	12.5 -10	-7.5	-5 2	N (FT./5	•10 ·	12.5	.15 .17.	\$ +20	•25	•>> •>>	
1 10 2	0.19	25.1 45 44.9 41		ı	1 2	7	15	7 19	•	2	2				
9 70 10 10 10 15 15 70 23		77.9 40 79.4 5			•	•	•	17 4	٠	ı					
20 10 25	<b>:</b> :	3. ?													
30 10 35 ABOVE 35 TOTAL		0. 0 49.4 2 24.9 193		1	3 10	25	1 43	1 39	10		2				
				**************************************	H-1700H										
ALT I TUDE	TIME YAUT	ICAL TOTAL		STORM PLUS NO	UD	€ OIST		W_171./S					-		
RELDW L		6.0 25 25.1 65	-35 -30 -25	-20 -17.5 -15 -	12.5 -10	7	-5 2 13	*\$ *7.5 7 19	1	12.5	•15 •17. ?	5 +20	• 25	•12 •15	
2 TO 5	6.31	66.0 61 77.9 40		•	; ;		21	17	•	į	-				
18 TO 15 15 TO 25 20 TO 25	6.25	70.4 ) 81.4 ? 99.6 24				2	1	10 +							
25 TO 30 36 TO 35 480vt 35	4.50 20	13.0 3				1	2	1							
TOTAL		66.2 40 61.3 262		1	3 10	20		74 45	19	٠	2				

# TABLE DES» DISTRIBUTIONS OF DERIVED VERTICAL BUST VELOCITY FOR THE ROUTE BETWEEN HICKAR APPS, HAWAII AND CLARK AB, PHILIPPINES FOR THE AUTUMN SEASON

NON-STORM COMPLETIONS	NON-	STORM	COMPT	7 I 045
-----------------------	------	-------	-------	---------

		MON-STORM COMPITIONS				
ALTITUDE TIME NAUTICAL (1300 FT) HOURS! MILES 886.0W 1 0	TOTAL PRAKS -35 -30 -25 0 0 0 0 0 0 0 0 1 11 17 136	-20 -17.5 -15 -12.5 -1(	9 -7,5 -1 4 1 11 41	1 42 7 4	) •12. <b>5</b> •15 •17.5 •;	20 •25 •33 •35
		STORM CONDITIONS				
ALTITUDE TIME VAUTICAL (1000 FT) HOURS) MILES BELOW 1 0.07 9.9 1 fo 2 0.16 9.9 2 TD 3 0.30 9.30 9.30 9.30 9.30 9.30 9.30 9.	TOT/L PEARS -35 -30 -25 6 7 7 26 2 9 0 0 0 0 0 0	-20 -17.5 -15 -12.5 -16	PE DISTRIBU	2 2 2 3 11 1 1	*12.5 *15 *17.4 *2	·0 ·25 ·33 ·35 ·
		STORM PLUS NON-STORM				
ALTITUDE TIME WAUTICAL	TOTAL			TION (FT./SEC.)		
11002 FT1 HOURS) RILES 8810W 1 C.07 9.0 1 10 2 0.04 9.0 2 10 5 0.10 63.2 9 10 13 0.26 73.7 10 10 15 3.26 85.6 15 10 23 3.27 94.0 20 10 25 0.47 187.3		-20 -17.5 -15 -12.5 -18			*12.5 *15 *17.5 *2	0 •25 •36 •35
25 10 30 0.67 266.8 30 10 15 14.36 5986.2 480VE 35 11.91 5210.5 10TAL 28.66 11986.7	111 17 101	3	7	1 42 7 4 10 75 10 7	i i	
	DESTREBUTION	TABLE DAY  OF DERIVED VERTICAL GU FOR THE ROUTE BETWEEN HICKAM AFB, MAMAII AND CLARK AR, PHILEPPINES FOR THE HONTH OF JANUARY NON-STORM CONDITIONS		•		
ALTITUDE TIME NAUTICAL	TOTAL		6 DISTRIBU	TIGN (FT./SEC.)		
11003 PT1 (MOURS) MILES BELOW I L. 3. 1 70 2 0. 3. 2 70 5 J. 0. 2 70 5 J. 0. 15 70 16 J. J. 10 70 15 J. 15 J. 10 70 15 J. 20 J. 20 70 25 0.51 20 J. 25 70 30 3.65 15-0.7 30 70 35 10.13 4137.6 4807£ 35 10.18 7149.2 TOTAL 313 13204.5		-20 -17.5 -15 -12.5 -10 2			+12.5 +15 +17.5 +21 1	0 •25 •33 •35
		STORM CONDITIONS				
ALTITUDE TIME NAUTICAL	TOTAL	UD	E DISTRIBUT	110N (FT./SEC.)		
11903 FT   (MOURS)   MILES   BRIOM   0-17   10-7   1 fo 2	PEAKS -35 -30 -25 11 23 7 6 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-20 -17.6 -15 -12.5 -10 1	-7.9 -9 2 l 2 4 3 10	5 07.5 010 4 3 1 5 6 3 12 3 2	•12.5 •15 •17.5 •26	9 *25 *30 *35
TOTAL 1.46 371.1	74	i i	7 19	25 12 4	2 1	
		STORM PLUS NON-STORM				
ALTITUDE TIME VAUTICAL	TOTAL	UDI	E OLSTAI BUT	10N (FT./SEC.)		
C1000 FT1 (HOURS) MILES MELOW 1 G.37 12.7 1 TO 2 3.12 19.3 2 TO 5 0.51 105.7 5 TU 10 C.41 123.3 10 TO 15 3.34 115.1 15 TO 25 0.34 131.1 20 TO 25 G.51 203.4 25 TO 3C 3.65 150.9 3G TO 35 10.13 4157.6	11 21 37 6 2 16 3	-20 -17.5 -15 -12.5 -10 1 2	2 1 2 4 3 10 3 1	4 1 1 5 4 3 12 1 2 3 1 5 2 1	•12.5 •15 •17.5 •26 1 1 1	, •25 •30 •35
ABOVE 35 16-18 7194-2 TOTAL 32-49 13579-6	16	i 3	11 32	49 17 7	2 2	

# TABLE DASG DISTRIBUTIONS OF DERIVED VERTICAL GUST VELECITY FOR THE ROUTE SETWERN HICKAM APE, MAWATI AND CLARK AS, PHILIPPINES FOR THE RONTH OP RARCH

			HON-STORM CONDITIONS	
ALTITUDE	TIME MAUTICAL		-25 -20 -17.5 -15 -12.5 -10 -7.5 -5 +5 +5	PT./SEC.)
DELOW 1	(HOURS) MILES	PEAKS -35 -3	-29 -20 -17.9 -15 -17.9 -10 -7.9 -9 -9	· · · · · · · · · · · · · · · · · · ·
1 10 2	3. G. 3. J.	9		
5 10 13	0. 0.	8		
15 10 15	6.37 24.0	)	1	
20 10 25	0.07 26.0 0.00 35.1	1.0	• 10	
30 TO 35	1.70 797.6 3.06 1703.0	C		
TOTAL	5.44 2505.0		11 10	
			STORM COMDITIONS	
ALTITUDE	TIME VAUTICAL	TOTAL PEARS -35 -31	-25 -20 -17.5 -15 -12.5 -10 -7.5 -5 +5	/T./SEC.) •7.5 •10 •12.5 •15 •17.8 •28 •25 •33 •39
BEL Ow 1	0.02 2.6	0		
1 10 2	0.02 3.2	ů	ı	
9 TO 13	6.09 10.0			
15 10 23	ù. P.	2		
20 10 25	0. 0.	Ó		
30 TO 35	o. o.	0		
TOTAL	0.13 37.3	1	1	
			STORM PLUS NON-STORM	
		CSS.	STORM PLUS MUN-STORM UND DISTRIBUTION (P	
11303 FT1	TIME NAUTICAL	PEARS -35 -30	-25 -20 -17.5 -15 -12.5 -10 -7.5 -5 +5 +	
BELOW 1	3.32 2.6			
2 10 5	6.32 5.2	ĩ	1	
5 10 10 10 10 15	6.59 10.9	G		
20 10 25	0.07 24.0	3	'}	
25 TO 30 30 TO 35	0.38 39.1 1.78 797.6	10	• 10	
ABOVE 35	3.44 1703.0	0	12 10	
TOTAL	5.99 2423.1	22	12 10	
		DISTAIG	TABLE D2% FITTOMS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETWERN MICKAN AFS, HAWAII AND CLARK AS, PHILIPPINES FOR THE MONTH OF APRIL	
			NON-STORM CONDITIONS	
ALTITUDE	TIME VAUTICAL	TOTAL PEAKS -35 -30	UDE DISTRIBUTION (P	T./SEC.) 7.5 +10 +12.5 +15 +17.5 +20 +25 +33 +35
BELOW 1	3.	0	-23 -26 -17.3 -13 -12.3 -13 -7.3 -3 -7 -7	7,5 *10 *12.5 *15 *17.5 *20 *25 *33 *35
2 10 2	o. o.	3		
5 FO 11 10 TO 15	: 8:	č		
15 10 23	0.10 36.5		ı	
25 10 3.	5.12 49.1	9	1	
30 TO 35	5.75 2512.7	i	j •	2
TOTAL	9.43 4139.5	10	• •	2
			STORM COMDITIONS	
ALTITUDE	TIME NAUTICAL	TOTAL	UDE DISTRIBUTION IF	1./500.)
(1830 FT)	(HOURS) HILES	PEARS -39 -30	-25 -20 -17.8 -15 -12.5 -10 -7.5 -5 +5 +	7.5 •10 •12.5 •15 •17.5 •20 •25 •30 •35
1 10 2	3.01 1.5	2	1	1
2 TO 5 5 TO 10	0.11 20.5 0.37 22.1	10	1 1 2 4	2 1
10 10 15	0.10 14.1	0		
20 10 25	6. 2. 3. 0.	Ĉ		
30 TO 35		č		
TOTAL	0:32 02:3	34	1 2 5 7 11	* 1 1
			STORM PLUS NON-STORM	
ALTITUDE	TIME NAUTICAL	TOTAL PEARS -35 -30	UDE DISTRIBUTION (F)	T./SEC.) T.5 +10 +12.5 +15 +17.5 +20 +25 +33 +35
BELOW L	0.03 4.3	10		1 1
2 70 5	0.01 1.5 0.11 20.5	12	1 1 4 4	ž
5 TO 10 10 TO 15	0.10 34.1	10	1 2 4	1
26 10 25	0.10 34.5	1	1	
25 TO 30 30 TO 35	3.34 1492.0	1	1	
AGOVE 35	5.75 2512.7 7.76 4222.0	. i	1 7 9 11 15	2 1 1
107 ML		•		- , ,

## TABLE BOM DISTRIBUTIONS OF DORIVON VENTICAL BUST VOLUCITY FOR THE ROUTE DETACON HICKAR APP. MARAII AMB CLARA AD. PHILIPPINES FOR THE HONTH OF RAY

				W- 110	MM (0MP)111	CM P									
A 11700E	TIME HAUTH	IS PRAKS	-15 -10 -25	-20 -17.5	-19 -12.9	-10	-7.1	-5	104 (	77./SFC.	12.	*15	17.5 -20	•25	•12 •11
1 10 2 1 10 1	0.	:													
5 TO 10	0.	. 0													
15 10 20	0.04 2							,	•						
25 TO 30 30 TO 35	0.00 3	1.1 55			1	3	3	ı	5.0	•	•				
ABOVE 39	8.70 392 9.47 422				3	,	3	20	11						
1000	1111					_	_								
				STORM	COMDITION										
	TIME NAUTIO	5 .45	-35 -30 -25	-20 -17.5	-15 -12.5	-10	-7.9	-5	104	**************************************	.12.5	.15 .	17.5 -20	.25	. 33 . 35
1 10 2		0													
3 10 3	0.04 13							;	i						
10 TO 15 15 TO 20 20 TO 25	5.	. 6							3	1					
25 TO 30 30 TO 35	0.	. 0													
ABOVE 35	0.	i. ŭ						,		ı					
10,-1	****							•		•					
				STORM P	LUS NON-STO										
	TIME VAUTE	S PEARS	-35 -36 -25	-20 -17.5	-15 -12.5					7.5 ·16		.15 .	17.5 +20	•25	*10 *11
1 10 2	0 32 1							,							
3 10 13	3 11							}	2	1					
10 TO 15 15 TO 20 20 TO 25	0.34 21	. 0						,		•					
25 10 33 30 70 35		.1 99			3	3	•	10	20	•	•				
TOTAL	9.63 4276				3	3	,	33	41	5	•				
				HICHAM CLARK AI FI MONTH	ROUTE BETWI AFB, HAMAI AND B, PHILIPPI OR THE OF JULY AM CONDITION	I I I NES									
ALTITUDE	TIME MAUTE		-15 -30 -25	-20 -17.5	-15 -12.5	-10	-7.5	-5	10N 11	FT./SEC.1	• 12.9	•15 •	17.9 +20	+25	+10 +15
0010w 1 1 TO 2 2 TO 5 5 TO 10	0. 6.	. 0													
10 TO 15 15 TO 25 20 TO 25	0.22	.4 7					,	1	10						
25 TO 30 30 TO 35	0.27 111	.0 3					ī	ž	i	ì					
ABOVE 35	20.23 1245	. 6 38					,	31	17	1					
				7.00	nanchi.										
A. * 4 * · · · · ·	11m2 va	AL 1014		STORM	COMBITIONS	1100	01114	1847	104 44	FT./SEC.1					
ALTITUDE (1900 PT) BELOW L	TIME VAUTIO	S PEAKS	-35 -30 -25	-20 -17.5	-15 -12.5		-7.5 7	- 3		7.5 -10	+12.5	•15 •	17.5 -20	+25	• > 9 • > 9 • 3 9
1 10 3	0.15 25	.0 61		1	1 2	ż	į	15	15	1	2	2			
9 TO 13	0.25 71	. 40			_	•	•	4	17	• •					
15 TO 20 20 TO 25	). d	. 0													
30 10 30	0.	:													
ABOVE 35	2.26 624			l.	,	10	25	4	45	39 19	•				
				STORM PL	US NON-570	M M									
ALTITUDE	-					UDE			OH 11	1./546.1		. 1.5		1.64	
BELOW 1	0.05	. 8 25	-35 -30 -25	-20 -17.5		-10	-7,5	-	*	7.5 •10	2	13 .	17.5 -20	*73	•33 •35
1 TO 2 2 TO 3 3 TO 10	0.31 64	.1 65 .0 61		1	j	•	ĭ	31	13		1	•			
10 TO 15 15 TO 20	0.23 79					•		ī	1						
29 10 25	0.24 09 0.27 113	.6 24					3	į	10	•					
30 TO 35	4.50 2045	: 4			_		1	71	LO	1					
TOTAL	30.49 13801	.3 262		ı	3	10	30	74	74	45 19	•	,			

# TABLE DISK DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETWERN HICKAR ADD, HAWAII AND CLARK AB, PHILIPP NES FOR THE MONTH OF NOVEMBER

### NON-STORM CONDITIONS

				NON-STORM CON	DITTSAS								
ALTITUDE	TIME NAUTICAL			-20 -17.5 -15 -	U08 0	ISTRIBUT	ION IFT.	SEC.1					.10 .15
0ELDW 1	O. O.	PEAKS	-35 -36 -25	-20 -17.5 -15 -	15.5 -10 -1	., -,	** ****	-10	*14.>	V13 V	17.5 -20	***	****
1 10 2	3. 3.	C											
5 10 13	0. 0.	0											
10 10 15	3. 3.27 %.1					4	2						
25 TO 33	G.47 187.1 0.67 266.6						-1						
30 10 13	14.34 5986.2	111			3	11 49	42 7	4		L			
ABOVE 35	11.93 5210.5 27.71 11747.6				3	11 55	55 7	4		ı			
				STORM CONDI	TIONS								
ALTITUDE	TIME NAUTICAL						ION IFT.						
BELOW 1	0.27 9.4		-39 -30 -29	-20 -17.5 -19 -	12.5 -10 -1	.5 -5	3 17.3		•17.5	.,, .	17.3 -20	*27	•33 •35
1 10 5	1.76 9.9	7				1 12	11 1	ı					
9 TO 10	1.35 60.2 13.2					1	1	•					
10 TO 15	0.26 65.6					3	1						
25 10 25	3.	ŏ											
33 10 35	J. 0.	3											
TOTAL	0. 0.96 238.9	45				1 10	20 3	3					
				STORM PLUS NO	N-STORM								
ALTITUJE	TIME VAULICAL		-16 -11 -11	-20 -17 5 -15	UDE 0	15TA 18UT	10N (FT./		.12 -	418 6	7.4 434		•30 •35
REL DW 1	L.,7 P.		-33 -33 -23	-20 -17.5 -15 -	15.2 -10 -1		2 2	-10	-14.7	-, s •	749	*67	- 20 VID
1 10 2	0.30 60.3	7				1 12	11 1	1					
5 10 16	L.26 73.2	2				1	1	•					
10 10 15	0.27 96.9	•				:	ļ						
25 10 30	0.47 187.1 0.67 266.6	0				1	1						
30 10 35	14.36 5986.2	111			3	11 43	10 7	•		l.			
TOTAL	20.44 11984.7				3	12 73	75 19	7		1			
				TABLE D	P 1/2								
			DESTRIBUTEO	TABLE D.  S OF DERIVED YER FOR THE ROUTE! HECKAM AFS. ! AND CLARK AR, PM! FOR THE MONTH OF DEC! NON-STORM COM!	TICAL GUST BETWEEN HAWAII LIPPINES ENGER	VEC 00 114							•
AA 717u00	TIME MAUTICAL	TOTAL	015741807108	IS OF DERIVED VER FOR THE ROUTE! HICKAM AFB,! AND CLARK AR, PHI! FOR THE HONTH OF DECI	TICAL GUST BETWEEN MAWALI LIPPINES EMBER DITIONS			sec.)					
ALTITUDE (1830 F1)	TIME MAUTICAL IMOUASS MILES	PEARS	OLST418UT108	IS OF DERIVED VER FOR THE ROUTE! HICKAM AFB,! AND CLARK AR, PHI! FOR THE HONTH OF DECI	TICAL GUST BETWEEN HAWALI LIPPINES EMBER DITIONS	ISTRIBUT	ION (PT./ +5 +7.5	SEC.) +10	•12.5	•19 •1	7.5 •20	•25	*33 *35
1 10 2	(HOURS) HILES	PEARS		IS OF DERIVED VER FOR THE ROUTE I HECKAM AFB.; AND CLARK AR, PMI FOR THE MONTH OF DECI	TICAL GUST BETWEEN HAWALI LIPPINES EMBER DITIONS	ISTRIBUT	ION IFT./	SEC.1 +10	+12.5	•15 •1	7.5 +20	•25	•33 •35
(1030 PT) 00LOW 1 1 TO 2 2 TO 5 5 TO LJ	(HOURS) MILES  1. 0.  2. 3.  1. 2.	PEARS 0 0 0		IS OF DERIVED VER FOR THE ROUTE I HECKAM AFB.; AND CLARK AR, PMI FOR THE MONTH OF DECI	TICAL GUST BETWEEN HAWALI LIPPINES EMBER DITIONS	ISTRIBUT	ION IFT./	\$EC.1 +10	•12.5	•15 •1	7.5 -20	•25	*33 *35
(1630 PT) 66LOW 1 1 TO 2 2 TO 5 5 TO LU 10 TO 15	(HOURS) MILES	PEARS		IS OF DERIVED VER FOR THE ROUTE I HECKAM AFB.; AND CLARK AR, PMI FOR THE MONTH OF DECI	TICAL GUST BETWEEN HAWALI LIPPINES EMBER DITIONS	ISTRIBUT	TION 1FT./ +5 +7.5	SEC.) +10	•12.5	*19 *1	7.5 +20	•25	*32 *35
11030 FT1 06L0M 1 1 TO 2 2 TO 5 5 TO 15 15 TO 20 20 TO 25	HOURS HILES	PEARS 0 0 0 0		IS OF DERIVED VER FOR THE ROUTE I HECKAM AFB.; AND CLARK AR, PMI FOR THE MONTH OF DECI	TICAL GUST BETWEEN HAWALI LIPPINES EMBER DITIONS	STRIBUT   \$ -5	ION 1PT./ +5 +7.9	SEC.1 +10	•12.5	•15 •1	7.5 •20	•25	*32 *35
11030 FT1 06L0w 1 1 TO 2 2 TO 5 5 TO LU 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35	HQUAS HILES L. 0. 3. 3. L. '. C. 3. G. 0. C.16 58:1 U.21 83:9 8.08 2539:0 4.42 1963:3	PEARS 0 0 0 0 2 4 29		IS OF DERIVED VER FOR THE ROUTE I HECKAM AFB.; AND CLARK AR, PMI FOR THE MONTH OF DECI	TICAL GUST BETWEEN HAWALI LIPPINES EMBER DITIONS		2 2 11 1	\$EC.) +10	•12.9 1	•15 •1	7.5 +20	•25	*32 *35
11030 FT1 0ELOW 1 1 TO 2 2 TO 5 5 TO 15 19 TO 20 20 TO 25 25 TO 33	HOUAS) MILES U. 0. 3. 3. 4. 2. 6. 0. 6. 0. 6.16 50.1 6.21 63.8 6.00 2339.0	PEAKS 0 0 0 0 2 4 4 29		IS OF DERIVED VER FOR THE ROUTE I HECKAM AFB.; AND CLARK AR, PMI FOR THE MONTH OF DECI	TICAL GUST BETWEEN HAWALI LIPPINES EMBER DITIONS		TON 1FT./ +5 +7.5 2 22	•10		*19 *1	7.5 •20	•25	*32 *35
11030 FT   04L0w 1   1 TO 2   2 TO 5 TO LJ 10 TO 2   2 TO 3 TO 2 TO 2 TO 3 TO 3 TO 3 TO 3 TO	IMDURS) MILES L. 0. 3. 3. L. 7. L. 0. C. 0. C.16 58:1 U.21 83:8 0.08 23:9:0 4.42 193:3 5.72 2605:3	PEAKS 0 0 0 0 2 4 4 29		IS OF DERIVED VER FOR THE ROUTE I HICKAM AFB. I CLARK AR, PMII FOR THE MONTH OF DECI NON-STORM CONI -23 -17.9 -15 -1	TICAL GUST BETWEEN HAWAII LIPPINES EMBER DITIONS UDE 0 12.5 -10 -7		2 2 2 2 11 1	+10	1	•15 •1	7.5 +20	•25	*32 *35
(1000 PT) 081.0W 1 082.0W 1 0 2 2 TO 5 5 TO 10 10 TO 15 15 TO 25 20 TO 25 25 TO 30 30 TO 35 40 TO 35 40 TO 35	HOURS) RILES U. 0. 0. 3. U. 3. U. 3. U. 3. U. 3. U. 10. U. 11. U. 21. U.	PEAKS 0 0 0 0 0 2 4 29 28 19		IS OF DERIVED VER FOR THE ROUTE I HECKAM AFB.; AND CLARK AR, PMI FOR THE MONTH OF DECI	TICAL GUST BETWEEN HAWAII LIPPINES EMBER DITIONS UDE 0 12.5 -10 -7	2 2 2 1 4 1 11 2 35	2 2 2 1 1 7 42 1	1 1	1	+15 +1	7.5 +20	•25	*32 *35
11030 FT   04L0w 1   1 TO 2   2 TO 5 TO LJ 10 TO 2   2 TO 3 TO 2 TO 2 TO 3 TO 3 TO 3 TO 3 TO	TIME VAUTICAL	PEAKS 0 0 0 0 2 4 29 19 82	-)9 -30 -29	IS OF DERIVED VER FOR THE ROUTE I HICKAM AFB. I CLARK AR, PMII FOR THE MONTH OF DECI NON-STORM CONI -23 -17.9 -15 -1	TICAL GUST BETWEEN MANAII LIPPINES EMBER DITIONS UGE 0 12.5 -10 -7		2 2 2 11 1 7 42 1	+10 1 1 1 5FC.1	1				*32 *35
1000 FT1 00100 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 25 25 TO 35 ABOVE 35 TOTAL	TIME VAUTICAL MODES 6.08 8.08	PEARS  O  O  O  O  2  4  20  10  02  TOTAL PEARS	-)9 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB. I CLARK AA, PHII FOR THE HONTH OF DEC. NON-STORM CONI -23 -17.3 -15 -1	TICAL GUST BETWEEN MANAII LIPPINES EMBER DITIONS UGE 0 12.5 -10 -7		2 2 2 1 1 1 7 42 1 100 (FT./*	+10 1 1 +10 1	1 1				
ALTITUDE  ALTO 2  2 TO 2  3 TO 1  1 TO 2  2 TO 3  5 TO LJ  10 TO 2  20 TO 25  25 TO 3  30 TO 3  30 TO 3  40 TO 3  40 TO 3  40 TO 3  40 TO 3  41 TO 2  42 TO 2  42 TO 2	THE VAUTICAL HOURS   HILES   G-08   HILES   HI	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-)9 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB. I CLARK AA, PHII FOR THE HONTH OF DEC. NON-STORM CONI -23 -17.3 -15 -1	TICAL GUST BETWEEN MANAII LIPPINES EMBER DITIONS UDE O 12.5 -10 -7	2 2 2 1 6 11 11 2 35 15 TRIBUT .5 -5 3 5 3 5 4 21 1	2 2 22 11 1 7 42 1 10N (PT./ +5 *7.5	+10 1 1 1 5FC.1	1 1 •12.5				
6100 FT 6100 F	THE VAUTICAL MILES G-05 G-06 G-06 G-06 G-07 G-07 G-07 G-07 G-07 G-07 G-07 G-07	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-)9 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB. I CLARK AA, PHII FOR THE HONTH OF DEC. NON-STORM CONI -23 -17.3 -15 -1	TICAL GUST BETWEEN MANAII LIPPINES EMBER DITIONS UDE 0 12.5 -10 -7		2 2 2 1 1 1 4 2 1 1 10 10 17 17 1 1 1 1 1 1 1 1 1 1 1 1	+10 1 1 5FC.1 +10 1 2	1 1				
ALTITUDE (1002 PT) ALTITUDE (1002 PT) ALTITUDE (1002 PT) BELOW	TIME VAUTICAL MILES G-09 T-043.7  TIME VAUTICAL MOUNTS IN ILES G-09	PEAKS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-)9 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB. I CLARK AA, PHII FOR THE HONTH OF DEC. NON-STORM CONI -23 -17.3 -15 -1	TICAL GUST BETWEEN MANAII LIPPINES EMBER DITIONS UDE 0 12.5 -10 -7		2 2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	+10 1 1 +10 +10 2	1 1 •12.5				
ALTITUDE (100 PT) ALTITUDE (10	TIME VAUTICAL (MOURS) RILES 2 100.3   1	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-)9 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB. I CLARK AA, PHII FOR THE HONTH OF DEC. NON-STORM CONI -23 -17.3 -15 -1	TICAL GUST BETWEEN MANAII LIPPINES EMBER DITIONS UDE 0 12.5 -10 -7		2 2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	+10 1 1 +10 +10 2	1 1 •12.5				
ALTITUDE (100 PT) ALTITUDE (10	THE VAUTICAL (MOUNTS) # 12.5    THE VAUTICAL (MOUNTS) # 12.5	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-)9 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB. I CLARK AA, PHII FOR THE HONTH OF DEC. NON-STORM CONI -23 -17.3 -15 -1	TICAL GUST BETWEEN MANAII LIPPINES EMBER DITIONS UGE D 12.5 -10 -7	2 2 2 1 6 1 11 2 35 15 TRIBUT. 5 -5 2 3 5 4 21 3 13	2 2 2 11 1 7 42 1 10M (FT./) +5 +7.5 1 10 7 7 3 4 11 4 6	+10 1 1 +10 1 2 1	1 1 •12.5 1 1				
ALTITUDE CLOVE FTI  ACTUME  ALTITUDE CLOVE FTI  10 TO 15  ABOUT 35  ABOUT 35	THE VAUTICAL HOURS   RILES C-05 R	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-)9 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB. I CLARK AA, PHII FOR THE HONTH OF DEC. NON-STORM CONI -23 -17.3 -15 -1	TICAL GUST BETWEEN MANAII LIPPINES EMBER DITIONS UGE D 12.5 -10 -7		2 2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	+10 1 1 +10 +10 2	1 1 •12.5				
ALTITUDE (100 PT) ALTITUDE (10	THE VAUTICAL (MOUNTS) # 12.5    THE VAUTICAL (MOUNTS) # 12.5	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-)9 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB. I CLARK AA, PHII FOR THE HONTH OF DEC. NON-STORM CONI -23 -17.3 -15 -1	TICAL GUST BETWEEN MANAII LIPPINES EMBER DITIONS UDE 0 12.5 -10 -7	2 2 2 1 6 1 11 2 35 15 TRIBUT. 5 -5 2 3 5 4 21 3 13	2 2 2 11 1 7 42 1 10M (FT./) +5 +7.5 1 10 7 7 3 4 11 4 6	+10 1 1 +10 1 2 1	1 1 •12.5 1 1				
ALTITUDE	TIME VAUTICAL (MOURS) 41-25 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-2-2 5-	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB.  CLARK AB, AND LOAR AB, HONTH OF DEC. NON-STORM CONI  -20 -17.3 -15 -:  STORM CONOT  -27 -17.5 -15 -:  STORM PLUS NON- STORM PLUS NON- STORM PLUS NON-	TICAL GUST BETWEEN MANAII LIPPINES EMBER DITIONS UDE D 12.5 -10 -7	2 2 2 1 6 111 2 35 15 TRIBUT .5 -5 2 5 4 21 1 3 13 42	2 2 2 11 1 7 42 1 10M (FT./) 45 47.5 1 10 6 62 26	*10 l l l l l l l l l l l l l l l l l l l	1 1 *12.5 1 1 1	•15 •1	7.5 +20	·25	•39° •35
ALTITUDE (1000 FT)	TIME VAUTICAL (NOURS) RILES  C. 0.0  C. 0.0  C.16 58:1  U.21 83:0  4.42 190:3.  7.72 2605:9  16.59 7045:7  U.17 9:30  C.16 50:0  C.16 50:0  C.16 50:0  C.16 50:0  C.17 9:30  C.1	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-)9 -30 -29	S OF DERIVED VER FOR THE ROUTE INCKAM AFB. HOLD AND CLARK AR. HOLD FOR THE MONTH OF DEC. NON-STORM CONI-29 -17.5 -15 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -15 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5	TICAL GUST BETWEEN MANAII LIPPINES EMBER DITIONS UDE D 12.5 -10 -7	2 2 2 1 6 111 2 35 15 TRIBUT .5 -5 2 5 4 21 1 3 13 42	2 2 2 11 1 7 42 1 10N (FT./	*10 l l l l l l l l l l l l l l l l l l l	1 1 *12.5 1 1 1	•15 •1		·25	•39° •35
ALTITUDE 1100 971  BELOW 120 2 100 2 2 100 2 3 100 10 15 10 20 25 10 30 36 10 35  ABOVE 35  TOTAL  ALTITUDE 11002 PTI 9810W 1 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10	TIME VAUTICAL (NOURS) RILES C.58 B.0.0 C.0.0 C.0	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB.  CLARK AB, AND LOAR AB, HONTH OF DEC. NON-STORM CONI  -20 -17.3 -15 -:  STORM CONOT  -27 -17.5 -15 -:  STORM PLUS NON- STORM PLUS NON- STORM PLUS NON-	TICAL GUST BETWEEN MANAII LIPPINES ÉMBER DITIONS UDE 0 12.5 -10 -7  TIONS UOE 0 12.5 -10 -7  1		2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1	•15 •1	7.5 +20	·25	•39° •35
ALTITUDE (1000 FT)	TIME VAUTICAL (MOURS) HILES C.28 G.28 G.28 G.27 G.27 G.27 G.27 G.27 G.27 G.27 G.27	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB.  CLARK AB, AND LOAR AB, HONTH OF DEC. NON-STORM CONI  -20 -17.3 -15 -:  STORM CONOT  -27 -17.5 -15 -:  STORM PLUS NON- STORM PLUS NON- STORM PLUS NON-	TICAL GUST BETWEEN MANAII LIPPINES EMBER DITIONS UDE 0 12.5 -10 -7		2 2 2 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1	*10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	•15 •1	7.5 +20	·25	•39° •35
ALTITUDE (1000 FT)	TIME VAUTICAL (MOURS) HILES C.36 G. C.	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB.  CLARK AB, AND LOAR AB, HONTH OF DEC. NON-STORM CONI  -20 -17.3 -15 -:  STORM CONOT  -27 -17.5 -15 -:  STORM PLUS NON- STORM PLUS NON- STORM PLUS NON-	TICAL GUST BETWEEN MANAII LIPPINES ÉMBER DITIONS UDE 0 12.5 -10 -7  TIONS UOE 0 12.5 -10 -7  1		ION 1FT./ +5 +7.5 2 2 2 2 2 10 + 1 +5 +7.5 10 + 7 3 + 1 4 - 1 10 + 6 10 + 7 10 + 7 11 + 6	*10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	•15 •1	7.5 +20	·25	•39° •35
ALTITUDE (1000 F1)	TIME VAUTICAL (MOURS) MILES C.04 7.2 C.15 90.1 C.16 90.1 C.16 90.1 C.16 90.1 C.16 90.1 C.16 90.1 C.17 90.1 C.17 90.1 S.16 90.1 S.17 90.1	TOTAL PEARS 72 7 37 37 2 4 4 29 4 4 2 9	-35 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB.  CLARK AB, AND LOAR AB, HONTH OF DEC. NON-STORM CONI  -20 -17.3 -15 -:  STORM CONOT  -27 -17.5 -15 -:  STORM PLUS NON- STORM PLUS NON- STORM PLUS NON-	TICAL GUST BETWEEN MANAII LIPPINES ÉMBER DITIONS UDE 0 12.5 -10 -7  TIONS UOE 0 12.5 -10 -7  1		ION 1FT./ +5 +7.5 2 2 2 2 2 10 + 1 +5 +7.5 10 +7.7 3 + 1 4 + 1 10 + 6 10 + 6 10 + 7.7 11 + 6 11 + 6 2 2 2	*10 1 1 1 *10 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	•15 •1	7.5 +20	·25	•39° •35
ALTITUDE (1000 FT)	TIME VAUTICAL (MOURS) RILES 5-3-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -30 -29	S OF DERIVED VER FOR THE ROUTE I HICKAM AFB.  CLARK AB, AND LOAR AB, HONTH OF DEC. NON-STORM CONI  -20 -17.3 -15 -:  STORM CONOT  -27 -17.5 -15 -:  STORM PLUS NON- STORM PLUS NON- STORM PLUS NON-	TICAL GUST BETWEEN MANAII LIPPINES ÉMBER DITIONS UDE 0 12.5 -10 -7  TIONS UOE 0 12.5 -10 -7  1		2 2 2 1 1 7 4 2 1 1 1 4 3 1 4 6 1 1 6 6 2 2 6	*10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	•15 •1	7.5 +20	·25	•39° •35

## TABLE D24s DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN MICKAN AFB, MANAIL AND ANDERSON AB, GUAR

### NON-STORM CONDITIONS

ALTITUDE TIME NAUTICAL TOTAL 1074   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0						Per	DH-510		MOITI	042											
SECOND						••													. 19	.14	
1 TO 2 0. 5. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.				PEARS	-35 -30 -25	- 20	-17.5	-13	-11.3	-10	-1.5	• •	• •	• 7.5	•10	. 12. 7	.13			.4.	***
\$ 10 10 5 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.																					
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STORM COMSITIONS  ALTITUDE TIME NAUTICAL TOTAL (1323 PT) (MOURS) MILES PERKS -35 -30 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 +5 +5 +7.5 +10 +12.5 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +20 +25 +15 +20 +25 +20 +25 +20 +25 +20 +25 +20 +25 +20 +25 +20 +25 +20 +25 +20 +2								•	_	_					• • •	-	•	•			
STORM COMDITIONS  ALTITUDE TIME NAUTICAL TOTAL (1302) FTI (MOURS) MILES PERS -35 -30 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 -5 -5 -7.5 -10 -12.5 +15 -17.5 +20 +25 +15 -17.5 +20 +25 +15 -17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +17.5 +20 +25 +15 +15 +15 +15 +15 +15 +15 +15 +15 +1								1									2	L.			
ALTITUDE TIME HAUTICAL TOTAL (1302 FT1 (HOURS) RILES PEAKS -35 -30 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 +5 +7.5 +10 +12.5 +17.5 +20 +25 +12 +1 +1 +1 +1 +1 +1 +1 +1 +1 +1 +1 +1 +1	1 01 M	93.27	41027.6	1440		2		•	14	34	111	104	733	1 73	• ?	13	•	,	r		
C1202 FT   (MOURS)   MILES   PEARS   -35 -30 -25   -20 -17.5 -15 -12.5 -10 -7.5   -5   -5   -7.5   -10   -12.5   -15   -17.5   -20   -29   -32   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39   -39							STORM	CUMO	ITION	s											
### ADDITECT HOURS   NILES   PERES   -35 -30 -25   -20 -17.5 -15 -12.5 -10 -7.5   -3   -5   -7.5   -10   -12.5   -15   -17.5   -20   -29   -32   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25   -25	ALT LTUDE	TIME	MAUTICAL	TOTAL						LINE	0151	#10U	1104	F1./5							
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25 TO 53 U. O. U. O. U. ABOVE 35 C. O. U. ABOVE 35 C. O. U. U. U. O. U.				ζ							•										
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STORM PLUS NON-STORM  ALTITUDE: TIME HAUTICAL TOTAL (1050 FT) (HOURS) RILES 168 - 55 - 50 - 25 - 20 - 17.5 - 15 - 12.5 - 16 - 7.5 - 5 - 5 - 5 - 7.5 - 10 - 12.5 - 15 - 17.5 - 28 - 25 - 33 - 31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				· ·																	
ALTITUDE: 11ME NAUFICAL 10TAL 10TAL 11BUTTON 1FF./SEC.) 11BUTTON 1							1	•	3	16	48	8.5	100	47	31	17	•	•	•	ı	
Algor FT   CHOURS   MILES   NEARS   -95 -30 -25   -20 -17.5   -12.5 -10 -17.5   -9   -9   -7.5   -10   -12.5 -10   -17.5   -20   -22   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -						\$1	104H PI	LUS N	ION-51	DR M											
Algor FT   CHOURS   MILES   NEARS   -95 -30 -25   -20 -17.5   -12.5 -10 -17.5   -9   -9   -7.5   -10   -12.5 -10   -17.5   -20   -22   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -23   -	ALTITUDE.	1 1 100	NAUTICAL	IDTAL						UDE	0151	R [ B(/)	1104 (	FT./S	£C.1						
1 TO 2 :.00 12W-7 10W 1 2 14 31 33 17 5 3 1 1 1 2 7 7 7 7 7 1 1 1 1 2 7 7 7 7 7 1 1 1 1	(1095 FT)	(HOURS	I MILES		-35 -30 -25	- 20				-10	-1.5	- 9	. 5	. 7.5	.10						+13 +35
2 TO 5 2.05 360.5 142 1 3 6 19 36 67 19 11 2 1 3 10 10 10 10 10 10 10 10 10 10 10 10 10							1													ı	
5 TO 1° 0.01 275.7 16 1 1 8 5 1 1 1 1 20 TO 15 0.03 315.5 7 1 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									ı		14						1		ı		
10 TO 15 0.93 310.5 7 1 1 6 15 TO 20 1.23 373.2 12 2 6 6 2 7 15 TO 20 1.23 373.2 12 2 6 7 25 3.99 1577.7 473 2 1 8 14 44 146 178 54 15 7 2 1 1 25 TO 30 5.95 2391.4 446 2 2 5 8 40 127 188 54 11 1 1 1 1 30 TO 35 20.13 8747.2 17 6 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								,		•						•					
15 TC 21 13 375.2 12 4 6 2 2 72 75 3.09 1577.7 473 2 1 8 14 44 146 178 54 15 7 2 1 1 25 T3 30 5.95 2393.4 446 2 2 5 8 49 127 188 54 11 1 1 1 1 30 T1 35 22.15 8747.2 17 6 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												•		•	•						
25 TO 30 5.95 2595.4 446 2 5 R 48 [27 [88 54 11 1 1 1 30 70] 30 TO 35 20-15 8747.2 17 6 13 1 4 8004 35 42.17 27936.5 720 1 1 12 39 224 351 62 21 5 2 1											•										
30 ft 35 20.15 8747.2 17 6 13 1 AMOVE 35 62.17 27936.0 720 1 1 12 39 225 351 62 21 5 2 1						5			•										1		
AMOVE 35 62.17 27936.0 720 1 1 12 39 229 391 62 21 5 2 1								2	•		4.0				11	1	ı	ı			
													13								
								- 6	17											1	
						•	•	•	• •		• • •				. •		,	_	-	•	

TABLE: DIAS
DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY
FOR THE ROUTE BETWEEN
HICKAM APP. HAWAEI
AND
ANDERSON AR, GUAM
FOR THE
WINTER STASON

### NON-STORM CONDITIONS

							N	DM-510	RM C	ONO	11 60	7N S											
ALT I TUDE	1146	NAUTICAL	TOTAL									UDE	0157	R   BUT	104	FT./5	EC.1						
(1000 FT)	THOURS		PEARS	-15	- 10	-53	-5C	-17.5	-11	- 1	2.5	- 10	-7.5	- 5	• 5	• 7. 5	.10	+12.5	.13	.17.5	• • 2 >	.52	.30 .35
BELOW 1	:.	v.	ć																				
2 10 2	2.1		3																				
5 10 13	0.	3. 0.	0																				
10 10 15	٥.	3:	,																				
15 10 23	6.44	159.2	i												1								
20 10 25	3.57	223.0	2 6										- 1	1.2	•	9	ı						
25 TU 37	1.36	004.7	0										-										
30 10 35	4.30	1074.5	ı											ı									
ABOVE 35	32.96	15002.9	557						ı		ı	15			533	4.9	1.0		2	1			
TOTAL	39.82	17464.4	987						ı		1	15	35	118	245	34	50	•	3	1			
								STORM	CON	011	10×3												
ALTITUDE	TIME	SAUTICAL	TOTAL									NDE	DIST	REBUT	104 (	FT./5	EC.1						
11000 FT1	I HOURS I		PEAKS	-35	- 30	-25	- 2C	-17.5	-19	-1	2.5		-7.5	- 5		+7.5	.10	.17.5	+15	+17.5	+70	1 25	.30 .33
BELOW 1	0.22	32.0	43						1		1	2	•	7			•	5		L	2		
1 10 5	43	71.0	46									1	•	15	23	•	1						
2 10 5	3.00	173.2	-									2	•	18	25	3	•						
9 70 15	6.36	115.3	•										ı	•	5	1							
13 10 15	0.40	135.5	•												•								
20 10 25	ŏ.	٠	Ă																				
25 10 33	ž.	š.	ŏ																				
30 10 35	3.	J.	- 1																				
ABOVE 35	0.	:.	Ţ																				
TOTAL	2.30	521.0	161						1		ì	5	17	44	59	10		•	5	l.	2		
							51	ORM P	LUS	NON	-510	)A M											
AL TITUDE		MAUTICAL	TOTAL													FT./5	FE . 1						
1100C PT1	I HOURS		METER	- 35	-33	-53	-50	-17.5						- 5								.53	• 13 • 35
BELOW 1	0.55	35.3	43						1		ı	7	•			•	3	•		,	3		
2 10 3	C. 88	170.2	60									1	3	15	50	3	1						
2 10 3	36	115.3	~									•	- ;		- "	í	•						
10 10 15	2.40	133.2											•	•		•							
13 10 29	6.44	159.2	ĩ												ì								
20 10 25	4.57	223.4	20										ı	12	•	5	1						
25 10 31	1.56	664.7	0																				
30 10 35	4.30	1074.5	1											1				_	_	_			
ABOVE 33	32.96	15045.9	337						ļ		ļ	15	34		235	49	19			2	2		
TOTAL	42.13	18506.7	744						•		4	17	52	255	304	70	28	10	•		•		

# TABLE Dade DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN HICKAM AFF, MAMAIT AND ANDERSON AB, GUAM FOR THE SUMMER SEASON

### NON-STORM CONDITIONS

		NON-STORM CONDET	1045			
ALTITUDE TIME VAUTICAL (1800 FT) (MOURS) MILES SELOW 1 J. 1 TO 2 G. 3. 2 TO 5 C. 9. 3 TO 10 C. U. 10 TO 15 C. J. 15 TO 20 C.38 139-4	PEARS -35 -30 -25	-20 -17.5 -15 -12.	UDE DISTRIBUT 3 -10 -7.9 -5	10% (PT./SEC.) +5 +7.5 +10 +12.5	+15 +17.5 +20 <u> </u> +2	:5 +33 +35
20 TO 25 U.50 193.6 25 TO 35 U.50 225.3 30 TO 35 U.36 3065.7 ABOVE 35 22.46 9051.6 TOTAL 32.05 14472.4	13 17 16	1	3 2 5 4 15 7 32	5 2 7 1 2 1 10 1 41 6 66 10 2 1		
		STORM CONDITION	is			
ALTITUDE TIME "AUTICAL TIME" (AUTICAL TIME") TIME "AUTICAL TIME" (AUTICAL TIME") TIME" (AUTICAL TIME") TO 2 - 31 to 2 - 31 to 3 - 32 to	PEARS -35 -3G -25	1 2	3 5 7 1 5 14 11 16 3	+5 +7.5 +10 +12.5 7	1 2 1	\$ •30 •35 1
10TAL 2.14 448.2	166	1 1 3 2	4 22 40	41 22 18 4	2 3 2	1
		STORM PLUS NON-ST	OR#			
ALTI JOE TIME MAUTICAL (10JG PT) (MOURS) MELES BELOW 1 U-10 15-2 17-2 TO 5 TO	TOTAL PEARS -19 -30 -25 44 92 43 7 2	-20 -17.5 -15 -12.5 1 1 1 1 2	UDE DISTRIBUT( 3 -10 -7.5 -5 3 5 7 1 5 14 11 16 3	ON (FT./SEC.) +5 +7.5 +10 +12.5 7 4 9 1 12 10 3 2 10 6 5 1 3 1	*15 *17.5 *20 *2 1 2 1 1 1	s •32 •35 :
13 10 15	13 17 16 64 203	1 1 3 3	3 2 3 5 4 15	3 2 5 2 7 1 2 1 10 1 41 4 107 32 26 5	2 3 2	ı
	DISTRIBUTIO	TABLE D244 NS OF DERIVED VERTICA FOR THE ROUTE OFTH HICKER AFD, HAMA ANTERSON AB, GU FOR THE AUTUMN SEASON NON-STORM CONDITI	een II			
ALTITUDE TIME NAUTICAL	TOTAL		UDE DISTRIBUTE			
Cladd PT   Hebuss   Miles	PEARS -33 -33 -25	-20 -17.5 -19 -12.5 2 1 4		2 164 47 14 7	*15 *17.5 *20 *2:	• • • • • • • • • • • • • • • • • • • •
25 TU 30 3.84 1503.7 30 TO 35 4.77 2907.1	429	2 4	0 45 125	101 53 4	1 1	
ABOVE 35 6.74 2921.5 TOTAL 20.49 8570.3	•62	2 3 12	22 49 265	75 9 2 422 109 25 7	3 2 1	
		STORM CONDITION	\$			
ALTITUM TIME VAUTICAL	TOTAL		UDE DISTRIBUTE	OH (FT./SEC.)		
130.7 FT 1 HOURS   MILES BELOW 1 0.36 1 TO 2 6.00 11.2 2 TO 9 5.12 20.6 9 TO 10 10 11.7 50.7 10 TO 20 1. 0. 20 TO 25 6 20 TO 25 6	16 13 19 1 1 1 0	-20  -17.5 -15 -12.5 1	-10 -7.5 -5 3 3 1 4 2 4 2 1	+5 •7.5 •10 •12.5 1	1	• • • • • • • • • • • • • • • • • • • •
33 TO 35 C. U. AGOVE 35 U. TOTAL C.61 162.2		1	7 4 4		ι	
	-				-	
		STORM PLUS NON-ST		au 481 1865 1		
ALTITUDE TIME VANTICAL LEGG PTI HOURS) MILES BELOW 1 v.A 1.50 1 TO 2 0.36 11.2 2 TO 3 C.12 29.0 5 TO 13 v.17 50.7	TOTAL PEAK -35 -30 -25 10 13 10 1	-20 -17.5 -15 -12.5 1	UDE DISTRIBUTE -10 -7.5 -5 3 3 1 4 2 4 2		•15 •17.5 •20 •29 1	•13 •35
20 10 20 2.21 2.00	412	1 1		100 47 14 7		
26 TO 30 3.84 1903.7 30 19 35 4.77 2907.1 400VE 35 4.74 2921.5	• 27	2 •	1 12	181 53 T	1 1	
TOTAL 21.10 0792.5	1515	2 4 12	20 00 260	420 110 30 15	3 3 L	
		4	00			

400

# TABLE D240 DISTRIBUTIONS OF DERIVED VERTICAL GUST VELDLITY FOR THE ROUTE BETWEEN HICKAM APP, HAMAII AND ANDERSON AP, GUAM FOR THE MONTH OF JANUARY

MON-STORM	COMPLY	-

ALTITUDE (1000 FTI BELDW I L TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35 ABOVE 35 TOTAL	TIME NAUTICAL (HOURS) MILES 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.15 56.8 0.19 74.2 D.22 94.8 0.22 94.8 8.19 3617.1	TOTAL PEAKS 0 0 0 0 0 0 1 0 0	-35 -38 -25	-20 -17.5			-5	1 (FT./SEC.) -5 • T.5 • 10 -10 -10 -10 -10 -10 -10 -10 -10 -10 -		15 +17.5 +20	) +25 +3) +35
ALTITUDE	TIME NAUTICAL	TOTAL		STORM	COMOTTIONS	INE 0151		(FT./SEC.)			
	1000851 RICES 0-14 21-3 0-36 59-6 0-63 114-2 0-15 51-3 0- 0- 0- 0- 0- 0- 1-62 286-8	PEAKS 18 32 35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -36 -25	-20 -17.5			-5 •	5 +7.5 +10 5 1 1 2 2 1 3 4 3	*17.5 *	15 •17.5 •20	+25 +30 +35
				STORM PL	US NON-STORP						
ALTITUDE (1000 FT) RELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 25	TIME VAUTICAL (HOURS) MILES WILES WI	PEARS 18 32 35 0	-15 -10 -25	-20: -17.5	-15 -12.5 -1		-5 •	5 1 L 2 2 1	.15.3	15 +17.5 +20	•25 •32 •35
25 TO 3U 30 TO 35 ABOVE 35 TOTAL	0.22 94.8 0.22 96.9 7.46 3294.4 9.61 1903.9	0 1				3 *		1 , ,	1		
			DISTRY UTIONS	OF DERIVE FOR THE R HICKAR ANDERS FO MONTH U	LE D24f D VERTICAL COUTE BETWEEN AFB. HAWA'I AND ONN AB. GUAM R THE F FERRUARY		DC TTY				
ALTITUDE	TIME HAUTICAL INDURSI MILES	TOTAL PLAKS	-35 -30 -25			OF DIST	#   BUT   ON	(FT./SEC.) 5 •7.5 •10	*12.5 *1	15 -17.5 -20	.25 .30 .35
BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 25	3. U. U	0 0 0				,		i * 5 i			
25 TO 30 30 TO 35	0.30 117.0 1.25 535.8 3.47 234.6 23.56 10896.6	27 556				2 34	190 23		,	2 1	
TOTAL	25.75 11636.1	584				2 35	209 24			ž i	
44 T 4 T 10 D	TI'E MAUTICAL	1014		STORM	CONDITIONS		e I But I ON	(FT./SEC.)			
(1000 FT) 0ELOW 1 1 TO 2 2 TO 5 10 TO 15 13 TO 20 20 TO 23 20 TO 23 20 TO 33	## OURS   MILES   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0	Ptans 10 12 21 6 4 0	-35 -30 -25	-20 -17.5			-5 ·	5 •7.5 •10 3 2		15 +17.5 +20 2 1 2	.25 •33 •35
ABOVE 35	0. 0. 0.74 193.?	63			ı	2 7	11 2	3 7 3	•	2 1 2	
				STORM PL	US 40N-STORM	1					
ALTITUDE (1006 FT) BELOW I 1 TO 2 2 TO 3 5 TO 13 15 TO 20 20 TO 23	TIME MAUTICAL (MOURS) MILES 0.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TOTAL PEAKS 10 12 21 4 4 1	-35 -30 -25	-20 -17.5	-15 -12.5 -1 1		-9 ·	, , , ,		15 •17.5 •20 2 1 2	•25 •13 •35
101 AL 25 10 36 101 AL	1.25 535.8 0.47 204.6 23.50 10006.6 26.49 12031.3	134 447			1 1 1	2 34	198 23- 220 26		;	· 1 1	

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## TABLE D44g DISTRIBUTIONS OF DERIVED VERTICAL OUST VELOCITY FOR THE ROUTE SETWERN HISCAR AFB. HABAII AND ANDERSON AS, GUAN FOR THE HOMEN OF JUNE

MON-STORP CONDICIONS

1 1 2 2 3 4	LTITUDE 1000 FT1 BELOW 1 1 TO 2 2 TO 5 5 TO 1) 0 TO 15 5 TO 20 0 TO 25 5 TO 32 0 TO 35 0 TO 35 TOTAL		VAUTICAL ) MILES 0. 0. 0. 43.4 59.0 64.8 2095.4 1709.9	FOTAL PEAKS 0 0 0 0 0 0 16 14 33 65	-35	-30 -	-25	-26 -1	7.5 -	15 -12. 1	.9 -10	7 DEST -7.5					*12.9	•15	•17.5	•20	•25	+34 +35
	. 141,440		TOO LEVEL	10153				\$1	ORM CO	PHOLITIC												
1 1 2 2 3 4	LTITUDE 1906 FT1 MELOW 1 1 TO 2 2 TO 5 5 TO 15 9 TO 15 9 TO 25 3 TO 25 3 TO 35 6 TO 35 6 OVE 35 TOTAL			TOTAL PEARS 23 5 4 9 3 0 0 0 0	-35	-36 -	25	-26 -1	7.5 -	1 -12.		0157 -7.5 2 1	-9 5 2 1	2 1 1	1	*10	1	1 •15	•17.5	•20	•25	+30 +35
								STOR	H PLUS	NON-S	TORM											
•	L T I TUDE 1 202 FT I	TIME	NAUTICAL F MILES	TOTAL PEAKS	-11	-10 -	.25 .	- 20 -1	7.5 -1	15 -12.		0157	R19UT	10H 11	7./5	€C.)	+12.5	+15	+17.5	•20	+25	•12 •31
1	BELOW 1 1 TO 2 2 TO 5 5 TO 13 0 TO 15 5 TO 23	0.33 2.33 6.04 5.08 5.09 1.12	9.0 12.0 27.3 31.1 43.4	20				The state of		i	ï	1	į	1	1			1				
3	0 TO 25 5 TO 3C 3 TO 35 BOYE 35 TOTAL	0.15 0.15 4.77 4.11 9.59	59.8 64.8 2655.4 1789.9 4097.6	16 16 33						1 1		;	23	7 13 20 41	1 1 7		1 2	2	1			
1 1 2 2 3 4	LTITUDE 1000 FT) 8ELOW 1 1 TO 2 2 TO 5 5 TO 15 5 TO 25 0 TO 25 5 TO 35 60VE 35 TOTAL	6.19 6.22 6.25 4.15	9. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	TOTAL PEAKS	-35	-30 -	25 -	HON-	CAM AF AN DER SON FOR FM OF STORM	THE JULY	IONS	D157					•12.5	•15	+17.5	• 20	•25	+30 +35
			4992.7	i.									1		,							
		15.27	6709.6					571	DRM CO	W01710			1		2							
٠	LTITUDE	TIME	4709.4	TOTAL						MDETIU	UDE	DIST	l *18u11	1 5	2	EC.1	612.4	419	417.5	<b>.</b> 26	.74	
1 1 2 2 3 4	ATITUDE 1899 FT I 8ELOW 1 1 TO 2 2 TO 5 5 TO 15 9 TO 25 0 TO 25 9 TO 35 0 TO 35 0 TO 35 0 TO 35	TIME	NAUTICAL 1 MILES 2-5 58-3 58-2 63-6 3- 0- 3-	1	-35	-30 -	25 -			MDETIO (S =12. 1	9 -10 1		l *18u11	1 5	2	EC.; *10 2 1 4	1	•15	•17.5	•26	•25	•32 •38
1 1 2 2 3 4	1000 FT   BELOW 1 1 TO 2 2 TO 2 5 TO 15 5 TO 2 0 TO 2 5 TO 3 5 TO 3 6 TO 3 6 TO 3 7 TO 3 7 TO 3 8	TIME (MOUNS 9.02 0.08 0.019 0.19 0.19 0.19 0.19 0.19 0.19 0.1	NAUTICAL 1 RILES 12-3 98-3 98-2 63-6 0- 0-	TOTAL PEAKS 8 25 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35	-30 -	25 -	i 1	7.5 -1	15 -12. 1	5 -10 1	-7.5	l #18UT1 -5 -6	1 5 1 1 1 1 1 1 1 1 7	7./5	*10	1	*15	•17.5	1	•25	•33 •35
1 1 2 2 2 3 4	1800 FT) BELOW 1 1 TO 2 2 TO 3 5 TO 17 9 TO 15 9 TO 2 0 TO 25 9 TO 30 0 TO 35 8 TO 30 BOVE 35 TOTAL	TIME (MOUNS 9.08 0.08 0.08 0.08 0.19 0.19 0.09 0.00 0.00 0.00 0.00 0.00	NAUTICAL 1 MILES 12.5 12.5 12.5 12.5 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	TOTAL PEARS 8 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				20 -1 1 1 STORE	7.5 -1	15 -12. 1	S -10 1	-7.9 2 2 3	1 ************************************	1 5 2 6 7 7 15	7./5 7.5 6 4	7	1			1		
1 1 2 2 2 3 A A f	1800 FT   RELOW   1 TO 2   2 TO 9 5 TO 15 9 TO 2   0 TO 2   0 TO 2   0 TO 2   0 TO 3	TIME (MOUNS 9.08 0.08 0.08 0.08 0.19 0.19 0.09 0.00 0.00 0.00 0.00 0.00	NAUTICAL 1 MILES 12.5 12.5 12.5 12.5 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	TOTAL PEAKS 6 24 25 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-30 -		20 -1 1 1 STORE	7.5 -1	15 -12. 1	5 -10 5 -10 1 TORM	-7.9 2 2 3	1 #18UT1 -9 4	1 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7./5 7.5 6 4	7	1		•17.5 •17.9	1		•33 •35 •33 •35

# TABLE: D241 DISTRIMITIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE RIDUTE BETWEEN HICKAM AFB, HAWAII AND ANDERSON AB, GUAN FIR THE RUNTH OF AUGUST

## NON-STORM CONDITIONS

k :

						N	ON-STO	ORM C	TIGNO	INS										
ALTITUDE 11009 FT RELOW 1 1 TO 2 2 TU 5 5 TO 10	TIME I (HOURS)	WAUTICAL MILFS 0. 0. 0. 0.	PEARS 0 0	- 35	-30 -25	-20	-17.5	-15	-12.					(FT./SEC +7.9 +		.5 •1	9 +17.5	* *20	• 25	•33 •35
10 10 15	3.	26.4	į.									:		2						
20 TO 25 25 TO 31 30 TO 35	0.13	45.8 55.0 53.3	į									1								
TOTAL	7.88	3569.3	46								i.	16	20 24	3						
	-10.2						STORM	CON	D 1 T 10*											
MELO I	C.34	5.9	PEAKS 16	-35	-32 -25	- 26	-17.5	-15		5 -10 1	-7.5	- 5	+5	1	10 +12. 3 1		• 17.9	+20	+25	•12 •35
1 10 2 2 to 5 5 to 1,	0.48 0.47	113.9	21 34 7					2	1	1	•	11	10	,	2 1 1		1			
15 TO 15 15 TO 20 20 TO 25	0.37 6.	23.0	0 0								١		1							
25 TO 33 33 TO 35 ABOVE 35	5. 0. 1. 5	0. 187.7	0				1	2	1	2	11	29	22		7 2		,			
TOTAL	1. 7		••				FORP P		-	_	••	23	**	•	7 2		2	1	1	
ALTITUDE.		MILES	TOTAL PEAKS	-34	-30 -25					UDE				FT./SEC.			17 6	• • • •	438	+30 +35
RELOW 1	U.19	3.9 26.9 113.9	16 21 34		, <b>.</b> ,		1	2	1	ï	1	2	10	1	3 1		i	ĭ	ï	*,, *,,
5 TO 13 13 TO 15 15 TO 23	0.07 0.07 0.07	23.8 23.8 26.4	7 2 9					•			1	•;	3	,	i		•			
20 TO 25 25 TO 35 35 TO 35	0.13 2.15 C.13	45.8 55.6 53.3	1									1	ĩ	•						
ARDVE 35 TOTAL	7.68	3949.0 3937.2	30 126				1	2	ι	2	12	14	20	13	7 2		2	ı	i	
				DIST	RIBUTTO	FO	DER IV I THE II CKAM ANDER F IONTH	APB, AND SON A OR TH	RTÍCA E BETW HAWA IR, GU IE IVEMBE	ECN 111 IAM	T VEL	.00 111	•							
ALTITUDE		AUTICAL	TOTAL				N-S TO			UNE	0151	TR   BUT	100 1	FT./SEC.	le –					
11936 FT1 RELOW 1 1 TO 2	3. :.	j.	PEAKS	-15 -	-30 -25	- 20	-17.5	-15	-12.5	-10	-7.5	- 5	- • •	•7.5 •1	0 +12.5	• 15	+17.5	•20	+75	•35 •15
2 TO ' 5 TO ' 13 TO 15 15 TO 25	3.	74.6	3																	
20 TO 2. 25 TO 30 30 TO 35	2.92 3.44 6.77	1163.4 1533.7 2907.1	432			2		1		14	43 45	12A 125	164 161	47 1 53	, ,	2 1	i	ı		
ABOVE 35	6.74 20.49	2921.5 0570.3	99			2		3	12	22	1	12 265	75 422	100 5	,	3	2	1		
							STORM	COND	IT LUN											
ALTITUDE (1000 FT) BELOW I	(HOU4)	0.0	PEAKS 14	-35 -	31 -25	-27	-17.5	-15	-12.5	∪D€ -1;	DIST -7.5	4   BUT -5 1	+5 ·		•12.5	+15	+17.5	•27	•25	•37 •35
1 TO 2 2 TO 5 5 TO 1	5.36 5.12	11.2 29.3 54.4	13 19 1					1		٠	;	2 L	1	3	1		1			
20 TO 25	3.17	34.7 3.	3										1							
25 TO 3. 25 TO 35 ABUVE 35 TOTAL	ι. ι. ει	162.2	) , ,					1		,										
101.4		101.1	74			.,	ORM PI		AH_ ( V		•	•	•	•	•		·			
4LT TU9F	TIME N	AUTICAL	TUTAL	-15 -	36 -25		-17.5			UDE	2157	R I BUT -5		T./SEC.			417.4	4.20		•32 •35
1 10 5 1 10 2	0.06	4.6 11.2 29.0	16 13							3	3	1	1	3 1	1	•••	1			
5 TO 15 15 TO 15 15 TO 25	2.19 2.17 3.21	54.4 54.7 74.6	1									ı	i 2							
20 10 25 25 10 30 30 10 35	2.92 3.84 6.77	1163.4	432			5		1 2	:	14	43	125	101	53 1	•	Į.	1	1		
TOTAL	21.13	2921.5	1315			2		٠	12	29	1 78	269	75 428	111 10		,	3	1		

TABLE D24k
DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY
FOR THE ROUTE BETWEEN
HICKAM AFS, HAMAII
AND
ANGESON AS, GUAM
FOA THE
MONTH OF DECEMBER NON-STORM CONDITIONS

						-	- 310			0.43												
ALTITUDE- (1000 FT) BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35 ABOVE 35 TOTAL		NAUTICAL MILES 9. 0. 0. 10.2 32.4 32.4 1573.0 871.9 2529.6	TOTAL PEAKS 0 0 0 0 0 0	-35 -39	) -25	-20	-17.5	-15	-12.5	U61	01ST	REBUT -9	10N +5	(FT./ .+7.5	\$EC.1	+12.5	+15	•17-5	3 +20	•25	•32 •35	
								- 23														
							STORM	COMO	ITION	\$												
ALTITUDE (1006 FF) BELOW 1 10 2 2 FG 5 5 FG 1,1 10 FG 15 15 FG 20 20 FG 25 23 FG 36 30 TG 35 460V£ 35 FGTAL	TIME (HOURS) C. UI 0. UI	NAUTICAL MILES 2-3 1-5 5-5 12-6 19-9 0- 0- 0-	TOTAL PEAK. 7 2 4 C 0 0 0 0	-35 -30	-25	-20	-17.5	-19	-12.5 1	-10	DIST(-7.5	3 3				+12.5	+15	*17.9	•20	•25	•12 •35	
						\$1	DAH PI	LUS	DM-5 T	)A #												
PLTITUDE (1000 FT) BELOW! 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30 36 TO 35		NAUTICAL MILES 2.3 1.5 9.5 12.6 19.9 10.2 32.4 34.2 1573.0	TOTAL PEAKS 7 2 4 0 C	-35 -30	-25	-20	-17.5	-15	-12.9 1		01576 -7.5 1	3				•12.5	•15	•17.5	• 20	+25	+30  +35	
ABOVE 35	2.35	871.9	ò									1										
TOTAL	A-32	2671.6	14								•											

## TABLE DESA HISTRIBUTIONS OF OFRIVED VERTICAL GUST VELOCITY FOR THE ROUTE OFFNECH HICKAM AFB. MAMATI AND VORDIA AB. JAPAN

## NON-STORM COMDITIONS

ALTITION (1000 FT) BELOW 1 1 FO 2 2 TO 9 10 TO 15 10 TO 2 20 TO 2 20 TO 2 20 TO 3 36 TO 3 36 TO 3 480VE 3 TOTAL	TIME NAUTICAL (MOURS) MILES  0. J.  0. J.  1. 0. C.  1. 0. C.  1. 19 72.  1. 22 88.  1. 22 88.  1. 28 3187.  1. 94 3432.  19.12 8268.	PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-20 -17.5 -19 -12.	unf DISI 5 -10 -7.5	7 23 30	ON (FT./S) +5 +T.5  3 67 7 76 7	1 1	7.5 +15 +17.9	•23 •25	•13 •35
				STORM CONDITIO	INS						
ALTITUDE	TIME NAUTICAL				UDE DIST		N (FT./51	C-1	.5 •15 •17.5		
BELOW I	G.17 26.			-2C -17.5 -15 -12.	10	1	12 4	5	6	*20 *25	**, **,
2 10 2	53 129.	25			1	10	7 12 5	2			
5 TO 15	3.31 105.5	, ,				2	3				
15 TO 25	12 45.0					•	6 I				
25 TO 3.	0.13 35.5 21 Ay.										
ABOVE 35	3.16 1564.			1	. 11	43	49 24	7	•		
					1000						
	TIME VAUTICAL	****		STORM PLUS NON-S			N (FT./SC				
ALTITUDE (100C FT) MELON 1	(MOURS) MILES	PEAKS		-20 -17.5 -15 -12.	5 -16 -7.5	-5		·10 ·12	.5 +15 +17.5	+20 +25	+37 +35
1 TO 2 2 TU 5	2.24 39.5 2.53 129.	37		•	1	19	7 10	2	•		
5 10 1/ 10 10 15	2.31 105.2	5			•	5	3				
15 TO 20 20 TO 25	U.29 105.1	11				4	6 L				
25 TO 3 35 TU 35	7.42 3243.1	11			1	7	,				
ABOVE 35 TOTAL	9.32 3878.9			1	16	23 77 1	12 31	1 0	6		
			DESTREHUTION	TABLE D25b S OF DERIVED VERTIC FOR THE ROUTE BET HICKAM AFB, HAW AND YOROTA AB, JAP FOR THE WINTER SEASON	MEEN All	06174					
				NON-STORM CONDIT	IONS						
ALTITUDE (1002 PT) RELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20	TIME VAUTICAL (HOURS) MILES 3. 3. 3. 4. 3. G. O.	PEAKS 0 0 0	-35 -30 -25	-20 -17.5 -15 -12.			N (FT./SE +5 +7.5		.5 +15 +17.5	•20 •25	+33 +35
25 TO 35	7.13 3124.5	11			1	7	3				
AROVE 35	7.33 3201.3				1	,	3				
TUTAL	7.55 3201.5				•	,	,				
				STORM CONDITION	NS						
ALTITUDE	TIME VAUTICAL	PEAKS	-35 -30 -25	-20 -17.5 -15 -12.		180110	N (FT./SF	 •10 •12.	5 +15 +17.5	•20 •25	•32 •35
MELOW I	5.11 19.1	20			9	3	7 4	1			
2 TO 5	U.21 54.7	2 (					1 1				
10 FU 15	C.13 43.4	5									
25 TO 37	į: ;:	÷									
30 10 35 ABOVE 35	5. 3. 5. 3.	C									
TOTAL	149.4	43			5	12	14 13	2			
				STORM PLUS NON-S	TORM						
ALTITUDE	TIME VAUTICAL	PEARS	-35 -30 -25	-20 -17.5 -15 -12.		-5	4 (FT./SE	10 -17-	5 +15 +17.5	• 20 • 25	•32 •35
8ELOW 1 1 TU 2 2 TG 5 5 TO 13	0.36 9.0 	21 21			3	•	1 1	i			

4 19 17 10 2

# TABLE Date DISTRIBUTIONS OF DERIVED VERTICAL GUST VEROCITY FOR THE ROUTE DETMERN HICKAM AFS. MAMAII AMB VOROTA AB. JAPAM FOR THE AUTUMN SEASON NOM-STORM COMDITIONS

SELOW I			114 115																		
2 TO 5 5 TO 13 10 TO 19 13 TO 23 20 TO 23 25 TO 33 20 TU 35 400YE 35	0. 0. 0. 0. 0.10 0.12 6.18 6.19	1 MILES 0. 0. 3. 0. 30.9 40.4 62.7 1407.1	TOTAL PEAKS O O O O O O O	-39	-30 -2	5 - 20	-17.	9 -15	-12.5	ung in	4	-3	•7	•7.9	•13	•12.5	•15	•17.9	•20	•25	•32 •35
TOTAL	11.79	5067.1	102								•	23	47	7	1						
							STOR	4 CON	DITIONS	l .											
ALTITUDE	TIME 1 CHOURS	HAUTICAL	PEARS	-15	-30 -21	<b>2</b> 1	-17-	5 -15	-12.5	UDE 0		10UT				•12.5	415	.17.6	420	.,,	+32 +35
BELOW L	11	17.3	31						1		•	•	5	•	1	6			•		
2 10 5	0.32	74.6	23								1	7	11	4							
10 TO 15 15 TO 25 25 TO 35	0.13	41.3 33.3 45.4 55.5	11									•	٠	1							
30 TO 35	1.06	444.4	ě										2.0								
TOTAL	2.57	914.3	34						ı		٠	24	26	14	•	•					
						\$	1000	PLUS F	404-STO	<b>R</b> M											
ALTITUDE	TIME HOURSI	MILES	PEAKS	-35	-30 -29	-20	-17.	9 -15	-12.5	UD€ 0	ISTR	18071	ON !!			+12.5	•15	+17.5	• 23	.25	*33 *35
BELOW L	.11	17.3	31					-	ı		5	•	1	5	4	•	•				
2 TO 5	0.32	70.9	23								1	7	11	•							
16 TO 15 15 TO 25 20 TO 25	c . 1	01.3 71.0 91.8	11									4	•	1							
25 TO 30	3.20	110.2																			
ABOVE 35		3070.9	100						1		10	23	67 93	71	1						
						FO	A THE	VED VE	D254 RTICAL BETHE	GUST Y	er oc	114									
						fo	N THE HICKAP VOKOT NONTH	APS, AND TA AB, FOR TH OF FE	RTICAL BETWE HAWAI JAPAN IE BAUARY	EN I	rel oc	CITY									
						fo	N THE HICKAP VOKOT NONTH	APS, AND TA AB, FOR TH OF FE	ATICAL BETWE HAWAI JAPAN	EN I			ii. ,								
ALTITUOL (1806 P. 1	1 (HOURS)		TOTAL PEAKS			FO.	R THE HICKAP VOKOT RONTH DN-STO	ROUTE AFS, AMD TA AB, FOR TH OF FE	RTICAL BETWE HAWAI JAPAN BEBAUARY	EN I NS	STRI	I NŪT Į	DN (F	11./51 17.5	(C.) +10	•12.5	•15	17.5	•20	+25	•37 •35
						FO.	R THE HICKAP VOKOT RONTH DN-STO	ROUTE AFS, AMD TA AB, FOR TH OF FE	RTICAL BETWE HAWAI JAPAN BEBAUARY	EN I NS UGE DI -10 -7.	STRI	I NŪT Į	ON (F) +5 +	7./56 7.5	(C.) +10	•12.5	•15 (	•17 <b>.</b> 5	• <b>2</b>	•25 ·	•32 •35
11000 FT BELOW 1 1 TO 2 2 TO 5 5 TO 1J 10 TO 15 15 TO 2: 20 TO 25 25 TO 33 ABOVE 35	0. (HOURS)	#ILPS 3. 3. 3. 3. 3. 42.4 3124.9	PEAKS 0 0 0 0 0 0 11			FO.	R THE HICKAP VOKOT BONTH DN-STO	ROUTE 4 AFB, ANB 74 AB, FOR TH OF FE DR4 CO	RTICAL BETWE JAPAN BE BAUARY MOITIO	EN I NS UGE DI -10 -7.	\$7#    5	RUT   1 -5 7	,,	1./\$1 7.5	*(C.) *10	•12.5	•15	17.5	•26	•25	•32 •35
11000 FT BELOW I 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 2: 20 TO 2: 20 TO 30 36 TO 30 ABOVE 35 TOTAL	G.11 7.13 U. 7.33	MILES 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	PEAKS 0 0 0 0 11 0 11	-35	-35 -29	-20	THE HICKAP VOKOT FRONTH ON-STO	POTE APP.	RTICAL: BETWEEN AMMAIL JAPAN BE BAUARY PHOITIONS	EN	ISTRI	7 7 9UTIG	3 3	7.5 7./se	•10 C.1						
11000 PT BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 25 25 TO 30 36 TO 30 ABOVE 35 TOTAL	1 (HOURS)	MILES 3. 3. 3. 3. 3. 3. 3. 3. 42.4 5124.9 3. 3201.3	PEAKS 0 0 0 0 0 0 11 0 11 TOTAL PEAKS	-35		-20	THE HICKAP VOKOT FRONTH ON-STO	POTE APP.	RTICAL: BETWEEN AMMAIL JAPAN BE BAUARY PHOITIONS	UGE DI -10 -7.	ISTRI	7 7 9UT10	3 3 7	7.5 7.5	*10						•33 •35
1100 PT 8ELOW 1 1 TO 2 2 TO 5 2 TO 10 10 TO 15 TO 20 TO 30 ABOVE 3 TOTAL ALTITUDE (1006 PT 8ELOW 1 10 TO 10	1 (HOURS)	MILPS	PEAKS O O O O O O O O O O O O O O O O O O O	-35	-35 -29	-20	THE HICKAP VOKOT FRONTH ON-STO	POTE APP.	RTICAL: BETWEEN AMMAIL JAPAN BE BAUARY PHOITIONS	UGE DI -10 -7.	istri S	7 7 9UTE	3 3	7.5 1./se 7.5	•10 C.1						
ALTITUDE 1 10 2 2 10 3 5 10 10 10 10 15 15 10 2: 20 10 25 25 10 30 36 10 35 36 10 35 48002 35 10174L  ALTITUDE 11026 FT 8ELOW 1 10 10 10 15 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 2	1 (HOURS)  C. C	MILPS	PEAKS O O O O O O O O O O O O O O O O O O O	-35	-35 -29	-20	THE HICKAP VOKOT FRONTH ON-STO	POTE APP.	RTICAL: BETWEEN AMMAIL JAPAN BE BAUARY PHOITIONS	UGE DI -10 -7.	istri S	7 7 9UT10	3 3 7 7	7.5 7.5 7.5 4	*10						
1100 PT 8ELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 25 20 TO 25 20 TO 25 20 TO 35 ABOVE 35 TOTAL  ALTITUDE (1004 PT 8ELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 25 20 TO 25	1 (HOURS)  C. C	MILPS 3. 3. 3. 3. 3. 42.4 B124.9 B124.9 B126.1 B126	PEARS O O O O O O O O O O O O O O O O O O O	-35	-35 -29	-20	THE HICKAP VOKOT FRONTH ON-STO	POTE APP.	RTICAL: BETWEEN AMMAIL JAPAN BE BAUARY PHOITIONS	UDE DI	STRE	7 7 7 9UTIC	3 3 3 3 5 9 7 6	7./5E 7./5E 7.9 4 5	*10 C.1 *10 1						
ALTITUDE 1 10 2 2 10 2 3 10 2 3 10 2 3 10 2 3 10 2 3 10 2 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 4 10 3 4 10 10 1 3 10 10 1 3 10 10 1 3 10 10 1 3 10 10 1 3 10 10 1 3 10 10 1 3 10 10 1 3 10 10 1 3 10 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 10 3 3 3 10 3 3 3 3 3 3 3	1 (HOURS)  C.  C.  J.  C.  TIME 1 (HOURS)  U-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U	MILPS 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	PEAKS  O O O O O O O O O O O O O O O O O O O	-35	-35 -29	-20	# THE # TOWN OF # TOWN ON - 17.5	AOUT : AFB	HTICAL BETWE HAWAI JAPAN BAUARY HOITIONS -12.5	UGE DI -10 -7.	STRE	7 7 7 8UTIC	3 3 7 7	7.5 7.5 7.5 4	*10						
ALTITUDE (100 F)  ALTITUDE (100 F)  ALTITUDE (100 F)  BELOW I  ALTITUDE (100 F)  BELOW I  10 TO 15  5 TO 15  10 TO 25  20 TO 25  20 TO 25  30 TO 30  ABOVE S  TOTAL	1 (HOURS)  C	MILPS	PEARS O O O O O O O O O O O O O O O O O O O	-35	-35 -29	-20	# THE # TOWN OF # TOWN ON - 17.5	AOUT : AFB	HTICAL BETHE MANAI JAPAN BNUARY MOITION -12.5	UGE DI -10 -7.	STREES	7 7 7 901110 -5 3 9	3 3 3 3 5 7 6	7./55 7./55 7.5 4 5 1	*10 C.1 *10 1						
ALTITUDE  (1000 FT	1 (HOURS)  C. C	# ILPS	PEARS OO OO OO II OO II FEARS OO	-35	-35 -29	-20 -20	R THE HICKAY VOKOT FRONTH OH-STORM -17.5	# APPS AND	HTICAL BETWEE MAMAI JAPAN BAUARY MOITION -12.5	UDF 01-10-7.	STRE	7 7 7 9UTIC -9 3 9 9	3 3 3 3 3 7 6 1	7./55 7.5 7.5 4 5 1	*10 C.11 *10 1	P12.5	•15 <b>‹</b>	17.5	-20	•25 ·	
ALTITUDE (1000 PT ALTITUDE (10	1 (MOURS)	MILPS J.	PEAKS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35	-36 -29 -325	-20 -20	R THE HICKAY VOKOT FRONTH OH-STORM -17.5	# APPS AND	HTICAL BETWEE MAMAI JAPAN BAUARY MOITION -12.5	UDF 01-10-7.	STRI	7 7 9UTIC -9 3 9	3 3 3 3 5 6 5 6 7 7 6 6 1	7./5E 7./5E 7./5E 3 1	*10 C.11 *10 1	P12.5	•15 <b>‹</b>	17.5	-20	•25 ·	•33 •35
ALTITUDE (1000 PT ALTITUDE (10	TIME 1	MAUTICAL MILES 9. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	PEAKS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35	-36 -29 -325	-20 -20	R THE HICKAY VOKOT FRONTH OH-STORM -17.5	# APPS AND	HTICAL BETWEE MAMAI JAPAN BAUARY MOITION -12.5	UDF 01-10-7.	STRI	7 7 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 3 3 3 3 3 14 14 14 14 14 14 14 14 14 14 14 14 14	7./5E 7.5 4 5 1	C.) +10 1 1 1 2 2 C.) 4 10 1 1	P12.5	•15 <b>‹</b>	17.5	-20	•25 ·	•33 •35
ALTITUDE (100 PT ALTITUDE (100 I) 1 TO 2 2 TO 3 5 TO 10 10 TO 15 15 TO 2 2 TO 3 3 G TO 3 4 BOVE 3 5 TOTAL  ALTITUDE (100 PT ALTITUD	TIME 1 100081 0-11 0-11 0-11 0-11 0-11 0-11	MAUTICAL MILES 0. 10. 10. 10. 10. 10. 10. 10. 10. 10.	PEAKS O O O O O O O O O O O O O O O O O O O	-35	-36 -29 -325	-20 -20	R THE HICKAY VOKOT FRONTH OH-STORM -17.5	# APPS AND	HTICAL BETWEE MAMAI JAPAN BAUARY MOITION -12.5	UGE DI -10 -7.	1 1 1 STR! 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	7 7 7 7 9 112 8 11 12 8 11 11 12 9 9	3 3 3 3 3 14	7./5E 7.5 4 5 1	C.) +10 1 1 1 2 2 C.) 4 10 1 1	P12.5	•15 <b>‹</b>	17.5	-20	•25 ·	•33 •35
ALTITUDE 1 10 2 2 10 2 2 10 2 3 5 10 1 3 10 10 15 15 10 2 2 10 7 3 5 10 1 3 10 10 15 3 10 10 15 3 10 10 15 4 11 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16 1 10 16	1 (HOURS)  C. C	MILPS	PEARS O O O O O O O O O O O O O O O O O O O	-35	-36 -29 -325	-20 -20	R THE HICKAY VOKOT FRONTH OH-STORM -17.5	# APPS AND	HTICAL BETWEE MAMAI JAPAN BAUARY MOITION -12.5	UGE DI -10 -7.	STRI	7 7 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 3 3 3 3 3 14 14 14 14 14 14 14 14 14 14 14 14 14	7./5E 7.5 4 5 1	C.) +10 1 1 1 2 2 C.) 4 10 1 1	P12.5	•15 <b>‹</b>	17.5	-20	•25 ·	•33 •35

# TABLE Date DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN HICKAM APE, HAMASS ANC. VOROTA &B. JAPAN FOR THE MONTH OF HOVERAGE.

## TABLE DEGA DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN WARE ALROHT, WARE ISLAND AND CLARK AG, PHILIPPINES

NON-STORM CONDITIONS

ALTITUDE		MILES	TOTAL PEARS	-35 -3	0 -25	-20	-17.5	-15	-12.1					(FT./5		+12.5	+15	+17.5	+20	+25	+30	+35
BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 2)	2.50	٠. ٥. ٠. ٠.	90				1		1		:	:	;	į	;							
25 TO 25 25 TO 35 35 TO 35 460VE 35	93.76	1417.7 4016.3 23154 35593.7	12 10 938 157				•		•	2	16	134	13 324	45	19			1				
TOTAL	1495	69110.6	745						1	2	28	204	429	57	35			1				
ALTITUDE		AUTICAL	TOTAL	000			STORM			UOE				PT./1								
11002 PT 06LDW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20	5.74 5.72 1.47 2.37 2.47 5.25	122.4 139.4 431.3 495.8 825.9	134 141 24. 98 23	-31 -3	2 -11	1	-17.9	1	1 2 1	7 9	-7.5 21 0 13	26 36 64 27	31 46 107 19	07.5 24 24 32 14	+10 19 12 5 7	•12.5 2 4 1	2 2	•17.5	• • • • • • • • • • • • • • • • • • • •	•25	•33	•35
20 TO 25 25 TO 35 30 TO 35 AROVE 35 TOTAL	2.42 2.42 3.32 16.33	137.3 179.1 1357.6 1441.3 5123.6	94 145			1 2	i i	1	3	1 24	11 11 73	1 20 30 220	33 37 37	12 10 121	1 7 72	24	;	1	;			
						57	-	.US N	DH-8 I	DAM												
ALTITUDE 1103. FT BELOW 1	FERC S HOURS)	AUTICAL 13214	TOTAL PEAKS	-35 -3	-25	-30	-17.5	-15	-12.5	-10	0157 -7.5	4 1 8UT		FT./5		-12:5	+15	•17.5	•29	•25	+32	. 35
1 70 2 2 70 5 5 70 1	1.97 2.37	431.3	141 240			ı		1	2	į	13	36 64 27	107	24 32 14	iż	2	2		•			
10 TO 15 15 TO 22 25 TO 25	2.47 2.63 4.JC	025.9 1021.1 1354.7	25 23				1		1		1	:	;	3	1	i	ī	1				
25 TO 33 35 TO 35 ABOVE 35	55.78 62.70	4197.4 24208.7 37935.0	24 624 392			;		1	:		27	164	17 141	97 19	16	J.	,	1	,			
TOTAL	164.79	73231.2	1025			. 1	*	•		24	101	432	759	179	74	24	٠	2	٠			
				DISTRIC		FOR WARE CL	AIRPO	OUTE AT, 1 AND , PH A THE A SE	LIPP	EEN I SLAN INES												
ALTITUDE 110-6 PT 86-00-1		MILES	PEARS	-35 -30	-25	-20	-17.5	-15 -	12.5	-10	015T	1 60 T	10H (1	PT./50 •7.5	•10	•12.5	-15	17.5	• 20	•25	•33 •	35
1 10 2 2 10 5 5 10 10	::	j.	,																			
15 TO 15 15 TO 25 25 TO 25 25 TO 35	1.31	26.4 504.8 512.5	2									1	i i									
SC TU SS ABOVE SS TOTAL	25.44	10573.4	12,									1 5 7	13									
						1	STORM	C 040 I	T1041													
ALTITUDE 11000 FT1 MELOW I	23	MILES 37.4	TOTAL PEARS 49	-15 -3.	-25	- 20	-17.5	-15 -	12.5		01511 -7.5 7	-3 13		7.75	*13 ·	12:5	•15 •	17.5	• 20	•25	•12 •	35
1 73 2 2 70 5 5 70 1			105					1	1	•	•	21	22	15		i	3		•			
16 TG 15 15 TG 26 20 TG 25 25 TG 3.		203.5	0										,									
33 TO 35 ABRYL 35 TOTAL		333.3 398.1 1337.4	21 272						ı	12	22	77	13	<b>1</b>	20	3	,		1			
						377	DEP PL	US NO	4-170	m												
ALTITUDE (1990 FT) #FLOW 1	1186 W (HOURS)	MILES 37.4	101 AL Pakes	-31 -36	-25	-20 -	-17.5	-15 -	12.5	- 10 ·	01516	-5	*5	7./54		12,5	•15 •	17.5	- 50	•25	•17 •	33
1 fn 2 2 fb 3 5 fo 10	C.60	113:	100					ı	1	į	•	13 21 28	11 22 44	15		ì	2		•			
10 10 15 10 10 25 20 10 25	6.70	200.4	3									1	1			-						
25 TO 37 36 TO 35 46041 35 TOTAL		510.5 6953.6 11160.5	33 292						1	12	22	12	20 113	1	20	,	,		1			
								-	1	4						•	-		•			

# TABLE Date DISTRIBUTIONS OF DERIVED VERTICAL SUST VELOCITY FOR THE ROUSY SETWERN WARE AIRPORT, MERE ISLAND AND CLARK AS, PHILIPPINGS FOR THE SPRING SEASON

				HON-STORM CO	MOITIONS								
ALTITUDE (100C FT) OELOW 1		TOTAL PEAKS	-35 -39 -25	-20 -17.5 -15	-12.5 -1	ne DIS1 2 -7.9	-1	H 197./966	id	9 •19 •1	7.5 -20	***	-10 -15
1 TU 2 2 TO 5 3 TO LU	5. 3. 0. 5.	ž		,									
13 TO 15 15 TO 27 20 TO 25	0.35 129.0 1.95 191.6		•										
25 10 3.	3.91 2553.0	9											
ABOVE 35	8.54 3844.7 15.62 6847.2					į	;	; ;					
				STORM CONC	ITIONS								
ALTITUDE		PFAKS	-35 -36 -25	-20 -17.5 -15		0 -7.5	- 5	N (PT./SFC	10 +12.		7.9 -20	.21	112 -15
1 13 3 2 10 3	3.25 B.6 17 11.4 28 95.7	13				, ,	į,		١.,				
9 TO 10 10 TO 10 15 TO 20	5.32 84.0 5.24 79.6					3	,	1 }	1 1	ı			
22 TH 25	i. 3.	0											
ABOVE 35 TOTAL	1.38 182.4				3	:	15		: ,	i			
				STORP PLUS N	ON-5104F								
ALTITUDE	TIPE MAUTICAL	PEAKS	-31 -30 -25	-20 -17.5 -15				1PT./58C.			. 4	. 24	. 11 . 15
BFLOW 1	5.39 8.6 5.47 11.4	13		-	1	i	ł	. :	1			•••	
2 TO 5 9 TO 1, 10 TO 15	28 \$5.7 32 84.0 6.24 79.6	12				3	3	7 1	 	ı			
15 TO 2; 25 TO 25 25 TO 3;	0.35 135.0 1.50 191.4	, ,											
33 TO 35 ABOVE 35 TOTAL	5.91 2553.8 6.96 4,27.1 17.30 7266.9	66			3	:		13 3	: ,	1			
1012	.,,,,,				•	•		••	•	•			
				S OF DERIVED VE FOR THE ROUTE WAKE AIRPORT, AND CLARK AR, PH FOR TH SUMMER SE	BETWEEN WARE TSLA IL IPPINES ASON	NO							
ALTITUDE	TIME NAUTICAL	1014		NUN-STORM CO		E DIST	R   BU   104	/ \$FC.					
	CHOURS) MILES	PEARS	-15 -10 -25	-20 -17.5 -15						+15 +17	. 5 +20	. 25	• >> • >>
2 TO 5	<u>:</u>	١											
10 10 25 13 10 15	3.39 141.5 5.57 224.9	15		1	ı	1	;		<b>?</b>		1		
25 TD 35 30 10 31 ABOVE 35	0.43 183.6 1.34 592.4 21.77 9616.6	47				ı			1				
TOTAL	24.50 10965.5	70		1	1	•	14 9	0 )	•		1		
ALTITUDE	TIME HAUTICAL	FOTAL		STORM COND		e 01511	1 801104	IFT./SEC.	)				
(10 FT) 8ELOw 1 1 TO 2	(HOURS) MILES (11) Lo.8 (11) 27.7	21 21 25	-35 -30 -25	-20 -17.9 -15	-12.9 -10		1		, .12.5	•15 •17	. \$ .20	• 25	• 10 • 15
2 fC 5 9 f0 19 19 f0 19	0.65 116.3 0.47 125.4 0.41 135.0	14			· i		17 1	7	1 1				
15 10 2: 25 10 25 25 10 35	3.23 11.8 (.35 19.4						•	•					
33 TO 35	C.22 92.0	3					,	4					
TOTAL	3.10 1093.0	116				•	33 4	6 IA	• ı				
ALTITUDE	TIME WAUTICAL	TOTAL		STORM PLUS W	UD			(PT./SEC.					
1 10 2 1 10 2	5.10 16.8 6.16 27.2	21 23	-11 -10 -25	-20 -17.6 -19	. 1		; ,	; ;	•	•15 •17.	. 5 + 23	•11	17 -19
10 10 13	42 125.4 6.41 135.0	14			,		4		1				
15 10 25 26 10 25 25 10 35	C.42 151.4 0.62 246.4 40 204.1	15		117	ı	i		3 2 .	l	1	r		
30 TO 35 ABOVE 35 TOTAL	1.56 605.2 22.91 13306.6 27.60 12311.3	33 106		1	, ,	1.1	10 4	1 21	,	1			
1010				-	. ,		•		•		1		

# TABLE 8660 PISTRIBUTIONS OF DERIVED VERTICAL BUST VOLUCITY POR INC ROUTE SOFWHEN WASS ASSESSED AND SEED OF THE CLARK AS. PHILIPPINGS FOR THE AUTUMN SEASON

NON-STORM COMOITIONS

ALTITUDE (1036 PF) 98LOW 1 1 TO 2 2 TO 5 9 TO 1-	CHOUAS	3. 3. 3.	PEAKS	-31	-30	-29	-14	-17.	<b>5</b> -15	-12.1	-10	-7.5	78 1 8U1 -1		1PT./ •7.5			•11	5 -17-1	• • • • • •	-25	+33 +	19
10 TO 15 15 TO 23 25 TO 25 25 TO 30 25 TO 35 26 BYSHA	1.36 1.87 6.67 90.93 29.71 67.04	303.3 000.4 3102.7 13304.1 11301.0	10 10 103 00 00								,	16	135 135 176	13 320 39 371	*5	19							
AL T11006	TIME	VAUTICAL	TOTAL					STOR	M CON	01710		DIST	ra (801	1104 (	PT./	SEC.1							
11000 PT) 0010v 1 1 10 2 2 T0 4 9 T0 12 10 T0 15 15 T0 22 26 T0 25	0.25 0.25 0.25 0.36 0.22 0.30	99.9 99.9 98.7 147.3 201.0 407.0 117.5	PIAKS 61 33 61 50 7	-35	-36	-25	- 26		> -19	1		-7.9 7 3 3	-9 10 7 14 13	32 16 2	•7.5 10 7		+12.1	2	• • • • • •	• • • • •	•25	•35 •1	3
25 TO 35 30 TO 35 400VE 35 TOTAL	1.49 0.40 4.39	196.0 691.3 170.9 2111.3	86 67 374				1	3 <u>1</u>	1	1	1	11	26 14	12	127	1 5	17	;		3			
	••••		• • •						PLUS (	NON-5 T	CR#	•					••	·	•	Ī			
ALTITUDE: (1806 FT) BELOW 1	TIME INCURS	MAUTICAL MILES 97.5	TOTAL PEAKS	-35	-30	-25	- 20	-17,	-15	-12.1		-7.5	A 1 0 UT	10N .	PT:/1	.10	•12 <u>.</u> 1	+19	+17.9	• 50	*23	•30 •3	,
1 70 2 2 70 5 5 70 10 10 70 15 15 70 25 20 70 25	0.90 0.92 1.21 1.27	90.7 167.3 201.0 467.0 462.3	11 61 50 7				1			ł	1	3 3	10 13 1	10	1	,	į	2					
25 TO 33 30 TO 35 ABOVE 35 TOTAL	0.39 32.46 26.11 73.13	3394.7 14-15.4 11 532.8 34 927.5	\$4 619 190 1914				1	1	}	1	1	27 13 57	14.3	17 353 47 497	113	16	17	;	1	;			
ALTITUM (1900 PT) 1900 PT 1900 PT 1	7145 (HEURS 0.00 0.44 0.02 0.73 11.52	**************************************	PEARS	-31	-10	-25				#0 (T ) -12. 9	UDE	0157 -7.9	a fout		PT./1		*12.5	•15	+17.9	+20	•25	*33 *31	,
TOTAL	33.43	11144.6	ĭ						NO.	10151			2	٠									
ALTITUM 11900 FT1	TIME	MAUTICAL MILES	TOTAL PEAKS	-35	-30	-25	-20	-17.1	- CONG	-12.5	UOE -10	01 17 1.3	A I OUT	104, 1	77./S	ec.1	+12.5	•15	+17.9	•20	•25	•32 •31	
1 TO 2 2 TO 1 3 TO 1 10 TO 15 10 TO 25 20 TO 25 25 TO 25	C.15 3.11 1.24 C.34 6.34	24.4 37.0 105.0 100.0						2	•	1	1		11 13 17	21	•	3	1	•		i			
FOTAL 35	i:10	314:7	192						Ł	1	16	14	43	40	10	15	2	1		ı			
AL TITUDE	1146	MATIEN	TOTAL	1	ı.	- 0.0				BH-87	UNG	9157	NOUT	104 (1	PT./8	16.1							
ALTITUDE (1000 PF) BELOW 1 1 TO 2 2 TO 9 5 TO 10 10 TO 15 15 TO 20 20 TO 25 20 TO 20 20 TO 25 AGOVE 25 TOTAL	TIME (HOURS: 0-11 0-24 1-34 0-34	\$7.0 \$7.0 \$9.0 \$90.0	9	***	-96	-49	-16	-17-1	1	-12.5 1	-19	7.5	11 17 7	21	•7.5	-10	•12.5	1	•17.5	1	•25	•33 •38	
20 TO 25 25 TO 30 30 TO 25	6.02 (.73 (1.92	315.4 200.4 4000.0											1	•									
TOTAL	26.64	11444.1	140						1	3.1	19	14	45	54	19	12	2	1		ı			
		OL RELA	h B							. 5	410												
										15	3.1												

# TABLE Deeg DISTRIBUTIONS OF DERIVES VERTICAL OUST VELOCITY FOR THE ROUTE BETWEEN WARE ALROCAT, MARE ISLAND AND CLARK AB, PHILIPPINES FOR THE MONTH OF MARCH

				NON-STORM CONDIT	IONS				
AL /1 TUBE (1030 PT BELOW 1 1 TO 2 2 TO 3 5 TO 10 15 TO 20 20 TO 20 20 TO 25 25 TO 30 30 TO 25 480VE 35 TOTAL	0.05 6.08 0.68 3.24 14	TICAL TOTAL ILES PARS 3. 3. 9 0. 0 0. 0 18.6 0 18.6 0 18.6 0 18.6 0 18.6 0 18.6 0	-35 -25 -25	-20 -17.5 -15 -12.	une olsti 8 -10 -7.5	RIBUTION (PT. -5 +5 +7.	/SEC.; \$ •16 •12.	.9 •19 •17.9 •26	) +25 +30 +35
				STORM CONDITION	15				
ALTITUDE 11900 FT RELDW 1 1 TO 2 2 TO 5 5 TO 10 30 TO 15 15 TO 20 20 TO 25 20 TO 25	;; ;;		-35 -30 -25	-20 -17.5 -15 -12.5	ude bista 3 -10 -7.5	118UTION (FT. -9 +5 +7. 2	/SEC.1 5 •10 •12.	5 •15 •17.5 •20	•25 •33 •35
				STORP PLUS NON-ST	OR H				
ALTITUDE (100% PT 08(0M 1 1 TO 2 2 FO 9 5 TO 10 16 TO 18 15 TO 20 20 TO 20 20 TO 30 30 TO 30 ABOVE 35 TOTAL	0.62 5.01 5.03 5.03 5.03 5.03 6.03 6.04	TCAL TOTAL LES PEARS 2.9 0 1.6 C 6.9 7 10.6 0 117.2 0 16.6 0 222.7 0 18.6 0 36.2 0 17.4 ( 17.4 0	-35 -30 -25	-20 -17.5 -15 -12.5	uot Bista   -18 -7.3	::BUTION (FT., -\$ +\$ +7.	/58C.) 5 •10 •12.	5 <b>-15 -17.5 -2</b> 9	•25 •33 •35
ALTITUDE 1100C PT 8ELO-1 1 TG 2 2 TG 5		D. D. D.		TABLE DISS OF DERIVED VESTICE FOR THE ROUTE SET WARE AIRPORT, WARE AND CLARK AS, PHILIPP FOR THE ROWHH OF APRIL MON-STORM CONSITE -20 -17-5 -15 -12-5	EFN ESLAND EMES ONS UDE DISTA	taution (FT.,		) +15 +17.5 + <b>2</b> 0	•25 •33 •35
5 TO 13 16 FO 13 15 TO 23 20 10 25 25 TO 30 30 TO 35 460YF R5 TOTAL	0.23 1.03 25 5.29 23	9. 0 0. 0 6. 0 06.3 U 71.6 2 74.3 0 17.6 2 74.3 15		STORM COMOITION	2 2	; ; ;	ļ i		
ALTITUDE	TEME NAUT		7 7.		U08 015TR	18UTION (FT./	SEC.)		
86L0w 1 1 70 2 2 70 5 5 70 10 10 70 19 15 70 29 20 70 29	0.33 0.36 25	LES PEARS 6.0 5 v.0 13 40-3 25 73-3 10 62-4 12 0. 0 3. 0 0. 0	-35 -36 -25	-20 -17.5 -15 -12.5	-10 -7.5 1	-9 09 07.9	1 2	1	•25 •33 •35
ABOVE 35	3.45	82.4 51 63.3 116		2		29 54 16	2 3	a .	
	71m2			STORM PLUS HON-ST					
ALTITUM 4100C PT 0CLOW 1 1 TO 2 2 TO 3 3 TO 1 10 TO 15 10 TO 20 20 TO 20 20 TO 30 AGGVE 35 TOTAL	5.35 3.36 6.25 5.20 6.10 6.10 6.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20	ICAL TOTAL LES PEARS 4.0 9 4.0 19 4.0.3 15 67.0 12 60.3 0 71.0 0 60.3 0 71.0 0 60.3 0 17.0 0 60.7 66 40.0 131	-38 -36 -28	-20 -17.5 -15 -12.8 2 2	10 -7.5 1	100710H (FT./ -9	1 1	1	·85 ·33 ·35



1700A	COMM	BΥ	и	M3.

ALTITUDE (1,000 PT: 001.00 L 1 TO 2 2 TO 5		HAUTICAL HILBS D. D.	PEARS	-33 -30 -25	-20 -17.5 -1	9 -12.5	-10	01 8Ti -7.5	* 1 <b>5</b> UT	* \$	197./8 •7.5	•10	•12.5 •15 •12 <u>-</u> 5 •20	•25	•30 •36 _
19 TO 19 19 TO 20 20 TO 25 25 TO 30 26 TO 35	6.20 6.22 6.22 6.30	72.7 89.4 85.8	15		1	1		i	i	(3	3	1	1		
ABOVE 35 TOTAL	10.15	9251.5	13		1	1		•	2	10	2	1	1		
					STORM CO	HD   7 1 0HS	ı								
ALTITUDE	TIME	NAUTICAL	TOTAL				UDF	DIST	TUBLE	10m (	FT./S	EC.I			
(1000 PT	INDUASI	MILES	PEAKS	-35 -30 -25	-20 -17.5 -1	5 -12.5	-10 .	-7.5	-5	.5	+7.5	+10	·12.5 ·15 ·17.5 ·20	.25	+38 +35
BELDM I	0.05	0.2	3					1		1		1			
2 70 3	0.37	12.3	1			ı	2	1	7	3	1				
5 70 10	0.22	45.4	-				•		•						
10 10 15	0.21	69.2													
15 TO 20	٥.		•												
20 TO 25		0.	Ĭ												
25 TO 30	0.	0.	ē												
30 10 35	0.	9.													
ABOVE 35	0.	٥.	•												
TOTAL	0.73	191.0	27			ı	5	2	7	11	3	1			
					STORM PLUS	NON-510	RH								
ALTITUDE	T EME	HAUTICAL	TOTAL				900	01578	LIBUT	104 (	PT-/50	EC. 1			
(1006 PT)			PEARS	-35 -30 -25	-20 -17.5 -1	-12.5		7.5		+5		+10	+12.5 +15 +17.5 +20	+25	+33 +35
BELOW 1	0.05	9.2	3					1		1	_	1			
1 10 2	0.07	12.3				L			_	•	2				
2 TO 5	0.11	35.7	16				5	1	7	5	ı				
10 70 15	0.21	69.2													
15 10 20	0.20	72.7	15					4	4	3	2	2			
20 10 25	6.22	89.4			1			ĭ	ĩ	•	•	i	1		
25 10 30	0.20	85.8			•	-		-	•			•	•		
30 TO 35	0.87	390.7													
	10.13	4684.9	13						14	10		- 1			
ABOVE 35	12.39	5442.5	61		1	2	2	7			9	Š			

TABLE D26;
DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY
FOR THE ROUTE BETWEEN
WARE AIRPORT, WAKE ISLAND
AND
CLARK AB, PHILIPPINES
FOR THE
HOMEN OF JAMAY

		MONTH OF JULY
		NOM-STOUR COMO ETIONS
1 70 2 0. 2 70 5 0. 5 70 10 0. 10 70 15 0.		UDE DISTRIBUTION (FT./SEC.) -20 -17.5 -15 -12.5 -10 -7.5 -5 +5 +7.5 +10 +12.5 +15 +17.5 +20 +25 +30 +35
20 TO 25 0.23 92 25 TO 30 0.00 31		1 1 6 16 7 16 1
		STORM CONDITIONS
1 TO 2 0.03 6 2 TO 5 0.13 26 5 TO 10 0.07 19 10 TO 19 0.07 21 15 TO 20 0. 6 20 TO 25 0. 6 25 TO 30 0. 0	S PEARS -39 -30 -25 - 1	UDE DISTRIBUTION (FT./SEC.) -20 -17.5 -15 -12.7 -10 -7.5 -5 -5 -5 -7.3 -10 -12.5 -15 -17.5 -20 -25 -30 -35 2 1 1 2 1 2 6 1 1 2 7 12 5 1
		STORM PLUS NON-STORM
1 70 2 0.03 4	S PSAKS -35 -30 -25 - 1	-20 -17.5 -15 -12.5 -18 -7.5 -5 +5 +5 +18 +12.5 +18 +17.5 +28 +38 +38 +38 +38 +38 +38 +38 +38 +38 +3

# TABLE DISK DISTRIBUTIONS OF DERIVED VERTICAL DUST VELOCITY FOR THE REQUET WARE ISLAND AND CLARK AS, PHILIPPINES FOR THE MONTH OF AUGUST

				NON-STORM CONDITIO	MS.								
ALTITUDE (100C PT) 00LOW 1 1 TJ 2 2 TO 5 5 TO 1. 10 TO 15 15 TO 25 20 TO 25 25 TO 5: 30 TO 35 400VE 35	TIME VAUTICAL IMOURS! MILES C	FOTAL PEAKS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-15 -1; -25	-20 -17.9 -15 -12.9	UDE 015-10 -7.5	78 I BUT -5	10H (1	FT./SEC. •7.5 •	• •12.	5 •15	*17.5 *2	• •25	•35 •31
TOTAL	4.57 2814.8	12			1		11						
AL T I TUDE	TIME VAUTICAL	TOTAL		STORM CONDITIONS	UNE DIST	fr 1 <b>6</b> UT	104 (1	T./SEC.	,				
11033 PT1 BELON 1 1 TO 2 2 TO 3 5 TO 1: 1: TO 15 19 TO 2: 25 TO 35 36 TO 35 480VE 35 TOTAL	HOURST MILES3 9	PEAKS 11 9 31 5 7 3 3 3 6 62	-35 -30 -25	-20 -17.5 -15 -12.5	-10 -7.5 1 3 1 1 1		11 1	7.5 •1 3 •	2 1	. •15	+17.5 +2	• • • • • • • • • • • • • • • • • • • •	•17 •15
				STURF PLUS NON-STO	n M								
ALTITUDE- (130 FT)	TIME VAUTICAL	TOTAL PEAKS	-15 -30 -25	-20 -17.5 -15 -12.5	une 0151	R 1001				•15	•17.5 •26	• 25	•12 •35
1 TO 2 2 TO 5	6.23 5.0 9.25 0.0 6.29 54.5	11 9 31			1 1	13	11	•	1 1				
5 to 13 10 to 15 15 to 2. 26 to 25 25 to 35 35 to 35	0.12 35.2 3.13 44.0 1.13 46.7 0.17 64.5 0.20 82.5 1.57 241.9	3 6 6				3	1	ı	1				
TOTAL	4.96 3ul4.4 8.66 3997.5	74			, ;	19	34	10	2 1				
06LOW 1 1 TO 3 2 TO 5 9 TO 1. 13 TO 15	TIPF AUTICAL (MOURS) RILES	FOTAL PEARS U O C	-35 -30 -25	FOR THE ROUTE SETUE WARE AIRPORT, WARE I AND CLARK AS, PHE FOR THE MONTH OF SEPTEMBE NON-STORM COMOITIO -2C -17.5 -15 -12.5	SLAND MES M MS MOE DIST	**************************************	10N (F	7./SEC. 7.5 +1	) 0 +12-5	•15	•17.5 •23	•25	•10 • 15
25 TO 25 25 TO 35	÷. 3.	3						2					
ABOVE 35 TOTAL	3.90 1643.7 3.57 1561.6 7.48 3203.5	24 42 66			1	10 21	18						
				STORM CONDITIONS									
ALTITUDE 1100C FT1 00L0W 1 1 FD 2 2 TD 9 5 TD 10 10 TO 20 15 TD 27	TIME "AUTICAL (HOURS) RILES 0.33 9.7 0.31 9.0 0.00 12.0 0.07 23.1 6.00 90.8 12.1 41.3 51.1 61.3		-35 -30 -25	-23 -17.5 -15 -12.5	UNE 0157 -10 -7.5 1	# [ # U T   -5 2 3 1	IGN (F	7./SEC. 7.5 •11 1	. 12.5	+15	•17.5 •20	•25	• >> • >>
25 TO 32 30 TO 35 ABOVE 35	0.21 06.6 0.20 02.5	42		1	•	13	13	1	1				
TOTAL	1.51 377.4	75		1	11	21	2.6	•	l	1			
ALT I TUDE	TIME HAUTICAL	TOTAL		STORM PLUS NON-STO	UDE D157	R L 9471	ON IF	T./SEC.		418	.17.3 +20	435	
110-C PT1 00-LUW 1 1 TO 2 2 TO 5 5 TO 13 10 TO 15 15 TO 25	(HOURS) RICES (C.23 9.7 (C.34 12.3 (C.47 23.1 (C.47 23.1 (C.47 23.1 (C.47 24.1 (C.47 24.1 (C.4	PEAKS 1 11 2 2	-35 -30 -25	-29 -17.5 -15 -12.5	-10 -7.5 l	7	1			1	• • • • • • • • • • • • • • • • • • • •	***	<b>,,,,,</b>
25 TO 35 3G TO 35 ABOVE 35 TOTAL	C.21 06.6 4.10 1724.3 3.64 1593.2 8.49 3582.9	9 66 63 136		1	10 1	10	20 10 00	1 8 4 15		1			

# TABLE DAM DISTRIBUTIONS OF OFRIVES VFRTICAL BUST VELOCITY FOR THE SOUTE LETWER WARE AIRPORT, WARE ISLAND CLARK AS, PHILIPPINES FOR THE MOVIN OF OCTOBER

NON-STORM CONDITIONS

ALTITUDE	TIME	HAUTICA	TOTAL						WD.	€ D[ST	21 OU	1104	(FT./	SEC.P						
11005 FT1			PEARS	-35 -37 -25	- 20	-17-	9 -19	-12.			-5	+5	+7.5	+10	+12.5	+15	.17.	+20	+25	+33 +35
RELOW 1	0.	0.	0			• • • •		•	• • •		-					-				
1 10 2	٥.	J.	3																	
2 10 5		٥.	3																	
5 10 15	ě.	3.																		
15 70 15		í.	3																	
15 10 25		110.	. :																	
20 10 25	2.32										:	•								
25 10 33	0.42	245.										:								
30 10 35	14.13	4041.										25 17	٠,							
												- ::	1	2						
AROVE 35	9.07	4433.								3	15		:	- 4						
TOTAL	25.34	11025.	•							,	20	••	,	•						
						STOR	M CON	01710	45											
ALTITUOC	TEME	YAUTICA	TUTAL						VO	E 0151	e i mut	10N (	FT./5	€ C . 1						
ILD. FTI			PEARS	-35 -33 -25	-21	-17.	5 -15	-12.9	-10	-7.5	-5		+7.5		+12.5	+15	+17.5	+29	.25	+37 +35
BELOW 1	J.13	21.								1	2	5	2		4					
I TO 2	6.17	15.									1	1			- 1					
2 10 5	v.19	Su.									3	i								
5 10 1:	35	107.								2	•	10	7	1		- 1				
16 70 15	6.42	142.								1	1	3	1							
15 10 25	6.10	37.																		
25 10 25	3.14	56.																		
25 TO 30	C.17	71.	1									1								
30 TO 35	1.29	548.								3	15	20								
ABOVE 35	1.32	143.	66		1	1	3	- 1	1	•	13	12	7	5		3	1	3		
TOTAL	3.17	1101.			ŧ	1	3	i	1	14	13	53	24	12	11	4	1	3		
					5	TORP (	PLUS	NC19-51	ORM											
ALTETUDE	I IME	HILES	PEARS	-15 -10 -25	- 21	- 17	-1-	-12.5		0137	-5		.7.5		.12.5					+30 +35
061 06 1	: .13	21.0		-13 -1, -21	-20	-11.	1>	-14.3	-17	-1.3	-7	*;	****	-10	*12.7	413	*!!.>	. 23	.52	*10 *15
		15.									í	i	í	•	i					
2 70 2	5.19											•			•					
		5									•									
5 TO 15	: . 35	107.								2	• ?	13	7	ı		ı				
	.42	142.										•								
	4.42	222.																		
15 10 27											- 1									
25 10 25	0.57	212																		
25 10 30	5.76	317.								•	•••	4.6	•	•						
25 10 25 25 10 30 3. 10 35	15.76	6613.1	76							. 3	21	45		2						
25 10 30	5.76		107		!	1	3	8 1	1	12	21 20	45 29 101	11	7	11	?	!	;		

# TABLE Date DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE RECUTE DETWERN WAKE AIRPORT, MARE ISLAND AND CLARK AR, PHILIPPINES FUR THE MONTH OF NOVEMBER

NON-STORY CONDITIONS

						-	HUM-510	MA C	וווספט	042												
ALTITUD 1100C P 0EL 0b 1 F0 2 T0 3 T0 1 10 T0 1 15 F0 2 20 T0 2 25 T0 3 30 T0 3 480VE 3	TH (HOURS)  1 0.  2 2.  5 0.  1 2.73  5 2.84  7.42  5 12.96	VAUTICAL 1 MILES 2. 2. 205.0 205.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209.0 209	TOTAL PEATS GO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-31	-3" -4	25 -20	-17.9	-19	-12.5		-7.5	-4 1 126				+12.5	•15	•17.5	•20	•25	•37 •35	
							51084	CON	DITION	15												
ALTITUD (1502 +1 0504 +1 0504 +1 1 TO 1 2 TO 1 1 TO 1 1 TO 2 25 TO 2 25 TO 2 25 TO 3 48 OVE 3 10 TAL	7) (HOURS) 1 0.19 216 5 0.35 1 0.59 2 1.7(	NAUTICAL NILES 32.2 39.8 05.1 29.7 234.9 0. 0. 0. 542.0	TOTAL PEAKS 36 20 46 22 1 U	-35	-34 -8	25 -20 1		-13	-12.5	un: -10 2 1 1	-7.5 -7.5 3 3 1	-5 6 9 7	7104 •5 •7 25 •	167./1 •7.5 7 7 7 1	10 10 4 3	12.5	•15	•17.5	•20	•25	•33 •35	
							TOR# P	COS 1	1000 - S T	ge M												
ALTITUDE (1800 F) 08LGW 1 1 TO 2 2 TO 1 5 TO 1 15 TO 2 20 TO 2	7) (MOURS) 119 216 339 356 6 0.76 573 5 (.84	32.2 39.0 65.1 153.7 234.9 265.0 328.3	TOTAL PEARS 36 20 46 27 1	-35	-30 -1	1		-19	-12.5	-10 2 1 1		-9	25	•7.5 7 97.5 7 8		*12.5	+19	•17.5	•50	•25	*** ***	
25 TO 3.		2946.8	479							2	14	120	279	40	12							
TOTAL	12.27	15120.0	+21			1			2	,	24	197	334	45	23	•						

# TABLE D266 DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY POR THE ROUTE BETHEEN WAKE AIRPORT, WAKE ISLAND AND CLARK AB, PHILIPPINES FOR THE RONTH OF DECEMBER

## NON-STORM CONDITIONS

ALTITUDE ' (100 FI) 80 Ou 1 1 TO 2 2 TO 5 5 TO 15 10 TO 15	TIME (HOURS)	WAUTICAL MILES	TOTAL PEAKS 0 0 0	-35 -30 -29	-20 -17.9	5 -15 -12.5			# 18UT	10H 11	1./SE 7.5	(.) •19	•12.5	+15	•17.5 <b>•29</b>	•29	•32 •35
15 TO 23 20 TO 25 25 TO 3, 30 TO 35 ABOVE 35 TOTAL	0.35 0.52 3.59 11.50 10.43	126.4 109.3 211.1 1639.3 5170.9 7336.6	12 0 0 0						5	7							
					STOR	CONDITION	S										
ALTITUDE (1000 PT) RELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TU 30 30 TO 35 480VE 35 TOTAL		MAUTICAL MILES 12.9 21.0 54.1 100.0 0. 0. 0. 333.5 590.1 1220.3	TOTAL PEAKS 26 44 16 3 0 0 0 0	-35 -30 -29	i -20 -17.	3 -15 -12.5			7 34	13 54	1 2 6 2 1 12	+10 2 6	1	•15 ·	•17.5 •29	+25	+30 +35
					STORM	PLUS NON-ST	DR M										
ALTITUDE (1000 PT) BELOW 1 1 TO 2 2 TO 5 5 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35 ABOVE 35		MAUTICAL MILES 12.9 21.6 34.1 136.6 93.6 120.9 109.3 211.1 1972.8	TOTAL PEARS 8 20 44 16 3 2 0 0 0 0	-35 -30 -29	-20 -17.	5 -15 -12.9			-5 2 6 11 6	23 3	1 ./SE 2	C.) +10 2 6	+12.5 1	+15 (	·17.5 ·20	+25	+32 +35
TOTAL	19.45	0954.9	1 32				2	•	39	20 61	12	•	t	1			

Blb.

## TABLE DOTA DISTRIBUTIONS OF DERIVED VERTICAL OUST VELOCITY FOR THE GOUTE ACTUBEN WARE AIRPORT, WARE ISLAND AND SAIGON, TAN SON NEUT AFD, VIETNAM

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								*****													
	1 2 5		MAUTICAL MILES 0. 0. 0. 2. 2.	TOTAL PRAKS 0 0 0	-11 -10	-25	-10	-17.9	-15	-12.5	-10 -	DISTR 7.5	18UT1 -5	OM (F	7.5	10 +12	.5 •1	9 •17	.5 +29	-25	•>• • • • • • • • • • • • • • • • • • •
15 TO 2 20 TO 2	9 9 9 9	0.32 0.33 0.44 0.44 10.26	110.0 130.0 105.0 3721.1 4525.3 6679.1	0 0 1 0 7									1	;							
								STORM	CUMB	1 T 10MS	la Tanana										
ALTITUS	E T		MAUTICAL	PEARS	-35 -30	-25	- 20	-17.5	-15	-12.5		7.5	-5			10 -12			.5 +20	•25	•32 •35
RELOW 1 TO 2 TO 5 TO 1 10 TO 1 15 TO 2 25 TO 1 30 TO 1	1 2 5 13 15 15 15 15 15 15 15 15 15 15 15 15 15	0.36 0.07 0.26 . 28 . 27 L.	9.1 13.0 40.1 83.3 91.4 9.	11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2								1	;	2 2	•			1			
TOTAL	•		255.0	20								2	•	•	٠			1 1			
							\$1	08H P	LUS N	ON-5 TO	mm										
ALTITUE			VAUTICAL	1014			•				upe	DESTA	I BUT I	ON IF	1./50	10 -12			. 6 .26	+25	• 32 • 35
86F0A	L	G- 36	12.0	PEARS	-15 -30	-53	-25	-17.3	-17	-12.5	-10 -	ï	7	1	ï			i '''			
1 TO 2 TO 5 TO 1	5		60.1 03.3	ų								1	ì	1	•						
10 TO 1	15	5.32	110.0	3																	
20 10 2		6.44	135.0	6									1								
ABOVE S	15	16.26	4525.3	27								2	į	3	•			1			
181																					
					DISTRI		FOR WARE GOW,	DERIV	ROUTE ORT, AMO ON NM OR TH ER SE	ATICAL BETWI WARE ! WT A/G	SLAWO		CITY								
							NO	M-ST()	AH CO	<b>WOITIC</b>			1 44 17 1	m 15	T./SCC						
	10 10 15 15 15	1 mg teduns 0.  0.0 0.10 2.63 3.73 3.61	VAUTICAL ) MILES 3. 3. 3. 3. 32.9 42.6 1179.6 32.5 1593.0	PEARS	-35 -30	-25	-20		-15	-13.5	-10 -	7.5	-3	<b>~</b>	7.5	13 -12	.5 +1	9 •17	.5 -20		•12 •15
								\$108#	COHO	111041											
ALTITUE	NE .	TIME	HAUTICAL HILES	TOTAL	-35 -3:	-25	-26	-17.5	-15	-12.5	-10 -	DISTR	18411	ON 15	7./SEC	19 -12	.5 •1	5 +17	.5 -20	+25	+39 +39
1 76 2 70 5 70 10 70 11 70 20 70 25 70 10 70	1 3 1. 19 20 25	0.32 0.31 3.35 0.86 0.	2.6 1.8 19.0 16.4 19.4 0.	000000000000000000000000000000000000000								1	;	2							
TOTAL	77	10	99:2	•								1	4	2	2						
							51	-	LUS A	<b>104-</b> \$7(											
ALTITUE (1005 (	K.	TIME	MAUTICAL MILES	TOTAL	-11 -10	- 24	. 30	-17-4	-14	-12.5	U06	06 57 e 7. 3	16071	CM IF	T./540	10 -12	.5 •1	5 -17	.5 -20	•25	•30 •35
1 70 2 70 5 70 10 70 10 70 15 70 20 70 25 70	1 2 5 10 19 23 25 30	0.02 0.39 0.39 0.00 0.00 0.00	2.0 1.0 10.4 10.4 21.0 32.5 42.0	7			J-				7.4	1	;	2	2						
TOTAL	37	3.00	1000.1									1	•	2	2						

# TABLE Dere DISTRIBUTIONS OF DERIVED VERTICAL SUST VELOCITY FOR THE AGUST DETWERN WARE AIRPORT, WARE ISLAND AND SAIGON, TAN SON NMUT A/O, VIETNAM FOR THE SPRIMS SEASON

	CONDIT	

ALTITUDE		AUTICAL								UD		RIBUT	ION II	T./SEC	1					
BELOW 1			PEARS	-37	- 33	-47	-20	-17.3	-15 -12	.> -10	-/.5	-,	• • •	• 7.5 •	0 •12.	> •15	•17.9	• 20	•25	*30 *35
2 10 2	i.	ő.	3																	
5 TO 10	6.	3. 3.	ú																	
15 TO 23 20 TO 25	3.26 U.25	99.0	3																	
25 TO 30	34	143.6	3																	
3G TO 35	9.53	4202.9	1									•	3							
TOTAL	14.10	7686.2	7									•	3							
ALT LTUDE	7106	AUTICAL	TOTAL					STORM	CONDITIO		DIST	a i aut	10m (1	T./SEC.						
(1003 FT)			PEAKS	-35	-30	-55	-50	-17.5	-15 -15				1	7.5 1	ó +12.	5 +15 1		• 20	• 25	*30 +35
1 10 2	i	12.3	2	٠							•	1	i	,		•				
5 TO 10	2.21	66.8	2										2	•						
15 10 15	:•31	72.0	2:																	
20 10 25	0.	3.	0																	
30 TO 35	č.	٥.	6.																	
TOTAL	6.75	203.7	11								1	ı	•	•		1				
			TOTAL				\$1	TORM P	LUS NON-S					T./SEC.						
ALTITUDE	(HOURS)		PEARS	-35	-30	-25	-20	-17.5	-15 -12.	.5 -10	-7.5	-3	.5 .	7.5 .1			+17.5	+20	•25	+33 +35
1 TO 2	5.36	12.3	2								1	1	ì	1		1				
2 TO 5	2.21 2.23	45.1	2										2	3						
10 TO 15	3.24	72.6	3																	
25 10 35	0.34	143.0	ŏ																	
30 TD 35 ABOVE 35	9.53	2544.1	1								٠	1	3							
TOTAL	14.93	7204.9	10								ı	5	7	•		L				
ALTITUDE (1845 FT) BELOW 1		AUTICAL MILES C.	TUT AL PFARS	-35	-30 -	-25	М	ючтн M-510	OR THE OF FERRUA AM CONO!!	IONS UDE	01579	118UT1	ON (F	T./SEC. 7.5 +1	)   •12.!	. •15	•17.5	-20 •	25	
1 10 2	ë:	3:	5																	
5 FD 1v	· .	3.	3																	
15 10 2 · 20 10 25	6.30	32.5	ô																	
25 TO 35	2.63	42.0 1173.0	C																	
ABOVE 34 TOTAL	3.61	1393.0	5																	
								S TORM	C0401710	ms .										
ALTITUDE (LOJE PT) BELOW L	(HOURS)	MILES	TOTAL PEAKS	-35	-); •	25	-36	-17.5	-15 -12.	y 06	01518 -7.5	-5	04 IF	1./SEC. 7.5 •10	•12.5	+15	+17.5	20 +	25	•30 •35
1 10 2	6.51	1.0	ĭ									1	_							
2 10 3 5 10 13 10 10 15	5	15.0	•									,	2	3						
15 TO 23	0.06	3.	2																	
20 TO 25 25 TO K		<b>;</b> :																		
30 TO 35 ABOVE 35 TOTAL	ç. :	3. 35.2	Ç								ı	_	_	_						
		****	•					216 18			•	•	2	2						
AL TI TUBE	TIME Y	AUTICAL	TOTAL				**	URF 17	LUS NON-S		01578	IOUTI	DN 4F1	./ <b>SE</b> C.1						
MELOW 1	IHOURS I	HELES.	PEARS	-35	- 30 -	25	-50	-17.5	-15 -12.	5 -10	-7.5	-5	•5 •	7.5	+12.5	-15	•17.5	29 +	25	19 +35
1 70 2	0.35	15.0	1								1	1	2	2						
5 TD 15	6.06	10.4									-		_	-						
5 to 27 10 to 25	0.34	21.0																		
15 TO 33 10 TO 35	2.43	1175.0	b																	
ABOVE 35	0.73	322.5	3								1	٠	2							
			•									•	•	2						

417

# DISTRIBUTIONS OF DESIVED VEHT PLAN GUST VELOCITY FOR THE RELUTE DETUDEN WARE ISLAND AND SAIGON, TAN SON MANT A/D. VIETNAM FOR THE MONTH OF APRIL

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						MON-210	AR COMPLT	11795										
ALTITUDE (180C FT) 8ELOW 1 1 TO 2 2 TO 5 5 TO 12 13 TO 15 15 TO 26 20 TO 25 25 TO 36 9C TO 35 ABOVE 35 TOTAL	7   MC 44   MC 45   MC		PEARS  O O O O O O O O	-35 -30	-25 -1	PO -17.5	· -19 -18.	.9 -10 -	DÍSTR 7. S	19411 -5	ON IF	7.5 •1	) • •12.:	5 +15	+17.5	•20	•25	+30' +35
						STORM	COM01710	MS										
ALTITUDE (1000 FT) 86.0W 1 1 10 2 2 TO 5 5 TO 13 10 TO 15 13 TO 2 20 TO 25 25 TO 33 30 TO 35 ABOVE 35 TOTAL	TIME N/ (MOURS) 0-33 3-22 6-02 6-34 6-35 6-35 6-35 6-35	WTICAL MILES 1.9 3.7 0.9 12.9 17.1 3. 3. 0. 9.	TOTAL PEAKS 0 0 0 0 0	-15 -33	-25 -2	6 -17.5	-15 -12.	uet   5 -10 -	0 3†A  7.5	-5	04 (F) +\$ +1	7./SEC.	•12.5	• • • • • • • • • • • • • • • • • • • •	•17.9	•20	•25	•33 •35
						STORM P	LUS NON-SI	1000										
ALTITUDE (1006 PT) BELOW 1 1 TD 2 2 TD 5 5 TO 13 10 TO 15 13 TO 20 25 TO 23 25 TO 33 30 TO 35 ABOVE 35 TOTAL	0.71 C.32 9.02 9.04 9.35 6.36 6.36 6.36 6.36 6.36	MITICAL MILES 1.3 3.7 6.0 12.9 17.1 21.1 22.3 27.8 1206.7 330.8 1743.0	TOTAL PEAKS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -3;			-15 -12-5	UDE C	) 6 5 TR   7.5	6W710	M (FT	./94c. .5 •16	1 +12.5	•15	•17.5	• 29	*45	*30 *35
				DISTRIBU	WA	F DFR [VI OR THE F RE AT RPC	BLE DET! ED VERTICA ROUTE BETS DRT. WAKE AND DR WHUT AA	ISLAND		177								
						RONTH C	F MAY											
					1	MO4-5104	M COM0171	1045										
ALTITUDE (1800 PT) SELBY I 1 TO 2 2 TO 2 3 TO 17 10 TO 19 15 TO 20 20 TO 25 20 TO 25 ABOVE 35 TOTAL	C. 2. 4. 0. 3.23 0.10 0.35 2.75	#FICAL #BLES 0. 5. 5. 7. 74.0 109.0 1250.4 3072.0	TOTAL PEAKS 0 0 0 0 0 0 0 1	-15 - 30	-29 -29	9 -17.9	-15 -12.5	uot 8 5 -10 -7	istat .9	1 2	) (PT	./\$EC.1 .5 +13	•12.5	•15	•17.5	•20	•23	•33 •35
						STORM	COMO   T   OM	\$										
ALTITUDE	TIME VA	MILES	PEARS	-19 -10	25 -20	-17.5	-15 -12.5	-16 -7	STATE	110	(FT.	/SEC.1	•12.5	•14	17.4	. 20	•24	•35 •35
00.00 L 1 TD 2 2 TO 3 5 TO 12 10 TO 15 15 TO 20 20 TO 25 25 TO 25 26 TO 35	6.93 6.34 J.16 J.19 8.16 6.	5.7 6.6 76.1 51.0 6. 6.	2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1				i	1	2	<b>)</b>						
ABOVE 35 TOTAL	6:41	150:0	11						1	1	•	•		1				
						1000	US 11011-ST	0011										
44.111400	11M NA	TICAL	TOTAL			79.1			1 <b>57</b> 810	WT 100	IFT.	/MC.)						
15 TO 20 20 TO 25 25 TO 30 30 TO 25 400VE 25	6.04 0.18 6.10 6.10 0.10 0.10 0.11 6.23 2.70 8.75	9148 9.8 6.6 36.1 53.0 95.0 73.0 76.0 105.0 1250.4	PEARS 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -30	·# - <b>#</b>	) <b>-17.8</b>	-15 -18.5	-10 -7	1	1	2	• •10 l	•12.5	•11		20	•25	•30 •35
TOTAL		144.0	10						1	•	,	•		ı				

## PERSONNEL DESCRIPTIONS OF SERVICE WATER AST VELOCITY FOR THE MOUTE SETUCES CLARK AS, PHILIPPINGS

## NON-STORM CONDITIONS

		NON-STORM CONDITIONS		
ALTITUDE TIME NAUTICAL (1900 PT) (NOUAS) MILES 86LOW 1 0. D. 1 TO 2 0. 0. 2 TO 5 5. D. 5 TO 10 0. 0.	TOTAL PEARS -35 -30 -25		015TR10UT10N (PT./SEC.) -7.5 -5 05 07.5 010	012.5 015 017.5 020 F75 037 035
10 TO 15 0. 0. 15 TO 20 1. 15 TO 20 1. 15 451. 9 20 TO 25 1.15 451. 9 25 TO 30 3.03 1930. 1 26 TO 35 13. 75 5420. 7 46042 35 5. 2 2501. 5 TOTAL 24.12 10463.6	9 1 3 12 3		3 l 1 1 2 5 7 2 1 6 13 2 1	
		STORM COMOTTIONS		
ALTITUDE TIME NAUTICAL (1906 PT) HOUNS) NILES BELOW 1 0.27 49.0 1 TO 2 0.09 100.0 2 TU 5 1.30 271.3 3 70 17 280.0	TOTAL PEAKS -35 -30 -25		7 11 10 12 3 10 11 26 10 2 12 26 33 12 4 3 21 29 6 2	*12.5 *15 *17.5 *20 *25 *33 *35 1
10 TO 15 C.05 272.0 13 TO 25 C. O. 20 TO 25 C. O. 25 TO 35 C. J. 30 TO 35 C. 297.7 ABOVE 35 C. TOTAL 4.65 1222.0	0 0 0 2	1 2 12	37 76 106 41 13	<b>5</b>
		STORM PLUS NON-STORM		
ALTITUDE. TIME NAUTICAL	TOTAL	une	DISTRIBUTION (FT./SEC.)	
1100 PT   (MOURS)   RILES   BRIOW   1 3.27   43.0   1 10.2   43.0   100.9   2 10.9   1 100.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.9   2 10.	PEARS -35 -30 -25 40 00 90 64 22 5 1	-20 -17.5 -15 -12.5 -10 1 2 4 2 3 1	-7.5 -9 00 07.5 -10 7 11 10 12 0 10 11 20 10 2 12 20 33 12 0 3 1 1 2 5 7 0 1 2 5 7 0 1 2 1 2 1 2 1 1	•12.5 •15 •17.5 •20 •25 •30 •35 1 3 1
30 TO 35 13.94 6127.4 400VE 35 5.72 2501.5 TOTAL 29.37 11.004.4	12 3 315	1 5 15	37 0 117 43 10	•
		TABLE DESS SOF DERIVED VERTICAL GUS FOR THE ROUTE SETWERN CLARK AS, PHILIPPINES AND ANDERSON AS, GUAM FOR THE UINTER SEASON NOM-STDRM CONDITIONS		
ALTITUDE TIME VAUTICAL (1806 FT) IMMURS) MILES 68.0M 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	707AL P24KS -35 -16 -25	-20 -17.5 -15 -12.5 -18	0157818WT10W (FT./SEC.) -7.5 -5 +5 +7.5 +10 :	·12.5 ·15 ·17.5 ·20 ·25 ·39 ·35
25 TO 3, 6.53 221.6	i		ı	
1074L 9.63 428-1	:		3 , 1	
ALTITUDE TIME NAUTICAL		STORM CONDITIONS		
11800 FT7 (HOURS) RICES 0800 122 17.1 1 70 227 43.0 2 70 5 0.43 06.3 5 70 10 0.30 74.2 10 70 1930 06.4 13 70 29 0. 3. 20 70 29 3. 0. 25 70 33 3. 3.		-20 -17.5 -15 -12.5 -16 i	013TR18UT1ON (47.75EC.) -7.5 -5 +5 +7.5 +10 + -7.5 -5 +5 +7.5 +10 + -7.5 -5 +5 +7.5 +10 + -7.5 +5 +5 +10 +10 +10 +10 +10 +10 +10 +10 +10 +10	*12.5 *15 *17.5 *23 *25 **30 *35 1
107AL 1.42 311.2	73	2 4	4 14 27 13 4	1
		STORM PLUS NON-STORM		
ALTITUDE TIME MAUTICAL (1000 FT) (MOURS) MILES DELDW 1 U-12 17-1	TOTAL PEARS -35 -30 -25	-20 -17.5 -15 -12.5 -10		012,5 +15 +17.5 +20 +25 +33 +35
2 TO 2 2-27 43-0 2 TO 5 0-43 66-3 5 TO 12 0-30 76-2 16 TO 15 2-30 66-6 15 TO 25 0-42 154-1 25 TO 26 0-53 221-6 16 TO 25 3-33 1226-0	24 12 16 6 1 1	2 3	2 3 6 6 2 3 2 9 4 1 1 5 5 1 3 6 1 1 1 1	1
1014L 11.35 4539.3	79	2 4	6 10 20 10 4	1

## TABLE DESC DISTRIBUTIONS OF DERIVES VERTICAL SUST VELOCITY FOR THE ROUTE SETWICK CLARK AS, PHILIPPINES AND ANDERSON AS, SUAM FOR THE SUMMER SEASON

## 104-51044 CONDITIONS

				404-91											
ALTITUDE (1000 FT) SELOW 1 1 TO 2 2 f0 5 5 TO 1)	· · · · · · · · · · · · · · · · · · ·	PEARS	-35 -30 -25	-20 -17.	5 -15 -17.5				N 1FT./5		•12.5	•19	•17.5 •	20 +25	• • • • • • • • • • • • • • • • • • • •
10 TO 15 15 TO 20 20 TO 25 25 TO 35 30 TO 35 400YE 35 TOTAL	5.10 66.9 5.10 79.3 6.25 105.8 5.10 2366.6 7.36 136.7 6.10 2728.8	3	•						2 1 2	1					
		·								•					
ALTITUDE	TIME YAUTICAL	TOTAL			H COMBITION	300		BUTTE	1 191./1	EC.1					
110% FT1 86LOw 1 1 TO 2	0.06 8.4 0.19 29.9		-35 -329	-217.	1 -15 -12.5 1	-1	7.5	- 1	• • • • • • • • • • • • • • • • • • • •	•19	12.5	•15	•17.5 •	• • • • • • • • • • • • • • • • • • • •	•33 •31
2 TO 5 5 TO 1. 16 TO 15	(1.65 114.2 .31 77.5 5.25 83.6	50				3	10		;	2					
15 TO 25							•	•	-	•					
25 10 33 30 10 35 ABOVE 35	b. 3.	9													
TOTAL	1.41 313.5	144			1	٠	20	42	1.	•	3				
AL TITUDE	TIME HAUTICAL	LOTAL		51 (MP. I	PLUS NON-57		MI ETA	taut iou	- (FT./S	4C.1					
11000 FT1	(HOURS) HILES	PEAKS	-35 -35 -29	-26 -17.5	-15 -12.5	-10 -	7.5	-9	\$ +7.5	+10		•15	•17.5 •1		*10 *15
1 TO 2 2 TO 5 5 TO 12	0.09 114.2 1.01 77.5	54			ı	1	10			1 4 2	3				
1. 10 15 15 10 2: 23 10 25	235 63.6 2.10 66.7 75.3	4					•	٠	2 1	ŀ					
25 10 32 32 10 35 460VF 35	105.5 5.10 2344.4 6.30 134.7	1							2						
TOTAL	7.51 3042.3				1	•	20	42 9	0 10	٠	3				
			BUSTALOUTION	FOR THE CLARK A AMBER AUTO	ROUTE BETW AB, PHILIPP AND ISON AB, GU IOR THE JAM SEASON DAN COMBITION	ings ings	910								
ALTITUDE	TIME VAUTICAL	TOTAL				VOE I	DI 374	1847104	101./8	EC.)					
1 10 2 1 10 2	;. 3.	PEARS	-16 -51 -21	-at -17.1	-15 -17.5	-1) -	7.5	•,		•10	•17.5	•15	•17.4 •2	0 +25	*10 *35
\$ 70 1 10 10 15	;; ;;	ě													
15 10 25 20 10 25 25 13 35	5.37 135.6 5.32 202.6 3.3 1211.9	ē,													
30 TO 35 ABOVE 35 TOTAL	5.34 2157.5 6.48 3736.7	12						,	,						
				17084	CONDITION:										
ALTITUDE (1990 PT)	TIRE MAUTICAL (HOURS) MILES	1014C	-15 -33 -25		-15 -12.5	UDE	DISTA:	-5	1FT./S	FC.1	.12.5	•15	17.5 +2	• •25	•12 • 15
1 10 2 2 10 5	3.40 14.5 6.17 34.1	22 21 20 16				i		: ,	4 3	ī					
9 76 15 10 70 15 15 70 23		16				1	ī		•		•				
25 10 30	· ·														
36 TO 35 480YE 35 TOTAL	3. 1.02 500.0	74				2	11	11 )	1 10	1	ı				
				5100P P	LUS 1104-870	e 4									
ALTITUDE (1000 PT)	TIME NAUTICAL	-	-15 -10 -25	-20 -17.9	-19 -12.9	-10 -1	7.5		101./SI		12.5	•15 •	17.5 +2	• •25	• 99 - 25
11000 PT1 041 DW 1 1 10 2 2 10 1	0.30 10.8 0.17 34.1	22				1	•		: ;	ı	1				
5 10 13 10 10 15 15 10 25	0.27 01.1 0.20 00.8 5.37 134.0	10				i.	i		•						
5 10 13 10 10 15 15 10 25 20 10 25 25 10 25 26 10 25	9.52 202.6 3.65 1211.9 5.73 2055.0	18						•	,						
ABOVE 35	16:00 1207:0					2	11	, ,		1	1				

## DISTRIBUTIONS OF DERIVED WESTICAL SUST VELOCITY FOR THE ROUTE DETWEEN CLARK AS, PHILIPPINES AND ANDRESS AS, BUAN

MON-STORM COMO 17 10MS

				NON-STORM	CO10 1 T 1045						
ALTITUDE (1100, FT) (1	TIME WAUTICAL (MODES) PILES 3. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	PEARS -	-35 -36 -29	-20 -17.5 -1	UDG 3 -12.5 -10	01578 (9UT) -7.5 -9	ON 197./3EC.)   05 07.5 010	*12.5 *15	*17.5 *20	•29 •32 •3	•
				STORM CO							
ALTITUDE (100C F1) 6ELOW 1 1 TO 2 2 TO 7 5 TO 1V 16 TO 15 15 TO 20 20 TO 25 25 TO 30 36 TO 35 480VE 35 TOTAL	TIME VAUTICAL HOURS! MILES C. 7 L. 3 C. 9 LS. 0 C. 23. 0	TOTAL PEARS - 14 11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-19 +36 -29	-20 -17.5 -19	upe 5 -12.5 -17 1 1	DISTRIBUT -7.9 -9 1 2 3 2 1 5	OM (FT./SEC.) • \$ • 7.5 • 10 • • 2 • 1	12.5 -15	+17.5 +29	*25 *10 *3	•
				STORP PLUS	HON-STORM						
ALTITUDE 11030 PTI 0ELOW 1 1 TO 2 2 TO 5 5 TO EC 10 TO 10 10 TO 20 20 TO 20 20 TO 20 20 TO 20 40074 20 TOTAL	TIME NAUTICAL (MOURS) RILES  J7 10-3  10 15-6  U-23 44-3  0-00 23-6  U-07 23-4  U-07	PEARS 14 14 14 15 17 17 17 17 17 17 17 17 17 17 17 17 17	-35 -36 -25	-26 -17.9 -19	uet	0:STAIDUT	ON (PT./SEC.) +5 -7.5 -10 5 -4 6 -2 4 -1	*12.5 *15 1	•17.5 •20	*25 *98 *91	
			0157419UT10MS	OF DERIVED VE FOR THE ROUT CLARE AB. FAMORASON FOR T MONTH OF F	E OFTWEEN MIL IPPINES AB, GUAN ME EGRUARY	T VELOCITY					
ALTITUDE (100C PT) 08L0w L 1 TO 2 2 TO 9 5 TO 17 1C TO 15 15 TO 2- 20 TO 2- 20 TO 25 25 TO 3 400VE 35 TOTAL	TIME NAUTICAL (HOURS) RILES b. 3. 5. 5. 5. 5. 5. 5. 6. 5. 6. 5. 6. 5. 6. 5. 6. 5. 6. 5. 6. 5. 6. 5. 6. 5. 6. 5. 6. 5. 6. 5. 6. 5. 6. 5. 6. 6. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	TOTAL PEAKS -	-35 -30 -25	-20 -17.9 -19	U00 -12.9 -10	0157018071 -7+5 -5 i i	04 (FT./SEC.) +2 +7.3 +10	•12.5 •15	•17.9 •23	*25 *30 *39	i
				1700A CO	0171045						
4. 11 1004 (1000 FT)	TIME VAUTICAL	TOTAL PLANS -	-35 -33 -25	-20 -17.6 -16		0157818UT1	DM (FT./SEC.)	12.5 -15	+17.5 +20	-25 -30 -35	
94L0w E 1 TO 2 2 TO 9 9 TO 19 10 TO 19 10 TO 29 20 TO 29 29 TO 39 20 TO 39 40 TO 39	6.00 J. 6.00 J. 6.12 J. 6.15 J. 6.16 J. 6.10 J.	1 8 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5				;					
					-17gan						
'A. 117000	TIME MANTICAL	TOTAL	-35 -30 -25			9157010VT1	M (FT./SEC.)				
'A. FITUME C1000 PTI GRUNU L 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO		Plans -	-33 -10 -23	-20 -17.6 -18	2 2	2 3 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1600 419		•25 •33 •35	

514

# DISTRIBUTIONS OF DERIVED VERYTEAL OUST VELOCITY FOR THE ROUTE SETWEN CLARK AB., PMILIPPINGS AND ANDERSON AB. GUAN FOR THE MONTH OF JULY NOM-STORM CONDITIONS

	100 300			NON-STO	-	DMS									
6 PLOW 1 1 TO 2 2 TO 5 5 TO 10	TIME HAUFICAL (HOURS) MILES 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.		-35 -30 -25	-20 -17.9	-15 -12.5				PT./SE +7.5		.9 +11	• • • • • •	20 +2	• • • • •	• 15
19 TO 22 20 TO 25	0.30 30.7 2.00 32.0	•						2	1	1					
25 TO 3J 30 TO 35 ABOVE 35	U-13 56.1 2.45 1103.4 0.30 134.7							2							
TOTAL	3. 5 1359.9	i						•	ı	ı					
				STORM	CONDITIONS										
MELOW 1	TIME VAUTICAL	PEARS -	35 -30 -25	-20 -17.5	-15 -12.5	-19 -7.	STRIBU 5 -5	TION (	FT./SF(	10 .12	. 9 • 1 9	+17.5 +	1) ·1	•>0	• 35
1 TO 2 2 TO 5 5 TO 10	6.35 7.3 0.23 45.5	5					l 2	1							
16 FO 15 15 TO 20	2.11 36.0	3													
29 TO 25 29 TO 32 30 TO 35	· · · · · · · · · · · · · · · · · · ·	2													
ABOVE 35 TOTAL	5:49 123.2	9					3	•							
				STORM P	LUS NON-STO	RH									
	TIME NAUTICAL	TOTAL PEAKS -	35 -30 -25	-20 -17.5	-15 -12.5	UDE DI -10 -7.	STR   80'		7./SEC		5 +15	•17.5 •	N +21	+30	+15
00LDW 1 1 TO 2 2 TO 5	0. 0.05 7.3 0.25 45.5	2					Ļ	1							
\$ 70 15 16 70 15 19 70 23	6.11 30.5 6.11 34.0														
20 TO 25	0.06 32.6 0.13 50.1	9						2	1	1					
30 TO 35 ABOVE 35 TOTAL	2.45 1103.4 0.30 134.7 3.54 1400.1	13					,		1						
		D	ESTREBUTIONS	OF DERIVE FOR THE F CLARK AS ANDERS FO MONTH C	NOUTE BETWE B. PHILIPPI AND SON AB. GUA IN THE IP AUGUST	en He s H	H. 0C   T 1	•							
ALT I TUDE	TIME MAUTICAL	TOTAL			M COMOITIO	UDE 01:	TREBUT	104 17	T./SEC	. 1					
(1896 PT) 984 Gw 1 1 TO 2 2 TO 5 5 TO 13 1: TO 15	thoughs) Miles		)5 -30 -25	-20 -17.5	-15 -12.5	-10 -7.9	· - •	• • •	7.5 •	ió •12.	5 •15	+17.5 +2	•25	+30	• 35
15 TO 20 20 TO 25 25 TO 30 36 TO 35 ABOVE 35 TOTAL	0.10 36.2 0.11 42.9 0.12 49.4 2.73 1240.0 0. 3.35 1340.9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
107.00	,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				COMO ET LONG										
ALTITUDE	TIME MAUTICAL	TOT AL		STORM		UDE 011	TRIBUT	10N (F	T./SFC	. 1					
(1990 PT) 98LDW 1 1 TO 2	(MOURS) HILES 0.36 0.4 0.14 22.5	PEAKS -:	35 -30 -7	-20 -17.5	-15 -12.5	-10 -7.1 1 8	2	• • •	7.5 4	l •12.	• 15	•17.5 •2	• 25	•13	• > >
\$ 70 S \$ 70 L3 16 70 L5	U.20 46.7 U.14 46.0	53 44 15				;	16	17	•						
15 TO 25 20 TO 25 29 TO 30	· · ·	. 6				•	•	•		•					
30 TO 35	· · · ·	0													
TOTAL	6.42 193.3	137			1	4 17	42	42	10	• ,					
ALT1710E	TIME VAUTICAL	****		STORM PL	US NON-5701										
86LOw 1	C.MA HILES	3	9 -94 -25	-20 -17.5			-;	•5 •	7.9		+15	17.5 -20	+25	•32	• 35
1 70 2 2 70 3 5 70 L	0.14 22.5 2.37 46.7 V.20 44.9	22 53 44			•	1 2	16	15	į	1 3					
10 TO 15 15 TO 20 20 TO 25	0.14 44.8 0.10 H.2 0.11 42.5	0 0				•		*		ĭ					
25 TO 33 30 TO 35 400VE 25	2.73 1243.0														
1014	iior miis	137			1	4 17	42	42	14						

## TABLE DISC DISTRIBUTIONS OF DEGIVES VERTICAL GUST VELOCITY FOR THE ROUTE SETUESN CLARK AS, PHILIPPINES AND ANDERSON AS, SUAM FOR THE MONTH OF MOVEMBER

NON-STORM CONDITIONS

				NON-STORM COMPLITE	745					
ALTITUDE (1000 P) RELOW 1 TO 12 TO 12 TO 15 TO 16 TO 17 TO 17 TO 17 TO 17 TO 17 TO 17 ALTITUDE (1000 P) ABOVE 35 TO 34 ABOVE 35 TO 14 ABOVE 3	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0		-19 -10 -29	-20 -17.5 -15 -12.5	-10 -7.5	-9 -•	(PT-/SEC.) 5 +7.5 +10 7	*12.5 *15	•17.5 <b>•2</b> 0	•25 •32 •35
				STORM CONCITIONS						
ALTITUDE (1900 F1 ARLOW I I FO 2 2 FO 2 3 TO 12 10 TO 17 10 TO 2 22 TO 2 25 TO 3 30 TO 3 30 TO 3 480VE 3 707AL	0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.39   0.	CAL TOTAL   SS	-39 -30 -25	-26 -17.9 -15 -12.5	ung pist -10 -7.5 1 5 4 1	- 3	1 2	*12.5 *15 1	*17.5 <b>*20</b>	*25 *32 *35
				111111111111111111111111111111111111111						
ALTITUDE (1000 PT BELOW 1 1 TO 2 2 TO 1 5 TO 1 10 TO 1 15 TO 2 20 TO 2 20 TO 2 20 TO 2 20 TO 2 30 TO 3 40 TO 3	CHOURS   MIL   C.39		-35 -35 -25	STORM PLUS NOM-STO -2C -17.5 -15 -12.5			7	•12.5 •15 1	•17. <b>5</b> •20 ₹	·25 ·39 ·35
			DISTRIBUTIONS	TABLE DESIGNATION TO DERIVED VERTICAL FOR THE ROUTE SETHE CLARK AS, PHILIPP! AND ANDIRSON AS, GUA FOR THE RUNTH OF DECEMBER HIN-STORM CONDITIO	en NES M	OCITY				
ALTITUDE (10-30 PT 0ELOW 1 10 12 2 TO 10 10 TO 15 15 TO 23 20 TO 23 20 TO 23 20 TO 33 30 TO 34 30 TO 34 30 TO 34	1 (HOURS) MEL       		-35 -3C -25	-20 -17.5 -15 -12.5	UDE DISTR	:IBUTION -5 +5	(FT./SFC.) 3 •7.5 •10	*12.5 *15	·17.5 •20	•25 •30 •35
				STORM CONDITIONS						
ALTITUDE (1006 FT RELEW 1 1 TO 2 2 TO 3 3 TO 10 10 TO 12 25 TO 25 25 TO 3 30 TO 3 480VE 3	1 HOURS   MIL 6.35 5.15 6.29 6.36 3.38 0.		-35 -30 -25	-20 -17.5 -15 -12.5		1 BUT (DN -9 +9 1 I 2 1 I	2	•12.5 •15 <b>·</b>	17.5 +20	•25 •33 •35
TOTAL		2.3 13			1	2 4	4 2			
				STORM PLUS NON-STO						
ALTITUDE (1906 PT BELOW B 1 TO 2 2 TO 2 5 TO 12 16 TO 29 20 TO 29 25 TO 32 450YE 39 TOTAL	6.18 6.18 6.29 6.30 6.30 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10		-35 -30 -25		ung DISTR -10 -7.5 1	1 1 1 2 4 4	2 2	·12.5 ·15 ·	17.5 +20 (	23 •33 •35

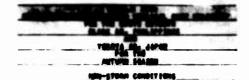
## TABLE Dage CISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETMEN CLARK AR, PHILIPPIVES AND YOKOTA AS, JAPAN

## NON-STORP CONDITIONS

							N	DN-ST	DRP C	049 I T	1045											
8 ELOW 1 1 TO 2 2 TO 5 5 TU 15 10 TO 15 15 TU 20	0. 0. 0. 0. 0. 0. 0. 0. 0.	3. 3. 3. 3. 730.9	TOTAL PEAKS 0	-11	-30	-25	- 20	-17.	5 -15	-12.	9 -10	-7.5	-5	•5		•10	+12.5			5 +20	+25	•32 •3
20 TO 25 25 TO 30 30 TO 35 AROVE 35 TOTAL	32.25	2669.4 9829.4 13724.9 14533.2 37495.7	108 92 264 236 707				l 1		1	2	1 0 2 11	14	2° 27 70 86 212	44 129 100 353	12 15 16 52	2 17 3 24	1	3			1 1	
								STOR	4 CD4	01719	NS											
ALTITURE	FINC V	AUTICAL MILES	TOTAL	-15	-).	-25	-20	-17.	5 -15	-12.			ra 1801	I DN	FT./5	€C.) +10	+12.5	+15	+17.	5 +20	+25	+32 +39
BELOW L 1 TO 2 2 TO 2 5 TO 12 10 TO 15 15 TO 20 25 TO 25 25 TO 35	1.16 2.49 1.76 2.10 5.39 5.39 5.39	68.1 18J.7 49Q.4 551.2 683.6 27.2 28.2 51.7 234.5	54 138 282 13, 62 9			ι	1		2	2	2 4 5 2 2	12 27 27 10 2	15 33 74 43 22	106	7 17 42 19	15	3 7 1	3				
ABOVE 35 TOTAL	8.87	2265.5	667			1	1		2	•	15	78	167		•1	30	•	•				
							\$1	ORP (	PLUS !	NON-51	FORM											
ALTITUDE	TIPE N	MILES	TOTAL PEAKS	-35	-36	-25	-50	-17.5	-15	-12.	-10	-7.5	-5	+ 5	FT./5	+10	+12.5		+17.5	+20	+25	-33 +39
NELOW 1 1 TO 2 2 TO 5	1.16	102.7	54 130 202						2	•	\$	12 27 27	15 33 74	13 47 136	17 42	15	3	1				
5 TO 15 10 TO 15 15 TO 23	1.76 2.10 2.10	501.2 683.6 766.2	130 62 7			1	1			2	5	10	43 22 2	21	19	1	į	3				
20 TO 25 25 TO 33 30 TO 35	6.77 13.61 31.81	2697.5 3001.1 13959.3	92				1		1	1	1	14	25 27 70	130	12	2 2 17	2	1			1	
ABOVE 35	32.25	14533.2	1374			1	2		3	13	26	116	399	100	143	42	11	13			1	
							CL	YMOT	AND A AB. UR TI	JAPA HF EASON	IN INES											
ALTITUDE	71ME 4	MITICAL	TOTAL							DNDITI	UCE	0157	R I BUT	104 (	FT./S	EC.1						
(1000 FT) 86LOW 1 1 TO 2 2 TO 5 5 TU 10 10 TO 15 15 TO 20	0. 0. 0. 0. 0. 0. 0.	MILES 0. 0. 235.0	PEAKS	-35	-30	-25	-30	-17.9	-15	-12.5	-ic	-7.5	-5	•5	•7.5	•15	+12.5		+17.5	• 20	•25	•30 •35
20 TO 25 25 TO 32 30 TO 35	1.34 4.18 u.73	535.8 1862.2 327.7	19									1	5	13	1	1		ı				
TOTAL 3>	12.30	2438.6 5399.4	21									1	5	12	1	1		ı				
								STORM	CONC	1710												
ALTITUDE (1000 FT) BELOW 1	6.39	MILES 7.0	PEAKS	-35	-30	-25	-20	-17.5	-15	-12.5	-10	-7.5	-5 1	• 5		+10	•12.5		•17.5	• 20	+25	•35 •35
1 FO 2 2 TO 3 3 TO 10	5.61 5.24	39.4 112.0	45								1	?	24	21	i	ı		1				
10 TO 15 15 TO 27 20 TO 25	0.73 0.	244.3 3.	10									1	•	•	1							
25 TO 3) 30 TO 35 ABOVE 35	·.	٥. ن.	0																			
TOTAL	1.45	471.9	1 20								2	14	36	57	٠	•		1				
ALT I TUDE	T [10] No.	WTICAL	TOTAL				\$7	nem #	LUS	ION - \$ T	UDE	DIST	AIBUT	104 (	FT./81	lC.)						
11000 FT1 BELDW 1 1 TO 2	(HOURS) 6.39 5.27	7.0 39.4	PEARS	-35	-30	-25	-20	-17.5	-15	-12.9	1	-7.5 7	1 17	3 21	•7.5	•10 2	•12.5	+15	+17.5	+50	•25	•33 •35
2 TO 5 5 TO 10 10 TO 15	0.24 0.73	46.4	45								ī	1	14	1	1	i						
15 TO 27 20 TO 25 25 TO 39	5.67 1.34 4.10	235.0 535.0 1042.2	19									1	5	10	1	1		ı				
30 TO 35 ABOVE 35 TOTAL	6.73 5.38 14.20	327.7 2430.6 5071.3	1.1								2	15	41	1	,	5		2				
			. **							7.	•		••	••	•	•		•				

## TABLE Date 01STRIBUTIONS OF DEFINED VENTICAL SUST VELOCITY FOR THE ROUTE GENERAL CLARK AB, PHILIPPINES AND VOROTA AB, JAPAN

					NO	M-510	-	<b>0</b>   T	045											
ALTITUDE (1000 FT: 0ELOW 1 1 TO 2 2 TO 5 5 TO 10 16 TO 15 15 TO 25 20 TO 25	TIME MAUTICAL HOURS   MILES   0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	PEARS 9 0	-35	-30 -25	-20	-17.9	-15 -	12.9	-1.0	-7.5	1818U -9	i 1		\$8C.) *10	•12.5	•19	+17.9	• 20	•25	•32 •35
25 TO 32 30 TO 35 480YE 35	7.50 324J.1 9.56 4333.1 13.40 6159.4	57					ı	2	2	7	50	20		19		1			ı	
1014	33.42 14053.1						1	2	3	ıi	49	• 5		11		ı			ı	
					1	STORM	10401	TION												
ALTITUDE (1000 FT) RELOW L	J.17 24.3	PEAKS	-35	-30 -25	-50	-17.5	-15 -	12.5		-7.5	-9	**	4	+13	*12:5	•15 1	•17.5	•50	•25	•33 •35
1 TO 2 2 TO 5 5 TO 12 10 TO 15 15 TO 20 20 TO 25 25 TO 32 30 TO 35	0.33 \$2.4 0.78 155.5 0.51 144.4 0.57 182.4 0. 0.	113	•				1	1	1	17	20 18 2	39	16 14 1	7	2	ı				
TOTAL	2.34 560.2	266					ı	ı	,	39	67	•1	42	14	•	2				
					\$10	-	LUS NO	<b>4-5</b> T(	<b>30 H</b>											
ALTITUDE (1900 FT) MELOW 1	TIME HAUTICAL HOURS) MILES 5.17 24.9	PEAKS 23	-35	-3: -25	-20 -	-17.5	-15 -	12.5	-10	-7.5	IR 1001		FT:/1	+10			+17.5	• 29	•25	•37 •35
1 TO 2 2 TO 5 5 TO 1 10 TO 15 15 TO 23	0.33 92.9 J.70 195.9 91 144.9 97 162.4 92 191.2	113 64					1	1	ì	13	14 20 10	30	16	1 7 1	2	1				
26 10 25 25 10 3. 30 10 35	2.35 936.3 7.50 3242.3 9.56 4303.3	57					1	2	i 2	3	50 Fu 5	20	5	10		1				
TOTAL	13.44 6199.9 35.79 19393.1						2	,		50	114	134	53	25	4	,			i	
						SUMME	AB,	ON												
							M CON		145											
ALTITUDE	TIME MAUTICAL INDUSTS	TOTAL PEAKS	-35	-30 -25	-20 -	17.5	-15 -1	2.5					FT./S		.12.5	•15	•17.5	28 (	-25	+33 +35
1 10 5 2 10 5	6. J.	9																		
5 TO 17 10 TO 15 15 TO 27	3. 3. 3. 1.42	3									2	,								
2°. 10 29 25 10 37 32 10 35	2.36 968.0 6.59 246.4 9.78 2597.2	01 7 47							,	3	12	31	3	1		1				
ABOVE 35	9.37 4101.7	335						2	;	21	71 104	167	25	7	1	ı				
						TORM	COMDIT	1041												
ALTITUDE 1100L FT) BELOW 1	TIME NAUTICAL INDURS: MELES C.JO 11.5	PEARS	-35 -	D: -25	-20 -	17.5	-19 -1	2.5	-16 -	7.8	-5 -5		7.5		12.5	•15	•17.5 •	20 •	25	•33 •35
1 70 2 2 70 5 5 70 1,	0.21 33.4 C.60 123.9 94 165.1	10 23 16								4	12	26	12	1	ı					
10 TO 15 15 TO 23 20 TO 25	6:40 133.3 9: 0:									ĺ	ī	i	1							
25 TO 35 30 TO 35 ABOVE 35	ÿ. ÿ. 3.																			
TOTAL	1.03 402.4	97							1	•	30	33	17	•	2					
ALT I TUBE	TIME NAUTICAL	TOTAL			510	AH PL	US NON	-570		0141	1807	10m f	PT./50	ic. 1						
(1800 FT) RELOW 1 1 TD 2		PRASS 10	-35 -	30 -25	-50 -	17.5	. 5 -1	2.9	- 10 -	7.3	-3	1	7.5		12.5	•15	17.5	20 +	25	•30 •35
2 10 5 5 70 10 13 70 15	6.69 123.9 6.54 160.1 5.40 133.3	50 16							2	,	1	29	1	;	ı					
15 10 29 20 10 25 25 10 30	2.14	oļ.								•	1	,	·	ı						
36 TO 35 460VE 35 TOTAL	0.90 2007.2 9.70 2997.2 9.37 4181.7 20.39 8909.3	199						2	1	14	12 71 134	200	14	2	1	1				
		7.50				97		•					-	••		•				



01.000 PT: 00.00 1 1 TO 2 7 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 10 10 TO 15 10 TO 25 26 TO 26 27 TO 27 28 TO 30 30 TO 25 29 TO 30 30 TO 25 29 TO 30 30 TO 25 29 TO 30 30 TO 25 29 TO 30 30 TO 30	0. 0. 0. 0. 0. 0. 0.		460	-11 -10 -21	-30 -17.5			-1:1		1 2			•12.5	•15	ara in	415	
	1.17	227.2 400.4 4934.5 1732.9	147		1	5	3	1	24	04 10	?	1	5	1			
TOTAL	21.46	9166.3	190		1	•	,	5	92	111	15	•	2	ı			
					1700	COMOLITIO											
(1000 FT) DELOW 1		MAUTICAL MILES 25.2	PEARS	-35 -30 -25	-20 -17.5	-17 -12.		-7.5	-3	10N 1	*7.5	*10	•12.5	•15 •	17.5 -30	•55	*10 *15
1 TO 2 2 TO 5	0.50	54.6	10			1 3	1	3	20	25	13	*		3			
3 TG 10 10 TG 13 15 TO 20 20 TO 25	0.47 0.40 0.07	127.0 123.0 27.2	32	1	1	2	2	i	11	11	;	í	i	•			
20 TO 25 25 TO 30 30 TO 35	0.00 0.17 0.55	20.2 51.7 234.5	•							1							
ABOVE 35	0. 1.70	771.2	186	1	ı	1 5	٠	14	54	50	24	14	2	٠			
					STORM F	LUS NON-S	roa n										
ALTITUDE (1000 FT)	TIME	NAUTICAL MILES	TOTAL PEAKS	-35 -30 -25	-20 -17.5	-15 -12.	-10	-1.5	4 1 00 T	100,1	PT./S	#C.1	•12.5	+15 +	17.5 -25	+25	+10 +10
\$8L0W 1 1 70 2 2 70 5	0.17 3.36 0.50	25.2 54.6 96.2	13 10 M			1 3	4	i	3	23	3	2		,			
9 TO 10	0.47	127.4	12	1	1		2 2	i	11	11	•	7	1	3			
15 10 29 20 10 25 25 10 30	0.54 0.72 1.33	190.5 295.4 992.1	20					ı	•	12	,	1					
30 TO 35 ABOVE 35 TOT \L	15.74	4771.0 1752.0 7931.3	20 302	1	1 2		,	21	100	10	41	1	2	1			
ALTITUDE (1000 PT) 60.00 T1 1 T0 2 2 T0 5 3 T0 10 10 T0 15 15 T0 20 20 T0 25 23 T0 20 30 T0 34 40000 39	FINE (100,005) 0. 0. 0. 0. 0. 0. 0.40 3.30 2.40 0.24	NAUTICAL MELES 0. 3. 0. 2. 100.7 100.8 1100.0	TOTAL PEARS	-15 ,0 -25	MONTH MON-STO	AMO A AB, JAPA OR THE OF JAMUARY RM COMOST?	ons vot	i	-1	• • • • • • • • • • • • • • • • • • • •	•7.5 1	•10 ·	•12.5	1	7.5 +20	•25	*10 *25
TOTAL	4.50	2043.6	10		1.2420			1	,	11	1	1		1			
ALTITURE		MUTICAL	TOTAL			CONDITION	706	01571	L   9VT	on ti	7./1	IC.,		-14 41	7.5 +20	-25	•30 •35
1 10 2	0.12	17.9	PEARS	-39 -30 -29	-20 -17.5	-15 -12.5	1	2		11	1	8	12.5	1	V20	-	
2 70 3 3 10 10 10 70 13 15 70 20	0.27 0.11	42.4 32.5 170.3	77					1	:	1	1	ı					
5 70 10 10 70 15 15 70 20 20 70 25 25 70 30 30 70 35	:																
30 TO 35 ABOVE 35 TOTAL		8. 8. 270.1	,				1	10	21	30	,			1			
101.2						LUS 1881-51		14.04			•	·		-			-
4.717400	Tine .	MUTICAL	TOTAL		1000		utte	06876 -7.5	11007	On 11	1./9	K.1			7.5 -20		
ALTITUDE (1000 PT) 60LGH 1 1 TO 2 2 TO 5	7(mg ) (mg/ms) 0.01	7.0 17.7	PEANS	-35 -36 -25	-20 - 17.5	-15 -12.5	1	2	1	13	!	•10		1		-	
10 77 15	0.23 0.11 0.32	178.3	20.00					1	:	14	1	. 1		= 7.0			
9 TO 10 10 TO 15 10 TO 20 20 TO 25 25 TO 20 26 TO 27 44007 25	0.49	178.3 100.7 100.6 1100.6	14					1	1	•	-1	-1	10.00	1			
30 TO 39 40071 35 TOTAL	4:00 0:24 1:77 7:05	100.7	1		Ε.		т.	- 11 -	p.	H	-	-		-			
			0.5				-	-	-	7117							100

# TABLE Dega DISTRIBUTIONS OF DERIVES VERTICAL GUST VELOCITY FOR THE ROUTE DETWERS CLARK AB, PHILIPPINGS AND YOROTA AB, JAPAN FOR THE ROWTH OF FERRUARY

ALTITUDE (1000 PT 0ELOW 1 1 TO 2 2 TO 5	TIME TAUTICAL HOURS) MILES L. 0. 9. 0.	TOTAL PEARS	-35 -30 -25		-15 -12	UD	-7.5	18 18UT	10M (1	7./SEC. 7.5 +1	. +12.	5 •15	+17.5 +	10 +25	+33 +35
5 TO 12 16 TO 15 15 TO 20 20 TO 25 25 TO 30 36 TO 35	0. 0. 0.10 30.9 0.95 396.1 1.37 624.2 0.28 126.9	0 0 3 0						2	ı						
TOTAL	2.70 1102.1	3						2	1						
				STORM	C0W0   T	Des									
ALTITUDE	TIME NAUTICAL		7. 128 1	22		UDI	0151		104 (5	1./SEC.	2				T4 = 0
1 10 5	) (HOURS) HILES 2. 1.10 16.5	PEAKS C	-35 -30 -25	-20 -17.5	-15 -12.	. 5 -10	-7.5	-5	•		9 +12. L	> *1>	•17.5 •2	a .52	•10 •35
2 10 1 9 10 L3	0.22 41.1 0.37 17.6	ľ					•	1	3	•	•				
10 TO 15 15 TO 23 20 TO 25	9.14 43.8 9. 9.	0						2							
25 TO 30 36 TO 35	c. •.	9													
TOTAL	0.53 110.9	31					ı	13	14	2	ı.				
				STORP P	LUS NON-S	TORM									
ALTITUDE	TIME MAUTICAL (HOURS) MILES		-35 -30 -25	-20 -12.5	n18 n19.					T./SEC.			+17.5 +2	• •25	*33 *35
BELOW 1	0.19 3. 0.19 10.5	19	-33 -30 -27	-20 -17.5	-17 -12		1	•	,	2	,	, ,,,	V	• •	****
2 TO 5	3.22 41.1 5.37 17.6	i						1	5						
10 TO 15 15 TO 25 20 TO 25	0.14 43.8 0.10 34.9 0.95 396.1	0						2	ı						
25 TO 30 30 TO 35 400v6 35	1.37 624.2 0.20 126.9	0													
TOTAL	3.23 130ils	34					1	15	15	5 1	ı				
			DISTRE <b>B</b> UTIONS	OF DERIVE FOR THE F GLARK AS VOKOTA FO HONTH O		WEEN PINES AN	T VEL	OC ITY							
ALTITUDE	TIME NAUTICAL	TUTAL	-35 -30 -25	-20 -17.5	-15 -12.	UDE	0151	118071	ON 15	./\$FC.1	+12.5	* * 1 5	•17.5 •20	25	•12 •35
9670m 1 1 10 5 2 10 2 3 10 10	3. 9. 1. J. 6. 2.	0	-33 -30 -23	-20 -11.5	-17 -16.	10	-,,,	-,	•		*14**		· · · · · · · · · · · · · · · · · · ·		***
10 10 15	t. 0.	1							1						
20 TO 25 25 TO 30 30 TO 35	1.99 788.4 4.25 1831.4 4.25 2010.9	3				1 2	3	11	17 10	4 1 3 10		ı		1	
ABOVE 35	23.54 10501.0	115			l 2		10	30	.:	2 11		1		1	
				STORM	C0401110	NS									
ALTITUDE	TIME VAUTICAL	PEAKS	-35 -30 -25	-20 -17.5	-19 -12.	9 -18	01578 -7.5	19011	DN (F1	./SEC.1	+12.5	+15	•17.5 •26	+25	•32 •35
1 TO 2	0.11 15.4	11				1	:	*	1	5 4				-	
2 70 5 3 70 10 10 70 13	0.31 05.5 0.34 104.0	47			1 1	1	13	11	10	; ;	i	1			
15 70 25 26 TO 25	· · · ·	6						·	-						
25 TO 30 30 TO 35 ABOVE 33	0. 3. 0. 3.	3													
TOTAL	ii.e miie	159			1 1	2	20	39	54	22 0	)	1			
				STORM PL	US 140H-S	TORM									
ALTITUDE (100C FT) 80LOW 1	TIME HAUTICAL		-35 -30 -25	-20 -17.5	-19 -12.	5 -10	-7.5	-9	+5 +1		+12.5	+15	-17.5 -20	+25	•33 •35
1 10 2 2 10 3	0.20 32.5	11 12 65				1			,	;	,	1			
5 70 10	4.31 85.5	**			- •	·	3	ii	17	· ī	ī	·			
15 TO 20 20 TO 25 25 TO 30	0.34 104.0 6.29 104.2 1.99 780.4 4.25 1031.4	30			1		,	11	17	• 1					
30 TO 35	10.75 4964.8	36 99 10				5	ÿ 30	15	10	) 10 )1 19		1		1	
TOTAL	25.32 10043.4	271			2 3	,	,,,	**	••	. 14	3	5		1	

## TABLE DISE DISTRIBUTIONS OF DERIVED VERTICAL BUST VELOCITY FOR THE ROUTE BETWEEN CLARK AB. PHILIPPINES

YOROTA AB, JAPAN FOR THE MONTH OF APRIL

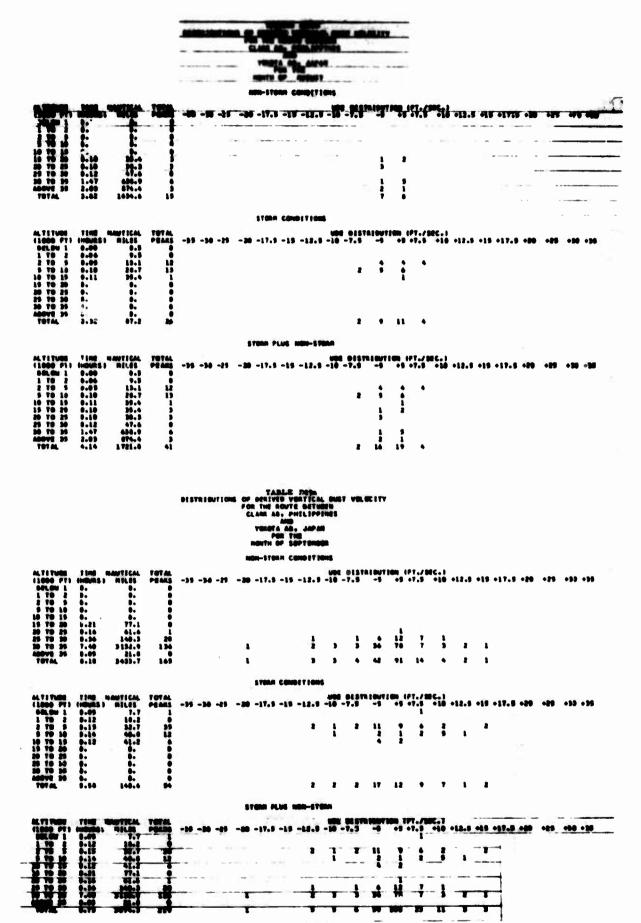
## NON-STOAM CONDITIONS

ALTITUDE		MAUTICAL	TOTAL							0151									. 25	
BELOW I	6. (MDC=2)	MILES	PEARS	-35	-30 -25	-20	-11.5	-19 -	2.5 -10	-1.5	-,	•,	••••		*****		*****		,	• >> • >>
2 10 2	٠.	٥.	٤																	
5 TO 13		0.																		
9 10 20	3:11	39.3	•																	
£ 10 25	2.90	1292.9	10								7	11	1							
3 10 35 BOVE 35	6.	0.	5																	
TOTAL	3.10	. 346. 2	19								7	11	ı							
							STORM	CONDIT												
TITUDE	TIME	MILES	PEAKS	-35	-30 -25	-50	-17.5	-15 -1	2.5 -10	-7.5	RIOUT	104 (	FT./SI •7.5	•14	+12.3	•15	.17.5	• 50	.25	.32 .35
1 4CJ94		5.6	:			•-			1		9	3	1	1						
2 10 2	0.17	22.9	17						•	ž	5	•	•	ż						
5 ID 13	0.12	24.6 37.7	15								,	7	•							
5 TO 25	3.	3.	3																	
5 10 32	••	4.	2																	
0 10 35 BOYE 35	i.	3.	0																	
TOTAL	41	103.6	••						1	•	11	17	•	,						
						8.74		116 2010	-STORM											
11.75.						•				. 0157										
LTITUDE		MILES	PEARS	-35 -	-36 -25	-50	-17.5	-15 -1	2.5 -10		-3				.12.5	.15	.17.5	. 20	.25	+12 +35
1 10 2	3.24	11.1	17						1		5	5	ı	1						
2 10 5	10	22.9	17						_	2	•	3	)	2						
6 10 15	0.12	37.7	14								•	,	•							
5 10 25 6 10 25	6.09	39.3	3																	
5 TO 33	2.48	1292.9	19								7	11	1							
BOVE 35	6.	2.	J										-							
TATO	3.59	1466.8	47						ı	•	20	3.0	•	1						
								A AB. J UN THE	47											
						HO	-570		111045											
L TITUDE		HAUTICAL	TOTAL						UDI	0157	REGIT	104 11	1./9	c.,				- 1		
AELDW 1	(HOURS)	MILES	PRAKS	-35	-30 -55	-50 .	-17.5	-15 -1	2.9 -17	-7.5	-4	• 5	7.5	•15	•12.5	•13	+17,9	. 23	*75	.15 .35
1 10 2	i.	0.	Š																	
\$ 10 13		U.	Ū																	
5 TU 23	£:15	43.7	0																	
0 TO 25	27	114.0	:								2									
0 10 35 60ve 35	3.31	1205.1	10							ı	3		1							
INTO	4.79	2963.3	55							1	12	•	1							
								CONDIT	Inns.											
			TOTAL						UDE	0157		104 IF		c.1						
TITUDE	INDURSI		PEAKS	-35	-30 -25	-50 -	-17.5	-15 -1	2.5 -10	-7.5	-5		7.5	-10			.17.5	.53	.25	.33 .35
I TO 2	3.32	1.3	12						1	ì	1	3	1	1	1	ı				
10 13	0.15	30.3	31							2	7	1 1	î	5						
10 15	3.12	38.7	2								i	·	i							
10 25		3.	à																	
5 TO 30	0.	3.	?																	
BOVE 35	0.47	117.7	39						2	•	11	20	12	3	ı	1				
		•••																		
						\$10	mp M	US NON	-5 700 M											
	TIME	MAUTICAL	1014	- 25	-33 -25			-15 -1	2.5 -10	-7.5	-5	ON 15	7./56	6.1	•12.5		417.4	.20		•32 •35
ELDW L	0.38	4.0	PEARS	- 35 .	-33 -43	-20 .		-13 -1	1		1	2	3	1	1	ï	*****	•••	***	.,, .,,
10 2	5.15	34.3	31						1	1	2	14	l.							
TO 13	0.12	39.4									1	ı	1							
10 23	0.12	43.7									2		•							
10 25	6.27	114.3																		
10 35		1484.5	10								5	•	Ł							
BOYE 35	2.73	1205.1	16						-	1		•								
1014L	7.17	3643.9	16						2	1	27	2	13	3	1	L				

## DISTRIBUTIONS OF DERIVED VERTICAL GUET VELOCITY FOR THE ROUTE GRUDEN CLARG AS, PHELPPINES AND VOKOTA AB, JAPAN FOR THE

HON-STORM CONDITIONS

							211	JECH C (		~											
A TITUDE		MAUTICAL ) MILES	PEAKS	-35	-30 -29	-20	-17.	-15	-12.5			TAINU -5					•19	•17.5	•20	.25	•33 •35
1 10 2	٥.	•	3																		
2 TO 3 5 TO 13 10 TO 15	G. J.	3. 3.	:																		
15 16 2. 20 10 25	0.34	31.9	5																		
25 TO 30 30 TO 35	6.11	47.3																			
TOTAL	3.15	1620.9	34 34						5	i	ì	10	19	3							
							\$100	COnc	el t lon												
ALTITUDE	1186	NAUTICAL	TOTAL							UDE	012	4190	1104 (	F1./S	€C.)						
BELOW 1	0.37	3.7	PEARS	-35	-30 -25	- 20	-17.9	-15	-12.5	-10						.12.5	•19	.17.5	•50	• 25	•33 •35
1 TO 2 2 TO 5 5 TO 10	0.13	4.3 27.7 22.9	13							1	2	1	7	3	1						
10 10 11	3.36	29.1																			
25 TO 25		ÿ.	3																		
3G TO 35	3.	à. ċ.	9																		
TOTAL	33	84.3	22							1	2	5	•	•	ı						
						\$1	FORM F	LUS Y	172-14DH	DRA											
ALTITUDE (1603 PT)	IMOURS		TOTAL PEAKS	-35	-33 -25	-50	-17.5	-15	-12.5	-10	-7.5	18 18U1				•12.5	+15	•17.5	• 23	•55	+10 +15
1 70 4	3.04	6.3 27.7	15								2	1	2	1	1						
5 TO 10 10 70 15	0.13 0.37 0.30	22.9 29.1	C							•		•	•	,							
15 79 211 20 10 25	9.00	21.9	3																		
33 10 35	0.37	47.3 34.1	5																		
TOTAL	3.15	1715.2	50						2	1 2	3	10	20	3	1						
							Y0801	A40, A 48, OR TH	JAPAN E JULY												
						140	M-510	AH CO	NO   1   0												
ALTITUDE		MILES J.	PEARS	-35	-329	- 20	-17.9	-15	-12.5	-10	-7.5	-5	LON I	+1./SI	•10	•12.5	•15	.17.5	•50	•25	• 32 • 35
1 TO 2 2 TO 5	**	5.	į																		
5 TO 1,	::	3. J.	2																		
15 TO 25	2.23	92.1	7 2								3	15	51		ı						
25 10 33 30 10 35	4.24	151.5	41							3		11	15		:		1				
TOTAL	11.23	1015.7	284							1	13	31	140	11	,	1	1				
							STORM	C040	171041												
11300 FF1	TIME		PEARS	-35 4	-30 -25	-20	-17.5	-15	-12.5	-10	-7.5	4 18UT		17.5	.10		•15	•17.5	• 29	+25	+30 +35
1 10 5	2.7	10.3	11								5	3	1	1 2	2	1					
5 70 15	36	130.6	3							1	L	1	i		3	•					
10 TO 15 15 TO 22 20 TO 25	6.21	3.	2									١		ı							
25 TO 32 30 TO 35	÷.		ž																		
ABOVE 35	å. 1.17	200.4	49							1	,	14	13	•	9	2					
ALTETUDE	TIME	NAVTICAL	1014					.05 4	DW-570		0157	<b>416UT</b>	10m (f	7./30							
OCLOW 1	HOURS	17.7	PEARS	-35 -	-36 -29	-50	-17.5	-19	-12.5		7.5	-;		7.5		*12:5	•15	17.5	•30	+52	+33 +35
2 10 5		03.1	53							1	2	•	•	i	,	1					
5 TO L3 10 TO 15 15 TO 25	6.36	100.4 49.5 62.1	}								1	1	1	1							
70 TO 25	2.20	905.9	79								3	15	*	•	1						
DO TO 35	4.19	1015.7	150							1	13	11	15	11	*		ı				
TOTAL	12.41	5124.2	333		1 (0					•	29	103	153	31	15	3	t				



# TABLE DEPO OISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE OFFUEN CLARK AS, PHILIPPINL; AND YOROTA AS, JAPAM FOR THE MONTH OF OCTORER

NON-STORM CONDITIONS

									-01111	~•										
ALTITUDE			TOTAL	71						UDE	0157	1001	04 (	FT./S	EC.1		.10			
BELOW 1	I IHOURS!	MILES	PEARS	-35 -	32 -25	- \$0	-17.5	-15	-17.5	-13	-7.3	-7	**	• 7 . >	* 10	*12.7	*13	• • • • • • • • • • • • • • • • • • • •		• >> • >>
1 10 2		J.	0																	
3 10 13	٠.	9.	C																	
10 10 15	0.	٥.	0										ı							
20 10 25	12	115.9	i										i							
25 TO 32 30 TO 35	55	234.3	0																	
ABOVE 35	3.40	1500.1	20								1	•	10		ı					
TOTAL	7.41	3168.5	52								1	•	1.5		ı					
							STORM	COMD	TIONS	•										
AL TITUDE		AUTICAL	TOTAL								01576									
68LD4 1	0.33	* ILE\$	PEARS	-35 -	35 -25	- 20	-17.5	-15	-12.5	-10	-7.3	-5	*>	• / • >	•13	*12.7	*15			•13 •15
1 10 2	19	13.0	13	•							3	•	3	7	ı					
2 TO 5		45.7	20 23					1	1	1	;	•	ï	í	ż		1			
15 10 15	1.13	37.2	23		1	1			2	2		6	3	3	1	1	3			
20 10 25	2.36	22.3	0																	
2° °0 37 30 10 35	4.33	11.5	Ü																	
ABOVE 35	٥.	;.	2																	
TOTAL	6.00	191.8	••		1	1		1	3	3		25	23	14	٠	ı	•			
						\$ 7	ORM PI	LUS M	3M-S TO	M M										
ALTITUDE		AUTICAL	TOTAL								01511		ON 11	FT./5	EC.1					
86FDA 1	3 (HOURS)	3.9	PEARS	-35 -	30 -25	- 20	-17.5	-15 -	-12.5	-17	-7.3	-5 1	••	• 7 . 3	•10	•17.3	.15	11.3 4	9 -23	•37 •35
1 10 5	39	13.0	13								2	3	3	3 7						
2 TO 5		45.7	29					1	1	1	3	•	7	í	1		1			
10 10 15	0.13	37.2	53		1	ı			2	2		•	1	3	ı	1	3			
20 10 25	6.40	130.2	i										i							
25 10 32	0.56	245.7	0																	
30 TO 35	3.00	1217.5	20								l l	•	10		1					
IOTAL	4.21	3340.3	113		1	1		ı	3	3	•	33	35	14	5	1	•			
				DISTR	LBUTION	FOR	THE ( ARK A) VIR OT ( F) ONTH (	ROUTE B, PHI AND A AB, DR THE	BETWE ILIPPI JAPAN EMBER	ves										
						NO	4-STO	IH CON	01710	MS										
ALTITUDE		AUTICAL	101AL	- 5.0		- 84				UDE	01516	IBUTI	04 15	7./5	C.)			17.5 42		+90 +35
0610A 1	) (HOURS)	WILES.	PEARS	-,, -	30 -53	- 20	-17.5	-15 -	12.7	-10	-1.5	-,	*,		*10	*12.7	.,, .	1117 44	,	*** ***
1 fo 2 2 fo 5		ě.																		
5 TO LO		3.	9																	
15 70 15	6.14	51.5	0																	
20 10 25	0.13	49.7																		
2 10 30 32 10 39		105.9	11									2	•	ı						
ABOVE 35	5.09	165.0	11									2								
10146	3.07	4 33 4 . 1	**									•		•						
							STORM	CONDI	71045											
ALTITUEC	1100	AUTICAL	TOTAL								DISTR		CH / F	T. / C.	r. 1					
610:4 PT	1 Chelling 1	-UIICAL		- 36 -	10 -11	-20	-17.5	-15 -	12.5		7.5	-3	.5	7.5	+19	•12.5	•15 •	17.5 +2	•25	+33 +35
BELON 1			PEAKS	- ,, -	10 -61															
	0.39	13.7	11	-,,	70 -67						2	5	3	1	2					
2 10 5	6.14	13.7 23.3 19.0	11 9 11	-,,	, - <u>.</u> ,					1	1	3	1	1	ŧ					
1 10 2 2 10 5 5 10 13	0.39 6.14 7.39 6.18	13.7 23.3 19.0	11	-,,	,u -2,					1	ĭ		1	1						
1 70 2 2 70 5 5 70 13 10 70 15 15 70 2:	0.39 6.14 7.39 6.18 6.14	13.7 23.3 19.8 44.9 45.4 9.1	11 11 11 3	-,,	, -e,					1	1	3	1	1						
1 TO 2 2 TO 5 5 TO 13 10 TO 15	0.39 6.14 6.18 6.14 6.14 6.14	13.7 23.3 19.8 44.9 45.4 9.1	11 11 11	-,,	, -e,					1	1	3	1	1						
1 TO 2 2 TO 5 5 TO 13 10 TO 15 15 TO 23 25 TO 33 25 TO 33	0.39 6.14 3.39 6.18 6.14 6.34 6.12 6.14	13.7 23.3 19.0 44.9 45.4 7.1 5.9 43.2 234.5	11 9 11 11 3 2 3	-,,	,					1	1	3	1	1						
1 70 2 2 70 5 5 70 13 10 70 15 15 70 23 24 70 25 25 70 33	0.39 6,14 3.39 6.18 6.14 0.34 6.14 6.55	13.7 23.3 19.0 44.9 45.4 7.1 5.9 43.2	11 11 3 2 2 3 0	-,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					1	1	3	1	1						
1 TO 2 2 TO 5 5 TO 13 10 TO 15 15 TO 25 25 TO 33 33 TO 35 ABOVE 35	0.39 6.14 3.39 6.14 3.34 6.72 6.14	13.7 23.3 19.0 44.9 45.4 7.1 5.9 49.2 234.5	11 11 11 22 22 20 11	.,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						1	3 1	1	2	ı					
1 TO 2 2 TO 5 5 TO 13 10 TO 15 15 TO 25 25 TO 33 33 TO 35 ABOVE 35	0.39 6.14 3.39 6.14 3.34 6.72 6.14	13.7 23.3 19.0 44.9 45.4 7.1 5.9 49.2 234.5	11 11 11 22 22 20 11		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		DAM PL			1	1	3 1	1	2	ı					
1 TO 2 2 TO 5 5 TO 13 10 TO 19 15 TO 25 25 TO 33 30 TO 35 ABOVE 35 TOTAL	0.30 6.16 30 6.18 6.14 6.34 6.14 6.55	13.7 23.3 19.8 40.9 45.4 7.1 5.9 43.2 234.5 438.7	11 9 11 11 12 2 3 0 1			\$7		.US NO	0 <del>4-</del> 5 TO	1 mm	I I I I I I I I I I I I I I I I I I I	3 5 1	1 1 1 15	1 2 3	,					
1 TO 2 2 TO 5 5 TO 13 10 TO 13 15 TO 23 25 TO 33 33 TO 33 30 TO 33 30 TO 33 ABOVE 35 TOTAL	0.39 6.16 3.39 6.18 6.14 6.14 6.12 6.14 6.39 7.14 7.14 7.14 7.14 7.14 7.14 7.14 7.14	13.7 23.3 10.0 40.9 45.4 7.1 43.2 234.3 438.7	11 11 11 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2		30 -25	\$7		.US NO	0 <del>4-</del> 5 TO	1 mm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 9 1 1 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	3 1 1 19	1 2 3 7. / SF	,	•12.5	•15 •	17.5 +2	• • • • • • • • • • • • • • • • • • • •	•33 •35
1 TO 2 2 TO 5 5 TO 13 10 TO 13 15 TO 23 25 TO 23 25 TO 33 ABOVE 35 TOTAL	0.30 6.16 7.30 6.18 6.14 3.34 6.12 6.14 6.55 7.14 7.18 7.18 7.18 7.18 7.18 7.18 7.18 7.18	13.7 23.3 19.8 46.9 45.9 45.2 234.5 438.7 AUTICAL MILES 13.7 23.3	11			\$7		.US NO	0 <del>4-</del> 5 TO	1 mm	01STR-7.5	3 9 1 14	3 1 3 1 19	1 2 3	, ,	•12.5	•15 •	17.5 +2		•33 •38
1 TO 2 2 TO 5 3 TO 13 10 TO 13 15 TO 23 25 TO 23 25 TO 35 ABOVE 35 TOTAL ALTITUDE 1100-01 1 TO 2 2 TO 2	0.30 6.14 7.30 6.18 6.14 7.34 6.14 7.35 7.14 7.18 7.18 7.18 7.18 7.18 7.18 7.18 7.18	13.7 23.3 19.0 46.9 45.9 47.1 5.9 430.7 430.7 AUFICAL MILES 13.7 23.3	11 9 11 11 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			\$7		.US NO	0 <del>4-</del> 5 TO	1 mm	01STR	3 9 1 1 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	3 1 1 19	1 2 3 7. / SF	, ,	•12.5	•15 •	17.5 +2	) •P5	•12 •19
ALTITUDE 1 10 2 2 70 9 3 70 13 10 70 2 2 70 2 3 70 3 3 70 3 5 ABOVE 3 TOTAL  ALTITUDE 1 10 9 5 70 13 5 70 13 1 70 2 1 70 3	0.30 6.14 3.34 6.18 6.14 3.34 6.12 6.14 6.15 7.14 7.14 7.14 7.14 7.14 7.14 7.14 7.14	13.7 23.3 19.8 46.9 45.4 7.1 5.9 63.2 234.5 438.7 MILES 13.7 23.3 19.8	11 9 1 11 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			\$7		.US NO	0 <del>4-</del> 5 TO	1 mm	01STR-7.5	14 14 180111 -5	1 1 19	1 2 3 7. / SP	, ,	•12.5	•15 •	17.9 +2	• •25	•32 •15
1 TO 2 2 TO 5 5 TO 10 10 TO 10 15 TO 20 25 TO 25 25 TO 35 ABOVE 10 11500 FT 08LOW 1 1 TO 10 2 TO 5 5 TO 10	0.30 6.14 7.30 6.18 6.14 6.12 6.14 6.15 7.14 7.14 7.14 7.14 7.14 7.14 7.14 7.14	13.7 23.3 10.0 45.4 95.4 95.2 234.5 438.7 AUTICAL MILES 13.7 23.3 19.0 46.0 45.0 45.0	11 11 11 11 11 11 11 11 11 11 11 11 11			\$7		.US NO	0 <del>4-</del> 5 TO	1 mm	DISTR-7.5	14 14 180711 -5 5	3 1 3 1 19	1 2 3 7. / SP	, ,	•12.5	•15 •	17.9 •2	) •P5	•13 •14
1 TO 2 2 TO 3 9 TO 13 10 TO 23 25 TO 23 25 TO 35 ABOVE 1 11000 FT 0 11000 FT 0 11000 FT 0 2 TO 5 3 TO 13 10 TO 13 10 TO 13 10 TO 13 10 TO 13 10 TO 13 10 TO 13	0.30 6.14 7.30 6.14 5.34 6.14 7.72 6.14 6.15 6.14 6.14 6.14 6.15 6.14 6.15 6.16 6.15	13.7 23.3 19.8 06.9 05.9 07.2 230.5 030.7 030.7 23.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19	11			\$7		.US NO	0 <del>4-</del> 5 TO	1 mm	DISTR-7.5	14 14 180711 -9 5	3 1 5 3 1 1 15 0 1 1 1 5 3 1 1	1 2 3 7-5 1 2	, ,	•12.5	•15 •	17.5 +2	) •P5	•32 •35
1 TO 2 2 TO 3 9 TO 10 10 TO 20 25 TO 25 25 TO 25 25 TO 35 NOTAL ALTITUDE 11000 FT 08L0m 1 1 TO 20 2 TO 20 20 TO	0.30 6.14 7.30 6.14 7.32 6.14 7.35 7.47 7.18 7.18 7.18 7.14 7.14 7.14 7.14 7.14 7.14 7.14 7.14	13.7 23.3 19.8 44.9 45.4 45.4 45.2 234.5 40.7 438.7 234.5 11.7 23.3 14.9 44.9 45.4 46.9 45.4 14.7 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.1 24.2 14.2 1	11			\$7		.US NO	0 <del>4-</del> 5 TO	I UDE	015TR	19 19 19 19 19 19 19 19 19 19 19 19 19 1	3 1 6 3 1 19 19 004 (F o 3 3 1 1 9	1 2 3 7-/SP 1 2	) (.) (.) (.) (.)	•12.5	•15 •	17.5 +2	) •P5	•33 •19
1 TO 2 2 TO 5 5 TO 10 15 TO 20 25 TO 25 25 TO 25 25 TO 35 ABOVE 11500 FT 06L0m 1 11500 FT 06L0m 2 1 TO 15 19 TO 25 2 TO 5 3 TO 15 19 TO 25 20 TO 25	0.39 6.14 6.14 6.14 6.14 6.14 6.14 6.14 7.18 7.18 6.14 6.14 6.14 6.14 6.15 6.15 6.15 6.39	13.7 23.3 19.8 64.9 95.6 91.1 5.9 67.2 234.5 438.7 438.7 23.5 13.7 23.5 14.0 44.9 45.9 45.9 45.9 45.9 45.9 45.9 45.9	TOTAL PEAKS 11 13 20 14 70TAL PEAKS 11 13 10 11 11 11 12 12 12			\$7		.US NO	0 <del>4-</del> 5 TO	1 mm	DISTR-7.5	14 14 180711 -9 5	3 1 5 3 1 1 15 0 1 1 1 5 3 1 1	1 2 3 7-5 1 2	, ,	•12.9	*15 *	17.5 +2	•25	•33 •19

# TABLE Date DISTRIBUTIONS OF DERIVED VENTICAL OUST VENDCITY FOR THE ROUTE DETUTEN CLARK AB, PHILIPPINES AND VENTICA AB, JAPAN FOR THE MONTH OF DECEMBER

					1104-57	-	lous									
ALT: TUBE (1000 PT) 021.00 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 19 TO 20 20 TO 25 27 TO 30 30 TO 25 400 TO 25 70 TO 40	TIME (HOURS! 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	MAUTICAL RILES 0. 0. 0. 10. 10. 10. 11. 11. 1	PEARS	-35 -30 -2	5 -20 -17.	9 -19 -12.	uec 5 -10	-7, \$	-9	19 (F	7./Sec. 7.5 •10	+12.5	•15 •67.	.5 +20	•25	•33 •35
					STOR	A COMBITION	75									
ALTITUDE (1800 FT) 88LSW 1 1 TO 2 2 TO 3 3 TO 13 10 TO 15 13 TO 20 20 TO 25 29 TO 20 30 TO 25 40 TO 25 40 TO 25		MAUTICAL MILES 0. 20.3 10.3 22.3 0. 0. 0. 0.	TOTAL PEARS		9 -20 -17.	9 -19 -12.!	-10	-7.9 2 1	2	+5 +	ı	+12.5	•15 •17.	.5 •20	•25	•33 •35
					STORM (	PLUS 1000-51	TORM .									
ALTITUDE (11000 PT) 00LGm 1 1 T0 2 2 T0 10 10 T0 15 15 T0 20 20 T0 25 25 T0 10 10 T0 15		MAUTICAL MILAS 5. 5.0 20.3 10.3 72.3 6.4 93.0 91.4	TOTAL PEARS	-39 -30 -2	5 -26 -17.1	5 -15 -12.S	-10	915TR -7.9 2	-9	•5 •	7./#C.1 7.9 +16 1	*12.5	•15 •17.	3 •29	•25	•33 •35

		•					
			NON-STORM CO	NOTT LONS			
1100 FT) (HOURS) ( 06.00 1 C. 1 TO 2 C. 2 TO 5 C. 5 TO 10 0	WTICAL TOT MILES PEA D. U. D.		-2C -17.5 -15 ·		1847104   1FT_/SEC.1   -5	*12.5 *15 *17.5 *29	•25 •30 •35
20 TO 25 6.46 25 TO 33 14.27 30 TO 35 24.79 10 480YE 35 16.96	2529.9 6362.5 6692.4 7735.6	23 28 42 26 37 39		1 1 1	7 13 1 8 18 1 14 20 2 11 12 2 14 19 5 54 82 11		
			STORM COND	IT LOWS			
(1000 PF) (MOURS) (1000 PF) (MOURS) (1000 PF)	180.7 2 702.0 3 1819.2 1 933.7 1 5.6 1.3 25.2	25 -35 -30 -25 35 26 97 97 98 98 99 99 90 90 90 90 90 90 90 90	-20 -17.5 -15 - 1	UDE DISTR -12.5 -10 -7.5 5 11 24 7 11 24 9 13 54 2 4 15 1 4 4	18   17   18   18   18   18   18   18	*12.5 *15 *17.5 *20 5	*25 *53 *55
			STORM PLUS NO	DH-510AM			
1184. FF1 (MOURS) 8FLOW L G-98 1 TO 2 1-18 2 TO 5 3-57 5 TO 13 3-94 13 TO 25 3-82 15 TO 25 3-82 26 TO 25 3-82 25 TO 35 4-34 39 TO 35 26-14 480VE 35 16-96	184.7 2: 797.8 3: 1019.2 1: 933.7 1: 1364.1 2: 2539.1 6005.6 1401.3	45 -25 -27 -25 35 92 92 93 93 93 94 91 91 91	-20 -17.5 -15 - 1	-12.5 -10 -7.5 5 11 26 7 11 26 5 13 54 2 4 1 1 4 4 2 1 1 1 4 2 2 3	18ution (FT./SEC.) -9 *5 *7.5 *10 12 *20 *11 *12 *6 *62 *57 *13 *162 *120 *62 *27 *1 *10 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *1 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10 *10	012.5 015 017.5 020 5 2 5 1 1 4 1 1 1 8 1 1 2 1	•25 •32 •35

								ER 5	EASON												
						M	04-570		111000	DNS											
ALTITUDE (1800 PT) 8ELOW 1 1 TO 2 2 TO 5 9 TO 12 13 TO 15	TIME INDURS	MAUTICAL MILES 0. 0. 0. 3. J.	TOTAL PEAKS 0 1 0 0	-35	-30 -25	-10	-17.5	-15	-12.9		-7.5					•12.9	•19	•17.	5 •20	•25	•12 •35
20 10 25	3.10	1279.9	1									1	i								
25 10 39	5.00	3941.5	· ·								1	1	2								
ABOVE 35	3.02	1641.7	0								•	,	•								
TOTAL	21.00	9454.0	13								1	7	•								
										_											
							STORA	CON	DITION	•											
ALTITUDE (100c PT) OFLOW I 1 TO 2 2 TO 5 5 TO 19 10 TO 19 15 TO 20 20 TO 25 25 TO 30 30 TO 35 ASOVE 55 TOTAL	7 [ME (MOURS) 1.28 5.33 3.01 1.30 1.30 1.30 1.30 1.30 1.30 1	VAUTICAL MILES 31.8 51.8 101.5 292.8 379.5 0. 0. 0. 0.	TOTAL PEARS TT 85 130 20 32 52 53 53 60 90 944	-31	-37 -25	-ac	i	-15	-12.5		-7-9 -7-9 -7-10 1	9 14 36 11 18	164 +5 10 21 43 0 11		10 10 10 3 7	+12.5 2 2 2	*15	1	1 +29	•25	•13 •35
						3	I DIEN P	ros .	104-ST												
ALTITUDE (1900 PT) 02LOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 25 25 TO 25 26 TO 25 26 TO 25 27 TO 25		VAUTICAL MILES 31.9 101.5 202.8 390.7 1270.0 2100.2 3041.5 1061.7 1084.3	707AL P8445 77 05 133 26 32 2 2 1	-35	-36 -29	-20	-17.9	-15	-12.5	-10 6 7 7		11 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10M (	PT./1 •7.9 20 22 10	HC.) -10 -10 -10 -7 -1	•12.5	*15	*17.1	• • • • •	•25	•10 •15
						•	_		•			•		••	••	•	•	•			

# TABLE 2004 DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETUDIN CLARK AD, PHILIPPINES AND SAISON, TAN SON HOUT A/D, VIETNAM FOR THE SPRING SEASON

ALTITUDE	TIME	MAUTICAL	TOTAL									UBA	0151	10 I OU	1100	487./	MC.1							
	I HOURS !		PEASS	- 94	- 22	-14	-20	-19				-10	-			47.4	- 110	A19.8	416	417		498	+30 +35	
(1000 PT)			*****	-,,	- 50	-27	-20	-11	,, -,	, -,	,	-14	- ,	-,	*,	****	*		***	****	, ,,,,	.6.3	***	
seron 1		٥.																						
1 10 2	6.																							
2 10 5	٤.		٥																					
5 10 1:																								
10 TO 15	0.	3.	ă																					
15 10 25	1.35	513.4	1																					
															- :									
23 10 25	1.51	550.4	- 5												1									
25 10 33	2.00	1563.9	•											•										
30 10 35	3.02	1 643 . 8	3											•										
ABOVE 35	10.56	4061.7	18										1	7	•	2								
TOTAL	2 24	8911.1	31										2	1)	14	2								
								* ***		HOIT	-													
								3.0	in Ath			•												
ALTITUDE		MANTICAL	TOTAL									ODE		H 100	104	161./1	et.i							
(1000 FT)	[HOURS]	WIFER	PEARS	-33	- 30	-29	- 50	-11.	!	> -1/	,	-14	-7.9	-5	• •	+7.5	.10	.15.2	.,,	+11.		.52	+38 +35	
RELOW 1	13	10.2	12										1	•	3	,		1						
1 10 2	6.33	\$9.3	66					1			1	2	•	12	50	17	5	2						
2 10 5	1.27	242.1	195								3	3	20	53	48	3 17 29	10	ž			l.			
\$ 10 1C	1.40	416.0	1 99							L	2	4	13	37	71				1	L				
13 10 15		217.2	24							•	_	,			14	,	i	_	-	-				
15 10 22	0.	0.	•							•		•		•	• •	•	•							
			- 2																					
50 10 50	0.	••																						
25 10 30	6.	3.																						
30 10 35	ι.	3.																						
ABOVE 35	C.	J.																						
TOTAL	4.17	944.5	452					1		2	•	11	44	110	174	40	24	11	1	1	1			
																			_	-	•			
							27	008	PLUS	NON-	-475	10.00												
							•				• • •													
ALTITURE	1146	NAUT ICAL	TOTAL										9157		100	PT./S								
(1000 PT)	INOVAS)	MILES	PEARS	- 2.0		-25	- 20									÷7.5		+12.5						
	100000			-,,	-,,	-23	-20		, -,	, -10	,	-10	-7.,	-,	**	****	410	.15.3	413	*****	***	*23	***	
BEFOR T	0.13	10.8	12					_			_	_					_	1						
1 10 2		93.3	66								1	Z	•	13	20	17	5	•						
2 10 5	1.27	242.1	195								3	3	20	93	48	29	10				1			
5 TO 10	1.00	416.0	195							ı	2	•	13	37	71	•			1	1				
16 10 15	6.66	217.2	24							ı	-	2	-	4	14	2	1	-	-	•				
15 10 20	1.39	913.4	- 3							-		-	20	,		-	-							
20 10 25	1.51	550.4	í												-									
25 10 30		1293.6	•												•									
27 10 30	2.99													•										
36 10 39	3.62	1443.4												3	_	_								
ABOVE 39	10.56	4061.7	10													2								
TOTAL	24.31	9855.6	403					1		•	•	11	30	153	140	62	24	11	1	1	1			

# TABLE DOGS DISTRIBUTIONS OF DERIVED VERTICAL SUST VELOCITY FOR THE ROUTE DETWERN CLARK AB, PHILIPPINES AND SAISON, TAN SON HULT AFB, VIETNAM FOR THE SUMMER SEASON

								2011	MEN :	264204												
							100	M-57	DAN (	110MD	i ONS											
ALTITUDE (1000 PT) 00LGu 1 1 TO 2 2 TO 5	(HOURE)	3. 3.	TOTAL PERES U	-35	-30	-25	-20	-17.	5 -11	9 -12.	y 9 -10	4 DIS	78 I BI	TION	157.5	\$EC.1	+12.5	+15	+17.5	•29	+25	*38 *35
5 TO 10 10 TO 15 15 TO 20 20 TO 25 20 TO 25 20 TO 25 400VE 25 TOTAL	0.00 0.00 0.00 0.07 3.90 2.77 7.81	0. 3. 124.0 246.7 197.1 1976.1 1232.3	11										1		1				-			
10114	7.01	3370.9	44									2		2.	, ,							
								STOR	1 600	101710	48											
ALTITUDE (1000 FT)	TIME IMBURSI 8.36		TOTAL PEARS	-35	-30	-25	-20	-17.	-11	-12.	-16	-7.9	TR104	710H	(FT./	•10	-12.5	-15	•17.5	•20	+25	+33 +35
1 TO 2 2 TO 5 5 TO 10	0.45 0.49	8.4 10.9 07.1	1									•				1	1					
19 10 19 15 10 2° 29 10 25 29 10 36	3.44	143.1	42							1	1	,				•	2	1				
36 10 35 4804E 35 101AL	1.45	335.0	73					2		1	2		19	21	. 19	5	,	1				
							51	084	2UJ	NON-51	1001											
ALTITUDE	IHOMAS I		TOTAL PEAKS	-35	-1:	-25				-12.	UD	E 015	TRE BY	T104	(FT./1	*18	•12.5	+19	17.5	-20	•25	• 32 • 35
1 TU 2 .		8.4 18.9 87.1 94.0	16										1			1	1					
19 TO 15 19 TO 2: 20 TO 25	3.44 3.37	143.1 124.8 244.7	11					2		1	2	3		11	ı	•	2	ı				
25 TO 33 33 TO 35 ABOVE 35 TOTAL	5.47 3.54 2.77 9.25	197.1 1974.1 1292.3 1792.5	21 117			1				e i	٠,	10	29		1		,					

# TABLE DOGS DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN CLARK AS, PHILIPPINES AND SAIGON, TAM SOM HMUT A/D, VIETNAM FOR THE AUTUMN SEASON

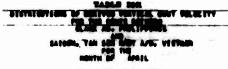
## ----

ALTITUDE	1100	VAUTICAL	TOTAL								UDI	015	TRIĐU	7 10N	181./	SPC. )						
(1000 FT)			PEAKS	-35 -30	-25	-20	-17.	5 -1	5 -	12.5	-10	-7.5	-5	• 5	+7.5	+10	+12.5	+15	+17.	5 +20	+23	***
SELOW L	3.	0.	0								-					•••						
1 10 2		j.	v																			
2 10 5	c.	v.	0																			
9 TO 15	u.	0.	0																			
5 TO 15		0.																				
15 TO 2.		345.2	7										4 9 2	2								
15 TO 2, 20 TO 25 25 TO 32 3C TO 35	1.15	442.9	10							ı		1	4	12	1							
25 10 32	5.74	2371.6	32							l l	1	3	9	16	2							
C TO 35	8.39	3691.2	13										2	13	1							
ABOVE 35		3.	0																			
TOTAL	16.47	4050.9	70							1	1	•	20	40	•							
							STOR	m CD	NDE 1	104	5											
LTITUDE	TIME	MAUTICAL	TOTAL								UDE	DIS	TAIOU	TION	FT./5	ÆC.						
10% PT1	EHOURS !		PEAKS	-35 -30	-25	- 20	-17.	5 -1	5 -1	12.5	-10	-7.5	-5	5	+7.5	+10	+12.5	+15	+17.	5 -20	+25	+33 +
BELOW 1	0.17	26.2	45							3	3	15	3			2	1					
1 10 2	6.40	64.5	73								2	11	19	20	15	5						
2 70 5		105.1	51							1	3	ii	19 12 3	14	•	•	1	1	1			
5 TU 13 0 TO 15 5 TO 20	0.76	213.4	11									ı	3	9	2							
0 10 13	3.72	233.9	4										2	1		1						
5 TO 20	2.62	5.0	Ü																			
e 10 25	A 5	5.3	,																			
5 TO 30 0 TO 35	U.34	25.2	1											1								
O TO 35	1.35	500.7	45								2	2	16	30	5	2						
TOTAL	4.45	1347.2	250								12	35	55	87	39	13	•	1	1			
1011	****		2,70							•	••	,,,	,,	•	37	.,	,	٠	•			
							ORM I															
LTITUDE	TIME	MAUTICAL	TOTAL	-35 -3;							UDE	0151	ra 1901	104	FT./S	£C.1						
1006 FT 1	(HOURS)	MILES	PEAKS	-35 -35	-Z5	- 50	17.	-1	<b>&gt;</b> -1	4.	-13	-7.5	-5 3 19 12		.7.5	+10	+12.5	+15	.17.	+20	+25	+37 +1
BELOW 1	5.17	26.2	45							3		15	• • •				1					
1 10 2	4.43	66.5	73								2	ii	1.9	20	15	,	1					
2 TO 5	0.93	162.1	51							1	3	•	12	14		3	1	1	1			
9 10 10	v.78	213.4	11									1	• •		5							
2 TO 5 5 TO 10 6 TO 15 5 TO 25	0.72	351.0	;										3	i		1						
3 IU E	1.21	448.1											5	2								
A 10 00	5.00	2394.0	10									1	•	12	ı							
0 10 25			76							1	l 2	2	10	44	2							
5 10 32													14	7.0		2						
10 10 25 15 10 35 16 10 35	9.93	4279.9																				
10 10 25		3.	320							5	13	39	75	127	43	13	-3		1			

# TABLE DOCCO DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN CLARK AB, PHILIPPINES AND SAIGON, TAN SON MUT A/P, VICTNAM FOR THE MONTH OF JANUARY

						NON-S	PORM	CONDITI	DNS											
ALTITUDE (10% FT) 0 ELOW 1 1 TO 2 2 TO 5 3 TO 15 10 TO 19 15 TO 25 20 TO 35 20 TO 35 46076 35 TOTAL	TIME (HOURS) (G. C.	MAUFICAL MILES U. J. J. 20.4 200.6 739.8 1427.5 830.7 3423.3	TOTAL PEAKS 3 2 0 0 0 0	-35 -36	-29	-20 -17	.9 -1	15 -12.5	UDI -10	: DIST -7.5	A FBUT	110N (	PT./S	18C.1	+12.5	•15	•17.5	•23	•25	•33 •35
						5.70		MO1110M												
ALTITUDE 41000 PT b 8400 1 1 TO 2 5 FO 10 10 TO 15 15 FO 20 20 TO 20 25 TO 30 30 TU 30 4004 35 TOTAL	TIME (MOURT) 1.17 W.16 G.26 C.29 J.27 J.	WAUTICAL MILES 9.5 24.5 59.0 83.4 92.1 0.1 0.2 0.2 0.2 0.3	TOTAL PEAKS 9 37 47 5 3 0	-35 -30	-25	-20 -17			UNE	DIST -7.5 1 4 4 1	R   BUT -5   1   9   12   2   2   2		PT./5 +7.5 1 5 0		*12.5	+15	-17.5	• 23	•25	•10 •15
						1700m	<b>84</b> 115	NON-ST												
ALTITUDE (1007 PT) RELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 13 TO 25 23 TO 25 25 TO 00 30 TO 35 AROYE 35 TOTAL	Time (HOURS) C.JT16 G.26 D.29 C.27 L.34 G.74 1.73 3.24 1.84 0.96	MAUTICAL MILES 9.5 24.5 54.9 03.4 92.1 120.4 290.6 735.0 1427.5 836.7 340.7	TOTAL PEARS 9 37 47 5 3 0 0 0 0 0	-16 -16	-25	-20 -17.			UDE	D(ST) -7.5	-5 1 4 12 2 2		FT./5 +7.5 1 3 8		*12.5 1 1	1	•17.5	•23	•25	*33 *33

							10N-ST	DRM (	11000	ONS												
ALTITUDE (1900 pt) 96L0m. 1 TO 2 2 TO 5 5 TO 10 10 TO 13 15 TO 25 20 TO 25 25 TO 35 30 TO 35 460VE 35 TOTAL	7 (PE N. (HOURS)	AUTICAL MILES J. J. J. J. J. J. J. J. J. J. J. J. J.	PEARS	-35	-30 -25	-30	-17.5	5 -1!	-12.9	U0 3 -10	€ 015 -7.9	78 I SU - 5	T 10H	1FT./ •7.5	\$EC.)	•12.	3 •11	•17.	cs• 1	•21	· •31	• • • • • • • • • • • • • • • • • • • •
							STORM	CON	01710	ıs												
ALTITUDE (1000 FT) BELOW 1 1 TO 2 2 TO 5 5 TO 1C 13 TO 15 15 TO 25 20 TO 25 25 TO 35 30 TO 35 AROVE 35 TOTAL	TIME NU (HOURS) 0-32 0-10 0-10 0-37 0-37 0-30 0-30 0-30 0-30	AUTICAL MILES 3.0 3.7 19.1 17.7 21.4 3. 3. 4.9	TOTAL PEAKS 17 14 24 0 0 0 0 0 0 0 0	-35 -	-30 -25	-20	-17.9	-19	-12.5	UD( 1 - 10 1 1 2	F 0151 -7.9 1 2 2	'AIOU1 -5 2 3 7	710N ( +5 6 2 7	FT./: •7.5 5 5 •	10 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+12.5	*15	+17.5	+20	•25		*35
						\$	-	LUS	NON-51	OR M												
ALTI PUDE (1002 FT) BELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 19 TO 20 20 TO 25 25 TO 30 30 TO 35 480VE 35	TIME '44 (MOURS) 3.02 02 6.15 0.07 0.07 0.08 0.15 1.80		TOTAL PEAKS 17 14 24 D J U	-35 -	3C -25	-20	-17.5	-19	-12.9	-10 -10 1	0157 -7.9 1 2	# 10UY -9 2 3 7	10N (	PT./5 +7.5 5 5 4	1 +10 2 1	•12.5 ,	•15	+17.5	•20	•25	+10	•35
TOTAL	2:31	****	35							4	5	12	15	14	•	1						
ALTITUDE (1000 FT) BELOW 1 1 TO 2 2 TO 3 5 TO 13 10 TO 15 15 TO 22 25 TO 22 25 TO 23 26 TO 23 26 TO 23 26 TO 23 27 TO 24 28 TO 24	0. 0. 0. 0.80 0.92 0.40 0.19 2.40	UTICAL MILES 0. U. 313.4 95.4 95.0 1111.9	TOTAL PCARS 00 00 00 10 00 10 00 10		SAI SAI 30 -25	FOI CI GON,	DERIVE THE CARK ACTION THE CONTH	ROUTI B, PI AND ON NI UR TI	INTICAL BETW HILIPP MIT A/ MARCH	een INES INES INES	E THAM	n I BUT	ION (1) + 5 · 1	PT./S 7.5	FC.1 +10	•13.5	+15	•17. <b>5</b>	•29	+25	+13	• 35
	water 12						STORM	CONO	IT IONS													
ALTITUDE (1900 FT) 8ELOW 1 1 TG 4 2 TG 9 5 TO 12 10 TO 19 15 TG 20 20 TD 25 25 TG 30 30 TG 35 30 TG 35 4 TG 35 4 TG 35 4 TG 35	TIME NA HOURS) 0.13 6.15 6.47 0.40 0.10 0.			-35 -1	0 -25	-20	1	-15	-12.5 2 2	-10	DIST(-7.5	-5 3 7 32 15	104 (1 +5 ( 3 10 42 22 1	7.5 7.5 2 8 19 2	2 3 2	1 1	1	•17.5	+20 1	+25	•33	•35
						51	-	.US N	DM-5 TC	н												
ALTITUDE (1905 FT) 04LOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 25 20 TO 25 20 TO 25 25 TO 25 20 TO 25	6.J3 6.10 6.47 8.60 8.10 8.52 6.20 8.10 2.40		TOTAL PEAKS 33 114 49 1 1 0 0 0 0	-35 -3	0 -25	-20	-17.5 1	-15	-12.5 2	une -10 - 1 2 2	DISTR -7.5	18071 -4 3 7 32 15	DN (F +5 + 3 10 +2 22 1 1	7./SI 7.5 2 4 16 2	2 3 3 2	1 1	1	17.5	1	• 25	•33	•35



					HENTH B	- years								
					NON-5700	-	1016							
ALTITUDE (1000 PT) 96LGw 1 1 T0 2 2 T0 5 9 T0 10 10 T0 20 10 T0 20 25 T0 20 25 T0 20 20 T0 25 400YE 25 TOTAL	73M2 40M2GS1 0. 0. 0. 0. 0.31 0.73 2.90 3.36 3.32 10.12	MMTTCAL MILES 0. 0. 0. 11.0 270.0 1001.3 1000.7 1542.2	PRAKS	-95 -30 -29	-29 -17.5	-18 -12.1	-10 -	01871104 7.8 -9	1	PT./48C.  •7.5 •66	+12.5	•17 •17 <b>-2 •20</b>	•29	•16 •16
						Canol 1 Ion								
ALTITUDE	TIME	HAUT ICAL	TOTAL		STORM	CONDITION			****	PT./38C.1				
(1000 PT) 0PLOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 23 25 TO 30 30 TO 35 ABOVE 35 TOTAL			PEARS 4 23 67 104 15 0 8 0	-35 -30 -25	-20 -17.5	-19 -12.9	-10 -	7.9 -9 1 1 2 4 13 17 9 22	**	7.3 •10	*12.5	•15 •17.5 •20 1	•25	•33 •35
					17083-18									
ALTITUDE		MAUTICAL	TOTAL		STORM PL	US NON-51				PT./SEC.1				
11000 PT) BBLOW 1 1 TO 2 2 TO 5 9 TO 15 10 TO 15 10 TO 20 20 TO 25 25 TO 20 30 TO 25 ABOVE 25	(HOURS) 0.38 6.13 0.93 0.64 0.33 0.31 0.73 2.50 3.26	#11.2 20.6 104.3 193.5 104.3 111.0 245.6 100.9 143.7	PEAKS 4 23 60 104 15 0	-35 -30 -25	-20 -17.5	1 2 1 2 1 2		7.9 -9 1 1 2 4 13 17 9 22	**	7.5	*12.5	•15 •17.5 •20 l	•25	•38 •35
TOTAL	3.32	1611.1	21.5				•	25 94	••	23 19	•	1		
ALTITUDE (1000 FT) 90.00 1 1 TO 2 2 TO 9 5 TO 10 10 TO 15		NAUTICAL BILES B. B. B.	FOTAL PEAKS		S OF GERIVE POR THE RE CLARK AB 40N, TAM SOI POI MONTH OF	DUTE BETH PHILIPP AND H MAJT A/ R THE P MAY	PERN PINES PD. VEE	TRAM	71 <b>0</b> H (	FT./SEC.1	•12.5	•15 •17.5 •2 <b>0</b>	•25	•38 •35
15 TO 20 20 TG 25 25 TO 30 30 TO 35	0.24 6.26 6.29	89.2 102.9 124.6 139.2	2					1 1	ŧ					

						PALS		DATH.	-															
							NO	W-570	RR I	10103	TION	15												
4.717486	1196	MAUTICAL	TOTAL									UDE 01	s TO	I AUT	104 1	61./	uc.1							
(1000 FT)		MILES	PEARS	-15	-30 -	25	- 20	-17.9	-1	-12	. 5 -	10 -7.	•	-5	•5	.7.5	•10	+12.	+15	.17.5	+20	+25	•30	+35
seren 1	••																							
1 10 2	8:	0.																						
5 70 10	6.		- 1																					
10 10 15	0.		0																					
15 TO 20 26 TG 25	0.24	89.2	į												2									
25 10 20	0.29	102.9	1										ı	1										
SO TO 35	0.34	199.2	š										-	1										
ABOVE 35	4.84	2207.4	10										L	1 3 7 11	11									
TOTAL	4.00	2443.4	56									i			11	2								
•							:	TORA	CO	1710	045													
ALTITUDE	7100	MANTICAL	TOTAL									UDE 91			101 1	PT./1	WC.1							
(1000 PT)	INDUS		PEAKS	-35	-10 -	25	-20	-17.5	-11	-12		10 -7.	,	-3	+5	.7.5	+10	+12.1	-15	.17.1	+20	+25	+30	+ 25
OFLOW 1	0.32	2.2			95 5										1.5									
1 79 2	0.10	15.5	10											1		3	ŀ							
2 TO 5	0.24	94.3	12										•	•	i	•	•							
10 70 15	0.23	70.4	i												ě	2								
15 TO 20	0.		•																					
29 10 29	1:	:																						
30 70 35	1:																							
ABOVE 35														_		_	_							
TOTAL	8.78	239.2	32										•	•	10	7	2							
							870	<b>MA P</b>	1.05	14800-	11 <b>m</b>													
ALTITUME	1198	MAUTICAL	-								- 1	-	ITE	10UT		77./1	mc.)							
(1000 PT)	( WOURS	AILES	PEARS	-35	-10 -1		-10 -	-17.5	-11	-12		10 -7.		-6		7.5	+10	.75.4	+15		+80	+55	-90	- 36
BOLDH 1	80.0	2.2														_								-
1 10 3	9.10	15.5	10										1	-1		3	1							
1 16 16	1.34	W.1	•	•										•	i	_	•							
10 70 15	0.23	70.4	ě												•									
11 11 22	0.24	89.2																						
	0.26	124.4	1									1		1	•									
# # #	0.34	190.2	j											i				_			-	_		
4000	4.04	2207.4	10							-			[	.I	-,		_	_						
1974	42.50	1921.5	50						-				٠.		_1									

### DISTRIBUTIONS OF ARTIVE VETTER OUST VELSCITY FOR THE ROUTS SETURES CLARE AD, PHILIPPINES

### SAIGON, TAN SON MUST APD, VIETNAM FOR THE HONTH OF MAY

				NON-STORM CON	1110										
BELOW 1 1 10 2 2 70 5	TIME NAUTICAL HOURS) HILES G. J. U. J.	PEARS	-35 -30 -25	-20 -17.5 -15 -1	UD6 12.5 -10	-7.5	-5	10N (	PT./SI •7.5	•10 •	12.5	•15 •17	.5 +20	•25	•35 •35
\$ 10 17 10 70 15 15 70 25	0. 0. 3. 0. 15 54.0	9													
20 TO 25 25 TO 30	6.27 107.6 6.21 96.8	1						ı							
30 TO 35	1.09 843.4 1.47 665.8 4.30 1755.0	2					1		1						
TOTAL	1100 117714	,					1	1	1						
	TIME NAUTICAL	TOTAL		STORM COMOTT											
ALTITUBE ILOSE FT BELOW 1	C-29 6.9	PEARS	-35 -30 -25	-26 -17.5 -15 -1	2.5 -16	-7.5	-3				12.5	•15 •17	.5 +20	+25	•33 •35
1 10 2	0.04 9.1 U.23 44.4	•				2	1	2	1						
5 TO 15 10 TO 15 15 TO 22	9.16 53.3 9.16 54.0	12					2	•	2						
25 10 33	i: ;:	ĕ													
ABOVE 35	0. C. U. J. 71 169.0	19				,	7	•	,						
AL TITUDE	TIME MAUTICAL	TOTAL		STORM PLUS NON	UDE	0187	RIBUT	104 (/	T./\$e	C.1					
1100C PT: 00LOW 1 1 TO 2	6 6.5	PEARS	-35 -30 -25	-26 -17.5 -15 -1	2.5 -10	-7.5	-5	• • •	7.5	•10 •1	2.5	•19 •17.	. 1 - 20	+25	•38 •35
1 70 2 2 70 3 3 70 12	0.23 46.4 6.42 53.0	2				2	1	2	1						
15 TO 25 20 TO 25	0.16 34.3 0.15 \$4.0	0					4	•	2						
25 TO 33 30 TO 35	1.09 042.4	i i					1	L	1						
ABOVE 35	4.71 1924.8	52				3		7	4						
			11	TABLE D	OL .										
			DISTRIBUTIONS	POR THE ROUTE BE CLARE 48, PHIL	ICAL BUS'	T VEL	OC 1 T Y								
			SAIGO	M, TAN SON WAIT		-									
				POR THE MONTH OF AUG	UST										
	****	****		NON-STORP COND				1-							
ALTITUDE 130-, FTI 8FLOW 1	HOURS HILES	PEARS	-35 -30 -25 -	20 -17.5 -15 -1			-5				2.5 •	15 •17.	5 -20	+25	•37 •39
1 TO 2 2 TO 3 5 TO 13	. 3. 	6													
10 FO 15	0. 0.	11				2	2	٠	1						
20 TO 25 29 TO 30 30 TO 35	J.38 141.1 U.26 129.0 1.65 739.6	3					1	3							
ABOVE 35	1.30 \$67.3 3.41 1623.9	21				2	7	11	3						
				STORM CONDIT	1005										
ALTITUDE	TIME VAUTICAL	TOTAL			UDE	DIST	17001	ON IF	1./SEC	:1					
BELDW 1	i 1.9	PEARS G	-33 -36 -25 -	26 -17.5 -15 -13	2.7 -10 -	.,,,	-9	1	,	10 •1	2,7 •	15 •17.		*25	• • • • • • • • • • • • • • • • • • • •
2 TO 5 5 TO 13 10 TO 15	J.21 43.8 1.17 43.1 3.20 89.1	16 7 32		2		2	1	•		1	1				
15 10 25	3.20 an.1	3		•		,	•	•	•	•	•	•			
25 TO 3. 30 TO 35 400VE 35	:: 3:	0													
TOTAL	2.73 104.6	94		2	1 5	•	•	15	12	5	3	1			
				STORP PLUS NON-	\$ *OR#										
ALTITUDE	INDUASI FILES	TOTAL PEARS	-35 -30 -25 -	20 -17.5 -15 -11			-5				2.5 •	15 +17.5	• 29	-25 -	13 +35
1 70 2 2 70 5	0.21 43.8	10				2	1	1	3	1					
3 TO 13	0.20 09.1	35		2 .	1 2	3	1	Ť	•	•	2	1			
20 TO 25	6.30 141.1 0.20 109.0	13				2	1	2 2	1						
39 10 35 ABOVE 35 JATET	1.05 739.0 1.30 567.3 4.54 1000.5	21		. 2		7	7	11	10	,	,	1			
				-		•				-	-	•			

# TABLE DOM: DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE DETWEN CLARK AD, PHILIPPINES AND SAIGON, TAM SON MENT A/D. VIETHAM FOR THE MONTH OF OCTOBER

### NON-STORM CONDITIONS

ALTITUDE	TIME	MAUTICAL	TOTAL									ut		11210	TUBLE	10N 6	FT./1	1.39								
(1000 FT)	(HOURS		PEARS	-16	-30 -	. 24	-20	-17		-19	-12.								412.5	. 1		7.5	+29	+25	+33 +35	
BELOW 1	****		2	• • • •		••	•••	• • •		••					-			• •		-						
1 10 2	-		*																							
		٠.	- 1																							
2 10 5	٥.	0.	0																							
5 TO 13	6.	٥.	0																							
16 TO 15	J.	0.	U												_									•		
12 10 55	2.63	219.0	•												•	1										
20 TO 25	U.77	293.8	1.0											1	•	•	ı									
25 TO 30	2.22	920.1	2												2											
30 10 35		3007.8	13												2	10	1									
ABOVE 35	6.	3.	0												_	-										
TOTAL	10.43	4449.4	36											1	13	20	2									
,,,,,,		******	,,											-			-									
								STOR		CONC	01110	MS														
ALTITUGE	TIME	MAUTICAL	TOTAL									140			IOUT		FT./S	66.1								
110% FT1	HOURS		PEAKS	-34	-30 -	. 2 6	36	-17.		- 1 4	-11				-5		.7.5	410	417.6	419	1	7. 6	.20	-24	+33 +35	
		18.9		-,,	-,0 -		- 20			-17				13	-;	**	****	***	1	* • •	•				.,,	
BEFOR T	3.12		43								3							•	:							
1 TO 2	31	53.2	61									1		•	14	15	14	•								
\$ 10 >	2.55	111	4:									- 4		•			,	,		•	1					
5 TO 1:	U-50	133.0	4													•										
10 TO 15.	u = 44	149.2	4												5	1		1								
15 10 20	r.35	5.0	9																							
23 TO 25	72	5.3																								
25 10 33	6.32	7.6	1													ı										
30 10 35	1.35	568.7	65									2		5	14	30	•	2								
ABOVE 35	٥.	J.																								
TOTAL	3.35	1073.7	210								3	11		10	44	79	35	15	3	ı		1				
							\$	TORM	PLI	US 1	104-5	TORM														
ALTITUDE	TIME	VAUTICAL	TOTAL									ŲĐ	. 0	1 5 78	1091	OH (	FT./8	EC.)								
(1000 FT)	INQUAS		PEAKS	-11	-33 -	-24	-20	-17.		-15	-12.				-3		.7.5		+12.5	+15	•1	7.5	+ 29	+25	*38 *35	
BELOW 1	12	10.9	43	••			•••	• • •	-	•				15	3				1							
1 10 2	0.31	53.2	61								•	ź		•	16	15	14	- 1	•							
2 70 5	4.55	110.1	40									,		ĭ		ii	• 7	3	•			1				
		133.0										•		•	•	• • •	•	•		•		•				
	0.50		- •												•	•										
10 10 15	44	149.2	•												-	•		1								
13 10 23	6.65	552.2													,											
29 10 25	6.70	299.0	15											ı	•	7	1									
25 10 3.	2.25	937.7	3												. 2	. 1		_								
30 10 35	A. 15	3594.5	78									3		5	10	40	•	2								
ABOVE 35	0.	٦.	•																_	_						
TOTAL	13.70	\$523.2	2 54								3	11		31	39	99	34	12	3	ı		ı				

# TABLE DIGN DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN CLARK AB. PHILIPPINES AND SAIGON, TAN SON MULT A/B. VIETNAM FOR THE MONTH UP NOVEMBER

					NON-510		DNS										
ALTITUDE (1904 PT) BELOW 1 1 TO 2 2 TO 5 5 TO 1,		WANTICAL WILES 3. 0. 0. 3.	PEAKS 0 0	-35 -39 -25	-20 -17.9	-15 -12.5	-10	-7.5	-5	10M ( +5	FT./S •7.5	€C.1 +10	•12.5	•15	· L7.5 +20	•25	•37 •35
10 TO 15 15 TO 20 20 TO 25 23 TO 30 30 TO 35	6. 5.39 3.51 1.70	3. 125.5 149.1 1443.5 603.4	3 35 0			1	1	3	,	1 3 16	z						
TOTAL 6.04 2401.5 34 1 1 3 7 20 2 STORM COMOITIONS																	
STORM COMMITTIONS  ALTITUME TIME VALITICAL TOTAL UDG DISTRIBUTION (FT./SEC.)																	
ALTITUM TIME VALITICAL TOTAL UDE DISTRIBUTION (FT./SEC.)																	
ALTITUDE TIME VAUTICAL TOTAL UDE DISTRIBUTION (FT./SEC.) 41000 FT1 IMBURS1 MILES PEAKS -35 -33 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 +5 +7.5 +10 +12.5 +15 +17.5 +28 +25 +30 +35 -10 +12.5 +15 +17.5 +28 +25 +30 +35 -10 +12.5 +15 +17.5 +28 +25 +30 +35 -10 +17.5 +28 +25 +30 +35 -10 +12.5 +15 +17.5 +28 +25 +30 +35 -10 +12.5 +15 +17.5 +28 +25 +30 +35 -10 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +15 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +12.5 +																	
170		13.3	12								- 1	1					
8 10 \$	0.30	72.0	11			1	1	ž		i	ž	_					
\$ 10 1C		03.6	7					1	5		2						
10 10 15	3:24	84.7	6														
20 10 25	٥.	í.	3														
25 10 30	3 4	15.6	:														
30 TO 35	6.	3:	,														
TOTAL	1.10	275.5	35			1	1	5	•	•	7	_ 1					
						LUS NON-570											
ALTITUDE		MILES	PEARS	-35 -30 -25	- 44 - 12 0		VOE	0157	Aleyti	100	77./8	EC.)			17.5 -20		431. 435
SELOW 1	(HOURS)	7.3	Penn's	-35 -30 -65	-20 -17.9								*12.5			*49	***
1 10 2	€.59	13.3	12					2 2	3		ī	1					
2 10 5	0.30	72.0	11			1	ı		•	ı	2						
\$ 10 to	0.24	84.7	7														
15 10 22	U. 30	125.5	11							ı							
20 10 25	0.19	149.1	3							14							
25 10 30	1.55	1459.2	30			•	1	3	•	10	5						
ABOVE 35		3.															
TOTAL	7.14	2075.0	. 64			5	2	•	14	5.0	•	1					

# TABLE DOGGO DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE BOUTE BETWEEN CLARK AB, POILLIPPINGS AND SAIGON, TAN SON NEUT A/D, VIETNAM FOR THE BOUTH OF DESCRIPE

						-	M-316	M-1 40		,,,,												
ALTITUD (1000 P 0ELDW 1 TO 2 TO 5 TO 1:	T) (H <b>OURS)</b> 1 0. 2 C. 5 C. 5 C.	MAUTICAL MILES O. U. D. O.	TOTAL PEARS 0 U	-35 -3	<b>0</b> -25	-50	-17.5	-15	-12.9	UDE -10	D15T -7.9	41 <b>9</b> 07	10N (	FT./1	*10	112.5	•15	•17.9	• 29	•25	•33 •35	
20 70 2		924.1	2									1	2									
25 10 3	1.55	2514.3	Į.								1	1	2									
ABOVE 3	1.76	805.0	1,5								1	,										
TOTAL	11.07	5135.5	.,								•	•	5									
							STOR	CONG	t T lons	3												
ALTITUDE (1900 FI BELOW   1 TO 2 2 TO 1	(HOURS) 6.14 0.15 0.55	10.9 22.0 112.5	FOTAL PEACS S1 34 99	-35 -3	0 -25	-20 l	-17.5 1	-15	-12.5 2 1		01570 -7.5 7	110UT	17	FT./S •7.5 14 12		•12.5 3	•15	•17.9 1	+20	-25	•13 •35	
3 TO 10 10 TO 10 13 TO 20 20 TO 20 25 TO 30 20 TO 30 400VE 30 TOTAL	0.72 0. 0. 0.	191.7 224.0 0. 0. 0. 0. 572.0	19 29 6 8 8			1	,		7	13	1 19	16	10	1	13	•	,	1				
											•			-			•	-				
						ST	-	LUS N	04-576	AM .												
ALTITUDE (1800 F)   1800 F	7) (HOURS) C.14 C.15 C.19 C.19 C.19 C.73 C.72 C.67 C.27 C.27 C.27 C.27	MMTICAL MILES 10.9 22.0 112.5 191.7 220.0 240.3 920.1 672.1 251.0 605.0	TOTAL PEAKS \$1 34 50 15 20 2	-35 -3	0 -25	-20 1	-17.5 1 1	-15	-12.5	U0E -10		-9 -2 2 17 9 16		FT./SI •7.5 14 12 6		•12.5	*13	•17. <b>9</b>	•29	•25	•30 •35	
TOTAL	14.16	4727.4	201						•		30			2.0			•					

							non-st	04A C	040] T I	045											
ALTITUDE 11000 PTI 0ELOW 1 1 TO 2 2 TO 5 5 TO L)	CHOURS	MAUTICAL Miles D. J. J.	PEARS	-35	-36 -8	s -	10 -17.	9 -19	-12.5					FT./1		•12.5	+15	•17.5	• • 20	•25	•32 •39
15 TO 15 15 TO 27 20 TO 25 25 TO 32 36 TO 35 480VE 35	2.44 3.91 10.92 30.45 39.25 182.97	3. 907.3 2338.9 7121.4 15967.8 17361.0	134 194 199 199							1 1	10	11 34 20 22 32 127	31 76 55 47 43 272	14 8 7 7 4 34	3	1 3 1					
							STOR	H CON	<b>*</b> 01110												
ALTITUDE (1000 PT) 86LOW L 1 TO 2 2 TO 15 15 TO 25 20 TO 25		MAUTICAL 1 MILES 103.7 67.4 362.2 451.5 569.3 51.4 53.7	TOTAL PEARS 54 53 69 102 32 3	-35	-30 -2	9 -2	0 -17.	5 -15 1		-10 l 4 2	-7.5 7 7 12 6	-9 -9 -9 10 33 12		#T./5 •7.5 17 12 12 10		•12.5 1	*15	•17:5	•20 1	1	•33 •31
25 10 30 30 10 35 480VE 35 TOTAL	3.21 2.49 11.44 10.69	87.7 198 5 5249.7 7215.4	18 15 33 422					ı	5	•	14	12	119	3 1 2 43	50	•	•	ı	1	1	
							STORP	PLUS	HDH-57	OR M											
ALTITUDE (1000 PT) 0ELOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 2,	(HOURS 6.60 55 1.70 1.50 1.72 2.50	163.7 87.4 342.2 451.5 549.3	TOTAL PFARS SA S3 99 102 32 47	-35	-30 -2	5 -2	0 -17.	5 -15 1	-12.5 1 4		-7.5 7 12	-9 4 7 18 33 12 14	16 14 44 39 17	FT./S •7.9 17 12 12 10	*18 3 9	1	•15 i i	•17.3	1	1	•12 •11
	6.05 17.13 36.70 53.67	2392.6 7209.1 10106.4 2261J.8 50911.8	147 117 134 133					1	2	11	1	37 32 31 44 232	91 91 92 434	17	36	•	•	1	1	ı	
				DIST		ATGON	P DERIY OR THE VOKOT TAN S	ROUTI A AB. AND ON NO TOR TI	ertical E detwi Japan Ot a/i E	i i b, VI		OC 1 T Y									
ALT I TUDE	TIME	MAUTICAL	TOTAL				HOH- \$70			upe	01570	18UT	10N 1	PT./S	EC.)						
1100C FT   00LOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20	0. 0. 3.41	MILES 0. 3. 4. 3. 4.	PEARS C O O C L	-31	-30 -5	s -2	0 -17.9	-15	-12.5	-10	-7.5	-9	.5	•7.5	+10	•12.5	•15	•17.5	+20	•25	•>> •>>
20 TO 25 25 TO 30 36 TO 35 480VE 35 TOTAL	0.64 0.56 164 7.36 29.61	239.7 3526.4 4552.6 4163.3 12626.7	10								1 1 2	13	11 11 11 11 11 11 11 11 11 11 11 11 11	13	2 7	l L					
							STORP	COM	1 T 10M1												
ALTITUDE (1000 FT) 00LOW L 1 TO 2 2 TO 5 5 TO 13 10 TO 15 15 TO 2	0.34 0.34 0.35 0.57 6.52 0.63 0.63	\$2.9 29.5 136.6 143.5 202.4 33.3	TOTAL PEAKS 23 27 46 77 14	-35	-30 -3	5 -21	0 -17.1	1	-12.5 1	UDE -10	7.5	-5 1 3 7 26 7	7 6 16 21	10	1 3 3	12.5	•15 ·	17.5	• <b>?0</b>	1	•33 •35
20 TO 25 25 TO 30 30 TO 35 ABOVE 35 TOTAL	0.12 0.12 0.90 12.75	33.6 52.8 136.0 4615.3 5399.7	19 10 14 33 264					ı	3	7	25	17	19	30 1 3	1	2	2			1	
	His	VAUTICAL	TOTAL				STORM P	LUS .	OH- 5 TO			10									
ALTITUDE (10-20 PT) DELOW 1 1 TO 2 2 TO 5 5 TO 16 10 TO 15 15 TO 20 20 TO 25 25 TO 35 30 TO 35	0.30 0.10 0.10 0.37 1.92 0.63 6.50 1.72	#ILES \$2.9 29.3 100.6 103.9 202.4 101.9 273.3 3970.9	PCARS 23 27 40 77 16 5 77 34 27	-35	-9t -a	-21	0 -17.9	-19	1 2.5		7.5	77 20 7 3 10 0 11	7 6 16 21 6 2 30 17	10	-10 ·10 ·10 ·10 ·10 ·10 ·10 ·10 ·10 ·10 ·	1	1	17.9	1	1	•39 •35
TOTAL	19.24	10626.6	365					ı	3	7	27	14	143	21	25	3	2		ı	1	

B 016791907190 (PT./SEC.)

ALTITUEE (1000 PT) 06L0M 1 1 TO 2 2 TO 9 5 TO 13		3. 3. 3.	MAR	-35:-3	• -25	- 26 -	17.5 -	19 -18.	5 -10	-7.5	-5		(PT./1 •7. <b>3</b>	•10	•12.9	+15	•17.1	-20	•25	•33 •	35
10 TO 15 15 TO 27 20 TO 25 20 TO 30 30 TO 35 400VE 35	6.55 9.64 9.70	91:0										••									
400VE 35	12.29	1973.3	22								14	**	1								
						5	TORM CO	<b>201110</b>	45												
ALTITUDE 110-5 PT I 00LOU 1	(HENNES	NAUTICAL MOLOS	PEARS	-35 -3	c -25	- 26 -	17.5 -1	19 -12.	1 -19	9157 -7.5	-5	7104	67./S	#U.)	•12.9	+15	•17.9	+20	+25	•33 •1	9
	0.05 0.30	11-6 41-1 14-4	15								1	•	3	1							
10 TO 1: 10 TO 20 20 TO 20 20 TO 20 20 TO 30 MOOVE 35 TOTAL	6.17 6.	3. 3.									1	1									
TOTAL	1.44	136.9	10								3	•	)	ı							
	ULS I	06.9		У		110	AM PLUS	1004-51					el të	16 .							
ALTITUDE (1003 PT) 1 COLOR 1 TO 2 2 TO 3 2 TO 15 15 TO 25 25 TO 35 26 TO 35	TIMP Indubal	WITTER ST	TOTAL	-91 -N		-50 -	17.5 -1	3 -12.	-10	7.5	-1	7500 (	7,5		•12.5	•15	+17.5	•20	•23	•10 •1	
10 10	0.46 0.16	21.4	14									•	3	1							
15 70 80 20 70 85	0.32	01.0 01.0 01.0	4								•	18									
35 10 35 480VF 35 TOTAL	6.50 10.50 10.40	199-3		. A .							14	**	1	1							
10	-	3 15 3 1 4	3,5								1 6		•	•							
	*	10 10 10					TABLE	D814													
				BESTRIC		FOR	VOR SHI A ATOX MA		M 166#		<b>06 (7</b> 1	,									
+1	n Wig				SAR		Aunt p			Than											
4. 717000	1100	MATTER	TOTAL	-35 -36	~29				yes	010T	11001	100	PT./SI	E.1	.12.5	•15	. 17. 9		•29	•32 •35	
4.1014 FT 1 00.00 FT 1 00.00 FT 1 1 TO 2 1 T					•					•••	-					•••		•			
10 10 17 10 10 10	i. 53								1		,	13	1								
20 10 25 25 10 32 30 10 39	1.53 4.00 4.32 21.04	1700.0 2733.7 0000.0 0000.3	10 48 84 77							3	14 14 19	34	1	1	ì						
101 AL	4.17	19375.1	245						ı	13	44	144	10	1	2						
ALTITUES	The state of		ford.			\$1	OM CO	H01110H		-14		104 H									
	1	MANTICAL MINES	4	-36 -30	-25	-20 -1	7.5 -1	1 -12.1 2	-10-	7.7	7		7.5	•10	12.5	13 0	17.5	•30	•25	•10 •11	•
188				1	11		1000	I.	1	1	4	1	•	3		·					
00.00 1 1 70 2 2 70 5 5 70 10 10 70 10 10 70 10 20 70 20 20 70 20	1 1		6 14 m	1 2 30			Α.				100										
30 TO 30 400VE 35 TOTAL	:.,,	Ni.	ı					,	ı	,	21	95	14	•	ı	2	1				
	1	14		5		5700	P PLM9				95										
11000 /71	114	THE PERSON	200	-91 -91	-21	-8 -1	7.5 -20	-17.1	-10	******	131	100 1	7:/4		18.5	·19 ·	17.5	-50	-25	•33 •31	
1 70	1.1	# 1 T	4	13 F				i				1		,	•	i	•				
10 70 15 10 70 30 20 70 29	1.50	100.1	i						1		20	13	1 2		1						
1 TO 1 2 TO 5 5 TO 15 10 TO 15 10 TO 30 20 TO 25 25 TO 10 20 TO 25 4400VE 30 TOTAL	1.00 1.00 1.00 1.00 1.00 1.00 1.00									7	14.5	34	•	1							
			- 00																		
TOTAL	47-10	Carriery								20	••	144	34	•	,	•	1				



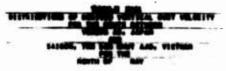
4.717400	NO. 1	-	-			-	_									
11000 PT	1000001	WILL.	TEA.	-11 -10 -25	-11.1	-15 -15.1	-10	-7.6	-,		7.5 -1	+12.5	*15 *17.5	-20 -1	48 1	
1 10 2 1 10 8 2 10 8 9 70 10 10 70 15 16 70 35 30 70 35 30 70 30 30 70 30 30 70 30	<b>:</b>		•													
2 2 2	1.22	77.								1						
# 11 #	0.25	97.9					1	1	1	10	1	2				-
30 TO 30 4007E 35	1.40 3.50 7.37	1994.7 1974-1	14				_	i	10	•	i	•				
1974	12.62	5430.1	45				1	•	LT	20	5	2				
					STORM	COHO   T 10H	18									
A. TETUDE	TIME N	MILES	TOTAL PEARS	-35 -36 -25	-20 -17.5	-15 -12.5		015T	RIGHT	100 (7	7./38C.		•19 •17.5 •			_
1 10 5	0.04	6.3	;		30 4336	1	ı	3	1							•
10 10	1.12	27.0 54.2 64.1	•	,				1	•	1	1					
15 10 30	0.05	10.6								3						
10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.00	20.2 25.7 62.5	1						1							
TOTAL	2.47	639.3 937.5	n				1	•	7		, ,	1				
					1700m A	LUS NON-ET										
ALTETUDE		MTICAL	TOTAL				U00	91571	11801	On 17	1./ <b>S</b> EC.I					
SELON L	0.06	AILES	PEARS	-35 -30 -25	-26 -17.5	1	-10	7.5	-5		7.5 -10	*12.5	·15 ·17.5 ·	50 +5	5 -50 -3	8
1 TO 2 2 TO 1 3 TO 10	0.04	#::	÷			1	1	1		1	1					
10 TO 15	9.20 9.10 9.27	42.1	•						3	i						
20 10 25 25 10 30 30 70 35	1.49	110.1	25				1	1	10	10	1	1				
960A6 32	0.01	1059.2	17			_	_	1	i	•	1					
1014	15.29	4547.4	76			2	2	7	34	20	, ,	,				
				N.11111-1-15		LE Delf										
				DISTRIBUTION	FOR THE S	OUTE SETWING AS, JAPAN	200	ARE	X 17 V							
				SAI		AND		THAN								
					PO	A THE										
					HOM- 5 TOR	- (0001711	DH \$									
44.717400 11000 PT1	1100 W	MILES	TOTAL PEAKS	-35 -36 -25	-20 -17.5	-15 -12.5	-10 -	01 578 7. 5	-5	ON (F1	./MC.1	-12.5	•15 •17.5 •	10 +21	· · · · · · · · · · · · ·	
(1000 PT)	:	:														
10 10	:															
16 70 20	8.14 8.16	50.5														
25 10 30	4.43	1996.8	ì						1	1	ı					
1074L	. 70		;						2	2	1					
					STORM	CONG   T   ONS	Y									
ALTITUE!	T100 NA	WTICAL	TOTAL		(10) - 10 A				IOUTI		./506.1		-15 -17.5 -/	e •21	130 130	
11000 FT1 0010w 1	9.04 9.03	11.0 6.3	13 10	-35 -36 -25	-20 -17.5	1	-10 -	1.1	1	***	1 1	.12:	*15 *17.5 *			
2 70 5 5 70 10 10 70 15 10 70 20 20 70 20 20 70 20 20 70 25 Abovt 25	0.07	17.1	27				1	3	11	12	; ;		1			
18 11 11	0.47	50.2						1	2	ı						
	:															
ABOVE 35	3.45	130.2	• 7			ı	,	12	10	20	15 •	1	1			-
100,000													,			
ALTITUES	1100 04	UTICAL	TOTAL		steem PL	US 11011-170		0 J4T0	10071	M 181	./mc.)					
11000 771	11mg , na (monts) 0.04 0.05 0.07	BILES	PEARS	-35 -30 -25	-20 -17.5	-15 -12.5	1			3	-/ MC.	45.5	15 -17.5 -	•	***	
1 70	1:31		19				1	3		1	1 1	-	1.			_
1 1 1 1		14.2	*				ı	i	11	i						
1 TO 2 2 TO 5 5 TO 15 15 TO 15 15 TO 20 20 TO 25 25 TO 25 20 TO 25 20 TO 25 20 TO 25		17.3 10.3 17.3 175.3 175.3	1						1	ļ	1					
10.77			1					10	-	1	<b>n</b> v		1			
TOTAL	10.10	4170.3	44.			•		12	n	10		•	•			1

## TABLE DOLG - OF SERVICE VERTICAL SULT VOLCETY FOR THE MOUTE SERVICEN VOLCETY AND A SERVICEN CONTRACT, JUNE 1

## SAIGON, TAN SON MINT A/B, VIETNAM

HOW-STORM COMBITIONS

						-21 Gam	COMMITTE	PT3									
ALTITUDE			PEARS	-35 -30 -25	- 20 -	17.5 -1	5 -12.5				m (FT.		*12.5	+15	-17.5	50 -5	• • • • • • • • • • • • • • • • • • • •
1 10 5	· ·	3.	5														
2 TO 3 3 TO 13 10 TO 15		3. 3.	0														
15 TO 25	 	90.7	, i								1						
25 TO 30 30 TO 35	1.15	493.4	9														
TOTAL		952.8	•							i	;						
						10A4 CC	MD1110M1										
ALTITUDE			TOTAL	-15 -11 -21						MITIO	N (PT.	SFC.					
(10% FT) BELDW 1 1 TO 2	5.26 3.12	39.4	PEARS	-35 -3: -4:		17.5 -1	5 -12.5	1	"i	1	3	١.	*17.5	• • • • •	*****	20 -2	• • • • • • • • • • • • • • • • • • • •
2 10 5		47.3	5					•		•	1						
19 10 15	6.30	17.6	3							2	1						
20 10 25 25 10 30 30 10 35	0.07 0.27	31.2	11				5	ı	1	1	3						
ABOVE 35	8.42 4	501.7	11				2	2	1	•	2) 1	1					
					\$10		HGH- 510	<b>.</b>									
ALTITUOC	TIME YAU	FICAL T	TOTAL					UDE	DI STRI		4 151.						
96F0- 1	20	39.4	PEAKS	-35 -30 -25	- 56 -	17.5 -1	5 -15.9		7.5	-5 1			+12.5	•15	•17.5 •	20 +29	*30 *35
1 TO 2 2 TO 5 5 TO 15	0.30 5.16	17.8 60.6 47.3	3					1			, '	1					
16 10 15		49.7	3							2	i	•					
25 10 25	3.50 1	46:4	14				2	ı	1	1		i					
30 TU 35 ABOVE 35 TOTAL	10.71 4	612.0 999.1 433.6	13					,	,	21	20 12						
		12010	•				•		•								
				DISTRIBUTED	FOR 1	THE ROUDINGTA AMAIN SOME FOR STHEET	VERTICAL TE BETWE B, JAPAN B HHUT A/B THE APRIL	. VIE		ITV							
ALT I TUDE	TIME NAV		OTAL		10070	-51044	CO-1110			A T 1.00	. (FT./						
(1800 PT)			EARS	-35 -30 -25	-\$6 -	17.5 -1	1 -15.5	-16 -1	, 5	-\$	3 . 7. 5	•10	•12.5	•15	17.5 -1	9 -55	*37 *35
1 10 2	· ·	3.	3														
10 10 15		43.3	2)								,						
20 10 25	6.97	199.1 249.8	0														
30 10 35 400VE 35 73TAL	7.64 3	94.7 311.9 921.1	44								4 I						
13.44	••••	*****	•								•						
ALTITUOC	TIPE 140	FICAL T	Of AL		\$1	ORM CO	+0 [ T ] OHS	LINE I	157921	L 1 104	151./	<b>U</b> C. 1					
1103C FT1		7.0	EARS	-35 -36 -25	-50 -	7.5 -1	-12.5	-10 -1	. 5		3 .7.3	•10	-12.5	•15	17.5 +2	0 +55	•33 •35
2 10 5 1 10 5	0.4	10.4	15							2	• >	Ł					
19 16 19	6.13	42.4	2							ı	ı						
20 TO 25 25 TO 30		3.	3														
30 TO 35 460VE 35 TOTAL	6.30	136.8	16							,	٠,	1					
					4000												
ALTITUDE	1146 14V		UTAL		5111	W PLUS	NON-\$100		157916	NTION	191./	MC.I					
11036 FF3	COS R	7.0	EARS	-35 -30 -25	-26 -1	7.5 -81	-12.5						•12.5	*15 *	17.5 +2	*25	•10 •15
1 TO 2 2 TO 3	0.33 1.06	10.4	I S				•			2	• 3	1					
15 10 15	12	43.1	23							1 1	1						
	3.10										•						
25 10 25	0.57	249.0	3														
26 10 25	0.57 0.27 7.64 3	199.1	3								: 1	ı					



HEN-STEEN COMPLY SOME

ALTITUDE	TORE MAYTICAL	TOTAL PEAKS	WEST DISTRIBUTION (FT./MSC.)
1 70			-95 -96 -25 -36 -17-5 -15 -12-5 -16 -7-5 -9 -9 -95 -97-5 -16 -12-5 -15 -17-5 -29 -25 -96 -96
2 TO 1 3 TO 10 10 TO 15		0	
	0.04 19.1 0.03 12.1 0.07 27.0		
30 TO 30 400YE 30 TOTAL	4.64 2050.5		3 4
TOTAL.	4.05 2[43.2	l Y	
ALTITUDE	TIME HAUTICAL		STORM COMMITTIONS  UNG DISTRIBUTION (PT./SEC.)
(1000 PT) 88LOw 1 1 TO 2	0.02 2.5 0.00 0.9	PEARS	-35 -36 -25 -26 -17.5 -15 -12.5 -16 -7.5 -5 -5 -5 -16 -12.5 -15 -15 -17.5 -26 -25 -59 -59
2 70 3 5 70 10 10 70 13	0.02 5.2 0.02 7.0 0.04 10.3		
20 10 25	: :		•
25 TO 30 30 TO 35 ABOVE 35			
TOTAL	0.11 30.7	•	
ALT I TUBE	TIME NAUTICAL	TOTAL	STORM PLUS NON-STORM  UDG 01STRIBUTION (PT./52C.)
(1000 FT) 96LOW 1 1 TO 2	0.42 2.5	PEARS	-35 -30 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 +5 +7.5 +10 +12.5 +15 +17.5 +20 +25 +30 +36
2 70 3	0.02 5.2 0.02 7.8	0	
10 TO 15 15 TO 20 20 TO 25	0.04 14.3 0.04 15.5 0.03 12.7	:	
25 TO 30 30 TO 35 480YE 35	9.07 27.0 9.07 26.7 4.04 2090.9		3 4
TOTAL	4.96 2173.9		i i
. %			
			TABLE DOLI DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEEN
			VOROTA AS, JAPAM AND Saison, Tam son mut a/s, Veetnam
			FOR THE MONTH OF JUNE
44 94 5	-	***	NON-STORM CONDITIONS
11000 FT) 80.04 1	b. b.	PEARS	### #################################
1 70 2 2 70 3 5 70 10			
10 TO 15 15 TO 20 20 TO 25	0. 0.07 24.3		
25 10 33	5.37 2205.5	57	3 14 33 6 1
101 AL	i 2112.	57	3 14 33 6 1
			STORM COMMITTIONS
(1000 FT) BCLD: 1	TIME MAUTICAL (MOURS) RILES	PEARS	umd distribution (PT./Sec.) -35 -30 -25 -20 -17.5 -15 -12.5 -10 -7.5 -5 95 97.5 910 912.5 915 917.5 920 925 930 939
2 70 5	0.33 45.0 0.33 45.0 0.05 20.3	12	
10 10 15 15 70 20 20 70 25 25 70 20 26 70 25	31.0	:	• •
70 70 25 15 10 30 16 10 35			
TOTAL	102:0		4 10 .
			STORM PLUS NON-STORM
ALTITUMS (1000 PT) 80LOW 1	TIME MANTICAL INDURS) RILES 0.03 5.1	PENS	-33 -30 -23 -30 -17.5 -15 -12.5 -10 -7.5 -5 -5 -7.5 -10 -12.5 -10 -17.5 -20 -25 -30 -30 -30 -30 -30 -30 -30 -30 -30 -30
1 70 1	1.01	.1	
10 10			
1 70 10 10 70 15 15 70 20 20 70 25 25 70 25 25 70 26 40077 30			3 14 38 6 1
400VE 36	141.0		1 10 11 4 4

# TABLE DOIN DISTRIBUTIONS OF DERIVED VERTICAL CUST VELOCITY FOR THE ROYTE BETWEEN VORDTA AB, JAPAN AND SAIGON, TAN SON WRIT A/O, VIFTHAN FOR THE

CHOITIONS CONDITIONS

## TITUDE    TOTAL   STATE   S								-	-516	,mm - C		Owa											
TITION	(1000 FT) 0ELOW 1 1 TO 2 2 TO 3 5 TO 13 10 TO 15 13 TO 2; 20 TO 25 25 TO 33 25 TO 35 ABOVE 35	(HOURS) MI U. C U. C U. C U. C U. C U. C U U	0. 0. 0. 0. 11.9 24.3 40.9	EARS 0 0 0 0 0 0 0	-35	-30	-25	-29	-17.9	-19	-12.5	u06 3 -10	9 0131 -7.9	-3	71GN +5	(FT./S	€C.1 •10	•12.5	•15	•17.5	•20	•25	*30 *1
Common   C								1	TORR	CON	11104	5											
TABLE DSL:    TABLE DSL:	(100C FT) BELOW 1 1 TO 2 2 TO 3 5 TO 1) 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35 ABOVE 35	(HOURS) #1	1.8 1.4 8.7 19.8 11.4 7.	ARS 2	-35	-30 -	25	- 20 -	·17.9	-15	2	-13	-7.5	*R1AU1	• •		*13	•12.5	1	•17.5	•20	•25	•33 •1
TABLE Dall'								\$10	RM P	LUS N	104-ST	044											
### TABLE DBIL  TA						•						une	0157	RIBUT	100	FT./50	ic.1						
TABLE DSIX  TABLE DSIX  TABLE DSIX  DISTRIBUTIONS OF DERIVED VERTICAL BASE VELOCITY FOR THE ROUTE SETTING  TABLE DSIX  TABLE DSIX  TABLE DSIX  TABLE DSIX  DISTRIBUTIONS OF DERIVED VERTICAL BASE VELOCITY FOR THE ROUTE SETTING  ROUTE OF THE ROUTE SETTING  ROUTE OF THE ROUTE SETTING  ALTITUDE TIME ADDITION TOTAL  1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BELGW 1 1 TO 2 2 TO 5 5 TO 13 13 TO 15 15 TO 27 20 TO 25 25 TO 3	0.31 0.33 0.33 0.33 0.33 3.37	1.3 1.4 8.7 15.8 11.4 11.9 24.3	24473365	-33	-35 -	25 -	-2	17.5	-15		-17		-,	••	•7.5	•12	+12.5	ı	•17.5	• 20	•25	•13 •1
TABLE DSIX  OISTRIBUTIONS OF DERIVED VENTICAL BUST VELOCITY FOOR THE ROUTE BETWEEN VENTUR AS, JAPAN  SALED, THE ROUTE BETWEEN FOR THE ROUTE BETWEEN WOW-STORM CONSTITUTION  ALTITUDE TIME NAMICAL FORM STORM CONSTITUTIONS  ALTITUDE TIME NAMICAL FORM 170 2 J. U. 0 170 3 J. U. 0 170 4 J. U. 0 170 5 J. U. 0 170 6 J. U. 0 170 7 J. U. 0	ABOVE 35	1.93	40.2	0							2		1		•		1		2				
\$ 10 12 \ \ \cdots \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	110 % FT1 8ELD= 1	(HOURS) ME	6. J.	0			\$4160	FOR Y OH, T HO	EREV THE ENOT AN S PTH	ED VERDUTE A AB, AMD ON MH OR TH OF A	RTICAL BETW JAPA UT A/I E UGUST	PEN N D, YI D'IS UDE	CTMAN DEST	RIGUT	ton t			•12.5	•15 •	17.9	+20	•25	•32 •39
25 TO 25	10 TO 15	U.	٥.	2																			
ALTITUDE TIME VAUTICAL TOTAL 1015 100 100 100 100 100 100 100 100 10	25 70 25	1.21 16	84.5 79.3	40								•		50	* 1	2		ı					
STORM COMDITIONS  ALTITUDE   Time valifical total   UDE DISTRIBUTION (FT./SEC.)   1103C FT1 (HOURS)   RILES   PARS   -35 -36 -29 -20 -17.5 -15 -12.5 -10 -7.5 -5   95 07.5   10 012.5   15 017.5   20 025   019 035   1	ABOVE 35	8.30 34	90.6	41								1	.1.	15	5.5	3	-	1					
ALTITUDE   Time   VAUTICAL TOTAL   UDE DISTRIBUTION   FT./SEC.    1102C FT1   (MOURS)   MILES   PARKS   -35 -30 -29   -20 -17.5 -15 -12.5 -10 -7.5   -9   08   07.5   010   012.5   015   017.5   020   025   010   035    ARLOW 1											••••												
AREGOR 117 26.3 19				TAL								UDE	DIST										
ALTITUDE TIME MAUTICAL TOTAL UDG OISTRIBUTION (FT./SEC.)  ALTITUDE TIME MAUTICAL TOTAL UDG OISTRIBUTION (FT./SEC.)  1 0 0 01STRIBUTION (FT./SEC.)  1 10 2 0.20 39.5 15 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	## COUL 1 FO 2 2 FO 5 5 FO 12 10 FO 13 15 FO 22 20 FO 23 25 FO 3 36 FO 34	17 26 6.75 1 66 1	26.3 39.5 92.6 66.8 14.8 3.	10 25	-35 -	· 36 -	? -	. SC -	17.5	-19			ŀ	1	,	•			•15 •		•20	•29	*** ***
STURM PLUS NOM-STORM  ALTITUDE TIME MAUTICAL TOTAL 11000 PT1 (MOURS) RILUS PERKS -35 -30 -25 -28 -17.5 -19 -12.5 -10 -7.5 -5 +5 +7.5 +10 +12.5 +15 +17.5 +28 +25 +35 +35 +35 +35 +35 +35 +35 +35 +35 +3	se sypan	£:40 .	3.	0							1	1	٠	19	11	14	,	1		1			
ALTITUDE TIME MANTICAL TOTAL 11808 FT1 (MANUSS) RILES PEAGS -35 -30 -29 -20 -17.5 -19 -12.5 -10 -7.5 -5 -5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		30,000							RP PI	.us w	DN-5 T C	<b>*</b> **											
98100 1		TEME HAUT	CAL TO	TAL	-35 -	DC -	rs -	20 -	17.5	-19	-12.5							12.5	•15 •	17.5	. 24	• 24	.33 .14
	0ELOu 1 1 70 2 2 70 9 5 78 19 10 70 19 19 70 29 29 70 25 25 70 3C 30 70 39	6.17 6.26 9.79 1 6.56 2 1.47 3 6.21 16 1.13 4 21.06 96 8.30 30	26.3 39.5 52.6 66.6 10.6 61.0 00.3 79.3	15 16 25 12 9 10 60 1				-				i i	* * * * * * * * * * * * * * * * * * * *	1 9 3 2 70 14	5 7 13 43 1 32 22	1 2	•	1			•		

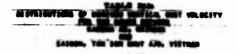
### TABLE DISM DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE DATHERN VERTICA DS. JAPAN

## SAIGON, TAN SON HILLT A/D, VIETNAM

ALTITUDE (1998 FT) 8ELOW 1 1 TO 2 2 TO 9 9 TU 10 10 TO 15 15 TO 22 20 TO 23 25 TO 33 30 TO 35 ABOVE 35 TOTAL	TIME MAUTICAL (MOURS) RILES (0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0		-39 -30 -29	-20 -17.5 -15				ON (FT./: +9 +7.5		2.5 +11	5 +17.5 +2	:0 +25	+33 +39
				S FORM CON	DETIONS								
ALTITUDE (100C PT) BELOW 1 1 TO 2 2 TO 5 5 TO 13 13 TO 23 23 TO 25 25 TO 36 30 TO 35 460VE 35 TOTAL		TOTAL PEAKS  5 4 7 5 0 1 0 31	-35 -30 -25	-20 -17.5 -15	-12.5 -1 1 1		1 3 2 1 T	DN (FT-/1 -5 -7.5 3 1 4 3		2.5 +15 i	i +17.5 +2	• •25	+33 +35
				STORM PLUS	HON-5700M								
ALTITUDE	TIME NAUTICAL	TOTAL		31044 7103			RIGUTT	ON 1FT./S	EC. 1				
110 JC FT) BELOW 1 1 TO 2 2 TO 5 5 TO L; 10 TU 15 13 TO 2J 20 TO 25 25 TO 30 30 TO 35	HOURS   AILES was 8.2 Garage G	PEAKS 9 5 4 7 5 0 C L 1 14	-35 -33 -25	-20 -17.9 -19	-12.5 -1		-5 1 3 2			2.5 •15 1	+17.5 +2(	•25	*30 *35
ABOVE 33	5.57 2432.7 16.43 4440.6	44			2	1 5	13	15 4	5	ı			
				S OF DERIVED VI FOR THE ROUT VINIOTA &B. AND GON, TAN SOM HI FUR TI MUNTH OF NO NON-STORM CO	E BETWEEN , JAPAN 4UT A/D, 1 4E DVEHMER		OCITY						
ALTITUDE - (1000 PT) 88LBW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35 400VE 35 TOTAL		TOTAL PEARS 0 0 0 0 0 2 1 2 24 3 6	-35 -30 -25	-20 -17-5 - 15	U	1 1		1 10 1 2 13 1	+10 +12	2 2	+17.5 +20	•25	+33 +35
				STORM CONE	IT IONS								
ALTITUDE (1090 PT) BB.Ow 1 1 TO 2 2 TO 3 9 TO 1; 10 TO 15 10 TO 20 20 TO 20 20 TO 25 25 TO 3, 30 TO 35 ABOVE 31 TOTAL	TIME VAUTICAL (HOURS) MILES 0.00 0.55 C.01 2.2 C.02 4.8 i4 11-4 D.04 14-2 C. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	TOTAL PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-35 -32 -25	-26 -17.5 -19	-12.9 -14	DE DIST	-5	M (PT./SE +9 +7.5	C.1 •10 •12	.5 •15	•17.5 <b>•20</b>	•25	•33 •35
				STORM PLUS N	0H-5T(MH								
ALTITUDE (1903 PT) DELOW 1 1 TO 2 2 TO 5 9 TO 10 10 TO 15 19 TO 20 20 TO 25 25 TO 32 30 TO 35 400V2 35	TIME MAUTICAL (MOURS) MILES 1.03 3.9 4.01 2.2 4.04 11.4 (5.29 10.9 3.00 11.5 400.7 3.12 93.4 4.00 2009.0	TOTAL PEARS 0 0 3 1 2 24 9	-95 -30 -23	-26 -17.5 -15	-12.5 -10 1	1 1	1 1	N (PT./SE+5 +7.5	•10 •12	.5 •15 ·	•17.5 • <b>89</b>	•15	•30 •39
					•	•	••		•	,			

# TABLE DSIGN TABLE DSIGN OF DERIVED VERTICAL OUST VERDCITY FOR THE ROUTE BETWEEN VOKOTA AS, JAPAN AND SAIGON, TAN SON MUT A/D, VIETNAM FOR THE HONTH OF DECEMBER NOM-STORM CONDITIONS

					NON-ST		ONS										
ALTITUDE		HAUTICAL	TOTAL				UOI	0157	A LOUI	104	FT./8	EC.1					
11000 PT)	INDUAS:	MILES	PEAKS	-35 -30 -2	5 -20 -17.	5 -15 -12.	-10	-7.5	-5	+5	+7.5	+10	•12.5	+15 +	17.5 -20	+25	•33 •35
1 70 2	5.	0.															
2 TO 5																	
5 10 10	••																
19 70 15	0.13	47.3															
20 70 25	0.20	103.2	4					1	12	32	12	5					
25 10 33	0.38	150.4	10					•		7		•					
30 10 35	4.84	5135.0	18					1	3	3		2	1				
TOTAL	7.27	3200.3	•7					2	19	44		7					
1014		,,,,,,	•					•	14	••	12	,	1				
					5700	4 COMDITION	20										
					12.7.30					7219	نايا حج						
AL FITUDE		MAUTICAL	PEARS	-35 -30 -2	4 -20 -17.	5 -15 -12.5	100	D131	RIBUT	I COM I	FT./8	£6.1			17.5 +20		
BELOW 1	5.02	2.5	1			15 -1111		-1.5	-,	7	****	*10	*14.5	-17		423	*30 *35
1 70 2	0.04	5.4	14			1	1	1	2	•	4	ı					
2 70 5	0.18	20.9	10				1	•	2	1	2						
5 TO 10 10 TO 15	0.24	50.4	35					ż	11	11	3	•	1	1	1	1	
15 70 20	0.04	13.4	ï					•	- 1	•		•					
20 TO 25	0.03	13.2	12					2	3	5	2						
25 70 30	0.05	20.0	!					1		3							
30 TO 35	1.20	343.2	22						5	• •							
TOTAL	2.01	767.9	113			1	2	11	35	43	11		1	1			
		100,7				•	_					_	•	•	•	•	
					STORM	PLUS HON-ST	CRM										
ALTITURE	1186	MUTICAL"	-				une	01570	1041	10m /	FT./90	IC.1					
(1000 FT)	(HEURS)	MILES	PEAKS	-33 -30 -2	5 -20 -17.	5 -15 -12.5	-10	-7.5	-5				+12.5	+15 -1	17.5 +20	+25	+38 +35
1 70	0.02	2.5							_	1							
2 10 5	0.12	20.9	14			1	i	1		•	•	1					
5 TO 10	0.24	50.4	33				•	4	11	ıi	3	•	1	1	1	1	
10 10 15	0.17	88.4	•					ĭ	3	4	•	i	•	-	•	•	
15 15 15	0.17	62.7	,					_	. 1			_					
# # #	0.32	179.3	74					1	15	37	14	•					
10 10 25	4.00	2147.0	14					•	•	10		2					
ABOVE 35	0.55	3771.5	23					-	i	14		•	•				



						13		-	-	-												
1 72 1	TIME NAME OF STREET OF STR	TICAL IILES 0. 0.	PEARS	-35	-30 -1	15 -a	<b>0</b> -17.	5 -15	-12.9	-10	-7.5	-2 F1001	•,	PT./8 •7.5	• 10 • 10	•12.	• • • • • •	+1741	• • •	·85	•10	•95
\$ 10 10 10 10 15 15 10 20 20 16 25 25 10 20 20 10 35 Above 20	7.30 7.30 7.34 4.20	9. 593.4 307.5 739.2	31 10 1 23					1			3	9 1	19	:	;		1					
TOTAL	10.22	425.3	**					ı			•	10	39	•	•		1					
							510A	M COM	11104	š												
ALTITUDE	TIME HAU (HOURS) H	ILES	PEARS	-35	- 30 -2	5 -2	0 -17.	5 -15		-10	-7.5	-9	10H (	.7.5	-10	+12.1	+15	•17.1	• 20	+29	-10	• 35
96LOW 1 1 TO 2 2 TG 5 5 TO 10 10 TG 15 15 TO 20 20 TG 20 20 TG 20 20 TG 20	0.34 0.50 0.04 0.00	10.0 11.0 170.0 110.1 171.0 15.4 23.2	16 20 27 19 61				1	1	1 1 3	1 2 1	10	10	10 22		1 1 2	3 3	1	1				
ABOVE DS	2:11	342.1	เห				1	1	•	9	10	95	44	M	10	10		1				
						:	-	PLUS P	100-51	OR #												
ALTITUDE	TIME NAU	ILES	TOTAL PEAKS	-35	-30 -2	5 -20	0 -17.	9 -15	-12.5	-10	-7.5	-9	100 1	7./50	C.1	•12.5	+15	•17.1	+20	• 25	•93	•95
06LDW 1 1 TO 2 2 TO 3	0.10	30.0 31.6 178.6	34 30 21				1			1	2	į	1	11	3	3	1	ı			- 77	50
5 TO 10 10 TO 15	0.34 8.50	110.1	41					ı	ļ	į	10	10	10		l L	,	1					
15 TO 25 20 TO 25 25 TO 30	1.42	949.8 410.7 740.6	31 10 1					1			)	\$	13	1	1		i					
30 TO 35 ABOVE 35	3.15	256.7	23									3	1.6	•								
TOTAL	21.32	104.3	241				1	2	٠	5	22	45	85	44	20	10	•	ı				
ALTITUDE (1000 PT) 00LGW 1 1 TO 2 2 TO 3 5 TO 10 10 TO 15 13 TO 20 20 TO 25 20 TO 25 40 TO 25 TOTAL	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	71CAL 1LES 0. 0. 0. 0. 0. 30. 94.0 53.3 190.1 190.2 0.	TOTAL PEARS 0 0 0 0 0 1 1 1	-35 -	5- -10 -2	160m, 1		AND NO SON MI FOR TH FER SE	GK IMAL UT A/I E ASGN NOTTE	ia i. Vii Pis UDE	01874		100 (F			•12.5	•15	•17.3	•#	•25	•30	• 25
							STORM	C0110	t T LOWS													
ALTITUDE	T(ME NAU!		TOTAL PEARS	-39 -	30 -21	-20	-17.0	-15	-12.5		7.5	-5	ON 17	7.5		12.5	•15	•17.9	-20	•25	•33	-35
8FLOW 1 1 TO 2 2 TO 5 5 TO 10 10 TO 19 15 TO 20 20 TO 25 25 TO 30 20 TO 34 ABOVE 35 TOTAL	0.07 0.27 0.17 0.29 0.00 0.00	10.0 16.7 43.2 51.0 97.6 15.4 23.2 1.4	16 15 3 11 99 0					1	,	1	10	2)	**	;	2	:	1					
							TORR P			00												
MILITAR.	TIME	Les	TOTAL				•••				91972			7./20								
11000 PT	EH "	1	1	-36 -	20 -21	-=	-17.5	-15	12.0	-16"-	7.1	1		7.5	10	12.5	•16	17.5	48		•	
184	H		i					1	,	1	10		1			2						
77 TO 10 17 TO 10 18 TO 10 10	E	72.5	1					•	•	•	••		1	•	•	•	•			-		-
13 8	E# 11		ł									1										
1074	i., 11	M7.1	107					1	•	1	10	24	34	10	3	•	1		-			_

# TABLE DOSE DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE RETUREM KADEMA AB. ORLINAMA AND SAIGON, TAN SOM HOUT A/D, VIRTHAM FOR THE SPRING SEASON

					404-51		34S						
ALTITUDE (1000 FT) BELOW L 1 10 2 2 10 5	0.	MILES 0. 0. 3.	TOTAL PEARS 0 0	-35 -30 -2	9 -20 -17.	.5 -15 -12.5	UDE 01119 -10 -7.5			.12.5 -15	-17.5 -20	• 25	•12 •15
5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 10 30 TO 35	0. 0.17 0.10 0.19	3. 24.5 43.6 44.4 207.4	0 0 0										
TOTAL	3.00	1425.3	1					1					
					3104	IF CONDITIONS							
ALTITUDE 11000 PTI BELOW 1	T[HE (HOURS)	MILES 1.2	PEARS	-31 -32 -51	-20 -17.	15 -12.5	-10 -7.5			•12.5 •15	+17.5 +20	•54	•13 •15
1 10 2	3.10	3.0 36.7 21.3	5										
10 10 15	0.07	23.0	000										
25 10 3. 30 10 35 480VE 33	3. 3.	3. 3.	3										
TOTAL	V.35	45.4	ş										
ALTITUDE:	7186	AUTICAL	TOTAL		510R#	PLUS NON-STO	MM - UDE DISTA	1807:09 1	FT./ <b>SE</b> C.)				
MELOW L L TO 2			PLAKS	-11 -10 -5	-20 -17.	15 -12.5				•12.5 •15	•17.5 •20	•23	•12 •11
2 10 1 3 10 1J 10 10 13	0.10	36.7 21.0 23.5	3										
15 TO 27 20 TO 25 25 TO 31	3.13 3.13	34.5	3										
33 10 35 48046 35 7014L	3.13	237.9 1425.3 1828.3	1					i i					
				DESTRIBUTE	MS OF DERT	VED VESTICAL		CITY					
				\$4	R 408 N	440 440 504 West 4/0	•						
				•		FOR THE MER SEASON							
ALT I TUBE	fint v	AUTICAL	POTAL			044 (0401110	UDE D1314	1001104 11	PT./MC.)				
1100C FT1 06L0m 1 1 T0 2	HOURS!	41LES	PLARS	-33 -36 -25	-20 -17.	9 -13 -12.5	-17 -7.9	-1 -1	• 7. 4 • 10	*12.9 *15	•17.5 •29	• 2 3	• 33 • 35
2 70 3 5 70 15 10 10 15	). U.	3. 3.	á										
25 07 05 25 07 05 25 08 05	3.73	293.7	31										
MOVE 35		95.4				1	•	• 13	1 1	ı			
TOTAL	5.67 2.79	3343-1 3343-1	•			ı	,			1			
1014	3.67	1102.1	5 2		STOR		,	1 10	i i				
4L 111VOE 11363 FT1	\$.67 2.79 7.79 \$186 4 (HQUAS)	99.0 2502.5 3343.1 HAUTICAL MILES	0 23 C 6 63	-15 -12 -21		L M COMOITIONS	UDE 015Th	1 10 1 30 1 30	1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	•18.9 •15	•17.5 •20	•25	•18 •35
AL 11 TUBE 11363 FT I 961 Ou 1 1 TO 2 2 TO 3	7,79  Time 4 (induts) 3.3 4.05 6.33	95.6 2502.5 3343.1 HAUTECAL MILES 9.3 9.3 70.7	TUTAL PEAKS 2 19	-15 -13 -21		t # COMOITIONS 9 -19 -12.9	une olsfe -10 -7.5	1007104 ii	1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ì	•17.7 •20 1	• 255	•18 •15
ALTITUDE 11303 FTI 06L0w1 1 TO 2 2 TO 3 5 TO 10 10 TO 17 05 TO 20	7.79  Time 4 induksi 35 6.05 6.33 3.12 4.17	99.6 2902.3 3343.1 MAUTICAL RILES 9.3 9.3 70.7 30.1 11.3	TUTAL PRAES	-15 -13 -21	-20 -17.	l M COMOTTIONS 9 -19 -12.9	une 015Tm -10 -7.5 1 2	1 10 4 30 1001104 11 -9 49 9 1	1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	·12.5 ·15		• 25	•18 •35
ALTITUSE 113C3 FT I 94L0w I 1 TO 2 2 TO 3 5 TO 10 10 TO 15 05 TO 20 20 TO 25 25 TO 30 26 TO 35	7.79  Time (induts)  J5  4.05  6.33  3.12  1.13	95.6 2502.3 3343.1 MAUTECAL PILES 9.2 70.7 30.1 31.3 3.	TUTAL PEAKS	-35 -33 -29	-20 -17.	t # COMOITIONS 9 -19 -12.9	une olsfe -10 -7.5	10uf10w 11 -9 -9 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	·12.5 ·15		-25	•38 •35
ALTITUDE 11303 FTI 964 Ou 1 1 TO 2 2 TO 3 5 TO 10 10 TO 15 05 TO 20 20 TO 25 25 TO 30	7.79 7 ing 4 inGuAs) 0.05 0.33 0.12 0.13 0.	99.6 2502.9 3. 3343.1 MUTECAL MILES 9.3 9.2 70.7 30.1 31.3	TUTAL PEAKS	-15 -13 -21	1 -20 -17.	in competions 5 -19 -12.5	015 Tin -10 -7.5 1 2 1 3 2 1	10uf10w 11 -9 -9 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	·12.5 ·15		•25	•38 •35
ALTITUDE 113C3 FT3 98.00 1 1 T0 2 2 T0 5 5 T0 10 15 T0 15 15 T0 20 20 T0 25 25 T0 30 30 T0 35 48.00 13 707AL	7.79  TIME 4 (HQUAS)  0.3 0.12 0.3 0.72	95.8 2902.5 3305.1 1AUTICAL MILES 9.2 9.2 70.7 30.1 11.2 3.3 3.3	TUTAL PEARS	-15 -13 -21	1 -2C -17. 1 1 3T -P	1 H COMOTTIONS S =19 -12-5 1 1 PLUS NON-STOI	ung olstn -10 -7.5 1 2 1 3 2 1	100TION (100TION (100	77./38C.1 6 4 77./38C.1 77./38C.1 77./38C.1	1 •12.3 •15 1 2 3 1	1		
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ALTITUDE 113C3 FT3 94.0w 1 1 10 2 2 15 5 5 70 10 15 70 25 25 10 50 26 70 25 25 10 50 26 70 25 26 70 25 27 10 50 46.0W 13 707AL	7:07 7:79 7:79 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:1	91.0 2 902.3 3 303.1 3 303.1 1 4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	TUTAL PRAKS 2- 19 20 21 20 20 20 20 20 20 20 20 20 20 20 20 20		1 -20 -17.	1 COMDITIONS 5 -19 -12.9 1 1 2 PLUS NON-STOI 9 -19 -12.9	UDG 015TH -10 -7.5 1 2 2 1 2 1 4 0 8H UPG 015TH -10 -7.3 1 2 1 2 1 2	10ution (1 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9	771.758C.1 107.3 010 107.3 010 107.3 010 107.3 010 107.3 010 107.3 010 107.3 010 107.3 010 107.3 010	12.3 -15 1 2 3 1 -12.5 -15 1 2 3 1	1		
ALTITUDE 113C3 FT3 98C0w 1 1 T0 2 2 T0 5 5 T0 10 15 T0 20 20 T0 23 20 T0 23 20 T0 23 20 T0 23 480VE 35 T0TAL ALTITUDE 11800 FT3 1 T0 2 2 T0 5 5 T0 10 10 T0 15 1 T0 2 2 T0 5 3 T0 10 10 T0 15 1 T0 10 10 T0 15 15 T0 20 20 T0 25 27 T0 20 27 T0 25 27 T0 20 27 T0 25 27 T0 20 27 T0 25 27 T0 20	7:00 7:70 7:70 7:100 1:00 1:00 1:00 1:00	95.0 2902.5 3303.1 3303.1 MILES 9.2 70.7 30.1 51.3 3.3 100.0 MILES 9.0 9.2 70.7 30.1 100.0	TUTAL PEAKS 20 10 10 10 10 10 10 10 10 10 10 10 10 10		1 -20 -17.	1 COMDITIONS 5 -15 -12.5 1 1 2 PLUS NON-STOI	UNG 015TH -10 -7.5 1 2 2 1 2 1 4 6 8H UNG 015TH -10 -7.2 1 2 1 3	10ution (1 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.12.3 -13	1		
ALTITUDE 11263 FT1 94.0w 1 1 1 10 2 2 15 5 5 70 10 15 70 15 15 70 25 25 10 50 26 70 25 26 70 25 27 10 50 46.0W 15 70744 ALTITUDE 11000 FT1 11 10 2 2 10 5 5 70 10 11 70 2 2 10 5 5 70 10 15 70 2 15 70 10 15 70 15 15 70 10 15 70 2 15 70 10 15 70 2 15 70 10 15 70 15 15 70 2 15 70 2	7:07 7:79 7:79 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:100 7:1	91.0 2 902.3 3 303.1 3 303.1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TUTAL PRAKS 2- 19 00 00 00 00 00 00 00 00 00 00 00 00 00		1 -20 -17.	H COMOTITIONS  9 -19 -12.9  PLUS NON-STOI  1  1	UDG 015TH -10 -7.5 1 2 2 1 2 1 4 0 8H UPG 015TH -10 -7.3 1 2 1 2 1 2	10ution (1 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12.3 -15 1 2 3 1 -12.5 -15 1 2 3 1	1		

# TABLE DISC DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE SETHETH RABEMA AS, ORINAMA AND SAIGON, TAN SON MAJE A/O, VIETNAM FIRE THE HONTH OF JANUARY

## 10N-5104# CONDITIONS

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ALTIT 1100C DEL 0 1 10 2 10 5 10 10 10 15 10 25 10 25 10 30 10 AROVE TOTA	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		YAUTICAL 1 MILES 3. 0. 3. 12.0 10.1 01.0 1940.2 0.	TUTAL PEARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•11 •1	ic -24	-36	-17.3	-19	12.5	-10	015T	9 10071 -3	104 1	PT./S4 •7.5	•10	•12.4	•15	•17.9	• • • • •	•33	•3) •11
								5104#	COMO	11045												
ALTIT 11332 RELO 1 TO 2 TO 3 TO 15 TO 23 TO 25 TO 30 TO 4004E	10 13 23 23 30 33 35 35 35 35 35 35 35 35 35 35 35 35	Time (mgun) J. 13 J. 34 U. 13 U. 13	HAUTICAL HILES 9.0 9.0 97.0 91.0 19.0 23.2 1.4 3.0 10.1	PEARS 11 10 2 6 93 U 2 6 93 U 2 6 93 U 2 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	-31 -3	9 -25	-50	-17.9	1	12.5			1907	1 10	FT./SR		*12.5 1 1	1	•17.3	• 10	•25	•15 •15
AL TIT (1000 0 EL 0 1 TO 2 TO 3 TO 10 TO 13 TO	# 1 	11mq (+60m) 0.33 0.34 0.16 0.15 1.37	3.5 3.0 0.0 27.0 51.0 20.2	101aL P1463 11 12 2 4 53	-11 -1	0 -33			-15 -		U04	01570	2 4 2 2 9	DA 1	77./30	12	12.1	1	•17.3	•20	. 25	•33 •31
25 TO 30 TO 480VE TOTA	35	3.19	43.0 1944.2 6. 1753.7	•13 0					ı		١	12	1•	24	13	)	•	,				
					015781		FOR 6 60%	THE STAN SE	ROUTE AB, U AND ON NHU OR THE OP FEB	1 10 AL 06 T WE: R 14 AW T A/D:	. VI		K ITY									
							NO	m-310		01710												
ALTIT 11000 9610 2 TO 2 TO 15 TO 20 TO 20 TO 20 TO 20 TO 20 TO	10 10 10 10 20 20 20 20 20 20 20 20 20 20 20 20 20	Time industs 2. 5. 6.18 9.11 3.77	MAUTICAL 1 MILES 3. 3. 9. 49.3 49.3 49.8 1997.8	PRA'S 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0	-11 -1	3 -10	-36	-17,9	-15 -	12.5	ube - 1.0	01514	1	0m (f	7.3	(.) •10	14.5	•19	•17.5	• 20	• 29	•32 •35
								5 T QR 4	COMOL	11045												
ALTES (1003 0010 1 10 2 10 2 10 10 10 10 10 25 10 26 10 26 10 26 10	-** 252525	11mg (HQUAS 0.36 0.36 0.07 0.13 0.	**************************************	101AL PRA45 3	-35 -3	-29	- 10	-17.5	-19 -	12.5			1 0 J 1   -9 1 2	CN	7.3	.10		•15 •	17.3	•10	•25	•1) •11
1014		2.14	155.4	Li						1		ı	•	٠	1							
							\$ 7	rina Pi	US 1404	- 5 101												
AL TIT 1100C 88LD 2 TO 2 TO 3 TO 10 TO 20 TO 20 TO 20 TO	PT) 10 10 15 20 25 30 35 39	71MG 11MDURS 0.00 0.34 5.23 3.27 6.13 0.12 3.11 3.77 0.	VAUTICAL 1 MILES 10.3 11.0 31.0 23.4 40.2 49.3 49.3 1597.5 0.	TOTAL PEARS 3 1 1 2 0 1	-31 -3	. 41	•	-17.9		12.9	UFE		100110 -9 1 2 1		1./100		12.1	.19 -	17,5	-20	-11	•32 •35
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# TABLE DOAG OF DERIVED VENTICAL OUST VELO FOR THE ROUTE DETWEND RADETA AB, ORINAMA AND UNIT A/D, VISTAGE ROUTH OF MARCH

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				MOM-21044 (	CHR (1 (CH)					
ALTITUDE 11003 FT1	TIME NAUT		-35 -35 -25	-20 -17.5 -15		1919UT104 17		18.5 -15 -17.5	*** ***	• • • • • • • • • • • • • • • • • • • •
1 70 2	3.	3.								
2 TO 1 5 TO 13	5. e.	3. 3. 8.								
15 10 26	1.10	14.5 0 13.6 0								
25 TO 30 30 TO 35	U.46 M	1.								
1074						ì				
				STORM COM	DITIONS					
41.717400	TIME NAUTE		-35 -32 -45	-20 -17.5 -15		14 1001 104 17				
984 0w 1	u.01	1.2 0	***********	-44 -11/11 -11					***	, .,
2 10 3	0.37	11.3 3								
10 10 15	C.	3. 0 3. 0								
25 10 30 30 10 35	0.	3. 3.								
1014		3. 3 19.6 J								
				STORM PLUS	MO4-5 7 CB m					
44 111000	11M9 NAU11				UNE 9.51		./38C.1			
11003 711	3.41	1.1 0	-11 -13 -13	-20 -17.9 -19	-12.5 -10 -7.5	-	1.5 -10 -1	12.5 +15 +17.5	. 10 .14	•10 •11
1 10 2	0.10	1.0 10.7 11.3								
10 10 10	6.07	18.7								
10 10 11 10 10 11	6.17	10.6 0 10.4 3 17.6 ?								
480vt 51	1.11 14	9.3				1				
			015791807:09	TABLE S OF DERIVED VI	PRIICAL GUST VEL	00114				
				FIRE THE ROUTE EADING AB.						
			141	60m, TAN SON NO FOR TO	et .					
				MINITH OF MON-STORP CO	JUMP Constitutes					
44.711006	-				U00 0151					
00Ltm 1		0. P1445	-31 -36 -51	-20 -17.5 -15	-17.1 -10 -7.1	-1 -1 -1	. • • • • • • • • • • • • • • • • • • •	2.4 -15 -17.5	.50 .11	• • • • • • • • • • • • • • • • • • • •
3 10 3	0.	0. 9								
15 77 19	6.51	3. 3								
25 10 35 25 10 35	0.10	18.6 : 17.1 0 14.8 23				1 11				
40041 35 10144	4.	H. 9 20				) ()	•			
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ALTITURE	-				une pist	418UT104 (FT	./8(5.)	<b>.</b> .		
1 10 5		6.5 PAAS 6.5 12 5.1 0	-32 -35 -53	1 - 86 - 17.9 - 15	-12.9 -10 -7.9	-	,	1 -11 -17.5	.13 .11	•10 •11
1 10 10	0.20	10.1		•	•	• •	i	1		
19 10 19	C+27 I	3.0								
20 10 25 25 10 35	٤.	3. 0 3. i								
400YE 35		0. 5 7.0 22		ı	1 1	1 2		2		
				STORM PLUS M						
A 111000 11000 FT1	1181 HAUTE				U04 0151	418UTTON (FT				
1 000 FT1	0.03	83 P4443	-33 -30 -35	-20 -17.5 -15	-12.9 -10 -7.9	-		5'2 -12 -11'2	•30 •31	•13 •11
1 10 10	0.30			•	•		ί '	ı		
10 10 11	0.07	7.4								
23 TO 30 30 TO 35	0.16	7.1 0				, 13				
1014L	••	1.0		ì	1 1		12 😘	Ł		

# TABLE DOSI DISTRIBUTIONS OF BEATVED VENTICAL GUST VELOCITY FOR THE BOUTE BETWEEN RADFOR AS, ORINAMA AND SALGON, TAN SOM MOST A/P, VICTORN FOR THE

### ION-STORM COMBITIONS

44 11 1400	1100	MAUTICAL	1014						MARK			100		1.30							
11 200 011	-		PEARS	- 99	- 40 - 24	-20 -17.		-12.4	- 10	-7.4	- 8		. 7. 4	.10				. 20			
967 Cm 1	1.								•••										-		
1 10 1																					
1 10 3	••	• •																			
1 10 10		••																			
10 10 11			•								_		_	_							
12 10 50	1.00	423.7	31				· ·			9	•	19	1			•					
20 10 75	0.01	240. L	•											ı							
29 10 30	3.37	26.7																			
30 10 35	2.54	4147.7	3																		
400YE 11																					
TOTAL	4, 10	1 040 . 2	43							•	•	10	•	•		, k					
						1100		011109													
1.000	2222	LEGG.							S.,				52								
AL 111000	1146	MANITEM	1014			- 20 -17.				9131	BISOL	100	* 1 . / 3								
13000 711			PEARS	-33	-30 -34	- 20 -17.	3 -12	-11.7	- 10	- 7. 5	-	• •	• 7. 4	*10				*14		***	
061 Cm 1	0.01	3.0	•								•			•							
1 10 5	0.02	4.0	3							1			1		;		1				
\$ 10 \$	0.13	11.5	24					L.	ı	•	•		•			ı					
1 10 13	0.07	20.0	•							ı											
10 10 15	0.00	20.4	•																		
10 10 10																					
20 10 25	0.																				
25 70 30	0.		ě																		
30 10 35			i i																		
480YE 35	i.																				
19144	0. 18	89.0	99						•	•	•	11		•	•	ı					
						1 7004	De 445	4.0													
ALTITUDE		MAUTICAL	TOTAL					-12.5			-	100	71./N								
11000 711	INChes I		PRAIS	• )	-30 -52	-10 -17.	A -10	-17.3	-10	-7.9	-	• •	• • •	.10	.11.4			. 5.0	.11	*** ***	
1 100	0.00	3.0	•							_	•			•			_				
1 10 5	0.01	4.0													- 1						
1 10 1	0.13	33.3	30							•	•	•	•								
9 70 10	0.07	20.0	•							ı	ı			ı							
10 70 15	8.00	20.4	•								1	3									
- 15 10 20	1.00	423.7	3.2							•		13		•		1					
20 10 20	0.01	140.1	•									7	1	l.	;						
20 10 10	0.07	20.7	•																		
M 19 11	2.54	1147.7	3									•									
400VE 16	0.		i																		
1014	4.43	1937.2					ı		3	•	14	10	11	13	•		1				

# TABLE DOSA DISTRIBUTIONS OF BERIVED VERTICAL BUST VELOCITY FOR THE ROUTE SETMEN TORRESON DE AROST AB. SPAIN AND DHAMRAN A/D, SAUDI ARABIA

				HON-STORM	1110403	\$												
44 111006	TIME VAUTE		12 12 11	-22														
967 Lm 1		. 3	-11 -10 -11	-20 -17.5 -1	12.5		, ,	•	• •	•1.5	.10	.18.5		• [ 7 . 1	53	.,,	• > •	• 15
1 10 2																		
10 To 13																		
19 10 20	0.37 117					1	1	1	;	- 4								
25 10 36	0.13 140	. 1 0				,					,							
700A6 34	14.13 4100	0						17	100	21		1						
TOTAL	90.31 0101	.0 347				•	17 1	11	171	9.3	1	1						
				STORM CO	20171045													
44.111000	THE NAUTIC					une i	15141	Buti	104 (		ec.1							
11000 FT1	3.32 3	S PEARS	-11 -10 -34	-30 -17.4 -19	1 -17.4 -1	10 -1	. •	- 9		.,,	-10	.12.3	+13	+17.3	+20	. 5.	+1)	13
1 10 2		· i i					,	15	13	ı	ı							
3 10 13	0.42 119	. 2		ı			i	1	1	į	,	ı						
14 10 1	. ,			•	•		•	•	•	•	•							
20 10 23		. 0																
10 10 15 ABOVE 15	(, )	: :																
10141	1.10 107				1		•	17	1.	,	,	•						
				-	NON-5104													
AL 111000	-						15141											
881.04 1		S PRAKS	-30 -35 -51	- 10 -11.5 -15	-12.4 -1	0 -1	••	- 4	• •	• 7.5	•10	.12.5	•15	.17.3	.10	+25	• • • •	**
1 00 1	0.10 16	. 1					,	A E	11									
10 10 13	110	.2 .			ı			1	1	2		ı						
15 10 2.	111	.5 10		•	•	l .			•	- i	•	•						
25 to 25	10.11 000	. 9				,		17	100	- 27								
400VE 35	21.24 2001			1					107	17	•	,						
10130	11111			•	•	•	••••	, .		•	ľ	•						
				TORRESTON DE ARE TORRESTON DE ARE OHAMBAN A/D. FOR E SPRING 1	54001 444 14504	181 A												
ALTITUM	TIME NAUTE					M 0	15741	MITI	ON 11	71./30	16.1							
1104: F1)  01404 1 1 10 2 2 10 1 3 10 1 16 10 1 15 10 2 26 10 2 25 10 2 35 10 3 36 10 3	1HOURS   HILE 6. J 7. J 1. J 1. J 1. 13 SS 1. 15 SS 2. 16 SS 2. 17 SS 2. 18 SS		-34 -344	·K •11.1 •11	-11.4 -1	0 -1		•				. 12. 3	•15	•17.3	•10	•11	• • • •	**
400V4 35	1,04								130	,,	,	-						
	****					•	•			• •	•	1						
				21044 COM	2001110													
11000 PT1	TIME YAUTIC		-33 -32 -25	-20 -17.9 -19	-12.5 -1	04 D	13791					12.1	•15	.17.5	. 28	.25	•10 •	
1 10 2		3 3						ı										
1 10 10	6.19 34						l l	i		,								
15 10 15	1111	. 0					•		-	•								
20 TO 25	į: į	. •																
30 10 33	. 0	. 0																
1014	6.97 100	. 15						\$	•									
				STORM PLUS	404-\$1m4													
ALTITUDE	TIME NAUTIC	AL TUTAL			U	04 p	istate	WTH	DN 17	7./30	C.1							
11000 FT1	INGUAL) ALLE		-30 -30 -12	-20 -17.5 -15	-12.5 -1	0 -7	. 1	•		1,4	•10	11.5	•15	.17.5	• 10	.11	•13 •1	3
1 10 4	6.19						ı	1										
5 70 10	0.10 46	. 7					i	•	•									
10 10 15 10 10 27 20 10 25	1.15																	
25 10 34 30 10 35	6.19 63	1				,	14 19		134	27	,	1						
450VE 31	16.51 4474	. 0								29		•						
							10 11		100	44	2							

AL 7: TUBE (1:000 PT) 001.00 1 1 TO 2 2 TO 5 5 TO 10 10 TO 15 10 TO 20 20 T	74mg (mb/ms 0. 0. 0. 0. 0. 17 0.19 0.10 0.00 0.74	MAUTICAL 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	707 AL POARS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-59 -10 -25	-20 -17.5 -	15 -12.5	10 L		-1	100	•7.5	*10	•12.9	•15	•17.9	• 20	-21	•16 • 14	•
					\$100 a CO	2001110M	3												
ALTITUDE (1000 FT) 06LOW 1 1 TO 2	11ME (HOURS 0. 0.04	MAUTICAL MILES 3.	101AL	-15 -10 -25	-20 -17.5 -1	19 -12.9	<b>U04</b> - L0	01578 -7.5	-9	104 (	PT./8	*L9	•12.5	•19	•17.9	-20	•11	•10 •11	,
\$ 70 10 \$ 70 10 10 70 15	0-17 0-20 0-14	34.1 71.2 49.1	17		t	ı		•	į	13	•	s r	1						
20 TO 20 20 TO 30 ABOVE 33		1. 1.																	
10146	0.42	142.4	14		1	ı		•	15	11	•	1	1						
					1104# PLU1	10000-510													
ALT LTUDE	TIME	HAUTICAL	TOTAL				U04	DISTR	1001	104 1	71./50	16.1							
11000 PT1	IHOURS I	******	PFARS	-34 -36 -53										.19	. 17. 5	.10	+11	.30 .39	ı
1 10 1	0.04	4.4	•																
1 10 10	0.17	73.2	1,					- L		13	ı	1							
10 10 11		40.1	21		ı	4			1		•		ı						
15 10 20	0.17	41.0	14		-	à.		1	1	•			-						
29 10 29	0.10	77.5	7					ı	3		ı								
20 70 34	4.87	P190.0	13						•	•									
1014	10:73	1935.0	4		i	1	ı	•	*	37	•	•	1						

TABLE DISA

DISTRIBUTIONS OF PERIVED VERTICAL GUST VELOCITY
FOR THE ROUTE BETWEEN
TORREJON DE ARODE AB, SPAIN
AND
JIM MAAN AFD, SAMOE ARABEA
FOR THE
MONTH OF APRIL

NON-STORN CONDITIONS

					10030-57	DAM COMBITT	CMS								
ALTITUDE 11000 PT1 001 CM I 1 T0 2 2 T0 5 5 T0 10 10 T0 17 15 T0 20 20 T0 21 25 T0 30 40 T0 25 T0 TAL	71M0 (HOUMS) (U. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	940/FICAL MILES 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	TOTAL PEAKS 0 0 0 0 0 0 115	-19 -10 -19	-20 -17.	9 -19 -18.9	•	••	10H (P	7.5 +10 7.5 +10	•12.9 •1	3 +17.3	*\$0 *\$*	•13 •	>>
					\$100	n COMDITION	e:								
ALTITUDE (1300 PT) (1300 PT) (1000 PT) (1000 PT) (1000 PT) (1000 PT) (1000 PT) (1300 P		AUTICAL RELES 0.3 31.0 39.3 32.0 0. 0. 0.	701AL P04RS 0 1	-15 -10 -25	•		U00 0111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10m (P	7./98C.) 7.3 -10	*12.9 *1	> •17.5	•10 •13	•30 •3	<b>11</b>
						PLUS NON-11									
ALTITUDE 11000 FT: 00100 L 1 TO 2 2 TO 3 2 TO 10 10 TO 20 20 TO 20		17 ICAL N. 18 8 2. 2 31. 9 39. 9 30. 9 30. 9 30. 9 30. 9 30. 9 30. 9 30.	7074L P844S 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-11 -10 -21			U00 0151	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00 (P)	Y	•18.9 •1			-10 +1	)1

# DISTRIBUTIONS OF DERIVED VERTICAL SUST VELOCITY FOR THE ROUTE BETWEEN TORREJON DE ARDOL 40. SPAIN AND DMAMA 470, SAUDI ARRELA FOR THE MONTH OF MAY NON-SIGNE CONDITIONS

						NON- ST	144 (0401	11042											
41 11 TUDE		VAUTICAL MILES	PEARS	-35 -35	-25	-20 -17.	-19 -12	UNE	0157	RIBUT	104 6	*1./5	10 ·10	.12.	13	+17.5	• 20	•25	•30 •33
1 10 /		). ).	v																
1 10 10		3.	5																
10 10 11 19 10 2.	0.38	10.4	5																
25 10 33 36 10 35	6 9	21.1 1741.0	170					,	•	91	10	20							
TOTAL		1001.2	176					,	•	31	•3	\$0		ı					
						1.704	C040171	Part.											
AL TETUDE		RAUTICAL	T01 AL					une	DIST	RIBUT	104 (	*1./1	ec. 1						
BELOW L		2.	PPARS	-13 -37	-11	-11- 61-	-19 -12	.4 -10	-1,1	-1	• •	• 7 . 5	*10	•18.	• 15	•17.5	• 20	• 25	•13 •15
1 10 2 2 10 3 3 10 10	0.33	1.4	į						i 1	•		,							
10 10 19	4	19.3	į																
20 10 21	٠.	۱. ا	3																
10 10 10 10 10 10 10 141		j.	,						,	ı		,							
13120	3112	,,,,	•						•	•	•	•							
						11049	LUS 404-			11901									
4111100 11016 FT 44404 1	1 14045	HAUTICAL HILES	PEAKS	-35 -30	-34	-20 -17.	-14 -13			-1	+3	7.5	•10	•18.5	+19	. 17. 5	.10	+54	•11 •11
1 TO 2		1.0	3						ı	ı									
10 10 13	0.03	13.0	9						ı		٠								
20 10 20 20 10 20 20 10 10	6 . 19	10.0	9																
33 10 31 ABOVE 31	3.48	1741.0	176					•	•	*1	•0	53	1						
TOTAL	4.24	1439.5	105					,	н	45	**	11	1	١					
						PARHAND PARHAND HTPDM	AND	18, 5P4   48481 											
AL TITUDE		-	TOTAL					MOR	0151	LOUT	104 1	11./5	ec.1						
11936 F1 BELOW 1	0.	) MILES	71485	-35 -30	-21	-20 -17.5	-14 -18	1 -10	- 7.5	-,	••	• 7 . •	•13	•17.3	• • • •	*11.5	•**	***	*17 *19
2 10 1	6.																		
10 10 11	0.17	•1:•	1					1	ť	4	;	2							
20 10 21 21 10 10 30 10 31	6.10	72.5 77.5 2136.7	,						•		·	·							
4804E 31	10.11	4377.1	34					ı	3	14	19	•							
						1704	C0401710	<b>201</b>											
44 111004	11mg	VAUTICAL	1014L	-39 -30	- > >	-20 -17.1		U08	0157	-5	104	1./1	FC.1	.12.1	•15	•17.5	. 20	.25	.10 .31
801.0m 1		ALLES	-	-31 -30	-4.	-26 -1711	-17 -14				.,						•		
1 10 1	0.17	13.3	*						1	•	13	1	1	,					
10 TO 15		3.	- "			1	1	1	•	•	•	•	•	•					
25 10 31	: ::	:	3																
1014	3.42	143:0	,			ı	1	١	•	19	8.8	•	,	ı					
						370AR F	LUS 1011-1	TORR											
4 11100	1140	-	-	-11 -10	-24	-20 -17.5	-19 -12	UDE - 10	0157	1001	Lon II	PT./S	ec.1	.12.5	•15	•17.5	• 20	.25	.33 .35
1 10	9.,4	::	ż				•••								•				
3 10 1	0.17	34.1 73.7 49.1	77				1	1	1	i	1	1		ı					
15 TO 25		72.5	14			1	•	1	i	i	į	i	•	•					
10 10 11 19 10 21 20 10 21 23 10 30 20 10 31 40040 30	***	2130.9	13						Ī	•	•	-							
1914	12.73	*****	*			i	į	k k	•	29	37	•	•	L					

# TABLE DISA DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY FOR THE ROUTE BETWEN DOW MILANG A/D, RANGRUR, THAILAND AND NEW DELME/PALAM A/D, INDIA

				N()N-5T	ORM COMOTI	1045											
RELOW 1 1 TO 2 2 TO 3 5 TO 12	TIME VAUT IMOURSI MI S. J.	3. 0 3. 0 3. 3	-15 -30 -25	-20 -17.	9 -19 -12.	UDI .5 -10	-7.5	**************************************	104 1	F1./50 •7.5	•12	•12.	• • • • • • • • • • • • • • • • • • • •	+17.5	• 23	•25	•12 •11
10 10 15 15 10 20 20 10 25 25 10 31 30 TU 35 AROVE 35 TOTAL	0.53 2 59 2 7.93 33	3. 0 68.6 1 13.9 0 49.7 . 15.4 10H 92.1 95		l l	2 1		7 9	33	1 34 34 107	3	?		1				
				STORP	CONDITIO	NS.											
ALTITUDE	TUAL THIT					UDE				11.75							
RELUM 1		LES PEARS 6.3 S 6).4 65		-20 -17.5	, -1, -12. ;	l.	-7.5	-9	•	17	10	12.5	-11	17.5	• 73	• 75	•13 •15
2 10 5 5 10 12 13 10 15 15 10 2 20 10 25 25 10 32 30 10 35		96.3 154 77.7 53 91.5 12 15.1 C 16.6 3 14.3 2			1 2	1	16	12	11	**	1)	ì	í	,			
TOTAL		14.2			1 .	4	23	34	•)	••	27	11	٠	•	1		
				5104# P	LUS NON-S	TOR M											
46111UM	11M1 NAUT	ICAL TOTAL	-14 -30 -24	-20 -17.5	-19 -12.			A I NUT		1./51		+12-5	+13	. 17. 4	• 70	. 23	•12 •11
1 10 10 2 10 10 1 10 10	28 28 28 86	6.5 5 10.9 65 16.5 199 77.7 53			1 5	1	10	14	33	17	10	1	1 2	ļ	1		
25 10 25	1.17 /	14.3 1 17.4 0 14.0 7							ı								
ARCHI IN TOTAL	1.13 10	11.1 128 16.3 95 17.1 474		ì	1 1	13	,;	11 29 119	34	3è	2)1	ıı	•	,	ı		
			00	N MUANG A/D NFW DELHI/ F	4 NO	, THAI											
				NUN-510	AM COMO 11												
ALTITUDE ILDUC PTI BELDS I	THE YAUTI		-11 -15 -21	-20 -17.5	-15 -12.					7.5		12.5	+15	17.5	. 20	.21	.17 .15
1 10 2 2 10 3 3 10 13 16 10 13 15 10 23		3. 6															
23 13 25 25 10 5. 31 10 55 4 0VF 35 1014L		18.5 0 17.7 3 19.1 1 12.2 5					4	;	l k	?							
				\$100 m	COMBITION	15											
AL 111006	TIME SAUTI		-35 -30 -25	-20 -17.5	-15 -12.5			18011		1./500		12.5	.15 .	17.5	20	• 25	• >> • >> • >>
1 10 3	5.19 1	2.0 0			ı			,		•	,	,	1	ı	•		
3 10 15 10 15	0.22	3.2 PC			7 1	,	î	17	27	?	1	ì	1	,			
15 10 23 20 10 25 25 10 50	64 I	5.3 C 6.6 O															
12 10 35 480VE 35	1.39 4	1.6 0				_											
10146	2.00 Loc	#+0 FSS			1 1	,	11	24	17	1.	11	•	,	,			
ALTITUDE	TIME YAUTE	CAL PUTAL		STORM P	LUS NOM-SI		01574	1 8447 1	ne 11	1./580	.1						
0610m 1	0 71 410	ES PEAKS	-35 -35 -25	-20 -17.5				- 1	•••	1.5	10 .	12.5			20	. 25	• 37 • 13
1 10 2 5 10 13	3:11	0.2 TO			1	2	•	ij	2		7	1	ł	ļ			
10 TO 15 15 TO 20 20 TO 25	(.17	1.7															
25 10 10 30 10 35 ABOVE 35	1.34 49	2.6 8 2.8 1					,	,	i								

Wy sount/Palan a/o. ineta Pon THE NAMES SAASS

MON-STOAM	COMPITIONS

					HON- 5 TO		ONE												
ALT TUBE (1000 PT) 80LOW 1 1 TO 2 2 TO 5		MAUTICAL MILES 0. 0.	TOTAL PEARS	-35 -36 -4	15 - <b>20</b> -17.5	-15 -12.5	-10	0137 -7.5	* 1001 -1	*10H (	PT./98 •7.5	•10 ·	12.9	*14	•17.	6 3	•••	•38 •1	_
\$ 70 18 10 70 19 15 70 20 20 70 25 29 70 30	6.33 6.33 6.41	127.0 142.1 101.0								1									
36 TO 35 ABOVE 35 TOTAL	7.71 5.02 13.92	3413.3 2320.0 6207.4	197 90 198		ı L	1	:	.1	27	33 39 100	;	3		1					
					STORM	C04017100													
ALTITUDE			PEAKS	-35 -30 -2	5 -20 -17.5	-19 -12.9	-10	0187 7.8	-1 -1		77./38	*10		•15	•17.5	+20	+25	•38 •1	8
1 TO 2 2 TO 5 5 TO 10 10 TO 15 15 TO 20 20 TO 25	6.13 6.43 6.43	19.3 79.8 113.6 150.5	30 00 13 12			1	1	1.0	19	20	19	,	•	1		1			
25 TO 30 30 TO 35 ABOVE 35 TOTAL	1:.,	102.4	140				,		••										
101.00	1.43	,,,,,	1.40			3 LUS 40N-27F		12	10	44	34	10	,	ı		1			
ALTITUD'S		MAUTICAL	TOTAL	-35 -30 -2		-15 -12.5	VOE	01571 -7.5			7./50								
9 PL OH 1	0.03	19.2	3	-31 -30 -2	3 -20 -17.3	ı	I.	1	-9	,		7	ı		•17.5	1	+25	•33 •3	•
2 70 3 3 13 10 10 70 15 13 70 20	0.49 0.49 0.49 6.33	95.4 112.6 150.5 122.0	13			1	1	10	15	20	77	٠	•	1					
20 TO 25 25 TO 30 30 TO 35 480VL 35	0.41 0.45 7.71 5.02	162.4 192.0 3412.3 2320.0	197		ı	i	1	7	33	33	;	2		1					
TOTAL	15.35	4992.0	344		1	•	11	23		174	30	10	3	2		1			
					ONS DF DERIV FOR THE I ON MUANG A/D NEW DELNI/I MONTH (	ROUTE BETWE , BANGKOK, AND PALAM A/D, DR THE	EN THAIL INDI	AND	K ITY										
ALTITUDE (1900 PT) 01.00 PT) 01.00 PT 10 P			TOTAL PEARS 0 0 0 0 0	-15 -16 -2	5 -20 -17,5	-15 -12.5					7.5		12.5	•19	•17.5	•20	•25	•30 •39	
					STORM	COMBITIONS													
ALTITUOF (1000 PT)	IMMUNSI	MILES	TOTAL PEAKS	-35 -30 -21	-30 -17.5	-15 -12.5	UDE -	DISTA 7. 1	-5	04 (F	T./\$85		12.5	-15	-17.9	•10	-25	•33 •31	
1 10 2 2 10 3 3 10 10		13.4 20.9	28 17			1		•	:	;	1	;	2	1	1				
5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30 30 TO 35 ABOVE 35		***																	
1814	:: >*	·:.	"			1		•	17	10	10	•	•	2					
ALTITUDE		MAUTICAL	1074		STORM PL	.US NEW-570			104	<b></b> 40	T./880								
11000 PT1	INDVAS I	AILES	PEARS	-39 -90 -81	-80 -17.5		-10 -	7.5	-9	• • •	7.8	10 +1		•15	17.9	• 20	48	•39 •30	
1 TO 2 2 TO 5 9 TO 10 10 TO 15 15 TO 20 20 TO 75 20 TO 20 30 TO 30 30 TO 30	0.01 0.01 0.01 0.01 0.01	13.6 20.7 27.0 23.0 31.0 31.6	17			•		1	Í		ì	;	;	ì	i		-		
30 TO 30 400VE 35	0.14 1.74 1.40	30.2 60.6 1210.6	i			1		1	ıl	11		•	,	1		-			

# See and the section of the section o

HEW DELHI/PALAN A/D, THOTA

ALTITUDE	TIME	NAUTICAL	TOTAL									v	DE 011	T	UTIC	DN	(FT./	sec.								
(1000 FT)	INDURS	MILES	PEARS	-35	- 30	-25	-20	-17	. 5	-15	-12.	5 -1	9 -7-5		5	.5	+7.5	1	. +13	1.5	+15	+17	. 4	20	.25	 
BELOW 1	0.	0.																			•					 
1 10 2	0.	0.	0																							
2 10 5		D.	0																							
5 TO 10		٥.	0																							
19 TO 15	0.	٠.																								
15 TO 20	0.04	14.8	•																							
20 10 25	0.04	17.0	0																							
25 TO 30	0.05	21.5	9																							
30 TO 35	0.10	42.4																								
ABOVE 35	1.20	561.5	•																							
TOTAL	1.51	657.3	0																							
								\$10	AM (	COME	01110	MS														

						3 TUNI	-		•										
AL TETUDE	TIME	PASTICAL	PATEL								R   BUT								
(1800 FT)	THOURS I	MILES	PEAKS	-35 -30 -2	5 -20	17.5	-15	-12.5	-10	-7.5	-5	+5	+7.5	. 10	.12.5	+15	+17.5 +26	+25	+33 +35
BELOW I	0.01	2.0	0																
1 10 2	0.05	8.1	7								2	3	2						
2 70 5	0.17	39.3	53					L	2	•	11		•	4		1	ı		
5 10 13	0.12	37.2	•				1				3	1	2	L.	1		•		
10 10 15	0.08	27.9	0																
15 TD 20	0.04	15.3	0																
20 10 25	0.34	16.6	9																
25 TO 30	0.23	14.3																	
30 10 35	0.40	3-1.6	U																
ABOVE 35	1.00	474.2	0																
FOTAL	2.45	962.6	69				1	1	2	•	14	21		•		1	1		

1 1 2 6 16 27 8 9 1

					STORM	PLUS A	10 H- S T	ORM										
ALTITUDE	TERE	MAUTICAL	TOTAL					UDE	0157	RIBUT	104	FT./8	€C.1					
11900 FT1	(HOURS)	MILES	PEARS	-35 -30 -2	-20 -17.	5 -15	-17.5	-10	-7.5	-5	• 5	.7.5	.18	.12.5	+15	+17.5 +29	+25	+30 +35
BELOW 1	6.31	2.0																
1 10 5	0.05	0.1	7							2	3	2						
2 10 5	3.17	39.3	53				1	2	•	11	23	4	4		1	1		
5 TO 10	0.12	37.2								3	1	2	1	ı				
10 70 15	3.00	27.9	8															
15 10 20	0.00	30.2	0															
20 TO 25	0.06	33.5	0															
25 10 30	9.00	35.8	0															
30 TO 35	0.90	390.2																
ABOVE 35	16 78	1035.7	0															
TOTAL	1,00	1639.9	69			ı		2	•	1.	2 (	•	5	1		1		

TABLE D34f
DISTRIBUTIONS OF DERIVED VERTICAL GUST VELOCITY
OR THE ROUTE DETWERN
DON RUANG A'D, BANGORG, THAILAND
AND
NEW DELMI/PALAM A/D, ENDIA
FOR THE
HOMIN OF JULY

HOM-STORM COMDITIONS

ALTITUOL 1| HE NAMITICAL TOTAL (1988 FF) | INDUSTRIBUTED (FT./SEC.) | INDUSTRIBU

# TABLE DIAG DISTRIBUTIONS OF DERIVED VERTICAL SUST VELOCITY FOR THE ROUTE DETUGEN DON HUARS A/D, BANGROK, THAILAND AND HEW DELH!/PALAN A/D, INDIA FOR THE HONTH OF AUGUST

### HO4-STORM COMO!TIOMS

					404-21	DEN COMO:	LIDAR								
ALTITUDE 11000 FT1 BELOW 1 1 TO 2 2 TO 5	TEME (HOURS) 0. 0.	MILES 0. 0.	TOTAL PEAKS	-35 -30 -2	3 -20 -17.	3 -19 -12	.9 -18	e 0151 -7.5	-9	104 (F	T./88C. 7.5 •1	1 •12.5 •1	5 +17.5 +2n	•25	*30 *35
5 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30	0. 0. 0.00 0.11	9. 9. 90.4 42.8 56.4	1 0							1					
30 TO 35	3.02	1322.7	74		1		2 3	7	25	30	•	ı	1		
TOTAL	3.15	1452.	75		L L		2 )	7	25	31	4	ı	1		
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ALTITUDE (1000 FT) BOLOW 1 1 TO 2 2 TO 5 3 TO 10 10 TO 15 15 TO 20 20 TO 25 25 TO 30	TIME : (HOURS! 0-01 0-07 0-07 0-17 0-	1AUTICAL MILES 1.5 4.2 15.3 22.4 53.7 0.	PEARS 6 17 0	-35 -30 -29	-20 -17.5	) -19 -12	. 8 -10	-7.8 2	- 5	10M (P		•12.5 •1	5 +17.5 +20	•29	*38 *35
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ALTITUDE (1900 PT) 90100 1	0.01	1.5	TOTAL PEAKS	-35 -30 -21	-20 -17.1	-15 -12	.5 -10	-7.5		• • • •			5 +17.5 +20	•25	•30 •35
1 70 1 2 70 1 3 70 10 10 10 15	0.07 0.07 0.07	15.5 22.6 23.7	17				1	2	٠	7	; ;				
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TOTAL	3.70	1 549. 9	101		1		2 5	. 9	29	3.0	11 5	1	l		

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  1966.

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