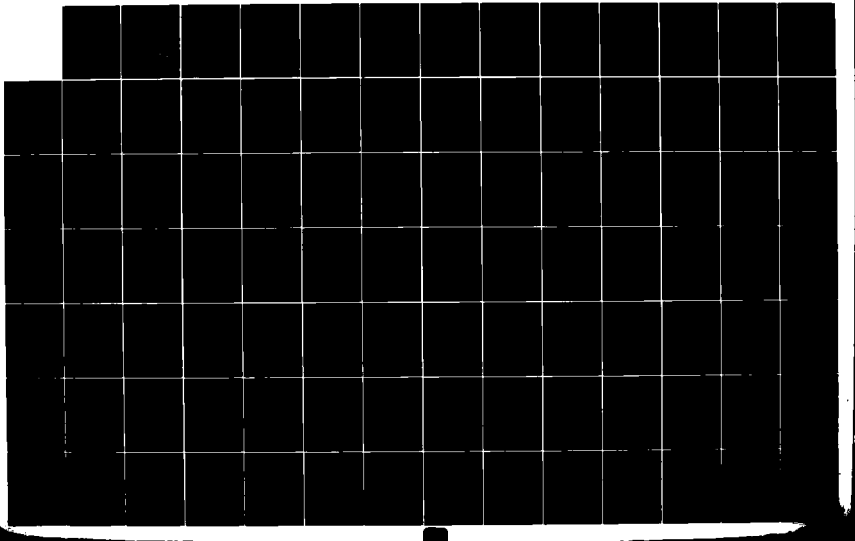
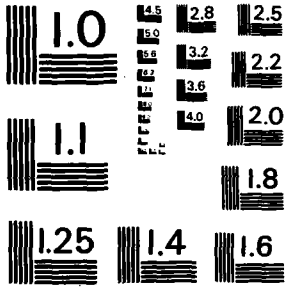
AD-A137 580 DHAHRAN SAUDI ARABIA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATI..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 01 DEC 83 1/5

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DHAHRAN SAUDI ARABIA
N 26 16 E 050 10 ELEV 75 FT
PAGE 1 OF 1
HOURLY OBSERVATIONS: FEB 49 - MAR 63
SUMMARY OF DAY DATA: FEB 49 - MAR 63

TIME CONVERSION (M.T. TO LST: +3

DEC 01 1983

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS-83/050	2. GOVT ACCESSION NO. AD-A137 580	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- DHAHRAN, SAUDI ARABIA		5. TYPE OF REPORT & PERIOD COVERED Final rept. 6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		12. REPORT DATE DEC 83 13. NUMBER OF PAGES p. 320
14. MONITORING AGENCY NAME & ADDRESS(if different from Controlling Office)		15. SECURITY CLASS. (of this report) UNCLASSIFIED 15a. DECLASSIFICATION/DOWNGRADING SCHEDULE

16. DISTRIBUTION STATEMENT (of this Report)

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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18. SUPPLEMENTARY NOTES

THIS RUSSWO IS MISSING PART
THIS EDITION OF THE DHAHRAN RUSSWO IS MISSING PART B, THE PRECIPITATION
SECTION

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

*RUSSWO	Daily temperature	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative humidity	*Climatological data	(over)

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This report is a six-part statistical summary of surface weather observations for DHAHRAN, SAUDI ARABIA

It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)

DD FORM 1 JAN 73 1473

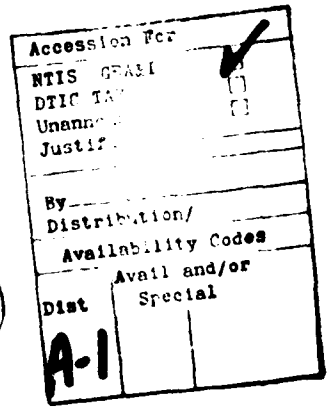
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19. Percentqge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* SAUDI ARABIA * DHAHRAN
SD404160

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.





U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY
OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION DATA NOT AVAILABLE

SNOWFALL DATA NOT AVAILABLE

SNOW DEPTH · DATA NOT AVAILABLE

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY	APRIL	JULY	OCTOBER
FEBRUARY	MAY	AUGUST	NOVEMBER
MARCH	JUNE	SEPTEMBER	DECEMBER

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV FT	CALL SIGN	WMO NUMBER
404160	DHAHRAN AIRFIELD, SAUDI ARABIA	N 26 16	E 050 10	75	OEDR	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION FROM	AT THIS LOCATION TO	LATITUDE	LONGITUDE	ELEVATION ABOVE MSL FIELD (FT)	ELEVATION ABOVE MSL MT BARO.	OBS PER DAY
1	Dhahran Airport Saudi Arabia	APT	10 Feb46	Jun 46	N 26 16	E 050 10	75	79	24
2	Dhahran Saudi Arabia	Same	30 Jun46	Sep 46	N 26 17	Same	Same	Same	5
3	Same	Same	30 Sep46	Jul 47	N 26 17	Same	Same	Same	12 to 16
4	Same	Same	01 Jul47	Mar 50	N 26 17	Same	Same	Same	24
5	Dhahran Airfield Saudi Arabia	AirFld	31 Mar50	Mar 53	N 26 16	Same	Same	78	24
6	Same	Same	30 Mar53	Apr 61	N 26 17	Same	Same	Same	24
*7	Same	Same	03 Apr61	01 Apr62	N 26 17	Same	Same	82	24
8	Station Location reported per Master Station Catalog	Same	May 62	Nov 82	N 26 16	E 050 10	75	Unkn	24
					AWS station deactivated 02 Apr 62				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
1	10 Feb46	Unkn	Unkn	Unkn	Unkn	
2	30Mar 53	Located on Roof of weather station	AN/GMQ-1	WindPanel ML-204B	30 Ft	
3	31 Mar57	Located on Roof of Passenger Terminal.	AN/GMQ-1	None	25 Ft	
4	23 Apr58	Located Top Base operations	MQ-1	None	50 Ft	
5	31 Mar60	Recorder located Base Weather Station Transmitter 350 yds S of E-W Runway 450 Ft W of N-S Taxiway.	T-420/ GMQ-11	RO-2/GMQ-11	13 Ft	
6	02 Apr62	Located 1091 Ft from Southedge of E-W Runway and 321 Ft from West edge of N-S Taxiway.	AN GMQ-11	RO-2	13 Ft	

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CONTINUED ON REVERSE SIDE

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A

PART A WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.

2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

41617 | DHAHRAN SAUDI ARABIA | 47-67 | JAN
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02	.1	3.4				3.4	2.7	.2		2.8	5.7	1395
	03-05	.1	4.2				4.2	3.4	.4		3.3	7.[illegible]	1395
	06-08	.1	3.6				3.6	4.1	.5		3.6	8.3	1398
	09-11		2.5				2.5	1.3	1.3		8.1	10.5	1488
	12-14		2.7				2.7	.2	.8		13.4	11.2	1456
	15-17	.1	2.3				2.3	.3	.8		8.7	9.6	1456
	18-20	.2	1.8				1.8	.1	1.0		4.5	5.6	1485
	21-23	.3	3.2				3.2	1.1	.3		3.1	4.5	1458
TOTALS		.1	3.0				3.0	1.7	.7		5.6	7.8	11527

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

41160 DHAHRAN SAUDI ARABIA 48-62 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02	.2	2.3				2.3	1.3	.1		4.6	6.3	1796
	03-05	.1	3.2				3.2	2.6	.2		3.8	6.6	1299
	06-08	.1	2.3				2.3	4.9	1.6		9.1	12.5	1334
	09-11	.1	2.1				2.1	1.6	2.4		12.4	16.4	1374
	12-14	.1	3.0				3.0	.1	1.6		15.6	17.2	1401
	15-17	.2	3.0				3.0	.1	1.3		14.0	15.1	1387
	18-20	.1	1.6				1.6	.1	1.1		7.6	8.9	1401
	21-23	.2	1.4				1.4	.5	.5		5.8	6.6	1330
TOTALS		.1	2.4				2.4	1.4	1.1		8.7	11.2	10822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

41416 DHAHRAN SAUDI ARABIA 46-62 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02	.4	4.4				4.4	.7	1.1		6.9	8.7	1396
	03-05	1.1	5.0				5.0	1.0	1.0		7.0	8.9	1395
	06-08	.3	4.1				4.1	1.5	2.3		10.1	14.0	1459
	09-11	.1	2.7				2.7	.2	1.9		14.0	16.1	1551
	12-14		2.3				2.3		1.0		10.7	18.3	1561
	15-17	.3	3.1				3.1		1.5		14.4	15.9	1550
	18-20	.4	2.9				2.9		1.5		7.7	9.2	1579
	21-23	.4	2.5				2.8	.1	1.4		5.4	6.9	1457
TOTALS		.4	3.4				3.4	.4	1.5		10.3	12.3	11968

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

40416C — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
APR — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02		1.2				1.2		.2		4.4	4.7	1359
	03-05	.1	1.7				1.7	.1	.2		5.3	6.6	1267
	06-08	.2	1.3				1.3	.6	1.0		7.6	11.2	1715
	09-11		.8				.8		.9		14.2	15.[illegible]	1398
	12-14	.4	.8				.8		.4		16.0	16.4	1428
	15-17		.4				.4		.4		13.0	13.5	1428
	18-20	.6	1.1			.1	1.1		.6		6.6	7.6	1428
	21-23	.1	1.1				1.1		.5		4.0	4.5	1320
TOTALS		.2	1.1			.0	1.1	.1	.6		9.3	9.9	10812

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

41416 DHAHRAN SAUDI ARABIA 46-61 MAY
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02	.3	.8				.o	.2	.2		1..9	11.3	1701
	03-05		.6				.o	.4	1.5		11.8	13.7	1[illegible]2
	06-08	.1	.7				.7	.1	3.5		1o.8	2C.4	1[illegible]9
	09-11	.1	.5				.5		2.3		24.5	26.6	1421
	12-14		.5				.5		2.2		2[illegible].4	27.2	1426
	15-17	.1	.2				.2		1.3		2[illegible].1	21.4	1426
	18-20	.8	1.0				1.[illegible]		1.1		10.6	11.6	1427
	21-23	.4	.5				.5		.7		8.4	9.1	1364
TOTALS		.2	.6				.6	.1	1.6		16.1	17.7	11[illegible]56

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

41680	DHAHRAN SAUDI ARABIA	46-61	JUN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02							.5	.9		22.7	23.9	1259
	03-05							1.0	1.7		29.4	32.1	1203
	06-08							.4	4.7		34.2	39.3	1360
	09-11								5.9		36.9	44.2	1410
	12-14								3.9		39.6	42.4	1440
	15-17								1.7		29.6	31.2	1419
	18-20								1.9		16.3	18.2	1440
	21-23							.2	1.2		17.7	19.1	1320
TOTALS								.3	2.7		28.6	31.3	10919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

41416 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
JUL — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02	.2							2.7		16.6	21.3	1395
	03-05	.1						.4	4.2		24.5	29.0	1395
	06-08							.3	6.5		29.6	36.3	1426
	09-11								5.4		34.2	39.5	1457
	12-14								4.6		36.0	40.1	1488
	15-17								2.7		27.2	29.7	1457
	18-20								3.0		16.3	21.1	1488
	21-23	.1	.1				.1		2.8		17.0	19.7	1426
TOTALS		.1	.0				.0	.1	4.0		25.7	29.6	11532

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

41160 DHAHRAN SAUDI ARABIA 46-61 AUG
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02							.2	2.4		5.4	11.3	1395
	03-05							1.9	2.7		12.0	16.6	1395
	06-08							2.2	5.7		18.5	26.3	1427
	09-11								5.3		21.1	26.0	1458
	12-14								4.6		19.0	23.4	1468
	15-17								3.0		12.4	15.3	1457
	18-20								2.3		8.4	10.4	1488
	21-23								1.7		8.0	9.7	1426
TOTALS								.5	3.4		13.5	17.3	11534

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

41416C (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02							1.8	1.6		6.3	11.7	1350
	03-05							4.7	1.6		12.8	19.0	1350
	06-08							4.1	2.7		17.1	23.8	1381
	09-11							.4	2.8		18.1	21.3	1410
	12-14								2.0		16.8	18.4	1439
	15-17								2.1		9.4	11.4	1410
	18-20								1.2		5.8	7.0	1440
	21-23							.1	.9		6.8	7.9	1360
TOTALS								1.4	1.9		11.8	15.1	11160

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02							2.4	.6		1.1	4.2	1395
	03-05							4.4	1.1		1.9	7.4	1395
	06-08							3.6	1.0		3.3	8.0	1429
	09-11							.2	.9		4.7	5.8	1457
	12-14								1.1		4.2	5.3	1488
	15-17								.6		2.3	3.0	1457
	18-20								.9		.5	1.4	1488
	21-23							.4	.9		1.1	2.4	1425
TOTALS								1.4	.9		2.4	4.7	11534

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

41160 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
NOV — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02		.7				.7	1.2	.4		1.9	3.5	1349
	03-05	.1	1.1				1.1	2.4	.7		1.1	5.3	1350
	06-08		.7				.7	2.3	1.3		3.3	7.0	1380
	09-11	.1	.6				.6	.4	1.1		5.6	7.1	1411
	12-14	.4	.8				.8		.6		5.6	6.2	1440
	15-17	.2	.9				.9		.5		3.3	3.8	1410
	18-20	.3	.8				.8		.3		1.2	1.5	1440
	21-23		.7				.7	.5	.2		.8	1.5	1380
TOTALS		.1	.8				.8	.9	.6		3.0	4.5	11160

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

41416 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
DEC — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	00-02	.1	2.2				2.2	1.7	.1		.9	2.7	1391
	03-05	.1	3.2				3.2	5.4	.1		1.1	6.5	1392
	06-08	.2	4.2				4.2	5.6	.6		1.8	7.9	1423
	09-11		2.6				2.6	1.2	.8		4.9	6.8	1458
	12-14	.2	3.5				3.5	.2	.7		6.2	7.1	1483
	15-17	.2	3.0				3.0	.3	.7		3.6	4.6	1458
	18-20	.1	3.1				3.1	.3	.3		1.2	1.8	1482
	21-23	.1	2.7				2.7	.5	.3		.8	1.5	1427
TOTALS		.1	3.1				3.1	1.9	.5		2.6	4.9	11501

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

41416 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-62 — YEARS
ALL — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.1	3.0				3.0	1.7	.7		5.6	7.6	11527
FEB		.1	2.4				2.4	1.4	1.1		8.7	11.2	10822
MAR		.4	3.4				3.4	.4	1.5		10.3	12.3	11968
APR		.2	1.1			.0	1.1	.1	.6		9.3	9.9	10812
MAY		.2	.6				.6	.1	1.6		16.1	17.7	11056
JUN								.3	2.7		26.6	31.3	10919
JUL		.1	.3				.3	.1	4.0		25.7	29.6	11532
AUG								.5	3.4		13.5	17.3	11538
SEP								1.4	1.9		11.8	15.1	11160
OCT								1.4	.9		2.4	4.7	11534
NOV		.1	.8				.8	.9	.6		3.0	4.5	11160
DEC		.1	3.1				3.1	1.9	.5		2.6	4.9	11501
TOTALS		.1	1.2			.0	1.2	.9	1.6		11.5	13.9	135525

PART A ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates *less than .05 percent*, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.

(2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.

(3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

4 4162 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-67 — YEARS
ALL — MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY	1.6	16.1				16.1	5.4	4.5		2.0	11.3	496
FEB		1.2	14.2				14.2	6.5	7.1		4.2	19.4	480
MAR		5.7	21.4				21.4	1.9	9.9		3.8	14.7	527
APR		2.7	12.1			.2	12.1	.4	4.6		3.5	7.5	480
MAY		3.2	7.5				7.5	.2	9.9		3.8	13.5	496
JUN								1.2	14.8		7.9	23.1	48[illegible]
JUL		.4	.2				.4	.2	16.7		4.0	19.6	496
AUG								4.2	15.9		.6	19.6	96
SEP								5.4	9.6		1.0	14.2	48[illegible]
OCT								5.6	5.2		.6	10.7	496
NOV		.1	6.3				6.2	4.0	3.1		1.0	7.7	480
DEC		1.4	16.7				16.7	6.9	3.6		.4	8.7	496
TOTALS		1.5	7.9			.0	7.9	3.5	8.7		2.7	13.9	590[illegible]

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PART C SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

*1. Extreme Values - Peak Gusts: DATA NOT AVAILABLE Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

C

*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.

b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 48-62 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 2030-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.9	1.5	1.1	.2	.1	.1					5.5	8.5
NNE	.4	.1	.3	.3	.1							1.1	8.5
NE	.4	.2	.4									1.0	5.6
ENE	.1	.6	.1	.1								.9	5.8
E	.2	.6	.1	.1								1.0	5.0
ESE	.4	.6	.4	.4								1.9	6.4
SE	.1	2.2	2.7	.9		.1						5.9	8.1
SSE	1.0	2.4	1.8	.6								5.8	6.5
S	.9	1.5	.6	.3	.1							3.4	5.9
SSW	.3	.4	.2	.1								1.0	5.6
SW	.2	.7										.9	4.2
WSW	.4	1.1	.6									2.2	5.6
W	1.3	2.9	2.9	.6								7.7	6.5
WNW	.4	3.6	6.1	4.2	.8	.1						15.1	9.7
NW	.6	4.5	9.7	5.1	.7							20.6	9.2
NNW	.2	2.4	4.5	3.5	.4	.1						11.2	9.6
VARBL													
CALM												14.6	
	7.4	25.9	32.0	17.2	2.3	.4	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4 4160 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
48-62 — YEARS
JAN — MONTH

ALL WEATHER — CLASS
0300-0500 — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.3	1.2	1.4	.1	.1						4.4	9.7
NNE	.3	.6	.5	.2								1.6	7.1
NE	.4	.3	.1	.2								.9	5.9
ENE	.1	.1	.1									.4	6.6
E	.4	.6	.2									1.1	4.6
ESE	.1	.0	.1		.1							1.1	6.1
SE	.2	.9	1.9	.3		.1						3.4	6.1
SSE	.6	1.9	1.6	.4								4.4	6.5
S	.4	1.7	.8	.4								3.3	6.7
SSW	.5	1.2	.6									2.4	5.4
SW	.5	.7	.6									1.8	5.5
WSW	.9	2.1	.9	.1								4.0	5.4
W	1.4	3.4	2.7	1.3	.2							9.1	7.0
WNW	.7	3.3	5.6	6.1	1.9	.1						17.8	10.6
NW	.4	3.7	8.5	8.8	.9							22.4	10.2
NNW	.4	1.2	3.4	4.1	.3		.1					9.5	10.4
VARBL													
CALM												12.4	
	7.4	23.8	29.0	23.4	3.6	.4	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416C (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-62 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0600-0600 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.0	1.1	.6	.2	.1						3.1	9.1
NNE	.1	.5	.5	.6	.1							1.7	8.7
NE		.3	.4	.1								.8	7.9
ENE	.1	.1	.1									.2	5.3
E	.2	.4	.1	.1								.9	.4
ESE	.1	.3	.3	.2								.9	7.1
SE	.4	.9	1.0	.7								3.0	7.8
SSE	.3	1.1	.9	.4								2.6	7.2
S	.8	.9	1.1	.4	.1							3.3	7.0
SSW	.6	1.6	.9	.1								3.2	5.6
SW	1.0	1.9	.8	.1								3.8	5.0
WSW	1.1	2.0	1.0	.1								4.3	5.2
W	1.4	3.1	3.6	1.4	.4							9.9	7.4
WNW	.3	2.1	7.0	9.4	2.9	.3	.1					22.5	11.6
NW	.5	2.9	8.0	7.8	.2	.1						19.5	9.9
NNW	.1	1.6	4.1	4.4	.3	.1						10.5	10.3
VARBL													
CALM												9.8	
	7.6	20.7	30.8	26.4	4.1	.5	.1					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 1398

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-62 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.5	1.5	1.8	.1							4.0	10.6
NNE	.1	.3	.9	.9	.3							2.6	10.9
NE	.3	.3	.7	.3	.1							1.6	8.5
ENE	.2	.2	.3	.3								1.0	8.0
E	.3	.2	.3	.1								1.0	6.5
ESE	.3	.1	.1	.1								.7	6.3
SE	.2	.5	1.1	1.8	.2							3.8	10.5
SSE	.1	.9	1.7	1.7	.1							4.6	9.8
S	.4	1.9	2.8	3.0	.3							8.5	9.6
SSW	.5	2.0	1.5	1.0	.3							5.4	8.1
SW	.7	1.6	1.1	.5	.1							4.0	6.8
WSW	.4	1.6	.5	.2								2.8	5.6
W	.3	1.3	2.7	1.1	.3							5.7	9.1
WNW	.2	2.0	5.9	7.7	3.2	.5						19.5	12.2
NW		1.3	6.0	10.6	1.7							19.6	12.1
NNW	.1	.5	3.4	5.7	1.0	.1						11.1	11.8
VARBL													
CALM												4.3	
	4.2	15.6	30.7	36.8	7.9	.5						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 1488

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-62 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

1200-1400 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.1	4.3	6.8	1.2	.2						13.7	12.6
NNE	.1	.5	1.6	2.2	.3							4.9	11.3
NE	.1	.4	.8	.7	.2	.1						2.3	11.1
ENE	.1	.8	.9	.1								1.9	7.4
E		.6	1.2	.2								2.1	7.7
ESE	.3	.9	1.7	.4								3.3	7.6
SE	.1	1.0	2.5	1.6	.1							5.3	9.4
SSE	.1	.8	2.5	3.4	.4	.1						7.2	11.0
S	.1	1.5	3.0	2.5	.3	.1						7.6	9.7
SSW	.3	.8	1.2	1.1	.1							3.6	9.1
SW	.1	1.0	.8	.3	.1							2.3	7.7
WSW	.1	.8	.2	.1								1.2	5.8
W	.2	.7	.4	.4								1.7	7.4
WNW	.2	1.0	2.2	2.8	.8	.1						7.1	11.1
NW	.4	1.2	3.9	7.3	2.5	.2						15.6	12.2
NNW	.3	1.2	4.7	7.7	2.4	.3						16.5	12.5
VARBL													
CALM												3.9	
	2.6	14.4	32.0	37.7	8.4	1.0						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 1456

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-62 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.8	7.4	9.7	1.6	.3						19.7	11.7
NNE	.1	1.2	2.8	3.4	.2							7.8	10.4
NE	.1	.9	2.8	1.2	.2							5.2	9.4
ENE		1.4	2.0	.8								4.3	8.0
E	.4	3.5	3.4	.6								8.0	6.9
ESE	.1	1.9	2.4	.5								5.0	7.6
SE	.1	1.3	4.7	1.9	.1							8.2	9.0
SSE	.1	.8	2.5	2.2	.1	.1						5.8	10.3
S	.3	.5	1.0	.8	.1							2.8	9.3
SSW	.1	.1	.4	.1								.7	6.2
SW		.2	.3	.1								.7	8.4
WSW													
W	.1	.2	.1	.1								.4	6.5
WNW		.5	.3	1.0	.2	.1						2.1	11.4
NW	.2	.5	2.7	5.2	1.0	.1						9.6	12.2
NNW		.8	4.3	10.2	2.3	.3						17.9	12.9
VARBL													
CALM												1.9	
	1.6	14.8	37.2	37.7	5.9	.9						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 1455

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-62 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	6.1	6.1	2.3	.3							16.0	7.7
NNE	1.1	2.0	2.0	.2								5.3	6.3
NE	1.4	2.6	.7	.2	.1							5.0	5.4
ENE	1.0	1.9	1.4	.1								4.4	5.9
E	1.8	4.2	2.2	.6								9.8	5.9
ESE	.5	1.6	1.3	1.1		.1						4.6	7.8
SE	.3	1.8	2.0	.6	.1							4.7	7.7
SSE	.3	1.3	.9	.3	.1							3.0	7.3
S	.2	.5	.5	.3								1.5	7.7
SSW	.1		.1									.1	5.0
SW	.2	.1	.1									.4	5.5
WSW	.1											.1	2.0
W		.1	.2	.1								.4	7.7
WNW		.1	.9	.9	.1							2.6	9.7
NW	.3	2.7	6.1	4.3	.5	.1						14.0	9.9
NNW	.5	6.1	10.5	4.2	.5	.1						22.0	8.6
VARBL													
CALM												7.3	
	8.8	31.6	35.0	15.2	1.8	.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1485

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) OHAHRAN SAUDI ARABIA (STATION NAME) 47-62 (YEARS) JAN. (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	4.1	2.9	.8	.3							9.1	7.0
NNE	.3	1.0	.8	.5								2.6	7.3
NE	.6	1.0	.5									2.1	5.2
ENE	.6	1.1	.5									2.2	5.0
E	1.2	2.1	1.6	.1								5.0	5.5
ESE	.7	2.0	1.6	.5	.1							4.9	7.0
SE	.3	2.1	3.3	1.8								7.4	8.5
SSE	.3	1.1	1.1	.4	.1							3.0	7.1
S	.1	.3	.6	.3								1.2	8.1
SSW	.1	.2	.1		.1							.5	6.1
SW	.1	.1	.1	.1								.4	7.8
WSW	.3	.6										.9	4.1
W	.4	1.4	.8	.6								3.1	6.6
WNW	.6	2.6	3.5	2.2	.4							9.3	8.8
NW	.3	5.0	7.8	4.7	.3	.3						18.5	9.1
NNW	.4	6.0	7.4	3.8	.1							17.7	8.3
VARBL													
CALM												12.0	
	7.5	30.7	32.4	15.7	1.4	.3						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1454

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416C (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-62 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.1	3.3	3.1	.5	.1	.0					9.5	9.8
NNE	.3	.8	1.2	1.0	.1							3.5	9.1
NE	.4	.8	.8	.3	.1	.0						2.4	7.6
ENE	.3	.8	.7	.2								1.9	6.7
E	.6	1.6	1.2	.2								3.5	6.2
ESE	.3	1.0	1.0	.4	.0	.0						2.8	7.3
SE	.2	1.3	2.4	1.2	.1	.0						5.2	8.7
SSE	.3	1.3	1.6	1.2	.1	.0						4.5	8.6
S	.4	1.1	1.3	1.0	.1	.0						4.0	8.5
SSW	.3	.9	.6	.3	.1							2.1	7.3
SW	.3	.9	.5	.1	.0							1.8	6.2
WSW	.4	1.0	.4	.1								1.9	5.4
W	.6	1.6	1.6	.7	.1							4.7	7.3
WNW	.3	2.0	3.9	4.2	1.3	.1	.0					11.9	10.9
NW	.3	2.7	6.6	6.7	1.0	.1						17.4	10.5
NNW	.2	2.5	5.3	5.5	.9	.1	.0					14.6	10.5
VARBL													
CALM												8.2	
	5.9	22.2	32.4	26.3	4.4	.5	.0					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 11526

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

404160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46,48-62 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	3.1	4.2	1.6	.3	.1						10.0	6.1
NNE	.5	.9	1.5	.8	.1							3.9	6.2
NE	.3	.5	.1	.3								1.2	6.7
ENE	.4	.5	.2	.2								1.2	5.5
E	.6	1.5	.5	.2								2.8	5.8
ESE	.6	1.3	.4	.2								2.5	5.5
SE	.3	1.5	1.7	.8	.3							4.6	8.4
SSE	.4	1.9	1.7	.9								4.9	7.6
S	.1	.8	1.3	.6	.1							2.9	8.4
SSW	.1	.2	.1	.1	.1	.1						.5	10.4
SW	.2	1.1										1.2	4.4
WSW	.8	1.9	.4									3.1	4.7
W	1.3	4.8	1.6	.2								7.9	5.4
WNW	.5	3.2	5.0	1.5	.2	.1						10.6	8.2
NW	.2	4.8	6.9	3.8	.8	.1	.1					16.6	9.1
NNW	.6	2.8	4.9	4.9	.5	.4						14.0	10.0
VARBL													
CALM												12.0	
	7.7	33.7	30.4	16.0	2.4	.7	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1296

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40416D (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46.48-62 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.5	2.8	2.5	.1							8.5	8.5
NNE	.4	.6	.9	.7	.2							2.8	6.4
NE	.3	.6	.5									1.5	5.5
ENE	.2	.4	.2									.8	5.6
E	.3	.6	.3									1.2	5.2
ESE	.2	.6	.2	.3								1.5	6.5
SE	.5	1.2	1.3	.2	.2							3.3	7.2
SSE	.5	1.3	1.2	.6								3.7	7.3
S	.3	1.0	1.2	.5								2.9	7.3
SSW	.4	1.3	.2	.1	.1							2.1	5.8
SW	.5	1.4	.2									2.1	4.6
WSW	1.0	1.1	.3	.1								2.5	4.5
W	1.5	4.2	3.0	.2								9.0	5.9
WNW	.3	2.3	7.9	3.6	.7	.2						14.9	9.6
NW	.8	2.6	7.1	5.0	.4	.2						16.2	9.5
NNW	.2	2.9	5.4	4.5	.9	.1						14.0	10.0
VARBL													
CALM												13.1	
	8.1	24.8	32.8	18.3	2.5	.5						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1299

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 — STATION
OMAHRAN SAUDI ARABIA — STATION NAME
45-62 — YEARS
FEB — MONTH

ALL WEATHER — CLASS
0600-0800 — HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.2	1.1	2.0	.4	.1						6.1	9.4
NNE	.4	.6	.6	.7								2.3	8.5
NE	.1	1.0	.6	.6								2.3	8.3
ENE	.4	.2	.3	.1								1.0	5.5
E	.2	.4	.2	.1								1.0	6.5
ESE	.1	.9	.7		.1							1.9	6.2
SE	.4	1.3	1.0	.3	.1							3.1	6.8
SSE	.1	1.3	1.1	.7	.1							3.4	6.3
S	.9	1.5	.9	.4								3.7	6.3
SSW	.4	1.0	.7	.1								2.2	5.9
SW	.4	1.4	.3									2.1	4.9
WSW	1.1	2.5	.9	.3								4.9	5.5
W	.5	4.6	2.7	1.0								8.8	7.0
WNW	.5	2.1	7.7	5.9	1.2							17.5	10.4
NW	.4	2.2	7.8	6.4	.4	.1						17.3	10.1
NNW	.1	2.0	4.3	4.7	.4	.1						11.6	10.3
VARBL													
CALM												10.6	
	6.4	25.4	31.1	23.5	2.7	.2						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 1334

USAFETAC FORM 0-8-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.0	3.1	5.2	1.6	.1						12.5	11.5
NNE	.3	.7	1.7	1.7	.4							4.7	10.3
NE	.1	.7	.7	.9	.1							2.5	9.4
ENE	.1	.4	.4	.4	.1							1.5	8.9
E	.2	.4	1.0	.2	.1							2.0	8.0
ESE	.1	.7	.9	.4								2.1	8.2
SE		.7	1.5	.8	.1							3.1	9.2
SSE		1.0	2.3	2.3	.5							6.0	10.7
S	.2	1.5	2.8	3.1	.1	.1						7.8	9.7
SSW	.3	1.4	1.2	.6								3.4	7.6
SW	.2	.9	.7									1.7	5.9
WSW	.3	1.6	.9	.1								2.9	5.9
W	.3	2.0	1.6	.9	.1	.1						4.9	9.1
WNW	.2	1.5	3.7	4.1	.9	.3						10.8	11.3
NW	.1	1.4	4.2	6.6	1.6	.1						14.1	11.8
NNW	.1	1.2	4.7	6.7	1.8	1.0	.1					15.6	12.8
VARBL													
CALM												4.4	
	3.1	18.0	31.4	34.1	7.3	1.7	.1					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 1374

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.7	5.6	7.4	4.4	.6						19.8	12.8
NNE	.2	.9	3.1	3.5	.9							8.6	11.2
NE	.1	1.4	2.4	1.9	.4							6.1	9.7
ENE	.1	.7	1.9	.4	.1							3.2	8.6
E	.1	1.1	1.9	.1	.1							3.4	7.7
ESE	.2	.9	1.4	.9	.1							3.5	8.9
SE	.1	1.1	3.4	1.9	.4							6.9	9.9
SSE		1.4	2.4	3.4	.4	.1						7.6	10.8
S	.1	.9	2.1	1.8		.1						5.1	10.0
SSW		.3	.6	.6	.1	.1						1.8	11.0
SW		.4	.6	.2								1.2	7.9
WSW		.4	.1	.1	.1	.1						.9	9.7
W	.2	.4	.4	.1								1.1	6.5
WNW	.1	.3	1.1	1.0	.1							2.6	10.6
NW	.1	.6	1.9	3.4	1.7	.5	.1					8.3	13.7
NNW	.1	.5	2.9	8.6	3.7	1.7	.1					17.6	14.9
VARBL													
CALM												2.5	
	1.6	12.8	31.7	35.3	12.7	3.2	.2					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 1401

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41060 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

1500-1700 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	5.4	13.8	4.6	.7	.1					24.5	13.6
NNE		.6	4.3	6.6	1.0		.1					12.6	11.8
NE	.1	.7	3.9	2.9	.4							8.0	10.6
ENE		.7	2.8	1.9	.1							5.6	9.8
E	.3	1.2	5.2	1.4	.1							8.1	8.8
ESE		1.4	2.3	.9	.1	.1						4.9	9.1
SE	.1	1.2	2.8	3.2	.5							7.7	10.7
SSE		.9	2.3	1.5	.4	.1						5.1	10.5
S	.2	.3	.5	.7	.2							1.9	10.0
SSW		.1	.2									.4	6.9
SW			.1	.1								.1	11.5
WSW		.1		.1								.1	10.0
W		.1	.4	.1								.7	9.2
WNW		.1	.4	.6	.3							1.4	12.8
NW	.1	.2	.3	2.1	.4	.2						3.4	13.6
NNW			1.1	9.3	4.1	1.3	.1					14.9	15.9
VARBL													
CALM												.6	
	.8	8.0	32.0	44.3	11.7	2.5	.2					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 1373

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	5.1	10.6	5.9	.6							23.1	7.0
NNE	.4	4.2	5.5	1.3	.6							12.1	8.1
NE	.7	2.8	2.9	.3	.2							6.9	6.9
ENE	.6	2.4	2.6	.4								6.1	6.9
E	.5	2.6	4.4	1.3	.3							9.1	8.5
ESE	.3	.6	1.6	.8	.1							3.4	8.3
SE	.3	1.1	1.4	.5	.1							3.5	8.0
SSE	.1	.4	.5	.6	.1							1.7	9.7
S	.1	.5	.4	.2								1.2	7.3
SSW		.1	.1	.1								.2	8.3
SW	.1	.1										.2	4.3
WSW	.1	.1										.2	4.0
W		.3	.1									.4	4.6
WNW		.4	.6	.1		.1	.1		.1			1.4	12.4
NW	.4	1.4	2.4	1.7	.3							6.1	9.3
NNW	.1	3.2	.1	6.4	1.1	.2						19.2	10.6
VARBL													
CALM												4.5	
	4.4	25.7	41.5	19.7	3.4	.3	.1		.1			100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 1471

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41660 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

0100-2300 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	7.1	5.2	2.0	.5							16.2	7.3
NNE	.8	2.6	1.7	.8	.3							6.2	7.2
NE	.7	2.0	.5	.6								3.7	6.1
ENE	.2	1.4	.4	.2								2.3	6.0
E	.7	3.8	1.7	.2								6.3	6.6
ESE	.1	1.2	1.7	.9	.1							3.9	8.6
SE	.5	1.3	2.3	1.8	.3	.1						6.2	9.3
SSE	.1	.6	1.4	.8								2.8	8.9
S		.3	.4	.2								.8	8.1
SSW	.2		.1									.2	4.0
SW	.1	.2										.3	3.8
WSW	.4	.5	.2	.2								1.2	6.1
W	.1	1.3	.2	.1	.1							1.7	6.6
WNW	.5	1.5	1.5	.7	.2							4.4	7.8
NW	.7	4.1	4.2	1.6	.5	.4						11.2	8.3
NNW	.5	5.0	10.6	5.0	.5	.3	.1					22.0	9.2
VARBL													
CALM												10.8	
	6.9	32.7	31.7	14.9	2.2	.8	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1330

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 45-62 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	3.0	4.5	5.1	1.5	.2	.0					15.3	11.5
NNE	.4	1.4	2.4	2.0	.4		.0					6.7	9.6
NE	.3	1.2	1.5	1.0	.1							4.1	8.5
ENE	.2	.4	1.1	.5	.0							2.7	7.8
E	.4	1.5	1.9	.5	.1							4.3	7.5
ESE	.2	1.0	1.2	.5	.1	.0						3.0	8.1
SE	.3	1.2	1.9	1.2	.2	.0						4.3	9.1
SSE	.2	1.1	1.6	1.4	.2	.0						4.4	9.5
S	.2	.8	1.2	.9	.0	.0						3.3	8.7
SSW	.2	.5	.4	.2	.0	.0						1.4	7.5
SW	.2	.7	.2	.0								1.1	5.4
WSW	.4	1.0	.3	.1	.0	.0						1.9	5.6
W	.5	2.2	1.2	.3	.0	.0						4.2	6.5
WNW	.3	1.4	3.4	2.2	.5	.1	.0		.0			7.8	9.9
NW	.4	2.1	4.3	3.8	.8	.2	.0					11.5	10.3
NNW	.2	2.2	5.2	6.2	1.7	.6	.0					16.2	11.7
VARBL													
CALM												7.2	
	4.8	22.1	32.9	25.9	5.7	1.2	.1		.0			100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 10808

SPECIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41080 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 49-62 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0000-0300 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	4.9	5.4	2.5	.8	.3	.1					15.5	6.5
NNE	.4	2.5	1.4	.6		.1						4.9	7.2
NE	.4	1.3	.5	.6	.1	.1						2.9	7.6
ENE	.1	.8	.4									1.4	6.1
E	.7	1.3	.6	.1	.1							2.7	5.6
ESE	.3	1.7	.6	.6								3.2	6.7
SE	.4	1.7	1.8	1.1	.1	.1						5.2	8.4
SSE	.1	.9	1.6	.4	.1							3.2	6.3
S	.3	.6	1.0	.4								2.3	7.3
SSW	.1	.5	.2	.1								1.0	6.3
SW	.6	1.4	.3	.1								2.4	4.9
WSW	.9	1.6	1.2	.4								4.0	6.2
W	1.4	4.2	2.4	.4								8.5	5.9
WNW	.8	3.2	3.0	.9	.1		.1	.1				8.2	7.8
NW	.5	3.6	2.8	1.1								8.0	7.4
NNW	.4	1.9	4.3	3.2	1.1	.5	.3					11.6	11.3
VARBL													
CALM												14.6	
	9.0	32.1	27.7	12.5	2.3	1.1	.5	.1				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 48-62 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0300-0900 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.2	5.3	4.1	1.1	.5						15.2	11.1
NNE	.3	2.4	1.5	1.6	.4	.1						6.2	8.5
NE	.4	1.1	.6	.3	.1	.1						2.7	7.6
ENE	.1	.4	.4	.1	.1							1.2	8.7
E	.2	.5	.2	.2								1.1	6.6
ESE	.1	.6	.5	.2								1.4	7.6
SE	.3	1.0	.6	.4								2.2	6.7
SSE	.3	1.7	1.5	.6	.1							4.2	7.4
S	.1	.9	.5	.3								1.9	6.7
SSW	.1	1.1	.4									1.6	5.3
SW	.3	1.0	.7	.3								2.3	6.5
WSW	.4	2.3	.7	.3								3.7	5.7
W	.8	4.8	2.4	.9								9.0	6.5
WNW	.6	2.7	5.0	1.4	.1	.1	.1					10.0	8.3
NW	.4	2.9	3.8	2.4	.2			.1				9.8	8.9
NNW	.4	1.8	5.4	4.7	1.0	.2						13.5	10.7
VARBL													
CALM												14.0	
	5.6	28.6	29.7	17.8	3.2	1.0	.1	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS) MAC (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.3	5.4	4.0	1.8	.1						14.5	10.5
NNE	.3	1.2	1.4	2.1	1.0	.1						6.0	10.9
NE	.3	1.2	.7	.5	.1	.1						2.9	8.0
ENE		.5	.4	.5	.1							1.5	10.0
E	.3	.3	.9	.3	.1							1.9	8.6
ESE	.1	1.0	.5	.4	.1							2.0	8.1
SE	.3	.5	.7	.3								1.9	6.9
SSE	.4	.6	.8	.8								2.7	8.5
S	.7	1.0	1.0	.5								3.2	6.7
SSW	.3	1.6	1.0	.3	.1							3.2	6.5
SW	.4	1.6	.8	.4								3.2	6.3
WSW	.5	1.8	1.7	.1								4.2	6.3
W	1.4	3.2	2.7	.5	.2							8.0	6.4
WNW	.5	1.9	5.4	2.6	.1							10.4	9.1
NW	.3	2.2	4.4	3.5	.2	.1						10.6	9.5
NNW	.3	1.7	4.9	4.0	1.0	.1						12.1	10.5
VARBL													
CALM												11.7	
	6.9	22.6	32.6	20.9	4.7	.5						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 1458

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41680 DHAHRAN SAUDI ARABIA 46-62 MAR
STATION STATION NAME YEARS MONTH

ALL WEATHER 0900-1100
CLASS HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.9	3.1	7.7	3.5	1.2						17.9	13.3
NNE	.1	.9	2.5	3.6	1.6	.3						9.0	12.5
NE	.4	1.1	1.5	.8	.4							4.2	9.0
ENE	.1	.8	1.4	.7	.2	.2						3.4	10.0
E	.1	1.3	1.6	1.0	.3							4.3	9.1
ESE	.2	.8	1.4	.5	.1	.1						3.0	8.6
SE	.1	.9	1.2	1.2	.1							3.4	9.4
SSE	.2	.9	2.5	2.3	.5	.1						6.4	10.7
S	.1	1.2	2.5	1.6	.1							5.5	9.4
SSW	.1	.7	.8	1.0	.1							2.7	8.8
SW	.1	.8	1.5	.5	.2	.1						3.2	9.1
WSW	.2	.8	.6	.3	.1							1.9	7.4
W	.2	1.5	2.1	.3	.1							4.3	7.9
WNW	.3	1.7	2.3	2.0	.1							5.7	9.5
NW	.5	.8	2.3	3.4	.6	.1						7.5	10.9
NNW		1.9	3.1	6.4	2.1	.3						13.9	12.5
VARBL													
CALM												3.8	
	3.2	17.3	30.4	33.3	9.9	2.2						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 1551

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.4	4.1	11.4	4.9	2.3	.4	.1				24.7	14.7
NNE	.1	.9	3.0	7.0	1.7	.4						13.1	12.9
NE	.2	.9	2.0	2.5	.1	.1						5.8	10.1
ENE	.1	.7	2.5	1.4	.4							5.1	10.1
E	.2	2.1	3.5	1.6	.7	.2						8.3	9.6
ESE		.6	2.3	.9	.4							4.4	10.3
SE	.2	.6	2.2	2.5	.5							5.9	10.9
SSE		.7	2.3	2.7	.8	.2						6.6	11.7
S	.1	.8	1.6	.9	.1	.1						3.5	9.6
SSW	.1	.5	.3	.3								1.3	8.2
SW	.1	.1		.2	.1							.4	9.9
WSW	.1	.1	.4	.3	.1							.9	10.3
W	.3	.3	.5	.3								1.3	7.6
WNW	.1	.3	.5	1.0	.3							2.2	11.1
NW	.3	.4	1.4	1.7	.3							4.0	10.8
NNW	.1	.6	1.8	4.5	3.1	.3	.2					10.6	14.2
VARBL													
CALM												2.0	
	2.0	10.9	28.4	39.2	13.3	3.5	.6	.1				100.3	12.0

TOTAL NUMBER OF OBSERVATIONS 1581

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.6	4.0	13.0	6.8	1.9	.1					26.3	15.0
NNE		.3	3.7	9.9	3.5	.3	.1					17.9	13.7
NE		.8	4.1	4.5	.6	.1						10.1	11.1
ENE		1.3	4.8	4.1	.1							10.3	10.0
E	.1	1.5	5.2	3.5	.9	.2						11.3	10.7
ESE	.1	1.0	2.0	1.7	.4	.1						5.2	10.6
SE	.1	.5	1.8	1.3	.5							4.1	11.2
SSE	.2	.5	.8	1.6	.3							3.5	11.4
S		.2	.5	.7	.1							1.5	11.3
SSW	.1	.1	.1									.3	5.4
SW		.1	.1									.1	7.0
WSW													
W		.1	.4	.5	.1							1.0	10.9
WNW		.1	.3	.1								.5	9.7
NW			.2	.4	.3							.8	14.2
NNW		.1	.7	3.2	2.4	.3						6.7	15.4
VARBL													
CALM												.3	
	.6	7.2	28.6	44.3	16.0	2.9	.1					100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 1550

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARAPIA (STATION NAME) 46-62 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	4.6	10.6	8.4	1.5	.7						26.7	10.4
NNE	.6	3.5	6.8	3.7	.6	.1						15.3	9.2
NE	1.0	4.1	4.3	1.6	.1							11.1	7.4
ENE	.3	3.6	4.4	1.5	.1							9.8	7.8
E	.6	1.8	4.6	3.5	.6							11.0	9.8
ESE	.4	.7	1.6	1.9	.1							4.7	9.8
SE		.4	.9	1.1	.1							2.6	10.8
SSE	.1	.2	.6	.4								1.3	9.9
S	.1	.4	.5	.1	.1							1.1	8.2
SSW	.1	.1										.1	4.0
SW	.1	.1		.1								.3	5.8
WSW	.1		.1									.1	5.5
W		.1	.1									.1	7.5
WNW		.2		.1								.3	7.3
NW		.2	.7	.3								1.2	9.1
NNW	.4	1.1	4.1	3.8	1.0	.1						10.6	10.7
VARBL													
CALM												3.7	
	4.5	21.0	39.3	26.4	4.1	.9						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 1579

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	7.6	8.0	3.9	.7	.5						21.9	8.2
NNE	.8	3.9	2.3	1.1	.2	.1						8.4	7.3
NE	.5	2.4	1.8	.5								5.3	6.5
ENE	.5	2.1	1.8	.3								4.8	6.3
E	.5	2.0	2.5	.5	.1							5.6	7.3
ESE	.2	1.4	2.7	1.9	.1		.1					6.5	9.2
SE	.2	.8	2.5	1.9	.2							5.6	9.8
SSE	.2	.4	.8	.5	.1	.1						2.1	9.5
S		.7	.3	.1								1.2	6.6
SSW	.1		.1	.1								.3	6.5
SW	.3	.3	.2									.8	4.7
WSW	.7	.4	.1	.3								1.1	7.1
W	.7	1.4	.4	.2								2.7	5.4
WNW	.3	.8	.6	.1	.1							2.0	6.6
NW	.5	2.3	2.2	.2	.3							5.2	7.4
NNW	.3	3.9	6.3	3.2	.4		.1					14.2	9.0
VARBL													
CALM												12.9	
	6.7	30.1	32.7	14.8	2.0	.6	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1457

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.3	5.8	7.0	2.7	1.0	.1	.0				20.5	11.7
NNE	.3	1.9	2.9	3.8	1.2	.2	.0					10.3	11.0
NE	.4	1.6	2.0	1.5	.2	.0						5.7	8.7
ENE	.2	1.3	2.1	1.1	.1	.0						4.8	8.8
E	.3	1.4	2.4	1.4	.4	.1						5.9	9.3
ESE	.2	1.0	1.5	1.0	.2	.0	.0					3.8	9.3
SE	.2	.9	1.5	1.2	.2	.0						3.9	9.6
SSE	.2	.7	1.4	1.2	.3	.0						3.9	10.0
S	.2	.7	1.0	.6	.1	.0						2.5	8.5
SSW	.1	.6	.4	.2	.0							1.3	7.1
SW	.3	.6	.4	.2	.0	.0						1.6	6.3
WSW	.3	.8	.6	.2	.0							1.9	6.6
W	.6	1.9	1.3	.4	.1							4.2	6.6
WNW	.3	1.2	2.1	1.0	.1	.0	.0	.0				4.8	6.7
NW	.3	1.5	2.2	1.6	.2	.0		.0				5.8	9.3
NNW	.2	1.6	3.8	4.1	1.5	.2	.1					11.6	11.5
VARBL													
CALM												7.6	
	4.7	20.9	31.2	26.6	7.1	1.6	.2	.0				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 11966

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 45-61 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0000-0300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	4.6	4.6	2.5	.8	.4	.1					14.1	9.0
NNE	.5	2.0	1.4	.4								4.3	6.5
NE	.3	1.7	.4	.2	.1							2.7	6.4
ENE	.2	1.0	.6	.1								1.8	5.8
E	.6	1.7	.3	.2								2.8	5.2
ESE	.3	1.0	.4	.2								1.9	6.5
SE	.7	1.7	2.4	.7	.1							5.6	7.3
SSE	.3	.8	1.1	.2								2.4	6.7
S	.3	1.5	.6	.2	.1							2.8	6.4
SSW	.2	1.1	.4	.2								1.7	6.2
SW	.4	2.9	.6	.1								4.0	5.5
WSW	1.1	3.5	.8	.1	.1							5.6	5.3
W	.7	5.6	2.9	.2								9.3	5.7
WNW	.3	1.7	3.2	.7								5.9	7.6
NW	.1	2.3	1.9	.9	.1							5.2	7.9
NNW	.5	1.7	3.7	4.1	1.0	.6						11.5	11.3
VARBL													
CALM												1e.7	
	7.2	34.5	25.5	10.9	2.1	1.0	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1258

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41 80 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 48-61 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0700-2200 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	3.0	3.4	3.7	.7	.3						11.6	10.1
NNE	.2	1.3	.4	.6	.1							2.6	8.0
NE	.2	.9	.8		.1	.1						2.1	7.5
ENE		.6	.4									1.1	6.7
E	.3	.6	.3	.2								1.5	6.4
ESE	.2	.2	.3	.1								.7	7.4
SE	.2	.8	.6		.2	.1						1.9	7.6
SSE	.2	.5	.6	1.0								2.2	8.9
S	.4	.7	1.0	.3	.1	.1						2.5	8.0
SSW	.2	1.3	.4	.1								2.0	5.7
SW	1.1	3.7	1.0									5.8	5.1
WSW	.4	5.3	2.2	.1		.1	.1					8.2	6.3
W	1.1	7.9	5.6	.6	.1							15.3	6.2
WNW	.1	1.3	4.4	1.4	.1							7.3	8.9
NW	.4	1.9	4.4	2.0	.2							8.9	8.8
NNW	.2	1.9	3.4	4.1	1.4	.2						11.2	11.4
VARBL													
CALM													
	5.5	31.8	29.2	14.3	2.9	.9	.1					100.	8.

TOTAL NUMBER OF OBSERVATIONS 12

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41 [illegible] DHAHRAN SAUDI ARABIA 46-61 APR
STATION STATION NAME YEARS MONTH

ALL WEATHER [illegible]
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.6	2.5	3.7	2.0	.5						11.4	11.2
NNE	.7	1.1	1.4	1.8	.7	.2						5.6	11.1
NE	.5	.3	.0	.4	.4							3.0	7.2
ENE	.1	.2	.6	.1								1.0	7.7
E	.2	.0	.2	.2								0.6	7.3
ESE	.2	.5	.2	.4	.2							1.5	9.1
SE	.4	.5	.8	.5	.4							2.4	9.3
SSE	.2	.4	.7	1.1								2.4	9.6
S	.1	1.0	.9	.6								2.5	8.4
SSW	.2	1.4	1.4	.5								3.5	7.2
SW	.3	3.3	1.7	.3	.1	.1						5.8	8.5
WSW	.0	3.0	1.9	.4	.1							5.3	8.3
W	1.1	4.0	5.1	1.1	.1	.1						11.6	7.3
WNW	.2	1.7	3.7	2.4	.3							8.4	9.3
NW	.3	1.4	4.4	2.8	.2							9.1	9.4
NNW	.6	1.6	3.3	3.5	2.2	.7	.2					14.0	12.3
VARBL													
CALM												11.2	
	6.1	24.1	30.2	20.0	6.5	1.6	.2					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 1315

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41 65 (STATION) DHAHRAN, SAUDI ARABIA (STATION NAME) 46-61 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.1	3.1	6.6	3.6	1.6						15.1	14.2
NNE	.3	1.0	3.1	2.7	1.6	.9						9.6	12.6
NE	.2	.7	1.4	1.5	.7	.4						4.9	11.9
ENE	.2	.7	.8	.6	.3							2.6	9.3
E		.6	1.7	.9	.2							3.4	9.7
ESE	.1	.9	1.4	.9	.1	.1						3.5	9.4
SE	.6	.7	2.0	1.1	.3							4.6	9.3
SSE	.3	.7	2.0	2.4	.6	.1						6.1	10.9
S	.2	1.0	2.6	2.3	.1			.1				7.1	9.6
SSW	.1	.7	2.1	.6	.1	.1						3.9	8.8
SW	.1	.8	1.4	.8	.1							3.2	8.7
WSW	.3	.9	1.5	.2								2.9	7.1
W	.1	1.1	2.1	.7	.1							4.0	8.4
WNW	.1	1.4	1.5	1.1	.1							4.1	8.6
NW	.1	.9	2.0	2.4	.3	.1						5.8	10.7
NNW	.3	.7	3.0	4.8	2.3	1.4	.3					12.7	14.1
VARBL													
CALM												5.4	
	3.1	14.7	31.8	29.7	10.3	4.6	.3	.1				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 1398

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41 08 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.5	3.1	9.7	5.1	2.7						21.1	15.4
NNE	.1	.5	3.4	6.5	1.7	.3	.1					12.5	13.1
NE	.1	.5	3.4	4.3	.8							9.3	11.6
ENE		.3	4.8	4.1	.2							9.4	10.8
E		1.3	5.3	2.8	.1							9.6	9.9
ESE	.1	1.0	2.2	2.5	.1							5.9	10.2
SE		.6	2.2	2.2	.7	.1						5.7	11.5
SSE		.6	1.9	3.2	1.0	.2						6.9	12.5
S	.2	.7	1.9	.8	.1							3.7	9.0
SSW	.1	.1	.4	.2	.3	.1	.1					1.2	13.1
SW	.2		.3	.1	.1							.6	8.3
WSW	.1	.1		.2				.1				.4	14.2
W	.1	.3	.5	.1	.1							1.1	7.9
WNW	.1	.1	.4	.4		.1						1.1	11.3
NW		.3	.5	.4	.4	.1	.1					1.7	13.1
NNW	.2	.4	1.5	2.7	2.0	1.6	.4					8.8	15.9
VARBL													
CALM												1.1	
	1.3	7.1	31.7	40.3	12.7	5.1	.6	.1				100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 1427

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	Σ	MEAN WIND SPEED
N			2.1	11.8	4.8	2.1						20.7	15.6
NNE		.2	3.3	9.8	1.6							14.9	13.0
NE		.4	6.8	7.0	.4							14.7	11.1
ENE	.1	.6	5.9	7.5	.9							15.0	11.4
E	.1	1.3	4.6	7.0	.5	.1						13.5	11.3
ESE	.1	.6	1.1	2.3	.4							4.5	11.2
SE		.5	1.6	2.4	.2							4.7	11.5
SSE		.1	.7	1.4	.4	.1						2.6	13.1
S		.1	.2	.6	.1							1.1	11.3
SSW		.1	.1									.2	7.0
SW				.1								.1	11.0
WSW			.1		.1							.1	14.5
W			.1									.1	10.0
WNW		.1	.1	.1								.2	6.7
NW		.1	.1	.4								.5	12.3
NNW			.4	2.3	2.4	1.6	.1					6.7	18.2
VARBL													
CALM												.4	
	.2	4.1	27.1	52.5	11.8	3.8	.1					100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 1404

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4 4160 DHAHRAN SAUDI ARABIA 46-61 SEP
STATION STATION NAME YEARS MONTH

ALL WEATHER 1800-2500
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	4.1	8.3	7.6	1.6	.2						22.3	11.5
NNE	.8	4.0	6.2	3.4	.1	.2						14.7	8.5
NE	1.0	5.3	6.9	2.2	.1							15.5	7.6
ENE	.3	2.7	4.8	2.5	.1	.1						11.1	8.5
E	.2	2.4	7.1	4.8	.3							14.8	9.5
ESE	.1	.7	1.5	1.5	.2	.1						4.1	10.4
SE		.1	.4	1.1	.1							1.6	12.1
SSE		.3	.4	.4	.1							1.2	10.3
S	.1	.1	.4	.1								.8	8.0
SSW		.1										.1	4.5
SW			.1									.1	7.0
WSW		.1										.1	5.0
W		.1										.1	4.0
WNW	.1		.1									.1	5.0
NW		.3	.6	.3	.1							1.2	9.8
NNW	.1	.5	2.4	3.4	1.8	.3	.1					8.5	13.0
VARBL													
CALM												3.6	
	3.6	20.9	39.0	27.5	4.4	.9	.1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 1428

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41-160 STATION | DHAHRAN SAUDI ARABIA STATION NAME | 46-61 YEARS | APR MONTH

ALL WEATHER CLASS | 1100-2300 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	6.2	6.0	3.6	1.1	.2						16.9	8.7
NNE	1.2	5.0	3.5	1.4	.1	.1						11.2	6.9
NE	1.7	3.0	2.0	.2	.1							6.9	5.7
ENE	.6	1.1	2.6	.3	.1							4.7	7.3
E	.6	3.3	3.7	1.1		.1						8.7	7.4
ESE	.2	2.0	2.9	1.1								6.1	8.1
SE	.1	1.7	2.3	1.0	.1							5.2	8.4
SSE	.2	.6	.8	.5	.1	.2						2.3	9.3
S	.4	.5	.5	.2								1.5	6.8
SSW	.2	.5	.2									.9	4.9
SW	.2	.5	.2	.1								.8	6.2
WSW	.2	.6	.2	.1								1.1	5.6
W	.2	1.4	.3									1.8	5.3
WNW	.1	.8	.3	.2								1.3	6.6
NW	.4	1.2	1.6	.9	.2	.1						4.3	6.7
NNW	.3	2.2	2.9	4.5	.7		.1	.2				10.8	11.1
VARBL													
CALM												14.5	
	7.0	30.5	29.9	14.8	2.3	.6	.1	.2				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1320

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 DHAHRAN SAUDI ARABIA 46-61 APR
STATION STATION NAME YEARS MONTH

ALL WEATHER ALL
CLASS HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.6	4.2	6.3	2.5	1.0	.0					17.2	12.3
NNE	.4	1.9	2.9	3.4	.7	.2	.0					9.6	10.6
NE	.5	1.7	2.9	2.1	.3	.1						7.5	9.3
ENE	.3	.9	2.6	2.0	.2	.0						6.0	9.7
E	.2	1.5	3.1	2.2	.1	.0						7.3	9.4
ESE	.1	.9	1.3	1.2	.1	.0						3.6	9.5
SE	.2	.8	1.5	1.1	.2	.0						4.0	9.6
SSE	.1	.5	1.0	1.3	.3	.1						3.3	10.6
S	.2	.8	1.0	.7	.0	.0		.0				2.8	8.7
SSW	.1	.6	.6	.2	.0	.0	.0					1.7	7.8
SW	.3	1.4	.6	.2	.0	.0						2.5	6.4
WSW	.3	1.6	.8	.1	.0	.0	.0	.0				2.9	6.3
W	.4	2.4	2.0	.3	.0	.0						5.2	6.6
WNW	.1	.9	1.6	.8	.1	.0						3.4	8.7
NW	.1	1.0	1.9	1.2	.2	.0	.0					4.5	9.4
NNW	.3	1.1	2.5	3.7	1.7	.8	.1	.0				10.2	13.2
VARBL													
CALM												8.5	
	4.2	20.5	30.7	26.8	6.8	2.4	.2	.0				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 10610

USAFETAC FORM JUL 64 0 8 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41167 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 49-61 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	3.2	3.3	3.5	.6	.1						11.9	6.9
NNE	.4	1.3	.6	.4								2.7	6.4
NE	.5	.8	1.2	.3								2.8	7.1
ENE	.2	.6	.2	.1								1.1	5.8
E	.5	.8	.5									1.8	5.0
ESE	.2	.5	.4	.2								1.3	6.6
SE	.2	.5	.5	.2								1.3	7.1
SSE		.2	.3	.1								.6	8.5
S	.2	.5	.2									.3	5.1
SSW	.3	.8	.4		.1							1.6	5.8
SW	.5	2.2	.7	.2								3.5	5.7
WSW	.9	2.9	.8	.2								4.8	5.4
W	1.5	6.5	4.2	.4								12.1	6.0
WNW	.3	2.4	4.2	2.4	.1							9.3	6.6
NW	.3	1.0	5.1	3.6	.2							11.1	9.6
NNW	.1	1.1	4.6	9.4	2.3		.1					17.5	12.4
VARBL													
CALM												15.7	
	6.7	26.3	27.1	20.8	3.7	.1	.1					100.9	7.2

TOTAL NUMBER OF OBSERVATIONS 1301

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 48-61 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 0700-0800 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.2	3.9	3.8	.6							10.9	10.0
NNE	.5	1.4	1.2	.7	.2							4.0	7.9
NE	.5	.9	1.1	.2								2.6	6.5
ENE	.2	.2	.2									.5	5.4
E	.2	.5	.2	.2								.9	6.8
ESE	.2	.5	.2									.8	4.6
SE	.2	.5	.2									1.0	4.8
SSE	.3	.2	.2	.2								.9	6.4
S	.4	.2	.2									.8	4.9
SSW	.2	.5	.1	.1								.8	5.3
SW	.5	1.8	.5	.1	.1							3.0	5.5
WSW	.5	2.9	.9	.2								4.6	5.7
W	1.3	6.9	5.7	.8								14.7	6.4
WNW	.5	1.8	4.9	4.5	.1	.1						11.8	9.9
NW	.3	1.4	5.1	6.1	.7							13.7	10.9
NNW	.4	1.6	3.7	8.5	1.5	.2						16.1	12.0
VARBL													
CALM												12.7	
	6.6	23.7	28.2	25.3	3.2	.3						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 1392

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41660 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
MAY — MONTH
ALL WEATHER — CLASS
0600-2800 — HOURS (L S T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.5	2.7	5.1	1.5	.1						11.2	11.7
NNE	.4	.9	1.2	1.4	.2	.4						4.5	10.9
NE	.4	.8	1.1	.7	.1		.1					3.2	8.9
ENE	.1	.4	.3	.2	.1							1.0	8.4
E	.6	.9	.6	.4								2.4	6.4
ESE	.1	.4	.4	.1								1.1	7.1
SE	.1	.5	.5	.3								1.4	7.6
SSE	.1	.4	.6	.3	.1							1.4	8.5
S	.2	.4	.2	.1	.1							1.1	7.4
SSW	.3	.8	.5	.2								1.8	6.4
SW	.3	1.9	.8	.1								3.2	5.7
WSW	.4	2.2	2.1	.3								5.0	6.5
W	.6	4.1	5.6	1.7	.1							12.2	7.8
WNW	.6	2.7	3.8	5.8	.7	.1						13.8	10.4
NW	.3	1.9	4.2	6.3	.9							13.6	10.9
NNW	.3	.9	3.7	7.2	3.2	1.1	.1					16.5	13.4
VARBL													
CALM												7.6	
	5.0	20.0	28.4	30.3	7.0	1.7	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 1389

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 45-61 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.1	4.3	7.5	5.1	2.9	.1					21.0	14.9
NNE	.1	.7	2.4	3.2	1.7	.3						8.4	12.9
NE	.1	.2	2.0	1.3	.4	.5						4.5	12.3
ENE	.2	1.0	1.0	.6								2.8	7.7
E	.2	.5	.8	.6	.2	.1						2.4	9.5
ESE	.2	.5	1.0	.5								2.3	8.1
SE	.1	.7	1.3	.6								2.8	8.8
SSE		.3	1.1	.8	.1							2.8	9.4
S	.4	.6	1.6	1.0		.1						3.7	8.9
SSW	.1	.5	1.0	.4								1.9	8.2
SW		.3	1.3	.1								1.6	7.7
WSW	.4	.8	1.1	.3								2.5	7.0
W	.2	1.3	1.8	.5	.1	.1						4.0	8.1
WNW	.1	1.3	2.0	1.6	.1	.2						5.3	9.8
NW	.2	.9	2.3	2.8	.8	.1						7.2	11.3
NNW	.3	1.3	3.2	8.6	7.3	2.8	.2	.1				23.5	15.6
VARBL													
CALM												3.3	
	2.7	12.1	28.3	30.2	16.0	7.0	.4	.1				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 1421

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 45-61 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.2	2.6	12.0	7.4	3.7	.4					26.5	16.3
NNE		.4	3.4	6.4	2.4	1.0						13.5	13.8
NE	.1	.6	2.9	5.2	1.2	.4						11.4	12.6
ENE		.6	3.2	2.4	.4							6.5	10.8
E		.8	3.6	2.2	.3	.1						7.0	10.5
ESE		.7	1.8	1.8	.1							4.3	10.4
SE	.1	.2	2.6	1.0	.1							3.9	10.0
SSE		.4	1.1	.8	.1							2.3	10.1
S		.2	.7	.4	.1							1.4	10.0
SSW	.1	.2	.1		.1	.1						.6	10.3
SW		.1	.1	.2		.1						.4	11.7
WSW		.1	.1	.1								.4	8.6
W		.1	.2	.1		.1						.4	11.7
WNW		.1	.2	.1	.1							.5	10.3
NW	.1	.1	.4	.4	.1	.1	.1					1.2	12.9
NNW		.4	1.8	6.0	5.5	4.7	.4					18.7	17.5
VARBL													
CALM												1.0	
	.4	5.2	24.6	40.0	17.7	10.2	.8					100.0	13.9

TOTAL NUMBER OF OBSERVATIONS 1426

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			1.8	13.5	9.1	2.6	.2					27.2	16.7
NNE		.1	3.2	9.7	2.9	.3	.1					16.3	13.7
NE	.1	.4	5.8	8.1	1.1	.2						15.6	12.5
ENE		.1	3.0	6.4	.8							11.2	12.3
E	.1	.3	2.4	5.3	.8	.1						8.9	12.3
ESE		.1	.9	1.1								2.1	11.2
SE		.3	.8	.7								1.8	10.3
SSE		.1	.4	.4	.1		.1					.9	13.0
S			.1		.1							.1	14.0
SSW		.1		.1	.1							.3	12.8
SW													
WSW													
W													
WNW					.1							.1	20.0
NW				.2	.1	.1						.4	19.3
NNW			.5	4.8	5.9	3.3	.3					14.6	18.2
VARBL													
CALM												.2	
	.1	1.4	19.8	50.4	20.9	6.6	.6					100.0	14.4

TOTAL NUMBER OF OBSERVATIONS 1426

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 DHAHRAN, SAUDI ARABIA 45-61 MAY
STATION STATION NAME YEARS MONTH

ALL WEATHER 1100-1400
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	3.9	10.9	3.7	2.0	.1						20.7	10.7
NNE	.6	2.9	7.9	3.4	.6	.1						15.6	9.2
NE	.8	3.7	4.9	2.3	.4	.1						12.2	8.5
ENE	.4	2.2	3.3	1.6	.4							7.7	9.1
E	.1	2.3	4.2	2.8	.3	.1						9.5	9.5
ESE	.2	.5	.7	.9								2.3	9.0
SE	.1	.5	.1	.1	.1							1.1	8.4
SSE	.1	.3	.3	.2								.9	7.5
S	.2	.1	.1		.1							.5	8.4
SSW				.1								.1	15.0
SW	.1											.1	3.0
WSW	.1											.1	3.0
W		.1	.1	.1								.3	9.3
WNW				.1								.1	12.5
NW	.1	.3	.4	.4	.1	.1						1.3	10.2
NNW	.1	1.2	5.5	3.7	2.8	.5						16.9	12.5
VARBL													
CALM												3.1	
	3.0	17.5	38.4	21.1	6.9	1.0						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 1426

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

[illegible] DHAHRAN SAUDI ARABIA 46-61 MAY
STATION STATION NAME YEARS MONTH

ALL WEATHER [illegible]
CLASS HOURS LST

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	5.9	7.4	4.1	.7		.1					19.9	[illegible]
NNE	.9	3.7	2.2	1.2	.1							.1	6.9
NE	.4	2.9	1.5	.4								[illegible]	6.3
ENE	.4	1.3	1.1	.5	.1							3.	7.4
E	.2	2.3	1.3	.7								[illegible]	7.1
ESE	.1	.7	1.2	.2	.1	.1						[illegible]	[illegible]
SE	.3	.6	.6	.4	.1							[illegible]	7.7
SSE		.2	.4	.2								1.2	7.6
S	.2	.5	.1									[illegible]	4.7
SSW	.1	.4	.2									.7	[illegible]
SW	.4	.5	.1	.1								[illegible]	[illegible]
WSW	.1	.7	.2	.1								1.2	5.9
W	.2	1.5	.6	.1								2.4	5.4
WNW		1.2	2.3	.7	.1							4.4	[illegible]
NW	.4	1.7	2.9	1.5	.4	.2						[illegible]	[illegible]
NNW	.4	2.7	8.3	8.2	1.5	.1		.1				[illegible]	10.5
VARBL													
CALM												14.2	
	5.9	36.9	30.5	19.2	2.8	.4	.1	.1				100.3	7.2

TOTAL NUMBER OF OBSERVATIONS 1364

USAFETAC FORM 0-8-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41EC — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
MAY — MONTH
ALL WEATHER — CLASS
ALL — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.2	4.6	7.5	2.4	1.2	.1					19.5	12.9
NNE	.3	1.4	2.8	3.4	1.0	.3	.0					9.3	11.2
NE	.3	1.3	2.6	2.5	.4	.2	.0					7.3	10.3
ENE	.2	.7	1.7	1.5	.2							4.3	10.0
E	.2	1.0	1.7	1.5	.2	.0						4.6	9.6
ESE	.1	.5	.8	.6	.0	.0						2.1	9.0
SE	.1	.5	.9	.4	.0							2.0	8.6
SSE	.1	.4	.5	.4	.0		.0					1.4	9.1
S	.2	.3	.4	.2	.0	.0						1.2	7.8
SSW	.1	.4	.3	.1	.0	.0						1.0	7.1
SW	.2	.3	.4	.1	.0	.0						1.0	6.1
WSW	.3	1.2	.6	.1								2.3	6.1
W	.4	2.5	2.2	.5	.0	.0						5.6	6.9
WNW	.2	1.1	2.1	1.0	.2	.0						5.4	9.7
NW	.2	1.0	2.5	2.6	.4	.1	.0					6.3	10.6
NNW	.3	1.1	3.9	7.6	3.8	1.6	.1	.0				19.4	14.1
VARBL													
CALM												7.1	
	3.7	16.4	28.2	30.0	9.9	3.5	.3	.0				100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 11055

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41676 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 48-61 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0300-0900 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	2.1	1.7	1.8	.4							6.1	9.4
NNE	.4	.6	.6	.2								1.7	5.9
NE	.2	.5	.1									.7	4.2
ENE	.2	.4										.6	4.0
E	.2	.3										.5	4.2
ESE		.1										.1	4.0
SE													
SSE	.1	.2										.3	4.0
S	.1	.5										.6	4.2
SSW	.2	.4	.1									.6	4.4
SW	.7	1.7	.6									3.1	4.9
WSW	.6	3.4	2.6	.1								7.0	6.0
W	.5	9.2	6.6	.6								16.7	6.6
WNW	.4	2.8	6.6	2.0	.2							12.0	8.6
NW	.3	1.9	5.1	6.7	1.4	.1						15.4	11.0
NNW	.2	1.7	5.6	8.9	4.0	1.1						22.4	13.0
VARBL													
CALM												12.3	
	4.3	25.5	29.5	21.3	6.0	1.2						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 1259

USAFETAC FORM 0-8-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 43-61 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0300-0600 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.3	1.0	1.4	.4							4.4	9.6
NNE	.1	.2	.4									.7	6.8
NE	.1	.3	.2									.6	5.9
ENE	.2											.2	2.7
E		.1										.1	5.2
ESE													
SE													
SSE	.1	.2										.2	3.3
S	.1	.2										.3	4.0
SSW	.2											.3	2.8
SW	.3	.8	.5									1.6	5.2
WSW	.5	2.2	2.0									4.5	6.2
W	1.2	9.0	7.7	.8								18.7	6.7
WNW	.1	2.1	7.5	6.3	.7	.1						16.9	10.3
NW	.3	2.5	8.5	9.8	3.1	.5						24.5	11.6
NNW	.2	1.0	4.4	9.0	3.1	.4						18.0	13.0
VARBL													
CALM												6.8	
	3.6	19.8	32.1	27.4	7.3	1.0						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 1260

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 0600-1800 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.8	1.1	1.2	.7	.2						4.1	11.8
NNE		.4	.4	.3								1.0	8.4
NE		.1	.1	.3								.5	9.1
ENE	.1	.1	.1									.3	5.3
E	.1											.1	3.0
ESE													
SE													
SSE													
S	.2	.3	.2									.7	5.1
SSW	.1	.4	.2									.6	5.2
SW	.2	.6	.4	.1								1.3	6.2
WSW	.6	1.5	2.2	.4								4.6	6.7
W	.6	5.6	7.1	2.0	.3							15.6	7.9
WNW	.3	1.5	8.4	9.6	1.0	.1						20.9	11.1
NW	.2	1.4	6.9	12.5	3.0	.3	.1					24.4	12.3
NNW	.4	1.1	2.9	10.4	4.1	1.6						21.4	14.1
VARBL													
CALM												4.3	
	2.9	13.8	31.0	36.7	9.1	2.2	.1					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 1380

USAFETAC FORM 0-8-5 (OL A) (JUL 64) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41165 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 2000-1100 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.2	2.6	6.4	4.8	1.8	.3					17.2	14.9
NNE	.1	.2	.9	.9	.9							2.9	13.2
NE	.1	.6	1.1	.4	.1							2.4	8.6
ENE		.7	.6	.1								1.3	6.9
E	.1	.4	.3	.1								.9	7.3
ESE		.2	.1	.1								.4	7.5
SE		.1	.2									.3	7.8
SSE	.1		.4									.5	7.0
S	.1	.1	.6	.1								.8	8.5
SSW	.1	.1	.3									.5	6.5
SW	.1	.9	.5	.3								1.8	7.0
WSW	.1	.6	.9									1.7	6.5
W	.1	1.5	2.0	.9	.3							4.8	8.5
WNW		1.3	1.8	2.3	.2							5.6	10.3
NW	.1	1.7	3.4	7.2	1.8	.9	.1					15.2	12.7
NNW		1.3	3.8	13.3	13.4	7.3	1.3	.1				40.6	17.2
VARBL													
CALM												3.0	
	1.3	11.0	19.4	32.1	21.4	9.9	1.7	.1				100.0	13.6

TOTAL NUMBER OF OBSERVATIONS 1410

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41[illegible] DHAHRAN SAUDI ARABIA 46-61 JUL
STATION STATION NAME YEARS MONTH

ALL WEATHER 1200-1400
CLASS HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	3.3	12.1	9.7	6.7	.4	.1				32.4	17.1
NNE	.1	.1	2.4	5.8	2.3	.1						10.8	13.5
NE		.3	2.6	3.1	.3							6.2	11.4
ENE		.3	2.7	1.5	.2							4.5	10.1
E		.4	2.5	.6								3.5	8.7
ESE		.2	.6	.1								1.1	7.7
SE		.3	.4	.1								.5	7.9
SSE	.1		.3									.4	7.3
S		.4		.1								.5	6.6
SSW			.2	.1								.3	10.6
SW	.1	.1										.2	4.7
WSW	.1	.1										.2	3.7
W		.1	.3									.4	7.3
WNW		.1	.3	.2	.1							.7	10.3
NW		.2	.3	.6	.5	.1						1.8	13.7
NNW		.4	2.6	8.3	11.6	9.9	2.1	.1	.1			35.1	19.1
VARBL													
CALM												.9	
	.3	3.5	18.7	32.5	24.6	16.9	2.5	.2	.1			100.0	15.8

TOTAL NUMBER OF OBSERVATIONS 1440

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41603 DHAHRAN SAUDI ARABIA 46-61 JAN
STATION STATION NAME YEARS MONTH

ALL WEATHER 1500-1700
CLASS HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	2.5	16.0	10.9	4.5	.4					34.3	16.5
NNE			3.8	8.4	2.3	.6						15.1	13.9
NE		.4	5.4	5.2	.5							11.4	11.1
ENE		.1	3.2	2.7								6.0	10.5
E		.4	2.4	.7								3.5	9.5
ESE		.2	.4									.6	8.0
SE		.1	.4									.6	8.3
SSE													
S			.1									.1	10.0
SSW													
SW	.1											.1	3.0
WSW													
W													
WNW													
NW				.1	.1	.1						.4	16.2
NNW			.0	7.0	11.3	7.2	1.6					27.9	19.2
VARBL													
CALM													
	.1	1.3	19.0	40.1	25.0	12.5	1.0					100.0	15.5

TOTAL NUMBER OF OBSERVATIONS 1413

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41 60 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
JAN — MONTH
ALL WEATHER — CLASS
1800-2000 — HOURS (L S T)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	4.3	12.4	10.4	2.0	.2						29.7	11.5
NNE	.4	4.6	6.5	2.3	.1							13.9	7.9
NE	.2	3.8	4.4	1.0								9.4	7.4
ENE	.3	1.5	2.0	.2								4.0	7.0
E	.1	1.5	1.4	.3								3.2	7.3
ESE	.1	.1	.2	.2								.5	6.0
SE	.1	.1										.1	3.5
SSE	.1	.1										.1	4.0
S	.1											.1	2.0
SSW													
SW	.1	.1										.1	4.5
WSW													
W	.1											.1	3.0
WNW	.3	.1	.2	.1								.7	5.9
NW		.5	.8	.4								1.7	9.0
NNW	.1	1.9	9.7	15.0	4.8	1.5						32.8	12.8
VARBL													
CALM												3.4	
	2.1	18.5	37.6	29.9	6.9	1.7						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 1440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41 oC (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 45-61 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0100-2300 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	4.5	5.7	1.9	.3							13.3	7.8
NNE	1.0	2.6	1.5	.1								5.2	5.5
NE	.5	1.5	.5	.1								2.7	5.2
ENE	.4	1.7	.2	.1								2.4	5.0
E	.2	.9	.8	.1								1.9	6.3
ESE	.2	.2	.1	.1								.5	5.7
SE		.5	.2									.8	6.0
SSE	.1	.1										.2	3.5
S	.1	.1										.2	3.0
SSW	.1	.2	.1									.3	5.3
SW	.3	1.1	.5									2.4	4.8
WSW	.4	1.7	.8									2.9	5.6
W	.7	3.3	1.3	.1								5.3	5.5
WNW		.8	2.8	1.1								4.8	9.1
NW	.4	2.3	4.2	2.6	.3							9.8	9.1
NNW	.2	3.8	10.1	13.1	3.0	.6						30.8	11.6
VARBL													
CALM												16.7	
	5.9	25.3	28.9	19.2	3.6	.6						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1320

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARAPIA (STATION NAME) 46-61 (YEARS) JU (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.9	3.9	6.6	3.8	1.7	.1	.0				18.2	13.6
NNE	.2	1.1	2.1	2.3	.7	.1						6.6	10.8
NE	.1	1.0	1.9	1.3	.1							4.4	9.3
ENE	.1	.6	1.2	.6	.0							2.5	8.5
E	.1	.5	1.0	.3								1.7	8.0
ESE	.0	.1	.2	.1								.4	7.4
SE	.0	.1	.2	.0								.3	7.2
SSE	.1	.1	.1									.2	5.7
S	.1	.2	.1	.0								.4	5.9
SSW	.1	.1	.1	.0								.4	5.9
SW	.3	.7	.3	.0								1.3	5.5
WSW	.3	1.1	1.0	.1								2.5	6.2
W	.4	3.4	3.0	.5	.1							7.4	7.0
WNW	.1	1.0	3.3	2.6	.3	.0						7.4	10.1
NW	.2	1.3	3.5	4.9	1.2	.2	.0					11.4	11.7
NNW	.1	1.4	5.1	10.8	7.0	3.8	.7	.0	.0			28.9	15.4
VARBL													
CALM												5.9	
	2.5	14.5	26.9	30.1	13.3	5.9	.8	.0	.0			100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 17919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41656 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0300-0300 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.8	.5	.3	.1	.1						3.7	5.7
NNE	.2	1.0	.4	.1								1.6	5.6
NE	.3	.6	.1									.9	5.2
ENE	.4	.9	.5	.2								1.9	6.5
E	.3	1.5	.2	.2								2.2	5.7
ESE	.2	.7	.4	.1								1.4	5.6
SE	.1	.6	.3	.1								1.1	5.7
SSE	.2	.2	.2	.1								.7	6.2
S	.4	.3	.1									.8	3.9
SSW	.2	.4	.2									.9	4.9
SW	1.4	2.5	1.3	.1								5.2	5.4
WSW	1.1	5.3	2.5	.1								8.7	5.7
W	1.2	11.8	7.1	.4								20.6	6.2
WNW	.1	2.6	7.7	2.8								13.2	6.7
NW	.3	1.8	4.9	6.0	.6							13.5	10.6
NNW	.2	.9	2.7	4.3	1.5	.1						9.7	12.2
VARBL													
CALM												13.6	
	7.5	32.6	29.0	14.7	2.2	.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41606 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) Jul (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.2	.1									1.2	4.2
NNE	.1	.2	.3									.6	6.2
NE	.1	.4	.2									.7	5.0
ENE			.1									.1	9.5
E	.2	.6	.4	.1								1.3	6.8
ESE	.3	.1	.2									.5	5.3
SE	.1	.3	.4	.2								.9	7.6
SSE	.1	.1		.1								.4	5.5
S	.4	.4	.1									.6	4.0
SSW	.5	.3										1.0	4.1
SW	.6	1.1	.6									2.4	5.0
WSW	.6	3.2	2.2	.1								5.9	5.9
W	1.4	7.2	9.5	1.1								19.1	7.0
WNW	.7	3.2	11.2	6.5	.3							21.6	9.4
NW	.4	1.8	6.7	1.6	.9							10.2	11.4
NNW	.4	.3	3.5	4.4	.9							10.0	11.0
VARBL													
CALM	-	-	-	-	-	-	-	-	-	-	-	12.7	
	6.3	23.7	35.3	22.9	2.0							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1395

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41 65 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
45-71 — YEARS
JUL — MONTH
ALL WEATHER — CLASS
0600-0900 — HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.6	.5	.2	.3							2.1	7.9
NNE	.1	.4	.4	.1								1.1	6.5
NE	.3	.4	.1	.1								1.0	5.7
ENE		.2	.1									.4	6.4
E	.1	.5	.4	.2								1.3	7.3
ESE	.1	.5	.4	.2								1.3	7.2
SE	.1	.5	.4	.6								1.6	8.8
SSE	.3	.2	.1									1.2	4.5
S	.3	.3	.4									1.0	5.5
SSW	.5	.4	.1	.1								1.5	4.8
SW	.4	.7	.7									1.9	5.4
WSW	.7	2.4	1.2	.1								4.4	5.9
W	.6	3.1	7.2	2.5								13.3	8.4
WNW		2.1	13.2	13.5	1.1							29.9	10.5
NW	.4	1.5	5.5	11.4	2.5	.1	.1					23.4	11.6
NNW	.4	1.2	2.2	5.6	1.3							11.5	10.3
VARBL													
CALM												.1	
	4.6	16.4	32.5	33.6	4.7	.1	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1425

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41[illegible] DHAHRAN SAUDI ARABIA 46-61 JUL
STATION STATION NAME YEARS MONTH

ALL WEATHER 0[illegible]-11[illegible]
CLASS HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.7	2.5	6.7	3.1	1.0						14.[illegible]	14.[illegible]
NNE	.2	.5	1.2	1.2	.2	.1						[illegible].2	1[illegible].7
NE	.1	.5	1.3	.7	.1							2.7	[illegible].0
ENE	.2	1.[illegible]	1.[illegible]	.2								2.[illegible]	7.[illegible]
E	.3	.[illegible]	1.[illegible]	.[illegible]	.1							[illegible].[illegible]	7.[illegible]
ESE	.1	.4	1.3	.4								2.2	[illegible].4
SE	.1	.9	1.1	.6								2.[illegible]	7.[illegible]
SSE	.2	.2	.3	.1	.1							1.4	9.1
S	.1	.6	.9	.1								1.[illegible]	7.1
SSW	.2	.4	.6		.1							1.3	7.[illegible]
SW	.1	1.[illegible]	.[illegible]									1.[illegible]	[illegible].1
WSW	.1	.[illegible]	.[illegible]	.2								1.[illegible]	7.9
W	.3	1.4	1.9	1.3	.3							[illegible].3	[illegible].5
WNW	.3	1.4	3.[illegible]	2.7	.2	.1						7.[illegible]	10.[illegible]
NW	.3	1.7	4.9	6.5	2.5	.3						15.[illegible]	12.1
NNW	.3	.[illegible]	4.1	1[illegible].6	10.2	3.7						[illegible].7	10.5
VARBL													
CALM												4.3	
	3.3	12.[illegible]	26.5	3[illegible].5	16.6	[illegible].[illegible]						[illegible][illegible].[illegible]	11.7

TOTAL NUMBER OF OBSERVATIONS 14[illegible]7

USAFETAC FORM [illegible] [illegible] OBSOLETE [illegible]

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41[illegible] DHAHRAN SAUDI ARABIA [illegible] JUL
STATION STATION NAME YEARS MONTH

ALL WEATHER 1200-1400
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.3	2.3	13.6	5.0	3.6	.1					[illegible].4	10.2
NNE		.7	2.2	.4	1.7	.2						[illegible].5	13.3
NE	.1	.7	4.2	[illegible].7	.5	.1						11.9	11.6
ENE		.5	3.2	3.3	.1							6.[illegible]	11.[illegible]
E		1.1	3.8	2.4	.3	.1						7.7	10.2
ESE	.1	.[illegible]	1.6	.7								[illegible].3	8.5
SE		.[illegible]	1.3	.5	.1							2.[illegible]	9.6
SSE	.1	.1	.2	.2								.5	8.9
S		.1	.1									.2	7.[illegible]
SSW		.1		.1								.1	[illegible].5
SW		.1										.1	5.[illegible]
WSW	.1		.1									.1	8.5
W		.2	.2	.2	.1							.[illegible]	9.[illegible]
WNW	.1	.1	.3	.2	.1							.7	9.[illegible]
NW		.1	.7	1.[illegible]	1.3	.7	.1					4.5	16.[illegible]
NNW		.3	1.0	6.0	7.[illegible]	[illegible].3	1.[illegible]	.1				[illegible]1.1	13.6
VARBL													
CALM												.1	
	.4	4.7	[illegible]1.[illegible]	4[illegible].4	21.0	10.[illegible]	1.7	.1				[illegible].0	14.4

TOTAL NUMBER OF OBSERVATIONS 1428

[illegible] OL A[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41 [illegible] DHAHRAN SAUDI ARABIA 46-51 JUL
STATION STATION NAME YEARS MONTH

ALL WEATHER 1500-1700
CLASS HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			1.9	17.5	12.1	2.?	.1					?4.	16.2
NNE			?.6	9.3	2.?	.1						1?.4	13.3
NE	.1	.3	6.5	7.9	.7							1?.4	11.7
ENE		.6	4.5	5.6	.4							11.1	11.3
E		.?	4.2	3.1	.5							?.3	11.?
ESE		.1	.4	.1	.1							.?	12.?
SE				.1	.1							.2	15.?
SSE													
S													
SSW													
SW													
WSW													
W			.1	.1								.1	11.?
WNW						.1						.1	25.?
NW			.?	1.1	.4	.1	.1					2.?	2?.?
NNW			.?	?.?	?.6	?.7	.?					12.?	18.4
VARBL													
CALM												.1	
	.1	1.4	21.3	47.4	23.?	5.?	.5	.1				1??.?	14.4

TOTAL NUMBER OF OBSERVATIONS 14?7

USAFETAC FORM [illegible] OBS OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41056 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-63 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1800-2400 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	6.2	12.7	7.0	.9							28.2	9.4
NNE	.6	3.9	6.3	2.8								13.5	8.2
NE	1.1	5.6	6.6	1.8		.1						15.2	7.3
ENE	.5	2.3	4.9	1.7								9.3	8.3
E	.5	2.1	3.5	1.7	.2							8.0	8.6
ESE	.1	.2	.3	.4	.1							1.1	9.4
SE	.1	.1		.1	.1							.5	9.3
SSE	.1			.1								.1	9.5
S			.1	.1								.1	11.0
SSW		.1										.1	4.0
SW	.1											.1	3.0
WSW													
W			.1									.1	7.0
WNW		.1	.1									.1	6.5
NW		.3	1.7	1.5	.3	.1						4.0	11.6
NNW	.1	1.1	3.2	6.9	1.9	.3						13.5	11.9
VARBL													
CALM												4.3	
	3.6	21.5	41.5	24.9	3.6	.4						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 1498

USAFETAC FORM 0-8-5-OL A (OL 64) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	4.9	2.9	.3								9.4	5.9
NNE	.8	2.5	.6	.2								4.1	5.2
NE	1.3	2.3	1.2	.1								4.8	5.1
ENE	.4	1.5	1.1	.2								3.2	6.2
E	.8	1.9	2.0	.6								5.3	6.8
ESE	.6	1.5	.8	.2								2.5	6.2
SE	.4	.3	.2	.1								1.5	5.8
SSE	.1	.1		.1								.3	6.5
S	.6	.1										.6	2.6
SSW	.5	.6	.1									1.1	4.1
SW	.9	1.9	.5									3.3	4.6
WSW	.9	2.5	.4									3.7	4.7
W	1.1	4.3	1.3									6.7	5.1
WNW	.1	1.9	2.3	.1								4.4	7.1
NW	.6	2.2	4.7	2.0	.4							10.0	6.9
NNW	.4	4.3	7.8	4.3	1.3							18.0	9.5
VARBL													
CALM												1.1	
	10.4	32.7	25.7	8.3	1.7							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 1426

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.9	3.0	5.8	3.3	1.0	.0					15.7	13.1
NNE	.3	1.1	1.9	2.6	.5	.1						6.4	10.6
NE	.4	1.4	2.5	2.0	.2	.0						6.6	9.3
ENE	.2	.9	1.9	1.4	.1							4.5	9.4
E	.3	1.1	2.0	1.1	.1	.0						4.6	8.9
ESE	.2	.5	.7	.3	.0							1.6	7.6
SE	.1	.4	.5	.3	.0							1.3	8.0
SSE	.1	.2	.2	.1	.0							.6	7.1
S	.2	.2	.2	.0								.6	5.4
SSW	.2	.4	.1	.0	.0							.8	5.1
SW	.4	.9	.5	.0								1.8	5.2
WSW	.4	1.7	.6	.1								3.0	5.8
W	.6	3.4	3.4	.8	.0							8.1	7.0
WNW	.2	1.4	4.2	2.8	.2	.0						8.8	9.7
NW	.2	1.2	3.6	4.6	1.1	.2	.0	.0				11.6	11.6
NNW	.2	1.1	3.3	5.9	3.8	1.6	.2	.0				16.1	14.3
VARBL													
CALM												8.1	
	4.5	17.7	29.2	28.1	9.5	2.9	.2	.0				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 11531

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0000-2200 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.4	.4									2.4	4.6
NNE	.3	.8	.3	.1								1.5	5.7
NE	.4	1.1	.3									1.9	4.7
ENE	.3	.9	.4									1.5	5.7
E	.4	.7	.1									1.2	4.1
ESE	.3	.4	.1	.1								.9	5.2
SE	.1	.4	.3									.9	5.3
SSE	.5	.1	.1									.7	3.5
S	.4	.3										.6	3.7
SSW	.1	.7										.9	4.8
SW	.4	2.3	1.2	.1								4.1	5.8
WSW	2.2	6.3	2.7	.3								11.5	5.4
W	2.2	11.6	8.3	.5	.1							22.6	6.2
WNW	.7	4.3	5.5	2.2								12.5	7.9
NW	.9	3.8	2.9	1.7	.1							9.5	7.6
NNW	.5	.9	1.5	3.2	.4							6.2	11.1
VARBL													
CALM												2.1	
	10.2	35.1	23.8	8.2	.6							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41616 DHAHRAN SAUDI ARABIA 47-61 AUG
STATION STATION NAME YEARS MONTH

ALL WEATHER 0300-0500
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.5	.9	.1								2.9	5.8
NNE	.4	1.2	.5									2.1	5.1
NE	.4	.6	.4	.1								1.4	5.6
ENE	.1	.6	.2									1.0	5.2
E	.1	.3	.1									.5	6.0
ESE	.1	.4	.3									.7	6.2
SE	.2	.5	.2									.9	5.5
SSE	.1	.3										.4	3.7
S	.2	.1										.4	3.2
SSW	.3	.2	.1									.6	4.1
SW	.6	1.4	.4									2.5	5.1
WSW	.8	3.7	2.4									6.9	5.7
W	1.4	7.8	11.6	1.3								22.2	7.1
WNW	.4	3.3	10.1	5.0								18.9	9.1
NW	.3	3.4	8.6	4.2	.1							17.1	8.9
NNW	.4	1.1	2.7	3.2	.6							7.9	10.1
VARBL													
CALM												14.0	
	6.9	26.5	38.5	12.9	.6							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1394

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

0600-0800 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	1.3	1.0								4.5	7.3
NNE	.4	.6	.3	.4								1.6	6.8
NE	.5	.5	.2									1.3	4.5
ENE	.3	.7										1.0	4.6
E	.4	.6	.3	.1								1.4	6.1
ESE	.1	.2	.5	.2	.1							1.1	8.5
SE	.1	.1	.2	.1								.6	6.1
SSE		.1	.1									.2	7.7
S	.3	.4	.1									.8	4.8
SSW	.1	.6	.6									1.3	6.1
SW	.7	.8	.6									2.0	5.0
WSW	.7	2.6	1.5	.2								5.0	6.1
W	1.3	5.5	6.7	2.5	.1							16.0	7.6
WNW	.8	2.4	9.6	9.4	.5							22.7	10.1
NW	.2	2.7	7.3	7.3	1.0							18.4	10.3
NNW	.6	1.5	3.8	3.7	.6							10.2	10.0
VARBL													
CALM												11.5	
	7.4	20.7	33.1	24.8	2.2							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1427

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

404160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.3	5.0	5.8	3.7	.5	.1					17.6	12.4
NNE	.2	1.2	1.9	2.4	.4	.1						6.2	11.2
NE	.3	1.1	1.4	.5								3.3	7.7
ENE	.2	1.0	.9	.6								2.7	7.7
E	.4	1.5	2.0	.3								4.3	7.2
ESE	.1	.4	.5	.5	.1							1.5	6.9
SE	.1	.5	.5	.3								1.4	7.7
SSE		.5	.4	.1								1.0	7.1
S	.3	.8	.3									1.4	5.6
SSW		.4	.5									.9	7.2
SW	.1	1.1	.9	.1								2.3	6.5
WSW	.1	1.4	1.4	.1	.1							3.1	6.9
W	.3	2.1	2.6	.8								5.8	7.4
WNW	.1	1.2	4.6	3.9	.1							9.9	10.1
NW	.3	1.4	4.9	4.9	1.2	.3						13.0	11.3
NNW	.1	1.1	4.6	9.5	4.3	1.2						20.7	13.8
VARBL													
CALM												4.8	
	2.9	18.0	32.4	29.9	9.8	2.1	.1					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 1458

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41 60 (STATION) CHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.5	3.5	14.5	8.1	1.3	.1					28.2	15.0
NNE	.1	.5	4.0	8.8	1.9	.?						15.5	13.0
NE	.1	.5	4.6	5.2	.9							11.2	11.5
ENE	.1	1.3	4.0	4.6	.2							10.2	10.6
E	.1	1.5	4.8	2.8	.1							9.5	9.5
ESE		.5	1.5	.4								2.5	8.5
SE		.3	.9	.5								1.7	9.3
SSE			.1									.1	8.0
S		.4	.1									.5	5.7
SSW		.1	.3	.1								.4	8.0
SW		.3	.1									?	6.4
WSW		.1	.2									.3	7.3
W	.1	.1	.1									.3	5.5
WNW		.1	.4	.1	.1							.7	9.3
NW		.1	.9	1.4	.7	.3						3.6	14.0
NNW		.4	1.5	4.8	5.?	1.9	.1					14.0	16.3
VARBL													
CALM												1.1	
	.5	6.7	27.2	43.3	17.3	3.8	.2					100.0	12.8

TOTAL NUMBER OF OBSERVATIONS 1488

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41 65 — STATION — DHAHRAN DAJOI ARABIA — STATION NAME — 46-61 — YEARS — ANL — MONTH

ALL WEATHER — CLASS — 1500-1700 — HOURS (L S T)

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			2.1	18.0	8.1	1.						29.2	13.2
NNE		.2	4.9	10.8	2.1	.1						18.2	12.7
NE		.3	7.6	9.9	1.0							18.2	11.4
ENE		.7	6.0	7.2	.5							14.4	11.4
E		.6	4.7	3.2	.5							9.1	10.7
ESE	.1	.1	.3	.1								.5	8.5
SE	.1		.4	.1	.1							.6	8.7
SSE													
S													
SSW													
SW													
WSW		.1										.1	6.5
W													
WNW													
NW				.2	.4	.2						.8	13.8
NNW			.2	3.1	3.5	.9	.1					7.8	17.5
VARBL													
CALM												.1	
	.1	2.3	25.3	52.6	16.3	2.2	.1					100.0	13.2

TOTAL NUMBER OF OBSERVATIONS 1457

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4 41 6C — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
ANN — MONTH
ALL WEATHER — CLASS
1800-2100 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	7.9	11.6	6.7	.3	.1						27.4	8.7
NNE	.5	6.7	9.9	2.3								19.3	7.6
NE	1.3	6.6	9.1	1.7								18.7	7.2
ENE	.5	3.6	5.6	1.8	.2							11.6	8.2
E	.7	3.4	3.7	1.7	.1							9.2	8.1
ESE	.1	.3	.1									.5	5.2
SE	.1	.1										.2	4.3
SSE	.1											.1	2.5
S	.1	.1										.1	4.5
SSW													
SW	.1	.1										.1	3.5
WSW													
W	.1	.1										.2	4.3
WNW			.1									.1	9.2
NW	.1	.4	.7	.1								1.3	7.6
NNW		1.3	3.5	3.4	.1	.1						8.5	10.4
VARBL													
CALM												3.5	
	3.9	30.6	43.2	17.8	.7	.1						170.3	7.9

TOTAL NUMBER OF OBSERVATIONS 1486

USAFETAC FORM JUL 64 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4_41_0_ DHAHRAN SAUDI ARABIA 45-61 Au
STATION STATION NAME YEARS MONTH

ALL WEATHER 1[illegible]-2[illegible]
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	6.5	3.4	.6	.1							12.3	[illegible]
NNE	1.3	4.5	1.1	.1								7.1	[illegible]
NE	1.9	3.5	1.3									7.1	4.8
ENE	.2	1.9	.6	.1								2.7	5.5
E	1.3	2.9	1.[illegible]	.2								[illegible].4	[illegible].5
ESE	.5	.7	.4									1.6	[illegible].2
SE	.1	.4	.1									.6	4.3
SSE	.2	.4										.6	4.1
S	.5	.[illegible]	.1	.1								.[illegible]	[illegible].
SSW	.3	.4										.8	[illegible].8
SW	.9	1.[illegible]	.6	.1								2.2	4.7
WSW	.6	[illegible].[illegible]	1.1									4.[illegible]	[illegible].2
W	1.1	4.7	.9									6.7	4.9
WNW	.4	1.[illegible]	1.[illegible]	.2								[illegible].4	6.6
NW	1.[illegible]	[illegible].2	2.2	.4								[illegible]	[illegible].5
NNW	.9	[illegible].[illegible]	[illegible].4	2.[illegible]	.2							[illegible].[illegible]	[illegible].3
VARBL													
CALM												7.1	
	11.[illegible]	36.[illegible]	17.[illegible]	4.[illegible]	.4							[illegible].[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS 142[illegible]

USAFE AF FORM [illegible] [illegible] OL A [illegible] PREVIOUS EDITIONS ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41[illegible] DHAHRAN SAUDI ARABIA 4[illegible]1 YEARS ANNUAL MONTH
STATION STATION NAME

ALL WEATHER CLASS ALL HOURS L.S.T.

CONDITION

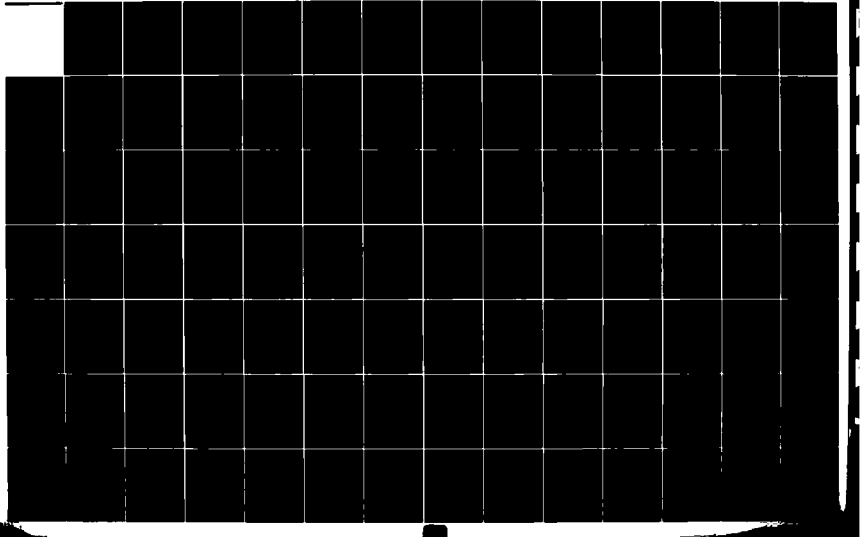
SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	.6	2.7	3.6	6.0	2.6	.4	.	.	.	.	.	15.9	11.7
NNE	.7	2.[illegible]	2.9	3.2	.6	.	.	.	.	.	.	[illegible].7	10.[illegible]
NE	.5	1.9	3.1	2.2	.3	.	.	.	.	.	.	8.1	[illegible].9
ENE	.3	1.3	2.2	1.8	.1	.	.	.	.	.	.	5.[illegible]	9.4
E	.4	1.4	2.1	1.1	.1	.	.	.	.	.	.	.1	8.4
ESE	.1	.4	.6	.2	.0	.	.	.	.	.	.	1.3	7.3
SE	.1	.3	.3	.1	.0	.	.	.	.	.	.	.7	7.1
SSE	.1	.2	.1	.1	.	.	.	.	.	.	.	.4	[illegible].2
S	.2	.3	.1	.0	.	.	.	.	.	.	.	.5	4.9
SSW	.1	.3	.2	.0	.	.	.	.	.	.	.	.6	[illegible].6
SW	.4	.3	.2	.1	.	.	.	.	.	.	.	1.[illegible]	[illegible].6
WSW	.5	2.1	1.1	.1	.0	.	.	.	.	.	.	3.[illegible]	5.7
W	.2	3.2	2.7	.6	.1	.	.	.	.	.	.	6.[illegible]	[illegible].7
WNW	.2	1.5	2.[illegible]	2.[illegible]	.1	.	.	.	.	.	.	[illegible].4	[illegible].[illegible]
NW	.4	1.6	3.4	2.[illegible]	.4	.1	.	.	.	.	.	[illegible].[illegible]	[illegible].[illegible]
NNW	.2	1.2	3.[illegible]	4.1	1.[illegible]	.[illegible]	.[illegible]	.	.	.	.	[illegible].[illegible]	[illegible].[illegible]
VARBL	—	—	—	—	—	—	—	—	—	—	—	—	
CALM	—	—	—	—	—	—	—	—	—	—	—	1.[illegible]	
#													
	[illegible].5	22.1	30.3	24.[illegible]	6.1	1.[illegible]	.[illegible]	.	.	.	.	[illegible].[illegible]	[illegible].[illegible]

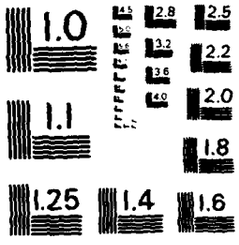
TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible] OL A[illegible]

AD-A137 580 DHAHRAN SAUDI ARABIA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATI..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 01 DEC 83

UNCLASSIFIED USAFETAC/DS-83/050 SBI-AD-E850 503 F/G 4/2 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

404160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.3	1.6	.1	.1							5.2	5.9
NNE	.4	1.9	.6	.1								3.0	5.4
NE	.5	.7										1.3	4.4
ENE	.3	.1	.1									.4	4.0
E	.5	.6	.1									1.2	4.1
ESE	.4	.7	.1									1.1	4.3
SE	.7	.7	.1									1.6	4.2
SSE	.1	.4										.5	4.0
S	.2	.1	.2									.6	4.9
SSW	.4	.3										.7	3.6
SW	.4	1.3	.3									2.0	4.9
WSW	.9	4.9	2.0									7.8	5.6
W	3.0	12.5	7.3	.7								23.6	6.0
WNW	.4	3.4	5.8	2.6	.1							12.3	8.4
NW	.8	2.1	4.1	3.3	.4							10.7	9.4
NNW	.3	1.7	2.3	3.3	.5							8.1	10.5
VARBL													
CALM												20.0	
	10.4	33.7	24.6	10.1	1.1							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1350

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

404160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.8	1.3	.5								4.1	6.7
NNE	.1	.6	.2									1.0	5.5
NE	.1	.3										.4	4.0
ENE	.1	.1										.2	3.7
E	.2	.2										.4	3.5
ESE	.2	.1										.4	3.6
SE	.1	.1										.2	3.7
SSE	.1		.1									.2	4.3
S	.1	.1	.1									.4	5.6
SSW	.4	.1	.1									.6	4.1
SW	.4	1.3	.4									2.1	5.1
WSW	.7	3.0	1.6	.1								5.5	5.6
W	2.1	11.0	9.4	1.9								24.4	6.7
WNW	.6	3.0	8.4	5.8	.1							17.9	9.2
NW	.5	2.7	7.4	6.5	.4							17.6	10.0
NNW	.6	2.2	4.6	3.0	.1							10.5	8.9
VARBL													
CALM												14.1	
	7.3	26.6	33.7	17.8	.6							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1350

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

(CONDITION)

0600-0800 (HOURS (L.S.T.))

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.6	1.7	.9	.1							4.9	8.0
NNE	.1	.4	.3	.1								.9	6.8
NE	.2	.3	.2									.7	5.7
ENE	.1	.1										.2	4.3
E		.2	.1									.4	6.6
ESE	.1	.2										.3	3.8
SE	.1	.2	.3	.1								.7	7.2
SSE	.1	.1	.1									.4	3.8
S	.6	.3	.1									1.0	4.3
SSW		.4	.2	.1								.7	6.7
SW	.5	1.2	.7									2.3	5.4
WSW	.7	2.3	1.6	.1								4.8	5.9
W	1.2	6.5	8.1	1.4	.2							17.5	7.2
WNW	.5	3.7	7.8	8.5	.4							20.9	10.0
NW	.5	3.1	9.3	7.5	.4							20.8	9.8
NNW	.7	2.6	5.1	5.1	.8	.1						14.2	9.7
VARBL													
CALM												9.6	
	5.9	23.3	35.8	23.7	1.6	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 1381

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.6	3.9	6.4	4.2	.8						17.4	12.9
NNE	.1	1.2	2.3	1.3	.4							5.3	9.6
NE	.1	1.6	1.5	.6	.1							3.8	7.5
ENE	.1	.7	.9	.1								1.7	6.8
E	.3	.6	.8	.4								2.0	7.6
ESE	.1	.4	.6	.1								1.3	6.7
SE	.1	.9	.5	.1								1.6	6.4
SSE	.1	.3	.4									.8	5.8
S	.4	.6	.6									1.5	5.5
SSW	.3	.4	.2	.4								1.2	7.1
SW		.9	.7	.3								1.8	7.3
WSW	.3	1.3	2.0	.2								3.8	6.7
W	.4	2.8	2.9	1.0	.1							7.2	7.4
WNW	.6	1.7	3.3	3.5	.1	.1						9.4	9.5
NW	.1	1.3	5.0	4.5	1.6	.1						13.2	11.0
NNW	.5	1.6	5.2	10.1	3.8	1.2						22.3	13.0
VARBL													
CALM												5.7	
	4.3	18.2	30.6	28.9	10.1	2.1						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 1410

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40416C (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.1	4.0	14.9	6.7	1.5						28.2	14.4
NNE	.3	.8	3.9	7.2	1.9	.1						14.2	12.1
NE	.2	1.1	6.0	4.3	.7							12.4	10.5
ENE	.1	.8	4.2	3.1	.1							8.3	10.1
E	.1	.9	5.9	2.3	.3							9.5	9.7
ESE		.8	1.7	.3	.1							2.9	8.7
SE	.1	.4	1.0	.3	.1							1.9	8.8
SSE		.3	.1	.1								.6	7.6
S		.3	.3	.1								.8	8.0
SSW	.1	.1	.2	.1								.4	7.5
SW	.3	.2	.1									.6	4.8
WSW	.1	.1	.1									.3	5.0
W	.1	.5	.2	.1								.8	6.2
WNW	.1	.6	.3	.4	.1							1.5	8.9
NW		.6	.6	1.0	.3	.1						2.6	11.8
NNW	.1	.6	1.5	4.9	5.1	1.9	.1					14.2	16.1
VARBL													
CALM												.8	
	1.5	9.2	30.3	39.3	15.2	3.6	.1					100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 1439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.4	3.5	16.8	5.4	.5						26.7	14.3
NNE		.1	5.7	11.5	1.2							18.6	12.3
NE		.4	9.4	8.3	.1							18.2	10.7
ENE		.9	7.7	4.5	.1							13.3	10.4
E		.8	4.6	3.3	.1							8.8	10.2
ESE		.1	1.1	.5	.1							1.8	9.5
SE			.6	.2								.9	9.8
SSE		.1	.1									.1	6.0
S													
SSW													
SW		.1										.1	4.0
WSW													
W													
WNW													
NW			.1	.1	.1	.1						.4	17.4
NNW		.1	.8	4.8	4.7	.9						11.2	16.4
VARBL													
CALM													
		3.0	33.7	49.9	11.9	1.4						100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 1410

USAFETAC FORM JUL 64 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41616 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	7.8	11.2	3.5	.1							24.4	7.7
NNE	1.1	7.3	8.1	1.4								17.9	7.0
NE	1.9	5.8	7.2	1.5								16.4	6.8
ENE	1.0	2.6	4.6	.5								8.7	7.1
E	.3	3.5	3.7	.8								8.4	7.1
ESE	.1	.6	.4	.1								1.2	7.2
SE	.1	.1	.1	.1								.3	7.0
SSE		.1										.1	4.0
S													
SSW													
SW													
WSW	.1											.1	3.0
W													
WNW	.1	.1	.2									.5	5.9
NW	.2	.3	.8	.3								1.7	7.8
NNW	.3	2.8	7.0	4.6	.5							15.2	9.5
VARBL													
CALM												5.0	
	7.2	31.0	43.4	12.8	.6							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	7.9	2.9	.4								12.5	5.8
NNE	2.2	4.9	1.8									9.0	5.0
NE	1.8	3.6	.4	.1								5.9	4.5
ENE	.6	1.8	.3	.1								2.8	5.0
E	.5	2.6	1.1									4.2	5.4
ESE	.4	1.1	.2									1.7	4.8
SE	.3	.4	.4									1.1	5.9
SSE	.2	.4										.6	4.0
S	.1											.1	3.0
SSW	.3	.1										.4	3.2
SW	.2	.7	.2									1.1	5.1
WSW	1.7	2.3	.4									4.5	4.2
W	1.2	3.8	1.2	.1								6.4	5.3
WNW	.4	1.7	2.0	.4								4.4	7.0
NW	.7	3.0	3.3	1.2	.1							8.2	7.6
NNW	1.2	4.6	4.9	2.9	.1							13.7	8.1
VARBL													
CALM												23.5	
	13.0	38.8	19.2	5.2	.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 1380

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40416 (STATION) CHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	3.1	3.9	5.5	2.1	.3						15.6	11.1
NNE	.6	2.2	2.9	2.7	.4	.0						8.9	9.3
NE	.6	1.7	3.2	1.9	.1							7.5	8.5
ENE	.3	.9	2.3	1.0	.0							4.5	8.8
E	.2	1.2	2.1	.9	.1							4.4	8.3
ESE	.2	.5	.5	.1	.0							1.4	7.1
SE	.2	.3	.4	.1	.0							1.0	6.9
SSE	.1	.2	.1	.0								.4	5.2
S	.2	.2	.2	.0								.5	5.5
SSW	.2	.2	.1	.1								.5	5.6
SW	.2	.7	.3	.0								1.2	5.5
WSW	.6	1.7	.9	.1								3.3	5.6
W	1.0	4.6	3.6	.6	.0							9.8	6.5
WNW	.3	1.7	3.4	2.6	.1	.0						8.2	9.2
NW	.3	1.7	3.8	3.0	.4	.0						9.3	9.8
NNW	.5	2.0	3.9	4.9	1.9	.5	.0					13.7	11.7
VARBL													
CALM												9.7	
	6.2	22.8	31.5	23.6	5.3	.9	.0					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 11160

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

404160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	3.2	1.6	.1								5.9	5.7
NNE	.4	.9	.9									2.2	6.0
NE	.4	.8	.1									1.3	4.2
ENE	.4	.3	.2									.9	4.6
E	.6	1.5	.1	.1								2.4	4.5
ESE	.6	.6	.5									1.8	4.8
SE	.4	1.1	.4									1.9	5.3
SSE	.1	.6	.1	.1								.9	5.5
S	.4	.6	.1	.1								1.3	4.4
SSW	.3	.4										.7	4.4
SW	.8	2.2	.4									3.4	4.8
WSW	1.1	5.2	.9									7.3	5.0
W	2.4	11.8	3.7	.4								18.3	5.4
WNW	.9	4.8	3.7	1.2	.2	.1						11.0	7.3
NW	.5	2.4	2.7	1.4	.1							7.1	7.9
NNW	.9	3.2	3.4	1.7	.1							9.3	7.7
VARBL													
CALM												24.4	
	11.3	39.6	19.1	5.1	.4	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40416C (STATION) OHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.6	.9	.1	.1							4.2	5.9
NNE	.2	.7	.6	.1								1.6	6.1
NE		.7	.1									.9	5.1
ENE	.3	.1										.4	3.2
E	.2	.3	.2									.7	5.7
ESE	.1	.4	.1									.7	4.9
SE		.4	.1									.6	5.5
SSE	.1	.4	.1									.6	5.2
S	.4	.3	.1									.8	4.2
SSW	.3	.4	.2									.9	4.7
SW	.5	2.4	.9									3.9	5.4
WSW	1.5	5.2	2.1									8.7	5.4
W	1.3	12.4	7.3	.6								21.6	6.2
WNW	.9	4.3	8.8	3.1	.2							17.3	6.3
NW	.9	3.2	4.5	2.9	.3	.2						12.0	6.8
NNW	.6	3.0	3.7	1.9								9.3	6.0
VARBL													
CALM												15.8	
	7.8	36.8	30.0	8.7	.6	.2						100.2	5.9

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 45-61 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0000-2300 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	∿	MEAN WIND SPEED
N	.6	1.4	1.2	.3	.1							3.6	7.2
NNE	.3	1.0	.4		.1							1.8	5.7
NE	.1	.4	.1	.1								.6	6.5
ENE	.1	.3	.1									.5	4.4
E		.3	.1									.3	5.8
ESE	.1	.2	.2									.5	5.4
SE		.4	.2									.6	6.4
SSE		.1	.1									.2	6.0
S	.1	.3	.1	.1								.7	5.5
SSW		.6	.5	.1								1.2	7.0
SW	.8	2.3	.9									4.3	5.6
WSW	1.3	4.3	3.1	.1								8.7	6.1
W	1.3	9.7	8.9	.8	.1							20.6	6.7
WNW	1.0	4.3	8.6	5.9	.6	.2						20.6	9.2
NW	.9	2.6	6.4	4.0	.2	.1						14.2	9.1
NNW	.4	1.7	3.0	3.0	.1							8.3	9.3
VARBL													
CALM												12.9	
	6.7	30.6	33.9	14.3	1.1	.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1429

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41 6C (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

0900-1100 (HOURS (L & Z))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.8	3.1	4.1	1.4							10.6	11.0
NNE	.3	1.0	1.7	1.2	.2							4.4	9.3
NE	.5	1.1	1.4	.5	.1							3.7	7.3
ENE	.4	.9	.5	.1								1.9	5.8
E	.3	.9	.9	.1								2.3	6.7
ESE	.1	.5	.6	.1								1.3	7.1
SE	.2	1.0	.8	.2								2.2	6.7
SSE	.3	.7	.3	.1								1.4	6.1
S	.4	1.0	1.5	.5								3.4	7.5
SSW	.8	1.4	2.0	.5								4.8	7.0
SW	.1	1.4	1.9	.3	.1							3.8	7.7
WSW	.7	3.4	2.3	.3								6.8	6.2
W	.6	4.2	4.3	.4		.1						9.6	6.8
WNW	.5	2.5	5.2	3.3	.1	.2						11.8	9.2
NW	.5	2.1	5.8	3.8	.2	.1						12.5	9.4
NNW	.3	1.8	4.4	4.3	.8	.3						11.8	10.8
VARBL													
CALM												7.6	
	6.3	25.8	36.7	20.2	2.9	.6						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 1456

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40416D (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.0	4.0	10.0	3.5	.3						19.1	13.0
NNE	.1	.9	4.2	5.2	1.0	.1						11.7	11.6
NE	.2	1.9	5.7	4.4								12.2	9.7
ENE	.1	1.2	4.6	2.4	.1							8.4	9.4
E	.4	2.0	6.6	1.5								10.5	8.4
ESE		1.6	2.5	.5								4.6	7.7
SE	.1	1.2	2.6	.1								4.1	7.4
SSE	.1	1.2	1.9	.3								3.4	7.7
S	.3	.7	1.3	.3								2.6	7.5
SSW	.1	.2	.7									1.1	7.1
SW	.3	.6	.8									1.7	6.5
WSW	.2	.7	.2	.2	.1							1.3	7.0
W	.1	.6	.5	.3								1.5	7.5
WNW	.3	.3	.7	.1	.1							1.6	7.3
NW	.2	1.0	1.1	1.0	.5	.2						4.0	10.7
NNW	.3	1.1	2.2	4.0	1.5	.5	.1					9.5	12.5
VARBL													
CALM												2.7	
	3.1	16.3	39.7	30.4	6.7	1.1	.1					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 1498

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	4.1	13.5	2.3	.2						20.8	13.0
NNE		.3	6.4	9.0	.6							16.3	11.7
NE		1.2	11.4	6.9	.1	.1						19.8	10.2
ENE	.1	1.8	10.2	4.2	.1							16.4	9.4
E	.1	2.1	8.8	3.1								14.1	9.1
ESE		.5	1.6	.5								2.6	8.9
SE	.1	.7	2.1	.1								2.9	7.9
SSE		.1	.3	.1								.5	7.9
S		.2	.1									.3	6.0
SSW													
SW			.1									.1	7.0
WSW				.1								.1	16.0
W			.1									.1	10.0
WNW													
NW			.1	.3	.3	.1						.8	15.9
NNW		.1	.9	2.9	1.1	.1						5.1	14.1
VARBL													
CALM												.1	
	.3	7.7	46.2	40.6	4.4	.6						100.2	10.8

TOTAL NUMBER OF OBSERVATIONS 1457

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

404160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

1800-2000 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	8.1	9.1	1.9	.1							20.0	7.3
NNE	1.7	9.2	5.7	1.3								17.9	6.4
NE	1.8	10.5	5.0	.3								17.5	5.8
ENE	.5	4.9	4.2	.3								9.9	6.5
E	.5	3.6	5.0	.9								9.9	7.2
ESE		.3	1.1									1.4	6.1
SE	.1	.3	.5	.1								1.0	6.6
SSE	.1	.1	.1									.3	5.8
S	.1	.1										.1	3.5
SSW													
SW		.1										.1	5.5
WSW													
W													
WNW	.1	.1		.2								.3	10.6
NW	.2	1.0	1.8	.8	.1							4.0	8.9
NNW	.7	2.3	6.1	2.1	.1							11.3	8.5
VARBL													
CALM												6.3	
	6.5	40.6	38.6	7.8	.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1488

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416C (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

2100-2300 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.5	8.4	3.6	.6								15.2	5.6
NNE	2.0	6.4	1.7	.3								10.4	5.3
NE	1.4	2.9	.4									4.6	4.3
ENE	1.2	2.5	1.1	.1								4.8	5.2
E	1.0	3.2	1.7	.3								6.1	5.7
ESE	.5	1.5	1.1	.1								3.2	6.1
SE	.4	.8	.7	.4								2.3	6.9
SSE	.2	.1	.3									.6	6.1
S	.4	.2	.1									.7	3.9
SSW	.1	.1	.1									.2	5.3
SW	.1	.4										.4	4.5
WSW	.5	1.3	.3									2.1	4.8
W	.8	1.5	.8	.3								3.5	5.8
WNW	.6	1.2	1.1	.1		.2						3.1	7.2
NW	.3	2.9	2.0	1.0	.1							6.2	7.6
NNW	1.2	3.7	6.4	2.0								13.3	7.7
VARBL													
CALM												23.2	
	13.1	37.2	21.1	5.2	.1	.2						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1425

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	3.4	3.5	3.9	.9	.1						12.5	9.6
NNE	.6	2.6	2.7	2.2	.2	.0						8.4	8.6
NE	.6	2.5	3.1	1.6	.0	.0						7.7	7.9
ENE	.4	1.5	2.7	.9	.0							5.5	7.9
E	.4	1.7	3.0	.8								5.9	7.7
ESE	.2	.7	1.0	.2								2.0	7.1
SE	.2	.7	.9	.1								2.0	6.9
SSE	.1	.4	.4	.1								1.0	6.8
S	.3	.4	.4	.1								1.2	6.4
SSW	.2	.4	.4	.1								1.1	6.5
SW	.3	1.2	.6	.0	.0							2.2	5.9
WSW	.7	2.5	1.1	.1	.0							4.3	5.7
W	.9	4.9	3.1	.4	.0	.0						9.2	6.2
WNW	.5	2.2	3.5	1.7	.2	.1						8.1	8.5
NW	.4	1.9	3.0	1.9	.2	.1						7.6	9.0
NNW	.6	2.1	3.8	2.8	.5	.1	.0					9.8	9.5
VARBL													
CALM												11.5	
	6.8	29.2	33.3	16.7	2.1	.4	.0					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 11533

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40416 0 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.2	1.9	.4	.1							5.4	6.6
NNE	.7	1.0	.1									1.8	4.3
NE	.6	.7	.1	.1								1.5	4.4
ENE	.1	.2		.1								.4	7.5
E	.7	.7	.1									1.6	3.9
ESE	.4	1.1	.3	.1								2.0	5.3
SE	.6	2.7	1.1	.4								4.9	6.3
SSE	.7	1.3	1.4	.3								3.6	6.4
S	.6	.8	.7	.1	.1							2.3	6.1
SSW	.6	1.0	.2	.1								1.9	5.1
SW	.7	1.5	.3									2.4	4.8
WSW	.6	2.0	.5									3.1	5.2
W	1.3	6.2	4.3	1.0								12.8	6.5
WNW	.6	3.0	5.0	3.8	.1							12.2	6.7
NW	.3	4.8	6.0	2.9	.7	.2						15.0	9.0
NNW	.9	3.2	4.1	1.6								9.7	7.6
VARBL													
CALM												19.5	
	10.1	32.5	26.2	10.5	1.0	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1349

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

0300-0500 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	1.3	.4	.1							3.2	7.1
NNE	.2	.3	.4	.2	.1							1.2	8.5
NE	.1	.1	.1	.1								.4	8.2
ENE	.1	.1	.1	.1								.4	6.5
E	.1	.1	.1									.4	5.8
ESE	.1	.4	.1									.7	4.4
SE	.1	.7	.4	.1								1.5	6.5
SSE	.1	1.2	.9	.5								2.7	7.6
S	.2	.5	.4	.2								1.3	7.4
SSW	.4	1.2	.6	.1								2.3	5.4
SW	.5	2.7	1.2									4.4	5.4
WSW	.7	4.1	2.0									6.8	5.5
W	1.9	8.5	5.0	1.7	.1							17.3	6.5
WNW	.8	3.2	6.7	5.3	.5							16.4	9.4
NW	.4	4.4	7.0	5.3	.8	.2						18.1	9.6
NNW	.4	2.3	3.0	2.7	.1							8.4	8.9
VARBL													
CALM												14.5	
	6.7	30.9	29.3	16.7	1.7	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1350

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	.7	.6	.2							3.4	7.5
NNE		.1	.4	.2								.7	8.7
NE	.3	.4	.1									.7	4.5
ENE		.1	.2	.1	.1							.6	10.0
E	.1	.1	.4	.1								.6	8.9
ESE	.2	.1										.4	3.8
SE		.4	.7	.1								1.2	7.8
SSE	.1	.1	.4	.3								.9	6.8
S	.4	.7	.5	.7								2.2	7.7
SSW	.7	1.5	.9	.1								3.2	5.8
SW	1.2	2.8	1.7	.1								5.7	5.7
WSW	1.0	4.7	2.9	.4								9.0	5.9
W	1.5	6.5	4.9	1.2	.5	.1						14.8	7.1
WNW	.8	3.8	8.9	8.9	1.7	.1						24.2	10.4
NW	.3	2.5	6.2	4.6	.7	.4						14.7	10.4
NNW	.1	1.2	3.3	2.5	.1							7.2	9.6
VARBL													
CALM												10.6	
	7.0	26.6	32.0	19.9	3.4	.5						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1380

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.0	2.7	3.3	.5	.2						7.9	11.3
NNE	.2	.8	1.3	1.1	.1							3.5	9.2
NE	.2	.4	.9	.5	.1							2.1	8.5
ENE		.4	.3		.1							.8	8.4
E	.2	.7	.4	.2	.1							1.6	6.6
ESE	.1	.4	.2	.1								.8	7.6
SE	.1	.4	1.0	.5								2.1	8.7
SSE	.3	.6	1.6	.9								3.4	9.2
S	.3	1.0	3.2	1.3								5.8	8.6
SSW	.3	1.5	3.5	1.3	.1							6.7	8.3
SW	.6	1.8	3.1	.4	.1							6.0	7.4
WSW	.3	2.4	2.1	.1								4.8	6.4
W	.6	2.7	3.5	.4								7.2	6.7
WNW	.4	3.3	5.4	6.9	1.5	.1						17.4	10.7
NW	.1	1.5	5.5	5.6	1.1	.1						13.8	10.9
NNW	.1	1.8	3.4	4.1	.6	.1						10.2	10.7
VARBL													
CALM												6.0	
	3.9	20.7	37.8	26.7	4.5	.4						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 1411

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4 4168 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 45-61 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.8	4.9	8.2	1.6	.1						16.7	11.8
NNE		1.2	3.9	3.5	.7							9.3	10.6
NE	.3	1.6	3.3	2.1	.3							7.6	9.4
ENE		.5	2.6	1.0								4.1	9.3
E	.3	2.1	2.9	.2								5.6	7.2
ESE		1.7	2.0	.3	.1							4.1	7.6
SE	.3	1.3	3.5	1.0								6.2	8.2
SSE	.2	1.2	3.2	1.2	.1							5.8	8.6
S	.3	1.2	3.1	1.3								6.0	8.5
SSW	.2	.6	1.5	.3	.1							2.9	8.4
SW	.1	.9	.8	.4	.1							2.2	7.9
WSW	.2	.4	.8	.1								1.5	6.8
W	.3	.8	.3	.1	.1							1.7	6.7
WNW	.1	1.0	1.0	1.0	.1							3.2	9.3
NW	.4	1.5	1.8	2.9	.9	.1						7.6	10.7
NNW	.3	1.7	3.5	6.0	1.4							12.9	11.5
VARBL													
CALM												2.9	
	3.3	19.7	38.9	29.6	5.5	.1						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 1440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	7.1	9.6	1.5	.1						19.6	11.8
NNE		1.5	6.5	6.5	.2							14.7	10.6
NE	.1	1.9	6.7	3.3	.1							12.2	9.3
ENE	.1	1.9	5.6	2.4		.1						9.9	9.0
E	.4	3.9	5.8	1.3	.3							11.7	7.8
ESE	.4	2.1	3.0	.2								5.7	7.0
SE	.1	2.1	3.0	1.3								6.5	8.3
SSE	.1	.4	1.2	1.1	.1							2.9	9.4
S	.1	.3	.6	.1								1.1	7.8
SSW			.1	.1								.3	11.3
SW				.1								.1	11.0
WSW													
W	.1	.3	.3		.1							.7	7.4
WNW	.1	.1	.3	.1								.6	8.6
NW	.1	.4	.6	1.6	.6	.1						3.3	12.3
NNW	.1	.3	2.2	5.8	1.3	.1						9.9	13.0
VARBL													
CALM												1.1	
	1.8	16.0	43.0	33.5	4.1	.4						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 1410

USAFETAC FORM AIR 64 0 8 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	8.4	6.7	1.5								17.8	6.8
NNE	1.0	5.6	2.3	.6								9.5	6.0
NE	1.2	6.0	3.1	.5	.1							10.8	6.0
ENE	1.0	3.8	1.3	.2	.1							6.5	5.9
E	1.2	4.4	3.7	.4								9.8	6.3
ESE	.5	2.4	1.6	.2								4.7	6.4
SE	.2	1.5	.8	.3								2.8	6.6
SSE	.1	.9	.7	.1								1.8	6.8
S	.1	.1	.3									.5	6.3
SSW													
SW			.1									.1	9.0
WSW													
W	.1	.1	.1	.2								.5	8.9
WNW	.1	.3	.7	.5								1.6	8.8
NW	.5	1.7	4.1	2.8	.4							9.4	9.3
NNW	.3	4.5	7.4	2.6	.1			.1				15.1	8.2
VARBL													
CALM												9.1	
	7.6	39.7	33.0	9.9	.7			.1				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1486

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 49-61 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0100-0300 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.3	5.4	2.7	.4								10.8	5.5
NNE	1.3	3.0	1.4									5.7	5.0
NE	1.5	2.1	.3	.1								4.1	4.5
ENE	.9	1.2	.2	.1								2.3	4.6
E	.9	2.3	1.2	.4								4.9	6.1
ESE	.3	2.6	2.3	.3								5.5	6.5
SE	.7	2.9	2.3	.6								6.5	6.7
SSE	.5	.6	.8	.2								2.2	6.5
S	.1	.4	.2	.2								1.0	7.6
SSW	.1	.2										.3	4.5
SW	.1	.2	.1									.4	5.0
WSW	.3	.7	.1									1.2	5.0
W	.7	2.1	1.2	.1								3.6	6.1
WNW	.4	1.3	3.0	1.4	.1							6.2	8.7
NW	.9	4.1	5.7	3.4	.4							14.5	6.6
NNW	.7	6.4	5.9	1.7	.1							14.2	7.0
VARBL													
CALM												16.3	
	11.6	35.5	27.6	8.4	.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1379

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.8	3.5	3.1	.5	.1						10.7	9.2
NNE	.4	1.7	2.1	1.5	.1							5.9	8.6
NE	.5	1.7	1.8	.9	.1							5.0	7.6
ENE	.3	1.0	1.3	.5	.0	.0						3.2	7.6
E	.5	1.8	1.9	.3	.0							4.6	6.9
ESE	.3	1.4	1.2	.2	.0							3.1	6.6
SE	.3	1.5	1.6	.6								3.9	7.4
SSE	.3	.8	1.3	.6	.0							2.9	8.0
S	.3	.6	1.1	.5	.0							2.6	8.0
SSW	.3	.8	.9	.3	.0							2.2	7.2
SW	.4	1.2	.9	.1	.0							2.7	6.3
WSW	.4	1.8	1.0	.1								3.3	5.8
W	.7	3.4	2.4	.6	.1	.0						7.2	6.7
WNW	.4	2.0	3.8	3.4	.5	.0						10.1	9.8
NW	.4	2.6	4.6	3.6	.7	.1						12.0	9.8
NNW	.4	2.7	4.1	3.3	.5	.0		.0				11.0	9.5
VARBL													
CALM												9.9	
	6.4	27.6	33.6	19.5	2.7	.2		.0				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 11159

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

0300-0200 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.2	1.2	.3	.1							4.7	6.2
NNE	.7	1.0	.4	.1								2.2	5.3
NE	.3	.6	.3	.2								1.4	6.5
ENE	.1	.3										.4	4.4
E	.4	.9	.2									1.4	5.0
ESE	.4	.6	.7									1.7	6.1
SE	.4	1.5	.7	.1								2.7	5.9
SSE	.6	1.2	1.4	.1								3.2	6.4
S	.6	1.2	.5	.1								2.4	5.4
SSW	.3	1.0	.1	.1								1.5	5.3
SW	.2	1.1	.6									1.9	5.6
WSW	.5	1.2	.1	.1								1.9	4.9
W	.6	4.1	2.3	.7								7.7	6.6
WNW	.7	1.8	8.1	6.3	.4	.3						17.5	10.3
NW	.4	3.2	10.1	9.1	1.2	.1						24.0	10.4
NNW	.4	2.7	3.2	3.5	.2							10.0	9.2
VARBL													
CALM												15.4	
	7.5	24.4	29.8	20.6	1.8	.4						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1391

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

0300-0500 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.4	1.4	.6								5.7	6.4
NNE	.3	.7	.3	.1								1.4	6.4
NE	.4	.2	.2	.2								1.1	6.4
ENE	.1	.1										.2	4.0
E	.1	.4	.2									.7	5.8
ESE		.3	.2									.5	6.3
SE	.1	.6	.7	.4								1.9	7.4
SSE	.4	.4	.4									1.1	5.3
S	.3	.3	.4	.4								1.4	8.0
SSW	.4	1.3	.6	.1								2.4	5.8
SW	.4	2.0	.6									3.0	5.3
WSW	.5	2.6	.4	.1								3.5	4.9
W	1.4	4.8	3.2	1.0	.1							10.6	6.6
WNW	.4	2.4	7.8	11.6	1.1	.1	.2					23.6	11.2
NW	.4	3.6	6.2	9.2	1.4	.3						21.1	11.1
NNW	.3	1.9	2.9	3.7	.9	.1						9.9	10.7
VARBL													
CALM												12.2	
	5.9	24.6	25.7	27.3	3.6	.5	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 1392

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

0600-0800 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.5	1.2	.2								3.3	6.3
NNE		.5	.4	.1								1.0	7.4
NE	.2	.4	.3									.9	5.3
ENE	.1	.1	.1									.3	5.0
E	.2	.4	.2									.8	4.7
ESE	.1	.1	.2	.1								.6	8.0
SE	.1	.4	.5	.1	.1							1.1	7.9
SSE	.2	.2		.3								.7	7.8
S	.2	.5	.8	.1								1.6	7.0
SSW	.5	1.7	.5	.2								2.9	5.5
SW	.7	2.0	.8	.1								3.7	5.4
WSW	.6	3.0	1.3	.1								5.1	5.6
W	1.1	4.8	3.0	1.9								10.9	7.1
WNW	.4	2.3	8.3	13.7	2.1	.1	.1					27.1	11.6
NW	.1	2.9	6.9	9.8	1.6	.1						21.4	11.3
NNW	.1	1.7	2.2	2.5	1.4							7.9	11.1
VARBL													
CALM												10.9	
	5.2	22.6	26.7	29.2	5.2	.1	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1423

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 45-61 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	1.2	1.4	.5	.1		.1				4.1	11.3
NNE	.1	.7	.8	1.1	.3							2.9	10.4
NE	.1	.5	.6	.2								1.3	7.5
ENE	.1	.6	.3	.1								1.1	6.9
E	.2	.5	.3	.3								1.3	7.1
ESE	.1	.1	.6	.1								1.0	7.5
SE	.1	.6	.7	.5								1.8	9.0
SSE	.1	.3	.8	.7	.1							2.0	10.2
S	.4	1.2	2.3	1.4	.2							5.5	8.9
SSW	.2	1.7	1.9	.6	.1							4.5	7.9
SW	.1	2.0	2.1	.2								4.4	6.9
WSW	.3	2.4	1.6	.1								4.4	6.2
W	.6	3.2	3.0	1.2	.2		.1					8.2	7.8
WNW	.1	2.0	6.5	11.6	2.6	.1	.1					23.1	12.1
NW	.4	1.2	5.4	11.2	2.4	.1						20.8	12.3
NNW	.1	.8	3.4	4.1	.8	.1						9.4	11.5
VARBL													
CALM												4.3	
	3.3	18.2	31.4	34.9	7.3	.4	.2	.1				100.2	10.0

TOTAL NUMBER OF OBSERVATIONS 1454

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.4	4.4	6.3	1.9	.1						14.3	11.6
NNE	.1	.5	2.4	2.6	.7							6.4	11.5
NE	.3	.7	1.2	.7	.1							3.0	6.7
ENE	.1	.7	1.0	.8	.2							2.8	9.5
E	.3	.7	1.6	.1								2.6	7.4
ESE	.1	1.0	.5	.2								1.8	7.0
SE	.2	1.1	1.2	.7								3.2	8.2
SSE	.3	1.3	2.1	1.7	.3							5.7	9.4
S	.1	1.3	3.0	1.3								5.7	8.6
SSW	.7	1.5	.9	.5	.1	.1						3.8	7.5
SW	.3	.8	.9	.1								2.1	6.6
WSW	.1	.9	.4									1.5	5.4
W	.5	.9	.7	.5								2.6	6.8
WNW	.3	1.2	2.8	3.1	.8	.1						8.3	10.9
NW	.3	1.3	4.2	7.0	1.1	.2						14.1	11.5
NNW	.1	1.2	3.9	9.4	2.2	.3						17.1	12.8
VARBL													
CALM												4.9	
	3.9	16.6	31.3	35.1	7.5	.7						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 1482

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	9.6	9.9	1.7	.1						22.5	11.4
NNE	.1	1.5	4.8	3.3	.3							9.9	9.7
NE	.2	1.6	3.2	1.2	.1							6.3	8.5
ENE	.3	3.1	1.8	.6	.1							5.9	7.1
E	.4	2.9	1.6	.6								5.4	6.8
ESE	.1	2.3	2.3	.1								4.8	6.8
SE	.3	2.2	2.1	1.0	.1							5.6	7.8
SSE	.4	1.4	2.6	.5								4.9	7.5
S	.5	.8	1.0	.1	.1							2.5	6.8
SSW	.1	.4	.1	.1								.8	6.2
SW	.1	.2										.3	4.2
WSW	.1	.1	.1	.1								.4	5.7
W		.3		.1								.3	6.4
WNW	.1	.4	1.0	1.0	.1	.1						2.7	10.2
NW	.1	.8	3.1	5.1	.8	.1						10.0	11.6
NNW	.2	.5	4.1	9.0	1.5	.1						15.4	12.3
VARBL													
CALM												2.2	
	3.4	19.6	37.3	32.6	4.7	.3						100.2	9.6

TOTAL NUMBER OF OBSERVATIONS 1452

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41 60 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	7.8	4.7	2.0	.2							15.8	7.0
NNE	1.4	2.4	1.4	.4								5.5	5.6
NE	2.2	2.1	.9	.2								5.4	5.3
ENE	1.3	1.9	.9	.1								4.2	5.2
E	1.6	1.5	1.7	.4								5.1	5.8
ESE	.5	1.3	1.5	.1								3.4	6.2
SE	.3	1.4	1.3	.4								3.1	6.8
SSE	.4	.9	.8									2.2	6.0
S	.1	.5	.3	.1								.9	6.5
SSW		.1	.2									.3	7.3
SW		.1	.1									.1	6.5
WSW		.1										.1	4.5
W	.2	.2	.1	.1								.6	6.6
WNW	.2	.6	2.0	1.7	.3							4.8	10.3
NW	.7	2.8	7.6	6.4	.5							18.0	9.8
NNW	.5	4.7	9.3	4.1	.3	.1						19.0	8.8
VARBL													
CALM												11.4	
	10.3	28.2	32.4	16.1	1.4	.1						100.2	6.8

TOTAL NUMBER OF OBSERVATIONS 1481

USAFETAC FORM 0-8-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

0100-2300 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.7	3.0	.5								8.2	6.3
NNE	.6	1.7	.8	.1								3.2	5.4
NE	1.1	1.7	.6	.1								3.4	4.9
ENE	.6	.5	.3									1.3	4.4
E	.6	1.3	.8	.1								2.8	5.6
ESE	.2	1.1	1.7	.6								3.6	7.6
SE	.3	1.5	1.5	.3								3.6	6.9
SSE	.4	1.1	.9									2.4	5.9
S	.1	.6	.8	.1								1.5	7.2
SSW		.1	.1									.2	7.3
SW		.1	.1	.1								.4	7.5
WSW	.1	.1	.1									.4	4.2
W	.4	1.5	1.1	.5								3.5	6.8
WNW	.2	1.8	6.1	3.8	.6							12.5	9.9
NW	.3	5.4	8.5	6.5	1.3							22.0	9.6
NNW	.7	4.8	6.1	2.6	.1							14.3	7.9
VARBL													
CALM												16.6	
	6.7	27.1	32.5	15.1	2.0							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1421

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-71 — YEARS
DEC — MONTH
ALL WEATHER — CLASS
ALL — HOURS (L S T)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.7	3.4	2.7	.6	.0		.0				9.9	9.1
NNE	.4	1.1	1.4	1.0	.2							4.1	8.6
NE	.6	1.0	.9	.4	.0							2.9	6.7
ENE	.3	.9	.5	.2	.0							1.9	6.6
E	.5	1.0	.8	.2								2.5	6.2
ESE	.2	.9	1.0	.1								2.2	6.9
SE	.2	1.2	1.1	.5	.0							2.9	7.4
SSE	.3	.9	1.1	.4	.1							2.8	7.7
S	.3	.9	1.1	.4	.0							2.7	7.8
SSW	.3	1.0	.6	.2	.0	.0						2.0	6.7
SW	.2	1.0	.7	.1								2.0	6.1
WSW	.3	1.3	.5	.0								2.1	5.5
W	.6	2.5	1.6	.7	.0		.0					5.5	7.0
WNW	.3	1.6	5.3	6.6	1.0	.1	.1					14.8	11.1
NW	.3	2.6	6.5	8.0	1.3	.1						18.9	10.9
NNW	.3	2.3	4.4	4.9	.9	.1						12.9	10.5
VARBL													
CALM												9.7	
	5.8	22.6	30.9	26.4	4.2	.3	.1	.0				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 11496

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41416 DHAHRAN SAUDI ARABIA 45-62 ALL
STATION STATION NAME YEARS MONTH

ALL WEATHER ALL
CLASS HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.6	3.9	5.2	2.0	.6	.0	.0				15.0	11.5
NNE	.4	1.6	2.3	2.4	.5	.1	.0					7.4	10.2
NE	.5	1.5	2.2	1.5	.2	.0	.0					5.8	8.7
ENE	.2	1.0	1.7	1.0	.1	.0						4.0	9.7
E	.3	1.3	1.9	.9	.1	.0						4.6	8.2
ESE	.2	.7	.9	.4	.0	.0	.0					2.3	8.0
SE	.2	.8	1.1	.6	.1	.0						2.7	6.5
SSE	.2	.6	.8	.5	.1	.0	.0					2.1	8.9
S	.2	.5	.7	.4	.0	.0		.0				1.9	7.9
SSW	.2	.5	.4	.1	.0	.0	.0					1.2	6.9
SW	.3	.9	.5	.1	.0	.0						1.8	6.0
WSW	.4	1.5	.8	.1	.0	.0	.0	.0				2.8	5.8
W	.6	3.0	2.4	.5	.0	.0	.0					6.7	6.7
WNW	.3	1.5	3.4	2.7	.4	.0	.0	.0	.0			8.3	9.9
NW	.3	1.9	3.8	3.7	.7	.1	.0	.0				10.4	10.4
NNW	.3	1.8	4.0	5.3	2.2	.8	.1	.0	.0			14.4	12.5
VARBL													
CALM												8.7	
	5.1	21.6	30.9	25.4	6.4	1.7	.2	.0	.0			100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 135496

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS) ALL (MONTH)

INSTRUMENT (CLASS) ALL (HOURS (L S T))

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE, (CONDITION)
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.0	1.8	4.6	5.4	4.2	.4					17.7	16.8
NNE	.1	.5	.9	1.5	.6	.4	.0					4.0	13.1
NE	.1	.6	.8	.8	.0	.0	.0					2.3	9.5
ENE	.1	.3	.5	.4	.0	.0						1.3	9.6
E	.1	.3	.6	.3	.1	.0						1.4	9.6
ESE	.1	.2	.2	.2	.1							.7	9.2
SE	.1	.2	.1	.3	.1							.8	10.0
SSE	.0	.1	.1	.3	.2	.1						.8	13.6
S	.1	.1	.2	.1	.1	.0		.0				.6	11.0
SSW	.1	.1	.1	.1	.1	.0	.0					.5	12.0
SW	.2	.3	.2	.1	.0	.0						.8	7.0
WSW	.3	.7	.2	.1	.0			.0				1.3	6.4
W	.4	1.4	1.3	.6	.1	.0	.0					3.8	7.8
WNW	.2	.8	3.4	4.2	1.3	.4	.1					10.4	12.1
NW	.1	.6	3.1	8.8	3.5	1.0	.1	.0				17.3	14.2
NNW	.0	.8	2.9	9.7	10.5	8.1	1.0	.0				33.1	17.7
VARBL													
CALM												3.3	
	2.2	7.8	16.4	32.2	22.1	14.3	1.6	.1				100.0	14.4

TOTAL NUMBER OF OBSERVATIONS 7487

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

D

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the $\geq$10 mi visibility category should be used with great caution.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of $\geq$ 1500 feet with $\geq$ 3 miles, subtracted from 97.4 read from the table at the intersection of $\geq$ 500 feet with $\geq$ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling $\geq$ 500 feet with visibility $\geq$ 1 mile, but < 3 miles; or ceiling $\geq$ 500 feet, but < 1500 feet with visibility $\geq$ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 DHAHRAN SAUDI ARABIA 48-67 JAN
STATION STATION NAME YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
UNLIMITED	77.1	80.1	80.9	81.5	82.2	82.7	83.1	83.4	83.4	83.6	83.7	83.7	83.7	83.9	83.9	84.1
≥ 20000	78.2	81.4	82.2	82.6	83.5	84.0	84.4	84.7	84.7	84.9	84.9	84.9	85.0	85.2	85.2	85.4
≥ 18000	78.3	81.4	82.2	82.9	83.6	84.1	84.4	84.7	84.7	84.9	85.0	85.0	85.1	85.2	85.3	85.4
≥ 16000	78.5	81.6	82.4	83.1	83.8	84.3	84.7	84.9	84.9	85.2	85.2	85.2	85.3	85.4	85.5	85.7
≥ 14000	80.1	83.4	84.2	84.8	85.5	86.0	86.4	86.7	86.7	86.9	87.0	87.0	87.0	87.2	87.2	87.4
≥ 12000	82.7	85.9	86.7	87.4	88.3	88.8	89.2	89.5	89.5	89.7	89.7	89.7	89.8	90.0	90.0	90.2
≥ 11000	84.5	88.3	89.1	89.7	90.8	91.3	91.6	91.9	91.9	92.1	92.2	92.2	92.3	92.4	92.5	92.6
≥ 10000	84.9	88.9	89.7	90.4	91.4	91.9	92.3	92.5	92.5	92.8	92.8	92.8	92.9	93.0	93.1	93.3
≥ 9000	86.4	90.8	91.8	92.4	93.4	93.9	94.3	94.6	94.6	94.8	94.8	94.8	94.9	95.1	95.1	95.3
≥ 8000	86.7	91.2	92.3	92.9	93.9	94.4	94.8	95.1	95.1	95.3	95.3	95.3	95.4	95.6	95.6	95.8
≥ 7000	87.1	91.6	92.8	93.4	94.4	94.9	95.3	95.6	95.6	95.9	96.1	96.1	96.1	96.3	96.3	96.5
≥ 6000	87.5	92.8	94.1	94.7	95.7	96.2	96.6	96.9	96.9	97.2	97.3	97.3	97.4	97.6	97.6	97.8
≥ 5000	87.5	92.8	94.1	94.8	95.8	96.3	96.6	97.0	97.0	97.3	97.4	97.4	97.5	97.6	97.7	97.8
≥ 4500	87.5	93.0	94.4	95.1	96.3	96.8	97.1	97.5	97.5	97.8	97.9	97.9	98.0	98.1	98.2	98.4
≥ 4000	87.7	93.3	94.6	95.3	96.5	97.0	97.3	97.7	97.7	98.0	98.1	98.1	98.2	98.4	98.4	98.6
≥ 3500	87.7	93.5	94.9	95.6	96.8	97.3	97.6	98.0	98.0	98.3	98.4	98.4	98.5	98.6	98.7	98.9
≥ 3000	88.0	93.8	95.1	95.6	97.0	97.5	97.9	98.3	98.3	98.6	98.7	98.7	98.8	98.9	99.0	99.1
≥ 2500	88.1	93.9	95.3	96.0	97.1	97.6	98.1	98.4	98.4	98.7	98.9	98.9	98.9	99.1	99.1	99.3
≥ 2400	88.1	93.9	95.3	96.0	97.1	97.6	98.1	98.5	98.5	98.8	98.9	98.9	99.0	99.1	99.2	99.4
≥ 2200	88.2	94.1	95.4	96.2	97.3	97.8	98.3	98.7	98.7	99.0	99.1	99.1	99.2	99.4	99.4	99.6
≥ 2000	88.3	94.2	95.6	96.3	97.5	98.0	98.4	98.9	98.9	99.1	99.3	99.3	99.4	99.5	99.6	99.7
≥ 1800	88.3	94.2	95.6	96.3	97.5	98.0	98.4	98.9	98.9	99.1	99.3	99.3	99.4	99.5	99.6	99.7
≥ 1600	88.3	94.2	95.6	96.3	97.5	98.0	98.4	98.9	98.9	99.1	99.3	99.3	99.4	99.5	99.6	99.7
≥ 1400	88.4	94.3	95.6	96.4	97.6	98.1	98.5	98.9	98.9	99.2	99.4	99.4	99.4	99.6	99.6	99.8
≥ 1200	88.4	94.3	95.6	96.4	97.6	98.1	98.5	98.9	98.9	99.2	99.4	99.4	99.4	99.6	99.6	99.8
≥ 1000	88.4	94.3	95.6	96.4	97.6	98.1	98.6	99.0	99.0	99.3	99.4	99.4	99.5	99.6	99.7	99.9
≥ 900	88.4	94.3	95.6	96.4	97.6	98.1	98.6	99.0	99.0	99.3	99.4	99.4	99.5	99.6	99.7	99.9
≥ 800	88.4	94.3	95.6	96.4	97.6	98.1	98.6	99.0	99.0	99.3	99.4	99.4	99.5	99.6	99.7	99.9
≥ 700	88.4	94.3	95.6	96.4	97.6	98.1	98.6	99.0	99.0	99.3	99.4	99.4	99.5	99.6	99.7	99.9
≥ 600	88.4	94.3	95.6	96.4	97.6	98.1	98.6	99.0	99.0	99.3	99.4	99.4	99.5	99.6	99.8	99.9
≥ 500	88.4	94.3	95.6	96.4	97.6	98.1	98.6	99.0	99.0	99.3	99.4	99.4	99.5	99.6	99.8	100.0
ZERO	88.4	94.3	95.6	96.4	97.6	98.1	98.6	99.0	99.0	99.3	99.4	99.4	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41060 DHAHRAN SAUDI ARABIA 48-62 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0700-0900

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	6	4½	4	3½	3	2½	2	1¾	1½	1¼	1	¾	½	¼	0
≥ UNL	72.7	77.1	79.1	79.6	80.1	80.6	80.6	80.8	80.8	80.9	81.1	81.1	81.3	81.5	81.7	81.9
≥ 20000	73.9	78.4	80.4	80.9	81.4	81.9	81.9	82.1	82.1	82.2	82.4	82.4	82.6	82.8	83.0	83.2
≥ 15000	74.0	78.4	80.4	81.0	81.5	81.9	82.0	82.2	82.2	82.2	82.4	82.5	82.7	82.9	83.1	83.3
≥ 10000	74.2	78.6	80.6	81.2	81.7	82.2	82.2	82.4	82.4	82.4	82.7	82.9	83.1	83.3	83.5	
≥ 9000	75.7	80.4	82.4	83.0	83.5	83.9	84.0	84.2	84.2	84.2	84.5	84.5	84.7	84.9	85.1	85.3
≥ 8000	79.2	84.3	86.3	86.9	87.5	87.9	88.0	88.1	88.1	88.2	88.5	88.5	88.6	88.8	89.0	89.2
≥ 7000	81.2	86.7	88.8	89.4	90.0	90.4	90.5	90.6	90.6	90.7	91.0	91.0	91.1	91.3	91.5	91.8
≥ 6000	81.9	87.5	89.5	90.1	90.7	91.1	91.2	91.3	91.3	91.4	91.7	91.7	91.8	92.0	92.3	92.5
≥ 5000	83.1	89.2	91.3	91.9	92.5	92.9	93.0	93.1	93.1	93.2	93.5	93.5	93.6	93.8	94.1	94.3
≥ 4500	83.6	89.7	91.8	92.4	93.0	93.4	93.5	93.6	93.6	93.7	94.0	94.0	94.1	94.3	94.6	94.8
≥ 4000	84.0	90.5	92.7	93.3	93.8	94.3	94.3	94.5	94.5	94.6	94.9	94.9	95.1	95.3	95.5	95.7
≥ 3500	84.6	91.5	93.9	94.5	95.1	95.6	95.6	95.8	95.8	95.8	96.2	96.2	96.3	96.6	96.8	97.0
≥ 3000	84.7	91.7	94.1	94.6	95.2	95.7	95.8	95.9	95.9	96.0	96.3	96.3	96.5	96.7	96.9	97.1
≥ 2500	84.7	92.0	94.6	95.3	95.8	96.4	96.5	96.6	96.6	96.7	97.1	97.1	97.2	97.4	97.6	97.8
≥ 2000	84.7	92.0	94.6	95.3	95.8	96.4	96.5	96.6	96.6	96.7	97.1	97.1	97.2	97.4	97.6	97.8
≥ 1800	85.0	92.6	95.2	95.8	96.4	97.0	97.1	97.2	97.2	97.3	97.6	97.6	97.8	98.0	98.2	98.4
≥ 1500	85.1	92.7	95.3	95.9	96.5	97.1	97.1	97.3	97.3	97.3	97.7	97.7	97.8	98.1	98.3	98.5
≥ 1200	85.2	92.8	95.4	96.1	96.6	97.2	97.3	97.4	97.4	97.5	97.8	97.8	98.0	98.2	98.4	98.6
≥ 1000	85.2	92.8	95.4	96.1	96.6	97.2	97.3	97.4	97.4	97.5	97.8	97.8	98.0	98.2	98.4	98.6
≥ 900	85.4	93.0	95.6	96.3	96.9	97.6	97.7	97.8	97.8	97.9	98.3	98.3	98.4	98.6	98.9	99.1
≥ 800	85.4	93.0	95.6	96.3	96.9	97.6	97.7	97.8	97.8	97.9	98.3	98.3	98.5	98.7	98.9	99.1
≥ 700	85.4	93.0	95.6	96.3	97.1	97.8	97.8	98.0	98.0	98.1	98.4	98.4	98.6	98.9	99.1	99.3
≥ 600	85.4	93.0	95.6	96.3	97.1	97.8	97.8	98.0	98.0	98.1	98.4	98.4	98.6	98.9	99.1	99.3
≥ 500	85.4	93.0	95.6	96.3	97.1	97.8	97.8	98.0	98.0	98.1	98.4	98.4	98.6	98.9	99.1	99.3
≥ 400	85.4	93.0	95.6	96.3	97.1	97.8	97.9	98.1	98.1	98.1	98.5	98.5	98.7	98.9	99.1	99.4
≥ 300	85.4	93.0	95.6	96.3	97.1	97.8	97.9	98.1	98.1	98.1	98.5	98.5	98.7	98.9	99.1	99.4
≥ 200	85.4	93.0	95.6	96.3	97.1	97.8	97.9	98.1	98.1	98.2	98.6	98.6	98.8	99.0	99.2	99.4
≥ 100	85.4	93.0	95.6	96.3	97.1	97.8	97.9	98.1	98.1	98.2	98.6	98.6	98.8	99.0	99.2	99.4
≥ 0	85.4	93.0	95.6	96.3	97.1	97.8	97.9	98.1	98.1	98.2	98.6	98.6	98.8	99.0	99.4	99.6
	85.4	93.0	95.6	96.3	97.1	97.8	97.9	98.1	98.1	98.2	98.6	98.6	98.8	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 416 DHAHRAN SAUDI ARABIA 47-62 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

VISIBILITY (STATUTE MILES)

CEILING (FEET)	≥10	10	7	5	4	3	2½	2	1½	1¼	1	¾	½	¼	0
≥ 12000	83.5	87.5	88.5	89.4	90.3	90.5	90.8	90.9	90.9	91.2	91.2	91.2	91.7	91.7	91.8	92.2
8000	85.4	89.6	91.0	91.9	92.8	93.0	93.3	93.4	93.4	93.7	93.8	93.8	94.2	94.3	94.4	94.7
6000	85.8	90.1	91.5	92.4	93.3	93.5	93.8	93.9	93.9	94.2	94.3	94.3	94.7	94.8	94.9	95.3
5000	86.4	90.7	92.0	93.0	93.9	94.1	94.4	94.5	94.5	94.7	94.9	94.9	95.3	95.4	95.5	95.8
4500	89.0	93.4	94.7	95.7	96.6	96.9	97.2	97.3	97.3	97.5	97.7	97.7	98.1	98.2	98.3	98.7
4000	93.1	98.2	99.7	80.6	81.5	81.8	82.1	82.2	82.2	82.5	82.6	82.6	83.0	83.1	83.2	83.6
3500	96.7	82.0	83.5	84.5	85.4	85.7	86.0	96.1	86.1	86.3	86.5	86.5	86.9	87.0	87.1	87.6
3000	97.7	83.1	84.6	85.6	86.6	86.8	87.1	87.2	87.2	87.5	87.6	87.6	88.1	88.1	88.2	88.7
2500	79.5	85.6	87.1	88.0	89.0	89.3	89.6	89.6	89.6	89.9	90.1	90.1	90.5	90.6	90.6	91.1
2200	80.2	86.3	87.8	88.8	89.8	90.1	90.3	90.4	90.4	90.7	90.8	90.8	91.3	91.3	91.4	91.9
2000	81.2	87.6	89.1	90.1	91.1	91.3	91.6	91.7	91.7	92.0	92.1	92.1	92.6	92.6	92.7	93.2
1800	81.7	88.3	89.8	90.6	91.9	92.2	92.5	92.6	92.6	92.8	93.0	93.0	93.4	93.5	93.6	94.1
1500	81.8	88.3	90.0	90.9	92.1	92.3	92.6	92.7	92.7	93.0	93.1	93.1	93.6	93.6	93.7	94.2
1400	82.3	89.2	90.9	91.8	93.0	93.3	93.6	93.6	93.6	93.9	94.1	94.1	94.5	94.6	94.6	95.1
1300	82.4	89.3	90.9	91.9	93.1	93.3	93.6	93.7	93.7	94.0	94.1	94.1	94.6	94.6	94.7	95.2
1200	83.0	90.5	92.1	93.1	94.3	94.6	94.8	94.9	94.9	95.2	95.4	95.4	95.8	95.9	95.9	96.4
1100	83.1	90.7	92.3	93.4	94.6	94.9	95.3	95.4	95.4	95.6	95.8	95.8	96.2	96.3	96.4	96.9
1000	83.3	91.0	92.6	93.8	95.1	95.4	95.7	95.8	95.8	96.1	96.2	96.2	96.6	96.7	96.8	97.4
900	83.3	91.0	92.6	93.8	95.1	95.4	95.8	95.9	95.9	96.1	96.3	96.3	96.7	96.8	96.9	97.4
800	83.3	91.1	92.8	94.0	95.2	95.6	95.9	96.0	96.0	96.3	96.4	96.4	96.9	96.9	97.0	97.6
700	83.5	91.3	93.0	94.2	95.4	95.9	96.2	96.3	96.4	96.6	96.8	96.8	97.2	97.3	97.4	97.9
600	83.6	91.5	93.2	94.4	95.6	96.1	96.4	96.5	96.7	97.0	97.1	97.1	97.6	97.6	97.7	98.3
500	83.6	91.5	93.2	94.4	95.6	96.1	96.4	96.5	96.7	97.0	97.1	97.1	97.6	97.6	97.7	98.3
400	83.6	91.5	93.2	94.4	95.6	96.1	96.4	96.5	96.7	97.0	97.1	97.1	97.6	97.6	97.7	98.3
300	83.6	91.5	93.3	94.5	95.7	96.1	96.5	96.6	96.8	97.1	97.2	97.2	97.6	97.7	97.8	98.4
200	83.6	91.5	93.3	94.5	95.7	96.1	96.5	96.6	96.8	97.1	97.2	97.2	97.6	97.7	97.8	98.5
150	83.6	91.5	93.3	94.6	95.8	96.2	96.6	96.6	96.9	97.2	97.4	97.4	97.8	97.9	98.1	98.9
100	83.7	91.6	93.4	94.6	95.9	96.4	96.7	96.8	97.0	97.4	97.5	97.5	97.9	98.0	98.3	99.0
50	83.8	91.6	93.5	94.7	96.1	96.6	96.9	97.0	97.2	97.6	97.7	97.7	98.1	98.2	98.5	99.2
0	83.8	91.6	93.5	94.8	96.1	96.6	97.0	97.1	97.3	97.6	97.8	97.8	98.3	98.4	98.7	99.4
	83.8	91.6	93.5	94.8	96.1	96.6	97.0	97.1	97.3	97.6	97.9	97.9	98.4	98.4	98.8	99.5
	83.8	91.6	93.5	94.8	96.1	96.6	97.0	97.1	97.3	97.6	97.9	97.9	98.4	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1396

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 DHAHRAN SAUDI ARABIA 47-62 JAN

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
UNL	62.8	67.0	68.3	69.1	70.3	70.5	71.0	71.4	71.4	72.2	72.5	72.6	72.9	73.1	73.1	73.1
20000	65.7	70.1	71.6	72.5	74.0	74.2	74.9	75.2	75.3	76.0	76.3	76.5	76.7	76.9	76.9	76.9
15000	65.9	70.2	71.8	72.6	74.1	74.3	75.0	75.3	75.4	76.1	76.5	76.6	76.9	77.0	77.0	77.1
12000	66.4	70.8	72.4	73.3	74.7	74.9	75.6	75.9	76.0	76.7	77.1	77.2	77.5	77.6	77.6	77.7
10000	67.9	72.3	74.0	74.9	76.4	76.6	77.3	77.6	77.7	78.4	78.8	78.9	79.2	79.3	79.3	79.4
9000	71.3	76.1	78.0	78.9	80.6	80.8	81.6	81.9	82.0	82.7	83.1	83.3	83.5	83.7	83.7	83.7
8000	75.8	80.6	82.8	83.6	85.5	85.8	86.5	86.8	86.9	87.6	88.0	88.2	88.4	88.6	88.6	88.6
7000	76.6	81.9	83.8	84.8	86.5	86.8	87.6	87.9	88.0	88.8	89.2	89.3	89.6	89.7	89.7	89.8
6000	78.6	84.1	86.2	87.2	88.8	89.1	89.9	90.3	90.3	91.1	91.5	91.7	91.9	92.1	92.1	92.1
5000	79.3	85.0	87.0	88.1	89.8	90.1	90.9	91.2	91.3	92.1	92.5	92.6	92.9	93.0	93.0	93.1
4500	80.1	86.0	88.0	89.1	90.8	91.1	91.9	92.2	92.3	93.1	93.5	93.6	93.9	94.0	94.0	94.1
4000	81.1	87.0	89.0	90.1	91.8	92.1	92.9	93.2	93.3	94.1	94.5	94.6	94.9	95.0	95.0	95.1
3500	81.3	87.2	89.2	90.3	91.9	92.2	93.0	93.3	93.4	94.2	94.6	94.8	95.0	95.2	95.2	95.2
3000	81.6	87.5	89.5	90.6	92.3	92.5	93.3	93.7	93.8	94.6	95.0	95.1	95.4	95.5	95.5	95.6
2500	81.6	87.5	89.5	90.6	92.3	92.6	93.4	93.8	93.8	94.6	95.1	95.2	95.5	95.6	95.6	95.7
2000	82.2	88.3	90.3	91.4	93.2	93.5	94.3	94.6	94.7	95.5	96.0	96.1	96.4	96.5	96.5	96.6
1800	82.6	88.8	90.8	91.9	93.7	94.0	94.9	95.2	95.3	96.1	96.6	96.7	97.0	97.1	97.1	97.2
1500	82.9	89.1	91.3	92.4	94.2	94.5	95.4	95.6	95.8	96.7	97.2	97.3	97.6	97.7	97.7	97.8
1200	82.9	89.1	91.4	92.5	94.3	94.6	95.5	95.8	95.9	96.8	97.2	97.4	97.6	97.8	97.8	97.8
1000	82.9	89.2	91.7	92.7	94.6	94.8	95.8	96.2	96.2	97.1	97.6	97.7	98.0	98.1	98.1	98.2
900	82.9	89.4	91.8	92.9	94.7	95.0	96.0	96.3	96.4	97.2	97.7	97.8	98.1	98.3	98.3	98.3
800	82.9	89.4	91.9	93.0	94.9	95.2	96.2	96.5	96.6	97.4	97.9	98.1	98.3	98.5	98.5	98.5
700	83.1	89.7	92.1	93.2	95.1	95.4	96.4	96.7	96.8	97.6	98.1	98.3	98.5	98.7	98.7	98.7
600	83.1	89.7	92.1	93.2	95.1	95.4	96.5	96.8	96.9	97.8	98.3	98.4	98.7	98.8	98.8	98.9
500	83.1	89.8	92.3	93.3	95.2	95.5	96.6	97.0	97.0	97.9	98.4	98.5	98.8	98.9	98.9	99.0
400	83.2	90.1	92.6	93.8	95.6	95.9	97.0	97.4	97.4	98.3	98.8	98.9	99.2	99.3	99.3	99.4
300	83.2	90.1	92.6	93.8	95.6	96.0	97.1	97.4	97.5	98.5	98.9	99.1	99.4	99.7	99.7	99.7
200	83.2	90.2	92.7	93.8	95.7	96.0	97.2	97.5	97.6	98.5	99.0	99.1	99.5	99.7	99.7	99.8
100	83.2	90.2	92.7	93.8	95.7	96.0	97.2	97.5	97.6	98.5	99.0	99.1	99.5	99.7	99.7	99.8
50	83.2	90.2	92.7	93.8	95.7	96.0	97.2	97.5	97.6	98.5	99.0	99.1	99.5	99.8	99.8	99.9
0	83.2	90.2	92.7	93.8	95.7	96.0	97.2	97.5	97.6	98.5	99.0	99.1	99.5	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1488

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 DHAHRAN SAUDI ARABIA 47-62 JAN
STATION STATION NAME YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥	≥¾	≥½	≥¼	≥⅛	0			
CLR	63.0	66.7	68.2	69.6	70.8	71.2	72.0	72.0	72.0	74.5	73.1	73.2	73.6	73.7	73.7	73.7
≥20000	66.6	70.7	72.4	73.8	75.0	75.4	76.2	76.4	76.4	77.0	77.6	77.7	78.2	78.3	78.3	78.3
≥18000	66.8	70.9	72.6	74.0	75.2	75.6	76.4	76.6	76.6	77.2	77.8	78.0	78.4	78.5	78.5	78.5
≥16000	67.5	71.8	73.6	74.9	76.2	76.6	77.4	77.5	77.5	78.2	78.8	78.9	79.3	79.5	79.5	79.5
≥14000	68.7	73.0	74.7	76.1	77.3	77.7	78.6	78.7	78.7	79.3	79.9	80.1	80.5	80.6	80.6	80.6
≥12000	72.6	77.1	78.8	80.2	81.7	82.1	83.0	83.2	83.2	83.9	84.5	84.7	85.2	85.3	85.3	85.3
≥10000	76.6	81.3	83.1	84.5	85.9	86.4	87.4	87.5	87.5	88.2	88.9	89.0	89.5	89.6	89.6	89.6
≥9000	77.7	82.6	84.3	85.7	87.2	87.6	88.8	88.9	88.9	89.6	90.3	90.5	90.9	91.1	91.1	91.1
≥8000	79.1	83.9	85.7	87.2	88.6	89.1	90.2	90.4	90.4	91.1	91.8	91.9	92.4	92.5	92.5	92.5
≥7000	79.1	84.1	85.9	87.3	88.7	89.2	90.4	90.5	90.5	91.2	91.9	92.0	92.5	92.7	92.7	92.7
6000	79.5	84.5	86.4	87.8	89.4	89.8	91.0	91.1	91.1	91.8	92.5	92.7	93.1	93.3	93.3	93.3
5000	81.0	86.3	88.2	89.6	91.1	91.6	92.8	92.9	92.9	93.6	94.2	94.4	94.9	95.1	95.1	95.1
4500	81.0	86.4	88.3	89.8	91.3	91.8	92.9	93.1	93.1	93.8	94.4	94.6	95.1	95.2	95.2	95.2
4000	81.5	87.2	89.1	90.5	92.1	92.6	93.8	93.9	93.9	94.6	95.3	95.4	95.9	96.0	96.0	96.0
3500	81.7	87.4	89.3	90.7	92.4	92.9	94.0	94.2	94.2	95.1	95.7	95.9	96.4	96.5	96.5	96.5
3000	82.6	88.4	90.3	91.8	93.5	94.0	95.1	95.3	95.3	96.2	96.8	97.0	97.5	97.6	97.6	97.6
2500	82.9	88.7	90.7	92.1	93.8	94.3	95.5	95.6	95.6	96.5	97.2	97.3	97.8	97.9	97.9	97.9
2000	83.1	89.0	90.9	92.4	94.2	94.6	95.8	95.9	95.9	96.8	97.5	97.7	98.1	98.3	98.3	98.3
1800	83.1	89.1	91.0	92.4	94.2	94.7	95.9	96.0	96.0	96.9	97.6	97.7	98.2	98.4	98.4	98.4
1500	83.2	89.4	91.3	92.6	94.6	95.1	96.2	96.4	96.4	97.3	98.0	98.1	98.7	98.8	98.8	98.8
1200	83.2	89.4	91.4	92.9	94.6	95.1	96.3	96.4	96.4	97.4	98.1	98.2	98.8	98.9	98.9	98.9
1000	83.2	89.4	91.5	92.9	94.8	95.3	96.5	96.6	96.6	97.6	98.3	98.4	99.0	99.1	99.1	99.1
900	83.2	89.4	91.5	92.9	94.8	95.3	96.5	96.6	96.6	97.6	98.3	98.4	99.0	99.1	99.1	99.1
800	83.2	89.5	91.6	93.0	94.8	95.3	96.6	96.7	96.7	97.7	98.4	98.5	99.0	99.2	99.2	99.2
700	83.2	89.5	91.6	93.1	94.9	95.4	96.6	96.8	96.8	97.7	98.4	98.6	99.1	99.2	99.2	99.2
600	83.2	89.7	91.8	93.3	95.2	95.7	96.9	97.0	97.0	98.0	98.7	98.8	99.4	99.5	99.5	99.5
500	83.2	89.8	92.0	93.5	95.3	95.8	97.0	97.2	97.2	98.1	98.8	99.0	99.5	99.9	99.9	99.9
400	83.2	89.8	92.0	93.6	95.5	95.9	97.2	97.3	97.3	98.3	99.0	99.1	99.7	100.0	100.0	100.0
300	83.2	89.8	92.0	93.6	95.5	95.9	97.2	97.3	97.3	98.3	99.0	99.1	99.7	100.0	100.0	100.0
200	83.2	89.8	92.0	93.6	95.5	95.9	97.2	97.3	97.3	98.3	99.0	99.1	99.7	100.0	100.0	100.0
100	83.2	89.8	92.0	93.6	95.5	95.9	97.2	97.3	97.3	98.3	99.0	99.1	99.7	100.0	100.0	100.0
0	83.2	89.8	92.0	93.6	95.5	95.9	97.2	97.3	97.3	98.3	99.0	99.1	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1456

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 JHAHRAN SAUDI ARABIA 47-62 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	9	8	7	6	5	4	3	2½	2	1½	1¼	1	⅞	½	0
Ceiling	65.2	68.8	70.3	71.3	72.4	72.7	73.3	73.6	73.8	73.9	74.2	74.3	74.5	74.5	74.6	74.6
20000	68.9	73.0	74.8	76.0	77.3	77.7	78.3	78.6	78.6	78.9	79.2	79.3	79.5	79.5	79.6	79.6
15000	69.0	73.1	74.8	76.1	77.4	77.7	78.4	78.7	78.7	79.0	79.3	79.4	79.6	79.6	79.7	79.7
12000	69.7	73.7	75.5	76.8	78.1	78.5	79.1	79.5	79.5	79.7	80.1	80.1	80.3	80.3	80.4	80.4
10000	71.1	75.3	77.0	78.4	79.7	80.0	80.6	81.0	81.0	81.2	81.6	81.6	81.9	81.9	81.9	81.9
9000	75.2	79.5	81.3	82.7	84.1	84.5	85.2	85.6	85.8	85.8	86.2	86.3	86.5	86.5	86.7	86.7
8000	78.4	83.2	84.9	86.3	87.8	88.2	88.9	89.2	89.2	89.5	89.8	89.9	90.2	90.2	90.4	90.4
7000	79.5	84.4	86.3	87.6	89.1	89.5	90.2	90.6	90.6	90.9	91.2	91.3	91.5	91.6	91.8	91.8
6000	81.0	86.0	87.8	89.3	90.7	91.1	91.9	92.2	92.2	92.5	92.9	92.9	93.2	93.3	93.5	93.5
5000	81.3	86.3	88.1	89.6	91.0	91.4	92.2	92.5	92.5	92.8	93.1	93.2	93.5	93.5	93.7	93.7
4500	81.8	87.1	88.9	90.4	91.8	92.2	93.0	93.3	93.3	93.6	94.0	94.0	94.4	94.4	94.6	94.6
4000	83.2	88.6	90.5	92.0	93.4	93.8	94.6	94.9	94.9	95.2	95.5	95.6	95.9	96.0	96.2	96.2
3500	83.2	88.6	90.5	92.0	93.4	93.8	94.6	94.9	94.9	95.2	95.5	95.6	95.9	96.0	96.2	96.2
3000	83.8	89.3	91.3	92.8	94.4	94.8	95.5	95.9	95.9	96.2	96.5	96.6	96.9	97.0	97.2	97.2
2500	83.8	89.4	91.4	92.9	94.5	94.9	95.7	96.1	96.1	96.4	96.8	96.8	97.2	97.3	97.5	97.5
2000	84.3	90.0	92.0	93.5	95.1	95.5	96.4	96.7	96.7	97.0	97.4	97.5	97.8	97.9	98.1	98.1
1800	84.5	90.2	92.2	93.7	95.3	95.7	96.6	96.9	96.9	97.3	97.6	97.7	98.0	98.1	98.3	98.3
1700	84.6	90.3	92.3	93.8	95.5	95.9	96.7	97.1	97.1	97.5	97.9	97.9	98.3	98.4	98.6	98.6
1600	84.7	90.5	92.5	94.0	95.7	96.1	96.9	97.3	97.3	97.7	98.1	98.1	98.5	98.6	98.8	98.8
1500	84.7	90.6	92.6	94.1	95.7	96.2	97.0	97.5	97.5	97.9	98.2	98.3	98.7	98.8	99.0	99.0
1400	84.7	90.6	92.6	94.1	95.7	96.2	97.0	97.5	97.5	97.9	98.2	98.3	98.7	98.8	99.0	99.0
1300	84.7	90.7	92.8	94.4	96.1	96.5	97.5	97.9	97.9	98.3	98.6	98.7	99.1	99.2	99.4	99.4
1200	84.7	90.8	92.9	94.4	96.2	96.6	97.5	97.9	97.9	98.4	98.7	98.8	99.2	99.2	99.5	99.5
1100	84.7	90.8	92.9	94.4	96.2	96.6	97.5	97.9	97.9	98.4	98.7	98.8	99.2	99.2	99.5	99.5
1000	84.7	90.8	92.9	94.4	96.2	96.6	97.5	97.9	97.9	98.4	98.7	98.8	99.2	99.2	99.5	99.5
900	84.8	90.9	92.9	94.5	96.2	96.6	97.6	98.0	98.0	98.4	98.8	98.8	99.2	99.3	99.5	99.5
800	84.8	90.9	92.9	94.5	96.2	96.6	97.6	98.0	98.0	98.4	98.8	98.8	99.3	99.5	99.7	99.7
700	84.8	90.9	92.9	94.5	96.2	96.6	97.6	98.0	98.0	98.4	98.8	98.8	99.3	99.5	99.7	99.7
600	84.8	90.9	92.9	94.5	96.2	96.6	97.7	98.1	98.1	98.5	98.8	98.9	99.4	99.6	99.8	99.8
500	84.8	90.9	92.9	94.5	96.2	96.6	97.7	98.2	98.2	98.6	99.0	99.0	99.5	99.7	99.9	99.9
400	84.8	90.9	92.9	94.5	96.2	96.6	97.7	98.2	98.2	98.6	99.0	99.0	99.5	99.7	99.9	99.9
300	84.8	90.9	92.9	94.5	96.2	96.6	97.7	98.2	98.2	98.6	99.0	99.0	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1455

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 DHAHRAN SAUDI ARABIA 47-62 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES ≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0
≥ 22000	72.2	76.4	77.8	78.8	79.3	79.6	79.7	79.8	79.9	79.9	79.9	80.0
≥ 20000	74.3	79.2	80.6	81.5	82.1	82.4	82.5	82.6	82.6	82.7	82.7	82.7
≥ 18000	74.4	79.3	80.7	81.6	82.2	82.4	82.6	82.6	82.7	82.8	82.8	82.8
≥ 16000	74.7	79.6	81.0	82.0	82.5	82.6	82.9	83.0	83.0	83.1	83.1	83.2
≥ 14000	76.3	81.3	82.7	83.6	84.2	84.4	84.6	84.6	84.7	84.8	84.8	84.8
≥ 12000	80.4	85.6	87.0	87.9	88.5	88.8	88.9	89.0	89.0	89.1	89.1	89.1
≥ 10000	83.8	89.2	90.7	91.6	92.3	92.6	92.7	92.8	92.9	93.0	93.0	93.0
≥ 9000	84.7	90.2	91.6	92.8	93.4	93.7	93.8	93.9	93.9	94.1	94.1	94.1
≥ 8000	86.3	91.9	93.3	94.5	95.1	95.4	95.5	95.6	95.6	95.8	95.8	95.8
≥ 7000	86.5	92.1	93.6	94.7	95.4	95.6	95.8	95.8	95.9	96.0	96.0	96.0
≥ 6000	86.8	92.7	94.1	95.4	96.0	96.2	96.4	96.4	96.5	96.6	96.6	96.6
≥ 5000	87.7	94.1	95.6	96.8	97.4	97.7	97.8	97.9	98.0	98.1	98.1	98.1
≥ 4500	87.8	94.3	95.8	97.0	97.6	97.8	98.0	98.0	98.1	98.2	98.2	98.2
≥ 4000	87.9	94.5	96.1	97.3	98.0	98.3	98.5	98.5	98.6	98.7	98.7	98.8
≥ 3500	88.0	94.7	96.2	97.4	98.2	98.5	98.6	98.7	98.7	98.9	98.9	98.9
≥ 3000	88.1	94.8	96.4	97.6	98.4	98.7	98.8	98.9	98.9	99.1	99.1	99.1
≥ 2500	88.1	94.9	96.6	97.8	98.6	98.9	99.0	99.1	99.1	99.3	99.3	99.3
≥ 2000	88.1	94.9	96.6	97.8	98.6	98.9	99.0	99.1	99.1	99.3	99.3	99.3
≥ 1800	88.1	94.9	96.6	97.8	98.6	98.9	99.0	99.1	99.1	99.3	99.3	99.3
≥ 1500	88.3	95.1	96.8	98.0	98.7	99.0	99.1	99.2	99.3	99.4	99.4	99.4
≥ 1200	88.3	95.1	96.8	98.0	98.7	99.0	99.1	99.2	99.3	99.4	99.4	99.4
≥ 1000	88.3	95.1	96.8	98.0	98.8	99.1	99.2	99.3	99.3	99.5	99.5	99.5
≥ 900	88.3	95.1	96.8	98.0	98.8	99.1	99.2	99.3	99.3	99.5	99.5	99.5
≥ 800	88.3	95.1	96.8	98.0	98.8	99.1	99.2	99.3	99.3	99.5	99.5	99.5
≥ 700	88.3	95.1	96.8	98.0	98.8	99.1	99.2	99.3	99.3	99.5	99.5	99.5
≥ 600	88.3	95.1	96.8	98.0	98.8	99.1	99.2	99.3	99.3	99.5	99.5	99.5
≥ 500	88.3	95.1	96.8	98.0	98.8	99.1	99.2	99.3	99.4	99.5	99.5	99.5
≥ 400	88.3	95.1	96.8	98.0	98.8	99.1	99.2	99.3	99.4	99.5	99.5	99.5
≥ 300	88.3	95.1	96.8	98.0	98.8	99.1	99.2	99.3	99.4	99.5	99.5	99.5
≥ 200	88.3	95.1	96.8	98.0	98.8	99.1	99.3	99.4	99.5	99.6	99.6	99.6
≥ 100	88.3	95.1	96.8	98.0	98.8	99.1	99.3	99.4	99.5	99.6	99.6	99.6
0	88.3	95.1	96.8	98.0	98.8	99.1	99.3	99.4	99.5	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 1485

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 4165 DHAHRAN SAUDI ARABIA 47-62 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	3	2½	2	1¾	1½	1¼	1	¾	½	¼	0					
22000+	76.6	81.7	81.6	82.5	82.9	83.1	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
20000	77.4	81.6	82.6	83.5	83.8	84.1	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
18000	77.6	81.8	82.8	83.7	84.0	84.3	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
17000	77.7	82.0	82.9	83.8	84.2	84.5	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
16000	78.9	83.1	84.1	85.0	85.4	85.6	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
15000	81.9	86.4	87.3	88.2	88.7	89.0	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
14000	84.8	89.8	90.7	91.7	92.1	92.4	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
13000	85.3	90.3	91.3	92.3	92.8	93.1	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
12000	86.7	91.9	93.1	94.0	94.5	94.8	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
11000	86.9	92.2	93.3	94.3	94.8	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
10000	87.3	92.6	93.7	94.7	95.2	95.5	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
9000	88.1	93.9	95.1	96.1	96.6	96.9	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
8000	88.2	94.1	95.3	96.2	96.7	97.0	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
7000	88.6	94.6	95.7	96.7	97.2	97.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
6000	88.6	94.6	95.7	96.7	97.2	97.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
5000	88.9	95.3	96.5	97.5	98.0	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
4500	89.1	95.5	96.8	97.7	98.3	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
4000	89.1	95.5	96.8	97.7	98.3	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
3500	89.1	95.5	96.8	97.7	98.3	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
3000	89.3	95.7	97.0	97.9	98.5	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2500	89.3	95.7	97.0	97.9	98.5	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2000	89.3	95.7	97.0	97.9	98.5	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1800	89.3	95.7	97.0	97.9	98.5	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1600	89.3	95.7	97.0	97.9	98.5	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1400	89.3	95.7	97.0	97.9	98.5	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1200	89.3	95.7	97.0	98.0	98.6	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000	89.3	95.7	97.0	98.0	98.6	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	89.3	95.7	97.0	98.0	98.6	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	89.3	95.7	97.0	98.0	98.6	98.9	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
700	89.3	95.7	97.0	98.0	98.6	98.9	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
600	89.3	95.7	97.0	98.0	98.6	98.9	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
500	89.3	95.7	97.0	98.0	98.6	98.9	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1454

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41216 DHAHRAN SAUDI ARABIA 47-62 JAN
STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES																
		2½		2		1½	1¼	1	¾	½	⅜	¼	0				
	69.1	73.0	74.3	75.2	76.0	76.3	76.7	76.9	76.9	77.2	77.4	77.5	77.7	77.7	77.8	77.9	
	71.3	75.5	76.9	77.9	78.7	79.1	79.5	79.7	79.7	80.0	80.2	80.3	80.5	80.6	80.6	80.7	
8XX	71.4	75.6	77.1	78.0	78.9	79.2	79.7	79.9	79.9	80.2	80.4	80.4	80.6	80.7	80.8	80.9	
7XX	71.9	76.1	77.5	78.5	79.4	79.7	80.1	80.3	80.4	80.6	80.9	80.9	81.1	81.2	81.3	81.4	
6XX	73.4	77.7	79.2	80.2	81.1	81.4	81.8	82.0	82.0	82.3	82.6	82.6	82.8	82.9	83.0	83.1	
5XX	77.0	81.6	83.1	84.1	85.1	85.5	85.9	86.1	86.1	86.4	86.7	86.7	86.9	87.0	87.1	87.2	
4XX	80.2	85.2	86.7	87.7	88.7	89.1	89.6	89.8	89.8	90.1	90.3	90.4	90.6	90.7	90.8	90.9	
3XX	81.3	86.1	87.7	88.7	89.7	90.1	90.6	90.8	90.8	91.1	91.4	91.4	91.6	91.7	91.8	91.9	
2XX	82.6	87.9	89.5	90.5	91.6	91.9	92.5	92.7	92.7	93.0	93.2	93.3	93.5	93.6	93.7	93.8	
1XX	83.0	88.3	90.0	91.0	92.0	92.4	92.9	93.1	93.1	93.5	93.7	93.7	94.0	94.1	94.1	94.3	
0XX	83.5	89.0	90.7	91.8	92.8	93.2	93.7	93.9	93.9	94.2	94.5	94.5	94.8	94.9	95.0	95.1	
00	84.3	90.3	92.0	93.1	94.1	94.5	95.0	95.2	95.3	95.6	95.8	95.9	96.1	96.2	96.3	96.4	
40	84.4	90.4	92.1	93.2	94.2	94.6	95.1	95.3	95.4	95.7	95.9	96.0	96.2	96.3	96.4	96.5	
30	84.7	90.9	92.7	93.8	94.9	95.3	95.8	96.0	96.0	96.4	96.6	96.7	96.9	97.0	97.1	97.2	
22	84.8	91.0	92.8	93.9	95.0	95.4	95.9	96.1	96.2	96.5	96.8	96.8	97.1	97.1	97.2	97.3	
20	85.2	91.7	93.5	94.5	95.7	96.1	96.6	96.8	96.9	97.2	97.5	97.5	97.8	97.8	97.9	98.0	
18	85.4	91.9	93.7	94.8	96.0	96.4	96.9	97.1	97.2	97.5	97.8	97.8	98.1	98.2	98.2	98.4	
16	85.5	92.1	93.9	95.0	96.2	96.6	97.2	97.4	97.4	97.8	98.0	98.1	98.3	98.4	98.5	98.6	
14	85.6	92.1	93.9	95.0	96.2	96.6	97.2	97.4	97.4	97.8	98.1	98.1	98.4	98.5	98.5	98.7	
12	85.6	92.2	94.1	95.2	96.4	96.9	97.4	97.7	97.7	98.1	98.3	98.4	98.6	98.7	98.8	98.9	
10	85.7	92.3	94.2	95.3	96.5	96.9	97.5	97.8	97.8	98.2	98.4	98.5	98.7	98.8	98.9	99.0	
9	85.7	92.4	94.3	95.4	96.7	97.1	97.7	97.9	98.0	98.3	98.6	98.6	98.9	99.0	99.1	99.2	
8	85.7	92.4	94.3	95.4	96.7	97.1	97.7	97.9	98.0	98.4	98.6	98.7	98.9	99.0	99.1	99.2	
7	85.8	92.4	94.3	95.5	96.7	97.1	97.8	98.0	98.0	98.4	98.7	98.7	99.0	99.1	99.1	99.3	
6	85.8	92.4	94.4	95.5	96.7	97.2	97.8	98.0	98.1	98.4	98.7	98.8	99.0	99.1	99.2	99.3	
5	85.8	92.5	94.5	95.6	96.8	97.3	97.9	98.1	98.2	98.6	98.8	98.9	99.1	99.2	99.3	99.5	
4	85.8	92.5	94.5	95.6	96.9	97.3	97.9	98.2	98.2	98.6	98.9	98.9	99.2	99.4	99.5	99.6	
3	85.8	92.6	94.5	95.7	96.9	97.4	98.0	98.2	98.3	98.7	99.0	99.0	99.3	99.4	99.5	99.7	
2	85.8	92.6	94.5	95.7	96.9	97.4	98.0	98.3	98.3	98.7	99.0	99.0	99.3	99.5	99.6	99.7	
1	85.8	92.6	94.5	95.7	96.9	97.4	98.0	98.3	98.4	98.8	99.0	99.1	99.4	99.5	99.7	99.8	
0	85.8	92.6	94.5	95.7	96.9	97.4	98.0	98.3	98.4	98.8	99.0	99.1	99.4	99.5	99.7	99.9	
	85.8	92.6	94.5	95.7	96.9	97.4	98.0	98.3	98.4	98.8	99.0	99.1	99.4	99.6	99.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 11526

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 4160 DHAHRAN SAUDI ARABIA 46,49-52

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	6	5	4	3½	3	2½	2	1½	1¼	1	¾	½	¼	0	
22000	73.5	78.9	81.1	80.6	81.3	81.5	81.8	82.1	82.1	82.3	82.4	82.4	82.6	82.7	82.7	83.0
20000	74.7	80.4	81.6	82.3	82.9	83.1	83.4	83.7	83.7	83.9	84.0	84.0	84.2	84.3	84.4	84.7
18000	74.8	80.5	81.7	82.3	83.2	83.3	83.6	84.0	84.0	84.1	84.3	84.3	84.4	84.6	84.7	85.0
16000	75.5	81.2	82.4	83.0	83.9	84.0	84.3	84.6	84.6	84.8	85.0	85.0	85.1	85.3	85.4	85.7
14000	77.1	83.0	84.3	84.9	85.7	[illegible]9	86.2	86.5	86.5	86.7	86.8	86.8	87.0	87.1	87.3	87.6
12000	80.3	86.8	88.3	88.9	89.7	89.9	90.2	90.5	90.5	90.7	90.9	90.8	91.0	91.1	91.3	91.6
10000	83.2	90.4	91.9	92.5	93.4	93.5	93.8	94.1	94.1	94.3	94.4	94.4	94.6	94.8	94.9	95.2
9000	83.5	91.0	92.5	93.1	94.0	94.1	94.5	94.8	94.9	95.0	95.1	95.1	95.3	95.4	95.6	95.9
8000	83.6	91.0	92.7	93.4	94.2	94.4	94.8	95.1	95.1	95.2	95.4	95.4	95.5	95.7	95.8	96.1
7000	83.9	91.6	93.2	93.9	94.8	94.9	95.3	95.6	95.6	95.8	95.9	95.9	96.1	96.2	96.4	96.7
6000	84.0	91.9	93.5	94.2	95.1	95.2	95.6	95.9	95.9	96.1	96.2	96.2	96.4	96.5	96.7	97.0
5000	84.1	92.2	93.8	94.5	95.4	95.5	95.9	96.2	96.2	96.4	96.5	96.5	96.7	96.8	97.0	97.3
4000	84.1	92.2	93.8	94.5	95.4	95.5	95.9	96.2	96.2	96.4	96.5	96.5	96.7	96.8	97.0	97.3
3000	84.1	92.4	94.0	94.7	95.5	95.7	96.1	96.4	96.4	96.5	96.7	96.7	96.8	97.0	97.1	97.5
2500	84.1	92.4	94.1	94.8	95.6	95.8	96.1	96.5	96.5	96.6	96.8	96.8	96.9	97.1	97.2	97.6
2000	84.1	92.7	94.4	95.1	95.9	96.1	96.5	96.8	96.8	96.9	97.1	97.1	97.2	97.4	97.5	97.8
1800	84.3	92.9	94.5	95.2	96.1	96.2	96.6	96.9	96.9	97.1	97.2	97.2	97.4	97.5	97.7	98.0
1600	84.3	93.0	94.6	95.3	96.2	96.4	96.8	97.1	97.1	97.2	97.4	97.4	97.5	97.7	97.8	98.1
1400	84.3	93.1	94.8	95.4	96.4	96.5	96.9	97.2	97.2	97.4	97.5	97.5	97.7	97.8	98.0	98.3
1200	84.6	93.4	95.0	95.7	96.6	96.8	97.2	97.5	97.5	97.8	97.9	97.9	98.1	98.2	98.4	98.7
1000	84.6	93.4	95.1	95.8	96.7	96.8	97.3	97.6	97.6	97.8	98.0	98.0	98.1	98.3	98.5	98.8
900	84.6	93.4	95.1	95.8	96.8	96.9	97.4	97.7	97.7	97.9	98.1	98.1	98.2	98.4	98.5	98.8
800	84.6	93.4	95.1	95.8	96.8	96.9	97.4	97.7	97.7	97.9	98.1	98.1	98.2	98.4	98.5	98.8
700	84.6	93.6	95.4	96.1	97.0	97.1	97.6	97.9	97.9	98.1	98.3	98.3	98.5	98.6	98.8	99.1
600	84.6	93.6	95.4	96.1	97.0	97.1	97.6	97.9	97.9	98.1	98.3	98.3	98.5	98.6	98.8	99.1
500	84.6	93.6	95.4	96.1	97.0	97.1	97.6	97.9	97.9	98.1	98.3	98.3	98.5	98.6	98.8	99.1
400	84.6	93.7	95.4	96.1	97.1	97.2	97.7	98.0	98.0	98.2	98.4	98.4	98.5	98.7	98.9	99.2
300	84.6	93.7	95.4	96.1	97.1	97.2	97.7	98.0	98.0	98.2	98.4	98.4	98.5	98.7	98.9	99.2
200	84.6	93.7	95.4	96.1	97.1	97.2	97.7	98.0	98.0	98.2	98.4	98.4	98.6	98.8	99.0	99.3
100	84.6	93.7	95.4	96.1	97.1	97.2	97.7	98.0	98.0	98.2	98.4	98.4	98.7	98.8	99.2	99.8
0	84.6	93.7	95.4	96.1	97.1	97.2	97.7	98.0	98.0	98.2	98.4	98.4	98.7	98.8	99.2	99.8
	84.6	93.7	95.4	96.1	97.1	97.2	97.7	98.0	98.0	98.2	98.4	98.4	98.7	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1296

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41616 DHAHRAN SAUDI ARABIA 46,48-E 26

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CEILING IN FEET																
	68.3	70.3	77.7	78.1	79.3	79.7	80.0	80.1	80.1	80.4	80.4	80.6	81.0	81.1	81.1	81.3
	69.5	77.8	79.2	79.7	80.8	81.2	81.5	81.7	81.7	81.9	82.0	82.1	82.5	82.8	82.6	82.8
	69.7	78.1	79.6	80.1	81.3	81.7	82.1	82.2	82.2	82.4	82.5	82.7	83.1	83.2	83.3	83.5
	70.1	78.4	79.9	80.4	81.6	82.0	82.4	82.5	82.5	82.8	82.8	83.0	83.4	83.5	83.5	83.8
	71.7	80.1	81.6	82.1	83.3	83.7	84.1	84.2	84.2	84.4	84.5	84.7	85.1	85.2	85.2	85.5
	76.0	84.6	86.3	86.8	88.1	88.5	89.0	89.1	89.1	89.4	89.5	89.6	90.1	90.1	90.1	90.5
	79.1	88.5	90.2	90.6	92.1	92.5	93.1	93.2	93.2	93.5	93.6	93.7	94.1	94.2	94.2	94.5
	79.8	89.2	91.0	91.5	92.8	93.3	93.8	94.0	94.0	94.2	94.3	94.5	94.9	95.1	95.2	95.5
	80.1	89.7	91.6	92.1	93.5	93.9	94.5	94.6	94.6	94.8	94.9	95.1	95.5	95.6	95.6	95.9
	80.7	90.2	92.2	92.6	94.1	94.5	95.1	95.2	95.2	95.5	95.6	95.7	96.2	96.2	96.2	96.5
	80.9	90.7	92.7	93.2	94.6	95.0	95.5	95.7	95.7	95.9	96.0	96.2	96.6	96.7	96.7	97.0
	81.1	91.1	93.3	93.8	95.2	95.6	96.2	96.3	96.3	96.5	96.6	96.8	97.2	97.3	97.3	97.6
	81.1	91.1	93.3	93.8	95.2	95.6	96.2	96.3	96.3	96.5	96.6	96.8	97.2	97.3	97.3	97.6
	81.2	91.5	93.6	94.1	95.5	95.9	96.5	96.6	96.6	96.8	96.9	97.1	97.5	97.6	97.6	97.9
	81.2	91.5	93.6	94.1	95.5	95.9	96.5	96.6	96.6	96.9	96.9	97.1	97.5	97.6	97.6	97.9
	81.2	91.5	93.7	94.2	95.5	96.0	96.5	96.7	96.7	96.9	97.0	97.2	97.6	97.7	97.7	98.0
	81.6	91.9	94.1	94.6	95.9	96.4	96.9	97.1	97.1	97.3	97.4	97.5	98.0	98.1	98.1	98.4
	81.8	92.2	94.4	94.9	96.2	96.7	97.2	97.4	97.4	97.6	97.7	97.8	98.3	98.4	98.4	98.7
	81.8	92.3	94.5	95.0	96.3	96.8	97.3	97.5	97.5	97.7	97.8	97.9	98.4	98.5	98.5	98.8
	81.8	92.3	94.5	95.1	96.4	96.8	97.4	97.5	97.5	97.8	97.8	98.0	98.5	98.5	98.5	98.8
	81.8	92.3	94.5	95.1	96.4	96.8	97.4	97.5	97.5	97.8	97.8	98.0	98.5	98.5	98.5	98.8
	81.8	92.4	94.6	95.2	96.6	97.1	97.6	97.8	97.8	98.0	98.1	98.2	98.7	98.8	98.8	99.1
	81.3	92.4	94.6	95.2	96.6	97.1	97.6	97.8	97.8	98.0	98.1	98.2	98.7	98.8	98.9	99.1
	81.8	92.5	94.8	95.4	96.8	97.2	97.8	97.9	97.9	98.2	98.2	98.4	98.8	98.9	98.9	99.2
	81.8	92.5	94.8	95.5	96.8	97.3	97.8	98.0	98.0	98.2	98.3	98.5	98.9	99.0	99.0	99.3
	81.8	92.5	94.8	95.5	96.8	97.3	97.8	98.0	98.0	98.2	98.3	98.5	98.9	99.0	99.0	99.3
	81.8	92.5	94.8	95.5	96.8	97.3	97.8	98.0	98.0	98.2	98.3	98.5	98.9	99.0	99.0	99.3
	81.8	92.5	94.8	95.5	96.8	97.3	97.8	98.0	98.0	98.2	98.3	98.5	98.9	99.0	99.0	99.3
	81.8	92.5	94.8	95.5	96.9	97.4	97.9	98.1	98.1	98.4	98.5	98.6	99.1	99.2	99.2	99.7
	81.8	92.5	94.8	95.5	96.9	97.4	97.9	98.1	98.1	98.4	98.5	98.6	99.2	99.2	99.2	99.6
	81.8	92.5	94.8	95.5	96.9	97.4	97.9	98.1	98.1	98.4	98.5	98.6	99.2	99.2	99.2	99.6
	81.8	92.5	94.8	95.5	96.9	97.4	97.9	98.1	98.1	98.4	98.5	98.6	99.2	99.2	99.2	99.6

TOTAL NUMBER OF OBSERVATIONS 1,99

USAF ETAC 0-14-5 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41616 DHAHRAN SAUDI ARABIA 48-62

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

	61.8	67.1	67.7	69.4	71.4	71.7	72.4	72.6	72.8	73.7	73.9	74.2	74.4	74.7	74.9	75.1		
	64.0	69.6	70.4	72.1	74.1	74.4	75.1	75.3	75.5	76.4	76.6	76.9	77.2	77.4	77.7	78.0		
	64.3	70.0	70.9	72.6	74.7	75.0	75.8	76.0	76.2	77.1	77.4	77.7	78.0	78.2	78.4	79.1		
	64.3	70.8	71.7	73.4	75.4	75.7	76.5	76.8	76.9	77.9	78.1	78.4	78.7	78.9	79.2	80.0		
	67.2	73.6	74.5	76.2	78.3	78.6	79.4	79.6	79.8	80.7	81.0	81.3	81.6	81.8	82.1	82.8		
	71.3	78.3	79.2	81.3	83.3	83.6	84.4	84.6	84.8	85.8	86.1	86.4	86.7	87.0	87.3	88.0		
	74.6	81.9	82.9	85.2	87.3	87.6	88.4	88.6	88.8	89.8	90.0	90.4	90.7	91.0	91.3	92.0		
	75.0	82.5	83.4	85.7	87.8	88.2	89.0	89.2	89.4	90.4	90.6	91.0	91.3	91.6	91.9	92.6		
	75.9	83.5	84.6	87.0	89.1	89.4	90.3	90.5	90.6	91.7	91.9	92.3	92.6	92.9	93.1	94.1		
	76.2	84.0	85.1	87.5	89.6	90.0	90.8	91.0	91.2	92.2	92.4	92.8	93.1	93.4	93.6	94.6		
	76.5	84.7	85.8	88.2	90.3	90.7	91.5	91.8	91.9	93.0	93.2	93.6	93.9	94.2	94.4	95.4		
	77.3	85.5	86.6	89.1	91.2	91.5	92.4	92.7	92.8	93.9	94.1	94.5	94.8	95.1	95.3	96.3		
	77.4	85.6	86.7	89.2	91.3	91.7	92.6	92.8	93.0	94.0	94.2	94.6	94.9	95.2	95.4	96.4		
	77.6	85.9	87.0	89.6	91.8	92.1	93.0	93.3	93.4	94.5	94.7	95.1	95.4	95.7	95.9	96.9		
	77.8	86.1	87.3	89.8	92.0	92.4	93.3	93.5	93.6	94.7	94.9	95.3	95.6	96.0	96.2	97.2		
	77.9	86.4	87.6	90.1	92.3	92.7	93.6	93.8	93.9	95.0	95.2	95.6	95.9	96.3	96.5	97.5		
	77.9	86.6	87.7	90.3	92.4	92.8	93.7	93.9	94.1	95.1	95.4	95.7	96.0	96.4	96.6	97.6		
	77.9	86.6	87.8	90.3	92.5	93.0	93.9	94.1	94.3	95.4	95.6	96.0	96.3	96.6	96.9	97.8		
	77.9	86.7	87.9	90.4	92.6	93.0	93.9	94.2	94.4	95.4	95.7	96.0	96.3	96.7	96.9	97.9		
	77.9	86.9	88.1	90.7	92.9	93.3	94.3	94.6	94.8	95.9	96.1	96.5	96.8	97.2	97.4	98.4		
	77.9	86.9	88.1	90.7	93.0	93.4	94.4	94.7	94.9	96.0	96.2	96.6	96.9	97.2	97.5	98.4		
	77.9	87.0	88.2	90.9	93.2	93.6	94.6	94.9	95.1	96.2	96.4	96.9	97.2	97.5	97.8	98.7		
	77.9	87.1	88.3	91.0	93.3	93.8	94.8	95.1	95.3	96.3	96.6	97.0	97.3	97.7	97.9	98.9		
	77.9	87.2	88.4	91.1	93.4	93.9	94.8	95.1	95.3	96.5	96.7	97.2	97.5	97.8	98.1	99.1		
	77.9	87.3	88.5	91.2	93.5	93.9	94.9	95.2	95.4	96.6	96.8	97.2	97.5	97.9	98.1	99.1		
	77.9	87.3	88.5	91.2	93.5	93.9	94.9	95.2	95.4	96.6	96.9	97.3	97.6	98.0	98.2	99.2		
	77.9	87.4	88.6	91.3	93.6	94.1	95.1	95.4	95.6	96.8	97.0	97.5	97.8	98.1	98.4	99.3		
	77.9	87.4	88.6	91.3	93.6	94.1	95.1	95.4	95.6	96.9	97.1	97.5	97.8	98.2	98.4	99.4		
	77.9	87.4	88.6	91.4	93.7	94.2	95.1	95.4	95.6	96.9	97.2	97.6	97.9	98.3	98.5	99.5		
	77.9	87.4	88.6	91.4	93.7	94.2	95.1	95.4	95.6	96.9	97.2	97.6	97.9	98.3	98.5	99.6		
	77.9	87.4	88.6	91.4	93.7	94.2	95.1	95.4	95.6	96.9	97.2	97.6	97.9	98.3	98.5	99.6		
	77.9	87.4	88.6	91.4	93.7	94.2	95.1	95.4	95.6	96.9	97.2	97.6	97.9	98.3	98.5	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 1374

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41600 DHAHRAN SAUDI ARABIA 46-62

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES																
	≥ 7	6	5	4	3	2½	2	1½	1	¾	½	¼	0				
≥ 22	57.6	62.5	64.4	65.9	68.0	68.6	70.3	71.0	71.0	71.7	72.1	72.4	72.6	72.6	72.8	73.0	
20	61.3	66.7	68.9	70.4	72.4	73.1	74.9	75.5	75.6	76.3	76.7	77.0	77.2	77.2	77.4	77.5	
18	61.4	66.8	68.9	70.5	72.5	73.1	75.0	75.6	75.7	76.3	76.8	77.1	77.3	77.3	77.4	77.5	
17	62.0	67.8	69.9	71.4	73.4	74.1	75.9	76.6	76.6	77.3	77.7	78.0	78.2	78.2	78.5	78.6	
16	64.5	70.7	73.1	74.9	77.0	77.7	79.6	80.3	80.3	81.0	81.4	81.7	82.0	82.0	82.2	82.3	
14	67.0	74.5	76.8	78.6	81.0	81.7	83.7	84.4	84.5	85.5	86.0	86.4	86.8	86.8	87.0	87.2	
12	72.0	78.8	81.4	83.4	85.7	86.3	88.4	89.1	89.2	90.2	90.6	91.0	91.4	91.4	91.7	92.0	
11	72.1	79.2	81.7	83.8	86.0	86.7	88.8	89.5	89.6	90.6	91.0	91.5	91.8	91.8	92.2	92.4	
10	73.2	80.5	83.2	85.3	87.6	88.2	90.3	91.0	91.1	92.2	92.6	93.1	93.5	93.5	93.9	94.1	
9	73.7	81.1	83.8	86.0	88.2	88.9	91.0	91.7	91.8	92.9	93.3	93.7	94.2	94.2	94.5	94.7	
8	74.2	81.7	84.4	86.5	88.8	89.4	91.6	92.3	92.4	93.4	93.9	94.3	94.8	94.8	95.1	95.3	
7	74.6	82.2	84.9	87.1	89.4	90.0	92.1	92.9	92.9	94.0	94.5	94.9	95.3	95.3	95.6	95.8	
6	74.7	82.3	85.1	87.3	89.5	90.2	92.3	93.0	93.1	94.2	94.6	95.1	95.5	95.5	95.8	96.1	
5	75.0	82.5	85.4	87.6	89.8	90.5	92.6	93.3	93.4	94.5	94.9	95.3	95.8	95.8	96.1	96.4	
4	75.0	82.6	85.4	87.6	89.9	90.5	92.7	93.4	93.5	94.6	95.1	95.5	95.9	95.9	96.2	96.5	
3	75.1	82.8	85.7	87.8	90.2	90.8	93.0	93.7	93.8	94.9	95.3	95.8	96.2	96.2	96.5	96.8	
2½	75.2	83.0	85.9	88.1	90.4	91.0	93.2	94.0	94.0	95.1	95.6	96.0	96.4	96.4	96.7	97.0	
2	75.3	83.0	86.0	88.1	90.5	91.1	93.3	94.0	94.1	95.2	95.6	96.1	96.5	96.5	96.8	97.1	
1½	75.3	83.0	86.0	88.1	90.5	91.1	93.3	94.0	94.1	95.2	95.6	96.1	96.5	96.5	96.8	97.1	
1	75.4	83.3	86.3	88.6	91.0	91.6	93.9	94.6	94.7	95.8	96.2	96.7	97.1	97.1	97.4	97.7	
¾	75.5	83.5	86.5	88.7	91.1	91.8	94.0	94.8	94.8	95.9	96.4	96.8	97.2	97.2	97.5	97.8	
½	75.6	83.7	86.7	89.0	91.4	92.1	94.3	95.1	95.1	96.2	96.7	97.1	97.5	97.5	97.8	98.1	
¼	75.6	83.7	86.8	89.1	91.5	92.1	94.4	95.1	95.2	96.3	96.7	97.2	97.6	97.6	97.9	98.2	
0	75.6	83.9	87.0	89.3	91.7	92.4	94.7	95.4	95.5	96.6	97.0	97.5	97.9	97.9	98.2	98.5	
	75.6	83.9	87.1	89.4	91.8	92.6	94.9	95.6	95.7	96.9	97.3	97.7	98.2	98.2	98.5	98.8	
	75.6	83.9	87.1	89.5	91.9	92.6	95.0	95.7	95.8	96.9	97.4	97.8	98.3	98.3	98.6	98.9	
	75.6	83.9	87.1	89.5	92.1	92.8	95.1	95.9	95.9	97.1	97.5	98.0	98.5	98.5	98.8	99.1	
	75.6	83.9	87.1	89.5	92.1	92.8	95.1	95.9	95.9	97.1	97.5	98.1	98.7	98.7	99.0	99.3	
	75.6	83.9	87.1	89.5	92.1	92.9	95.2	95.9	96.0	97.2	97.6	98.2	98.8	98.8	99.1	99.4	
	75.6	83.9	87.1	89.5	92.1	92.9	95.2	95.9	96.0	97.2	97.6	98.2	98.8	98.8	99.1	99.4	
	75.6	83.9	87.1	89.5	92.1	92.9	95.2	95.9	96.0	97.2	97.6	98.2	98.8	98.8	99.1	99.4	
	75.6	83.9	87.1	89.5	92.1	92.9	95.2	95.9	96.0	97.2	97.6	98.2	98.8	98.8	99.1	99.4	

TOTAL NUMBER OF OBSERVATIONS 1374

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41165 DHAHRAN SAUDI ARABIA 46-67 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

12 Z-19 Z

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	3	2½	2	1¾	1½	1¼	1	¾	½	¼	0					
22000+	55.1	61.9	63.3	65.4	67.7	68.4	69.8	70.4	70.6	71.4	72.4	72.4	73.4	73.6	73.9	73.9
20000	59.8	67.0	68.5	70.5	72.8	73.5	75.0	75.6	75.8	76.0	77.6	77.7	78.6	78.7	79.1	79.1
18000	60.1	67.2	68.7	70.8	73.1	73.8	75.3	75.9	76.1	76.9	77.9	77.9	78.9	79.0	79.3	79.3
17000	61.0	68.2	69.7	71.7	74.0	74.7	76.3	76.9	77.1	77.9	78.9	79.0	79.9	80.1	80.1	80.1
16000	62.7	70.5	72.3	74.5	77.0	77.7	79.4	80.0	80.2	81.2	82.2	82.2	83.2	83.3	83.3	83.3
15000	66.5	74.7	76.6	78.9	81.4	82.2	83.9	84.4	84.7	85.8	86.9	86.9	87.9	88.1	88.2	88.2
14000	70.0	79.0	81.0	83.4	85.9	86.6	88.3	88.9	89.1	90.3	91.4	91.4	92.4	92.6	92.6	92.7
13000	70.4	79.6	81.6	83.9	86.4	87.2	88.9	89.4	89.7	90.9	91.9	92.0	93.1	93.2	93.3	93.4
12000	70.9	80.2	82.2	84.5	87.0	87.8	89.5	90.1	90.3	91.5	92.6	92.6	93.7	93.9	93.9	94.0
11000	71.0	80.6	82.7	85.0	87.5	88.3	90.1	90.6	90.9	92.1	93.1	93.2	94.3	94.4	94.5	94.6
10000	71.4	81.2	83.3	85.7	88.2	88.9	90.7	91.3	91.5	92.7	93.8	93.9	94.9	95.1	95.1	95.2
9000	71.8	81.6	83.8	86.2	88.7	89.5	91.3	91.9	92.1	93.3	94.4	94.4	95.5	95.6	95.7	95.8
8000	71.8	81.6	83.8	86.2	88.7	89.5	91.3	91.9	92.1	93.3	94.4	94.4	95.5	95.6	95.7	95.8
7000	72.2	82.2	84.4	86.8	89.3	90.1	91.9	92.4	92.6	93.9	94.9	95.0	96.1	96.2	96.3	96.4
6000	72.2	82.2	84.4	86.8	89.3	90.1	91.9	92.4	92.6	93.9	94.9	95.0	96.1	96.2	96.3	96.4
5000	72.5	82.7	84.9	87.3	89.8	90.6	92.4	92.9	93.1	94.4	95.4	95.5	96.6	96.7	96.8	96.9
4500	72.7	83.0	85.3	87.7	90.3	91.1	92.9	93.4	93.6	94.9	95.9	96.0	97.1	97.2	97.3	97.4
4400	72.8	83.1	85.4	87.8	90.4	91.1	92.9	93.5	93.7	94.9	96.0	96.1	97.2	97.4	97.4	97.6
4300	72.8	83.1	85.4	87.8	90.4	91.1	92.9	93.5	93.7	94.9	96.0	96.1	97.2	97.4	97.4	97.6
4200	72.9	83.3	85.6	88.0	90.6	91.4	93.1	93.7	93.9	95.1	96.2	96.3	97.5	97.6	97.7	97.9
4100	72.9	83.4	85.7	88.1	90.6	91.4	93.2	93.8	94.0	95.2	96.3	96.4	97.6	97.7	97.8	97.9
4000	73.1	83.5	85.8	88.4	90.9	91.7	93.5	94.1	94.3	95.5	96.6	96.6	97.9	98.0	98.1	98.2
3900	73.1	83.7	85.9	88.5	91.1	91.9	93.6	94.2	94.4	95.6	96.7	96.8	98.0	98.1	98.2	98.4
3800	73.3	83.9	86.3	88.9	91.6	92.4	94.1	94.7	94.9	96.1	97.2	97.3	98.5	98.6	98.7	98.9
3700	73.3	83.9	86.3	88.9	91.6	92.4	94.3	94.9	95.1	96.4	97.4	97.6	98.8	98.9	99.0	99.1
3600	73.3	83.9	86.4	89.0	91.7	92.5	94.4	94.9	95.1	96.4	97.5	97.6	98.9	99.0	99.1	99.2
3500	73.3	83.9	86.4	89.0	91.7	92.5	94.4	94.9	95.1	96.4	97.5	97.8	99.1	99.2	99.3	99.4
3400	73.3	83.9	86.4	89.0	91.7	92.5	94.4	95.0	95.2	96.5	97.6	97.9	99.2	99.4	99.4	99.6
3300	73.3	83.9	86.4	89.0	91.7	92.5	94.4	95.0	95.2	96.5	97.6	97.9	99.2	99.4	99.4	99.6
3200	73.3	83.9	86.4	89.0	91.7	92.5	94.4	95.0	95.2	96.5	97.6	97.9	99.2	99.4	99.4	99.7
3100	73.3	83.9	86.4	89.0	91.7	92.5	94.4	95.0	95.2	96.5	97.6	97.9	99.2	99.4	99.4	99.7
3000	73.3	83.9	86.4	89.0	91.7	92.5	94.4	95.0	95.2	96.5	97.6	97.9	99.2	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1401

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 STATION | DHAHRAN SAUDI ARABIA STATION NAME | 46-62 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼
UNL	57.0	63.0	64.4	66.3	68.2	68.3	69.7	70.2	70.4	71.0	71.2	71.5	71.8	71.8	71.8	71.9
25000	61.8	68.4	70.1	72.2	74.2	74.5	75.8	76.4	76.5	77.1	77.3	77.6	77.9	77.9	77.9	78.2
20000	61.9	68.6	70.2	72.3	74.5	74.7	76.1	76.6	76.7	77.4	77.5	77.8	78.1	78.2	78.2	78.5
15000	63.4	70.2	71.8	73.9	76.1	76.3	77.7	78.3	78.4	79.0	79.2	79.5	79.8	79.8	79.8	79.9
10000	64.8	71.8	73.8	76.2	78.4	78.7	80.2	80.8	80.9	81.6	81.7	82.1	82.5	82.7	82.7	82.9
9000	68.8	76.3	78.6	81.2	83.4	83.7	85.4	86.1	86.2	87.0	87.1	87.5	88.1	88.2	88.3	88.4
8000	72.6	80.3	82.6	85.3	87.5	87.8	89.5	90.2	90.3	91.1	91.3	91.6	92.2	92.4	92.4	92.6
7000	72.8	80.8	83.1	85.8	88.0	88.3	90.0	90.7	90.8	91.6	91.8	92.1	92.7	92.9	92.9	93.1
6000	73.7	81.7	84.1	86.8	89.0	89.3	91.0	91.7	91.8	92.9	93.0	93.4	94.0	94.1	94.2	94.4
5000	73.7	82.0	84.4	87.0	89.3	89.6	91.3	92.0	92.1	93.2	93.3	93.7	94.3	94.4	94.5	94.7
4500	74.0	82.3	84.7	87.4	89.7	90.0	91.7	92.4	92.5	93.5	93.7	94.0	94.6	94.8	94.9	95.1
4000	75.0	83.3	86.0	88.7	91.0	91.3	93.0	93.7	93.8	94.8	95.0	95.3	95.9	96.1	96.1	96.4
3500	75.0	83.3	86.0	88.7	91.0	91.3	93.0	93.7	93.8	94.8	95.0	95.3	95.9	96.1	96.1	96.4
3000	75.4	83.8	86.5	89.3	91.6	91.8	93.6	94.3	94.5	95.6	95.7	96.1	96.7	96.8	96.9	97.1
2500	75.4	83.8	86.5	89.3	91.6	91.8	93.6	94.3	94.5	95.6	95.7	96.1	96.7	96.8	96.9	97.1
2000	75.8	84.5	87.3	90.0	92.3	92.6	94.3	95.1	95.2	96.3	96.4	96.8	97.4	97.5	97.6	97.8
1800	76.1	84.9	87.6	90.4	92.6	92.9	94.8	95.5	95.6	96.7	96.9	97.2	97.8	98.0	98.0	98.3
1500	76.1	85.1	87.9	90.7	92.9	93.2	95.1	95.8	95.9	97.0	97.2	97.5	98.1	98.3	98.3	98.5
1200	76.1	85.1	87.9	90.7	92.9	93.2	95.1	95.8	95.9	97.0	97.2	97.5	98.1	98.3	98.3	98.5
1000	76.1	85.2	88.1	91.0	93.3	93.6	95.4	96.1	96.3	97.4	97.5	97.9	98.5	98.6	98.7	98.9
900	76.1	85.3	88.2	91.0	93.4	93.7	95.5	96.2	96.4	97.5	97.6	98.0	98.5	98.7	98.8	99.0
800	76.1	85.3	88.2	91.1	93.4	93.7	95.6	96.3	96.4	97.5	97.7	98.0	98.6	98.8	98.8	99.1
700	76.1	85.3	88.2	91.1	93.4	93.7	95.6	96.3	96.4	97.5	97.7	98.0	98.6	98.8	98.8	99.1
600	76.1	85.4	88.4	91.3	93.6	93.9	95.7	96.5	96.7	97.7	97.9	98.3	98.8	99.0	99.1	99.3
500	76.1	85.4	88.4	91.3	93.6	93.9	95.9	96.7	96.8	97.9	98.0	98.4	99.0	99.1	99.2	99.4
400	76.1	85.4	88.4	91.3	93.6	93.9	95.9	96.7	96.8	98.0	98.1	98.5	99.1	99.2	99.3	99.5
300	76.1	85.4	88.4	91.3	93.6	93.9	95.9	96.7	96.8	98.0	98.1	98.5	99.1	99.2	99.3	99.5
200	76.1	85.4	88.4	91.3	93.6	93.9	95.9	96.7	96.9	98.0	98.2	98.5	99.1	99.3	99.3	99.6
100	76.1	85.4	88.4	91.3	93.6	93.9	95.9	96.7	96.9	98.0	98.2	98.5	99.1	99.3	99.3	99.6
50	76.1	85.4	88.4	91.3	93.7	94.0	96.0	96.8	96.9	98.1	98.3	98.6	99.2	99.3	99.4	99.7
0	76.1	85.4	88.4	91.3	93.7	94.0	96.0	96.8	96.9	98.1	98.4	98.8	99.3	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1374

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416 DHAHRAN SAUDI ARABIA 46-62 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-2000
HOUR

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0.6	≥0.4	≥0
NO CEILING	64.9	71.9	73.6	74.3	75.2	75.5	76.0	76.1	76.2	76.3	76.4	76.4	76.5	76.7	75.7	76.8
≥ 22000	68.5	76.1	78.0	78.8	79.9	80.2	80.7	80.8	80.9	81.0	81.2	81.2	81.2	81.4	81.5	81.6
≥ 18000	68.6	76.3	78.2	79.0	80.2	80.6	81.1	81.2	81.2	81.4	81.5	81.5	81.6	81.8	81.9	81.9
≥ 14000	69.7	77.7	79.7	80.4	81.6	82.0	82.5	82.6	82.7	82.9	83.0	83.0	83.1	83.3	83.4	83.4
≥ 12000	70.4	78.7	80.8	81.7	82.9	83.3	83.8	83.9	83.9	84.2	84.3	84.3	84.4	84.6	84.7	84.7
≥ 10000	74.5	83.3	85.4	86.4	87.5	87.9	88.4	88.5	88.6	88.9	89.2	89.2	89.2	89.4	89.5	89.6
≥ 9000	78.7	87.9	90.1	91.1	92.3	92.7	93.2	93.3	93.4	93.7	93.9	93.9	94.0	94.2	94.3	94.4
≥ 8000	78.9	88.5	90.7	91.6	92.9	93.3	93.8	93.9	93.9	94.3	94.5	94.5	94.6	94.8	94.9	94.9
≥ 7000	79.6	89.3	91.6	92.5	93.7	94.1	94.6	94.8	94.9	95.2	95.4	95.4	95.5	95.7	95.8	95.9
≥ 6000	79.7	89.6	91.9	92.9	94.1	94.5	95.0	95.1	95.2	95.6	95.6	95.8	95.9	96.1	96.1	96.2
≥ 5000	80.2	90.1	92.4	93.4	94.6	95.1	95.6	95.7	95.8	96.1	96.4	96.4	96.4	96.6	96.7	96.8
≥ 4500	80.7	90.6	92.9	93.9	95.2	95.6	96.1	96.3	96.4	96.7	96.9	96.9	97.0	97.2	97.3	97.4
≥ 4000	80.7	90.6	92.9	93.9	95.2	95.7	96.2	96.4	96.4	96.8	97.0	97.0	97.1	97.3	97.4	97.4
≥ 3500	80.7	90.6	92.9	93.9	95.2	95.7	96.2	96.4	96.5	96.9	97.1	97.1	97.1	97.4	97.4	97.5
≥ 3000	80.7	90.6	92.9	93.9	95.2	95.7	96.2	96.4	96.5	96.9	97.1	97.1	97.1	97.4	97.4	97.5
≥ 2500	80.8	90.8	93.1	94.1	95.4	95.9	96.4	96.6	96.6	97.0	97.2	97.2	97.3	97.5	97.6	97.6
≥ 2000	80.9	90.9	93.2	94.3	95.6	96.1	96.7	96.9	97.0	97.4	97.6	97.6	97.6	97.9	97.9	98.0
≥ 1800	80.9	91.0	93.4	94.4	95.8	96.3	96.9	97.1	97.1	97.5	97.7	97.7	97.8	98.1	98.1	98.1
≥ 1600	80.9	91.0	93.4	94.4	95.8	96.3	96.9	97.1	97.1	97.5	97.7	97.7	97.8	98.0	98.1	98.1
≥ 1400	80.9	91.4	93.8	94.9	96.2	96.7	97.3	97.5	97.6	97.9	98.1	98.1	98.2	98.4	98.5	98.6
≥ 1200	80.9	91.7	94.1	95.2	96.6	97.1	97.6	97.9	97.9	98.3	98.5	98.5	98.6	98.8	98.9	98.9
≥ 1000	80.9	91.7	94.2	95.3	96.6	97.1	97.7	97.9	98.0	98.4	98.6	98.6	98.6	98.9	98.9	99.0
≥ 900	80.9	91.8	94.3	95.4	96.7	97.2	97.8	98.0	98.1	98.4	98.6	98.6	98.7	98.9	99.0	99.1
≥ 800	80.9	91.8	94.3	95.4	96.7	97.2	97.8	98.0	98.1	98.4	98.6	98.6	98.7	98.9	99.0	99.1
≥ 700	80.9	91.8	94.3	95.4	96.7	97.2	97.9	98.1	98.1	98.5	98.7	98.7	98.8	99.0	99.1	99.1
≥ 600	80.9	91.9	94.4	95.4	96.8	97.3	97.9	98.1	98.2	98.6	98.8	98.8	98.9	99.1	99.4	99.4
≥ 500	81.0	92.1	94.6	95.6	97.0	97.5	98.1	98.4	98.4	98.8	99.0	99.0	99.1	99.4	99.6	99.6
≥ 400	81.0	92.1	94.6	95.7	97.1	97.6	98.2	98.4	98.5	98.9	99.1	99.1	99.2	99.4	99.6	99.7
≥ 300	81.0	92.1	94.6	95.7	97.1	97.6	98.2	98.4	98.5	98.9	99.1	99.1	99.2	99.4	99.6	99.7
≥ 200	81.0	92.1	94.6	95.7	97.1	97.6	98.2	98.4	98.5	98.9	99.1	99.1	99.2	99.4	99.6	99.7
≥ 100	81.0	92.1	94.6	95.7	97.1	97.6	98.2	98.4	98.5	98.9	99.1	99.1	99.2	99.4	99.6	99.8
0	81.0	92.1	94.6	95.7	97.1	97.6	98.2	98.4	98.5	98.9	99.1	99.1	99.3	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1491

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41460 STATION | DHAHRAN SAUDI ARABIA STATION NAME | 46-62 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	<0
NO CEILING	71.6	79.2	80.2	81.0	81.7	81.9	81.9	82.0	82.0	82.3	82.6	82.6	82.9	82.9	87.9	82.9
≥ 25000	72.7	81.2	82.2	82.9	83.7	83.8	84.0	84.1	84.1	84.4	84.7	84.7	85.0	85.0	85.0	85.0
≥ 18000	72.9	81.4	82.4	83.2	83.9	84.1	84.2	84.4	84.4	84.7	85.0	85.0	85.2	85.2	85.2	85.2
≥ 6000	73.5	82.3	83.2	84.0	84.7	84.9	85.0	85.2	85.2	85.5	85.8	85.8	86.0	86.0	86.0	86.0
≥ 4000	74.7	83.5	84.7	85.5	86.3	86.5	86.6	86.8	86.8	87.1	87.4	87.4	87.6	87.6	87.6	87.6
≥ 2200	78.0	86.6	88.0	88.7	89.5	89.7	90.0	90.2	90.2	90.5	90.8	90.8	91.0	91.0	91.0	91.0
≥ 10000	81.0	90.2	91.6	92.4	93.2	93.4	93.7	93.9	93.9	94.2	94.5	94.5	94.7	94.7	94.7	94.7
≥ 9000	81.6	91.1	92.6	93.4	94.2	94.4	94.7	95.0	95.0	95.3	95.6	95.6	95.8	95.8	95.8	95.8
≥ 8000	82.0	91.9	93.3	94.1	95.0	95.1	95.5	95.7	95.7	96.0	96.3	96.3	96.5	96.5	96.5	96.5
≥ 7000	82.2	92.3	93.7	94.5	95.3	95.5	95.9	96.1	96.1	96.4	96.7	96.7	96.9	96.9	96.9	96.9
≥ 6000	82.3	92.3	93.8	94.6	95.4	95.6	95.9	96.2	96.2	96.5	96.8	96.8	97.0	97.0	97.0	97.0
≥ 5000	82.5	92.6	94.0	94.9	95.7	95.9	96.2	96.5	96.5	96.8	97.1	97.1	97.3	97.3	97.3	97.3
≥ 4500	82.5	92.6	94.0	94.9	95.7	95.9	96.2	96.5	96.5	96.8	97.1	97.1	97.3	97.3	97.3	97.3
≥ 4000	82.5	92.6	94.0	94.9	95.7	95.9	96.2	96.5	96.5	96.8	97.1	97.1	97.3	97.3	97.3	97.3
≥ 3500	82.5	92.6	94.0	94.9	95.7	95.9	96.2	96.5	96.5	96.8	97.1	97.1	97.3	97.3	97.3	97.3
≥ 3000	82.5	92.7	94.1	95.0	95.9	96.0	96.4	96.6	96.6	96.9	97.3	97.3	97.5	97.5	97.5	97.5
≥ 2500	82.5	92.9	94.3	95.2	96.0	96.2	96.5	96.8	96.8	97.1	97.4	97.4	97.7	97.7	97.7	97.7
≥ 2000	82.5	93.0	94.4	95.3	96.2	96.3	96.8	97.0	97.0	97.3	97.7	97.7	97.9	97.9	97.9	97.9
≥ 1800	82.5	93.0	94.4	95.3	96.2	96.3	96.8	97.0	97.0	97.3	97.7	97.7	97.9	97.9	97.9	97.9
≥ 1500	82.6	93.2	94.7	95.6	96.4	96.5	97.0	97.2	97.2	97.5	97.9	97.9	98.1	98.1	98.1	98.1
≥ 1200	82.6	93.5	95.0	95.9	96.7	96.8	97.3	97.5	97.5	97.8	98.2	98.2	98.4	98.4	98.4	98.4
≥ 1000	82.6	93.7	95.3	96.2	97.1	97.3	97.8	98.0	98.0	98.3	98.7	98.7	99.0	99.0	99.0	99.0
≥ 900	82.6	93.7	95.3	96.2	97.1	97.3	97.8	98.0	98.0	98.3	98.7	98.7	99.0	99.0	99.0	99.0
≥ 800	82.6	93.8	95.3	96.4	97.4	97.5	98.0	98.3	98.3	98.6	98.9	98.9	99.2	99.2	99.2	99.2
≥ 700	82.6	93.8	95.3	96.4	97.4	97.5	98.0	98.3	98.3	98.6	98.9	98.9	99.2	99.2	99.2	99.2
≥ 600	82.6	93.8	95.4	96.5	97.4	97.6	98.1	98.3	98.3	98.6	99.0	99.0	99.3	99.3	99.4	99.4
≥ 500	82.6	93.9	95.5	96.5	97.5	97.7	98.2	98.4	98.4	98.7	99.1	99.1	99.4	99.4	99.5	99.5
≥ 400	82.6	93.9	95.5	96.5	97.5	97.7	98.2	98.4	98.4	98.7	99.1	99.1	99.4	99.4	99.5	99.5
≥ 300	82.6	93.9	95.5	96.5	97.5	97.7	98.2	98.4	98.4	98.7	99.1	99.1	99.4	99.4	99.5	99.5
≥ 200	82.6	93.9	95.5	96.5	97.5	97.7	98.2	98.4	98.4	98.7	99.1	99.1	99.4	99.4	99.6	99.7
≥ 100	82.6	93.9	95.5	96.5	97.5	97.7	98.2	98.4	98.4	98.7	99.1	99.1	99.4	99.4	99.6	99.7
0	82.6	93.9	95.5	96.5	97.5	97.7	98.2	98.4	98.4	98.7	99.1	99.1	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1330

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 DHAHRAN SAUDI ARABIA 46-62 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	63.6	70.0	71.3	72.5	74.0	74.3	75.1	75.5	75.5	76.0	76.3	76.5	76.8	76.9	77.1	77.2
≥ 20000	66.4	73.3	74.8	76.0	77.5	77.9	78.7	79.1	79.2	79.6	80.0	80.1	80.4	80.5	80.6	80.8
≥ 18000	66.6	73.5	75.0	76.3	77.8	78.2	79.1	79.4	79.5	80.0	80.3	80.4	80.8	80.9	81.0	81.2
≥ 16000	67.4	74.4	75.9	77.2	78.8	79.2	80.0	80.4	80.5	81.0	81.3	81.4	81.8	81.9	81.9	82.2
≥ 14000	69.0	76.4	78.0	79.4	81.0	81.4	82.4	82.7	82.8	83.3	83.6	83.8	84.1	84.3	84.3	84.5
≥ 12000	72.8	80.6	82.3	83.8	85.4	85.8	86.8	87.2	87.3	87.9	88.2	88.4	88.8	88.9	89.1	89.3
≥ 10000	76.3	84.5	86.4	87.9	89.6	90.0	91.0	91.4	91.5	92.1	92.4	92.6	93.0	93.1	93.3	93.5
≥ 9000	76.7	85.1	87.0	88.5	90.2	90.6	91.7	92.0	92.1	92.8	93.1	93.3	93.7	93.8	93.9	94.2
≥ 8000	77.3	85.9	87.8	89.4	91.1	91.5	92.5	92.9	93.0	93.7	94.0	94.2	94.6	94.7	94.8	95.1
≥ 7000	77.5	86.3	88.3	89.9	91.6	92.0	93.0	93.4	93.5	94.2	94.5	94.7	95.1	95.2	95.3	95.6
≥ 6000	77.9	86.8	88.8	90.4	92.0	92.4	93.5	93.9	93.9	94.6	95.0	95.1	95.6	95.7	95.8	96.1
≥ 5000	78.3	87.3	89.3	91.0	92.7	93.1	94.1	94.5	94.6	95.3	95.6	95.8	96.2	96.3	96.4	96.7
≥ 4500	78.3	87.3	89.4	91.0	92.7	93.1	94.2	94.6	94.6	95.3	95.7	95.8	96.3	96.4	96.5	96.8
≥ 4000	78.5	87.6	89.7	91.3	93.0	93.4	94.5	94.9	95.0	95.7	96.0	96.2	96.6	96.7	96.8	97.1
≥ 3500	78.5	87.6	89.7	91.3	93.0	93.5	94.5	94.9	95.0	95.7	96.0	96.2	96.6	96.8	96.9	97.2
≥ 3000	78.7	87.9	90.0	91.7	93.4	93.8	94.8	95.2	95.3	96.0	96.4	96.5	97.0	97.1	97.2	97.5
≥ 2500	78.8	88.2	90.3	91.9	93.6	94.1	95.1	95.5	95.6	96.3	96.7	96.8	97.3	97.4	97.5	97.8
≥ 2000	78.9	88.3	90.4	92.1	93.8	94.2	95.3	95.7	95.8	96.5	96.8	97.0	97.4	97.6	97.7	98.0
≥ 1800	78.9	88.3	90.4	92.1	93.8	94.3	95.4	95.8	95.8	96.5	96.9	97.1	97.5	97.6	97.7	98.0
≥ 1600	78.9	88.6	90.7	92.4	94.1	94.6	95.7	96.1	96.2	96.9	97.2	97.4	97.8	98.0	98.1	98.4
≥ 1400	79.0	88.7	90.8	92.5	94.3	94.7	95.8	96.2	96.3	97.0	97.4	97.5	98.0	98.1	98.2	98.5
≥ 1200	79.0	88.8	90.9	92.7	94.5	94.9	96.0	96.4	96.5	97.2	97.6	97.8	98.2	98.4	98.5	98.8
≥ 1000	79.0	88.8	91.0	92.7	94.5	95.0	96.1	96.5	96.6	97.3	97.6	97.8	98.3	98.4	98.5	98.8
≥ 900	79.0	88.9	91.2	92.9	94.7	95.2	96.3	96.7	96.8	97.5	97.9	98.0	98.5	98.6	98.7	99.0
≥ 800	79.0	88.9	91.2	93.0	94.8	95.2	96.4	96.8	96.9	97.6	98.0	98.2	98.6	98.8	98.9	99.1
≥ 700	79.0	89.0	91.2	93.0	94.8	95.3	96.4	96.8	96.9	97.7	98.0	98.2	98.7	98.8	99.0	99.3
≥ 600	79.0	89.0	91.3	93.1	94.9	95.3	96.5	96.9	97.0	97.8	98.1	98.3	98.8	98.9	99.1	99.4
≥ 500	79.0	89.0	91.3	93.1	94.9	95.3	96.5	97.0	97.0	97.8	98.1	98.4	98.9	99.0	99.2	99.4
≥ 400	79.0	89.0	91.3	93.1	94.9	95.4	96.6	97.0	97.1	97.8	98.2	98.4	98.9	99.1	99.2	99.5
≥ 300	79.0	89.0	91.3	93.1	94.9	95.4	96.6	97.0	97.1	97.9	98.2	98.4	98.9	99.1	99.3	99.7
≥ 200	79.0	89.0	91.3	93.1	94.9	95.4	96.6	97.0	97.1	97.9	98.2	98.4	98.9	99.1	99.3	99.7
0	79.0	89.0	91.3	93.1	94.9	95.4	96.6	97.0	97.1	97.9	98.2	98.5	99.0	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 10609

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416C (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2400

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼	
NO CEILING	65.0	70.4	72.4	73.5	74.3	74.6	74.9	75.1	75.2	75.5	75.5	75.5	75.6	75.6	75.6
≥ 20000	68.0	73.6	75.7	76.8	77.7	78.0	78.3	78.5	78.6	78.9	78.9	78.9	79.0	79.0	79.0
≥ 8000	68.7	74.3	76.3	77.4	78.4	78.6	78.9	79.1	79.2	79.5	79.5	79.5	79.6	79.6	79.6
≥ 6000	69.2	74.9	77.0	78.1	79.0	79.3	79.6	79.8	79.9	80.1	80.1	80.3	80.3	80.3	80.3
≥ 4000	73.0	78.9	81.0	82.2	83.1	83.4	83.7	83.9	84.0	84.3	84.3	84.3	84.4	84.4	84.5
≥ 2000	77.6	84.4	86.7	88.0	89.0	89.3	89.7	90.0	90.0	90.3	90.3	90.3	90.5	90.5	90.5
≥ 1000	80.1	87.6	90.0	91.4	92.5	92.8	93.5	93.7	93.8	94.1	94.1	94.1	94.3	94.3	94.3
≥ 900	80.9	88.4	90.8	92.2	93.3	93.6	94.3	94.5	94.6	94.9	94.9	94.9	95.1	95.1	95.1
≥ 800	81.5	89.2	91.6	93.2	94.4	94.7	95.3	95.6	95.6	96.0	96.0	96.0	96.1	96.1	96.2
≥ 700	81.5	89.2	91.6	93.2	94.4	94.7	95.3	95.6	95.6	96.0	96.0	96.0	96.1	96.1	96.2
≥ 600	81.6	89.6	92.0	93.6	94.8	95.1	95.8	96.0	96.1	96.4	96.4	96.4	96.6	96.6	96.6
≥ 500	81.8	90.0	92.5	94.1	95.3	95.6	96.3	96.5	96.6	96.9	96.9	96.9	97.1	97.1	97.1
≥ 450	81.8	90.1	92.5	94.1	95.3	95.6	96.3	96.6	96.6	97.0	97.0	97.0	97.1	97.1	97.2
≥ 400	82.1	90.6	93.0	94.8	96.0	96.3	97.2	97.4	97.5	97.8	97.8	97.8	98.0	98.0	98.1
≥ 350	82.1	90.6	93.0	94.8	96.0	96.3	97.2	97.4	97.5	97.8	97.8	97.8	98.0	98.0	98.1
≥ 300	82.3	90.8	93.3	95.0	96.2	96.6	97.4	97.6	97.7	98.1	98.1	98.1	98.2	98.2	98.3
≥ 250	82.3	90.8	93.3	95.0	96.2	96.6	97.4	97.7	97.8	98.1	98.1	98.1	98.3	98.3	98.4
≥ 200	82.3	90.8	93.3	95.0	96.2	96.6	97.4	97.7	97.8	98.1	98.1	98.1	98.3	98.3	98.4
≥ 150	82.3	90.8	93.3	95.0	96.2	96.6	97.4	97.7	97.8	98.1	98.1	98.1	98.3	98.3	98.4
≥ 100	82.3	90.8	93.3	95.0	96.2	96.6	97.4	97.7	97.8	98.1	98.1	98.1	98.3	98.3	98.4
≥ 50	82.3	90.9	93.3	95.1	96.3	96.7	97.6	97.8	97.9	98.3	98.3	98.3	98.4	98.4	98.5
≥ 0	82.5	91.2	93.6	95.3	96.6	97.0	97.8	98.1	98.2	98.6	98.6	98.6	98.7	98.7	98.8
99	82.5	91.2	93.6	95.3	96.6	97.0	97.8	98.1	98.2	98.6	98.6	98.6	98.7	98.7	98.8
80	82.5	91.4	93.8	95.6	96.9	97.3	98.1	98.4	98.5	98.9	98.9	98.9	99.0	99.0	99.1
70	82.5	91.4	93.8	95.6	96.9	97.3	98.1	98.4	98.5	98.9	98.9	98.9	99.1	99.1	99.2
60	82.6	91.5	93.9	95.7	97.0	97.3	98.2	98.5	98.6	98.9	99.0	99.0	99.2	99.2	99.3
50	82.6	91.5	93.9	95.7	97.0	97.3	98.2	98.5	98.6	98.9	99.0	99.0	99.2	99.2	99.3
40	82.6	91.5	93.9	95.7	97.0	97.3	98.2	98.5	98.6	98.9	99.0	99.0	99.2	99.2	99.3
30	82.6	91.5	94.0	95.8	97.1	97.5	98.5	98.8	98.9	99.2	99.3	99.3	99.5	99.5	99.6
20	82.6	91.5	94.0	95.8	97.1	97.5	98.5	98.8	98.9	99.2	99.3	99.3	99.5	99.5	99.6
10	82.6	91.5	94.0	95.8	97.1	97.5	98.5	98.8	98.9	99.2	99.3	99.3	99.5	99.5	99.6
0	82.6	91.5	94.0	95.8	97.1	97.5	98.5	98.8	98.9	99.2	99.3	99.3	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 DHAHRAN SAUDI ARABIA 48-62 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0900

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	½	¼	0
≥UNL	60.5	67.4	69.0	70.2	70.9	71.7	72.0	72.2	72.2	72.5	72.5	72.5	72.6	72.6	72.6	72.6
≥20000	63.4	71.0	72.5	73.8	74.6	75.3	75.7	75.8	75.8	76.1	76.1	76.1	76.3	76.3	76.3	76.3
≥15000	63.5	71.0	72.6	73.8	74.6	75.4	75.8	75.9	75.9	76.2	76.2	76.2	76.3	76.3	76.3	76.3
≥10000	64.7	72.3	73.8	75.1	75.8	76.6	77.0	77.1	77.1	77.4	77.4	77.4	77.6	77.6	77.6	77.6
≥ 8000	68.8	77.0	78.6	79.9	80.7	81.6	82.2	82.4	82.4	82.7	82.7	82.7	82.9	82.9	82.9	82.9
≥ 7000	73.3	82.2	83.9	85.3	86.5	87.4	88.0	88.2	88.2	88.7	88.7	88.7	88.9	88.9	89.0	89.0
≥ 6000	76.4	86.1	88.0	89.6	91.0	91.8	92.6	92.9	92.9	93.4	93.4	93.4	93.5	93.5	93.6	93.7
≥ 5000	77.1	87.0	89.0	90.5	91.9	92.8	93.5	93.8	93.8	94.3	94.3	94.3	94.5	94.5	94.6	94.6
≥ 4500	77.8	88.1	90.1	91.8	93.2	94.1	94.8	95.1	95.1	95.6	95.6	95.6	95.8	95.8	95.8	95.9
≥ 4000	78.1	88.3	90.3	92.0	93.4	94.3	95.1	95.3	95.3	95.8	95.8	95.8	96.0	96.0	96.1	96.1
≥ 3500	78.2	88.9	91.0	92.7	94.3	95.1	95.9	96.2	96.2	96.7	96.7	96.7	96.8	96.8	96.9	97.0
≥ 3000	78.4	89.3	91.5	93.2	94.8	95.7	96.5	96.8	96.8	97.3	97.3	97.3	97.4	97.4	97.5	97.6
≥ 2500	78.5	89.5	91.7	93.3	95.0	95.8	96.6	96.9	96.9	97.4	97.4	97.4	97.6	97.6	97.6	97.7
≥ 2000	78.9	90.0	92.3	93.9	95.6	96.4	97.2	97.5	97.5	98.0	98.0	98.0	98.1	98.1	98.2	98.3
≥ 1800	78.9	90.0	92.3	93.9	95.6	96.4	97.2	97.6	97.6	98.1	98.1	98.1	98.2	98.2	98.3	98.4
≥ 1600	78.9	90.0	92.3	94.0	95.7	96.6	97.3	97.7	97.7	98.2	98.2	98.2	98.4	98.4	98.4	98.5
≥ 1400	78.9	90.0	92.3	94.0	95.7	96.6	97.4	97.8	97.8	98.3	98.3	98.3	98.4	98.4	98.5	98.6
≥ 1200	78.9	90.0	92.3	94.0	95.7	96.6	97.4	97.8	97.8	98.3	98.3	98.3	98.4	98.4	98.5	98.6
1000	78.9	90.0	92.3	94.0	95.7	96.6	97.4	97.8	97.8	98.3	98.3	98.3	98.4	98.4	98.5	98.6
900	78.9	90.1	92.5	94.1	95.8	96.8	97.6	97.9	97.9	98.4	98.4	98.4	98.6	98.6	98.6	98.7
800	79.0	90.3	92.6	94.3	96.0	96.9	97.7	98.1	98.1	98.6	98.6	98.6	98.7	98.7	98.8	98.9
700	79.1	90.5	92.8	94.5	96.3	97.2	98.0	98.4	98.4	98.9	98.9	98.9	99.0	99.0	99.1	99.1
600	79.1	90.5	92.9	94.6	96.3	97.3	98.1	98.4	98.4	98.9	98.9	98.9	99.1	99.1	99.1	99.2
500	79.1	90.5	92.9	94.6	96.3	97.3	98.1	98.5	98.5	99.0	99.0	99.0	99.1	99.1	99.2	99.3
450	79.1	90.6	93.0	94.6	96.4	97.3	98.2	98.6	98.6	99.1	99.1	99.1	99.3	99.3	99.4	99.4
400	79.1	90.6	93.0	94.6	96.4	97.3	98.2	98.6	98.6	99.1	99.1	99.1	99.3	99.3	99.4	99.4
350	79.1	90.6	93.0	94.6	96.4	97.3	98.2	98.6	98.6	99.1	99.1	99.1	99.3	99.3	99.4	99.4
300	79.1	90.6	93.0	94.6	96.6	97.6	98.4	98.8	98.8	99.3	99.4	99.4	99.5	99.5	99.6	99.6
250	79.1	90.6	93.0	94.6	96.8	97.7	98.6	98.9	98.9	99.4	99.5	99.5	99.6	99.6	99.8	99.9
200	79.1	90.6	93.0	94.6	96.8	97.7	98.6	98.9	98.9	99.4	99.5	99.5	99.6	99.6	99.8	99.9
150	79.1	90.6	93.0	94.6	96.8	97.8	98.6	99.0	99.0	99.5	99.6	99.6	99.7	99.7	99.9	99.9
0	79.1	90.6	93.0	94.6	96.8	97.8	98.6	99.0	99.0	99.5	99.6	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1305

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 4160 DHAHRAN SAUDI ARABIA 46-62 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-1800

VISIBILITY STATUTE MILES

CEILING FEET	2.0	2.6	2.1	2.4	3.1	3.2	3.3	3	3.4	3.1	4.4	4.4	5	5.6	6.4	6.5
[illegible]	53.5	55.8	57.6	59.0	61.1	61.8	62.5	62.9	63.1	63.3	63.7	63.7	63.9	64.1	64.1	64.2
20000	55.8	61.3	63.1	64.7	66.8	67.5	68.3	68.7	68.9	69.2	69.6	69.6	69.8	69.9	69.9	70.0
18000	56.3	61.8	63.6	65.2	67.2	68.0	68.7	69.2	69.4	69.6	70.0	70.0	70.3	70.4	70.4	70.5
16000	57.4	63.0	64.8	66.3	68.4	69.2	69.9	70.3	70.5	70.8	71.2	71.2	71.4	71.6	71.6	71.6
14000	61.5	67.4	69.3	71.0	73.1	74.0	74.8	75.2	75.4	75.7	76.1	76.1	76.4	76.5	76.5	76.6
12000	66.0	72.6	74.6	76.6	79.2	80.2	81.1	81.6	81.8	82.3	82.8	82.9	83.1	83.3	83.3	83.3
10000	71.4	79.3	81.4	83.6	86.2	87.3	88.1	88.8	89.0	89.6	90.1	90.1	90.5	90.6	90.6	90.7
9000	72.0	80.0	82.2	84.5	87.3	88.3	89.2	89.8	90.0	90.6	91.1	91.2	91.5	91.6	91.6	91.7
8000	73.0	81.4	83.6	85.9	88.9	89.9	90.9	91.6	91.8	92.4	92.9	92.9	93.3	93.4	93.4	93.5
7000	73.7	82.2	84.4	86.7	89.7	90.7	91.7	92.4	92.6	93.2	93.7	93.8	94.1	94.2	94.2	94.3
6000	74.6	83.2	85.5	87.8	90.8	91.8	92.8	93.5	93.7	94.3	94.8	94.9	95.2	95.3	95.3	95.4
5000	75.4	84.4	86.6	89.0	92.1	93.2	94.2	94.9	95.1	95.8	96.2	96.3	96.6	96.8	96.8	96.9
4500	75.6	84.6	86.8	89.2	92.3	93.4	94.4	95.1	95.3	96.0	96.4	96.5	96.8	97.0	97.0	97.1
4000	75.9	85.3	87.5	89.9	93.0	94.1	95.1	95.8	96.0	96.6	97.1	97.2	97.5	97.7	97.7	97.8
3500	76.1	85.5	87.9	90.2	93.4	94.4	95.4	96.1	96.3	97.0	97.5	97.5	97.9	98.1	98.1	98.2
3000	76.4	85.8	88.1	90.5	93.6	94.7	95.7	96.4	96.6	97.3	97.7	97.8	98.1	98.4	98.4	98.5
2500	76.4	85.9	88.3	90.6	93.8	94.9	95.8	96.5	96.7	97.4	97.9	97.9	98.3	98.5	98.5	98.6
2200	76.4	86.4	88.8	91.2	94.3	95.4	96.4	97.1	97.3	97.9	98.4	98.5	98.8	99.0	99.0	99.2
2000	76.4	86.4	88.8	91.2	94.3	95.4	96.4	97.1	97.3	97.9	98.4	98.5	98.8	99.0	99.0	99.2
1800	76.5	86.5	88.9	91.3	94.4	95.5	96.5	97.2	97.4	98.1	98.6	98.6	99.0	99.2	99.2	99.3
1600	76.5	86.5	88.9	91.3	94.5	95.6	96.6	97.3	97.5	98.1	98.6	98.7	99.0	99.2	99.2	99.4
1400	76.5	86.5	89.0	91.4	94.7	95.8	96.7	97.4	97.7	98.4	98.8	98.9	99.3	99.5	99.5	99.7
1200	76.5	86.5	89.0	91.4	94.7	95.8	96.7	97.4	97.7	98.4	98.8	98.9	99.3	99.5	99.5	99.7
1000	76.5	86.6	89.1	91.6	94.8	95.9	96.8	97.5	97.8	98.5	99.0	99.0	99.5	99.7	99.7	99.8
900	76.5	86.6	89.1	91.6	94.8	95.9	96.8	97.5	97.8	98.5	99.0	99.0	99.5	99.7	99.7	99.8
800	76.5	86.6	89.1	91.6	94.8	95.9	96.8	97.5	97.8	98.5	99.0	99.0	99.5	99.7	99.7	99.8
700	76.5	86.6	89.2	91.6	94.9	96.0	96.9	97.6	97.9	98.6	99.0	99.1	99.5	99.7	99.7	99.9
600	76.5	86.6	89.2	91.6	94.9	96.0	96.9	97.6	97.9	98.6	99.0	99.1	99.5	99.7	99.7	99.9
500	76.5	86.6	89.2	91.6	94.9	96.0	96.9	97.6	97.9	98.6	99.0	99.1	99.5	99.7	99.7	99.9
400	76.5	86.6	89.2	91.7	94.9	96.0	97.0	97.7	97.9	98.6	99.1	99.2	99.6	99.8	99.8	99.9
300	76.5	86.6	89.2	91.7	94.9	96.0	97.0	97.7	97.9	98.6	99.1	99.2	99.6	99.8	99.8	99.9
200	76.5	86.6	89.2	91.7	94.9	96.0	97.0	97.7	97.9	98.7	99.2	99.2	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1459

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 4167 DHAHRAN SAUDI ARABIA 46-62 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0900-1100

CEILING VERSUS VISIBILITY

CEILING (FEET)	≥0	≥1/4	≥1/2	≥3/4	≥1	≥1 1/4	≥1 1/2	≥2	≥2 1/2	≥3	≥4	≥5	≥5 1/2	≥6
≥ 0	50.5	55.5	57.8	59.8	62.0	62.7	63.8	64.4	64.5	65.1	65.3	65.3	65.6	65.6	65.6	65.7
≥ 200	56.2	61.6	64.2	66.3	68.6	69.2	70.5	71.1	71.1	71.9	72.1	72.1	72.3	72.4	72.5	72.6
≥ 400	56.9	62.5	65.0	67.2	69.5	70.2	71.4	72.0	72.1	72.9	73.0	73.0	73.3	73.4	73.4	73.6
≥ 500	58.2	64.0	66.5	68.7	71.0	71.7	72.9	73.5	73.6	74.3	74.5	74.5	74.8	74.9	74.9	75.0
≥ 600	61.7	68.0	70.7	72.9	75.3	76.0	77.4	78.2	78.3	79.1	79.3	79.3	79.6	79.6	79.7	79.8
≥ 800	66.5	73.6	76.4	78.7	81.4	82.2	83.6	84.7	84.7	85.6	85.8	85.8	86.0	86.1	86.2	86.3
≥ 900	71.7	79.4	82.3	84.5	87.6	88.4	89.8	91.0	91.0	91.9	92.2	92.3	92.5	92.6	92.7	92.8
≥ 1000	72.7	80.5	83.3	85.6	88.6	89.4	90.8	92.0	92.1	93.0	93.2	93.3	93.6	93.7	93.7	93.9
≥ 1200	73.2	81.0	83.9	86.2	89.2	90.1	91.7	92.8	92.9	93.8	94.1	94.1	94.4	94.5	94.6	94.7
≥ 1400	73.8	81.8	84.7	87.0	90.0	90.8	92.5	93.7	93.7	94.6	94.9	95.0	95.2	95.4	95.4	95.6
≥ 1600	74.6	82.6	85.6	87.8	91.0	91.8	93.5	94.6	94.7	95.6	95.9	95.9	96.2	96.3	96.4	96.5
≥ 1800	74.8	83.2	86.1	88.4	91.6	92.4	94.1	95.2	95.3	96.3	96.6	96.7	97.0	97.2	97.2	97.4
≥ 2000	75.2	83.6	86.5	88.8	91.9	92.8	94.5	95.6	95.7	96.6	97.0	97.1	97.4	97.6	97.7	97.8
≥ 2200	75.5	84.2	87.2	89.5	92.6	93.5	95.2	96.3	96.4	97.4	97.7	97.8	98.1	98.3	98.4	98.5
≥ 2400	75.8	84.5	87.6	89.8	93.0	93.8	95.5	96.6	96.7	97.7	98.1	98.1	98.5	98.6	98.8	98.9
≥ 2600	75.9	84.6	87.6	89.9	93.1	93.9	95.6	96.8	96.8	97.8	98.2	98.3	98.6	98.8	98.9	99.0
≥ 2800	75.9	84.6	87.6	89.9	93.1	93.9	95.6	96.8	96.8	97.8	98.2	98.3	98.6	98.8	98.9	99.0
≥ 3000	75.9	84.7	87.7	90.0	93.2	94.0	95.7	96.8	96.9	97.9	98.3	98.3	98.6	98.8	99.0	99.1
≥ 3200	76.0	84.7	87.7	90.1	93.2	94.1	95.7	96.9	97.0	97.9	98.3	98.4	98.7	98.9	99.0	99.2
≥ 3400	76.0	84.8	87.9	90.3	93.4	94.3	95.9	97.1	97.2	98.1	98.5	98.6	98.9	99.1	99.2	99.4
≥ 3600	76.0	84.9	88.0	90.3	93.5	94.3	96.0	97.2	97.2	98.2	98.6	98.6	99.0	99.2	99.3	99.4
≥ 3800	76.1	85.1	88.2	90.5	93.7	94.5	96.2	97.4	97.4	98.4	98.8	98.8	99.2	99.4	99.5	99.6
≥ 4000	76.1	85.1	88.2	90.5	93.7	94.5	96.2	97.4	97.4	98.4	98.8	98.8	99.2	99.4	99.5	99.6
≥ 4200	76.1	85.2	88.4	90.7	93.9	94.7	96.4	97.5	97.6	98.6	99.0	99.0	99.4	99.5	99.7	99.8
≥ 4400	76.1	85.2	88.4	90.7	93.9	94.7	96.4	97.5	97.6	98.6	99.0	99.0	99.4	99.5	99.7	99.8
≥ 4600	76.1	85.2	88.4	90.7	93.9	94.7	96.4	97.5	97.6	98.6	99.0	99.0	99.4	99.5	99.7	99.8
≥ 4800	76.1	85.3	88.5	90.8	93.9	94.8	96.5	97.6	97.7	98.6	99.0	99.1	99.4	99.6	99.7	99.9
≥ 5000	76.1	85.3	88.5	90.8	93.9	94.8	96.5	97.6	97.7	98.6	99.0	99.1	99.4	99.6	99.7	99.9
≥ 5200	76.1	85.3	88.5	90.8	93.9	94.8	96.5	97.6	97.7	98.6	99.0	99.1	99.4	99.6	99.7	99.9
≥ 5400	76.1	85.3	88.5	90.8	93.9	94.8	96.5	97.6	97.7	98.6	99.0	99.1	99.4	99.6	99.7	99.9
≥ 5600	76.1	85.3	88.5	90.8	93.9	94.8	96.5	97.6	97.7	98.6	99.0	99.1	99.4	99.6	99.7	99.9
≥ 5800	76.1	85.3	88.5	90.8	93.9	94.8	96.5	97.6	97.7	98.6	99.0	99.1	99.4	99.6	99.7	99.9
≥ 6000	76.1	85.3	88.5	90.8	93.9	94.8	96.5	97.6	97.7	98.6	99.0	99.1	99.4	99.6	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 1551

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 41180 DHAHRAN SAUDI ARABIA 46-62 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING (HUNDREDS OF FEET)	STATUTE MILES															
	≥10	10	7	4	3	2½	2	1½	1	¾	½	¼	0	≥5/8	≥½	≥0
≥22	48.5	54.4	57.[illegible]	58.5	61.0	62.0	63.3	64.0	64.0	64.4	64.6	64.8	65.2	65.2	65.2	65.4
22	55.2	61.6	64.5	66.2	69.6	69.6	71.0	71.9	71.9	72.2	72.7	72.9	73.4	73.5	73.5	73.7
20	55.6	62.0	64.9	66.6	69.1	70.1	71.5	72.4	72.4	72.7	73.2	73.4	73.9	74.[illegible]	74.[illegible]	74.[illegible]
18	56.7	63.4	66.3	66.0	70.5	71.5	72.9	73.8	73.8	74.1	74.6	74.8	75.4	75.[illegible]	75.5	75.6
16	59.6	66.9	69.8	71.7	74.3	75.3	76.7	77.5	77.5	77.9	78.4	78.6	79.2	79.[illegible]	79.3	79.4
14	64.7	72.7	75.8	77.9	80.7	81.8	83.4	84.5	84.6	85.1	85.6	85.8	86.5	86.6	86.6	86.6
12	68.8	77.2	80.3	82.5	85.5	86.7	88.4	89.5	89.6	90.2	90.7	90.9	91.6	91.7	91.7	91.9
10	69.5	77.9	81.1	83.3	86.3	87.5	89.2	90.3	90.4	91.0	91.5	91.7	92.4	92.5	92.5	92.7
9	70.8	79.5	82.7	84.9	88.0	89.2	91.0	92.2	92.3	92.9	93.4	93.5	94.2	94.4	94.4	94.6
8	71.2	80.1	83.4	85.6	88.7	90.1	91.9	93.0	93.2	93.7	94.2	94.4	95.1	95.3	95.3	95.4
7	71.8	80.7	84.0	86.3	89.4	90.7	92.6	93.8	93.9	94.5	95.0	95.2	95.9	96.0	96.0	96.3
6	72.6	81.8	85.1	87.4	90.6	92.0	93.9	95.1	95.3	95.8	96.4	96.6	97.3	97.5	97.5	97.8
5	72.7	81.9	85.2	87.7	90.9	92.2	94.1	95.4	95.5	96.1	96.6	96.8	97.6	97.7	97.7	98.0
4½	72.9	82.2	85.6	88.0	91.3	92.7	94.6	95.8	96.0	96.5	97.1	97.3	98.0	98.2	98.2	98.5
4	73.1	82.4	85.8	88.2	91.5	92.9	94.8	96.0	96.1	96.7	97.3	97.5	98.2	98.4	98.4	98.7
3½	73.1	82.5	86.0	88.4	91.7	93.0	94.9	96.2	96.3	96.9	97.5	97.7	98.4	98.5	98.5	98.9
3	73.1	82.6	86.0	88.5	91.8	93.2	95.1	96.3	96.5	97.0	97.6	97.8	98.5	98.7	98.7	99.0
2½	73.2	82.8	86.2	88.7	92.0	93.4	95.3	96.5	96.6	97.2	97.8	98.0	98.7	98.9	98.9	99.2
2	73.2	82.8	86.2	88.7	92.0	93.4	95.3	96.5	96.6	97.2	97.8	98.0	98.7	98.9	98.9	99.2
1½	73.2	82.8	86.2	88.7	92.0	93.4	95.3	96.5	96.6	97.2	97.8	98.0	98.7	98.9	98.9	99.2
1¼	73.2	83.0	86.4	88.9	92.2	93.5	95.4	96.7	96.9	97.4	98.0	98.2	98.9	99.1	99.1	99.4
1	73.3	83.1	86.5	89.0	92.3	93.7	95.6	96.8	97.0	97.5	98.1	98.3	99.1	99.2	99.2	99.6
¾	73.3	83.1	86.5	89.0	92.3	93.7	95.6	96.8	97.0	97.5	98.1	98.3	99.1	99.2	99.2	99.6
½	73.3	83.1	86.5	89.0	92.3	93.7	95.6	96.8	97.0	97.5	98.1	98.3	99.1	99.2	99.2	99.6
¼	73.3	83.1	86.5	89.0	92.3	93.7	95.6	96.8	97.0	97.5	98.1	98.3	99.1	99.2	99.2	99.6
0	73.3	83.1	86.5	89.0	92.3	93.7	95.6	96.8	97.0	97.5	98.1	98.3	99.1	99.2	99.2	99.6
	73.3	83.1	86.5	89.0	92.3	93.7	95.6	96.8	97.0	97.5	98.1	98.3	99.1	99.4	99.4	99.7
	73.3	83.1	86.5	89.0	92.3	93.7	95.6	96.8	97.0	97.5	98.1	98.3	99.1	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1581

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41[illegible] DHAHRAN SAUDI ARABIA 46-62 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1[illegible]-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	1/2	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5	6	7	8	9	10	10+
50+	53.7	58.0	61.2	62.8	64.1	64.6	65.4	66.1	66.1	66.5	66.8	67.0	67.2	67.2	67.2	67.2
40	58.3	67.0	69.7	71.4	72.9	73.4	74.3	75.0	75.1	75.7	76.1	76.3	76.6	76.6	76.7	76.7
30	58.6	67.3	70.1	71.7	73.4	73.9	74.7	75.5	75.5	76.2	76.6	76.7	77.0	77.1	77.2	77.2
25	60.1	68.9	71.7	73.5	75.2	75.7	76.5	77.3	77.4	78.0	78.4	78.5	78.9	79.[illegible]	79.[illegible]	79.1
20	61.5	70.8	73.5	75.5	77.[illegible]	78.1	78.9	79.7	79.7	80.4	80.[illegible]	81.0	81.4	81.4	81.5	81.5
15	65.0	74.7	77.6	79.7	82.1	82.8	83.7	84.5	84.6	85.4	85.9	86.0	86.4	86.5	86.6	86.6
10	69.5	80.1	83.1	85.4	88.2	88.8	89.9	90.9	91.[illegible]	91.8	92.5	92.6	93.0	93.1	93.2	93.3
9	70.7	81.4	84.5	86.8	89.7	90.5	91.7	92.6	92.8	93.5	94.2	94.3	94.8	94.8	95.[illegible]	95.[illegible]
8	72.3	83.1	86.2	88.5	91.4	92.3	93.5	94.5	94.6	95.4	96.[illegible]	96.1	96.5	96.5	96.5	96.6
7	72.8	83.8	87.[illegible]	89.4	92.3	93.1	94.3	95.3	95.4	96.2	96.8	97.0	97.4	97.5	97.6	97.7
6+	73.2	84.2	87.4	89.8	92.7	93.5	94.8	95.8	95.9	96.7	97.4	97.5	97.9	98.0	98.1	98.2
6	73.5	84.7	87.9	90.4	93.4	94.2	95.5	96.5	96.6	97.4	98.[illegible]	98.1	98.6	98.6	98.8	98.8
5+	73.5	84.7	87.9	90.4	93.4	94.2	95.5	96.5	96.6	97.4	98.[illegible]	98.1	98.6	98.6	98.8	98.8
4+	73.5	85.0	88.2	90.6	93.7	94.6	95.9	96.8	97.0	97.7	98.4	98.5	99.0	99.[illegible]	99.2	99.2
4	73.7	85.2	88.4	90.8	93.9	94.8	96.1	97.0	97.2	97.9	98.6	98.7	99.2	99.2	99.4	99.4
3+	73.7	85.2	88.4	90.8	93.9	94.8	96.1	97.1	97.2	98.0	98.6	98.8	99.2	99.3	99.4	99.5
3	73.7	85.2	88.4	90.8	93.9	94.8	96.1	97.1	97.2	98.0	98.6	98.8	99.2	99.3	99.4	99.5
2+	73.9	85.4	88.6	91.0	94.2	95.1	96.4	97.4	97.5	98.3	98.9	99.0	99.5	99.5	99.7	99.7
2	73.9	85.4	88.6	91.0	94.2	95.1	96.4	97.4	97.5	98.3	98.9	99.0	99.5	99.5	99.7	99.7
1+	73.9	85.4	88.6	91.0	94.2	95.1	96.4	97.4	97.5	98.3	98.9	99.0	99.5	99.5	99.7	99.7
1	73.9	85.4	88.6	91.0	94.2	95.1	96.4	97.4	97.5	98.3	98.9	99.0	99.5	99.5	99.7	99.7
0+	73.9	85.4	88.6	91.0	94.2	95.1	96.4	97.4	97.5	98.3	98.9	99.0	99.5	99.5	99.7	99.7
0	73.9	85.4	88.6	91.0	94.2	95.1	96.4	97.4	97.5	98.3	98.9	99.0	99.5	99.5	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1558

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41 60 — DHAHRAN SAUDI ARABIA — 46-62 — MAY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1 Apr-2000

CEILING (FEET)	30	26	24	22	20	18	16	14	12	10	9	8	7	6	5	4	3	2	1	0
20000	59.8	63.3	69.6	70.7	71.9	72.3	72.8	73.0	73.0	73.0	73.4	73.4	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6
15000	65.4	74.4	75.7	76.9	78.2	78.5	79.0	79.2	79.2	79.4	79.7	79.7	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1
12000	66.1	75.1	76.5	77.6	79.0	79.3	79.8	80.0	80.0	80.1	80.5	80.5	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8
10000	67.1	76.3	77.6	78.8	80.2	80.6	81.1	81.3	81.3	81.4	81.8	81.8	82.1	82.1	82.2	82.2	82.3	82.3	82.3	82.3
9000	69.1	78.8	80.4	81.6	83.0	83.3	83.9	84.0	84.0	84.2	84.5	84.5	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1
8000	71.8	82.5	84.2	85.4	86.9	87.2	87.7	87.9	87.9	88.0	88.4	88.4	88.7	88.7	88.9	88.9	89.0	89.0	89.0	89.0
7000	76.4	88.2	89.8	91.3	93.0	93.4	93.9	94.0	94.0	94.2	94.6	94.6	94.9	94.9	95.0	95.0	95.1	95.1	95.1	95.1
6000	77.0	88.9	90.5	92.0	93.9	94.2	94.7	94.9	94.9	95.1	95.4	95.4	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.0
5000	77.6	89.8	91.5	93.0	94.9	95.3	95.8	95.9	95.9	96.1	96.5	96.5	96.8	96.8	96.9	96.9	97.0	97.0	97.0	97.0
4500	77.9	90.2	92.0	93.4	95.3	95.7	96.2	96.4	96.4	96.5	96.9	96.9	97.2	97.2	97.3	97.3	97.5	97.5	97.5	97.5
4000	78.1	90.4	92.1	93.6	95.5	95.9	96.4	96.6	96.6	96.7	97.1	97.1	97.4	97.4	97.5	97.5	97.7	97.7	97.7	97.7
3500	78.7	91.1	92.8	94.4	96.4	96.8	97.3	97.5	97.5	97.7	98.0	98.0	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6
3000	78.7	91.1	92.8	94.4	96.4	96.8	97.3	97.5	97.5	97.7	98.0	98.0	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6
2500	79.0	91.5	93.4	94.9	97.0	97.4	97.9	98.2	98.2	98.3	98.7	98.7	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2
2000	79.0	91.5	93.4	94.9	97.0	97.4	97.9	98.2	98.2	98.3	98.7	98.7	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2
1800	79.2	91.6	93.5	95.1	97.2	97.6	98.1	98.4	98.4	98.5	98.9	98.9	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4
1600	79.2	91.6	93.5	95.1	97.2	97.6	98.1	98.4	98.4	98.5	98.9	98.9	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4
1400	79.4	91.8	93.7	95.3	97.3	97.8	98.3	98.5	98.5	98.7	99.1	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6
1200	79.4	91.8	93.7	95.3	97.3	97.8	98.3	98.5	98.5	98.7	99.1	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6
1000	79.4	92.0	93.9	95.4	97.5	97.9	98.4	98.7	98.7	98.8	99.2	99.2	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7
900	79.4	92.0	93.9	95.4	97.5	97.9	98.4	98.7	98.7	98.8	99.2	99.2	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7
800	79.5	92.1	94.0	95.6	97.6	98.0	98.5	98.8	98.8	98.9	99.3	99.3	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8
700	79.5	92.1	94.0	95.6	97.6	98.0	98.5	98.8	98.8	98.9	99.3	99.3	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8
600	79.5	92.1	94.0	95.6	97.7	98.1	98.6	98.9	98.9	99.0	99.4	99.4	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9
500	79.5	92.1	94.0	95.6	97.7	98.1	98.6	98.9	98.9	99.0	99.4	99.4	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9
400	79.5	92.1	94.0	95.6	97.7	98.1	98.6	98.9	98.9	99.0	99.4	99.4	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9
300	79.5	92.1	94.0	95.6	97.7	98.2	98.7	98.9	98.9	99.1	99.4	99.4	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
200	79.5	92.1	94.0	95.6	97.7	98.2	98.7	98.9	98.9	99.1	99.4	99.4	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
100	79.5	92.1	94.0	95.6	97.7	98.2	98.7	98.9	98.9	99.1	99.4	99.4	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
0	79.5	92.1	94.0	95.6	97.7	98.2	98.7	98.9	98.9	99.1	99.4	99.4	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1579

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 416[illegible] DHAHRAN SAUDI ARABIA 46-62 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]

[illegible]	66.7	73.9	75.[illegible]	76.0	76.6	76.8	77.2	77.5	77.7	77.8	77.8	77.8	77.9	77.9	78.1	78.[illegible]
[illegible]	70.4	77.9	79.[illegible]	80.0	80.6	80.8	81.2	81.5	81.7	81.7	81.7	81.7	82.0	82.0	82.1	82.2
[illegible]	71.5	79.0	80.1	81.1	81.7	81.9	82.3	82.6	82.8	82.8	82.8	83.1	83.1	83.[illegible]	83.2
[illegible]	72.3	79.9	81.0	82.0	82.6	82.8	83.3	83.5	83.7	83.8	83.8	84.1	84.1	84.[illegible]	84.2
[illegible]	74.7	82.5	83.6	84.8	85.4	85.6	86.0	86.3	86.5	86.5	86.5	86.5	86.9	87.[illegible]	87.[illegible]
[illegible]	77.6	86.1	87.2	88.5	89.3	89.5	89.8	90.2	90.4	90.5	90.5	90.5	90.8	90.[illegible]	90.9	90.[illegible]
[illegible]	81.1	90.0	91.1	92.7	93.7	93.9	94.3	94.6	94.8	95.0	95.0	95.0	95.4	95.4	95.5	95.6
[illegible]	81.6	90.6	91.8	93.3	94.3	94.5	94.9	95.2	95.4	95.6	95.6	95.6	96.[illegible]	96.[illegible]	96.1	96.2
[illegible]	82.2	91.4	92.9	94.4	95.5	95.7	96.2	96.4	96.6	96.8	96.8	96.8	97.3	97.[illegible]	97.3	97.4
[illegible]	82.2	91.6	93.0	94.6	95.6	95.8	96.3	96.6	96.8	97.0	97.0	97.0	97.4	97.4	97.5	97.5
[illegible]	82.4	91.8	93.2	94.8	95.8	96.0	96.5	96.8	97.0	97.2	97.2	97.2	97.6	97.6	97.7	97.7
[illegible]	82.8	92.3	93.[illegible]	95.3	96.5	96.8	97.3	97.5	97.7	97.9	97.9	97.9	98.4	98.4	98.4	98.5
[illegible]	82.8	92.4	93.[illegible]	95.4	96.6	96.8	97.3	97.6	97.8	98.0	98.0	98.0	98.4	98.4	98.5	98.6
[illegible]	83.3	93.0	94.6	96.2	97.3	97.6	98.1	98.4	98.6	98.8	98.8	98.8	99.2	99.2	99.3	99.3
[illegible]	83.3	93.0	94.6	96.2	97.3	97.6	98.1	98.4	98.6	98.8	98.8	98.8	99.2	99.2	99.3	99.3
[illegible]	83.3	93.1	94.7	96.3	97.5	97.7	98.2	98.5	98.7	98.9	98.9	98.9	99.3	99.3	99.4	99.5
[illegible]	83.3	93.1	94.7	96.3	97.5	97.7	98.2	98.5	98.7	98.9	98.9	98.9	99.3	99.3	99.4	99.5
[illegible]	83.5	93.3	94.9	96.5	97.7	97.9	98.4	98.7	98.9	99.1	99.1	99.1	99.5	99.5	99.6	99.7
[illegible]	83.5	93.3	94.9	96.5	97.7	97.9	98.4	98.7	98.9	99.1	99.1	99.1	99.5	99.5	99.6	99.7
[illegible]	83.5	93.4	95.1	96.6	97.8	98.1	98.6	98.8	99.0	99.2	99.2	99.2	99.7	99.7	99.7	99.8
[illegible]	83.5	93.4	95.1	96.6	97.8	98.1	98.6	98.8	99.0	99.2	99.2	99.2	99.7	99.7	99.7	99.[illegible]
[illegible]	83.5	93.4	95.1	96.6	97.8	98.1	98.6	98.9	99.1	99.3	99.3	99.3	99.7	99.7	99.8	99.9
[illegible]	83.5	93.4	95.1	96.6	97.8	98.1	98.6	98.9	99.1	99.3	99.3	99.3	99.7	99.7	99.8	99.9
[illegible]	83.5	93.4	95.1	96.6	97.8	98.1	98.6	98.9	99.1	99.3	99.3	99.3	99.7	99.7	99.8	99.9
[illegible]	83.5	93.4	95.1	96.6	97.8	98.1	98.6	98.9	99.1	99.3	99.3	99.3	99.7	99.7	99.8	99.9
[illegible]	83.5	93.4	95.1	96.6	97.8	98.1	98.6	98.9	99.1	99.3	99.3	99.3	99.7	99.7	99.8	99.9
[illegible]	83.5	93.4	95.1	96.6	97.8	98.1	98.7	99.0	99.2	99.4	99.4	99.4	99.8	99.8	99.9	99.9
[illegible]	83.5	93.4	95.1	96.6	97.8	98.1	98.7	99.0	99.2	99.4	99.4	99.4	99.8	99.8	99.9	99.9
[illegible]	83.5	93.4	95.1	96.6	97.8	98.2	98.8	99.0	99.2	99.5	99.5	99.5	99.9	99.9	99.91	100.0
[illegible]	83.5	93.4	95.1	96.6	97.8	98.2	98.8	99.0	99.2	99.5	99.5	99.5	99.9	99.9	99.91	100.0
[illegible]	83.5	93.4	95.1	96.6	97.8	98.2	98.8	99.0	99.2	99.5	99.5	99.5	99.9	99.9	99.91	100.0

TOTAL NUMBER OF OBSERVATIONS 1457

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41[illegible] DHAHRAN SAUDI ARABIA 46-52 SA

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

	56.3	62.0	64.9	66.1	67.6	68.2	68.9	69.3	69.7	69.8	69.9	69.9	70.1	70.1	70.1	70.
	61.5	63.4	70.5	71.9	73.4	74.2	74.7	75.2	75.2	75.6	75.8	75.9	76.1	76.2	76.2	76.
	62.2	69.0	71.0	72.5	74.0	74.6	75.2	75.8	76.0	76.2	76.5	76.5	76.8	76.	76.	76.
	63.1	70.2	72.2	73.7	75.3	75.9	76.6	77.0	77.1	77.5	77.7	77.7	78.1	78.	78.	78.
	66.1	73.7	75.7	77.3	79.0	79.6	80.4	80.8	80.9	81.3	81.5	81.5	81.9	81.	82.	82.
	73.2	78.5	80.7	82.4	84.7	85.0	85.6	86.4	86.5	86.9	87.2	87.3	87.6	87.	87.	87.
	74.3	83.4	85.6	87.5	89.6	90.3	91.3	91.7	92.0	92.5	92.6	93.	93.2	93.	93.	93.
	75.1	84.2	86.5	88.4	90.6	91.3	92.3	92.9	93.2	93.5	93.5	93.8	94.2	94.	94.	94.
	75.9	85.3	87.7	89.6	91.9	92.6	93.6	94.2	94.7	94.8	95.1	95.2	95.5	95.	95.	95.
	76.3	85.8	88.2	90.2	92.4	93.1	94.1	94.6	94.9	95.4	95.7	95.7	96.1	96.	96.	96.
	76.7	86.2	88.8	90.7	93.0	93.7	94.8	95.4	95.8	96.2	96.3	96.4	96.7	96.	96.	96.
	77.1	87.1	89.5	91.4	93.9	94.5	95.6	96.2	96.3	96.9	97.2	97.2	97.6	97.	97.	97.
	77.3	87.1	89.6	91.6	93.9	94.7	95.7	96.4	96.5	97.0	97.3	97.4	97.8	97.	97.	97.
	77.5	87.6	90.1	92.2	94.5	95.3	96.4	97.1	97.1	97.6	98.	98.	98.4	98.	98.	98.
	77.6	87.7	90.3	92.3	94.7	95.4	96.5	97.2	97.3	97.8	98.1	98.2	98.5	98.	98.	98.
	77.7	87.9	92.4	92.4	94.8	95.6	96.7	97.3	97.4	97.9	98.3	98.3	98.7	98.	98.	98.
	77.7	87.9	90.4	92.5	94.9	95.6	96.7	97.4	97.5	98.	98.3	98.4	98.7	98.	98.	98.
	77.9	88.1	90.6	92.6	95.0	95.8	96.9	97.6	97.7	98.2	98.5	98.6	98.9	99.	99.	99.
	77.8	88.1	90.6	92.6	95.0	95.8	96.9	97.6	97.7	98.2	98.5	98.6	98.9	99.	99.	99.
	77.9	88.1	90.7	92.7	95.1	95.9	97.0	97.7	97.8	98.3	98.6	98.7	99.1	99.	99.	99.
	77.9	88.2	90.8	92.8	95.2	96.0	97.1	97.7	97.9	98.4	98.7	98.7	99.1	99.	99.	99.
	77.9	88.3	90.9	92.9	95.4	96.1	97.2	97.9	98.0	98.5	98.8	98.9	99.3	99.	99.	99.
	78.1	88.3	90.9	92.9	95.4	96.1	97.2	97.9	98.0	98.5	98.8	98.9	99.3	99.	99.	99.
	78.3	88.4	91.0	93.0	95.4	96.2	97.3	98.0	98.1	98.6	98.9	99.0	99.4	99.	99.	99.
	78.0	88.4	91.0	93.0	95.5	96.2	97.3	98.0	98.1	98.6	99.0	99.0	99.4	99.	99.	99.
	78.2	88.4	91.0	93.0	95.5	96.2	97.3	98.0	98.1	98.6	99.0	99.0	99.4	99.	99.	99.
	78.2	88.4	91.0	93.1	95.5	96.3	97.3	98.0	98.1	98.6	99.0	99.0	99.4	99.	99.	99.
	78.2	88.4	91.1	93.1	95.5	96.3	97.4	98.1	98.2	98.7	99.0	99.1	99.5	99.	99.	99.
	78.2	88.4	91.0	93.1	95.5	96.3	97.4	98.1	98.2	98.7	99.1	99.1	99.5	99.	99.	99.
	78.2	88.4	91.0	93.1	95.5	96.3	97.5	98.1	98.2	98.8	99.1	99.1	99.5	99.	99.	99.
	78.2	88.4	91.0	93.1	95.6	96.4	97.5	98.1	98.2	98.8	99.1	99.2	99.5	99.	99.	99.
	78.2	88.4	91.0	93.1	95.6	96.4	97.5	98.1	98.2	98.8	99.1	99.2	99.6	99.	99.	99.

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC [illegible] 0-14-5 OL A [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416 DHAHRAN SAUDI ARABIA 48-61 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CEILING (HUNDREDS OF FEET)	VISIBILITY (STATUTE MILES)															
	≥10	10	9	8	7	6	5	4	3	2½	2	1½	1	¾	½	<½
≥22000	74.7	79.6	80.7	80.9	81.6	82.1	82.4	82.5	82.6	82.6	82.6	82.6	82.6	83.1	83.1	83.1
20000	77.4	82.5	83.6	83.8	84.5	85.1	85.3	85.5	85.6	85.7	85.7	85.7	85.9	86.0	86.0	86.0
18000	77.8	83.0	84.1	84.3	85.0	85.5	85.8	85.9	86.0	86.2	86.2	86.2	86.4	86.5	86.5	86.5
16000	79.3	84.6	85.7	85.9	86.6	87.1	87.4	87.5	87.6	87.8	87.8	87.8	88.0	88.1	88.1	88.1
14000	82.0	87.8	89.0	89.2	89.8	90.4	90.6	90.8	90.8	91.0	91.0	91.0	91.3	91.3	91.3	91.3
12000	84.4	90.6	91.7	92.0	92.8	93.3	93.6	93.7	93.7	94.0	94.0	94.0	94.2	94.3	94.3	94.3
10000	87.1	93.9	95.1	95.3	96.3	96.8	97.1	97.2	97.2	97.5	97.5	97.5	97.8	97.9	97.9	97.9
9000	87.5	94.4	95.6	95.9	96.8	97.4	97.6	97.8	97.8	98.1	98.1	98.1	98.3	98.4	98.4	98.4
8000	87.7	94.7	95.9	96.2	97.2	97.8	98.0	98.2	98.2	98.5	98.5	98.5	98.7	98.8	98.8	98.8
7000	87.8	94.8	96.1	96.3	97.4	97.9	98.2	98.3	98.3	98.6	98.6	98.6	98.9	99.0	99.0	99.0
6000	87.8	94.9	96.2	96.4	97.5	98.0	98.3	98.4	98.4	98.8	98.8	98.8	99.0	99.1	99.1	99.1
5000	87.8	94.9	96.2	96.4	97.6	98.2	98.4	98.6	98.6	99.0	99.0	99.0	99.2	99.3	99.3	99.3
4500	87.8	94.9	96.2	96.4	97.6	98.2	98.4	98.6	98.6	99.0	99.0	99.0	99.2	99.3	99.3	99.3
4000	88.0	95.1	96.3	96.6	97.8	98.3	98.6	98.7	98.7	99.1	99.1	99.1	99.4	99.4	99.4	99.4
3500	88.0	95.1	96.3	96.6	97.8	98.3	98.6	98.7	98.7	99.1	99.1	99.1	99.4	99.4	99.4	99.4
3000	88.1	95.2	96.4	96.7	97.9	98.4	98.6	98.6	98.8	99.2	99.2	99.2	99.4	99.5	99.5	99.5
2500	88.2	95.2	96.5	96.7	97.9	98.5	98.7	98.9	98.9	99.3	99.3	99.3	99.5	99.6	99.6	99.6
2000	88.2	95.2	96.5	96.7	97.9	98.5	98.7	98.9	98.9	99.3	99.3	99.3	99.5	99.6	99.6	99.6
1800	88.2	95.2	96.5	96.7	97.9	98.5	98.7	98.9	98.9	99.3	99.3	99.3	99.5	99.6	99.6	99.6
1600	88.2	95.2	96.5	96.7	97.9	98.5	98.7	98.9	98.9	99.3	99.3	99.3	99.5	99.6	99.6	99.6
1400	88.2	95.3	96.6	96.8	98.0	98.6	98.8	99.0	99.0	99.4	99.4	99.4	99.6	99.7	99.7	99.7
1200	88.2	95.3	96.6	96.8	98.0	98.6	98.8	99.0	99.0	99.4	99.4	99.4	99.6	99.7	99.7	99.7
1000	88.2	95.3	96.6	96.8	98.0	98.6	98.8	99.0	99.0	99.4	99.4	99.4	99.6	99.8	99.8	99.8
900	88.2	95.3	96.6	96.8	98.0	98.6	98.8	99.0	99.0	99.4	99.4	99.4	99.6	99.8	99.8	99.8
800	88.2	95.6	96.8	97.1	98.3	98.8	99.0	99.2	99.2	99.6	99.6	99.6	99.8	100.0	100.0	100.0
700	88.2	95.6	96.8	97.1	98.3	98.8	99.0	99.2	99.2	99.6	99.6	99.6	99.8	100.0	100.0	100.0
600	88.2	95.6	96.8	97.1	98.3	98.8	99.0	99.2	99.2	99.6	99.6	99.6	99.8	100.0	100.0	100.0
500	88.2	95.6	96.8	97.1	98.3	98.8	99.0	99.2	99.2	99.6	99.6	99.6	99.8	100.0	100.0	100.0
400	88.2	95.6	96.8	97.1	98.3	98.8	99.0	99.2	99.2	99.6	99.6	99.6	99.8	100.0	100.0	100.0
300	88.2	95.6	96.8	97.1	98.3	98.8	99.0	99.2	99.2	99.6	99.6	99.6	99.8	100.0	100.0	100.0
200	88.2	95.6	96.8	97.1	98.3	98.8	99.0	99.2	99.2	99.6	99.6	99.6	99.8	100.0	100.0	100.0
100	88.2	95.6	96.8	97.1	98.3	98.8	99.0	99.2	99.2	99.6	99.6	99.6	99.8	100.0	100.0	100.0
0	88.2	95.6	96.8	97.1	98.3	98.8	99.0	99.2	99.2	99.6	99.6	99.6	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1259

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416 DHAHRAN SAUDI ARABIA 46-61 APR
STATION STATION NAME YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

300-0500

CEILING IN HUNDREDS OF FEET

VISIBILITY STATUTE MILES																
71.2	76.7	78.4	79.0	79.7	79.8	80.1	80.3	80.3	80.4	80.4	80.4	80.5	80.6	80.6	80.6	
73.6	79.3	81.1	81.6	82.3	82.5	82.7	82.9	82.9	83.0	83.0	83.0	83.1	83.3	83.3	83.3	
73.8	79.5	81.7	81.8	82.5	82.7	82.9	83.2	83.2	83.3	83.3	83.3	83.3	83.5	83.5	83.5	
75.3	81.1	83.9	83.6	84.3	84.4	84.7	84.9	84.9	85.0	85.0	85.0	85.1	85.2	85.2	85.2	
78.4	84.4	86.1	86.9	87.6	87.8	88.0	88.3	88.3	88.4	88.4	88.4	88.5	88.7	88.7	88.7	
91.5	93.5	93.2	91.0	91.7	91.9	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.9	92.9
94.9	92.6	94.6	95.5	96.3	96.4	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.3	97.4	97.4	
95.7	93.4	95.5	96.3	97.2	97.4	97.6	97.9	97.9	98.0	98.0	98.0	98.1	98.3	98.3	98.3	
95.9	95.6	95.7	96.6	97.5	97.7	98.1	98.4	98.4	98.5	98.5	98.5	98.6	98.7	98.8	98.8	
96.0	93.7	95.9	96.7	97.7	97.9	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.9	99.0	99.0	
96.2	94.0	96.2	97.1	98.1	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.1	99.3	99.4	99.4	
96.3	94.3	96.4	97.4	98.3	98.5	98.9	99.2	99.2	99.3	99.3	99.3	99.4	99.5	99.6	99.6	
96.3	94.3	96.4	97.5	98.4	98.6	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.6	99.7	99.7	
96.3	94.3	96.4	97.5	98.4	98.6	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.6	99.7	99.7	
96.3	94.3	96.4	97.5	98.4	98.6	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.6	99.7	99.7	
96.3	94.3	96.4	97.5	98.6	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.6	99.8	99.8	99.8	
96.3	94.3	96.4	97.5	98.6	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.6	99.8	99.8	99.8	
96.3	94.3	96.4	97.5	98.6	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.6	99.8	99.8	99.8	
96.3	94.3	96.4	97.5	98.6	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.6	99.8	99.8	99.8	
96.3	94.3	96.4	97.5	98.6	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.6	99.8	99.8	99.8	
96.3	94.3	96.4	97.5	98.6	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.6	99.8	99.8	99.8	
96.3	94.3	96.4	97.5	98.6	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.6	99.8	99.8	99.8	
96.3	94.4	96.5	97.5	98.7	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.7	99.8	99.9	99.9	
96.3	94.4	96.5	97.5	98.7	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.7	99.8	99.9	99.9	
96.3	94.4	96.5	97.5	98.7	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.7	99.8	99.9	99.9	
96.3	94.4	96.5	97.5	98.7	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.7	99.8	99.9	99.9	
96.3	94.4	96.5	97.5	98.7	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.7	99.8	99.9	99.9	
96.3	94.4	96.5	97.5	98.7	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.7	99.8	99.9	100.0	
96.3	94.4	96.5	97.5	98.7	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.7	99.8	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 1262

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41163 DHAHRAN SAUDI ARABIA 46-61 APR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥6	5	4	3	2½	2	1½	1	¾	½	¼	0				
≥22000	60.1	65.2	67.1	68.4	69.6	70.2	70.6	71.2	71.3	71.6	71.9	71.9	72.2	72.4	72.5	72.8
20000	65.0	70.9	72.9	74.2	75.5	76.1	76.5	77.3	77.3	77.7	78.0	78.0	78.6	78.8	78.9	79.2
18000	66.2	72.0	74.1	75.4	76.7	77.3	77.8	78.6	78.6	79.0	79.3	79.3	79.9	80.1	80.2	80.5
17000	67.7	73.6	75.7	77.0	78.3	78.9	79.5	80.3	80.3	80.8	81.1	81.1	81.7	81.8	82.0	82.2
16000	70.7	77.0	79.2	80.5	81.9	82.6	83.2	84.1	84.1	84.6	84.9	84.9	85.5	85.6	85.8	86.0
15000	75.9	83.0	85.4	86.8	88.4	89.2	90.0	90.9	90.9	91.3	91.6	91.6	92.2	92.4	92.5	92.5
14000	78.6	85.9	88.4	89.8	91.4	92.2	93.0	93.9	93.9	94.4	94.8	94.8	95.4	95.6	95.7	96.0
13000	79.3	86.7	89.2	90.6	92.2	93.0	93.8	94.7	94.7	95.1	95.5	95.5	96.2	96.3	96.5	96.7
12000	80.2	87.7	90.2	91.6	93.2	94.0	94.8	95.7	95.7	96.1	96.5	96.5	97.2	97.3	97.5	97.7
11000	80.4	88.1	90.6	92.0	93.7	94.5	95.3	96.2	96.2	96.7	97.1	97.1	97.8	97.9	98.1	98.3
10000	80.6	88.5	91.0	92.5	94.1	95.0	95.7	96.7	96.7	97.2	97.6	97.6	98.3	98.4	98.6	98.8
9000	80.8	88.9	91.4	92.9	94.5	95.4	96.1	97.0	97.0	97.6	97.9	97.9	98.6	98.8	98.9	99.2
8000	80.8	88.9	91.4	92.9	94.5	95.4	96.1	97.0	97.0	97.6	97.9	97.9	98.6	98.8	98.9	99.2
7000	80.8	89.0	91.6	93.0	94.7	95.5	96.3	97.2	97.2	97.7	98.1	98.1	98.8	98.9	99.1	99.3
6000	80.9	89.1	91.6	93.1	94.8	95.6	96.3	97.3	97.3	97.8	98.2	98.2	98.9	99.0	99.2	99.4
5000	81.0	89.2	91.7	93.2	94.8	95.7	96.4	97.3	97.3	97.9	98.3	98.3	99.0	99.2	99.3	99.5
4500	81.0	89.2	91.7	93.2	94.8	95.7	96.4	97.3	97.3	97.9	98.3	98.3	99.0	99.2	99.3	99.5
4000	81.1	89.4	91.9	93.3	95.0	95.8	96.6	97.5	97.5	98.1	98.5	98.5	99.2	99.3	99.5	99.7
3500	81.1	89.4	91.9	93.3	95.0	95.8	96.6	97.5	97.5	98.1	98.5	98.5	99.2	99.3	99.5	99.7
3000	81.1	89.4	91.9	93.3	95.0	95.8	96.6	97.5	97.5	98.1	98.5	98.5	99.2	99.3	99.5	99.7
2500	81.2	89.4	91.9	93.4	95.1	95.9	96.7	97.6	97.6	96.2	98.6	98.6	99.2	99.4	99.5	99.8
2000	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
1800	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
1600	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
1400	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
1200	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
1000	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
900	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
800	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
700	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
600	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
500	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
400	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
300	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
200	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	99.9
100	81.3	89.5	92.0	93.5	95.1	96.0	96.7	97.6	97.6	98.3	98.6	98.6	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1315

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
APR — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 — HOUR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	58.9	64.9	66.3	67.4	69.7	70.2	71.0	71.5	71.5	72.5	73.3	73.5	73.7	74.0	74.0	74.2
≥ 20000	63.3	70.0	72.0	73.1	75.5	76.2	77.0	77.6	77.6	78.6	79.6	79.8	80.0	80.3	80.4	80.5
≥ 15000	63.5	70.7	72.7	73.8	76.3	76.9	77.8	78.5	78.5	79.5	80.5	80.6	80.9	81.2	81.3	81.4
≥ 10000	65.2	72.5	74.5	75.8	78.3	78.9	79.8	80.5	80.5	81.5	82.5	82.7	83.1	83.4	83.5	83.6
≥ 8000	68.4	76.3	78.3	79.5	82.1	82.6	83.7	84.3	84.3	85.3	86.4	86.6	87.0	87.3	87.3	87.5
≥ 6000	72.7	81.2	83.3	84.8	87.6	88.2	89.6	90.3	90.3	91.6	92.6	92.8	93.2	93.5	93.6	93.7
≥ 5000	75.1	83.7	85.8	87.5	90.3	90.9	92.3	93.1	93.1	94.3	95.4	95.6	96.0	96.4	96.6	96.7
≥ 4500	75.6	84.2	86.3	88.0	90.8	91.4	92.8	93.6	93.6	94.8	95.9	96.1	96.5	96.9	97.1	97.2
≥ 4000	76.5	85.2	87.3	89.0	91.9	92.6	94.0	94.8	94.8	96.0	97.1	97.2	97.6	98.1	98.2	98.4
≥ 3500	76.7	85.3	87.5	89.1	92.1	92.7	94.1	94.9	94.9	96.1	97.2	97.4	97.8	98.2	98.4	98.5
≥ 3000	76.8	85.5	87.6	89.3	92.3	93.0	94.5	95.3	95.3	96.5	97.6	97.7	98.1	98.6	98.7	98.9
≥ 2500	76.8	85.6	87.7	89.3	92.3	93.1	94.6	95.4	95.4	96.6	97.6	97.8	98.2	98.6	98.8	99.0
≥ 2000	76.8	85.6	87.7	89.3	92.3	93.1	94.6	95.4	95.4	96.6	97.6	97.8	98.2	98.6	98.8	99.0
≥ 1800	77.0	85.8	87.9	89.6	92.6	93.3	94.8	95.6	95.6	96.6	97.9	98.1	98.4	98.9	99.0	99.2
≥ 1600	77.0	85.8	88.0	89.6	92.6	93.3	94.8	95.6	95.6	96.9	98.0	98.1	98.6	99.0	99.1	99.4
≥ 1400	77.0	85.8	88.0	89.6	92.6	93.3	94.8	95.6	95.6	96.9	98.0	98.1	98.6	99.0	99.1	99.4
≥ 1200	77.0	85.8	88.0	89.6	92.6	93.3	94.8	95.6	95.6	96.9	98.0	98.1	98.6	99.0	99.1	99.4
≥ 1000	77.0	85.8	88.0	89.6	92.6	93.3	94.8	95.6	95.6	96.9	98.0	98.1	98.6	99.0	99.1	99.4
≥ 900	77.2	86.1	88.2	89.8	92.8	93.6	95.1	95.9	95.9	97.1	98.2	98.4	98.8	99.2	99.4	99.6
≥ 800	77.2	86.1	88.2	89.8	92.8	93.6	95.1	95.9	95.9	97.1	98.2	98.4	98.8	99.2	99.4	99.6
≥ 700	77.2	86.1	88.2	89.8	92.8	93.6	95.1	95.9	95.9	97.1	98.2	98.4	98.8	99.2	99.4	99.6
≥ 600	77.2	86.1	88.2	89.8	92.8	93.6	95.1	96.0	96.0	97.3	98.6	98.7	99.2	99.6	99.8	100.0
≥ 500	77.2	86.1	88.2	89.8	92.8	93.6	95.1	96.0	96.0	97.3	98.6	98.7	99.2	99.6	99.8	100.0
≥ 450	77.2	86.1	88.2	89.8	92.8	93.6	95.1	96.0	96.0	97.3	98.6	98.7	99.2	99.6	99.8	100.0
≥ 400	77.2	86.1	88.2	89.8	92.8	93.6	95.1	96.0	96.0	97.3	98.6	98.7	99.2	99.6	99.8	100.0
≥ 350	77.2	86.1	88.2	89.8	92.8	93.6	95.1	96.0	96.0	97.3	98.6	98.7	99.2	99.6	99.8	100.0
≥ 300	77.2	86.1	88.2	89.8	92.8	93.6	95.1	96.0	96.0	97.3	98.6	98.7	99.2	99.6	99.8	100.0
≥ 250	77.2	86.1	88.2	89.8	92.8	93.6	95.1	96.0	96.0	97.3	98.6	98.7	99.2	99.6	99.8	100.0
≥ 200	77.2	86.1	88.2	89.8	92.8	93.6	95.1	96.0	96.0	97.3	98.6	98.7	99.2	99.6	99.8	100.0
≥ 150	77.2	86.1	88.2	89.8	92.8	93.6	95.1	96.0	96.0	97.3	98.6	98.7	99.2	99.6	99.8	100.0
≥ 100	77.2	86.1	88.2	89.8	92.8	93.6	95.1	96.0	96.0	97.3	98.6	98.7	99.2	99.6	99.8	100.0
≥ 50	77.2	86.1	88.2	89.8	92.8	93.6	95.1	96.0	96.0	97.3	98.6	98.7	99.2	99.6	99.8	100.0
0	77.2	86.1	88.2	89.8	92.8	93.6	95.1	96.0	96.0	97.3	98.6	98.7	99.2	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1398

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41 50 | DHAHRAN SAUDI ARABIA (STATION / STATION NAME) | 46-61 (YEARS) | APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOUR)

CEILING (FEET)	VISIBILITY (STATUTE MILES) ≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
≥ UNL	57.2	63.2	64.7	66.0	68.0	68.5	69.4	70.2	70.4	71.3	72.0	72.3	72.5	72.8	73.0	73.2
≥ 20000	64.0	71.0	72.7	74.0	76.3	76.8	77.9	78.8	79.1	80.1	80.9	81.2	81.8	82.1	82.4	82.6
≥ 18000	64.6	71.8	73.5	74.9	77.3	77.8	78.9	79.8	80.0	81.1	81.9	82.1	82.8	83.1	83.4	83.5
≥ 16000	65.9	73.3	75.1	76.5	79.0	79.5	80.5	81.4	81.7	82.8	83.6	83.9	84.7	84.9	85.3	85.4
≥ 14000	69.0	76.9	78.9	80.4	82.9	83.5	84.5	85.4	85.7	86.8	87.6	87.9	88.7	88.9	89.3	89.4
≥ 12000	72.5	81.0	83.1	84.8	87.5	88.1	89.2	90.1	90.4	91.7	92.6	92.9	93.7	94.0	94.5	94.6
≥ 11000	74.2	83.0	85.0	86.8	89.6	90.3	91.6	92.5	92.8	94.0	95.0	95.3	96.1	96.5	96.9	97.1
≥ 10000	74.4	83.2	85.2	87.0	90.0	90.5	91.9	92.9	93.1	94.4	95.4	95.7	96.5	96.8	97.3	97.4
≥ 9000	74.9	83.8	85.9	87.7	90.6	91.2	92.5	93.6	93.8	95.1	96.1	96.4	97.3	97.6	98.0	98.2
≥ 8000	74.9	83.9	85.9	87.7	90.7	91.2	92.6	93.6	93.9	95.2	96.2	96.5	97.3	97.7	98.1	98.3
≥ 7000	75.6	84.5	86.6	88.4	91.4	91.9	93.3	94.3	94.6	95.9	97.0	97.3	98.1	98.5	98.9	99.2
≥ 6000	75.6	84.5	86.7	88.7	91.6	92.2	93.5	94.5	94.8	96.1	97.2	97.5	98.3	98.7	99.2	99.4
≥ 5000	75.6	84.5	86.7	88.7	91.6	92.2	93.5	94.5	94.8	96.1	97.2	97.5	98.3	98.7	99.2	99.4
≥ 4500	75.6	84.5	86.7	88.7	91.6	92.2	93.5	94.5	94.8	96.1	97.2	97.5	98.3	98.7	99.2	99.4
≥ 4000	75.6	84.5	86.7	88.7	91.7	92.2	93.6	94.6	94.9	96.2	97.3	97.5	98.5	98.8	99.3	99.6
≥ 3500	75.6	84.5	86.7	88.7	91.7	92.2	93.6	94.6	94.9	96.2	97.3	97.5	98.5	98.8	99.3	99.6
≥ 3000	75.6	84.5	86.7	88.7	91.7	92.2	93.6	94.6	94.9	96.2	97.3	97.5	98.5	98.8	99.3	99.6
≥ 2500	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.3	97.3	97.6	98.5	98.9	99.4	99.6
≥ 2400	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.3	97.3	97.6	98.5	98.9	99.4	99.6
≥ 2300	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.3	97.3	97.6	98.5	98.9	99.4	99.6
≥ 2200	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 2100	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 2000	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 1900	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 1800	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 1700	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 1600	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 1500	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 1400	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 1300	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 1200	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 1100	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 1000	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 900	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 800	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 700	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 600	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 500	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 400	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 300	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 200	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 100	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0
≥ 0	75.6	84.6	86.8	88.7	91.7	92.3	93.6	94.7	95.0	96.4	97.6	97.9	98.9	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1428

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416C (STATION) CHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEAR) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥5/8	≥¼	≥0
	59.6	64.5	66.6	67.7	69.3	69.5	70.2	70.5	70.7	71.2	71.5	71.6	71.9	71.9	72.1	72.2
≥20000	67.5	73.4	75.6	76.8	78.6	78.9	79.7	80.0	80.1	81.0	81.5	81.6	82.1	82.2	82.4	82.5
≥10000	67.9	73.8	76.0	77.5	79.3	79.6	80.4	80.7	80.8	81.7	82.2	82.3	82.8	82.9	83.1	83.3
≥6000	69.3	75.3	77.6	79.2	81.1	81.3	82.1	82.5	82.7	83.5	84.0	84.1	84.8	84.9	85.0	85.2
≥4000	72.3	79.0	81.3	83.0	84.9	85.2	86.0	86.4	86.5	87.4	87.9	88.0	88.6	88.7	88.9	89.0
≥2000	76.3	83.6	86.0	88.0	90.1	90.5	91.4	91.6	92.0	92.8	93.4	93.5	94.2	94.3	94.5	94.7
≥1000	78.3	85.9	88.3	90.2	92.5	92.9	93.9	94.3	94.4	95.3	95.9	96.0	96.7	96.9	97.1	97.2
≥600	78.5	86.1	88.5	90.5	92.7	93.2	94.2	94.6	94.7	95.6	96.2	96.3	97.0	97.2	97.4	97.5
≥500	78.8	86.5	89.0	91.0	93.2	93.7	94.7	95.2	95.3	96.2	96.8	96.9	97.6	97.7	97.9	98.1
≥400	78.9	86.7	89.1	91.1	93.4	93.9	94.9	95.4	95.5	96.4	97.0	97.1	97.8	97.9	98.1	98.3
≥300	79.2	87.0	89.4	91.4	93.7	94.2	95.2	95.7	95.8	96.7	97.3	97.4	98.1	98.3	98.6	98.7
≥200	79.6	87.4	89.9	92.6	94.3	94.7	95.8	96.2	96.4	97.2	97.9	97.9	98.7	98.9	99.1	99.3
≥150	79.6	87.5	90.0	92.0	94.4	94.8	95.9	96.3	96.4	97.3	97.9	98.0	98.8	98.9	99.2	99.4
≥100	79.6	87.6	90.1	92.2	94.5	94.9	96.0	96.4	96.6	97.4	98.1	98.1	98.9	99.1	99.4	99.5
≥80	79.6	87.6	90.1	92.2	94.5	94.9	96.0	96.4	96.6	97.4	98.1	98.1	98.9	99.1	99.4	99.5
≥70	79.6	87.6	90.1	92.2	94.5	94.9	96.0	96.4	96.6	97.4	98.1	98.1	98.9	99.1	99.4	99.5
≥60	79.6	87.6	90.1	92.2	94.5	94.9	96.0	96.4	96.6	97.4	98.1	98.1	98.9	99.1	99.4	99.5
≥50	79.6	87.6	90.1	92.2	94.5	94.9	96.0	96.4	96.6	97.4	98.1	98.1	98.9	99.1	99.4	99.5
≥40	79.6	87.6	90.1	92.2	94.5	94.9	96.0	96.4	96.6	97.4	98.1	98.1	98.9	99.1	99.4	99.5
≥30	79.6	87.6	90.1	92.2	94.5	94.9	96.0	96.4	96.6	97.5	98.4	98.4	99.4	99.5	99.8	99.9
≥20	79.6	87.6	90.1	92.2	94.5	94.9	96.0	96.4	96.6	97.5	98.4	98.4	99.4	99.5	99.8	99.9
≥15	79.7	87.7	90.2	92.2	94.6	95.0	96.1	96.5	96.7	97.6	98.4	98.5	99.4	99.6	99.9	100.0
≥10	79.7	87.7	90.2	92.2	94.6	95.0	96.1	96.5	96.7	97.6	98.4	98.5	99.4	99.6	99.9	100.0
≥7	79.7	87.7	90.2	92.2	94.6	95.0	96.1	96.5	96.7	97.6	98.4	98.5	99.4	99.6	99.9	100.0
≥5	79.7	87.7	90.2	92.2	94.6	95.0	96.1	96.5	96.7	97.6	98.4	98.5	99.4	99.6	99.9	100.0
≥3	79.7	87.7	90.2	92.2	94.6	95.0	96.1	96.5	96.7	97.6	98.4	98.5	99.4	99.6	99.9	100.0
≥2	79.7	87.7	90.2	92.2	94.6	95.0	96.1	96.5	96.7	97.6	98.4	98.5	99.4	99.6	99.9	100.0
≥1	79.7	87.7	90.2	92.2	94.6	95.0	96.1	96.5	96.7	97.6	98.4	98.5	99.4	99.6	99.9	100.0
0	79.7	87.7	90.2	92.2	94.6	95.0	96.1	96.5	96.7	97.6	98.4	98.5	99.4	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1404

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 DHAHRAN SAUDI ARABIA 46-61 APR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1440-2200

OBSERVATIONS

CEILING FEET	≥22000	20000	18000	16000	14000	12000	11000	10000	9000	8000	7000	6000	5000	4000	3500	3000	2500	2000	1800	1600	1400	1200	1000	900	800	700	600	500	400	300	200	100	0
22000	66.7	73.5	74.6	75.4	76.5	76.6	77.0	77.3	77.4	77.7	77.9	77.9	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
20000	72.8	80.1	81.3	82.3	83.2	83.3	83.7	84.0	84.1	84.5	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
18000	72.9	80.2	81.4	82.1	83.3	83.5	83.8	84.2	84.2	84.7	84.8	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
16000	74.0	81.4	82.7	83.5	84.7	84.9	85.3	85.6	85.7	86.1	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
14000	76.3	84.3	85.6	86.4	87.7	87.9	88.3	88.7	88.7	89.2	89.4	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
12000	79.4	88.2	89.7	90.5	91.8	91.9	92.4	92.8	92.9	93.3	93.5	93.6	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
11000	82.0	91.3	92.9	93.6	95.0	95.2	95.7	96.1	96.1	96.6	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
10000	82.1	91.4	92.9	93.7	95.1	95.2	95.7	96.1	96.2	96.7	96.8	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
9000	82.6	92.2	93.7	94.5	95.9	96.1	96.6	97.0	97.1	97.6	97.8	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
8000	82.7	92.2	93.8	94.6	96.0	96.1	96.6	97.1	97.1	97.7	97.8	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
7000	83.1	92.7	94.3	95.2	96.6	96.8	97.3	97.7	97.8	98.3	98.5	98.5	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
6000	83.5	93.2	94.9	95.8	97.2	97.3	97.8	98.2	98.3	98.9	99.0	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
5000	83.5	93.2	94.9	95.8	97.2	97.3	97.8	98.2	98.3	98.9	99.0	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
4500	83.7	93.3	95.0	95.9	97.3	97.5	98.0	98.4	98.5	99.0	99.2	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
4000	83.8	93.4	95.1	96.0	97.4	97.5	98.0	98.5	98.5	99.1	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
3500	83.8	93.5	95.2	96.1	97.5	97.6	98.1	98.5	98.6	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3000	83.8	93.5	95.2	96.1	97.5	97.6	98.1	98.5	98.6	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2500	83.8	93.5	95.2	96.1	97.5	97.6	98.1	98.5	98.6	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2200	83.8	93.5	95.2	96.1	97.5	97.6	98.1	98.5	98.6	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2000	83.8	93.5	95.2	96.1	97.5	97.6	98.1	98.5	98.6	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1800	83.8	93.5	95.2	96.1	97.5	97.6	98.1	98.5	98.6	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1700	83.8	93.5	95.2	96.1	97.5	97.6	98.1	98.5	98.6	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1600	83.8	93.5	95.2	96.1	97.5	97.6	98.1	98.5	98.6	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1500	83.8	93.5	95.2	96.1	97.5	97.6	98.1	98.5	98.6	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1400	83.8	93.5	95.2	96.1	97.5	97.6	98.1	98.5	98.6	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1300	83.8	93.5	95.2	96.1	97.5	97.6	98.1	98.5	98.6	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1200	83.8	93.6	95.2	96.1	97.5	97.7	98.2	98.6	98.7	99.2	99.4	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1100	83.8	93.6	95.3	96.2	97.6	97.8	98.2	98.7	98.7	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1000	83.8	93.6	95.3	96.2	97.6	97.8	98.2	98.7	98.7	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
900	83.8	93.6	95.3	96.2	97.6	97.8	98.2	98.7	98.7	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
800	83.8	93.6	95.3	96.2	97.6	97.8	98.2	98.7	98.7	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
700	83.8	93.6	95.3	96.2	97.6	97.8	98.2	98.7	98.7	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
600	83.8	93.6	95.3	96.2	97.6	97.8	98.2	98.7	98.7	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
500	83.8	93.6	95.3	96.2	97.6	97.8	98.2	98.7	98.7	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
400	83.8	93.6	95.3	96.2	97.6	97.8	98.2	98.7	98.7	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
300	83.8	93.6	95.3	96.2	97.6	97.8	98.2	98.7	98.7	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
200	83.8	93.6	95.3	96.2	97.6	97.8	98.2	98.7	98.7	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
100	83.8	93.6	95.3	96.2	97.6	97.8	98.2	98.7	98.7	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0	83.8	93.6	95.3	96.2	97.6	97.8	98.2	98.7	98.7	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1428

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404160 DHAHRAN SAUDI ARABIA 46-61 APR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-2300

VISIBILITY IN STATUTE MILES

CEILING IN FEET	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0
≥ 22000	73.3	78.7	80.3	80.7	80.8	81.1	81.4	81.6	81.6	81.8	81.9	81.9	82.0	82.2	82.2	82.2
≥ 20000	77.0	82.4	84.0	84.4	84.5	84.8	85.1	85.3	85.3	85.7	85.8	85.8	85.8	85.9	86.1	86.1	86.1	86.1
≥ 18000	77.3	82.7	84.3	84.7	84.8	85.1	85.4	85.6	85.6	86.0	86.1	86.1	86.2	86.4	86.4	86.4
≥ 16000	78.6	84.2	85.8	86.2	86.4	86.6	86.9	87.1	87.1	87.5	87.6	87.6	87.7	87.9	87.9	87.9
≥ 14000	80.2	86.4	88.0	88.4	88.6	88.8	89.2	89.4	89.4	89.8	89.8	89.8	90.0	90.2	90.2	90.2
≥ 12000	83.1	90.3	91.9	92.3	92.4	92.7	93.0	93.3	93.3	93.7	93.8	93.8	93.9	94.1	94.1	94.1
≥ 10000	85.3	93.3	94.8	95.2	95.4	95.6	96.0	96.2	96.2	96.7	96.7	96.7	96.9	97.0	97.0	97.0
≥ 9000	85.5	93.6	95.2	95.6	95.8	96.0	96.4	96.6	96.6	97.0	97.1	97.1	97.2	97.4	97.4	97.4
≥ 8000	85.8	94.5	96.1	96.5	96.7	97.0	97.4	97.7	97.7	98.1	98.2	98.2	98.3	98.5	98.5	98.5
≥ 7000	85.8	94.6	96.3	96.7	96.9	97.1	97.6	97.8	97.8	98.3	98.3	98.3	98.5	98.6	98.6	98.6
≥ 6000	86.2	95.1	96.7	97.1	97.3	97.6	98.0	98.3	98.3	98.7	98.8	98.8	98.9	99.1	99.1	99.1
≥ 5000	86.4	95.3	97.0	97.3	97.6	97.8	98.3	98.5	98.5	98.9	99.0	99.0	99.2	99.3	99.3	99.3
≥ 4500	86.6	95.5	97.1	97.5	97.7	98.0	98.4	98.6	98.6	99.1	99.2	99.2	99.3	99.5	99.5	99.5
≥ 4000	87.0	95.8	97.5	97.9	98.1	98.3	98.8	99.0	99.0	99.5	99.5	99.5	99.7	99.8	99.8	99.8
≥ 3500	87.0	95.8	97.5	97.9	98.1	98.3	98.8	99.0	99.0	99.5	99.5	99.5	99.7	99.8	99.8	99.8
≥ 3000	87.0	95.8	97.5	97.9	98.1	98.3	98.8	99.0	99.0	99.5	99.5	99.5	99.7	99.8	99.8	99.8
≥ 2500	87.0	95.8	97.5	97.9	98.1	98.3	98.8	99.0	99.0	99.5	99.5	99.5	99.7	99.8	99.8	99.8
≥ 2000	87.0	95.8	97.5	97.9	98.1	98.3	98.8	99.0	99.0	99.5	99.5	99.5	99.7	99.8	99.8	99.8
≥ 1800	87.0	95.8	97.5	97.9	98.1	98.3	98.8	99.0	99.0	99.5	99.5	99.5	99.7	99.8	99.8	99.8
≥ 1500	87.0	95.8	97.5	97.9	98.1	98.3	98.8	99.0	99.0	99.5	99.5	99.5	99.7	99.8	99.8	99.8
≥ 1200	87.0	95.8	97.5	97.9	98.1	98.3	98.8	99.0	99.0	99.5	99.5	99.5	99.7	99.8	99.8	99.8
≥ 1000	87.0	95.8	97.5	97.9	98.1	98.3	98.8	99.0	99.0	99.5	99.5	99.5	99.7	99.8	99.8	99.8
≥ 900	87.0	95.8	97.5	97.9	98.1	98.3	98.8	99.0	99.0	99.5	99.5	99.5	99.7	99.8	99.8	99.8
≥ 800	87.0	95.8	97.5	97.9	98.1	98.3	98.8	99.0	99.0	99.5	99.5	99.5	99.7	99.8	99.8	99.8
≥ 700	87.0	95.8	97.5	97.9	98.1	98.3	98.8	99.0	99.0	99.5	99.5	99.5	99.7	99.8	99.8	99.8
≥ 600	87.0	95.8	97.5	97.9	98.1	98.3	98.8	99.0	99.0	99.5	99.5	99.5	99.7	99.8	99.8	99.8
≥ 500	87.0	96.0	97.7	98.0	98.3	98.5	98.9	99.2	99.2	99.6	99.7	99.7	99.8	100.0	100.0	100.0
≥ 400	87.0	96.0	97.7	98.0	98.3	98.5	98.9	99.2	99.2	99.6	99.7	99.7	99.8	100.0	100.0	100.0
≥ 300	87.0	96.0	97.7	98.0	98.3	98.5	98.9	99.2	99.2	99.6	99.7	99.7	99.8	100.0	100.0	100.0
≥ 200	87.0	96.0	97.7	98.0	98.3	98.5	98.9	99.2	99.2	99.6	99.7	99.7	99.8	100.0	100.0	100.0
≥ 100	87.0	96.0	97.7	98.0	98.3	98.5	98.9	99.2	99.2	99.6	99.7	99.7	99.8	100.0	100.0	100.0
≥ 0	87.0	96.0	97.7	98.0	98.3	98.5	98.9	99.2	99.2	99.6	99.7	99.7	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1320

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416 DHAHRAN SAUDI ARABIA 46-61 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	9	8	7	6	5	4	3½	3	2½	2	1½	1	½	¼	0
≥22000	65.0	70.6	72.1	73.0	74.2	74.6	75.1	75.5	75.5	76.0	76.3	76.4	76.6	76.7	76.8	76.9
22000	69.9	76.1	77.3	78.6	82.0	80.4	80.9	81.4	81.4	82.0	82.4	82.4	82.8	82.9	83.0	83.1
20000	70.4	76.6	78.3	79.2	80.6	81.0	81.5	82.0	82.1	82.6	83.0	83.1	83.4	83.5	83.7	83.7
18000	71.7	78.1	79.9	80.8	82.2	82.6	83.2	83.7	83.7	84.3	84.7	84.8	85.2	85.3	85.4	85.5
16000	74.5	81.4	83.2	84.2	85.6	86.0	86.6	87.1	87.2	87.8	88.2	88.2	88.6	88.8	88.9	89.0
14000	76.1	85.7	87.6	88.7	90.2	90.7	91.4	91.9	92.0	92.6	93.0	93.1	93.5	93.7	93.8	93.9
12000	80.5	88.6	90.5	91.6	93.3	93.7	94.5	95.0	95.1	95.7	96.1	96.2	96.6	96.8	97.0	97.0
10000	80.9	89.0	90.9	92.1	93.7	94.2	94.9	95.5	95.5	96.2	96.6	96.7	97.1	97.3	97.4	97.5
9000	81.4	89.6	91.6	92.8	94.5	94.9	95.7	96.2	96.3	97.0	97.4	97.5	97.9	98.1	98.2	98.3
8000	81.5	89.8	91.7	92.9	94.6	95.1	95.9	96.4	96.5	97.2	97.6	97.7	98.1	98.3	98.4	98.5
7000	81.7	90.1	92.1	93.3	95.1	95.5	96.3	96.8	96.9	97.6	98.0	98.1	98.5	98.7	98.9	99.0
6000	81.9	90.4	92.4	93.6	95.4	95.8	96.6	97.2	97.2	97.9	98.3	98.4	98.9	99.0	99.2	99.3
5000	82.0	90.4	92.4	93.6	95.4	95.8	96.6	97.2	97.3	97.9	98.4	98.5	98.9	99.1	99.2	99.3
4500	82.1	90.5	92.6	93.8	95.5	96.0	96.8	97.3	97.4	98.1	98.5	98.6	99.0	99.2	99.4	99.5
4000	82.1	90.6	92.6	93.8	95.6	96.0	96.8	97.4	97.4	98.1	98.6	98.6	99.1	99.3	99.4	99.5
3500	82.1	90.6	92.6	93.8	95.6	96.1	96.9	97.4	97.5	98.2	98.6	98.7	99.1	99.3	99.5	99.6
3000	82.1	90.6	92.6	93.9	95.6	96.1	96.9	97.4	97.5	98.2	98.6	98.7	99.2	99.3	99.5	99.6
2500	82.1	90.6	92.6	93.9	95.7	96.1	96.9	97.4	97.5	98.2	98.7	98.7	99.2	99.4	99.5	99.6
2000	82.2	90.7	92.7	93.9	95.7	96.1	96.9	97.5	97.5	98.3	98.7	98.8	99.2	99.4	99.6	99.7
1800	82.2	90.7	92.7	93.9	95.7	96.1	96.9	97.5	97.5	98.3	98.7	98.8	99.2	99.4	99.6	99.7
1600	82.2	90.7	92.7	93.9	95.7	96.2	97.0	97.5	97.6	98.3	98.7	98.8	99.2	99.4	99.6	99.7
1400	82.2	90.7	92.7	93.9	95.7	96.2	97.0	97.5	97.6	98.3	98.9	98.9	99.4	99.6	99.8	99.9
1200	82.2	90.7	92.7	93.9	95.7	96.2	97.0	97.5	97.6	98.3	98.9	98.9	99.4	99.6	99.8	99.9
1000	82.2	90.7	92.7	93.9	95.7	96.2	97.0	97.5	97.6	98.3	98.9	98.9	99.4	99.6	99.8	99.9
900	82.2	90.8	92.8	94.0	95.8	96.2	97.0	97.6	97.7	98.4	98.9	99.0	99.5	99.7	99.8	99.9
800	82.2	90.8	92.8	94.0	95.8	96.2	97.0	97.6	97.7	98.4	98.9	99.0	99.5	99.7	99.8	100.0
700	82.2	90.8	92.8	94.0	95.8	96.3	97.1	97.6	97.7	98.4	98.9	99.0	99.5	99.7	99.9	100.0
600	82.2	90.8	92.8	94.0	95.8	96.3	97.1	97.6	97.7	98.4	98.9	99.0	99.5	99.7	99.9	100.0
500	82.2	90.8	92.8	94.0	95.8	96.3	97.1	97.6	97.7	98.4	98.9	99.0	99.5	99.7	99.9	100.0
400	82.2	90.8	92.8	94.0	95.8	96.3	97.1	97.6	97.7	98.4	98.9	99.0	99.5	99.7	99.9	100.0
300	82.2	90.8	92.8	94.0	95.8	96.3	97.1	97.6	97.7	98.4	98.9	99.0	99.5	99.7	99.9	100.0
200	82.2	90.8	92.8	94.0	95.8	96.3	97.1	97.6	97.7	98.4	98.9	99.0	99.5	99.7	99.9	100.0
100	82.2	90.8	92.8	94.0	95.8	96.3	97.1	97.6	97.7	98.4	98.9	99.0	99.5	99.7	99.9	100.0
0	82.2	90.8	92.8	94.0	95.8	96.3	97.1	97.6	97.7	98.4	98.9	99.0	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 10,912

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41650 DHAHRAN SAUDI ARABIA 46-61 MAY
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0300-0600

CEILING (FEET)	≥ 0	≥ 200	≥ 400	≥ 600	≥ 800	≥ 1000	≥ 1500	≥ 2000	≥ 3000	≥ 4000	≥ 5000	≥ 6000	≥ 8000	≥ 10000	≥ 15000	≥ 20000
0	71.3	79.6	82.6	84.5	86.2	86.9	87.6	87.9	87.9	88.1	88.4	88.4	88.4	88.5	88.5	88.5
200	73.3	81.3	84.3	86.2	87.9	88.7	89.4	89.6	89.6	89.9	90.2	90.2	90.2	90.4	90.4	90.4
400	74.3	82.5	85.5	87.3	89.0	89.9	90.5	90.8	90.9	91.1	91.4	91.4	91.4	91.5	91.5	91.5
600	74.8	83.2	86.2	88.1	89.8	90.6	91.3	91.5	91.5	91.9	92.2	92.2	92.2	92.3	92.3	92.3
800	76.6	85.2	88.2	90.5	92.2	93.0	93.8	94.0	94.0	94.3	94.6	94.6	94.6	94.8	94.8	94.8
1000	77.8	86.5	89.6	91.9	93.6	94.5	95.3	95.6	95.6	95.9	96.2	96.2	96.2	96.4	96.4	96.4
1500	79.5	88.5	91.6	94.0	95.8	96.7	97.5	97.8	97.8	98.2	98.5	98.5	98.5	98.6	98.6	98.6
2000	79.5	88.5	91.6	94.0	95.8	96.7	97.5	97.8	97.8	98.2	98.5	98.5	98.5	98.6	98.6	98.6
3000	79.6	89.0	92.2	94.6	96.6	97.5	98.5	98.8	98.8	99.2	99.5	99.5	99.5	99.6	99.6	99.6
4000	79.6	89.0	92.2	94.6	96.6	97.5	98.5	98.8	98.8	99.2	99.5	99.5	99.5	99.6	99.6	99.6
5000	79.7	89.2	92.4	94.8	96.8	97.7	98.6	98.9	98.9	99.3	99.6	99.6	99.6	99.8	99.8	99.8
6000	79.7	89.2	92.4	94.8	96.8	97.7	98.6	98.9	98.9	99.3	99.7	99.7	99.7	99.8	99.8	99.8
8000	79.7	89.2	92.4	94.8	96.8	97.7	98.6	98.9	98.9	99.3	99.7	99.7	99.7	99.8	99.8	99.8
10000	79.7	89.2	92.4	94.8	96.8	97.7	98.6	98.9	98.9	99.3	99.7	99.7	99.7	99.8	99.8	99.8
15000	79.7	89.2	92.4	94.8	96.8	97.7	98.6	98.9	98.9	99.3	99.7	99.7	99.7	99.8	99.8	99.8
20000	79.7	89.2	92.4	94.8	96.8	97.7	98.6	98.9	98.9	99.3	99.7	99.7	99.7	99.8	99.8	99.8
22000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
25000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
30000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
35000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
40000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
45000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
50000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
55000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
60000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
65000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
70000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
75000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
80000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
85000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
90000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
95000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9
100000	79.7	89.2	92.5	94.9	96.8	97.8	98.7	99.0	99.0	99.4	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1271

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 4160 DHAHRAN SAUDI ARABIA 4?-61 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

66.2	75.7	79.3	81.3	83.7	84.6	85.8	86.2	86.7	86.9	87.5	87.6	87.8	87.9	87.9	88.0
67.1	77.5	80.2	82.1	84.6	85.5	86.6	87.0	87.1	87.8	88.6	88.7	88.9	88.9	89.0	89.1
67.6	78.0	80.7	82.6	85.1	86.0	87.2	87.6	87.6	88.3	89.1	89.2	89.5	89.6	89.6	89.7
68.4	79.0	81.7	83.6	86.1	87.0	88.2	88.6	88.6	89.3	90.1	90.2	90.5	90.6	90.6	90.7
71.2	82.1	84.9	86.8	89.3	90.2	91.4	91.6	91.9	92.5	93.3	93.5	93.9	94.0	94.1	94.2
73.3	84.4	87.2	89.2	91.8	92.9	94.0	94.4	94.5	95.2	95.9	96.1	96.5	96.6	96.7	96.8
74.9	86.6	89.3	91.3	93.9	95.0	96.2	96.5	96.6	97.3	98.1	98.2	98.7	98.8	98.9	98.9
75.0	86.7	89.5	91.5	94.1	95.2	96.3	96.7	96.8	97.5	98.2	98.4	98.8	98.9	99.0	99.1
75.3	87.3	90.0	92.0	94.6	95.7	96.9	97.2	97.3	98.0	98.8	98.9	99.4	99.5	99.5	99.6
75.3	87.3	90.0	92.0	94.6	95.7	96.9	97.2	97.3	98.0	98.8	98.9	99.4	99.5	99.5	99.6
75.3	87.3	90.0	92.0	94.6	95.7	96.9	97.2	97.3	98.0	98.8	98.9	99.4	99.5	99.5	99.6
75.5	87.4	90.2	92.2	94.8	95.9	97.0	97.4	97.5	98.2	98.9	99.1	99.5	99.6	99.7	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	99.8
75.6	87.5	90.2	92.2	94.9	95.9	97.1	97.5	97.5	98.2	99.0	99.2	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1302

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41[illegible] DHAHRAN SAUDI ARABIA 46-61 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]-0800

CEILING (HUNDREDS OF FEET)	VISIBILITY (STATUTE MILES)															
	[illegible]	20	[illegible]	24	[illegible]	[illegible]	[illegible]	3	[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	57.8	67.9	71.[illegible]	72.9	76.2	77.3	79.[illegible]	80.2	80.[illegible]	81.6	82.[illegible]	83.2	8[illegible].4	8[illegible].[illegible]	[illegible]3.5	83.6
[illegible]	60.8	71.1	74.2	76.2	79.5	80.6	82.3	83.5	83.8	85.[illegible]	86.[illegible]	86.6	86.9	8[illegible].[illegible]	87.[illegible]	87.[illegible]
[illegible]	61.3	71.6	74.8	76.8	80.1	81.3	82.9	84.2	84.4	85.6	86.9	87.3	87.5	87.6	[illegible]7.7	87.7
[illegible]	62.9	73.6	76.7	78.8	82.1	83.2	84.9	86.1	86.4	87.5	88.9	89.3	89.6	89.6	89.7	89.7
[illegible]	64.9	75.8	79.[illegible]	81.1	84.4	85.6	87.4	88.8	89.1	90.2	91.6	91.9	92.3	92.4	92.4	92.4
[illegible]	66.7	78.[illegible]	81.3	83.4	86.8	88.0	89.9	91.3	91.6	92.7	94.1	94.5	95.0	95.[illegible]	95.1	95.1
[illegible]	68.6	80.1	83.7	86.1	89.5	90.7	92.7	94.1	94.4	95.5	97.[illegible]	97.3	97.9	98.[illegible]	98.1	98.1
[illegible]	68.9	80.6	84.2	86.6	90.[illegible]	91.2	93.2	94.6	94.9	96.[illegible]	97.5	97.8	98.4	98.5	98.6	98.6
[illegible]	69.3	81.0	84.7	87.0	90.4	91.6	93.7	95.0	95.3	96.5	97.9	98.3	98.8	98.9	99.1	99.1
[illegible]	69.5	81.4	85.1	87.5	90.9	92.1	94.1	95.5	95.9	96.9	98.3	98.7	99.3	99.4	99.5	99.5
[illegible]	69.9	81.7	85.4	87.8	91.1	92.4	94.4	95.8	96.[illegible]	97.2	98.6	99.[illegible]	99.6	99.[illegible]	99.8	99.8
[illegible]	69.8	81.7	85.4	87.8	91.1	92.4	94.4	95.8	96.[illegible]	97.2	98.6	99.[illegible]	99.6	99.[illegible]	99.8	99.8
[illegible]	69.8	81.7	85.4	87.8	91.1	92.4	94.4	95.8	96.[illegible]	97.2	98.6	99.[illegible]	99.6	99.6	99.8	99.8
[illegible]	69.8	81.7	85.4	87.8	91.1	92.4	94.4	95.8	96.0	97.2	98.6	99.[illegible]	99.6	99.6	99.8	99.8
[illegible]	69.8	81.7	85.4	87.8	91.1	92.4	94.4	95.8	96.0	97.2	98.6	99.0	99.6	99.6	99.8	99.8
[illegible]	69.8	81.7	85.4	87.8	91.1	92.4	94.4	95.8	96.0	97.2	98.6	99.0	99.6	99.6	99.8	99.8
[illegible]	69.8	81.7	85.4	87.8	91.1	92.4	94.4	95.8	96.0	97.2	98.6	99.0	99.6	99.6	99.8	99.8
[illegible]	69.8	81.7	85.4	87.8	91.1	92.4	94.4	95.8	96.0	97.2	98.6	99.0	99.6	99.6	99.8	99.8
[illegible]	69.8	81.7	85.4	87.8	91.1	92.4	94.4	95.8	96.0	97.2	98.6	99.0	99.6	99.6	99.8	99.8
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.7	99.1	99.6	99.7	99.9	99.9
[illegible]	69.8	81.7	85.5	87.8	91.2	92.4	94.5	95.8	96.1	97.3	98.8	99.2	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1389

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 4160 DHAHRAN SAUDI ARABIA 46-61 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

	52.1	53.3	66.1	68.6	77.6	75.2	78.2	79.7	79.9	81.6	82.4	82.6	83.8	84.3	84.8	84.
	55.9	67.4	77.4	73.2	77.0	79.8	82.8	84.2	84.4	86.3	87.1	87.3	88.5	89.	89.5	89.
	56.2	68.0	71.0	73.8	77.6	80.4	83.4	84.9	85.1	86.9	87.7	87.9	89.2	89.7	90.1	90.
	57.8	70.0	73.0	75.7	79.5	82.3	85.4	87.0	87.7	89.2	90.1	90.3	91.6	92.1	92.5	92.
	58.9	71.4	74.5	77.5	81.3	84.1	87.3	88.9	89.7	91.1	92.0	92.3	93.5	94.	94.5	94.
	60.0	72.6	76.1	79.2	83.4	86.2	89.4	91.0	91.8	93.2	94.2	94.4	95.7	96.2	96.7	96.
	61.1	74.5	77.9	81.0	85.3	88.2	91.3	93.0	93.4	95.3	96.3	96.6	98.0	98.5	98.9	98.
	61.3	74.8	78.2	81.3	85.6	88.5	91.6	93.3	93.7	95.6	96.6	96.8	98.2	98.7	99.1	99.
	61.5	75.1	78.5	81.6	85.9	88.7	91.9	93.6	93.9	95.8	96.9	97.1	98.5	99.	99.5	99.
	61.7	75.3	78.7	81.8	86.1	89.0	92.1	93.8	94.2	96.1	97.1	97.3	98.7	99.2	99.7	99.
	61.7	75.4	78.7	81.8	86.1	89.0	92.2	93.9	94.2	96.1	97.2	97.4	98.8	99.3	99.8	99.
	61.7	75.4	78.7	81.8	86.1	89.0	92.2	93.9	94.2	96.1	97.2	97.4	98.8	99.3	99.8	99.
	61.7	75.4	78.7	81.8	86.1	89.0	92.2	93.9	94.2	96.1	97.2	97.4	98.8	99.3	99.8	99.
	61.3	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.5	98.9	99.4	99.9	99.
	61.3	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.5	98.9	99.4	99.9	99.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.5	98.9	99.4	99.9	99.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.5	98.9	99.4	99.9	99.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.6	99.0	99.5	100.0	100.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.6	99.0	99.5	100.0	100.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.6	99.0	99.5	100.0	100.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.6	99.0	99.5	100.0	100.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.6	99.0	99.5	100.0	100.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.6	99.0	99.5	100.0	100.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.6	99.0	99.5	100.0	100.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.6	99.0	99.5	100.0	100.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.6	99.0	99.5	100.0	100.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.6	99.0	99.5	100.0	100.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.6	99.0	99.5	100.0	100.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.6	99.0	99.5	100.0	100.
	61.8	75.4	78.8	81.9	86.2	89.1	92.3	93.9	94.3	96.2	97.3	97.6	99.0	99.5	100.0	100.

TOTAL NUMBER OF OBSERVATIONS 1421

USAF ETAC 0-14-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 41 [illegible] DHAHRAN SAUDI ARABIA 46-61 [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC [illegible] 0-14-5 (OL-A) PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 41 60 — CHAHRAN SAUDI ARA-IA — 46-61 — MAY

STATION NAME — YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1[illegible]-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	20	16	12	10	8	6	5	4	3	2½	2	1½	1	¾	½	¼
22000 +	59.7	69.7	73.1	75.6	79.3	81.1	82.4	83.2	83.4	84.2	85.2	85.2	85.8	86.2	86.5	86.7
20000	64.2	74.3	77.8	80.5	84.6	86.4	87.9	88.6	88.8	89.5	90.7	90.7	91.6	91.7	92.3	92.4
18000	64.5	74.6	78.2	80.9	85.0	86.7	88.2	89.0	89.2	90.1	91.1	91.1	91.9	92.1	92.6	92.8
16000	65.1	75.5	79.[illegible]	81.9	86.1	87.9	89.6	90.3	90.5	91.4	92.4	92.4	93.3	93.4	94.0	94.1
14000	66.6	77.3	80.9	83.8	88.1	89.9	91.5	92.3	92.5	93.4	94.4	94.4	95.2	95.4	95.9	96.1
12000	67.2	78.1	81.7	84.6	89.0	90.8	92.4	93.2	93.4	94.3	95.4	95.4	96.2	96.4	96.9	97.[illegible]
10000	68.5	79.7	83.4	86.5	91.0	92.8	94.4	95.2	95.4	96.4	97.4	97.4	98.2	98.5	99.[illegible]	99.2
9000	68.6	79.8	83.5	86.5	91.1	92.9	94.5	95.3	95.5	96.5	97.5	97.5	98.4	98.6	99.2	99.3
8000	68.7	79.9	83.5	86.6	91.2	93.0	94.7	95.5	95.7	96.7	97.8	97.8	98.6	98.8	99.4	99.5
7000	68.8	80.0	83.7	86.7	91.3	93.1	94.9	95.7	95.9	96.8	97.9	97.9	98.7	98.9	99.5	99.6
6000	68.9	80.1	83.7	86.8	91.4	93.2	95.0	95.7	95.9	96.9	98.0	98.0	98.8	99.0	99.6	99.7
5000	68.9	80.1	83.7	86.8	91.4	93.2	95.0	95.7	95.9	96.9	98.0	98.0	98.8	99.[illegible]	99.6	99.8
4500	68.9	80.1	83.7	86.8	91.4	93.2	95.0	95.7	95.9	96.9	98.0	98.0	98.8	99.0	99.6	99.8
4000	68.9	80.1	83.7	86.8	91.4	93.2	95.0	95.7	95.9	96.9	98.0	98.0	98.8	99.0	99.6	99.8
3500	68.9	80.1	83.7	86.8	91.4	93.2	95.0	95.7	95.9	96.9	98.0	98.0	98.8	99.0	99.6	99.8
3000	68.9	80.1	83.7	86.8	91.4	93.2	95.0	95.7	95.9	96.9	98.0	98.0	98.8	99.[illegible]	99.6	99.8
2500	68.9	80.1	83.7	86.8	91.4	93.2	95.0	95.7	95.9	96.9	98.0	98.0	98.8	99.0	99.6	99.8
2000	68.9	80.1	83.7	86.8	91.4	93.2	95.0	95.7	95.9	96.9	98.0	98.0	98.8	99.0	99.6	99.8
1800	68.9	80.1	83.7	86.8	91.4	93.2	95.0	95.7	95.9	96.9	98.0	98.0	98.8	99.0	99.6	99.8
1600	68.9	80.1	83.7	86.8	91.4	93.2	95.0	95.7	95.9	96.9	98.0	98.0	98.8	99.0	99.6	99.8
1400	68.9	80.1	83.7	86.8	91.4	93.3	95.0	95.8	96.0	97.0	98.0	98.0	98.9	99.1	99.6	99.9
1200	68.9	80.1	83.7	86.8	91.4	93.3	95.0	95.8	96.0	97.0	98.0	98.0	98.9	99.1	99.6	99.9
1000	68.9	80.1	83.7	86.8	91.4	93.3	95.0	95.8	96.0	97.0	98.0	98.0	98.9	99.1	99.6	99.9
900	68.9	80.1	83.7	86.8	91.4	93.3	95.0	95.8	96.0	97.0	98.0	98.0	98.9	99.1	99.6	99.9
800	68.9	80.1	83.7	86.8	91.4	93.3	95.0	95.8	96.0	97.0	98.0	98.0	98.9	99.1	99.6	99.9
700	68.9	80.1	83.7	86.8	91.4	93.3	95.0	95.8	96.0	97.0	98.0	98.0	98.9	99.1	99.6	99.9
600	68.9	80.1	83.7	86.8	91.4	93.3	95.0	95.8	96.0	97.0	98.0	98.0	98.9	99.2	99.7	99.9
500	68.9	80.1	83.7	86.8	91.4	93.3	95.0	95.8	96.0	97.0	98.0	98.0	98.9	99.2	99.7	99.9
400	68.9	80.1	83.7	86.8	91.4	93.3	95.0	95.8	96.0	97.0	98.0	98.0	98.9	99.2	99.7	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 1426

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 41 DHAHRAN SAUDI ARABIA 46-61 MAY
(STATION) (STATION NAME) (YEARS) (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0			
	68.7	77.6	79.9	81.4	83.5	84.8	85.6	85.8	85.8	86.1	86.3	86.5	87.0	87.2	87.2	87.2
	72.7	82.1	84.7	86.3	88.4	89.7	90.7	90.9	90.9	91.1	91.4	91.5	92.0	92.2	92.3	92.3
	73.1	82.5	85.1	86.7	88.9	90.1	91.1	91.3	91.3	91.5	91.8	91.9	92.4	92.6	92.7	92.7
	73.4	83.0	85.8	87.4	89.6	90.8	91.8	92.0	92.0	92.2	92.5	92.6	93.1	93.3	93.4	93.4
	74.6	84.9	87.7	89.2	91.4	92.6	93.6	93.8	93.8	94.0	94.3	94.5	95.0	95.2	95.2	95.2
	75.1	85.6	88.6	90.3	92.6	93.8	94.8	95.2	95.2	95.4	95.7	95.8	96.3	96.5	96.6	96.6
	76.7	87.2	90.2	92.0	94.3	95.6	96.6	96.9	96.9	97.1	97.4	97.5	98.0	98.2	98.3	98.3
	76.7	87.2	90.2	92.0	94.3	95.6	96.6	97.0	97.2	97.2	97.5	97.6	98.2	98.4	98.5	98.5
	76.9	87.5	90.5	92.3	94.6	95.9	96.9	97.3	97.3	97.5	97.8	97.9	98.5	98.7	98.7	98.7
	76.9	87.5	90.5	92.3	94.6	95.9	96.9	97.3	97.3	97.5	97.8	97.9	98.5	98.7	98.7	98.7
	77.0	87.7	90.7	92.5	94.8	96.1	97.1	97.5	97.5	97.7	98.0	98.1	98.7	98.9	98.9	98.9
	77.2	88.0	91.0	92.8	95.1	96.4	97.4	97.8	97.8	98.0	98.2	98.4	98.9	99.2	99.2	99.2
	77.3	88.2	91.1	92.9	95.2	96.5	97.5	97.9	97.9	98.1	98.4	98.5	99.1	99.3	99.4	99.4
	77.6	88.6	91.5	93.3	95.7	96.9	98.0	98.3	98.3	98.5	98.8	98.9	99.5	99.7	99.8	99.8
	77.6	88.6	91.5	93.3	95.7	96.9	98.0	98.3	98.3	98.5	98.8	98.9	99.5	99.7	99.8	99.8
	77.6	88.6	91.5	93.3	95.7	97.0	98.1	98.5	98.5	98.7	98.9	99.1	99.6	99.9	99.9	99.9
	77.6	88.6	91.5	93.3	95.7	97.0	98.1	98.5	98.5	98.7	98.9	99.1	99.6	99.9	99.9	99.9
	77.6	88.6	91.5	93.3	95.7	97.0	98.1	98.5	98.5	98.7	98.9	99.1	99.6	99.9	99.9	99.9
	77.6	88.6	91.5	93.3	95.7	97.0	98.1	98.5	98.5	98.7	98.9	99.1	99.6	99.9	99.9	99.9
	77.6	88.6	91.5	93.3	95.7	97.0	98.1	98.5	98.5	98.7	98.9	99.1	99.6	99.9	99.9	99.9
	77.6	88.6	91.5	93.3	95.8	97.1	98.2	98.5	98.5	98.7	99.0	99.2	99.7	99.9	100.0	100.0
	77.6	88.6	91.5	93.3	95.8	97.1	98.2	98.5	98.5	98.7	99.0	99.2	99.7	99.9	100.0	100.0
	77.6	88.6	91.5	93.3	95.8	97.1	98.2	98.5	98.5	98.7	99.0	99.2	99.7	99.9	100.0	100.0
	77.6	88.6	91.5	93.3	95.8	97.1	98.2	98.5	98.5	98.7	99.0	99.2	99.7	99.9	100.0	100.0
	77.6	88.6	91.5	93.3	95.8	97.1	98.2	98.5	98.5	98.7	99.0	99.2	99.7	99.9	100.0	100.0
	77.6	88.6	91.5	93.3	95.8	97.1	98.2	98.5	98.5	98.7	99.0	99.2	99.7	99.9	100.0	100.0
	77.6	88.6	91.5	93.3	95.8	97.1	98.2	98.5	98.5	98.7	99.0	99.2	99.7	99.9	100.0	100.0
	77.6	88.6	91.5	93.3	95.8	97.1	98.2	98.5	98.5	98.7	99.0	99.2	99.7	99.9	100.0	100.0
	77.6	88.6	91.5	93.3	95.8	97.1	98.2	98.5	98.5	98.7	99.0	99.2	99.7	99.9	100.0	100.0
	77.6	88.6	91.5	93.3	95.8	97.1	98.2	98.5	98.5	98.7	99.0	99.2	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1427

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 STATION — DHAHRAN SAUDI ARABIA STATION NAME — 41-61 YEARS — MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0100-2300 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼
NO CEILING	72.3	81.3	83.2	84.5	86.9	87.6	88.0	88.2	88.2	88.6	88.7	88.8	89.1	89.1	89.1	89.1
20000	74.6	84.3	86.4	87.6	90.0	90.8	91.2	91.3	91.3	91.7	91.9	91.9	92.2	92.2	92.2	92.2
15000	75.7	85.3	87.4	88.6	91.1	91.8	92.2	92.4	92.4	92.7	92.9	93.0	93.3	93.3	93.3	93.3
10000	75.9	85.6	87.6	88.9	91.3	92.0	92.4	92.6	92.6	93.0	93.1	93.2	93.5	93.5	93.5	93.5
9000	77.8	87.9	90.0	91.2	93.7	94.4	94.9	95.0	95.0	95.4	95.5	95.6	95.9	95.9	95.9	95.9
8000	78.9	89.7	91.8	93.0	95.7	96.4	96.8	97.0	97.0	97.4	97.6	97.7	97.9	97.9	97.9	97.9
7000	80.1	91.0	93.0	94.4	97.0	97.7	98.2	98.3	98.3	98.8	99.0	99.0	99.3	99.3	99.3	99.3
6000	80.1	91.0	93.0	94.4	97.0	97.7	98.2	98.3	98.3	98.8	99.0	99.0	99.3	99.3	99.3	99.3
5000	80.1	91.2	93.3	94.6	97.2	97.9	98.4	98.5	98.5	99.0	99.2	99.3	99.6	99.6	99.6	99.6
4500	80.1	91.2	93.3	94.6	97.2	97.9	98.4	98.5	98.5	99.0	99.2	99.3	99.6	99.6	99.6	99.6
4000	80.1	91.2	93.3	94.6	97.2	97.9	98.4	98.5	98.5	99.0	99.2	99.3	99.6	99.6	99.6	99.6
3500	80.1	91.3	93.4	94.7	97.4	98.1	98.5	98.7	98.7	99.2	99.3	99.4	99.7	99.7	99.7	99.7
3000	80.1	91.3	93.4	94.7	97.4	98.1	98.5	98.7	98.7	99.2	99.3	99.4	99.7	99.7	99.7	99.7
2500	80.1	91.3	93.4	94.7	97.4	98.1	98.5	98.7	98.7	99.2	99.3	99.4	99.7	99.7	99.7	99.7
2000	80.1	91.3	93.4	94.7	97.4	98.1	98.5	98.7	98.7	99.2	99.3	99.4	99.7	99.7	99.7	99.7
1800	80.1	91.4	93.5	94.8	97.4	98.2	98.6	98.8	98.8	99.3	99.4	99.5	99.8	99.8	99.8	99.8
1600	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0
1400	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0
1200	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0
1000	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0
900	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0
800	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0
700	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0
600	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0
500	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0
400	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0
300	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0
200	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0
100	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0
0	80.2	91.6	93.7	95.0	97.7	98.4	98.8	99.0	99.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1364

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4.41 5C DHAHRAN SAUDI ARABIA 46-61 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	≥10	10	7	5	4	3½	3	2½	2	1½	1¼	1	⅞	½	¼	0
≥ 22000	62.4	72.2	75.1	77.1	80.2	81.6	83.1	83.7	83.9	84.7	85.3	85.5	86.0	86.3	86.5	86.5
22000	65.4	75.6	78.5	80.6	83.8	85.2	86.7	87.4	87.6	88.4	89.1	89.3	89.9	90.1	90.3	90.3
≥ 18000	66.0	76.2	79.2	81.3	84.5	85.9	87.5	88.2	88.3	89.1	89.8	90.0	90.6	90.8	91.0	91.1
18000	66.9	77.3	80.3	82.4	85.6	87.1	88.6	89.3	89.5	90.3	91.1	91.2	91.8	92.1	92.2	92.3
≥ 14000	68.6	79.4	82.4	84.7	87.8	89.3	90.9	91.7	91.8	92.7	93.5	93.6	94.2	94.5	94.7	94.7
14000	69.7	80.9	84.0	86.3	89.6	91.1	92.7	93.5	93.7	94.5	95.3	95.5	96.1	96.4	96.6	96.6
≥ 12000	71.2	82.6	85.8	88.2	91.6	93.1	94.8	95.5	95.7	96.6	97.4	97.6	98.3	98.5	98.7	98.8
12000	71.3	82.8	86.0	88.4	91.7	93.3	94.9	95.7	95.9	96.8	97.6	97.7	98.4	98.7	98.9	98.9
≥ 9000	71.6	83.1	86.3	88.7	92.1	93.7	95.4	96.1	96.3	97.2	98.0	98.2	98.9	99.1	99.3	99.4
9000	71.6	83.2	86.4	88.8	92.2	93.8	95.5	96.2	96.4	97.3	98.1	98.3	99.0	99.2	99.4	99.5
≥ 7000	71.7	83.3	86.5	88.9	92.3	93.9	95.6	96.3	96.5	97.4	98.2	98.4	99.1	99.3	99.5	99.6
7000	71.8	83.4	86.6	89.0	92.4	94.0	95.6	96.4	96.6	97.5	98.3	98.4	99.2	99.4	99.6	99.7
≥ 5000	71.8	83.4	86.6	89.0	92.4	94.0	95.7	96.4	96.6	97.5	98.3	98.5	99.2	99.4	99.6	99.7
5000	71.8	83.5	86.7	89.1	92.5	94.0	95.7	96.5	96.7	97.6	98.4	98.5	99.2	99.5	99.7	99.8
≥ 4500	71.8	83.5	86.7	89.1	92.5	94.0	95.7	96.5	96.7	97.6	98.4	98.5	99.2	99.5	99.7	99.8
4500	71.8	83.5	86.7	89.1	92.5	94.1	95.7	96.5	96.7	97.6	98.4	98.6	99.3	99.5	99.7	99.8
≥ 4000	71.8	83.5	86.7	89.1	92.5	94.1	95.8	96.6	96.7	97.6	98.5	98.6	99.3	99.5	99.8	99.8
4000	71.8	83.5	86.7	89.2	92.6	94.1	95.8	96.6	96.7	97.7	98.5	98.6	99.4	99.6	99.8	99.9
≥ 3500	71.8	83.5	86.7	89.2	92.6	94.1	95.8	96.6	96.7	97.7	98.5	98.6	99.4	99.6	99.8	99.9
3500	71.8	83.5	86.7	89.2	92.6	94.1	95.8	96.6	96.7	97.7	98.5	98.6	99.4	99.6	99.8	99.9
≥ 3000	71.8	83.5	86.7	89.2	92.6	94.1	95.8	96.6	96.7	97.7	98.5	98.6	99.4	99.6	99.8	99.9
3000	71.8	83.5	86.7	89.2	92.6	94.1	95.8	96.6	96.8	97.7	98.5	98.7	99.4	99.6	99.8	99.9
≥ 2500	71.8	83.5	86.7	89.2	92.6	94.1	95.8	96.6	96.8	97.7	98.5	98.7	99.4	99.6	99.8	99.9
2500	71.8	83.5	86.7	89.2	92.6	94.1	95.8	96.6	96.8	97.7	98.5	98.7	99.4	99.6	99.8	99.9
≥ 2000	71.8	83.5	86.7	89.2	92.6	94.1	95.8	96.6	96.8	97.7	98.5	98.7	99.4	99.6	99.9	99.9
2000	71.8	83.5	86.7	89.2	92.6	94.1	95.8	96.6	96.8	97.7	98.5	98.7	99.4	99.6	99.9	99.9
≥ 1800	71.8	83.5	86.7	89.2	92.6	94.1	95.8	96.6	96.8	97.7	98.5	98.7	99.4	99.6	99.9	99.9
1800	71.8	83.5	86.7	89.2	92.6	94.1	95.8	96.6	96.8	97.7	98.5	98.7	99.4	99.6	99.9	100.0
≥ 1500	71.8	83.5	86.7	89.2	92.6	94.1	95.8	96.6	96.8	97.7	98.5	98.7	99.4	99.6	99.9	100.0
1500	71.8	83.5	86.7	89.2	92.6	94.1	95.8	96.6	96.8	97.7	98.5	98.7	99.4	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 11056

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41165 DHAHRAN SAUDI ARABIA 48-61 JUN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-2200

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	6	5	4	3	2½	2	1½	1¼	1	¾	½	¼	0		
22000	63.6	76.1	79.3	81.3	84.5	87.5	90.4	91.5	91.6	93.7	94.6	95.1	95.9	95.9	96.2	96.4
20000	63.6	76.3	79.5	81.6	84.7	87.8	90.9	92.0	92.1	94.2	95.1	95.6	96.3	96.4	96.7	96.9
18000	63.8	76.6	79.8	81.9	85.1	88.1	91.2	92.3	92.4	94.5	95.4	95.9	96.7	96.7	97.0	97.2
17000	63.8	76.6	79.8	81.9	85.1	88.1	91.2	92.4	92.5	94.6	95.5	95.9	96.7	96.8	97.1	97.3
16000	63.8	76.6	79.8	81.9	85.1	88.1	91.2	92.5	92.5	94.7	95.6	96.0	96.8	96.9	97.1	97.4
15000	63.9	76.7	79.9	82.0	85.2	88.2	91.3	92.6	92.7	94.8	95.7	96.2	97.0	97.1	97.3	97.5
14000	63.9	76.8	80.0	82.1	85.3	88.3	91.4	92.7	92.8	94.9	95.8	96.3	97.1	97.1	97.4	97.6
13000	63.9	76.8	80.0	82.1	85.3	88.3	91.4	92.7	92.8	94.9	95.8	96.3	97.1	97.1	97.4	97.6
12000	63.9	76.8	80.0	82.1	85.3	88.3	91.4	92.7	92.8	94.9	95.8	96.3	97.1	97.1	97.4	97.6
11000	63.9	76.8	80.0	82.1	85.3	88.3	91.4	92.7	92.8	94.9	95.8	96.3	97.1	97.1	97.4	97.6
10000	63.9	76.8	80.0	82.1	85.3	88.3	91.4	92.7	92.8	94.9	95.8	96.3	97.1	97.1	97.4	97.6
9000	64.0	76.9	80.1	82.2	85.4	88.4	91.5	92.8	92.9	95.0	95.9	96.3	97.1	97.2	97.5	97.7
8000	64.0	76.9	80.1	82.2	85.4	88.4	91.5	92.8	92.9	95.0	95.9	96.3	97.1	97.2	97.5	97.7
7000	64.0	76.9	80.1	82.2	85.4	88.4	91.5	92.8	92.9	95.0	95.9	96.3	97.1	97.2	97.5	97.7
6000	64.0	76.9	80.1	82.2	85.4	88.4	91.5	92.8	92.9	95.0	95.9	96.3	97.1	97.2	97.5	97.7
5000	64.0	76.9	80.1	82.2	85.4	88.4	91.5	92.8	92.9	95.0	95.9	96.3	97.1	97.2	97.5	97.7
4500	64.1	77.0	80.1	82.3	85.5	88.5	91.6	92.9	92.9	95.1	95.9	96.4	97.2	97.3	97.5	97.8
4000	64.1	77.0	80.1	82.3	85.5	88.6	91.7	93.0	93.1	95.2	96.1	96.6	97.4	97.5	97.7	97.9
3500	64.1	77.0	80.1	82.3	85.5	88.6	91.7	93.0	93.1	95.2	96.1	96.6	97.4	97.5	97.7	97.9
3000	64.1	77.0	80.1	82.3	85.5	88.6	91.7	93.0	93.1	95.2	96.1	96.6	97.4	97.5	97.7	97.9
2500	64.1	77.0	80.1	82.3	85.5	88.6	91.7	93.0	93.1	95.2	96.1	96.6	97.4	97.5	97.7	97.9
2000	64.1	77.0	80.1	82.3	85.5	88.6	91.7	93.0	93.1	95.4	96.3	96.7	97.5	97.6	97.9	98.1
1800	64.1	77.0	80.1	82.3	85.5	88.6	91.7	93.0	93.1	95.4	96.3	96.7	97.5	97.6	97.9	98.1
1600	64.1	77.0	80.1	82.3	85.5	88.6	91.7	93.0	93.1	95.4	96.3	96.7	97.5	97.6	97.9	98.1
1400	64.1	77.0	80.1	82.3	85.5	88.6	91.7	93.0	93.1	95.4	96.3	96.7	97.5	97.6	97.9	98.1
1200	64.1	77.0	80.1	82.4	85.5	88.7	91.8	93.1	93.2	95.5	96.3	96.8	97.6	97.7	97.9	98.2
1000	64.1	77.0	80.1	82.4	85.5	88.7	91.8	93.1	93.2	95.6	96.4	96.9	97.7	98.0	98.3	98.5
800	64.1	77.0	80.1	82.4	85.5	88.7	91.8	93.1	93.2	95.6	96.4	96.9	97.7	98.1	98.6	98.9
600	64.1	77.0	80.1	82.4	85.5	88.7	91.8	93.1	93.2	95.6	96.4	97.1	97.9	98.4	99.0	99.5
400	64.1	77.0	80.1	82.4	85.5	88.7	91.8	93.1	93.2	95.6	96.4	97.1	98.1	98.6	99.2	99.3
0	64.1	77.0	80.1	82.4	85.5	88.7	91.8	93.1	93.2	95.6	96.4	97.1	98.1	98.6	99.2	99.8
	64.1	77.0	80.1	82.4	85.5	88.7	91.8	93.1	93.2	95.6	96.4	97.1	98.1	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1259

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416C — DHAHRAN SAUDI ARABIA — 46-61 — JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
CLR	56.1	67.9	71.6	74.8	79.0	81.4	85.0	87.5	88.0	91.3	93.3	94.0	95.8	96.3	96.5	96.8
≥22000	56.2	68.0	71.7	74.9	79.2	81.6	85.4	87.9	88.4	91.7	93.8	94.5	96.3	96.9	97.1	97.4
≥15000	56.6	68.5	72.2	75.4	79.7	82.1	85.9	88.3	88.9	92.1	94.3	95.0	96.7	97.3	97.5	97.9
≥10000	56.6	68.5	72.2	75.4	79.8	82.1	86.1	88.6	89.1	92.4	94.5	95.2	97.0	97.5	97.8	98.1
≥7000	56.7	68.7	72.4	75.6	79.9	82.3	86.3	88.7	89.2	92.5	94.7	95.4	97.1	97.7	97.9	98.3
≥5000	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥4500	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥4000	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥3500	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥3000	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥2500	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥2000	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥1800	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥1600	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥1400	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥1200	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥1000	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥900	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥800	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥700	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥600	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥500	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥400	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥300	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥200	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥150	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥100	56.8	68.7	72.5	75.6	80.0	82.4	86.3	88.8	89.4	92.6	94.8	95.5	97.2	97.8	98.0	98.3
≥ 0	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	94.9	95.6	97.4	97.9	98.2	98.5
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	94.9	95.6	97.4	97.9	98.2	98.5
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	94.9	95.6	97.4	97.9	98.2	98.5
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	94.9	95.6	97.5	98.1	98.4	98.7
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	94.9	95.6	97.5	98.1	98.4	98.7
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	95.0	95.7	97.6	98.2	98.5	98.8
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	95.0	95.7	97.6	98.2	98.5	98.8
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	95.0	95.7	97.6	98.2	98.5	98.8
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	95.0	95.7	97.6	98.2	98.5	98.8
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	95.0	95.7	97.6	98.2	98.5	98.8
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	95.0	95.7	97.7	98.3	98.7	99.0
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	95.2	95.9	97.9	98.6	99.2	99.6
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	95.2	96.0	98.0	98.7	99.4	99.8
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	95.2	96.0	98.1	98.8	99.5	99.9
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	95.2	96.0	98.1	98.8	99.5	99.9
	57.0	68.9	72.6	75.8	80.2	82.5	86.5	89.0	89.5	92.8	95.2	96.0	98.1	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1260

GL AL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416C — DHAHRAN SAUDI ARABIA — 46-61 — JUN

STATION — STATION NAME — YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0600-0800

VISIBILITY STATUTE MILES

CEILING FEET	10	6	5	4	3	2½	2	1½	1¼	1	¾	½	¼	0
FUNL	51.0	61.8	67.2	71.3	77.0	80.1	83.9	87.0	88.5	91.1	93.8	94.3	95.9	96.7	97.0	97.4
25000	51.1	62.0	67.3	71.4	77.1	80.3	83.9	87.1	88.7	91.3	94.1	94.6	96.4	97.3	97.5	97.8
20000	51.1	62.1	67.5	71.6	77.2	80.4	84.1	87.2	88.8	91.5	94.4	94.9	96.7	97.6	97.8	98.1
17000	51.2	62.2	67.6	71.7	77.4	80.6	84.2	87.4	88.9	91.7	94.6	95.1	96.9	97.8	98.0	98.3
14000	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.5	88.6	91.8	94.7	95.2	97.0	97.9	98.0	98.4
12000	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.5	88.6	91.8	94.7	95.2	97.0	97.9	98.0	98.4
10000	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.7	88.8	92.0	94.9	95.4	97.2	98.1	98.3	98.6
9000	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.7	88.8	92.0	94.9	95.4	97.2	98.1	98.3	98.6
8000	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.7	88.8	92.0	94.9	95.4	97.2	98.1	98.3	98.6
7000	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.7	88.8	92.0	94.9	95.4	97.2	98.1	98.3	98.6
6000	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.7	88.8	92.0	94.9	95.4	97.2	98.1	98.3	98.6
5000	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.8	88.8	92.1	95.0	95.5	97.2	98.2	98.3	98.7
4500	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.8	88.8	92.1	95.0	95.5	97.2	98.2	98.3	98.7
4000	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.8	88.8	92.1	95.0	95.5	97.2	98.2	98.3	98.7
3500	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.8	88.8	92.1	95.0	95.5	97.2	98.2	98.3	98.7
3000	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.8	88.8	92.1	95.0	95.5	97.2	98.2	98.3	98.7
2500	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.8	88.8	92.1	95.0	95.5	97.2	98.2	98.3	98.7
2000	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.8	88.8	92.1	95.0	95.7	97.4	98.3	98.5	98.8
1800	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.8	88.8	92.1	95.0	95.7	97.4	98.3	98.5	98.8
1500	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.8	88.8	92.1	95.0	95.7	97.4	98.4	98.7	99.1
1200	51.3	62.3	67.7	71.8	77.5	80.7	84.3	87.8	88.8	92.1	95.0	95.7	97.4	98.4	98.7	99.1
1000	51.3	62.3	67.7	71.8	77.5	80.7	84.4	87.8	88.9	92.2	95.1	95.8	97.5	98.6	98.8	99.2
900	51.3	62.3	67.7	71.8	77.5	80.8	84.5	87.9	89.0	92.2	95.2	95.9	97.6	98.6	98.9	99.3
800	51.3	62.3	67.7	71.8	77.5	80.8	84.5	87.9	89.0	92.2	95.2	95.9	97.6	98.7	99.0	99.3
700	51.3	62.3	67.7	71.8	77.5	80.8	84.5	87.9	89.0	92.2	95.2	95.9	97.6	98.7	99.0	99.3
600	51.3	62.3	67.7	71.8	77.5	80.8	84.5	87.9	89.0	92.2	95.2	95.9	97.6	98.7	99.0	99.3
500	51.3	62.3	67.7	71.8	77.5	80.8	84.5	87.9	89.0	92.2	95.4	96.2	97.9	99.0	99.3	99.6
400	51.3	62.3	67.7	71.8	77.5	80.8	84.5	87.9	89.0	92.2	95.4	96.2	97.9	99.1	99.4	99.8
300	51.3	62.3	67.7	71.8	77.5	80.8	84.5	87.9	89.0	92.2	95.4	96.2	97.9	99.2	99.5	99.9
200	51.3	62.3	67.7	71.8	77.5	80.8	84.5	87.9	89.0	92.2	95.4	96.2	97.9	99.2	99.5	100.0
100	51.3	62.3	67.7	71.8	77.5	80.8	84.5	87.9	89.0	92.2	95.4	96.2	97.9	99.2	99.5	100.0
0	51.3	62.3	67.7	71.8	77.5	80.8	84.5	87.9	89.0	92.2	95.4	96.2	97.9	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1380

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416 DHAHRAN SAUDI ARABIA 46-61 JUN
STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥5/8	≥¾	≥½	≥0
≥22000	45.3	57.5	62.4	69.6	78.0	81.2	85.3	87.4	87.9	91.1	92.8	93.3	95.0	96.1	96.7	97.5
≥20000	45.3	57.6	62.5	69.6	78.1	81.3	85.5	87.7	88.2	91.3	93.0	93.5	95.2	96.3	96.9	97.7
≥18000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.8	88.3	91.7	93.4	93.8	95.5	96.7	97.2	98.1
≥16000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.8	88.3	91.7	93.4	93.8	95.5	96.7	97.2	98.1
≥14000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.8	88.3	91.8	93.5	93.9	95.6	96.7	97.3	98.2
≥12000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.8	88.3	91.8	93.5	93.9	95.6	96.7	97.3	98.2
≥11000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.8	93.5	94.0	95.7	96.8	97.4	98.2
≥10000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.8	93.5	94.0	95.7	96.8	97.4	98.2
≥9000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.8	93.5	94.0	95.7	96.8	97.4	98.2
≥8000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.8	93.5	94.0	95.7	96.8	97.4	98.2
≥7000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.8	93.5	94.0	95.7	96.8	97.4	98.2
≥6000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.8	93.5	94.0	95.7	96.8	97.4	98.2
≥5000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.8	93.5	94.0	95.7	96.8	97.4	98.2
≥4500	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.8	93.5	94.0	95.7	96.8	97.4	98.2
≥4000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.8	93.5	94.0	95.7	96.8	97.4	98.2
≥3500	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.8	93.5	94.0	95.7	96.8	97.4	98.2
≥3000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.8	93.5	94.0	95.7	96.8	97.4	98.2
≥2500	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.9	93.6	94.0	95.9	97.0	97.6	98.4
≥2000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.9	93.6	94.0	95.9	97.0	97.6	98.4
≥1800	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.9	93.8	94.2	96.1	97.3	97.9	98.7
≥1600	45.5	57.7	62.6	69.8	78.2	81.4	85.7	87.9	88.4	91.9	93.8	94.3	96.2	97.4	97.9	98.8
≥1400	45.5	57.7	62.6	69.8	78.2	81.4	85.7	88.1	88.7	92.1	94.3	94.7	96.6	97.8	98.4	99.2
≥1200	45.5	57.7	62.6	69.8	78.2	81.4	85.7	88.1	88.7	92.1	94.3	94.7	96.6	97.8	98.4	99.2
≥1000	45.5	57.7	62.6	69.8	78.2	81.4	85.7	88.1	88.7	92.1	94.3	94.7	96.6	97.8	98.4	99.2
≥900	45.5	57.7	62.6	69.8	78.2	81.4	85.7	88.1	88.7	92.1	94.3	94.7	96.6	97.8	98.4	99.2
≥800	45.5	57.7	62.6	69.8	78.2	81.4	85.7	88.1	88.7	92.1	94.3	94.7	96.6	97.8	98.4	99.2
≥700	45.5	57.7	62.6	69.8	78.2	81.4	85.7	88.1	88.7	92.1	94.3	94.7	96.6	97.8	98.4	99.2
≥600	45.5	57.7	62.6	69.8	78.2	81.4	85.7	88.1	88.7	92.1	94.3	94.7	96.7	98.1	98.7	99.5
≥500	45.5	57.7	62.6	69.8	78.2	81.4	85.7	88.1	88.7	92.1	94.3	94.7	96.7	98.2	99.0	99.9
≥400	45.5	57.7	62.6	69.8	78.2	81.4	85.7	88.1	88.7	92.1	94.3	94.7	96.7	98.2	99.0	99.9
≥300	45.5	57.7	62.6	69.8	78.2	81.4	85.7	88.1	88.7	92.1	94.3	94.7	96.7	98.2	99.0	100.0
<300	45.5	57.7	62.6	69.8	78.2	81.4	85.7	88.1	88.7	92.1	94.3	94.7	96.7	98.2	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1410

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416 DHAHRAN SAUDI ARABIA 46-61 JUL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

00-23 1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅛	≥0			
≥ 22000	46.7	58.9	64.4	70.3	78.3	81.5	85.7	87.6	88.2	91.1	93.3	93.6	96.0	96.6	97.4	97.9
≥ 20000	46.9	59.0	64.6	70.6	78.5	81.7	86.0	88.0	88.5	91.6	93.8	94.1	96.5	97.4	97.8	98.4
≥ 18000	46.9	59.1	64.7	70.6	78.6	81.8	86.0	88.1	88.6	91.7	93.8	94.2	96.5	97.5	97.9	98.5
≥ 16000	46.9	59.1	64.7	70.6	78.6	81.8	86.0	88.1	88.6	91.7	93.8	94.2	96.5	97.5	97.9	98.5
≥ 14000	47.0	59.2	64.7	70.7	78.7	81.9	86.1	88.1	88.7	91.7	93.9	94.2	96.6	97.6	98.0	98.5
≥ 12000	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.7	98.1	98.7
≥ 11000	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.7	98.1	98.7
≥ 10000	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.7	98.1	98.7
≥ 9000	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.7	98.1	98.7
≥ 8000	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.7	98.1	98.7
≥ 7000	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.7	98.1	98.7
≥ 6000	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.7	98.1	98.7
≥ 5000	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.7	98.1	98.7
≥ 4500	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.7	98.1	98.7
≥ 4000	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.7	98.1	98.7
≥ 3500	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.7	98.1	98.7
≥ 3000	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.7	98.1	98.7
≥ 2500	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.7	98.1	98.7
≥ 2000	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.9	98.3	98.9
≥ 1800	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.9	98.3	98.9
≥ 1600	47.2	59.3	64.9	70.8	78.8	82.0	86.3	88.3	88.8	91.9	94.0	94.4	96.7	97.9	98.3	98.9
≥ 1400	47.2	59.3	64.9	70.8	78.8	82.0	86.5	88.5	89.0	92.1	94.2	94.6	96.9	98.1	98.5	99.1
≥ 1200	47.2	59.3	64.9	70.8	78.8	82.0	86.5	88.5	89.1	92.2	94.4	94.8	97.3	98.5	98.9	99.4
≥ 1000	47.2	59.3	64.9	70.8	78.8	82.0	86.5	88.5	89.1	92.2	94.4	94.8	97.3	98.5	98.9	99.4
≥ 900	47.2	59.3	64.9	70.8	78.8	82.0	86.5	88.5	89.1	92.2	94.4	94.8	97.3	98.5	98.9	99.4
≥ 800	47.2	59.3	64.9	70.8	78.8	82.0	86.5	88.5	89.1	92.2	94.4	94.8	97.3	98.5	98.9	99.4
≥ 700	47.2	59.3	64.9	70.8	78.8	82.0	86.5	88.5	89.1	92.2	94.4	94.8	97.3	98.5	98.9	99.4
≥ 600	47.2	59.3	64.9	70.8	78.8	82.0	86.5	88.5	89.1	92.2	94.4	94.8	97.3	98.5	98.9	99.4
≥ 500	47.2	59.3	64.9	70.8	78.8	82.0	86.5	88.5	89.1	92.2	94.4	94.8	97.3	98.5	98.9	99.4
≥ 450	47.2	59.3	64.9	70.8	78.8	82.0	86.5	88.5	89.1	92.2	94.4	94.8	97.4	98.7	99.2	99.8
≥ 400	47.2	59.3	64.9	70.8	78.8	82.0	86.5	88.5	89.1	92.2	94.4	94.8	97.4	98.7	99.2	99.8
≥ 350	47.2	59.3	64.9	70.8	78.8	82.0	86.5	88.5	89.1	92.2	94.4	94.8	97.4	98.7	99.2	99.8
≥ 300	47.2	59.3	64.9	70.8	78.8	82.0	86.5	88.5	89.1	92.2	94.4	94.8	97.4	98.7	99.2	100.0
< 300	47.2	59.3	64.9	70.8	78.8	82.0	86.5	88.5	89.1	92.2	94.4	94.8	97.4	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1440

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404160 DHAHRAN SAUDI ARABIA 46-61
STATION STATION NAME FILE

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0			
NO CEILING	55.4	69.9	74.6	76.4	85.5	87.4	90.4	92.1	92.8	94.1	95.4	95.7	96.7	97.4	97.5	98.1
≥20000	55.7	70.2	75.0	78.8	85.9	87.8	90.7	92.5	93.2	94.5	95.7	96.0	97.2	97.9	97.9	98.4
≥ 8000	55.7	70.2	75.0	78.8	85.9	87.8	90.7	92.5	93.2	94.5	95.7	96.0	97.2	97.9	97.9	98.4
≥ 6000	55.7	70.2	75.0	78.8	85.9	87.8	90.7	92.5	93.2	94.5	95.7	96.0	97.2	97.9	97.9	98.4
≥ 4000	55.7	70.2	75.0	78.8	85.9	87.8	90.7	92.5	93.2	94.5	95.7	96.0	97.2	97.9	97.9	98.4
≥ 3000	56.0	70.4	75.2	79.0	86.1	88.0	90.9	92.7	93.4	94.7	96.0	96.2	97.4	98.1	98.2	98.7
≥ 2500	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 2000	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 1800	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 1500	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 1200	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 1000	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 900	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 800	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 700	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 600	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 500	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 450	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 400	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 350	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 300	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 250	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 200	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.3	97.4	98.2	98.2	98.7
≥ 150	56.0	70.5	75.2	79.1	86.2	88.1	91.0	92.8	93.5	94.8	96.0	96.4	97.5	98.2	98.3	98.8
≥ 100	56.0	70.5	75.2	79.1	86.2	88.1	91.1	92.9	93.6	94.9	96.2	96.5	97.7	98.4	98.4	98.9
≥ 70	56.0	70.5	75.2	79.1	86.2	88.1	91.1	92.9	93.6	94.9	96.2	96.5	97.8	98.5	98.6	99.1
≥ 50	56.0	70.5	75.2	79.1	86.2	88.1	91.1	92.9	93.6	94.9	96.2	96.5	97.8	98.5	98.6	99.1
≥ 30	56.0	70.5	75.2	79.1	86.2	88.1	91.1	92.9	93.6	94.9	96.2	96.5	97.8	98.5	98.6	99.1
≥ 20	56.0	70.5	75.2	79.1	86.2	88.1	91.1	92.9	93.6	94.9	96.2	96.5	97.8	98.5	98.6	99.1
≥ 15	56.0	70.5	75.2	79.1	86.2	88.1	91.1	92.9	93.6	94.9	96.2	96.5	97.8	98.5	98.6	99.1
≥ 10	56.0	70.5	75.2	79.1	86.2	88.1	91.1	92.9	93.6	94.9	96.2	96.5	97.8	98.7	98.8	99.3
≥ 7	56.0	70.5	75.2	79.1	86.2	88.1	91.1	92.9	93.6	94.9	96.2	96.5	97.8	98.7	98.9	99.4
≥ 5	56.0	70.5	75.2	79.1	86.2	88.1	91.1	92.9	93.6	94.9	96.2	96.5	97.8	98.8	99.0	99.5
≥ 4	56.0	70.5	75.2	79.1	86.2	88.1	91.1	92.9	93.6	94.9	96.2	96.5	97.9	99.1	99.4	99.9
≥ 2	56.0	70.5	75.2	79.1	86.2	88.1	91.1	92.9	93.6	94.9	96.2	96.5	97.9	99.1	99.4	99.9
≥ 1	56.0	70.5	75.2	79.1	86.2	88.1	91.1	92.9	93.6	94.9	96.2	96.6	98.0	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1412

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41[illegible] DHAHRAN SAUDI ARABIA 46-61

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

VISIBILITY (STATUTE MILES)

[illegible]	70.1	82.7	85.2	88.2	91.4	92.4	94.2	94.9	95.7	96.2	97.2	97.4	98.[illegible]	98.3	98.[illegible]	98.4
[illegible]	70.3	82.9	85.4	88.5	91.7	92.7	94.5	95.1	95.6	96.5	97.4	97.6	98.3	98.5	98.6	98.7
[illegible]	70.3	82.9	85.4	88.5	91.7	92.7	94.5	95.1	95.6	96.5	97.4	97.6	98.3	98.5	98.6	98.7
[illegible]	70.3	82.9	85.4	88.5	91.7	92.7	94.5	95.1	95.6	96.5	97.4	97.6	98.3	98.5	98.6	98.7
[illegible]	70.3	82.9	85.4	88.5	91.7	92.7	94.5	95.1	95.6	96.5	97.4	97.6	98.3	98.5	98.6	98.7
[illegible]	70.4	83.0	85.5	88.5	91.7	92.8	94.6	95.2	95.7	96.5	97.5	97.7	98.3	98.6	98.7	98.[illegible]
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.8	98.5	98.[illegible]	98.8	98.9
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.8	98.5	98.[illegible]	98.8	98.9
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.8	98.5	98.8	98.8	98.9
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.8	98.5	98.[illegible]	98.8	98.9
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.8	98.5	98.[illegible]	98.8	98.9
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.8	98.5	98.[illegible]	98.8	98.9
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.8	98.5	98.8	98.8	98.9
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.8	98.5	98.[illegible]	98.8	98.9
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.8	98.5	98.8	98.8	98.9
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.8	98.5	98.8	98.8	98.9
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.8	98.5	98.[illegible]	98.8	98.9
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.8	98.5	98.[illegible]	98.8	98.9
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.8	98.5	98.8	98.9	98.9
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.9	98.5	98.8	99.0	99.[illegible]
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.9	98.5	98.[illegible]	99.0	99.[illegible]
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.9	98.8	99.[illegible]	99.1	99.2
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.9	98.8	99.[illegible]	99.1	99.2
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.9	98.8	99.1	99.2	99.2
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.9	98.8	99.1	99.2	99.2
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.9	98.8	99.1	99.2	99.2
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.6	97.9	98.8	99.1	99.2	99.4
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.7	98.0	98.8	99.2	99.2	99.4
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.8	98.1	99.0	99.4	99.5	99.6
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.8	98.1	99.0	99.7	99.7	100.0
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.8	98.1	99.0	99.7	99.7	100.0
[illegible]	70.6	83.1	85.6	88.7	91.9	92.9	94.7	95.3	95.8	96.7	97.8	98.1	99.0	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 144[illegible]

...AL CLIMATOLOGY BRANCH
...OF ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 416 DHAHRAN SAUDI ARABIA 46-61

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

70.7	82.0	84.7	86.9	89.9	91.7	94.[illegible]	94.4	94.7	96.2	96.[illegible]	96.6	97.8	98.[illegible]	[illegible]	[illegible]
70.7	82.[illegible]	84.7	86.9	89.9	91.7	94.2	94.5	94.8	96.4	96.7	97.[illegible]	98.0	98.2	98.2	98.2
70.7	82.1	84.[illegible]	87.0	90.0	91.7	94.2	94.6	94.9	96.4	96.[illegible]	97.[illegible]	98.[illegible]	[illegible]	[illegible]	[illegible]
70.7	82.1	84.9	87.0	90.0	91.7	94.2	94.6	94.9	96.4	96.[illegible]	97.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	[illegible]
70.7	82.1	84.9	87.0	90.0	91.7	94.2	94.6	94.9	96.4	96.[illegible]	97.[illegible]	98.[illegible]	[illegible]	[illegible]	[illegible]
70.9	82.3	85.[illegible]	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.[illegible]	97.3	98.[illegible]	98.5	[illegible]	[illegible]
70.9	82.3	85.[illegible]	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.[illegible]	97.3	98.3	[illegible]	[illegible]	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.[illegible]	97.3	98.3	98.5	98.5	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.[illegible]	97.3	98.3	98.5	98.5	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.[illegible]	97.3	98.3	98.5	98.5	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.[illegible]	97.3	98.3	98.5	98.5	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.[illegible]	97.3	98.3	98.5	98.5	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.[illegible]	97.3	98.3	98.5	98.5	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.[illegible]	97.3	98.3	98.5	98.5	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.[illegible]	97.3	98.3	98.5	98.5	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.[illegible]	97.3	98.3	98.5	98.5	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.[illegible]	97.3	98.3	98.5	98.5	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.1	97.3	98.3	98.[illegible]	[illegible]	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.1	97.3	98.3	98.6	98.7	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.1	97.3	98.3	98.6	98.7	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.8	95.2	96.7	97.1	97.3	98.3	98.6	98.7	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.9	95.2	96.7	97.2	97.4	98.4	98.6	98.7	[illegible]
70.9	82.3	85.0	87.2	90.2	92.0	94.5	94.9	95.2	96.9	97.4	97.7	98.6	99.[illegible]	[illegible]	[illegible]
70.9	82.3	85.[illegible]	87.2	90.2	92.0	94.5	94.9	95.2	96.9	97.5	97.7	98.9	99.[illegible]	[illegible]	[illegible]
70.9	82.3	85.[illegible]	87.2	90.2	92.0	94.5	94.9	95.2	96.9	97.[illegible]	97.7	98.9	99.[illegible]	[illegible]	[illegible]
70.9	82.3	85.[illegible]	87.2	90.2	92.0	94.5	94.9	95.2	96.9	97.6	97.8	98.9	99.[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC [illegible] 0-14-5 (OL A) [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 415 DHAHRAN SAUDI ARABIA 46-61

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

	57.7	69.5	77.-	77.5	-7.5	5.4	-8.6	90.5	90.-	93.1	94.5	95.-	96.4	97.-	-7.-	-7.-	-7.-						
	57.3	69.6	73.7	77.7	81.1	5.6	88.9	90.6	91.1	93.4	95.0	96.4	96.3	97.4	-7.-	-8.-							
	57.4	69.8	77.9	77.9	87.3	5.7	89.-	90.7	91.-	93.6	95.2	9 .6	97.0	97.6	97.6	-8.-							
	57.4	69.8	73.9	77.9	83.3	5.8	89.1	9 .6	91.2	93.7	95.3	96.6	97.-	97.6	97.6	-8.-							
	57.5	69.8	77.9	77.9	83.4	5.9	89.1	90.5	91.4	93.7	95.3	96.7	97.1	97.7	97.-	-8.-							
	57.6	69.9	74.-	7 .0	83.5	6.0	89.2	91.0	91.5	93.8	95.4	96.-	97.2	97.-	97.-	-8.-							
	57.6	7 .0	74.1	7 .1	83.5	6.0	89.3	91.0	91.5	93.9	95.5	96.9	97.3	97.-	98.-	-8.-							
	57.6	7 .0	74.1	7 .1	83.5	6.0	89.3	91.0	91.5	93.9	95.5	96.9	97.3	97.-	98.-	-8.-							
	57.6	70.0	74.1	78.1	83.5	6.0	89.3	91.0	91.5	93.9	95.5	96.9	97.3	97.6	98.1	-8.-							
	57.6	70.0	74.1	78.1	83.5	6.0	89.3	91.0	91.5	93.9	95.5	96.9	97.3	97.-	98.-	-8.-							
	57.6	70.0	74.1	78.1	83.5	6.0	89.3	91.0	91.5	93.9	95.5	96.9	97.3	97.6	98.1	-8.-							
	57.6	7 .0	74.1	7 .1	83.5	6.0	89.3	91.0	91.5	93.9	95.5	96.9	97.3	97.-	98.-	-8.-							
	57.6	70.0	74.1	78.1	83.5	6.0	89.3	91.0	91.5	93.9	95.5	96.9	97.3	97.-	98.1	-8.-							
	57.6	70.0	74.1	78.1	83.5	6.0	89.3	91.0	91.5	93.9	95.5	96.9	97.3	97.6	98.1	-8.-							
	57.6	7 .0	74.1	7 .1	83.5	6.0	89.3	91.0	91.5	93.9	95.5	96.9	97.3	97.-	98.1	-8.-							
	57.7	7 .0	74.1	78.1	83.5	6.0	89.3	91.1	91.5	94.0	95.5	96.9	97.3	97.6	98.1	98.-							
	57.7	70.0	74.1	78.1	83.5	6.0	89.3	91.1	91.6	94.0	95.5	96.0	97.4	98.-	98.-	-8.-							
	57.7	70.0	74.1	78.1	83.5	6.0	89.3	91.1	91.6	94.-	95.5	96.-	97.4	98.-	98.-	-8.-							
	57.7	70.0	74.1	78.1	83.5	6.0	89.3	91.1	91.6	94.0	95.6	96.0	97.4	98.1	98.3	98.3							
	57.7	70.0	74.1	78.1	83.5	6.0	89.4	91.1	91.7	94.0	95.6	96.-	97.5	98.2	98.4	98.-							
	57.7	7 .0	74.1	78.1	83.5	6.0	89.4	91.2	91.7	94.1	95.7	96.2	97.7	98.4	98.6	99.-							
	57.7	7 .0	74.1	78.1	83.6	6.0	89.4	91.2	91.7	94.1	95.-	96.2	97.7	98.4	98.6	99.-							
	57.7	70.0	74.1	78.1	83.6	6.0	89.4	91.2	91.7	94.1	95.8	96.2	97.7	98.4	98.6	99.-							
	57.7	70.0	74.1	7 .1	83.6	6.0	89.4	91.2	91.7	94.1	95.8	96.2	97.7	98.4	98.7	99.-							
	57.7	7 .0	74.1	78.1	83.6	6.0	89.4	91.2	91.7	94.1	95.8	96.2	97.8	98.5	98.8	99.-							
	57.7	7 .0	74.1	78.1	83.6	6.0	89.4	91.2	91.8	94.1	95.8	96.3	97.8	98.7	99.-	99.-							
	57.7	70.0	74.1	78.1	83.6	6.0	89.4	91.2	91.8	94.1	95.9	96.3	97.9	98.8	99.-	9.7							
	57.7	70.0	74.1	78.1	83.6	6.0	89.4	91.2	91.8	94.1	95.9	96.4	98.-	98.9	99.4	99.-							
	57.7	70.0	74.1	7 .1	83.6	6.0	89.4	91.2	91.8	94.1	95.9	96.4	98.-	98.9	99.4	99.-							
	57.7	7 .0	74.1	78.1	83.6	6.0	89.4	91.2	91.8	94.1	95.9	96.4	98.2	99.-	99.4	99.-							

TOTAL NUMBER OF OBSERVATIONS 1 [illegible]

USAFETAC [illegible] OF A PREVIOUS EDITION WHICH ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] SHAHRAN SAUDI ARABIA [illegible] 47-61 [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

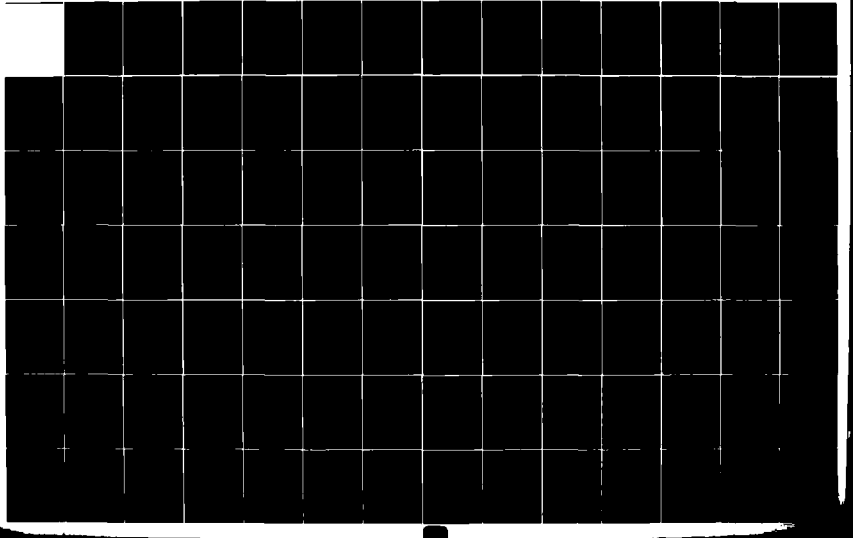
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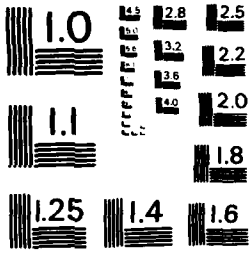
TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible]

AD-A137 580 DHAHRAN SAUDI ARABIA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATI..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 01 DEC 83 3/5

UNCLASSIFIED USAFETAC/DS-83/050 SBI-AD-E850 503 F/G 4/2 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	<¼
NO CEILING	53.3	68.4	74.3	76.0	78.7	80.9	84.1	85.8	86.3	89.0	90.0	90.4	91.0	91.1	91.3	91.4
≥ 20000	53.8	69.1	75.0	76.8	79.6	81.8	85.1	86.8	87.3	90.3	91.4	91.8	92.5	92.5	92.8	92.8
≥ 18000	54.4	69.9	75.8	77.7	80.5	82.7	86.1	87.8	88.3	91.5	92.8	93.3	94.0	94.1	94.3	94.3
≥ 16000	55.5	71.4	77.3	79.2	82.2	84.4	87.8	89.5	90.0	93.3	94.6	95.2	95.9	96.0	96.3	96.3
≥ 14000	56.2	72.4	78.3	80.4	83.3	85.5	89.0	90.7	91.2	94.4	95.8	96.3	97.1	97.1	97.4	97.5
≥ 12000	56.3	72.5	78.5	80.6	83.6	85.8	89.2	91.0	91.5	94.7	96.1	96.7	97.4	97.5	97.8	97.8
≥ 10000	56.5	72.8	78.7	80.8	83.8	86.0	89.5	91.2	91.7	94.9	96.3	96.9	97.6	97.7	98.0	98.1
≥ 9000	56.5	72.8	78.7	80.8	83.8	86.0	89.5	91.2	91.7	94.9	96.3	96.9	97.6	97.7	98.0	98.1
≥ 8000	56.5	72.8	78.7	80.8	83.8	86.0	89.5	91.2	91.7	94.9	96.3	96.9	97.6	97.7	98.0	98.1
≥ 7000	56.5	72.8	78.7	80.8	83.8	86.0	89.5	91.2	91.7	94.9	96.3	96.9	97.6	97.7	98.0	98.1
≥ 6000	56.5	72.8	78.7	80.8	83.8	86.0	89.5	91.2	91.7	94.9	96.3	96.9	97.6	97.7	98.0	98.1
≥ 5000	56.5	72.8	78.8	80.9	83.9	86.1	89.5	91.3	91.8	95.0	96.4	97.0	97.7	97.8	98.1	98.1
≥ 4500	56.5	72.8	78.8	80.9	83.9	86.1	89.5	91.3	91.8	95.0	96.4	97.0	97.7	97.8	98.1	98.1
≥ 4000	56.5	72.8	78.8	80.9	83.9	86.1	89.5	91.3	91.8	95.0	96.4	97.0	97.7	97.8	98.1	98.1
≥ 3500	56.5	72.8	78.8	80.9	83.9	86.1	89.5	91.3	91.8	95.0	96.4	97.0	97.7	97.8	98.1	98.1
≥ 3000	56.5	72.8	78.8	80.9	83.9	86.1	89.5	91.3	91.8	95.0	96.4	97.0	97.7	97.8	98.1	98.1
≥ 2500	56.5	72.8	78.8	80.9	83.9	86.2	89.7	91.4	91.9	95.1	96.6	97.1	97.8	97.9	98.2	98.3
≥ 2000	56.5	72.8	78.9	81.0	84.1	86.4	89.9	91.6	92.1	95.3	96.9	97.5	98.2	98.3	98.6	98.7
≥ 1800	56.5	72.8	78.9	81.0	84.1	86.4	89.9	91.6	92.1	95.3	96.9	97.5	98.2	98.3	98.6	98.7
≥ 1500	56.5	72.8	78.9	81.1	84.2	86.5	90.0	91.7	92.2	95.4	97.1	97.6	98.5	98.6	98.9	99.0
≥ 1200	56.5	72.8	78.9	81.1	84.2	86.5	90.0	91.7	92.2	95.4	97.1	97.6	98.5	98.6	98.9	99.0
≥ 1000	56.5	72.8	78.9	81.1	84.2	86.5	90.0	91.7	92.2	95.4	97.1	97.7	98.7	98.8	99.1	99.2
≥ 900	56.5	72.8	78.9	81.1	84.2	86.5	90.0	91.8	92.3	95.5	97.1	97.8	98.8	98.9	99.2	99.3
≥ 800	56.5	72.8	78.9	81.1	84.2	86.5	90.0	91.8	92.3	95.5	97.1	97.8	98.8	98.9	99.2	99.3
≥ 700	56.5	72.8	78.9	81.1	84.2	86.5	90.0	91.8	92.3	95.5	97.1	97.8	98.9	98.9	99.3	99.4
≥ 600	56.5	72.8	78.9	81.1	84.2	86.5	90.0	91.8	92.3	95.5	97.1	97.8	98.9	98.9	99.3	99.4
≥ 500	56.5	72.8	78.9	81.1	84.2	86.5	90.0	91.9	92.4	95.7	97.3	98.1	99.1	99.1	99.5	99.6
≥ 400	56.5	72.8	78.9	81.1	84.2	86.5	90.0	91.9	92.4	95.7	97.3	98.1	99.2	99.3	99.6	99.7
≥ 300	56.5	72.8	78.9	81.1	84.2	86.5	90.0	91.9	92.4	95.7	97.3	98.1	99.2	99.3	99.6	99.7
≥ 200	56.5	72.8	78.9	81.1	84.2	86.5	90.0	91.9	92.4	95.7	97.3	98.1	99.2	99.3	99.6	99.7
≥ 100	56.5	72.8	78.9	81.1	84.2	86.5	90.0	91.9	92.4	95.7	97.4	98.1	99.3	99.4	99.7	99.8
≥ 0	56.5	72.8	78.9	81.1	84.2	86.5	90.0	91.9	92.4	95.8	97.5	98.2	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1395

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING	45.3	60.1	66.2	69.4	75.4	78.3	81.6	83.6	84.0	86.3	88.0	88.4	89.1	89.5	89.6	89.7
≥ 20000	46.2	61.5	67.7	71.2	77.2	80.1	83.7	85.7	86.1	88.5	90.2	90.5	91.3	91.7	91.7	91.9
≥ 18000	46.5	62.2	68.5	72.2	78.4	81.6	85.5	87.6	88.0	90.5	92.5	92.9	93.8	94.1	94.2	94.3
≥ 16000	47.4	63.5	69.9	73.6	80.2	83.3	87.4	89.6	90.0	92.6	94.5	95.0	95.8	96.1	96.2	96.4
≥ 14000	48.2	64.6	71.0	74.8	81.3	84.5	88.6	90.8	91.2	93.8	95.7	96.1	97.0	97.3	97.4	97.5
≥ 12000	48.4	65.0	71.5	75.3	81.8	85.0	89.1	91.3	91.7	94.3	96.4	96.8	97.7	98.0	98.1	98.2
≥ 10000	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.5	96.6	97.1	97.9	98.2	98.3	98.5
≥ 9000	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.5	96.6	97.1	97.9	98.2	98.3	98.5
≥ 8000	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.5	96.6	97.1	97.9	98.2	98.3	98.5
≥ 7000	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.5	96.6	97.1	97.9	98.2	98.3	98.5
≥ 6000	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.5	96.6	97.1	97.9	98.2	98.3	98.5
≥ 5000	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.5	96.6	97.1	97.9	98.2	98.3	98.5
≥ 4500	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.5	96.6	97.1	97.9	98.2	98.3	98.5
≥ 4000	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.5	96.6	97.1	97.9	98.2	98.3	98.5
≥ 3500	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.5	96.6	97.1	97.9	98.2	98.3	98.5
≥ 3000	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.5	96.6	97.1	97.9	98.2	98.3	98.5
≥ 2500	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.5	96.6	97.1	97.9	98.2	98.3	98.5
≥ 2000	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.5	96.6	97.2	98.1	98.5	98.6	98.7
≥ 1800	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.5	96.6	97.2	98.1	98.5	98.6	98.7
≥ 1500	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.6	96.8	97.3	98.2	98.7	98.8	98.9
≥ 1200	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.6	96.8	97.3	98.2	98.7	98.8	98.9
≥ 1000	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.6	96.8	97.4	98.4	98.9	99.2	99.3
≥ 900	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.6	96.8	97.4	98.4	98.9	99.2	99.3
≥ 800	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.6	96.8	97.5	98.5	99.0	99.3	99.4
≥ 700	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.6	96.8	97.6	98.7	99.2	99.5	99.6
≥ 600	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.6	96.8	97.6	98.7	99.2	99.5	99.6
≥ 500	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.6	96.8	97.6	98.7	99.2	99.5	99.6
≥ 400	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.6	96.8	97.7	98.9	99.4	99.6	99.8
≥ 300	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.6	96.8	97.7	98.9	99.4	99.6	99.8
≥ 200	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.6	96.8	97.7	98.9	99.4	99.6	99.8
≥ 100	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.6	96.8	97.7	98.9	99.4	99.6	99.8
≥ 0	48.5	65.2	71.7	75.5	82.0	85.2	89.3	91.5	91.9	94.6	96.8	97.7	98.9	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1424

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

40416 0 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1100 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	44.4	59.5	64.2	68.5	77.0	80.4	83.7	86.9	87.4	89.3	90.5	90.7	92.1	92.4	92.7	92.8
≥ 20000	45.3	60.7	65.8	70.4	78.9	82.4	85.8	89.1	89.6	91.5	92.7	92.9	94.3	94.6	94.9	95.0
≥ 18000	45.4	61.0	66.1	70.6	79.4	83.2	86.7	90.1	90.6	92.9	94.1	94.3	95.7	96.0	96.3	96.4
≥ 16000	46.1	61.8	67.0	71.6	80.4	84.4	87.9	91.3	91.8	94.1	95.3	95.5	97.0	97.3	97.7	97.7
≥ 14000	46.5	62.3	67.5	72.1	80.9	84.8	88.3	91.8	92.3	94.6	95.8	96.0	97.5	97.8	98.1	98.2
≥ 12000	46.5	62.3	67.5	72.1	81.0	85.2	88.7	92.2	92.7	95.0	96.2	96.4	97.9	98.2	98.6	98.6
≥ 10000	46.5	62.3	67.5	72.1	81.0	85.2	88.7	92.2	92.7	95.0	96.2	96.4	97.9	98.2	98.6	98.6
≥ 9000	46.5	62.3	67.5	72.1	81.0	85.2	88.7	92.2	92.7	95.0	96.2	96.4	97.9	98.2	98.6	98.6
≥ 8000	46.5	62.3	67.5	72.1	81.0	85.2	88.7	92.2	92.7	95.0	96.2	96.4	97.9	98.2	98.6	98.6
≥ 7000	46.5	62.3	67.5	72.1	81.0	85.2	88.7	92.2	92.7	95.0	96.2	96.4	97.9	98.2	98.6	98.6
≥ 6000	46.5	62.3	67.5	72.1	81.0	85.2	88.7	92.2	92.7	95.0	96.2	96.4	97.9	98.2	98.6	98.6
≥ 5000	46.7	62.5	67.7	72.3	81.1	85.3	88.9	92.3	92.9	95.1	96.4	96.6	98.1	98.4	98.7	98.8
≥ 4500	46.7	62.5	67.7	72.3	81.1	85.3	88.9	92.3	92.9	95.1	96.4	96.6	98.1	98.4	98.7	98.8
≥ 4000	46.7	62.5	67.7	72.3	81.1	85.3	88.9	92.3	92.9	95.1	96.4	96.6	98.1	98.4	98.7	98.8
≥ 3500	46.7	62.5	67.7	72.3	81.1	85.3	88.9	92.3	92.9	95.1	96.4	96.6	98.1	98.4	98.7	98.8
≥ 3000	46.7	62.5	67.7	72.3	81.1	85.3	88.9	92.3	92.9	95.1	96.4	96.6	98.1	98.4	98.7	98.8
≥ 2500	46.7	62.5	67.7	72.3	81.2	85.4	88.9	92.4	92.9	95.2	96.4	96.6	98.1	98.4	98.8	98.8
≥ 2000	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.3	96.5	96.7	98.2	98.5	98.8	98.9
≥ 1800	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.3	96.5	96.7	98.2	98.5	98.8	98.9
≥ 1500	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.4	96.8	97.0	98.5	98.8	99.1	99.2
≥ 1200	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.4	96.8	97.0	98.5	98.8	99.1	99.2
≥ 1000	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.4	96.9	97.2	98.7	99.0	99.3	99.4
≥ 900	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.4	96.9	97.2	98.7	99.0	99.3	99.4
≥ 800	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.4	96.9	97.3	98.8	99.0	99.4	99.5
≥ 700	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.4	96.9	97.3	98.9	99.3	99.7	99.7
≥ 600	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.4	96.9	97.3	98.9	99.3	99.7	99.7
≥ 500	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.5	97.0	97.3	99.0	99.4	99.7	99.8
≥ 400	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.5	97.0	97.3	99.0	99.4	99.7	99.8
≥ 300	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.5	97.0	97.3	99.0	99.4	99.7	99.8
≥ 200	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.5	97.0	97.3	99.0	99.4	99.7	99.8
≥ 100	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.5	97.0	97.3	99.0	99.4	99.7	99.8
≥ 0	46.7	62.5	67.8	72.4	81.3	85.4	89.0	92.5	93.0	95.5	97.0	97.3	99.0	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1457

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

40416O (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	46.0	59.9	65.5	70.2	77.6	80.0	83.8	85.8	86.4	88.6	90.2	90.6	92.3	92.6	92.9	93.1
≥ 20000	46.8	61.2	66.9	71.9	79.4	81.9	85.7	87.8	88.4	90.9	92.4	92.8	94.5	94.8	95.2	95.4
≥ 18000	47.1	61.5	67.3	72.4	80.0	82.7	86.4	88.6	89.2	91.9	93.5	93.9	95.6	95.9	96.2	96.4
≥ 16000	47.5	61.9	67.8	72.9	80.5	83.7	87.5	89.7	90.3	93.1	94.7	95.1	96.8	97.1	97.4	97.6
≥ 14000	47.7	62.4	68.3	73.5	81.0	84.3	88.0	90.2	90.8	93.6	95.2	95.6	97.3	97.6	98.0	98.2
≥ 12000	47.9	62.6	68.5	73.7	81.3	84.6	88.4	90.6	91.2	94.0	95.6	96.0	97.7	98.1	98.4	98.6
≥ 10000	47.9	62.6	68.5	73.7	81.3	84.6	88.4	90.6	91.2	94.0	95.6	96.0	97.7	98.1	98.4	98.6
≥ 9000	47.9	62.6	68.5	73.7	81.3	84.6	88.4	90.6	91.2	94.0	95.6	96.0	97.7	98.1	98.4	98.6
≥ 8000	47.9	62.6	68.5	73.7	81.3	84.6	88.4	90.6	91.2	94.0	95.6	96.0	97.7	98.1	98.4	98.6
≥ 7000	47.9	62.6	68.5	73.7	81.3	84.6	88.4	90.6	91.2	94.0	95.6	96.0	97.7	98.1	98.4	98.6
≥ 6000	47.9	62.6	68.5	73.7	81.3	84.6	88.4	90.6	91.2	94.0	95.6	96.0	97.7	98.1	98.4	98.6
≥ 5000	48.0	62.7	68.6	73.7	81.4	84.7	88.5	90.7	91.3	94.1	95.7	96.1	97.8	98.1	98.5	98.7
≥ 4500	48.0	62.7	68.6	73.7	81.4	84.7	88.6	90.8	91.5	94.3	95.9	96.3	98.0	98.3	98.7	98.9
≥ 4000	48.0	62.7	68.6	73.7	81.4	84.7	88.6	90.8	91.5	94.3	95.9	96.3	98.0	98.3	98.7	98.9
≥ 3500	48.0	62.7	68.6	73.7	81.4	84.7	88.6	90.8	91.5	94.3	95.9	96.3	98.0	98.3	98.7	98.9
≥ 3000	48.0	62.7	68.6	73.7	81.4	84.7	88.6	90.8	91.5	94.3	95.9	96.3	98.0	98.3	98.7	98.9
≥ 2500	48.0	62.7	68.6	73.7	81.4	84.7	88.6	90.8	91.5	94.3	95.9	96.3	98.0	98.3	98.7	98.9
≥ 2000	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.5	96.1	96.5	98.2	98.5	98.9	99.1
≥ 1800	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.5	96.1	96.5	98.2	98.5	98.9	99.1
≥ 1500	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.5	96.2	96.6	98.3	98.6	98.9	99.1
≥ 1200	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.5	96.2	96.6	98.3	98.6	98.9	99.1
≥ 1000	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.6	96.2	96.7	98.4	98.7	99.1	99.3
≥ 900	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.6	96.2	96.7	98.4	98.7	99.1	99.3
≥ 800	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.6	96.2	96.7	98.4	98.7	99.1	99.3
≥ 700	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.6	96.2	96.7	98.6	99.0	99.3	99.5
≥ 600	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.6	96.2	96.7	98.6	99.0	99.3	99.5
≥ 500	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.8	96.4	96.9	98.8	99.2	99.5	99.7
≥ 400	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.8	96.4	96.9	98.8	99.2	99.5	99.7
≥ 300	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.8	96.4	96.9	98.8	99.2	99.5	99.7
≥ 200	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.8	96.4	96.9	98.8	99.2	99.5	99.7
> 100	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.0	91.7	94.8	96.4	96.9	98.8	99.2	99.5	99.7
≥ 0	48.0	62.7	68.6	73.7	81.4	84.7	88.8	91.1	91.7	94.8	96.6	97.1	99.1	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1488

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	0
NO CEILING	53.7	69.5	73.9	78.1	83.6	86.0	89.0	90.9	91.6	92.7	93.7	93.8	94.4	94.4	94.6	94.6
≥ 20000	54.9	71.0	75.5	79.9	85.4	87.9	90.9	92.8	93.5	94.6	95.7	95.7	96.4	96.4	96.6	96.6
≥ 18000	55.2	71.3	75.8	80.3	85.9	88.3	91.4	93.2	94.0	95.1	96.1	96.2	96.8	96.8	97.0	97.0
≥ 16000	55.4	71.6	76.2	80.6	86.2	88.7	91.9	93.8	94.5	95.6	96.6	96.7	97.3	97.4	97.5	97.5
≥ 14000	55.9	72.6	77.2	81.7	87.2	89.7	92.9	94.8	95.5	96.8	97.8	97.9	98.5	98.6	98.7	98.7
≥ 12000	56.0	72.7	77.3	81.7	87.4	89.9	93.1	95.0	95.7	97.0	98.0	98.1	98.7	98.8	98.9	98.9
≥ 10000	56.0	72.7	77.3	81.7	87.4	89.9	93.1	95.0	95.7	97.0	98.0	98.1	98.7	98.8	98.9	98.9
≥ 9000	56.0	72.7	77.3	81.7	87.4	89.9	93.1	95.0	95.7	97.0	98.0	98.1	98.7	98.8	98.9	98.9
≥ 8000	56.0	72.7	77.3	81.7	87.4	89.9	93.1	95.0	95.7	97.0	98.0	98.1	98.7	98.8	98.9	98.9
≥ 7000	56.0	72.7	77.3	81.7	87.4	89.9	93.1	95.0	95.7	97.0	98.0	98.1	98.7	98.8	98.9	98.9
≥ 6000	56.0	72.7	77.3	81.7	87.4	89.9	93.1	95.0	95.7	97.0	98.0	98.1	98.7	98.8	98.9	98.9
≥ 5000	56.0	72.7	77.3	81.7	87.4	89.9	93.1	95.0	95.7	97.0	98.0	98.1	98.7	98.8	98.9	98.9
≥ 4500	56.0	72.7	77.3	81.7	87.4	89.9	93.1	95.0	95.7	97.0	98.0	98.1	98.7	98.8	98.9	98.9
≥ 4000	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.1	95.8	97.0	98.1	98.1	98.8	98.8	99.0	99.0
≥ 3500	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.1	95.8	97.0	98.1	98.1	98.8	98.8	99.0	99.0
≥ 3000	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.1	95.8	97.0	98.1	98.1	98.8	98.8	99.0	99.0
≥ 2500	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.1	95.8	97.0	98.1	98.1	98.8	98.8	99.0	99.0
≥ 2000	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.1	95.8	97.0	98.1	98.1	98.8	98.8	99.0	99.0
≥ 1800	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.1	95.8	97.0	98.1	98.1	98.8	98.8	99.0	99.0
≥ 1500	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.1	95.8	97.0	98.1	98.1	98.8	98.8	99.0	99.0
≥ 1200	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.1	95.8	97.0	98.1	98.1	98.8	98.8	99.0	99.0
≥ 1000	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.2	96.0	97.4	98.4	98.5	99.2	99.2	99.4	99.4
≥ 900	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.2	96.0	97.4	98.4	98.5	99.2	99.2	99.4	99.4
≥ 800	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.2	96.0	97.4	98.4	98.5	99.2	99.3	99.5	99.5
≥ 700	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.3	96.2	97.7	98.7	98.8	99.6	99.7	99.8	99.8
≥ 600	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.3	96.2	97.7	98.7	98.8	99.6	99.7	99.8	99.8
≥ 500	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.3	96.2	97.7	98.7	98.8	99.6	99.7	99.8	99.8
≥ 400	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.3	96.2	97.7	98.7	98.8	99.6	99.7	99.8	99.8
≥ 300	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.3	96.2	97.7	98.7	98.8	99.6	99.7	99.8	99.8
≥ 200	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.3	96.2	97.7	98.7	98.8	99.6	99.7	99.8	99.8
≥ 100	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.3	96.2	97.7	98.7	98.8	99.6	99.7	99.8	99.8
≥ 0	56.0	72.7	77.3	81.7	87.4	89.9	93.2	95.3	96.2	97.7	98.8	98.9	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1457

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

40416 0 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	62.6	76.6	80.4	82.8	85.9	88.0	90.3	91.7	92.2	93.7	94.2	94.2	94.4	94.4	94.4	94.4
≥ 20000	63.6	78.0	81.9	84.3	87.8	89.9	92.1	93.6	94.1	95.6	96.1	96.1	96.2	96.2	96.2	96.3
≥ 18000	64.1	78.5	82.4	84.9	88.4	90.5	92.7	94.2	94.7	96.2	96.7	96.7	96.8	96.8	96.8	96.9
≥ 16000	64.6	79.3	83.2	85.8	89.3	91.5	93.8	95.2	95.7	97.2	97.7	97.7	97.8	97.8	97.8	97.9
≥ 14000	65.3	80.4	84.3	86.8	90.4	92.5	94.8	96.3	96.8	98.3	98.8	98.8	98.9	98.9	98.9	99.0
≥ 12000	65.3	80.4	84.3	86.9	90.7	92.8	95.1	96.6	97.0	98.5	99.1	99.1	99.2	99.2	99.2	99.3
≥ 10000	65.3	80.4	84.3	86.9	90.7	92.8	95.1	96.6	97.0	98.5	99.1	99.1	99.2	99.2	99.2	99.3
≥ 9000	65.3	80.4	84.3	86.9	90.7	92.8	95.1	96.6	97.0	98.5	99.1	99.1	99.2	99.2	99.2	99.3
≥ 8000	65.3	80.4	84.3	86.9	90.7	92.8	95.1	96.6	97.0	98.5	99.1	99.1	99.2	99.2	99.2	99.3
≥ 7000	65.3	80.4	84.3	86.9	90.7	92.8	95.1	96.6	97.0	98.5	99.1	99.1	99.2	99.2	99.2	99.3
≥ 6000	65.3	80.4	84.3	86.9	90.7	92.8	95.1	96.6	97.0	98.5	99.1	99.1	99.2	99.2	99.2	99.3
≥ 5000	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.7	97.2	98.7	99.2	99.2	99.3	99.3	99.3	99.4
≥ 4500	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.7	97.2	98.7	99.2	99.2	99.3	99.3	99.3	99.4
≥ 4000	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.7	99.3	99.3	99.4	99.4	99.4	99.5
≥ 3500	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.7	99.3	99.3	99.4	99.4	99.4	99.5
≥ 3000	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.7	99.3	99.3	99.4	99.4	99.4	99.5
≥ 2500	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.7	99.3	99.3	99.4	99.4	99.4	99.5
≥ 2000	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.7	99.3	99.3	99.4	99.4	99.4	99.5
≥ 1800	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.7	99.3	99.3	99.4	99.4	99.4	99.5
≥ 1500	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.7	99.3	99.3	99.4	99.4	99.4	99.5
≥ 1200	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.7	99.3	99.3	99.4	99.4	99.4	99.5
≥ 1000	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.7	99.3	99.3	99.6	99.6	99.6	99.7
≥ 900	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.7	99.3	99.3	99.6	99.6	99.6	99.7
≥ 800	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.8	99.3	99.3	99.7	99.7	99.7	99.8
≥ 700	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.8	99.3	99.3	99.7	99.7	99.7	99.8
≥ 600	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.8	99.3	99.3	99.7	99.7	99.7	99.8
≥ 500	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.8	99.3	99.3	99.7	99.7	99.7	99.8
≥ 400	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.8	99.3	99.3	99.7	99.7	99.7	99.8
≥ 300	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.8	99.3	99.3	99.7	99.7	99.7	99.8
≥ 200	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.8	99.3	99.3	99.7	99.7	99.7	99.8
≥ 100	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.8	99.3	99.3	99.7	99.7	99.7	99.8
≥ 0	65.5	80.6	84.5	87.0	90.8	92.9	95.2	96.8	97.2	98.8	99.3	99.3	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1488

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

40416O (STATION) CHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	64.0	78.1	81.6	83.6	87.0	89.2	90.6	91.6	91.8	93.1	93.3	93.3	93.4	93.4	93.5	93.5
≥ 20000	64.3	78.9	82.5	84.4	87.9	90.1	91.5	92.6	92.8	94.2	94.5	94.5	94.6	94.6	94.7	94.7
≥ 18000	64.9	79.8	83.4	85.4	88.9	91.1	92.5	93.7	93.9	95.3	95.5	95.6	95.7	95.7	95.7	95.7
≥ 16000	65.6	80.9	84.6	86.7	90.2	92.4	93.8	95.0	95.2	96.6	96.8	96.8	96.9	96.9	97.0	97.0
≥ 14000	66.7	82.5	86.1	88.2	91.7	93.9	95.3	96.5	96.7	98.1	98.3	98.4	98.5	98.5	98.5	98.5
≥ 12000	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.4	98.6	98.7	98.7	98.7	98.8	98.8
≥ 10000	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.4	98.6	98.7	98.7	98.7	98.8	98.8
≥ 9000	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.4	98.6	98.7	98.7	98.7	98.8	98.8
≥ 8000	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.4	98.6	98.7	98.7	98.7	98.8	98.8
≥ 7000	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.4	98.6	98.7	98.7	98.7	98.8	98.8
≥ 6000	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.4	98.6	98.7	98.7	98.7	98.8	98.8
≥ 5000	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.4	98.6	98.7	98.7	98.7	98.8	98.8
≥ 4500	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.4	98.6	98.7	98.7	98.7	98.8	98.8
≥ 4000	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.4	98.6	98.7	98.7	98.7	98.8	98.8
≥ 3500	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.4	98.6	98.7	98.7	98.7	98.8	98.8
≥ 3000	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.4	98.6	98.7	98.7	98.7	98.8	98.8
≥ 2500	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.4	98.6	98.7	98.7	98.7	98.8	98.8
≥ 2000	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.5	98.7	98.8	98.9	98.9	98.9	98.9
≥ 1800	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.0	98.5	98.7	98.8	98.9	98.9	98.9	98.9
≥ 1500	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.1	98.7	99.0	99.1	99.2	99.2	99.2	99.2
≥ 1200	66.8	82.5	86.2	88.3	92.0	94.2	95.6	96.8	97.1	98.7	99.0	99.1	99.2	99.2	99.2	99.2
≥ 1000	66.8	82.5	86.2	88.4	92.1	94.2	95.7	96.8	97.1	98.9	99.2	99.2	99.5	99.5	99.6	99.6
≥ 900	66.8	82.5	86.2	88.4	92.1	94.2	95.7	96.8	97.1	98.9	99.2	99.2	99.5	99.5	99.6	99.6
≥ 800	66.8	82.5	86.2	88.4	92.1	94.2	95.7	96.8	97.1	98.9	99.2	99.2	99.5	99.5	99.6	99.6
≥ 700	66.8	82.5	86.2	88.4	92.1	94.2	95.7	96.8	97.1	98.9	99.2	99.2	99.5	99.5	99.6	99.6
≥ 600	66.8	82.5	86.2	88.4	92.1	94.2	95.7	96.8	97.1	98.9	99.2	99.2	99.5	99.5	99.6	99.6
≥ 500	66.8	82.5	86.2	88.4	92.1	94.2	95.7	96.9	97.3	99.0	99.3	99.4	99.6	99.6	99.8	99.8
≥ 400	66.8	82.5	86.2	88.4	92.1	94.2	95.7	96.9	97.3	99.0	99.3	99.4	99.6	99.6	99.8	99.8
≥ 300	66.8	82.5	86.2	88.4	92.1	94.2	95.7	96.9	97.3	99.0	99.3	99.4	99.6	99.6	99.8	99.8
≥ 200	66.8	82.5	86.2	88.4	92.1	94.2	95.7	96.9	97.3	99.0	99.3	99.4	99.6	99.6	99.8	99.8
≥ 100	66.8	82.5	86.2	88.4	92.1	94.2	95.7	96.9	97.3	99.0	99.3	99.4	99.6	99.6	99.8	99.8
≥ 0	66.8	82.5	86.2	88.4	92.1	94.2	95.7	96.9	97.3	99.0	99.3	99.4	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1426

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

40416C (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) JUL (MONTH)

ALL (HOURS L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	53.8	68.5	73.1	76.2	81.1	83.6	86.4	88.2	88.7	90.6	91.5	91.8	92.5	92.6	92.8	92.9
≥ 20000	54.6	69.6	74.4	77.6	82.6	85.0	87.9	89.8	90.3	92.3	93.3	93.5	94.2	94.3	94.5	94.6
≥ 18000	55.0	70.2	75.0	78.3	83.3	85.9	88.8	90.8	91.3	93.4	94.4	94.6	95.4	95.5	95.7	95.8
≥ 16000	55.7	71.1	76.0	79.3	84.4	87.1	90.1	92.1	92.6	94.7	95.7	96.0	96.7	96.9	97.1	97.1
≥ 14000	56.3	72.1	77.0	80.3	85.5	88.1	91.1	93.1	93.6	95.7	96.8	97.0	97.8	97.9	98.1	98.2
≥ 12000	56.4	72.3	77.2	80.5	85.7	88.4	91.5	93.4	93.9	96.1	97.1	97.4	98.2	98.3	98.5	98.6
≥ 10000	56.5	72.3	77.2	80.6	85.8	88.5	91.5	93.5	94.0	96.1	97.2	97.5	98.2	98.4	98.6	98.6
≥ 9000	56.5	72.3	77.2	80.6	85.8	88.5	91.5	93.5	94.0	96.1	97.2	97.5	98.2	98.4	98.6	98.6
≥ 8000	56.5	72.3	77.2	80.6	85.8	88.5	91.5	93.5	94.0	96.1	97.2	97.5	98.2	98.4	98.6	98.6
≥ 7000	56.5	72.3	77.2	80.6	85.8	88.5	91.5	93.5	94.0	96.1	97.2	97.5	98.2	98.4	98.6	98.6
≥ 6000	56.5	72.3	77.2	80.6	85.8	88.5	91.6	93.5	94.0	96.2	97.2	97.5	98.2	98.4	98.6	98.6
≥ 5000	56.5	72.4	77.3	80.6	85.9	88.6	91.6	93.6	94.1	96.2	97.3	97.5	98.3	98.4	98.6	98.7
≥ 4500	56.5	72.4	77.3	80.6	85.9	88.6	91.6	93.6	94.1	96.2	97.3	97.6	98.3	98.5	98.6	98.7
≥ 4000	56.5	72.4	77.3	80.6	85.9	88.6	91.6	93.6	94.1	96.3	97.3	97.6	98.3	98.5	98.7	98.7
≥ 3500	56.5	72.4	77.3	80.6	85.9	88.6	91.6	93.6	94.1	96.3	97.3	97.6	98.3	98.5	98.7	98.7
≥ 3000	56.5	72.4	77.3	80.6	85.9	88.6	91.6	93.6	94.1	96.3	97.3	97.6	98.3	98.5	98.7	98.7
≥ 2500	56.5	72.4	77.3	80.6	85.9	88.6	91.6	93.6	94.1	96.3	97.3	97.6	98.4	98.5	98.7	98.8
≥ 2000	56.5	72.4	77.3	80.7	85.9	88.6	91.7	93.7	94.2	96.4	97.5	97.7	98.5	98.6	98.9	98.9
≥ 1800	56.5	72.4	77.3	80.7	85.9	88.6	91.7	93.7	94.2	96.4	97.5	97.7	98.5	98.6	98.9	98.9
≥ 1500	56.5	72.4	77.3	80.7	85.9	88.6	91.7	93.7	94.2	96.4	97.6	97.9	98.7	98.8	99.0	99.1
≥ 1200	56.5	72.4	77.3	80.7	85.9	88.6	91.7	93.7	94.2	96.5	97.6	97.9	98.7	98.8	99.1	99.1
≥ 1000	56.5	72.4	77.3	80.7	85.9	88.7	91.7	93.7	94.3	96.5	97.7	98.1	98.9	99.1	99.3	99.4
≥ 900	56.5	72.4	77.3	80.7	85.9	88.7	91.7	93.8	94.3	96.5	97.7	98.1	99.0	99.1	99.3	99.4
≥ 800	56.5	72.4	77.3	80.7	85.9	88.7	91.7	93.8	94.3	96.6	97.8	98.1	99.0	99.2	99.4	99.5
≥ 700	56.5	72.4	77.3	80.7	85.9	88.7	91.7	93.8	94.3	96.6	97.8	98.2	99.1	99.3	99.5	99.6
≥ 600	56.5	72.4	77.3	80.7	85.9	88.7	91.7	93.8	94.3	96.6	97.8	98.2	99.1	99.3	99.6	99.6
≥ 500	56.5	72.4	77.3	80.7	86.0	88.7	91.8	93.8	94.3	96.7	97.9	98.3	99.2	99.4	99.7	99.7
≥ 400	56.5	72.4	77.3	80.7	86.0	88.7	91.8	93.8	94.3	96.7	97.9	98.3	99.3	99.4	99.7	99.8
≥ 300	56.5	72.4	77.3	80.7	86.0	88.7	91.8	93.8	94.3	96.7	97.9	98.3	99.3	99.4	99.7	99.8
≥ 200	56.5	72.4	77.3	80.7	86.0	88.7	91.8	93.8	94.3	96.7	97.9	98.3	99.3	99.4	99.7	99.8
≥ 100	56.5	72.4	77.3	80.7	86.0	88.7	91.8	93.8	94.3	96.7	97.9	98.3	99.3	99.5	99.7	99.8
≥ 0	56.5	72.4	77.3	80.7	86.0	88.7	91.8	93.8	94.3	96.7	98.0	98.4	99.4	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 11532

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

40416C (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOUR LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	70.7	87.3	89.6	90.5	92.4	94.1	95.1	95.7	95.9	96.0	96.0	96.0	96.0	96.1	96.1	96.1
≥ 20000	70.7	87.3	89.7	90.5	92.5	94.2	95.3	95.9	96.1	96.2	96.2	96.2	96.2	96.3	96.3	96.3
≥ 18000	71.8	88.5	90.8	91.9	94.0	95.7	96.8	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8
≥ 16000	72.1	88.8	91.2	92.3	94.3	96.1	97.2	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 14000	72.5	89.2	91.7	92.8	94.8	96.6	97.7	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 12000	72.5	89.5	91.9	93.0	95.1	96.8	97.9	98.5	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 10000	72.5	89.5	91.9	93.0	95.1	96.8	97.9	98.5	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 9000	72.5	89.5	91.9	93.0	95.1	96.8	97.9	98.5	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 8000	72.5	89.5	91.9	93.0	95.1	96.8	97.9	98.5	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 7000	72.5	89.5	91.9	93.0	95.1	96.8	97.9	98.5	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 6000	72.5	89.5	91.9	93.0	95.1	96.8	97.9	98.5	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 5000	72.5	89.5	91.9	93.0	95.1	96.8	97.9	98.5	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 4500	72.5	89.5	91.9	93.0	95.1	96.8	97.9	98.5	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 4000	72.6	89.7	92.1	93.2	95.3	97.0	98.1	98.7	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 3500	72.6	89.7	92.1	93.2	95.3	97.0	98.1	98.7	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 3000	72.6	89.7	92.1	93.2	95.3	97.0	98.1	98.8	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 2500	72.6	89.7	92.1	93.2	95.3	97.0	98.1	98.8	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 2000	72.7	89.7	92.2	93.3	95.5	97.2	98.4	99.1	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 1800	72.7	89.7	92.2	93.3	95.5	97.3	98.4	99.1	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 1500	72.7	89.8	92.3	93.3	95.6	97.3	98.5	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	72.7	89.8	92.3	93.3	95.6	97.3	98.5	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	72.7	89.8	92.3	93.3	95.6	97.3	98.5	99.2	99.4	99.6	99.6	99.6	99.8	99.9	99.9	99.9
≥ 900	72.7	89.8	92.3	93.3	95.6	97.3	98.5	99.2	99.4	99.6	99.6	99.6	99.8	99.9	99.9	99.9
≥ 800	72.7	89.8	92.3	93.3	95.6	97.3	98.5	99.2	99.4	99.6	99.6	99.6	99.8	99.9	99.9	99.9
≥ 700	72.7	89.8	92.3	93.3	95.6	97.3	98.5	99.2	99.4	99.6	99.6	99.6	99.8	99.9	99.9	99.9
≥ 600	72.7	89.8	92.3	93.3	95.6	97.3	98.5	99.2	99.4	99.6	99.6	99.6	99.8	99.9	99.9	99.9
≥ 500	72.7	89.8	92.3	93.3	95.6	97.3	98.5	99.2	99.4	99.6	99.6	99.6	99.8	99.9	99.9	99.9
≥ 400	72.7	89.8	92.3	93.3	95.6	97.3	98.5	99.2	99.4	99.6	99.6	99.6	99.8	99.9	99.9	99.9
≥ 300	72.7	89.8	92.3	93.3	95.6	97.3	98.5	99.2	99.4	99.6	99.6	99.6	99.8	99.9	99.9	99.9
≥ 200	72.7	89.8	92.3	93.3	95.6	97.3	98.5	99.2	99.4	99.6	99.6	99.6	99.8	99.9	99.9	99.9
≥ 100	72.7	89.8	92.3	93.3	95.6	97.3	98.5	99.2	99.4	99.6	99.6	99.6	99.8	99.9	99.9	99.9
≥ 0	72.7	89.8	92.3	93.3	95.6	97.3	98.5	99.2	99.4	99.6	99.6	99.6	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

40416D (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	<¼
NO CEILING	63.9	81.4	84.4	86.6	89.5	91.3	93.1	93.5	93.8	94.4	94.6	94.6	94.9	95.0	95.1	95.4
≥ 20000	64.0	81.6	84.5	86.7	89.6	91.5	93.3	93.6	94.0	94.6	94.7	94.8	95.1	95.1	95.3	95.6
≥ 18000	64.8	82.4	85.5	87.7	90.6	92.5	94.4	94.8	95.2	95.8	95.9	96.0	96.3	96.3	96.5	96.8
≥ 16000	65.2	82.9	86.0	88.3	91.2	93.1	95.1	95.6	95.9	96.5	96.6	96.7	97.0	97.1	97.2	97.5
≥ 14000	65.7	83.6	86.8	89.2	92.0	94.0	96.1	96.6	96.9	97.5	97.6	97.7	98.0	98.1	98.2	98.5
≥ 12000	65.9	83.9	87.2	89.5	92.4	94.3	96.4	96.9	97.3	97.8	98.0	98.1	98.4	98.4	98.6	98.9
≥ 10000	65.9	84.0	87.2	89.6	92.5	94.4	96.5	97.0	97.3	97.9	98.1	98.1	98.4	98.5	98.6	98.9
≥ 9000	65.9	84.0	87.2	89.6	92.5	94.4	96.5	97.0	97.3	97.9	98.1	98.1	98.4	98.5	98.6	98.9
≥ 8000	65.9	84.0	87.2	89.6	92.5	94.4	96.5	97.0	97.3	97.9	98.1	98.1	98.4	98.5	98.6	98.9
≥ 7000	65.9	84.0	87.2	89.6	92.5	94.4	96.5	97.0	97.3	97.9	98.1	98.1	98.4	98.5	98.6	98.9
≥ 6000	65.9	84.0	87.2	89.6	92.5	94.5	96.6	97.1	97.4	98.0	98.1	98.2	98.5	98.6	98.7	99.0
≥ 5000	65.9	84.0	87.2	89.6	92.5	94.5	96.6	97.1	97.4	98.0	98.1	98.2	98.5	98.6	98.7	99.0
≥ 4500	65.9	84.0	87.2	89.6	92.5	94.5	96.6	97.1	97.4	98.0	98.1	98.2	98.5	98.6	98.7	99.0
≥ 4000	65.9	84.1	87.4	89.7	92.6	94.6	96.7	97.2	97.6	98.1	98.3	98.4	98.6	98.7	98.9	99.1
≥ 3500	65.9	84.1	87.4	89.7	92.6	94.6	96.7	97.2	97.6	98.1	98.3	98.4	98.6	98.7	98.9	99.1
≥ 3000	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.2	98.4	98.4	98.7	98.8	98.9	99.2
≥ 2500	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.2	98.4	98.4	98.7	98.8	98.9	99.2
≥ 2000	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.2	98.4	98.4	98.7	98.8	98.9	99.2
≥ 1800	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.2	98.4	98.4	98.7	98.8	98.9	99.2
≥ 1500	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.2	98.4	98.4	98.7	98.8	98.9	99.2
≥ 1200	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.2	98.4	98.4	98.7	98.8	98.9	99.2
≥ 1000	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.2	98.4	98.4	98.9	99.0	99.1	99.4
≥ 900	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.2	98.4	98.4	98.9	99.0	99.1	99.4
≥ 800	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.2	98.4	98.4	98.9	99.0	99.2	99.5
≥ 700	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.3	98.4	98.5	99.0	99.1	99.3	99.6
≥ 600	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.3	98.4	98.5	99.0	99.1	99.3	99.6
≥ 500	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.3	98.4	98.5	99.0	99.1	99.3	99.6
≥ 400	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.3	98.4	98.5	99.0	99.1	99.3	99.6
≥ 300	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.3	98.4	98.5	99.0	99.1	99.3	99.6
≥ 200	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.3	98.4	98.5	99.0	99.1	99.4	99.6
≥ 100	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.3	98.4	98.5	99.0	99.1	99.4	99.7
≥ 0	66.0	84.2	87.5	89.8	92.7	94.7	96.8	97.3	97.6	98.3	98.4	98.5	99.1	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) ANN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (GMT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥¼	<¼
NO CEILING	56.4	72.0	76.8	79.9	84.2	87.0	89.3	90.3	91.0	92.3	92.8	92.9	93.2	93.3	93.3	93.8
≥ 20000	56.3	72.5	77.2	80.3	84.7	87.4	89.8	90.7	91.5	92.7	93.2	93.3	93.6	93.7	93.8	94.2
≥ 18000	57.7	73.5	78.5	81.6	86.1	88.9	91.4	92.4	93.1	94.3	94.8	94.9	95.2	95.3	95.4	95.8
≥ 16000	58.4	74.3	79.3	82.4	87.0	89.8	92.4	93.6	94.3	95.6	96.1	96.1	96.5	96.6	96.6	97.1
≥ 14000	59.1	75.1	80.1	83.3	87.9	90.8	93.6	94.9	95.6	96.9	97.4	97.5	97.8	97.9	98.0	98.4
≥ 12000	59.2	75.2	80.2	83.3	88.0	90.9	93.8	95.1	95.8	97.1	97.6	97.7	98.0	98.1	98.2	98.6
≥ 11000	59.4	75.3	80.3	83.5	88.2	91.1	94.3	95.5	96.2	97.5	98.0	98.1	98.5	98.5	98.6	99.0
≥ 10000	59.4	75.3	80.3	83.5	88.2	91.1	94.3	95.5	96.2	97.5	98.0	98.1	98.5	98.5	98.6	99.0
≥ 9000	59.4	75.3	80.3	83.5	88.2	91.1	94.3	95.5	96.2	97.5	98.0	98.1	98.5	98.5	98.6	99.0
≥ 8000	59.4	75.3	80.3	83.5	88.2	91.1	94.3	95.5	96.2	97.5	98.0	98.1	98.5	98.5	98.6	99.0
≥ 7000	59.4	75.3	80.3	83.5	88.2	91.1	94.3	95.5	96.2	97.5	98.0	98.1	98.5	98.5	98.6	99.0
≥ 6000	59.4	75.3	80.3	83.5	88.2	91.2	94.3	95.6	96.3	97.6	98.1	98.2	98.5	98.6	98.7	99.1
≥ 5000	59.4	75.3	80.3	83.5	88.2	91.2	94.3	95.6	96.3	97.6	98.1	98.2	98.5	98.6	98.7	99.1
≥ 4500	59.4	75.3	80.3	83.5	88.2	91.2	94.3	95.6	96.3	97.6	98.1	98.2	98.5	98.6	98.7	99.1
≥ 4000	59.4	75.3	80.3	83.5	88.2	91.2	94.3	95.6	96.3	97.6	98.1	98.2	98.5	98.6	98.7	99.1
≥ 3500	59.4	75.3	80.3	83.5	88.2	91.2	94.3	95.6	96.3	97.6	98.1	98.2	98.5	98.6	98.7	99.1
≥ 3000	59.4	75.3	80.4	83.5	88.3	91.2	94.4	95.7	96.4	97.7	98.2	98.2	98.6	98.7	98.7	99.2
≥ 2500	59.4	75.3	80.4	83.5	88.3	91.2	94.4	95.7	96.4	97.7	98.2	98.2	98.6	98.7	98.7	99.2
≥ 2000	59.4	75.3	80.4	83.5	88.3	91.2	94.5	95.7	96.4	97.8	98.2	98.3	98.7	98.7	98.8	99.2
≥ 1800	59.4	75.3	80.4	83.5	88.3	91.2	94.5	95.7	96.4	97.8	98.2	98.3	98.7	98.7	98.8	99.2
≥ 1600	59.4	75.4	80.4	83.6	88.4	91.3	94.5	95.8	96.5	97.8	98.3	98.4	98.7	98.8	98.9	99.3
≥ 1400	59.4	75.4	80.4	83.6	88.4	91.3	94.5	95.8	96.5	97.9	98.4	98.5	99.0	99.1	99.2	99.6
≥ 1200	59.4	75.4	80.4	83.6	88.4	91.3	94.5	95.8	96.5	97.9	98.4	98.5	99.0	99.1	99.2	99.6
≥ 1000	59.4	75.4	80.4	83.6	88.4	91.3	94.5	95.8	96.5	97.9	98.4	98.5	99.0	99.1	99.2	99.6
≥ 900	59.4	75.4	80.4	83.6	88.4	91.3	94.5	95.8	96.5	97.9	98.4	98.5	99.0	99.1	99.2	99.6
≥ 800	59.4	75.4	80.4	83.6	88.4	91.3	94.5	95.8	96.5	97.9	98.4	98.5	99.0	99.1	99.2	99.6
≥ 700	59.4	75.4	80.4	83.6	88.4	91.3	94.7	95.9	96.6	98.1	98.6	98.7	99.2	99.3	99.4	99.8
≥ 600	59.4	75.4	80.4	83.6	88.4	91.3	94.7	95.9	96.6	98.1	98.6	98.7	99.2	99.3	99.4	99.8
≥ 500	59.4	75.4	80.4	83.6	88.4	91.3	94.7	95.9	96.6	98.1	98.6	98.7	99.3	99.4	99.5	99.9
≥ 400	59.4	75.4	80.4	83.6	88.4	91.3	94.7	95.9	96.6	98.1	98.6	98.7	99.3	99.4	99.5	100.0
≥ 300	59.4	75.4	80.4	83.6	88.4	91.3	94.7	95.9	96.6	98.1	98.6	98.7	99.3	99.4	99.5	100.0
≥ 200	59.4	75.4	80.4	83.6	88.4	91.3	94.7	95.9	96.6	98.1	98.6	98.7	99.3	99.4	99.5	100.0
≥ 100	59.4	75.4	80.4	83.6	88.4	91.3	94.7	95.9	96.6	98.1	98.6	98.7	99.3	99.4	99.5	100.0
≥ 0	59.4	75.4	80.4	83.6	88.4	91.3	94.7	95.9	96.6	98.1	98.6	98.7	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1427

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

403160 DHAHRAN SAUDI ARABIA 46-61
STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	
NO CEILING	60.1	73.7	78.2	81.4	87.6	90.4	93.6	94.6	94.9	95.3	95.5	95.5	95.9	95.9	95.9	
≥ 20000	60.3	74.1	79.6	82.0	88.1	90.9	94.2	95.1	95.4	95.9	96.0	96.1	96.4	96.4	96.4	
≥ 18000	60.8	74.6	79.3	82.7	89.0	91.8	95.0	96.0	96.4	96.9	97.1	97.1	97.5	97.5	97.5	
≥ 6000	61.1	75.0	79.8	83.2	89.4	92.2	95.5	96.5	97.0	97.5	97.9	97.9	98.3	98.4	98.4	
≥ 4000	61.6	75.5	80.2	83.7	90.0	92.8	96.0	97.1	97.5	98.1	98.4	98.5	98.8	98.9	98.9	
≥ 3000	61.7	75.7	80.5	84.0	90.2	93.0	96.3	97.4	97.8	98.4	98.8	98.8	99.2	99.2	99.2	
≥ 2500	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 2000	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 1800	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 1500	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 1200	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 1000	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 900	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 800	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 700	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 600	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 500	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 450	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 400	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 350	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 300	61.7	75.7	80.5	84.0	90.3	93.1	96.5	97.6	98.1	98.6	99.0	99.0	99.4	99.5	99.5	
≥ 250	61.8	75.8	80.5	84.0	90.3	93.2	96.6	97.7	98.1	98.7	99.0	99.1	99.5	99.5	99.5	
≥ 200	61.8	75.8	80.5	84.0	90.3	93.2	96.6	97.7	98.1	98.7	99.0	99.1	99.5	99.5	99.5	
≥ 175	61.8	75.8	80.5	84.0	90.3	93.2	96.6	97.7	98.2	98.8	99.1	99.2	99.5	99.6	99.6	
≥ 150	61.8	75.8	80.5	84.0	90.3	93.2	96.6	97.7	98.2	98.8	99.1	99.2	99.5	99.6	99.6	
≥ 125	61.8	75.8	80.5	84.0	90.3	93.2	96.6	97.8	98.4	99.0	99.3	99.4	99.7	99.8	99.8	
≥ 100	61.8	75.8	80.5	84.0	90.3	93.2	96.6	97.8	98.4	99.0	99.3	99.4	99.7	99.8	99.8	
≥ 90	61.8	75.8	80.5	84.0	90.3	93.2	96.6	97.8	98.4	99.0	99.3	99.4	99.7	99.8	99.8	
≥ 80	61.8	75.8	80.5	84.0	90.3	93.2	96.6	97.8	98.4	99.0	99.3	99.4	99.7	99.8	99.8	
≥ 70	61.8	75.8	80.5	84.0	90.3	93.2	96.6	97.8	98.4	99.0	99.3	99.4	99.7	99.8	99.8	
≥ 60	61.8	75.8	80.5	84.0	90.3	93.2	96.6	97.8	98.4	99.0	99.3	99.4	99.7	99.8	99.8	
≥ 50	61.8	75.8	80.5	84.0	90.4	93.3	96.7	97.9	98.6	99.1	99.5	99.6	99.9	100.0	100.0	
≥ 40	61.8	75.8	80.5	84.0	90.4	93.3	96.7	97.9	98.6	99.1	99.5	99.6	99.9	100.0	100.0	
≥ 30	61.8	75.8	80.5	84.0	90.4	93.3	96.7	97.9	98.6	99.1	99.5	99.6	99.9	100.0	100.0	
≥ 20	61.8	75.8	80.5	84.0	90.4	93.3	96.7	97.9	98.6	99.1	99.5	99.6	99.9	100.0	100.0	
≥ 10	61.8	75.8	80.5	84.0	90.4	93.3	96.7	97.9	98.6	99.1	99.5	99.6	99.9	100.0	100.0	
0	61.8	75.8	80.5	84.0	90.4	93.3	96.7	97.9	98.6	99.1	99.5	99.6	99.9	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 14553

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	63.8	77.1	81.3	86.3	90.3	92.8	94.8	95.5	95.8	96.4	96.5	96.7	97.2	97.2	97.2	97.2
≥ 20000	64.5	77.8	82.1	87.1	91.1	93.6	95.6	96.3	96.6	97.2	97.3	97.5	98.1	98.1	98.1	98.1
≥ 18000	64.7	78.0	82.4	87.5	91.6	94.2	96.2	96.8	97.2	97.8	97.9	98.1	98.7	98.7	98.7	98.7
≥ 16000	64.9	78.2	82.6	87.7	91.8	94.4	96.4	97.1	97.4	98.1	98.3	98.5	99.0	99.1	99.1	99.1
≥ 14000	64.9	78.4	82.8	87.9	92.0	94.6	96.6	97.3	97.6	98.3	98.5	98.7	99.2	99.3	99.3	99.3
≥ 12000	65.1	78.6	83.0	88.1	92.2	94.8	96.9	97.6	98.0	98.6	98.8	99.0	99.5	99.6	99.6	99.6
≥ 11000	65.1	78.6	83.0	88.1	92.2	94.8	96.9	97.6	98.0	98.6	98.8	99.0	99.5	99.6	99.6	99.6
≥ 10000	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.7	98.1	98.7	98.9	99.1	99.6	99.7	99.7	99.7
≥ 9000	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.7	98.1	98.7	98.9	99.1	99.6	99.7	99.7	99.7
≥ 8000	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.7	98.1	98.7	98.9	99.1	99.6	99.7	99.7	99.7
≥ 7000	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.7	98.1	98.7	98.9	99.1	99.6	99.7	99.7	99.7
≥ 6000	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.7	98.1	98.7	98.9	99.1	99.6	99.7	99.7	99.7
≥ 5000	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.7	98.1	98.7	98.9	99.1	99.6	99.7	99.7	99.7
≥ 4500	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.7	98.1	98.7	98.9	99.1	99.6	99.7	99.7	99.7
≥ 4000	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.7	98.1	98.7	98.9	99.1	99.6	99.7	99.7	99.7
≥ 3500	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.7	98.1	98.7	98.9	99.1	99.6	99.7	99.7	99.7
≥ 3000	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.7	98.1	98.7	98.9	99.1	99.6	99.7	99.7	99.7
≥ 2500	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.7	98.1	98.7	98.9	99.1	99.6	99.7	99.7	99.7
≥ 2000	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.7	98.1	98.7	98.9	99.1	99.6	99.7	99.7	99.7
≥ 1800	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.8	98.1	98.7	98.9	99.1	99.7	99.7	99.7	99.7
≥ 1500	65.2	78.7	83.1	88.2	92.3	94.8	97.0	97.8	98.2	98.8	99.0	99.2	99.7	99.8	99.8	99.8
≥ 1200	65.2	78.7	83.1	88.3	92.4	95.0	97.1	97.9	98.3	98.9	99.1	99.3	99.9	99.9	99.9	99.9
≥ 1000	65.2	78.7	83.1	88.3	92.4	95.0	97.1	97.9	98.3	98.9	99.1	99.3	99.9	99.9	99.9	99.9
≥ 900	65.2	78.7	83.1	88.3	92.5	95.0	97.2	98.0	98.4	99.0	99.2	99.4	99.9	100.0	100.0	100.0
≥ 800	65.2	78.7	83.1	88.3	92.5	95.0	97.2	98.0	98.4	99.0	99.2	99.4	99.9	100.0	100.0	100.0
≥ 700	65.2	78.7	83.1	88.3	92.5	95.0	97.2	98.0	98.4	99.0	99.2	99.4	99.9	100.0	100.0	100.0
≥ 600	65.2	78.7	83.1	88.3	92.5	95.0	97.2	98.0	98.4	99.0	99.2	99.4	99.9	100.0	100.0	100.0
≥ 500	65.2	78.7	83.1	88.3	92.5	95.0	97.2	98.0	98.4	99.0	99.2	99.4	99.9	100.0	100.0	100.0
≥ 400	65.2	78.7	83.1	88.3	92.5	95.0	97.2	98.0	98.4	99.0	99.2	99.4	99.9	100.0	100.0	100.0
≥ 300	65.2	78.7	83.1	88.3	92.5	95.0	97.2	98.0	98.4	99.0	99.2	99.4	99.9	100.0	100.0	100.0
≥ 200	65.2	78.7	83.1	88.3	92.5	95.0	97.2	98.0	98.4	99.0	99.2	99.4	99.9	100.0	100.0	100.0
≥ 100	65.2	78.7	83.1	88.3	92.5	95.0	97.2	98.0	98.4	99.0	99.2	99.4	99.9	100.0	100.0	100.0
≥ 0	65.2	78.7	83.1	88.3	92.5	95.0	97.2	98.0	98.4	99.0	99.2	99.4	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1488

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404160 STATION | DHAHRAN SAUDI ARABIA STATION NAME | 46-61 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 GMT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼
NO CEILING	69.9	84.1	86.8	90.6	93.7	94.6	95.7	96.4	96.5	97.1	97.3	97.4	97.5	97.5	97.5	97.5
≥ 20000	70.8	85.0	87.7	91.5	94.6	95.5	96.6	97.3	97.4	98.0	98.1	98.3	98.4	98.4	98.4	98.4
≥ 18000	71.2	85.5	88.3	92.1	95.2	96.1	97.3	97.9	98.0	98.6	98.8	98.9	99.0	99.0	99.0	99.0
≥ 16000	71.4	85.7	88.5	92.3	95.4	96.3	97.5	98.2	98.4	99.0	99.2	99.3	99.4	99.4	99.4	99.4
≥ 14000	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 12000	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 10000	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 9000	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 8000	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 7000	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 6000	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 5000	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 4500	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 4000	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 3500	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 3000	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 2500	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 2000	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 1800	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 1500	71.6	86.1	88.9	92.7	95.7	96.6	97.8	98.6	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 1200	71.6	86.1	88.9	92.7	95.8	96.8	98.0	98.8	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9
≥ 1000	71.6	86.1	88.9	92.8	95.9	96.9	98.1	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 900	71.6	86.1	88.9	92.8	95.9	96.9	98.1	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 800	71.6	86.1	88.9	92.8	95.9	96.9	98.1	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 700	71.6	86.1	88.9	92.8	95.9	96.9	98.1	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 600	71.6	86.1	88.9	92.8	95.9	96.9	98.1	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 500	71.6	86.1	88.9	92.8	95.9	96.9	98.1	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 400	71.6	86.1	88.9	92.8	95.9	96.9	98.1	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 300	71.6	86.1	88.9	92.8	95.9	96.9	98.1	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 200	71.6	86.1	88.9	92.8	95.9	96.9	98.1	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 100	71.6	86.1	88.9	92.8	95.9	96.9	98.1	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 0	71.6	86.1	88.9	92.8	95.9	96.9	98.1	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1457

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404160 DHAHRAN SAUDI ARABIA 46-61 AUG
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2300
HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	72.6	88.5	91.1	93.0	94.8	96.0	96.6	96.9	97.0	97.3	97.5	97.5	97.5	97.5	97.5
≥ 20000	73.0	89.0	91.6	93.5	95.2	96.4	97.1	97.4	97.4	97.8	98.0	98.0	98.0	98.0	98.0
≥ 18000	73.7	89.7	92.3	94.2	96.0	97.2	97.9	98.3	98.3	98.7	98.9	98.9	98.9	98.9	98.9
≥ 16000	73.7	89.7	92.3	94.2	96.0	97.2	97.9	98.3	98.3	98.7	98.9	98.9	98.9	98.9	98.9
≥ 14000	74.3	90.3	92.9	94.8	96.6	97.8	98.5	98.9	98.9	99.3	99.5	99.5	99.5	99.5	99.5
≥ 12000	74.3	90.3	92.9	94.8	96.6	97.8	98.5	98.9	98.9	99.3	99.5	99.5	99.5	99.5	99.5
≥ 10000	74.5	90.5	93.1	95.0	96.8	98.0	98.7	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7
≥ 9000	74.5	90.5	93.1	95.0	96.8	98.0	98.7	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7
≥ 8000	74.5	90.5	93.1	95.0	96.8	98.0	98.7	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7
≥ 7000	74.5	90.5	93.1	95.0	96.8	98.0	98.7	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7
≥ 6000	74.5	90.5	93.1	95.0	96.8	98.0	98.7	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7
≥ 5000	74.5	90.5	93.1	95.0	96.8	98.0	98.7	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7
≥ 4500	74.5	90.5	93.1	95.0	96.8	98.0	98.7	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7
≥ 4000	74.5	90.5	93.1	95.0	96.8	98.0	98.7	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7
≥ 3500	74.5	90.5	93.1	95.0	96.8	98.0	98.7	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7
≥ 3000	74.5	90.5	93.1	95.0	96.8	98.1	98.9	99.2	99.3	99.6	99.8	99.8	99.8	99.8	99.8
≥ 2500	74.5	90.5	93.1	95.0	96.8	98.1	98.9	99.2	99.3	99.6	99.8	99.8	99.8	99.8	99.8
≥ 2000	74.5	90.5	93.1	95.0	96.8	98.2	98.9	99.3	99.3	99.7	99.9	99.9	99.9	99.9	99.9
≥ 1800	74.5	90.5	93.1	95.0	96.8	98.2	98.9	99.3	99.3	99.7	99.9	99.9	99.9	99.9	99.9
≥ 1500	74.5	90.5	93.1	95.0	96.8	98.2	98.9	99.3	99.3	99.7	99.9	99.9	99.9	99.9	99.9
≥ 1200	74.5	90.5	93.1	95.0	96.8	98.3	99.0	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9
≥ 1000	74.5	90.6	93.2	95.1	96.9	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 900	74.5	90.6	93.2	95.1	96.9	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 800	74.5	90.6	93.2	95.1	96.9	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 700	74.5	90.6	93.2	95.1	96.9	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 600	74.5	90.6	93.2	95.1	96.9	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 500	74.5	90.6	93.2	95.1	96.9	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 400	74.5	90.6	93.2	95.1	96.9	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 300	74.5	90.6	93.2	95.1	96.9	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 200	74.5	90.6	93.2	95.1	96.9	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 100	74.5	90.6	93.2	95.1	96.9	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 0	74.5	90.6	93.2	95.1	96.9	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1488

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

40416D (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (LOCAL TIME)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	73.4	88.9	92.1	93.2	94.3	95.8	96.2	96.4	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥ 20000	73.4	88.9	92.2	93.3	94.4	95.9	96.3	96.5	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 18000	74.6	90.3	93.6	94.7	95.8	97.3	97.7	97.9	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5
≥ 16000	74.9	90.6	93.9	95.0	96.1	97.5	98.0	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 14000	75.5	91.2	94.5	95.7	96.8	98.2	98.7	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 12000	75.5	91.2	94.5	95.7	96.8	98.2	98.7	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 10000	75.6	91.3	94.6	95.8	96.9	98.4	98.8	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 9000	75.6	91.3	94.6	95.8	96.9	98.4	98.8	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 8000	75.6	91.3	94.6	95.8	96.9	98.4	98.8	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 7000	75.6	91.3	94.6	95.8	96.9	98.4	98.8	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 6000	75.6	91.3	94.6	95.8	96.9	98.4	98.8	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 5000	75.6	91.3	94.6	95.8	96.9	98.4	98.8	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 4500	75.6	91.3	94.6	95.8	96.9	98.4	98.8	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 4000	75.6	91.3	94.6	95.8	96.9	98.4	98.8	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 3500	75.6	91.3	94.6	95.8	96.9	98.4	98.8	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 3000	75.6	91.3	94.6	95.8	96.9	98.5	98.9	99.1	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 2500	75.6	91.3	94.6	95.8	96.9	98.5	98.9	99.1	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 2000	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1800	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1500	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1200	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1000	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 900	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 800	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 700	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	75.6	91.3	94.6	95.8	97.1	98.7	99.1	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1426

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

40416O (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼
NO CEILING	66.4	81.6	85.0	87.7	90.9	92.8	94.3	94.9	95.2	95.7	95.9	96.0	96.2	96.2	96.2	96.3
≥ 20000	66.7	82.0	85.4	88.1	91.3	93.2	94.8	95.4	95.7	96.2	96.3	96.4	96.6	96.6	96.7	96.8
≥ 18000	67.4	82.8	86.3	89.1	92.3	94.2	95.8	96.4	96.8	97.3	97.4	97.5	97.7	97.7	97.8	97.9
≥ 16000	67.7	83.1	86.7	89.4	92.7	94.6	96.2	96.9	97.2	97.8	98.0	98.0	98.2	98.3	98.3	98.4
≥ 14000	68.2	83.7	87.2	90.0	93.2	95.2	96.9	97.6	97.9	98.4	98.6	98.7	98.9	98.9	99.0	99.0
≥ 12000	68.2	83.8	87.4	90.1	93.4	95.3	97.1	97.7	98.1	98.6	98.8	98.9	99.1	99.1	99.1	99.2
≥ 10000	68.3	83.9	87.4	90.2	93.5	95.4	97.2	97.9	98.2	98.7	98.9	99.0	99.2	99.2	99.3	99.4
≥ 9000	68.3	83.9	87.4	90.2	93.5	95.4	97.2	97.9	98.2	98.7	98.9	99.0	99.2	99.3	99.3	99.4
≥ 8000	68.3	83.9	87.4	90.2	93.5	95.4	97.2	97.9	98.2	98.7	98.9	99.0	99.2	99.3	99.3	99.4
≥ 7000	68.3	83.9	87.4	90.2	93.5	95.4	97.2	97.9	98.2	98.7	98.9	99.0	99.2	99.3	99.3	99.4
≥ 6000	68.3	83.9	87.4	90.2	93.5	95.4	97.2	97.9	98.2	98.8	99.0	99.0	99.2	99.3	99.3	99.4
≥ 5000	68.3	83.9	87.4	90.2	93.5	95.4	97.2	97.9	98.2	98.8	99.0	99.0	99.2	99.3	99.3	99.4
≥ 4500	68.3	83.9	87.4	90.2	93.5	95.4	97.2	97.9	98.2	98.8	99.0	99.0	99.2	99.3	99.3	99.4
≥ 4000	68.3	83.9	87.5	90.2	93.5	95.5	97.3	97.9	98.3	98.8	99.0	99.1	99.3	99.3	99.3	99.4
≥ 3500	68.3	83.9	87.5	90.2	93.5	95.5	97.3	97.9	98.3	98.8	99.0	99.1	99.3	99.3	99.3	99.4
≥ 3000	68.3	83.9	87.5	90.3	93.5	95.5	97.3	98.0	98.3	98.9	99.1	99.1	99.3	99.4	99.4	99.5
≥ 2500	68.3	83.9	87.5	90.3	93.5	95.5	97.3	98.0	98.3	98.9	99.1	99.1	99.3	99.4	99.4	99.5
≥ 2000	68.3	83.9	87.5	90.3	93.6	95.6	97.4	98.1	98.4	99.0	99.2	99.2	99.4	99.5	99.5	99.6
≥ 1800	68.3	83.9	87.5	90.3	93.6	95.6	97.4	98.1	98.4	99.0	99.2	99.2	99.5	99.5	99.5	99.6
≥ 1500	68.3	83.9	87.5	90.3	93.6	95.6	97.4	98.1	98.5	99.0	99.2	99.3	99.5	99.5	99.5	99.6
≥ 1200	68.4	83.9	87.5	90.3	93.6	95.7	97.5	98.2	98.5	99.1	99.3	99.3	99.5	99.6	99.6	99.7
≥ 1000	68.4	84.0	87.5	90.3	93.7	95.7	97.5	98.2	98.6	99.1	99.3	99.4	99.7	99.7	99.7	99.8
≥ 900	68.4	84.0	87.5	90.3	93.7	95.7	97.5	98.2	98.6	99.1	99.3	99.4	99.7	99.7	99.7	99.8
≥ 800	68.4	84.0	87.5	90.3	93.7	95.7	97.5	98.2	98.6	99.1	99.3	99.4	99.7	99.7	99.8	99.8
≥ 700	68.4	84.0	87.5	90.3	93.7	95.7	97.5	98.2	98.6	99.2	99.3	99.4	99.7	99.7	99.8	99.9
≥ 600	68.4	84.0	87.5	90.3	93.7	95.7	97.5	98.2	98.6	99.2	99.3	99.4	99.7	99.7	99.8	99.9
≥ 500	68.4	84.0	87.5	90.3	93.7	95.7	97.5	98.2	98.6	99.2	99.4	99.5	99.7	99.8	99.8	99.9
≥ 400	68.4	84.0	87.5	90.3	93.7	95.7	97.5	98.2	98.6	99.2	99.4	99.5	99.7	99.8	99.8	99.9
≥ 300	68.4	84.0	87.5	90.3	93.7	95.7	97.5	98.2	98.6	99.2	99.4	99.5	99.7	99.8	99.8	99.9
≥ 200	68.4	84.0	87.5	90.3	93.7	95.7	97.5	98.2	98.6	99.2	99.4	99.5	99.7	99.8	99.8	99.9
≥ 100	68.4	84.0	87.5	90.3	93.7	95.7	97.5	98.2	98.6	99.2	99.4	99.5	99.7	99.8	99.9	99.9
≥ 0	68.4	84.0	87.5	90.3	93.7	95.7	97.5	98.2	98.6	99.2	99.4	99.5	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 11539

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

40416C (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (LOCAL STANDARD TIME)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	75.2	88.0	90.9	92.1	93.8	95.1	95.7	96.4	96.4	96.8	97.0	97.0	97.5	97.5	97.7	97.8
≥ 20000	75.2	88.0	90.9	92.1	93.8	95.1	95.7	96.4	96.4	96.8	97.0	97.0	97.5	97.5	97.7	97.8
≥ 18000	75.6	88.4	91.3	92.4	94.1	95.5	96.1	96.7	96.8	97.2	97.4	97.4	97.9	97.9	98.1	98.1
≥ 6000	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	97.9	98.4	98.4	98.6	98.7
≥ 14000	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	97.9	98.4	98.4	98.6	98.7
≥ 12000	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	97.9	98.4	98.4	98.6	98.7
≥ 10000	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	97.9	98.4	98.4	98.6	98.7
≥ 9000	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	97.9	98.4	98.4	98.6	98.7
≥ 8000	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	97.9	98.4	98.4	98.6	98.7
≥ 7000	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	97.9	98.4	98.4	98.6	98.7
≥ 6000	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	97.9	98.4	98.4	98.6	98.7
≥ 5000	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	97.9	98.4	98.4	98.6	98.7
≥ 4500	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	97.9	98.4	98.4	98.6	98.7
≥ 4000	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	98.0	98.4	98.4	98.7	98.7
≥ 3500	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	98.0	98.4	98.4	98.7	98.7
≥ 3000	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	98.0	98.4	98.4	98.7	98.7
≥ 2500	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	97.9	98.0	98.4	98.4	98.7	98.7
≥ 2000	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	98.0	98.1	98.5	98.5	98.7	98.8
≥ 1800	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.7	98.0	98.1	98.5	98.5	98.7	98.8
≥ 1500	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.9	98.2	98.3	98.7	98.7	99.0	99.0
≥ 1200	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.9	98.2	98.3	98.7	98.7	99.0	99.0
≥ 1000	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.9	98.2	98.3	98.7	98.7	99.0	99.0
≥ 900	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.3	97.9	98.2	98.3	98.7	98.7	99.0	99.0
≥ 800	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.4	98.1	98.6	98.7	99.1	99.1	99.3	99.4
≥ 700	76.1	88.9	91.8	93.0	94.7	96.0	96.6	97.3	97.4	98.1	98.6	98.7	99.1	99.1	99.3	99.4
≥ 600	76.1	89.0	91.9	93.0	94.7	96.1	96.7	97.4	97.5	98.1	98.7	98.7	99.2	99.2	99.4	99.5
≥ 500	76.1	89.0	91.9	93.0	94.7	96.1	96.7	97.4	97.5	98.1	98.7	98.7	99.2	99.2	99.4	99.5
≥ 400	76.1	89.0	91.9	93.0	94.7	96.1	96.7	97.4	97.5	98.1	98.7	98.7	99.2	99.2	99.4	99.5
≥ 300	76.1	89.0	91.9	93.0	94.7	96.1	96.7	97.4	97.5	98.1	98.7	98.7	99.2	99.2	99.4	99.5
≥ 200	76.1	89.0	91.9	93.0	94.7	96.1	96.7	97.4	97.5	98.1	98.7	98.7	99.2	99.2	99.4	99.5
≥ 100	76.1	89.0	91.9	93.0	94.7	96.1	96.7	97.4	97.5	98.1	98.7	98.7	99.2	99.2	99.4	99.5
≥ 0	76.1	89.0	91.9	93.0	94.7	96.1	96.7	97.4	97.5	98.1	98.7	98.7	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1350

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (GMT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥¼	0
NO CEILING	66.5	80.9	84.7	86.5	88.8	91.0	92.8	93.7	93.7	94.8	95.4	95.4	96.1	96.1	96.6	97.6
≥ 20000	66.6	81.0	84.7	86.6	88.9	91.1	92.9	93.8	93.8	94.9	95.5	95.5	96.2	96.2	96.7	97.7
≥ 18000	66.7	81.0	84.8	86.7	89.0	91.2	93.0	93.9	93.9	95.0	95.6	95.6	96.4	96.4	96.8	97.9
≥ 16000	67.1	81.5	85.3	87.1	89.4	91.6	93.4	94.3	94.3	95.4	96.0	96.0	96.8	96.8	97.3	98.3
≥ 14000	67.2	81.6	85.3	87.2	89.5	91.7	93.5	94.4	94.4	95.5	96.1	96.1	96.9	96.9	97.3	98.4
≥ 12000	67.2	81.6	85.3	87.2	89.5	91.7	93.5	94.4	94.4	95.5	96.1	96.1	96.9	96.9	97.3	98.4
≥ 10000	67.2	81.6	85.3	87.2	89.5	91.7	93.5	94.4	94.4	95.5	96.1	96.1	96.9	96.9	97.3	98.4
≥ 9000	67.2	81.6	85.3	87.2	89.5	91.7	93.5	94.4	94.4	95.5	96.1	96.1	96.9	96.9	97.3	98.4
≥ 8000	67.2	81.6	85.3	87.2	89.5	91.7	93.5	94.4	94.4	95.5	96.1	96.1	96.9	96.9	97.3	98.4
≥ 7000	67.2	81.6	85.3	87.2	89.5	91.7	93.5	94.4	94.4	95.5	96.1	96.1	97.0	97.0	97.4	98.4
≥ 6000	67.2	81.6	85.3	87.2	89.5	91.7	93.5	94.4	94.4	95.6	96.2	96.3	97.1	97.1	97.6	98.6
≥ 5000	67.2	81.6	85.3	87.2	89.5	91.7	93.5	94.4	94.4	95.6	96.2	96.3	97.1	97.1	97.6	98.6
≥ 4500	67.2	81.6	85.3	87.2	89.5	91.7	93.5	94.4	94.4	95.6	96.2	96.3	97.1	97.1	97.6	98.6
≥ 4000	67.2	81.6	85.3	87.2	89.5	91.7	93.5	94.4	94.4	95.6	96.2	96.3	97.1	97.1	97.6	98.6
≥ 3500	67.2	81.6	85.3	87.2	89.5	91.7	93.5	94.4	94.4	95.6	96.2	96.3	97.1	97.1	97.6	98.6
≥ 3000	67.2	81.6	85.3	87.2	89.5	91.7	93.5	94.4	94.4	95.6	96.2	96.3	97.1	97.1	97.6	98.6
≥ 2500	67.2	81.6	85.3	87.2	89.5	91.7	93.5	94.4	94.4	95.6	96.2	96.3	97.2	97.2	97.6	98.7
≥ 2000	67.2	81.6	85.4	87.3	89.6	91.8	93.6	94.4	94.4	95.6	96.4	96.4	97.3	97.3	97.8	98.8
≥ 1800	67.2	81.6	85.4	87.3	89.6	91.8	93.6	94.4	94.4	95.6	96.4	96.4	97.3	97.3	97.8	98.8
≥ 1500	67.2	81.6	85.4	87.3	89.6	91.8	93.6	94.4	94.4	95.6	96.4	96.4	97.3	97.3	97.8	98.8
≥ 1200	67.2	81.6	85.4	87.3	89.6	91.8	93.6	94.4	94.4	95.6	96.4	96.4	97.3	97.3	97.8	98.8
≥ 1000	67.2	81.6	85.4	87.3	89.6	91.8	93.7	94.6	94.6	95.8	96.5	96.6	97.6	97.6	98.0	99.0
≥ 900	67.2	81.6	85.4	87.3	89.6	91.8	93.7	94.6	94.6	95.8	96.5	96.6	97.6	97.6	98.0	99.0
≥ 800	67.2	81.6	85.4	87.3	89.6	91.8	93.7	94.6	94.6	95.8	96.5	96.6	97.6	97.6	98.0	99.0
≥ 700	67.2	81.6	85.4	87.3	89.6	91.8	93.7	94.6	94.6	95.8	96.5	96.6	97.6	97.6	98.0	99.0
≥ 600	67.2	81.6	85.5	87.3	89.7	92.0	93.9	94.8	94.8	96.0	96.7	96.8	97.8	97.8	98.2	99.3
≥ 500	67.2	81.6	85.5	87.3	89.7	92.0	93.9	94.8	94.8	96.0	96.7	96.8	97.8	97.8	98.2	99.3
≥ 400	67.2	81.6	85.5	87.3	89.7	92.0	93.9	94.8	94.8	96.0	96.7	96.8	97.8	97.8	98.2	99.3
≥ 300	67.2	81.6	85.5	87.3	89.7	92.0	93.9	94.8	94.8	96.0	96.7	96.8	97.8	97.8	98.2	99.3
≥ 200	67.2	81.6	85.5	87.3	89.7	92.0	93.9	94.8	94.8	96.0	96.7	96.8	97.8	97.8	98.2	99.3
≥ 100	67.2	81.6	85.5	87.3	89.7	92.0	93.9	94.8	94.8	96.0	96.7	96.8	97.8	97.8	98.2	99.4
≥ 0	67.2	81.6	85.5	87.3	89.7	92.0	93.9	94.8	94.8	96.0	96.7	96.8	97.8	97.8	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1350

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41616C (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 (GMT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0				
NO CEILING	63.7	76.8	80.2	81.8	86.0	88.2	91.4	92.5	92.8	94.3	94.9	95.4	96.3	96.3	96.3	97.5
≥ 20000	63.7	76.8	80.2	81.8	86.0	88.4	91.6	92.8	93.0	94.5	95.1	95.6	96.5	96.5	96.5	97.7
≥ 18000	63.9	77.0	80.4	82.0	86.2	88.6	91.8	93.0	93.2	94.7	95.4	95.8	96.7	96.7	96.7	97.9
≥ 6000	64.1	77.2	80.6	82.3	86.4	88.8	92.0	93.2	93.4	94.9	95.6	96.0	97.0	97.0	97.0	98.1
≥ 4000	64.2	77.5	80.9	82.5	86.7	89.1	92.3	93.5	93.7	95.2	95.9	96.3	97.2	97.2	97.2	98.4
≥ 2000	64.4	77.6	81.0	82.7	86.8	89.3	92.5	93.6	93.8	95.4	96.0	96.5	97.4	97.4	97.4	98.6
≥ 10000	64.4	77.6	81.0	82.7	86.8	89.3	92.5	93.6	93.8	95.4	96.0	96.5	97.4	97.4	97.4	98.6
≥ 9000	64.4	77.6	81.0	82.7	86.8	89.3	92.5	93.6	93.8	95.4	96.0	96.5	97.4	97.4	97.4	98.6
≥ 8000	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.0	95.5	96.2	96.6	97.5	97.5	97.5	98.7
≥ 7000	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.0	95.5	96.2	96.6	97.5	97.5	97.5	98.7
≥ 6000	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.0	95.5	96.2	96.6	97.5	97.5	97.5	98.7
≥ 5000	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.0	95.5	96.2	96.6	97.5	97.5	97.5	98.7
≥ 4500	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.0	95.5	96.2	96.6	97.5	97.5	97.5	98.7
≥ 4000	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.2	96.7	97.6	97.6	97.6	98.8
≥ 3500	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.2	96.7	97.6	97.6	97.6	98.8
≥ 3000	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.2	96.7	97.6	97.6	97.6	98.8
≥ 2500	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.2	96.7	97.7	97.8	97.8	98.9
≥ 2000	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.2	96.7	97.7	97.8	97.8	98.9
≥ 1800	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.2	96.7	97.7	97.8	97.8	98.9
≥ 1500	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.2	96.7	97.8	97.8	97.8	99.0
≥ 1200	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.2	96.7	97.8	97.8	97.8	99.0
≥ 1000	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.2	96.7	97.8	97.9	97.9	99.1
≥ 900	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.2	96.7	97.8	97.9	97.9	99.1
≥ 800	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.2	96.7	97.8	97.9	97.9	99.1
≥ 700	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.2	96.7	97.8	97.9	97.9	99.1
≥ 600	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.3	96.7	97.8	98.0	98.0	99.1
≥ 500	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.3	96.7	97.8	98.0	98.0	99.1
≥ 400	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.3	96.7	97.8	98.0	98.0	99.1
≥ 300	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.3	96.7	97.8	98.0	98.0	99.3
≥ 200	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.3	96.7	97.8	98.0	98.0	99.4
0	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.3	96.7	97.8	98.0	98.0	99.6
	64.5	77.8	81.2	82.8	87.0	89.4	92.6	93.8	94.1	95.6	96.3	96.7	97.8	98.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1381

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 DHAHRAN SAUDI ARABIA 46-61 SEP
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
UNL	68.4	80.6	83.2	86.8	92.3	94.5	96.3	97.3	97.5	98.1	98.2	98.4	98.7	98.7	99.0	99.0
≥20000	68.5	80.8	83.3	87.0	92.5	94.9	96.7	97.7	97.9	98.4	98.5	98.7	99.1	99.1	99.4	99.4
≥ 8000	68.5	80.8	83.3	87.0	92.5	94.9	96.7	97.7	97.9	98.4	98.5	98.7	99.1	99.1	99.4	99.4
≥ 6000	68.5	80.8	83.3	87.0	92.5	94.9	96.7	97.7	97.9	98.4	98.5	98.7	99.1	99.1	99.4	99.4
≥ 4000	68.7	80.9	83.5	87.1	92.6	95.0	96.8	97.8	98.0	98.6	98.7	98.9	99.2	99.2	99.5	99.5
≥ 3000	68.7	80.9	83.5	87.1	92.6	95.0	96.8	97.8	98.0	98.6	98.7	98.9	99.2	99.2	99.5	99.5
≥ 2000	68.7	80.9	83.5	87.1	92.6	95.0	96.8	97.8	98.0	98.6	98.7	98.9	99.2	99.2	99.5	99.5
≥ 1800	68.7	80.9	83.5	87.1	92.6	95.0	96.8	97.8	98.0	98.6	98.7	98.9	99.2	99.2	99.5	99.5
≥ 1500	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 1200	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 1000	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 900	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 800	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 700	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 600	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 500	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 450	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 400	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 350	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 300	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 250	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 200	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 180	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.6	99.6
≥ 150	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.7	99.7
≥ 120	68.8	81.1	83.6	87.2	92.8	95.2	97.0	97.9	98.2	98.7	98.8	99.0	99.4	99.4	99.7	99.7
≥ 100	68.8	81.1	83.6	87.2	92.8	95.2	97.0	98.0	98.2	98.8	98.9	99.1	99.5	99.5	99.8	99.8
≥ 90	68.8	81.1	83.6	87.2	92.8	95.2	97.0	98.0	98.2	98.8	98.9	99.1	99.5	99.5	99.8	99.8
≥ 80	68.8	81.1	83.6	87.2	92.8	95.2	97.0	98.0	98.2	98.8	98.9	99.1	99.6	99.6	99.9	99.9
≥ 70	68.8	81.1	83.6	87.2	92.8	95.2	97.0	98.0	98.2	98.8	98.9	99.1	99.6	99.6	99.9	99.9
≥ 60	68.8	81.1	83.7	87.3	92.8	95.2	97.1	98.1	98.3	98.9	98.9	99.1	99.7	99.7	100.0	100.0
≥ 50	68.8	81.1	83.7	87.3	92.8	95.2	97.1	98.1	98.3	98.9	98.9	99.1	99.7	99.7	100.0	100.0
≥ 40	68.8	81.1	83.7	87.3	92.8	95.2	97.1	98.1	98.3	98.9	98.9	99.1	99.7	99.7	100.0	100.0
≥ 30	68.8	81.1	83.7	87.3	92.8	95.2	97.1	98.1	98.3	98.9	98.9	99.1	99.7	99.7	100.0	100.0
≥ 20	68.8	81.1	83.7	87.3	92.8	95.2	97.1	98.1	98.3	98.9	98.9	99.1	99.7	99.7	100.0	100.0
≥ 10	68.8	81.1	83.7	87.3	92.8	95.2	97.1	98.1	98.3	98.9	98.9	99.1	99.7	99.7	100.0	100.0
0	68.8	81.1	83.7	87.3	92.8	95.2	97.1	98.1	98.3	98.9	98.9	99.1	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1410

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404160 DHAHRAN SAUDI ARABIA 46-61 SEP

STATION STATION NAME YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥5/16	≥¼	=0
CLR/SCT	71.3	83.6	87.6	90.4	94.6	95.8	97.2	97.6	97.6	98.3	98.9	99.1	99.2	99.2	99.4	99.4
25000	71.3	83.6	87.6	90.4	94.6	95.8	97.2	97.6	97.7	98.4	99.0	99.2	99.2	99.3	99.4	99.4
20000	71.3	83.6	87.6	90.4	94.6	95.8	97.2	97.6	97.7	98.4	99.0	99.2	99.2	99.3	99.4	99.4
18000	71.3	83.6	87.6	90.4	94.6	95.8	97.2	97.6	97.7	98.4	99.0	99.2	99.2	99.3	99.4	99.4
16000	71.3	83.6	87.6	90.4	94.6	95.8	97.2	97.6	97.7	98.4	99.0	99.2	99.2	99.3	99.4	99.4
14000	71.3	83.6	87.6	90.4	94.6	95.8	97.2	97.6	97.7	98.4	99.0	99.2	99.2	99.3	99.4	99.4
12000	71.3	83.6	87.6	90.4	94.6	95.8	97.2	97.6	97.7	98.4	99.0	99.2	99.2	99.3	99.4	99.4
10000	71.3	83.6	87.6	90.4	94.6	95.8	97.2	97.6	97.7	98.4	99.0	99.2	99.2	99.3	99.4	99.4
9000	71.4	83.7	87.7	90.5	94.8	96.0	97.4	97.8	97.8	98.5	99.1	99.3	99.4	99.4	99.6	99.6
8000	71.4	83.7	87.7	90.5	94.8	96.0	97.4	97.8	97.8	98.5	99.1	99.3	99.4	99.4	99.6	99.6
7000	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
6000	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
5000	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
4500	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
4000	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
3500	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
3000	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
2500	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
2000	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
1800	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
1600	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
1400	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
1200	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
1000	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
900	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
800	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.5	99.6	99.7	99.8	99.8
700	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.7	99.8	99.9	100.0	100.0
600	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.7	99.8	99.9	100.0	100.0
500	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.7	99.8	99.9	100.0	100.0
400	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.7	99.8	99.9	100.0	100.0
300	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.7	99.8	99.9	100.0	100.0
200	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.7	99.8	99.9	100.0	100.0
100	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.7	99.8	99.9	100.0	100.0
0	71.4	83.7	87.7	90.7	94.9	96.2	97.6	98.0	98.1	98.7	99.3	99.7	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1939

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

47416C (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (G.M.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥	≥1¼	≥1	≥¾	≥½	≥	≥5/16	≥¼	≥0
≥UNL	78.1	89.8	92.1	94.5	96.9	97.5	97.8	98.3	98.3	98.7	98.9	99.0	99.1	99.1	99.1	99.1
≥20000	78.2	89.9	92.2	94.6	97.0	97.7	97.9	98.4	98.4	98.9	99.0	99.1	99.2	99.2	99.2	99.2
≥ 8000	78.3	90.0	92.3	94.7	97.1	97.7	98.0	98.5	98.5	98.9	99.1	99.2	99.3	99.3	99.3	99.3
≥ 6000	78.3	90.0	92.3	94.7	97.1	97.7	98.0	98.5	98.5	98.9	99.1	99.2	99.3	99.3	99.3	99.3
≥ 4000	78.3	90.0	92.3	94.7	97.1	97.7	98.0	98.5	98.5	98.9	99.1	99.2	99.3	99.3	99.3	99.3
≥ 2000	78.3	90.0	92.3	94.7	97.1	97.7	98.0	98.5	98.5	98.9	99.1	99.2	99.3	99.3	99.3	99.3
≥ 1000	78.5	90.2	92.5	94.9	97.3	97.9	98.2	98.7	98.7	99.1	99.3	99.4	99.5	99.5	99.5	99.5
≥ 900	78.5	90.2	92.5	94.9	97.3	97.9	98.2	98.7	98.7	99.1	99.3	99.4	99.5	99.5	99.5	99.5
≥ 800	78.5	90.2	92.5	94.9	97.3	97.9	98.2	98.7	98.7	99.1	99.3	99.4	99.5	99.5	99.5	99.5
≥ 700	78.5	90.2	92.5	94.9	97.3	97.9	98.2	98.7	98.7	99.1	99.3	99.4	99.5	99.5	99.5	99.5
≥ 600	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6
≥ 500	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6
≥ 450	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6
≥ 400	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6
≥ 350	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6
≥ 300	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6
≥ 250	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6
≥ 200	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6
≥ 150	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6
≥ 100	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6
≥ 000	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.4	99.5	99.6	99.7	99.7	99.7	99.7
≥ 900	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.4	99.5	99.6	99.7	99.7	99.7	99.7
≥ 800	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.4	99.5	99.6	99.7	99.7	99.7	99.7
≥ 700	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.4	99.5	99.8	99.9	99.9	99.9	99.9
≥ 600	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.4	99.5	99.8	99.9	99.9	99.9	99.9
≥ 500	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.4	99.5	99.8	99.9	99.9	99.9	99.9
≥ 400	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.4	99.5	99.8	99.9	99.9	99.9	99.9
≥ 300	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.4	99.5	99.8	99.9	99.9	99.9	99.9
≥ 200	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.4	99.5	99.8	99.9	100.0	100.0	100.0
≥ 100	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.4	99.5	99.8	99.9	100.0	100.0	100.0
≥ 0	78.5	90.2	92.6	95.0	97.4	98.1	98.4	98.9	98.9	99.4	99.5	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1410

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416 DHAHRAN SAUDI ARABIA 46-61 SEP
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES) ≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥½	≥¼	<¼
NO CEILING	82.6	93.5	95.0	96.3	97.7	98.3	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 20000	82.7	93.7	95.1	96.4	97.8	98.5	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 18000	82.7	93.7	95.1	96.4	97.8	98.5	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 16000	82.8	93.8	95.2	96.5	97.9	98.5	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 14000	82.8	93.8	95.2	96.5	97.9	98.5	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 12000	82.8	93.8	95.3	96.5	98.0	98.6	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 11000	83.0	94.0	95.4	96.7	98.1	98.8	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 10000	83.0	94.0	95.4	96.7	98.1	98.8	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 9000	83.0	94.0	95.4	96.7	98.1	98.8	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 8000	83.0	94.0	95.4	96.7	98.1	98.8	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 7000	83.0	94.0	95.4	96.7	98.1	98.8	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 6000	83.0	94.0	95.5	96.7	98.2	98.8	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 5000	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1600	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1400	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 200	83.0	94.1	95.6	96.9	98.3	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1440

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416C STATION — DHAHRAN SAUDI ARABIA STATION NAME — 46-61 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

10-22

VISIBILITY STATUTE MILES

CEILING FEET	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	<¼
22000+	81.1	91.8	94.6	95.9	97.0	97.5	97.8	98.0	98.2	98.6	98.7	99.7	99.8	99.8	99.8	99.8	99.8
22000	81.1	91.8	94.6	95.9	97.0	97.5	97.8	98.0	98.2	98.6	98.7	99.7	99.8	99.8	99.8	99.8	99.8
20000	81.4	92.1	94.9	96.2	97.3	97.8	98.1	98.3	98.5	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1
18000	81.8	92.5	95.3	96.6	97.8	98.2	98.6	98.8	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6
17000	81.8	92.5	95.3	96.6	97.8	98.2	98.6	98.8	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6
16000	81.8	92.5	95.3	96.6	97.8	98.2	98.6	98.8	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6
15000	81.8	92.5	95.3	96.6	97.8	98.2	98.6	98.8	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6
14000	81.8	92.5	95.3	96.6	97.8	98.2	98.6	98.8	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6
13000	81.8	92.5	95.3	96.6	97.8	98.2	98.6	98.8	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6
12000	81.8	92.5	95.3	96.6	97.8	98.2	98.6	98.8	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6
11000	81.8	92.5	95.4	96.7	97.8	98.3	98.6	98.8	99.1	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6
10000	81.8	92.5	95.4	96.7	97.8	98.3	98.6	98.8	99.0	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6
9000	81.8	92.5	95.4	96.7	97.9	98.3	98.7	98.9	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7
8000	81.8	92.5	95.4	96.7	97.9	98.3	98.7	98.9	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7
7000	81.8	92.5	95.4	96.7	97.9	98.3	98.7	98.9	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7
6000	81.8	92.5	95.4	96.7	97.9	98.4	98.8	99.0	99.1	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8
5000	81.8	92.5	95.4	96.7	97.9	98.4	98.8	99.0	99.1	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8
4500	81.8	92.5	95.4	96.7	97.9	98.4	98.8	99.0	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9
4000	81.8	92.5	95.4	96.7	97.9	98.4	98.8	99.0	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9
3500	81.8	92.5	95.4	96.7	97.9	98.4	98.8	99.0	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9
3000	81.8	92.5	95.4	96.7	97.9	98.4	98.8	99.0	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
2500	81.8	92.5	95.4	96.7	97.9	98.4	98.8	99.0	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
2000	81.8	92.5	95.4	96.7	97.9	98.4	98.8	99.0	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
1500	81.8	92.5	95.4	96.7	97.9	98.4	98.8	99.0	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
1000	81.8	92.5	95.4	96.7	97.9	98.4	98.8	99.0	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
500	81.8	92.5	95.4	96.7	97.9	98.4	98.8	99.0	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
0	81.8	92.5	95.4	96.7	97.9	98.4	98.8	99.0	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1305

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

40416[illegible] DHAHRAN SAUDI ARABIA [illegible]-61

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

73.4	[illegible]5.7	[illegible]	[illegible]	93.4	[illegible]	[illegible]	96.7	[illegible]	97.4	97.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
73.[illegible]	[illegible]5.7	89.6	[illegible]	93.5	94.9	96.1	[illegible]	[illegible]	[illegible]	97.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
73.6	[illegible]5.9	88.7	[illegible]	93.6	[illegible]	96.3	96.9	[illegible]	97.7	97.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
73.8	86.1	[illegible]	[illegible]	93.8	95.2	96.5	97.1	97.2	97.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]6.1	[illegible]	91.0	93.9	95.3	96.5	[illegible]	97.7	97.9	98.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]6.1	89.[illegible]	91.[illegible]	93.9	95.3	96.6	[illegible]	[illegible]	97.9	98.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
73.9	[illegible]6.2	89.1	91.1	94.0	95.4	96.6	97.3	97.7	98.0	[illegible]	93.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	86.2	89.1	91.1	94.0	95.4	96.6	97.3	97.7	[illegible]	98.3	93.4	[illegible]	[illegible]	[illegible]	[illegible]
74.[illegible]	[illegible]6.2	89.1	91.1	94.0	95.4	96.7	97.3	97.4	[illegible]	98.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
74.[illegible]	[illegible]6.2	89.1	91.1	94.0	95.4	96.7	97.3	97.4	[illegible]	98.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
74.	[illegible]6.2	89.1	91.2	94.1	95.5	96.7	97.4	97.[illegible]	98.1	98.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
74.	[illegible]6.3	[illegible]	91.2	94.1	95.5	96.7	97.4	97.5	[illegible]	98.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
74.[illegible]	[illegible]6.3	89.[illegible]	91.2	94.1	95.5	96.7	97.4	97.[illegible]	98.1	98.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
74.[illegible]	[illegible]6.3	89.2	91.2	94.1	95.5	96.[illegible]	97.4	97.5	98.2	98.5	[illegible]	99.[illegible]	[illegible]	[illegible]	[illegible]
74.[illegible]	[illegible]	89.2	91.2	94.1	95.5	96.8	97.4	97.5	98.2	98.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
74.[illegible]	[illegible]6.3	89.2	91.2	94.1	95.5	96.8	97.4	97.5	98.2	98.5	[illegible]	99.1	[illegible]	[illegible]	[illegible]
74.[illegible]	[illegible]6.3	89.2	91.2	94.1	95.5	96.8	97.4	97.[illegible]	98.2	98.5	[illegible]	99.[illegible]	[illegible]	[illegible]	[illegible]
74.[illegible]	[illegible]6.3	89.[illegible]	91.2	94.1	95.5	96.9	97.4	97.5	98.2	98.5	[illegible]	99.[illegible]	[illegible]	[illegible]	[illegible]
74.[illegible]	[illegible]6.3	89.2	91.2	94.1	95.5	96.8	97.4	97.[illegible]	98.2	98.5	[illegible]	99.[illegible]	99.	[illegible]	[illegible]
74.[illegible]	[illegible]6.3	89.[illegible]	91.2	94.1	95.5	96.8	97.4	97.5	98.2	98.5	[illegible].7	99.1	[illegible]	[illegible]	[illegible]
74.[illegible]	[illegible]6.3	89.[illegible]	91.2	94.1	95.5	96.8	97.4	97.5	98.2	98.5	[illegible].7	99.1	[illegible]	[illegible]	[illegible]
74.[illegible]	86.3	89.2	91.2	94.1	95.5	96.8	97.5	97.6	98.3	98.6	93.7	99.1	[illegible]	[illegible]	[illegible]
74.[illegible]	[illegible]6.3	89.2	91.2	94.1	95.5	96.8	97.5	97.6	98.3	98.6	93.7	99.1	[illegible]	[illegible]	[illegible]
74.[illegible]	[illegible]6.3	89.[illegible]	91.2	94.1	95.5	96.8	97.5	97.6	98.3	98.6	93.8	99.2	99.2	[illegible]	[illegible]
74.[illegible]	[illegible]6.[illegible]	89.[illegible]	91.2	94.1	95.5	96.8	97.5	97.6	98.3	98.6	93.6	99.2	99.3	[illegible]	[illegible]
74.[illegible]	86.3	89.2	91.3	94.1	95.6	96.8	97.5	97.6	98.3	98.7	93.9	99.3	99.[illegible]	[illegible]	[illegible]
74.	[illegible]6.3	89.2	91.3	94.1	95.6	96.8	97.5	97.6	98.3	98.7	93.9	99.3	99.[illegible]	[illegible]	[illegible]
74.[illegible]	86.3	89.2	91.3	94.1	95.6	96.8	97.5	97.6	98.3	98.7	93.9	99.3	99.3	[illegible]	[illegible]
74.[illegible]	[illegible]6.3	89.2	91.3	94.1	95.6	96.8	97.5	97.6	98.3	98.7	93.9	99.[illegible]	99.[illegible]	[illegible]	[illegible]
74.[illegible]	86.3	89.2	91.3	94.1	95.6	96.8	97.5	97.6	98.3	98.7	93.9	99.3	99.3	99.[illegible]	[illegible]
74.[illegible]	86.3	89.2	91.3	94.1	95.6	96.8	97.5	97.6	98.3	98.7	93.9	99.3	99.3	[illegible]	[illegible]
74.[illegible]	86.3	89.2	91.3	94.1	95.6	96.8	97.5	97.6	98.3	98.7	93.9	99.3	99.3	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404160 STATION | DHAHRAN SAUDI ARABIA STATION NAME | 47-61 YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 HOUR (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	91.0	96.0	96.8	97.2	97.8	97.9	98.0	98.1	98.1	98.1	98.3	98.3	98.6	98.6	98.8	99.1
≥ 20000	91.1	96.1	97.1	97.5	98.1	98.2	98.3	98.4	98.4	98.4	98.6	98.6	98.9	98.9	98.9	99.4
≥ 18000	91.1	96.1	97.1	97.5	98.1	98.2	98.3	98.4	98.4	98.4	98.6	98.6	98.9	98.9	98.9	99.4
≥ 16000	91.1	96.1	97.1	97.5	98.1	98.2	98.3	98.4	98.4	98.4	98.6	98.6	98.9	98.9	98.9	99.4
≥ 14000	91.1	96.1	97.1	97.5	98.1	98.2	98.3	98.4	98.4	98.4	98.6	98.6	98.9	98.9	98.9	99.4
≥ 12000	91.1	96.1	97.1	97.5	98.1	98.2	98.3	98.4	98.4	98.4	98.6	98.6	98.9	98.9	98.9	99.4
≥ 10000	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 9000	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 8000	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 7000	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 6000	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 5000	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 4500	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 4000	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 3500	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 3000	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 2500	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 2000	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 1800	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 1500	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 1200	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 1000	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 900	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 800	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 700	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 600	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 500	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 400	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 300	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 200	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 100	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.4
≥ 0	91.2	96.2	97.1	97.6	98.1	98.3	98.4	98.4	98.4	98.6	98.7	98.7	99.0	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	⅞	≥⅝	½	≥¼	0
NO CEILING	86.0	92.3	93.8	94.6	95.8	96.1	96.3	96.6	96.6	96.7	97.0	97.2	97.6	97.6	97.8	98.3
≥ 20000	86.0	92.3	93.8	94.6	95.8	96.1	96.3	96.6	96.6	96.7	97.0	97.2	97.6	97.6	97.8	98.3
≥ 18000	86.0	92.3	93.8	94.6	95.8	96.1	96.3	96.6	96.6	96.7	97.0	97.2	97.6	97.6	97.8	98.3
≥ 6000	86.3	92.5	94.1	94.8	96.1	96.3	96.6	96.9	96.9	97.0	97.3	97.5	97.9	97.9	98.1	98.6
≥ 4000	86.3	92.5	94.1	94.8	96.1	96.3	96.6	96.9	96.9	97.0	97.3	97.5	97.9	97.9	98.1	98.6
≥ 3000	86.5	92.8	94.3	95.1	96.3	96.6	96.8	97.1	97.1	97.2	97.5	97.7	98.1	98.1	98.3	98.8
≥ 2500	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.3	97.3	97.4	97.7	97.9	98.4	98.4	98.5	99.0
≥ 2200	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.3	97.3	97.4	97.7	97.9	98.4	98.4	98.5	99.0
≥ 2000	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.3	97.3	97.4	97.7	97.9	98.4	98.4	98.5	99.0
≥ 1800	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.3	97.3	97.4	97.7	97.9	98.4	98.4	98.5	99.0
≥ 1600	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.3	97.3	97.4	97.7	97.9	98.4	98.4	98.5	99.0
≥ 1500	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.3	97.3	97.4	97.7	97.9	98.4	98.4	98.5	99.0
≥ 1400	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.3	97.3	97.4	97.7	97.9	98.4	98.4	98.5	99.0
≥ 1300	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.3	97.3	97.4	97.7	97.9	98.4	98.4	98.5	99.0
≥ 1200	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.3	97.3	97.4	97.7	97.9	98.4	98.4	98.5	99.0
≥ 1100	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.3	97.3	97.4	97.7	97.9	98.4	98.4	98.5	99.0
≥ 1000	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.3	97.3	97.4	97.7	97.9	98.4	98.4	98.5	99.0
≥ 900	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.3	97.3	97.4	97.7	97.9	98.4	98.4	98.5	99.0
≥ 800	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.4	97.4	97.5	97.8	98.0	98.4	98.4	98.6	99.1
≥ 700	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.4	97.4	97.5	97.8	98.0	98.4	98.4	98.6	99.1
≥ 600	86.7	93.0	94.5	95.3	96.6	96.8	97.1	97.4	97.4	97.5	97.8	98.0	98.4	98.4	98.6	99.1
≥ 500	86.7	93.0	94.6	95.3	96.7	96.9	97.2	97.5	97.5	97.6	97.8	98.1	98.5	98.5	98.6	99.1
≥ 400	86.8	93.1	94.6	95.4	96.8	97.0	97.3	97.6	97.6	97.6	97.9	98.1	98.6	98.6	98.7	99.2
≥ 300	86.8	93.1	94.6	95.4	96.8	97.0	97.3	97.6	97.6	97.6	97.9	98.1	98.6	98.6	98.7	99.2
≥ 200	86.8	93.1	94.6	95.4	96.8	97.0	97.3	97.6	97.6	97.7	98.0	98.2	98.6	98.6	98.8	99.3
≥ 100	86.8	93.1	94.6	95.4	96.8	97.0	97.3	97.6	97.6	97.7	98.0	98.2	98.6	98.6	98.8	99.4
0	86.8	93.1	94.6	95.4	96.8	97.0	97.3	97.6	97.6	97.7	98.0	98.2	98.6	98.6	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥¼	0
NO CEILING	85.2	91.3	92.8	93.1	95.0	95.5	95.8	95.9	96.0	96.4	96.5	96.6	96.7	96.8	96.9	97.3
≥ 20000	85.7	91.7	93.3	93.6	95.5	95.9	96.3	96.4	96.5	96.9	97.0	97.1	97.2	97.3	97.3	97.8
≥ 18000	85.8	91.9	93.4	93.7	95.6	96.1	96.4	96.6	96.6	97.0	97.1	97.3	97.3	97.4	97.5	98.0
≥ 16000	86.1	92.2	93.8	94.1	95.9	96.4	96.8	96.9	97.0	97.3	97.5	97.6	97.7	97.8	97.8	98.3
≥ 14000	86.3	92.4	93.9	94.2	96.1	96.6	96.9	97.1	97.1	97.5	97.6	97.8	97.8	97.9	98.0	98.5
≥ 12000	86.4	92.4	94.0	94.3	96.2	96.6	97.0	97.1	97.2	97.6	97.7	97.8	97.9	98.0	98.0	98.5
≥ 10000	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.0	98.1	98.2	98.7
≥ 9000	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.0	98.1	98.2	98.7
≥ 8000	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.0	98.1	98.2	98.7
≥ 7000	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.0	98.1	98.2	98.7
≥ 6000	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.0	98.1	98.2	98.7
≥ 5000	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.0	98.1	98.2	98.7
≥ 4500	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.0	98.1	98.2	98.7
≥ 4000	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.0	98.1	98.2	98.7
≥ 3500	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.0	98.1	98.2	98.7
≥ 3000	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.0	98.1	98.2	98.7
≥ 2500	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.0	98.1	98.2	98.7
≥ 2000	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.2	98.3	98.3	98.8
≥ 1800	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.2	98.3	98.3	98.8
≥ 1500	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.2	98.3	98.3	98.8
≥ 1200	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.8	98.0	98.2	98.3	98.3	98.8
≥ 1000	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.9	98.0	98.3	98.4	98.5	99.0
≥ 900	86.5	92.6	94.1	94.4	96.3	96.8	97.1	97.3	97.3	97.7	97.9	98.0	98.3	98.4	98.5	99.0
≥ 800	86.6	92.7	94.2	94.5	96.4	96.9	97.3	97.4	97.5	97.8	98.0	98.2	98.5	98.5	98.7	99.2
≥ 700	86.6	92.7	94.2	94.5	96.4	96.9	97.3	97.4	97.5	97.8	98.0	98.2	98.5	98.5	98.7	99.2
≥ 600	86.6	92.7	94.2	94.5	96.4	96.9	97.3	97.4	97.5	97.8	98.0	98.2	98.5	98.5	98.7	99.2
≥ 500	86.6	92.7	94.2	94.5	96.4	96.9	97.3	97.5	97.6	97.9	98.1	98.3	98.5	98.6	98.7	99.2
≥ 400	86.6	92.7	94.2	94.5	96.4	96.9	97.3	97.5	97.6	97.9	98.1	98.3	98.5	98.6	98.7	99.2
≥ 300	86.6	92.7	94.2	94.5	96.4	96.9	97.3	97.5	97.6	97.9	98.1	98.3	98.5	98.6	98.7	99.2
≥ 200	86.6	92.7	94.2	94.5	96.4	96.9	97.3	97.5	97.6	97.9	98.1	98.3	98.5	98.6	98.7	99.3
< 200	86.6	92.7	94.2	94.5	96.4	96.9	97.3	97.5	97.6	97.9	98.1	98.3	98.5	98.6	98.7	99.4
ALL	86.6	92.7	94.2	94.5	96.4	96.9	97.3	97.5	97.6	97.9	98.1	98.3	98.5	98.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1429

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404160 DHAHRAN SAUDI ARABIA 46-61 JAN 2GT
STATION STATION NAME YEARS HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥	≥	≥	≥	≥	≥	≥5/8	≥	≥
NO CEILING	88.2	92.8	94.2	95.0	96.5	96.9	97.1	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.6
≥ 20000	88.5	93.1	94.5	95.3	96.8	97.2	97.4	97.5	97.5	97.8	97.8	97.8	97.9	97.9	97.9	97.9
≥ 18000	88.6	93.2	94.6	95.4	96.9	97.3	97.5	97.7	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0
≥ 16000	88.7	93.5	94.9	95.7	97.2	97.6	97.8	97.9	97.9	98.2	98.2	98.2	98.3	98.3	98.3	98.3
≥ 14000	89.2	94.0	95.4	96.2	97.7	98.1	98.3	98.4	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 12000	89.4	94.2	95.6	96.4	97.9	98.3	98.5	98.6	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 10000	89.6	94.4	95.9	96.6	98.1	98.6	98.8	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 9000	89.6	94.4	95.9	96.6	98.1	98.6	98.8	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 8000	89.7	94.6	96.0	96.8	98.3	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 7000	89.7	94.6	96.0	96.8	98.3	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 6000	89.7	94.6	96.0	96.8	98.3	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 5000	89.7	94.6	96.0	96.8	98.3	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 4500	89.7	94.6	96.0	96.8	98.3	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 4000	89.7	94.6	96.0	96.8	98.3	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 3500	89.7	94.6	96.0	96.8	98.3	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 3000	89.7	94.6	96.0	96.8	98.3	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 2500	89.8	94.6	96.1	96.8	98.4	98.8	99.0	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 2000	89.8	94.6	96.1	96.8	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	89.8	94.6	96.1	96.8	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	89.8	94.6	96.1	96.8	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.7	99.7
≥ 1200	89.8	94.6	96.1	96.8	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.7	99.7
≥ 1000	89.8	94.6	96.1	96.8	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.8	99.8
≥ 900	89.8	94.6	96.1	96.8	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.8	99.8
≥ 800	89.8	94.6	96.1	96.8	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.8	99.8
≥ 700	89.8	94.6	96.1	96.8	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.9	99.9
≥ 600	89.8	94.7	96.2	96.9	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.6	99.7	99.7	100.0	100.0
≥ 500	89.8	94.7	96.2	96.9	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.6	99.7	99.7	100.0	100.0
≥ 400	89.8	94.7	96.2	96.9	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.6	99.7	99.7	100.0	100.0
≥ 300	89.8	94.7	96.2	96.9	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.6	99.7	99.7	100.0	100.0
≥ 200	89.8	94.7	96.2	96.9	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.6	99.7	99.7	100.0	100.0
≥ 100	89.8	94.7	96.2	96.9	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.6	99.7	99.7	100.0	100.0
≥ 0	89.8	94.7	96.2	96.9	98.4	98.8	99.0	99.2	99.2	99.5	99.5	99.6	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1457

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 DHAHRAN SAUDI ARABIA 46-61 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400
HOUR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
≥ UNL	90.4	95.0	96.3	96.4	97.5	97.6	98.1	98.2	98.2	98.3	98.5	98.5	98.5	98.6	98.6	98.6
> 20000	90.6	95.2	96.5	96.6	97.7	97.8	98.3	98.4	98.4	98.5	98.7	98.7	98.7	98.8	98.8	98.8
≥ 18000	90.6	95.2	96.5	96.6	97.7	97.8	98.3	98.4	98.4	98.5	98.7	98.7	98.7	98.8	98.8	98.8
> 14000	90.9	95.5	96.8	96.8	98.0	98.1	98.6	98.7	98.7	98.8	98.9	98.9	98.9	99.1	99.1	99.1
≥ 12000	91.0	95.6	96.9	97.0	98.1	98.3	98.7	98.8	98.8	98.9	99.1	99.1	99.1	99.2	99.2	99.2
> 10000	91.1	95.8	97.0	97.1	98.3	98.4	98.9	98.9	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3
≥ 9000	91.1	95.8	97.0	97.1	98.3	98.4	98.9	98.9	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3
> 8000	91.1	95.8	97.0	97.1	98.3	98.4	98.9	98.9	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3
≥ 7000	91.2	95.8	97.1	97.2	98.3	98.5	98.9	99.0	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4
> 6000	91.2	95.8	97.1	97.2	98.3	98.5	98.9	99.0	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4
≥ 5000	91.2	95.8	97.1	97.2	98.3	98.5	98.9	99.0	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4
> 4500	91.2	95.8	97.1	97.2	98.3	98.5	98.9	99.0	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4
> 4000	91.2	95.8	97.1	97.2	98.3	98.5	98.9	99.0	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4
≥ 3500	91.2	95.8	97.1	97.2	98.3	98.5	98.9	99.0	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4
> 3000	91.2	95.8	97.1	97.2	98.4	98.5	99.0	99.1	99.1	99.2	99.4	99.4	99.4	99.5	99.5	99.5
≥ 2500	91.2	95.8	97.1	97.2	98.4	98.5	99.0	99.1	99.1	99.2	99.4	99.4	99.4	99.5	99.5	99.5
> 2000	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.5	99.5	99.5	99.6	99.6	99.6
≥ 1800	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.5	99.5	99.5	99.6	99.6	99.6
> 1500	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.5	99.5	99.5	99.6	99.6	99.6
> 1200	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.5	99.5	99.5	99.6	99.6	99.6
≥ 1000	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.5	99.5	99.5	99.7	99.7	99.7
> 900	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.5	99.5	99.5	99.7	99.7	99.7
≥ 800	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.5	99.5	99.5	99.7	99.7	99.7
≥ 700	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.6	99.6	99.6	99.7	100.0	100.0
≥ 600	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.6	99.6	99.6	99.7	100.0	100.0
> 500	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.6	99.6	99.6	99.7	100.0	100.0
≥ 400	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.6	99.6	99.6	99.7	100.0	100.0
> 300	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.6	99.6	99.6	99.7	100.0	100.0
≥ 200	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.6	99.6	99.6	99.7	100.0	100.0
> 100	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.6	99.6	99.6	99.7	100.0	100.0
≥ 0	91.2	95.8	97.1	97.2	98.5	98.6	99.1	99.1	99.1	99.3	99.6	99.6	99.6	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1488

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

40816C — DHAHRAN SAUDI ARABIA — 46-61 — OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¼	≥1	≥¾	≥½	≥¼	0			
NO CEILING	93.2	96.5	97.2	97.5	98.0	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.6
≥ 20000	93.5	96.8	97.5	97.9	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 18000	93.5	96.8	97.5	97.9	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 16000	93.8	97.1	97.8	98.1	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 14000	94.1	97.3	98.0	98.4	98.8	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 12000	94.2	97.5	98.2	98.6	99.0	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 10000	94.3	97.6	98.3	98.6	99.1	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 9000	94.3	97.6	98.3	98.6	99.1	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 8000	94.3	97.7	98.4	98.7	99.2	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 7000	94.3	97.7	98.4	98.7	99.2	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 6000	94.3	97.7	98.4	98.7	99.2	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 5000	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 4500	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 4000	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 3500	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 3000	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 2500	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 2000	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 1800	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 1500	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 1200	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 1000	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 600	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 500	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 400	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	94.4	97.7	98.4	98.8	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1457

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41080 DHAHRAN SAUDI ARABIA 46-61 OCT
STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	95.4	98.2	98.5	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 20000	95.6	98.4	98.7	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 18000	95.6	98.4	98.7	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 16000	95.6	98.4	98.7	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 14000	95.9	98.7	99.0	99.3	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 12000	96.1	98.9	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 11000	96.1	98.9	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 10000	96.1	98.9	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 9000	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 8000	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 7000	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 6000	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 5000	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 4500	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 4000	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 3500	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 3000	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 2500	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 2000	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1800	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1700	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1600	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1500	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1400	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1300	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1200	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1100	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1000	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 900	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 800	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 700	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	96.1	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1488

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	93.5	97.9	98.3	98.6	98.8	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.3	99.3	99.4	99.4
≥ 20000	93.7	98.0	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.4	99.4	99.5	99.6
≥ 18000	93.9	98.2	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.7	99.8
≥ 16000	93.9	98.2	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.7	99.8
≥ 14000	93.9	98.2	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.7	99.8
≥ 12000	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 10000	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 9000	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 8000	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 7000	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 6000	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 5000	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 4500	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 4000	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 3500	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 3000	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 2500	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 2000	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 1800	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 1500	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 1200	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 1000	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 900	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 800	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 700	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 600	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 500	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 400	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 300	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 200	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 100	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9
≥ 0	94.0	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1425

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 DHAHRAN SAUDI ARABIA 46-61 CCT
STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼
NO CEILING	90.4	95.0	96.0	96.4	97.3	97.5	97.7	97.8	97.8	98.0	98.1	98.1	98.2	98.3	99.3	98.5
≥ 20000	90.6	95.2	96.2	96.6	97.6	97.7	98.0	98.1	98.1	98.2	98.3	98.4	98.5	98.5	98.6	98.6
≥ 18000	90.7	95.3	96.3	96.7	97.6	97.8	98.0	98.1	98.1	98.3	98.4	98.4	98.6	98.6	98.6	98.8
≥ 16000	90.8	95.5	96.5	96.9	97.8	98.0	98.2	98.3	98.3	98.5	98.6	98.6	98.7	98.8	98.8	99.0
≥ 14000	91.0	95.6	96.6	97.0	98.0	98.2	98.4	98.5	98.5	98.6	98.7	98.8	98.9	98.9	99.0	99.2
≥ 12000	91.1	95.8	96.8	97.2	98.1	98.3	98.5	98.6	98.6	98.8	98.9	98.9	99.0	99.1	99.1	99.3
≥ 10000	91.2	95.9	96.9	97.3	98.2	98.4	98.6	98.7	98.7	98.9	99.0	99.0	99.1	99.2	99.2	99.4
≥ 9000	91.2	95.9	96.9	97.3	98.2	98.4	98.6	98.7	98.7	98.9	99.0	99.0	99.1	99.2	99.2	99.4
≥ 8000	91.3	95.9	96.9	97.3	98.2	98.4	98.7	98.8	98.8	98.9	99.0	99.0	99.2	99.2	99.3	99.4
≥ 7000	91.3	95.9	96.9	97.3	98.2	98.4	98.7	98.8	98.8	98.9	99.0	99.0	99.2	99.2	99.3	99.4
≥ 6000	91.3	95.9	96.9	97.3	98.2	98.4	98.7	98.8	98.8	98.9	99.0	99.0	99.2	99.2	99.3	99.4
≥ 5000	91.3	95.9	96.9	97.3	98.3	98.4	98.7	98.8	98.8	98.9	99.0	99.1	99.2	99.2	99.3	99.5
≥ 4500	91.3	95.9	96.9	97.3	98.3	98.4	98.7	98.8	98.8	98.9	99.0	99.1	99.2	99.2	99.3	99.5
≥ 4000	91.3	95.9	96.9	97.3	98.3	98.4	98.7	98.8	98.8	98.9	99.0	99.1	99.2	99.2	99.3	99.5
≥ 3500	91.3	95.9	96.9	97.3	98.3	98.4	98.7	98.8	98.8	98.9	99.0	99.1	99.2	99.2	99.3	99.5
≥ 3000	91.3	95.9	96.9	97.3	98.3	98.5	98.7	98.8	98.8	98.9	99.0	99.1	99.2	99.2	99.3	99.5
≥ 2500	91.3	95.9	96.9	97.3	98.3	98.5	98.7	98.8	98.8	99.0	99.0	99.1	99.2	99.3	99.3	99.5
≥ 2000	91.3	95.9	96.9	97.3	98.3	98.5	98.7	98.8	98.8	99.0	99.1	99.1	99.3	99.3	99.3	99.5
≥ 1800	91.3	95.9	96.9	97.3	98.3	98.5	98.7	98.8	98.8	99.0	99.1	99.1	99.3	99.3	99.3	99.5
≥ 1500	91.3	95.9	96.9	97.3	98.3	98.5	98.7	98.8	98.8	99.0	99.1	99.1	99.3	99.3	99.3	99.5
≥ 1200	91.3	95.9	96.9	97.3	98.3	98.5	98.7	98.8	98.8	99.0	99.1	99.1	99.3	99.3	99.3	99.5
≥ 1000	91.3	95.9	96.9	97.3	98.3	98.5	98.7	98.8	98.8	99.0	99.1	99.1	99.3	99.3	99.4	99.6
≥ 900	91.3	95.9	96.9	97.3	98.3	98.5	98.7	98.8	98.8	99.0	99.1	99.1	99.3	99.3	99.4	99.6
≥ 800	91.3	96.0	97.0	97.4	98.3	98.5	98.7	98.8	98.8	99.0	99.1	99.2	99.3	99.4	99.4	99.6
≥ 700	91.3	96.0	97.0	97.4	98.3	98.5	98.7	98.8	98.8	99.0	99.1	99.2	99.3	99.4	99.5	99.7
≥ 600	91.3	96.0	97.0	97.4	98.3	98.5	98.7	98.8	98.8	99.0	99.1	99.2	99.4	99.4	99.5	99.7
≥ 500	91.3	96.0	97.0	97.4	98.3	98.5	98.8	98.9	98.9	99.0	99.2	99.2	99.4	99.4	99.5	99.7
≥ 400	91.3	96.0	97.0	97.4	98.3	98.5	98.8	98.9	98.9	99.0	99.2	99.2	99.4	99.4	99.5	99.7
≥ 300	91.3	96.0	97.0	97.4	98.3	98.5	98.8	98.9	98.9	99.0	99.2	99.2	99.4	99.4	99.5	99.7
≥ 200	91.3	96.0	97.0	97.4	98.3	98.5	98.8	98.9	98.9	99.1	99.2	99.2	99.4	99.4	99.5	99.7
≥ 100	91.3	96.0	97.0	97.4	98.3	98.5	98.8	98.9	98.9	99.1	99.2	99.2	99.4	99.4	99.5	99.8
≥ 0	91.3	96.0	97.0	97.4	98.3	98.5	98.8	98.9	98.9	99.1	99.2	99.2	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 11534

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 DHAHRAN SAUDI ARABIA 47-61 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	38.2	89.8	90.7	90.8	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.7	92.4
≥ 20000	89.8	91.3	92.3	92.4	92.6	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.2	93.3	94.0
≥ 18000	89.9	91.5	92.4	92.5	92.7	93.0	93.1	93.1	93.1	93.1	93.1	93.2	93.3	93.3	93.5	94.1
≥ 5000	90.4	92.0	93.0	93.0	93.3	93.5	93.6	93.6	93.6	93.6	93.6	93.7	93.8	93.8	94.0	94.7
≥ 4000	91.5	93.1	94.1	94.1	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.9	95.0	95.1	95.8
≥ 3000	92.6	94.3	95.3	95.3	95.6	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.1	96.1	96.3	97.0
≥ 2500	93.0	94.7	95.7	95.8	96.0	96.2	96.5	96.5	96.5	96.5	96.5	96.6	96.7	96.7	96.9	97.6
≥ 2000	93.3	95.0	95.9	96.0	96.2	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.9	97.0	97.1	97.8
≥ 1800	93.5	95.3	96.2	96.3	96.5	96.7	97.0	97.0	97.0	97.0	97.0	97.1	97.2	97.3	97.4	98.1
≥ 1500	93.6	95.4	96.4	96.4	96.7	96.9	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.4	97.6	98.2
≥ 1000	93.9	95.7	96.7	96.7	97.0	97.2	97.5	97.5	97.5	97.6	97.6	97.6	97.7	97.8	97.9	98.6
≥ 500	94.3	96.1	97.0	97.1	97.3	97.6	97.9	97.9	97.9	97.9	97.9	98.0	98.1	98.1	98.3	99.0
≥ 450	94.4	96.2	97.2	97.3	97.5	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.3	98.4	99.1
≥ 400	94.5	96.3	97.3	97.3	97.6	97.8	98.1	98.1	98.1	98.2	98.2	98.3	98.4	98.4	98.6	99.3
≥ 350	94.5	96.3	97.3	97.3	97.6	97.8	98.1	98.1	98.1	98.2	98.2	98.3	98.4	98.4	98.6	99.3
≥ 300	94.7	96.4	97.4	97.5	97.7	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.6	98.7	99.4
≥ 250	94.7	96.4	97.4	97.5	97.7	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.6	98.7	99.4
≥ 200	94.7	96.4	97.4	97.5	97.7	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.6	98.7	99.4
≥ 180	94.7	96.4	97.4	97.5	97.7	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.6	98.7	99.4
≥ 150	94.9	96.7	97.7	97.8	98.0	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.9	99.0	99.7
≥ 100	94.9	96.7	97.7	97.8	98.0	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.9	99.0	99.7
≥ 90	94.9	96.7	97.7	97.8	98.0	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.9	99.0	99.7
≥ 80	94.9	96.7	97.7	97.8	98.0	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.9	99.0	99.7
≥ 70	94.9	96.7	97.7	97.8	98.0	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.9	99.0	99.7
≥ 60	94.9	96.7	97.7	97.8	98.0	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.9	99.0	99.7
≥ 50	94.9	96.7	97.7	97.8	98.0	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.9	99.0	99.7
≥ 40	94.9	96.7	97.7	97.8	98.0	98.2	98.5	98.7	98.7	98.8	98.8	98.9	99.0	99.0	99.2	99.9
≥ 30	94.9	96.7	97.7	97.8	98.0	98.2	98.5	98.7	98.7	98.8	98.8	98.9	99.0	99.0	99.2	99.9
≥ 20	94.9	96.7	97.7	97.8	98.0	98.2	98.5	98.7	98.7	98.8	98.8	98.9	99.0	99.0	99.2	99.9
≥ 0	94.9	96.7	97.7	97.8	98.0	98.2	98.5	98.7	98.7	98.8	98.8	98.9	99.0	99.0	99.2	99.9
	94.9	96.7	97.7	97.8	98.0	98.2	98.5	98.7	98.7	98.8	98.8	98.9	99.0	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1349

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404160 DHAHRAN SAUDI ARABIA 47-61
STATION STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CEILING (FEET)	≥0	≥6	≥1	≥4												
[illegible]	85.0	87.1	88.1	88.3	88.8	89.1	89.3	89.6	89.7	90.2	90.3	90.4	90.5	90.6	90.8	91.[illegible]
20000	86.5	88.7	89.6	89.9	90.4	90.7	90.8	91.1	91.1	91.6	91.9	92.1	92.2	92.3	92.5	92.7
18000	86.6	88.7	89.7	89.9	90.4	90.7	90.9	91.2	91.2	91.9	91.9	92.1	92.3	92.4	92.6	92.8
16000	86.9	89.0	90.0	90.2	90.7	91.0	91.2	91.5	91.5	92.1	92.2	92.4	92.6	92.7	92.9	93.1
14000	88.1	90.4	91.4	91.6	92.1	92.4	92.6	92.9	92.9	93.6	93.6	93.9	94.1	94.1	94.3	94.5
12000	89.2	91.7	92.7	92.9	93.4	93.7	93.9	94.1	94.1	94.8	94.9	95.1	95.3	95.3	95.6	95.8
11000	89.8	92.3	93.3	93.5	94.0	94.3	94.4	94.7	94.7	95.4	95.5	95.7	95.9	95.9	96.1	96.4
10000	90.4	92.9	93.9	94.1	94.6	94.9	95.0	95.3	95.3	96.0	96.1	96.3	96.4	96.5	96.7	97.0
9000	90.7	93.3	94.2	94.4	95.0	95.3	95.4	95.7	95.7	96.4	96.4	96.7	96.8	96.9	97.1	97.3
8000	90.8	93.3	94.3	94.5	95.0	95.3	95.5	95.8	95.8	96.4	96.5	96.	96.9	97.	97.2	97.4
7000	91.5	94.0	95.0	95.2	95.7	96.0	96.1	96.4	96.4	97.2	97.3	97.5	97.6	97.7	97.9	98.1
6000	91.9	94.4	95.4	95.6	96.1	96.4	96.6	96.9	96.9	97.6	97.7	97.9	98.1	98.1	98.4	98.6
5000	91.9	94.5	95.6	95.9	96.4	96.7	96.8	97.1	97.1	97.9	97.9	98.1	98.3	98.4	98.6	98.8
4500	92.2	94.8	95.9	96.2	96.7	97.0	97.2	97.5	97.5	98.2	98.3	98.6	98.7	98.8	99.0	99.3
4000	92.2	94.8	95.9	96.2	96.7	97.0	97.2	97.5	97.5	98.2	98.3	98.6	98.7	98.8	99.0	99.3
3500	92.2	94.8	95.9	96.2	96.7	97.0	97.2	97.5	97.5	98.2	98.3	98.6	98.7	98.8	99.0	99.3
3000	92.2	94.8	95.9	96.2	96.7	97.0	97.2	97.5	97.5	98.2	98.3	98.6	98.7	98.8	99.0	99.3
2500	92.2	94.8	95.9	96.2	96.7	97.0	97.2	97.5	97.5	98.2	98.3	98.6	98.7	98.8	99.0	99.3
2000	92.2	94.8	95.9	96.2	96.7	97.0	97.2	97.5	97.5	98.2	98.3	98.6	98.7	98.8	99.0	99.3
1800	92.2	94.8	95.9	96.2	96.7	97.0	97.2	97.5	97.5	98.2	98.3	98.6	98.7	98.8	99.0	99.3
1500	92.3	95.0	96.1	96.4	96.9	97.2	97.3	97.6	97.6	98.4	98.4	98.7	98.9	99.0	99.2	99.4
1200	92.3	95.0	96.1	96.4	96.9	97.2	97.3	97.6	97.6	98.4	98.4	98.7	98.9	99.0	99.2	99.4
1000	92.3	95.0	96.1	96.4	96.9	97.2	97.3	97.6	97.6	98.4	98.4	98.7	98.9	99.0	99.2	99.4
900	92.3	95.0	96.1	96.4	97.0	97.3	97.4	97.7	97.7	98.4	98.5	98.8	99.0	99.0	99.3	99.5
800	92.3	95.0	96.1	96.4	97.0	97.3	97.4	97.7	97.7	98.4	98.5	98.8	99.0	99.0	99.3	99.5
700	92.3	95.0	96.1	96.4	97.0	97.3	97.4	97.7	97.7	98.4	98.5	98.8	99.0	99.0	99.3	99.5
600	92.3	95.0	96.1	96.4	97.0	97.3	97.4	97.7	97.7	98.4	98.5	98.8	99.0	99.0	99.3	99.5
500	92.3	95.0	96.1	96.4	97.0	97.3	97.4	97.7	97.7	98.4	98.5	98.8	99.0	99.0	99.3	99.5
400	92.3	95.0	96.1	96.4	97.0	97.3	97.4	97.7	97.7	98.4	98.6	98.9	99.0	99.1	99.3	99.6
300	92.3	95.0	96.1	96.4	97.0	97.3	97.4	97.7	97.7	98.4	98.6	98.9	99.0	99.1	99.3	99.6
200	92.3	95.0	96.1	96.4	97.0	97.3	97.4	97.7	97.7	98.4	98.6	98.9	99.0	99.1	99.3	99.7
100	92.3	95.0	96.1	96.4	97.0	97.3	97.4	97.7	97.7	98.4	98.6	98.9	99.0	99.1	99.3	99.7
0	92.3	95.0	96.1	96.4	97.0	97.3	97.4	97.7	97.7	98.4	98.6	98.9	99.0	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1350

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 41oC (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

VISIBILITY (STATUTE MILES)

CEILING (FEET)	≥ 7	6	5	4	3½	3	2½	2	1½	1¼	1	⅞	½	¼	0
≥ 22000	77.4	81.2	81.9	82.5	83.3	83.8	84.3	84.9	84.9	85.0	85.1	85.1	85.6	85.7	85.7	86.2
22000	80.5	84.3	85.1	85.7	86.5	87.0	87.5	88.0	88.0	88.2	88.3	88.3	88.8	89.0	89.0	89.4
20000	80.7	84.4	85.2	85.8	86.7	87.1	87.6	88.2	88.2	88.3	88.4	88.4	89.0	89.1	89.1	89.6
18000	81.1	84.9	85.7	86.2	87.1	87.5	88.0	88.6	88.6	88.8	88.8	88.8	89.4	89.6	89.6	90.0
16000	82.5	86.3	87.1	87.7	88.6	89.1	89.6	90.2	90.2	90.4	90.4	90.4	91.0	91.2	91.2	91.6
14000	84.4	88.3	89.1	89.6	90.6	91.1	91.7	92.2	92.2	92.4	92.5	92.5	93.0	93.2	93.2	93.6
12000	86.2	90.1	91.0	91.6	92.6	93.2	93.8	94.3	94.3	94.5	94.6	94.6	95.1	95.3	95.3	95.7
10000	87.0	90.9	91.7	92.3	93.3	93.9	94.5	95.1	95.1	95.2	95.3	95.3	95.9	96.0	96.0	96.4
9000	87.8	91.7	92.6	93.2	94.2	94.8	95.4	95.9	95.9	96.1	96.2	96.2	96.7	96.9	96.9	97.3
8000	87.8	91.7	92.6	93.2	94.2	94.8	95.4	95.9	95.9	96.1	96.2	96.2	96.7	96.9	96.9	97.3
7000	88.6	92.5	93.5	94.1	95.1	95.7	96.2	96.8	96.8	97.0	97.0	97.0	97.6	97.8	97.8	98.2
6000	89.1	93.0	94.0	94.6	95.6	96.2	96.7	97.3	97.3	97.5	97.5	97.5	98.1	98.3	98.3	98.7
5000	89.1	93.0	94.0	94.6	95.6	96.2	96.7	97.3	97.3	97.5	97.5	97.5	98.1	98.3	98.3	98.7
4500	89.2	93.1	94.1	94.6	95.7	96.2	96.8	97.4	97.4	97.5	97.6	97.7	98.3	98.5	98.5	98.9
4000	89.2	93.1	94.1	94.7	95.7	96.3	96.9	97.5	97.5	97.6	97.7	97.8	98.4	98.6	98.6	99.0
3500	89.2	93.1	94.1	94.7	95.7	96.3	96.9	97.5	97.5	97.6	97.7	97.8	98.4	98.6	98.6	99.0
3000	89.2	93.1	94.1	94.7	95.9	96.4	97.0	97.6	97.6	97.8	97.8	97.9	98.6	98.8	98.8	99.2
2500	89.3	93.3	94.3	94.9	96.0	96.6	97.2	97.8	97.8	97.9	98.0	98.0	98.8	98.9	98.9	99.3
2400	89.3	93.3	94.3	94.9	96.0	96.6	97.2	97.8	97.8	97.9	98.0	98.0	98.8	98.9	98.9	99.3
2200	89.3	93.3	94.3	94.9	96.0	96.6	97.2	97.8	97.8	97.9	98.0	98.0	98.8	98.9	98.9	99.3
2000	89.3	93.3	94.3	94.9	96.1	96.7	97.2	97.8	97.8	98.0	98.0	98.1	98.8	99.0	99.0	99.4
1800	89.3	93.3	94.3	94.9	96.1	96.7	97.2	97.8	97.8	98.0	98.0	98.1	98.8	99.0	99.0	99.4
1700	89.3	93.3	94.3	94.9	96.1	96.7	97.2	97.8	97.8	98.0	98.0	98.1	98.8	99.0	99.0	99.4
1600	89.3	93.3	94.3	94.9	96.1	96.7	97.2	97.8	97.8	98.0	98.0	98.1	98.8	99.0	99.0	99.4
1500	89.3	93.3	94.3	94.9	96.2	96.7	97.3	97.9	97.9	98.0	98.1	98.2	98.9	99.1	99.1	99.5
1400	89.3	93.3	94.3	94.9	96.2	96.7	97.3	97.9	97.9	98.0	98.1	98.2	98.9	99.1	99.1	99.5
1300	89.3	93.3	94.3	94.9	96.2	96.7	97.3	97.9	97.9	98.0	98.1	98.2	98.9	99.1	99.1	99.5
1200	89.3	93.3	94.3	94.9	96.2	96.8	97.4	98.0	98.0	98.1	98.2	98.3	99.0	99.1	99.1	99.6
1100	89.3	93.3	94.3	94.9	96.2	96.8	97.4	98.0	98.0	98.1	98.2	98.3	99.0	99.1	99.1	99.6
1000	89.3	93.3	94.3	94.9	96.2	96.8	97.5	98.0	98.0	98.2	98.3	98.3	99.1	99.2	99.2	99.6
900	89.3	93.3	94.3	94.9	96.2	96.8	97.5	98.0	98.0	98.2	98.3	98.3	99.1	99.2	99.2	99.7
800	89.3	93.3	94.3	94.9	96.2	96.8	97.5	98.0	98.0	98.2	98.3	98.3	99.1	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1380

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41[illegible] DHAHRAN SAUDI ARABIA 46-61 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]-1122

CEILING (HUNDREDS OF FEET)	VISIBILITY (STATUTE MILES)															
	≥7	6	5	4	3	2½	2	1½	1¼	1	¾	½	¼	0		
≥22000	79.4	82.4	83.7	84.4	85.3	85.6	86.2	86.5	86.5	87.2	87.4	87.4	87.5	87.5	87.7	87.7
20000	82.9	86.1	87.4	88.1	89.0	89.4	89.9	90.3	90.3	91.1	91.1	91.2	91.2	91.5	91.5	91.5
18000	83.3	86.5	87.7	88.4	89.4	89.7	90.3	90.6	90.6	91.3	91.5	91.5	91.6	91.8	91.9	91.9
16000	83.4	86.6	87.9	88.6	89.5	89.9	90.4	90.8	90.8	91.4	91.6	91.6	91.7	91.7	92.0	92.1
14000	84.2	87.5	88.7	89.5	90.6	90.9	91.5	91.8	91.8	92.5	92.7	92.7	92.8	92.8	93.1	93.1
12000	86.0	89.2	90.5	91.4	92.4	92.8	93.3	93.7	93.7	94.3	94.5	94.5	94.6	94.6	94.9	95.0
10000	87.7	91.0	92.3	93.1	94.2	94.5	95.1	95.5	95.5	96.1	96.3	96.3	96.4	96.4	96.7	96.7
9000	88.0	91.4	92.6	93.5	94.5	94.9	95.5	95.8	95.8	96.5	96.7	96.7	96.7	96.7	97.0	97.1
8000	88.4	91.7	93.1	93.9	95.0	95.3	95.9	96.2	96.2	96.9	97.1	97.1	97.2	97.2	97.4	97.5
7000	88.4	91.8	93.2	94.0	95.1	95.5	96.0	96.4	96.4	97.0	97.2	97.2	97.3	97.3	97.6	97.7
6000	88.8	92.3	93.8	94.6	95.7	96.0	96.6	97.0	97.0	97.6	97.8	97.8	97.9	97.9	98.2	98.2
5000	89.2	92.6	94.1	95.0	96.0	96.4	97.0	97.4	97.4	98.0	98.2	98.2	98.3	98.3	98.7	98.8
4500	89.2	92.7	94.2	95.0	96.1	96.5	97.0	97.4	97.4	98.1	98.3	98.3	98.4	98.4	98.7	98.9
4000	89.2	92.7	94.2	95.0	96.1	96.5	97.0	97.4	97.4	98.1	98.3	98.3	98.4	98.4	98.7	98.9
3500	89.2	92.7	94.2	95.0	96.1	96.5	97.0	97.4	97.4	98.1	98.3	98.3	98.4	98.4	98.7	98.9
3000	89.6	93.1	94.5	95.4	96.5	96.8	97.4	97.8	97.8	98.4	98.7	98.7	98.7	98.7	99.1	99.2
2500	89.7	93.1	94.6	95.5	96.5	96.9	97.7	98.1	98.1	98.7	98.9	98.9	99.0	99.0	99.4	99.5
2200	89.7	93.2	94.7	95.5	96.6	97.0	97.7	98.2	98.2	98.8	99.0	99.0	99.1	99.1	99.4	99.6
2000	89.7	93.2	94.7	95.5	96.6	97.0	97.7	98.2	98.2	98.8	99.0	99.0	99.1	99.1	99.4	99.6
1800	89.8	93.3	94.8	95.6	96.7	97.0	97.8	98.2	98.2	98.9	99.1	99.1	99.1	99.1	99.5	99.6
1600	89.9	93.4	95.0	95.8	96.9	97.2	98.0	98.4	98.4	99.1	99.3	99.3	99.4	99.4	99.7	99.9
1400	89.9	93.5	95.0	95.9	97.0	97.3	98.1	98.5	98.5	99.2	99.4	99.4	99.5	99.5	99.9	100.0
1200	89.9	93.5	95.0	95.9	97.0	97.3	98.1	98.5	98.5	99.2	99.4	99.4	99.5	99.5	99.9	100.0
1000	89.9	93.5	95.0	95.9	97.0	97.3	98.1	98.5	98.5	99.2	99.4	99.4	99.5	99.5	99.9	100.0
900	89.9	93.5	95.0	95.9	97.0	97.3	98.1	98.5	98.5	99.2	99.4	99.4	99.5	99.5	99.9	100.0
800	89.9	93.5	95.0	95.9	97.0	97.3	98.1	98.5	98.5	99.2	99.4	99.4	99.5	99.5	99.9	100.0
700	89.9	93.5	95.0	95.9	97.0	97.3	98.1	98.5	98.5	99.2	99.4	99.4	99.5	99.5	99.9	100.0
600	89.9	93.5	95.0	95.9	97.0	97.3	98.1	98.5	98.5	99.2	99.4	99.4	99.5	99.5	99.9	100.0
500	89.9	93.5	95.0	95.9	97.0	97.3	98.1	98.5	98.5	99.2	99.4	99.4	99.5	99.5	99.9	100.0
	89.9	93.5	95.0	95.9	97.0	97.3	98.1	98.5	98.5	99.2	99.4	99.4	99.5	99.5	99.9	100.0
	89.9	93.5	95.0	95.9	97.0	97.3	98.1	98.5	98.5	99.2	99.4	99.4	99.5	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1411

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 41 E — DHAHRAN SAUDI ARABIA (STATION, NAME) — 40-61 (YEARS)

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	10	26	25	24	23	22	21	2	1 3/4	1 1/2	1 1/4	1	3/4	1/2	1/4	0
22000+	77.6	81.1	82.2	83.1	83.6	84.0	84.5	84.7	84.7	84.9	85.0	85.1	85.2	85.3	85.3	85.3
20000	82.8	86.5	87.5	88.4	89.0	89.4	90.0	90.2	90.2	90.4	90.5	90.6	90.7	90.7	90.7	90.7
18000	83.1	86.7	87.8	88.7	89.3	89.7	90.3	90.5	90.5	90.7	90.8	91.0	91.1	91.1	91.1	91.1
16000	83.5	87.4	88.4	89.3	89.9	90.3	91.1	91.4	91.4	91.6	91.7	91.7	91.9	91.9	91.9	91.9
14000	84.3	88.6	89.7	90.6	91.3	91.6	92.4	92.7	92.7	92.9	93.0	93.1	93.2	93.2	93.2	93.2
12000	85.9	89.7	90.8	91.7	92.4	92.7	93.5	93.8	93.8	94.0	94.1	94.2	94.3	94.3	94.3	94.3
10000	87.8	91.9	92.9	94.0	94.7	95.0	95.9	96.2	96.2	96.4	96.5	96.5	96.7	96.7	96.7	96.7
9000	88.3	92.4	93.4	94.5	95.1	95.5	96.4	96.7	96.7	96.9	96.9	97.0	97.2	97.2	97.2	97.2
8000	88.5	92.6	93.6	94.7	95.3	95.7	96.6	96.9	96.9	97.1	97.2	97.2	97.4	97.4	97.4	97.4
7000	88.5	92.6	93.6	94.7	95.3	95.7	96.7	97.0	97.0	97.3	97.4	97.4	97.6	97.6	97.6	97.6
6000	88.9	93.0	94.1	95.2	95.8	96.2	97.2	97.5	97.5	97.8	97.8	97.9	98.1	98.1	98.1	98.1
5000	89.2	93.3	94.4	95.6	96.3	96.7	97.7	98.0	98.0	98.3	98.3	98.4	98.5	98.5	98.5	98.5
4500	89.2	93.3	94.4	95.6	96.3	96.7	97.7	98.0	98.0	98.3	98.3	98.4	98.5	98.5	98.5	98.5
4000	89.9	94.0	95.1	96.3	96.9	97.4	98.4	98.7	98.7	99.0	99.0	99.1	99.2	99.2	99.2	99.2
3500	90.0	94.1	95.2	96.3	97.0	97.4	98.5	98.8	98.8	99.0	99.1	99.2	99.3	99.3	99.3	99.3
3000	90.1	94.2	95.3	96.5	97.2	97.6	98.8	99.0	99.0	99.3	99.4	99.4	99.6	99.6	99.6	99.6
2500	90.1	94.2	95.3	96.5	97.2	97.7	98.8	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8
2000	90.2	94.4	95.5	96.7	97.4	97.8	99.0	99.2	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9
1800	90.2	94.4	95.5	96.7	97.4	97.8	99.0	99.2	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9
1600	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0
1400	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0
1200	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0
1000	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0
900	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0
800	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0
700	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0
600	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0
500	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0
400	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0
300	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0
200	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0
100	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0
0	90.3	94.4	95.6	96.7	97.4	97.9	99.0	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 144

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 4160 DHAHRAN SAUDI ARABIA 46-61 NOV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15 0-1700
GMT

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼
UNLIMITED	79.6	82.7	83.3	83.7	84.4	84.8	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0
≥20000	85.0	88.3	88.9	89.3	90.1	90.6	90.6	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8
≥10000	85.4	88.8	89.4	89.8	90.6	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3
≥5000	86.1	89.5	90.1	90.5	91.3	91.8	91.8	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0
≥3000	88.3	92.0	92.7	93.0	93.9	94.3	94.3	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5
≥2000	89.1	92.8	93.5	93.9	94.8	95.2	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4
≥1500	90.2	94.2	94.9	95.4	96.2	96.7	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9
≥1000	90.9	94.9	95.6	96.1	97.0	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥800	91.3	95.3	96.0	96.5	97.4	97.8	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥600	91.6	95.5	96.2	96.7	97.7	98.1	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥500	91.7	95.8	96.5	97.0	97.9	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥400	92.0	96.1	96.8	97.3	98.2	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥300	92.0	96.2	97.0	97.5	98.4	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥200	92.1	96.5	97.2	97.7	98.7	99.2	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥150	92.1	96.5	97.2	97.8	98.7	99.3	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥100	92.1	96.6	97.4	97.9	98.9	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 50	92.3	96.7	97.5	98.1	99.1	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	92.3	96.7	97.5	98.1	99.1	99.7	99.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	92.3	96.7	97.5	98.1	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	92.3	96.7	97.5	98.1	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.3	96.7	97.5	98.1	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.3	96.7	97.5	98.1	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.3	96.7	97.5	98.1	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 150	92.3	96.7	97.5	98.1	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.3	96.7	97.5	98.1	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	92.3	96.7	97.5	98.1	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.3	96.7	97.5	98.1	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1410

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41180 DHAHRAN SAUDI ARABIA 46-61 XGV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2400
HOUR

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥	≥¾	≥½	≥¼	≥⅛	0	≥¼	≥0
NO CEILING	85.6	87.9	88.3	88.3	88.5	88.5	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 20000	89.3	91.7	92.2	92.2	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 18000	89.7	92.1	92.5	92.6	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 16000	90.0	92.4	92.8	92.9	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 14000	91.6	94.2	94.7	94.8	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 12000	92.8	95.3	95.9	96.0	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 11000	93.6	96.2	96.7	96.8	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 9000	93.8	96.4	96.9	97.0	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 8000	94.2	96.8	97.4	97.4	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 7000	94.7	97.3	97.8	97.9	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 6000	94.9	97.5	98.1	98.1	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 5000	95.3	98.0	98.5	98.6	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4500	95.3	98.0	98.5	98.6	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4000	95.5	98.1	98.7	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	95.5	98.1	98.7	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	95.6	98.2	98.8	98.9	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 2500	95.6	98.3	98.8	99.0	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000	95.8	98.4	99.0	99.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	95.8	98.4	99.0	99.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1700	95.9	98.5	99.1	99.2	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1600	95.9	98.5	99.1	99.2	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1400	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1300	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1100	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	96.0	98.6	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1440

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416 DHAHRAN SAUDI ARABIA 46-61 NOV
STATION STATION NAME YEARS GMT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-2300
LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥5/16	≥¼	≥0	
≥22000	88.2	96.4	98.9	98.9	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.4	91.5
≥20000	90.8	93.0	93.6	93.6	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.9	93.9	94.0	94.1
≥18000	90.9	93.2	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.3
≥16000	91.1	93.3	93.8	93.8	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.3	94.4
≥14000	92.2	94.5	95.0	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.4	95.4	95.4	95.6
≥12000	93.1	95.4	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.3	96.4
≥11000	93.8	96.2	96.7	96.7	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.4
≥10000	94.1	96.4	97.0	97.0	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.7
≥9000	94.3	96.7	97.2	97.2	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	98.0
≥8000	94.6	97.0	97.5	97.5	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.2	98.3
≥7000	95.2	97.6	98.1	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.8	99.0
≥6000	95.8	98.2	98.7	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4	99.6
≥5000	95.8	98.2	98.7	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4	99.6
≥4500	95.9	98.3	98.8	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8
≥4000	95.9	98.3	98.8	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8
≥3500	95.9	98.3	98.8	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8
≥3000	95.9	98.4	98.9	99.0	99.2	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.7	99.9
≥2500	95.9	98.4	98.9	99.0	99.2	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.7	99.9
≥2000	95.9	98.4	98.9	99.0	99.2	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.7	99.9
≥1800	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.9
≥1500	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.9
≥1200	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.9
≥1000	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.9
≥900	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.9
≥800	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.9
≥700	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.9
≥600	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.9
≥500	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.9
≥400	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.9
≥300	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.9
≥200	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.9
≥100	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	100.0
0	96.0	98.5	99.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1390

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41460 DHAHRAN SAUDI ARABIA 46-61 NOV
STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	92.6	85.3	86.1	86.5	87.0	87.2	87.5	87.7	87.7	87.9	88.0	88.0	88.1	88.2	88.3	88.4
≥20000	85.9	88.7	89.6	89.9	90.5	90.7	91.0	91.2	91.2	91.4	91.5	91.5	91.7	91.7	91.8	92.0
≥18000	86.2	89.0	89.9	90.2	90.7	91.0	91.2	91.4	91.5	91.7	91.7	91.8	91.9	92.0	92.0	92.2
≥16000	86.6	89.4	90.2	90.6	91.1	91.4	91.6	91.9	91.9	92.1	92.2	92.2	92.4	92.4	92.5	92.7
≥14000	87.9	90.8	91.7	92.1	92.6	92.9	93.2	93.4	93.4	93.6	93.7	93.7	93.9	93.9	94.0	94.2
≥12000	89.1	92.1	92.9	93.3	93.9	94.2	94.5	94.7	94.7	94.9	95.0	95.0	95.2	95.2	95.3	95.5
≥10000	90.3	93.3	94.2	94.6	95.2	95.5	95.8	96.0	96.0	96.3	96.3	96.4	96.5	96.5	96.6	96.8
≥9000	90.7	93.8	94.6	95.1	95.6	95.9	96.2	96.5	96.5	96.7	96.8	96.8	97.0	97.0	97.1	97.3
≥8000	91.1	94.2	95.0	95.5	96.1	96.3	96.7	96.9	96.9	97.1	97.2	97.2	97.4	97.4	97.5	97.7
≥7000	91.3	94.3	95.2	95.6	96.2	96.5	96.9	97.1	97.1	97.3	97.4	97.4	97.6	97.6	97.7	97.9
≥6000	91.7	94.8	95.7	96.1	96.8	97.1	97.4	97.6	97.6	97.9	97.9	98.0	98.1	98.2	98.3	98.4
≥5000	92.1	95.2	96.1	96.6	97.2	97.5	97.8	98.1	98.1	98.3	98.4	98.4	98.6	98.6	98.7	98.9
≥4500	92.1	95.3	96.2	96.6	97.3	97.6	97.9	98.2	98.2	98.4	98.5	98.5	98.7	98.7	98.8	99.0
≥4000	92.3	95.5	96.4	96.9	97.5	97.8	98.2	98.4	98.4	98.7	98.7	98.8	98.9	99.0	99.1	99.3
≥3500	92.3	95.5	96.4	96.9	97.5	97.8	98.2	98.4	98.4	98.7	98.8	98.8	99.0	99.0	99.1	99.3
≥3000	92.4	95.6	96.5	97.0	97.7	98.0	98.3	98.6	98.6	98.8	98.9	99.0	99.1	99.1	99.2	99.4
≥2500	92.4	95.6	96.6	97.1	97.7	98.0	98.4	98.7	98.7	99.0	99.0	99.1	99.2	99.3	99.4	99.6
≥2000	92.5	95.7	96.6	97.1	97.8	98.1	98.5	98.8	98.8	99.0	99.1	99.1	99.3	99.3	99.4	99.6
≥1800	92.5	95.7	96.6	97.1	97.8	98.1	98.5	98.8	98.8	99.0	99.1	99.1	99.3	99.3	99.4	99.6
≥1600	92.6	95.8	96.7	97.2	97.9	98.2	98.6	98.9	98.9	99.1	99.2	99.2	99.4	99.4	99.5	99.7
≥1400	92.6	95.8	96.8	97.2	97.9	98.3	98.6	98.9	98.9	99.2	99.2	99.3	99.4	99.5	99.6	99.8
≥1200	92.6	95.8	96.8	97.3	97.9	98.3	98.6	98.9	98.9	99.2	99.2	99.3	99.5	99.5	99.6	99.8
≥1000	92.6	95.9	96.8	97.3	98.0	98.3	98.6	98.9	98.9	99.2	99.2	99.3	99.5	99.5	99.6	99.8
≥900	92.6	95.9	96.8	97.3	98.0	98.3	98.6	98.9	98.9	99.2	99.2	99.3	99.5	99.5	99.6	99.8
≥800	92.6	95.9	96.8	97.3	98.0	98.3	98.7	98.9	98.9	99.2	99.3	99.3	99.5	99.5	99.6	99.8
≥700	92.6	95.9	96.8	97.3	98.0	98.3	98.7	98.9	98.9	99.2	99.3	99.3	99.5	99.5	99.6	99.8
≥600	92.6	95.9	96.8	97.3	98.0	98.3	98.7	98.9	98.9	99.2	99.3	99.3	99.5	99.5	99.6	99.8
≥500	92.6	95.9	96.8	97.3	98.0	98.3	98.7	98.9	98.9	99.2	99.3	99.3	99.5	99.5	99.6	99.8
≥400	92.6	95.9	96.8	97.3	98.0	98.3	98.7	99.0	99.0	99.2	99.3	99.4	99.5	99.6	99.7	99.9
≥300	92.6	95.9	96.8	97.3	98.0	98.3	98.7	99.0	99.0	99.2	99.3	99.4	99.5	99.6	99.7	99.9
≥200	92.6	95.9	96.8	97.3	98.0	98.3	98.7	99.0	99.0	99.2	99.3	99.4	99.5	99.6	99.7	99.9
≥100	92.6	95.9	96.8	97.3	98.0	98.3	98.7	99.0	99.0	99.2	99.3	99.4	99.5	99.6	99.7	99.9
0	92.6	95.9	96.8	97.3	98.0	98.3	98.7	99.0	99.0	99.2	99.3	99.4	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 11160

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 4160 — STATION — CHAHRAN SAUDI ARABIA — STATION NAME — 47-61 — YEARS — DEC — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 — HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	¾	½	≥5/16	≥¼	≥0
NO CEILING	75.4	79.5	79.8	80.1	80.6	80.6	80.6	80.7	80.7	80.8	80.8	80.8	80.9	80.9	81.0	81.3
≥ 20000	77.3	81.4	81.7	82.0	82.5	82.5	82.5	82.6	82.6	82.7	82.7	82.7	82.8	82.9	83.0	83.2
≥ 8000	77.3	81.4	81.7	82.0	82.5	82.5	82.5	82.6	82.6	82.7	82.7	82.7	82.8	82.9	83.0	83.2
≥ 6000	78.4	82.5	82.7	83.0	83.6	83.6	83.6	83.7	83.7	83.8	83.8	83.8	83.9	84.0	84.0	84.3
≥ 4000	81.0	85.2	85.5	85.8	86.3	86.3	86.3	86.4	86.4	86.6	86.6	86.6	86.6	86.7	86.8	87.1
≥ 3000	84.3	88.9	89.1	89.4	90.0	90.0	90.0	90.1	90.1	90.2	90.2	90.2	90.3	90.4	90.4	90.7
≥ 2500	87.8	92.6	92.9	93.3	93.9	93.9	93.9	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.3	94.6
≥ 2000	88.1	92.9	93.2	93.6	94.2	94.2	94.2	94.2	94.2	94.4	94.4	94.4	94.5	94.5	94.6	94.9
≥ 1800	88.8	93.7	94.0	94.5	95.0	95.0	95.0	95.1	95.1	95.3	95.3	95.3	95.3	95.4	95.5	95.8
≥ 1600	88.9	93.9	94.2	94.6	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.5	95.5	95.6	95.9
≥ 1400	89.2	94.3	94.6	95.0	95.7	95.7	95.7	95.8	95.8	95.9	95.9	95.9	96.0	96.0	96.1	96.4
≥ 1200	89.6	94.9	95.2	95.6	96.3	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.6	96.7	97.0
≥ 1000	89.8	95.0	95.3	95.8	96.4	96.4	96.4	96.5	96.5	96.6	96.6	96.6	96.7	96.8	96.8	97.1
≥ 900	89.9	95.4	95.7	96.1	96.8	96.8	96.8	96.9	96.9	97.1	97.1	97.1	97.2	97.3	97.3	97.6
≥ 800	90.1	95.5	95.8	96.3	97.1	97.1	97.1	97.1	97.1	97.3	97.3	97.3	97.4	97.5	97.6	97.8
≥ 700	90.4	96.2	96.5	97.1	97.8	97.8	97.8	97.8	97.8	98.1	98.1	98.1	98.1	98.2	98.3	98.6
≥ 600	90.6	96.5	96.8	97.3	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.4	98.5	98.6	98.8
≥ 500	90.9	96.8	97.1	97.7	98.4	98.4	98.4	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.9	99.2
≥ 450	90.9	96.8	97.2	97.8	98.5	98.5	99.5	98.6	98.6	98.8	98.8	98.8	98.8	98.9	99.0	99.3
≥ 400	90.9	97.1	97.5	98.1	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.2	99.3	99.6
≥ 350	90.9	97.1	97.5	98.1	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.2	99.3	99.6
≥ 300	91.0	97.2	97.6	98.1	98.8	98.8	98.8	98.9	98.9	99.2	99.2	99.2	99.3	99.4	99.4	99.7
≥ 250	91.0	97.2	97.6	98.1	98.8	98.8	98.8	98.9	98.9	99.2	99.2	99.2	99.3	99.4	99.4	99.7
≥ 200	91.0	97.2	97.6	98.2	98.9	98.9	98.9	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.5	99.8
≥ 150	91.0	97.2	97.6	98.3	99.0	99.0	99.0	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.9
≥ 100	91.0	97.2	97.6	98.3	99.0	99.0	99.0	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.9
≥ 50	91.0	97.2	97.6	98.3	99.0	99.0	99.0	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.9
≥ 0	91.0	97.2	97.6	98.3	99.0	99.0	99.0	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.6	100.0
	91.0	97.2	97.6	98.3	99.0	99.0	99.0	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1391

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 47-61 (YEARS) DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	72.9	76.1	77.0	77.6	78.5	78.7	79.0	79.1	79.1	79.3	79.5	79.5	79.7	79.8	79.9	80.5
≥ 20000	73.9	77.2	78.1	78.7	79.6	79.7	80.1	80.2	80.2	80.4	80.5	80.6	80.8	80.9	81.0	81.5
≥ 18000	74.4	77.7	78.5	79.1	80.0	80.2	80.5	80.6	80.6	80.8	81.0	81.0	81.3	81.3	81.4	82.0
≥ 6000	75.3	78.6	79.5	80.0	81.0	81.1	81.5	81.5	81.5	81.8	81.9	82.0	82.2	82.3	82.3	82.9
≥ 4000	76.9	80.5	81.4	82.0	82.9	83.0	83.4	83.5	83.5	83.7	83.8	83.9	84.1	84.2	84.3	84.8
≥ 3000	79.9	83.7	84.6	85.1	86.1	86.2	86.6	86.6	86.6	86.9	87.0	87.1	87.3	87.4	87.5	88.1
≥ 10000	83.7	87.9	88.7	89.3	90.3	90.4	90.8	90.9	90.9	91.2	91.3	91.4	91.6	91.7	91.8	92.4
≥ 9000	84.1	88.4	89.3	89.9	90.9	91.0	91.4	91.5	91.5	91.7	91.9	92.0	92.2	92.3	92.5	93.0
≥ 8000	84.6	89.2	90.1	90.7	91.7	91.8	92.2	92.2	92.2	92.5	92.7	92.7	93.0	93.1	93.2	93.6
≥ 7000	85.1	89.7	90.6	91.2	92.2	92.3	92.7	92.7	92.7	93.0	93.2	93.2	93.5	93.6	93.8	94.3
≥ 6000	85.3	90.0	91.0	91.6	92.6	92.7	93.1	93.2	93.2	93.5	93.6	93.7	94.0	94.0	94.2	94.8
≥ 5000	85.8	90.5	91.5	92.1	93.1	93.2	93.6	93.7	93.7	94.0	94.1	94.2	94.5	94.5	94.7	95.3
≥ 4500	85.8	90.7	91.7	92.2	93.2	93.4	93.8	93.8	93.8	94.1	94.3	94.3	94.6	94.7	94.8	95.4
≥ 4000	85.9	91.1	92.1	92.7	93.8	94.0	94.3	94.4	94.4	94.7	94.8	94.9	95.2	95.3	95.5	96.1
≥ 3500	86.3	91.5	92.5	93.1	94.2	94.3	94.7	94.8	94.8	95.0	95.2	95.3	95.5	95.6	95.8	96.5
≥ 3000	86.9	92.2	93.3	94.0	95.0	95.2	95.5	95.6	95.6	95.9	96.0	96.1	96.4	96.5	96.7	97.3
≥ 2500	87.1	92.6	93.8	94.4	95.5	95.6	96.0	96.0	96.0	96.3	96.5	96.6	96.8	96.9	97.1	97.8
≥ 2400	87.2	92.7	93.8	94.5	95.6	95.8	96.1	96.2	96.2	96.5	96.6	96.7	97.0	97.1	97.3	97.9
≥ 2200	87.3	92.7	93.9	94.6	95.7	95.8	96.2	96.3	96.3	96.6	96.7	96.8	97.1	97.1	97.3	98.0
≥ 2100	87.3	92.8	94.0	94.7	95.8	95.9	96.3	96.3	96.3	96.6	96.8	96.8	97.1	97.2	97.4	98.1
≥ 2000	87.3	93.0	94.2	94.9	96.0	96.1	96.5	96.6	96.6	96.8	97.0	97.1	97.3	97.4	97.6	98.3
≥ 1900	87.3	93.1	94.3	95.0	96.1	96.3	96.6	96.7	96.7	97.0	97.1	97.2	97.5	97.6	97.8	98.4
≥ 1800	87.3	93.2	94.5	95.2	96.3	96.4	96.8	96.8	96.8	97.1	97.3	97.3	97.6	97.7	97.9	98.6
≥ 1700	87.3	93.3	94.5	95.3	96.3	96.5	96.8	96.9	96.9	97.2	97.3	97.4	97.7	97.8	98.0	98.6
≥ 1600	87.3	93.4	94.7	95.4	96.5	96.6	97.0	97.1	97.1	97.3	97.5	97.6	97.8	97.9	98.1	98.8
≥ 1500	87.3	93.5	94.8	95.5	96.6	96.8	97.1	97.2	97.2	97.5	97.6	97.7	98.0	98.1	98.3	98.9
≥ 1400	87.3	93.5	94.8	95.5	96.6	96.8	97.2	97.3	97.3	97.6	97.7	97.8	98.1	98.1	98.3	99.0
≥ 1300	87.3	93.5	94.8	95.5	96.6	96.8	97.2	97.3	97.3	97.6	97.8	97.8	98.1	98.2	98.4	99.1
≥ 1200	87.3	93.5	94.8	95.5	96.6	96.8	97.3	97.3	97.3	97.7	97.8	97.9	98.2	98.3	98.6	99.2
≥ 1100	87.3	93.5	94.8	95.5	96.6	96.8	97.3	97.4	97.4	97.8	97.9	98.0	98.3	98.4	98.6	99.4
≥ 0	87.3	93.5	94.8	95.5	96.6	96.8	97.3	97.4	97.4	97.8	97.9	98.0	98.3	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1392

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 DHAHRAN SAUDI ARABIA 46-61 DEC
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
UNLIMITED	63.9	68.1	68.9	69.2	69.9	70.2	70.6	70.6	70.6	70.7	70.8	70.8	71.0	71.4	71.5	72.1
≥ 20000	66.8	71.3	72.1	72.5	73.3	73.6	74.0	74.1	74.1	74.2	74.4	74.4	74.8	75.2	75.3	76.0
≥ 10000	67.7	72.1	72.9	73.3	74.1	74.4	74.8	74.9	74.9	75.1	75.3	75.3	75.6	76.0	76.1	76.8
≥ 8000	68.2	72.8	73.6	74.0	74.8	75.1	75.5	75.6	75.6	75.8	76.0	76.0	76.3	76.7	76.8	77.5
≥ 6000	70.3	75.2	76.0	76.4	77.2	77.5	77.9	78.0	78.0	78.1	78.4	78.4	78.7	79.1	79.2	79.9
≥ 5000	73.8	79.0	79.9	80.3	81.2	81.4	81.9	81.9	81.9	82.1	82.3	82.3	82.6	83.1	83.2	83.9
≥ 4500	77.3	83.3	84.3	85.0	85.9	86.2	86.6	86.7	86.7	86.9	87.1	87.1	87.5	87.9	88.1	88.9
≥ 4000	78.6	84.8	85.7	86.4	87.4	87.7	88.1	88.2	88.2	88.4	88.6	88.6	89.0	89.4	89.6	90.4
≥ 3500	79.6	86.1	87.2	87.9	88.9	89.2	89.6	89.7	89.7	89.9	90.1	90.1	90.4	90.9	91.1	91.8
≥ 3000	80.1	86.6	87.8	88.5	89.5	89.7	90.2	90.2	90.2	90.4	90.7	90.7	91.0	91.4	91.6	92.4
≥ 2500	80.7	87.6	88.7	89.5	90.4	90.7	91.1	91.2	91.2	91.4	91.6	91.6	92.0	92.4	92.6	93.4
≥ 2000	81.4	88.5	89.6	90.5	91.5	91.8	92.2	92.3	92.3	92.5	92.7	92.7	93.0	93.5	93.7	94.4
≥ 1800	81.4	88.7	89.8	90.7	91.7	92.0	92.4	92.5	92.5	92.7	92.9	92.9	93.3	93.7	93.9	94.7
≥ 1600	81.9	89.6	90.8	91.7	92.8	93.0	93.5	93.5	93.5	93.7	94.0	94.0	94.3	94.7	94.9	95.7
≥ 1400	82.3	90.2	91.4	92.3	93.3	93.6	94.0	94.1	94.1	94.3	94.5	94.5	94.9	95.3	95.5	96.3
≥ 1200	82.8	90.8	92.0	92.9	94.0	94.2	94.7	94.7	94.7	94.9	95.2	95.2	95.5	95.9	96.1	96.9
≥ 1000	82.8	90.9	92.1	93.0	94.1	94.4	94.8	94.9	94.9	95.1	95.3	95.3	95.6	96.1	96.3	97.0
≥ 900	82.8	91.0	92.4	93.3	94.4	94.7	95.1	95.2	95.2	95.4	95.6	95.6	95.9	96.3	96.6	97.3
≥ 800	82.9	91.1	92.6	93.5	94.5	94.8	95.2	95.3	95.3	95.5	95.7	95.7	96.1	96.5	96.7	97.5
≥ 700	83.1	91.4	92.9	93.8	94.9	95.2	95.6	95.7	95.7	95.9	96.1	96.1	96.5	96.9	97.2	98.0
≥ 600	83.2	91.6	93.0	94.0	95.0	95.4	95.9	95.9	95.9	96.1	96.3	96.3	96.7	97.1	97.4	98.2
≥ 500	83.5	92.0	93.5	94.4	95.5	95.9	96.3	96.4	96.4	96.7	96.9	96.9	97.3	97.8	98.0	98.8
≥ 450	83.5	92.0	93.5	94.4	95.5	95.9	96.3	96.4	96.4	96.7	96.9	96.9	97.3	97.8	98.0	98.8
≥ 400	83.5	92.0	93.5	94.4	95.6	95.9	96.4	96.5	96.5	96.8	97.0	97.0	97.5	97.9	98.2	98.9
≥ 350	83.6	92.1	93.5	94.4	95.6	96.0	96.5	96.6	96.6	96.9	97.1	97.1	97.5	98.0	98.2	99.0
≥ 300	83.6	92.1	93.6	94.5	95.7	96.1	96.6	96.7	96.7	97.0	97.3	97.3	97.7	98.1	98.4	99.2
≥ 250	83.6	92.1	93.6	94.5	95.7	96.1	96.8	96.8	96.8	97.3	97.5	97.5	97.9	98.3	98.6	99.4
≥ 200	83.6	92.1	93.6	94.5	95.7	96.1	96.8	96.8	96.8	97.3	97.5	97.5	97.9	98.3	98.6	99.4
≥ 150	83.6	92.1	93.6	94.5	95.7	96.1	96.8	96.8	96.8	97.3	97.5	97.5	97.9	98.3	98.6	99.4
≥ 100	83.6	92.1	93.6	94.5	95.7	96.1	96.8	96.8	96.8	97.3	97.5	97.5	97.9	98.4	98.7	99.6
0	83.6	92.1	93.6	94.5	95.7	96.1	96.8	96.8	96.8	97.3	97.5	97.5	97.9	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1423

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41163 DHAHRAN SAUDI ARABIA 46-61 DEC
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥½	≥¼	<¼
NO CEILING	65.7	69.1	70.3	71.0	71.9	72.2	72.7	72.8	72.8	73.0	73.4	73.4	73.6	73.6	73.8	73.9
≥ 20000	69.3	72.8	74.1	74.6	75.8	76.1	76.6	76.8	76.8	76.9	77.3	77.3	77.5	77.5	77.7	77.9
≥ 10000	69.8	73.3	74.6	75.3	76.3	76.6	77.1	77.2	77.2	77.4	77.8	77.8	78.0	78.0	78.2	78.3
≥ 6000	70.9	74.5	75.8	76.5	77.4	77.8	78.3	78.4	78.4	78.5	79.0	79.0	79.2	79.2	79.4	79.5
≥ 4500	72.3	76.1	77.4	78.1	79.1	79.4	79.9	80.1	80.1	80.2	80.6	80.6	80.8	80.8	81.0	81.2
≥ 3000	75.8	80.4	81.7	82.4	83.4	83.7	84.2	84.3	84.3	84.5	84.9	84.9	85.1	85.1	85.3	85.4
≥ 2500	78.8	83.6	85.1	85.8	86.9	87.2	87.7	87.8	87.8	88.0	88.4	88.4	88.6	88.6	88.8	88.9
≥ 2000	80.1	85.6	86.9	87.8	88.9	89.2	89.7	89.8	89.8	90.0	90.4	90.4	90.6	90.6	90.8	90.9
≥ 1800	81.1	87.1	88.4	89.3	90.4	90.8	91.3	91.4	91.4	91.5	92.0	92.0	92.2	92.2	92.4	92.5
≥ 1500	81.4	87.4	88.8	89.7	90.9	91.2	91.7	91.8	91.8	92.0	92.4	92.4	92.6	92.6	92.8	92.9
≥ 1000	81.8	87.8	89.2	90.1	91.3	91.6	92.1	92.2	92.2	92.4	92.8	92.8	93.0	93.0	93.2	93.3
≥ 900	82.3	88.3	89.8	90.6	91.8	92.2	92.6	92.8	92.8	92.9	93.3	93.3	93.5	93.5	93.7	93.9
≥ 800	82.4	88.5	90.0	90.9	92.0	92.4	92.8	93.0	93.0	93.1	93.5	93.5	93.7	93.7	93.9	94.1
≥ 700	83.1	89.5	90.9	91.6	93.1	93.4	93.9	94.0	94.0	94.2	94.6	94.6	94.8	94.8	95.0	95.1
≥ 600	83.3	89.8	91.3	92.2	93.5	93.8	94.3	94.4	94.4	94.6	95.0	95.0	95.2	95.2	95.4	95.5
≥ 500	84.0	90.6	92.1	93.1	94.4	94.8	95.3	95.4	95.4	95.5	95.9	95.9	96.1	96.1	96.4	96.5
≥ 450	84.0	90.7	92.2	93.3	94.6	94.9	95.4	95.5	95.5	95.7	96.1	96.1	96.3	96.3	96.5	96.6
≥ 400	84.5	91.7	93.2	94.2	95.6	95.9	96.4	96.6	96.6	96.7	97.1	97.1	97.3	97.3	97.5	97.7
≥ 350	84.7	91.9	93.4	94.4	95.8	96.1	96.6	96.8	96.8	96.9	97.3	97.3	97.5	97.5	97.7	97.9
≥ 300	84.9	92.2	93.7	94.8	96.4	96.7	97.2	97.4	97.4	97.5	97.9	97.9	98.1	98.1	98.3	98.5
≥ 250	85.0	92.4	93.9	95.0	96.6	96.9	97.5	97.6	97.6	97.7	98.1	98.1	98.3	98.3	98.6	98.7
≥ 200	85.2	92.6	94.2	95.3	97.0	97.3	97.9	98.0	98.0	98.1	98.6	98.6	98.8	98.8	99.0	99.1
≥ 150	85.2	92.6	94.2	95.3	97.0	97.3	97.9	98.0	98.0	98.1	98.6	98.6	98.8	98.8	99.0	99.1
≥ 100	85.3	92.8	94.5	95.5	97.2	97.6	98.1	98.3	98.3	98.4	98.8	98.8	99.0	99.0	99.2	99.4
≥ 70	85.4	93.1	94.7	95.7	97.5	97.8	98.3	98.5	98.5	98.6	99.0	99.0	99.2	99.2	99.4	99.6
≥ 50	85.4	93.2	94.8	95.9	97.6	97.9	98.5	98.6	98.6	98.8	99.2	99.2	99.4	99.4	99.6	99.7
≥ 30	85.4	93.3	95.0	96.0	97.7	98.1	98.6	98.8	98.8	98.9	99.3	99.3	99.5	99.5	99.7	99.9
≥ 0	85.5	93.4	95.0	96.1	97.8	98.1	98.7	98.8	98.8	99.0	99.4	99.4	99.6	99.6	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 1454

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41416C STATION | DHAHRAN SAUDI ARABIA STATION NAME | 46-61 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES ≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥½
UNL	64.6	68.1	68.9	70.4	71.3	71.9	72.5	72.8	72.8	72.9	73.2	73.2	73.3	73.3	73.4	73.4
≥20000	69.9	73.4	74.3	75.8	76.7	77.3	77.9	78.2	78.2	78.3	78.6	78.6	78.7	78.7	78.8	78.8
≥18000	70.2	73.7	74.7	76.2	77.0	77.7	78.2	78.5	78.5	78.7	78.9	78.9	79.0	79.0	79.1	79.1
≥16000	71.4	74.9	75.8	77.3	78.3	78.9	79.4	79.7	79.7	79.9	80.1	80.1	80.2	80.2	80.4	80.4
≥14000	73.4	77.0	78.1	79.5	80.5	81.1	81.6	82.0	82.0	82.1	82.4	82.4	82.4	82.4	82.6	82.6
≥12000	76.4	80.3	81.4	82.9	83.9	84.5	85.0	85.3	85.3	85.5	85.8	85.8	85.8	85.8	86.0	86.0
≥10000	79.9	84.1	85.3	86.8	87.8	88.4	89.0	89.3	89.3	89.5	89.7	89.7	89.8	89.8	89.9	89.9
≥ 9000	80.9	85.1	86.2	87.8	88.8	89.4	90.0	90.3	90.3	90.5	90.7	90.7	90.8	90.8	91.0	91.0
≥ 8000	81.6	86.1	87.2	89.1	90.1	90.7	91.3	91.6	91.6	91.8	92.0	92.0	92.1	92.1	92.2	92.2
≥ 7000	82.1	86.7	87.9	89.7	90.7	91.4	92.0	92.3	92.3	92.4	92.7	92.7	92.8	92.8	92.9	92.9
≥ 6000	82.8	87.9	89.1	91.0	92.0	92.6	93.2	93.5	93.5	93.7	93.9	93.9	94.0	94.0	94.1	94.1
≥ 5000	83.3	88.4	89.6	91.4	92.4	93.0	93.7	94.0	94.0	94.1	94.4	94.4	94.5	94.5	94.6	94.6
≥ 4500	83.7	88.8	90.0	91.8	92.8	93.5	94.1	94.4	94.4	94.5	94.8	94.8	94.9	94.9	95.0	95.0
≥ 4000	84.8	90.1	91.4	93.2	94.3	94.9	95.5	95.8	95.8	95.9	96.2	96.2	96.3	96.3	96.4	96.4
≥ 3500	84.8	90.3	91.6	93.4	94.4	95.0	95.6	95.9	95.9	96.1	96.4	96.4	96.4	96.4	96.6	96.6
≥ 3000	85.4	90.9	92.2	94.1	95.1	95.7	96.4	96.7	96.7	96.8	97.1	97.1	97.2	97.2	97.3	97.3
≥ 2500	85.7	91.2	92.4	94.5	95.5	96.2	96.8	97.1	97.1	97.2	97.5	97.5	97.6	97.6	97.7	97.8
≥ 2000	86.1	91.6	93.0	95.2	96.2	96.9	97.6	98.0	98.0	98.1	98.4	98.4	98.4	98.4	98.6	98.6
≥ 1800	86.3	91.8	93.2	95.4	96.4	97.2	98.0	98.4	98.4	98.5	98.8	98.8	98.9	98.9	99.0	99.1
≥ 1600	86.4	91.9	93.3	95.5	96.6	97.4	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.0	99.1	99.2
≥ 1400	86.4	91.9	93.3	95.5	96.6	97.4	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.0	99.1	99.2
≥ 1200	86.6	92.2	93.7	95.9	97.0	97.8	98.6	98.9	98.9	99.1	99.3	99.3	99.4	99.4	99.5	99.6
≥ 1000	86.6	92.2	93.7	95.9	97.0	97.8	98.6	98.9	98.9	99.1	99.3	99.3	99.4	99.4	99.5	99.6
≥ 900	86.6	92.4	93.8	96.0	97.1	97.9	98.7	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.7
≥ 800	86.6	92.4	93.8	96.0	97.1	97.9	98.7	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.7
≥ 700	86.6	92.5	93.9	96.2	97.2	98.0	98.9	99.2	99.2	99.3	99.6	99.6	99.7	99.7	99.8	99.9
≥ 600	86.6	92.5	93.9	96.2	97.3	98.1	98.9	99.3	99.3	99.4	99.7	99.7	99.7	99.7	99.9	99.9
≥ 400	86.6	92.6	94.0	96.2	97.4	98.2	99.0	99.3	99.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0
≥ 300	86.6	92.6	94.0	96.2	97.4	98.2	99.0	99.3	99.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0
≥ 200	86.6	92.6	94.0	96.2	97.4	98.2	99.0	99.3	99.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0
≥ 100	86.6	92.6	94.0	96.2	97.4	98.2	99.0	99.3	99.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0
0	86.6	92.6	94.0	96.2	97.4	98.2	99.0	99.3	99.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1481

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	6	5	4	3	2½	2	1¾	1½	1¼	1	¾	½	¼	0	
UNL	67.1	69.6	70.7	71.3	71.7	72.0	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.6
25000	72.9	75.3	76.4	77.1	77.4	77.7	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.3
20000	74.0	76.4	77.5	78.2	78.5	78.8	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.4
15000	75.5	78.0	79.2	79.6	80.2	80.4	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.1
10000	78.1	80.7	82.0	82.6	83.0	83.3	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	84.0
9000	80.3	83.0	84.3	84.9	85.3	85.6	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.3
8000	83.7	86.9	88.2	88.9	89.4	89.7	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.4
7000	84.8	87.9	89.3	89.9	90.4	90.7	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.4
6000	85.4	89.0	90.5	91.3	91.8	92.1	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.8
5000	85.8	89.5	91.1	91.8	92.3	92.6	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.3
4500	86.9	90.6	92.2	93.0	93.5	93.9	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.6
4000	87.5	91.3	92.9	93.7	94.2	94.6	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.2
3500	87.6	91.3	93.0	93.8	94.3	94.6	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.3
3000	88.2	92.4	94.1	95.0	95.7	96.1	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2500	88.5	92.7	94.5	95.3	96.1	96.4	96.8	96.8	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.1
2000	88.9	93.2	95.1	96.1	96.9	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.9
1800	89.1	93.4	95.2	96.3	97.1	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.1
1600	89.5	93.9	95.9	97.1	97.9	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.9
1400	89.5	94.0	96.0	97.2	97.9	98.3	98.7	98.6	98.8	98.8	98.8	98.8	98.8	98.9	98.9	99.0
1200	89.6	94.3	96.3	97.5	98.2	98.6	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.3
1000	89.8	94.5	96.5	97.7	98.4	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.5
900	90.0	94.8	96.9	98.1	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9
800	90.0	94.8	96.9	98.1	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9
700	90.0	94.8	96.9	98.1	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
600	90.0	94.8	96.9	98.1	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
500	90.0	94.8	96.9	98.1	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
400	90.0	94.8	96.9	98.1	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
300	90.0	94.8	96.9	98.1	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
200	90.0	94.8	96.9	98.1	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
100	90.0	94.8	96.9	98.1	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
0	90.0	94.8	96.9	98.1	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1452

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41 6C (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13 0-2 00

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	73.8	75.8	76.1	76.3	76.5	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8
≥ 20000	77.5	79.6	79.8	80.0	80.2	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5
≥ 18000	78.3	80.4	80.6	80.8	81.0	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3
≥ 16000	80.1	82.2	82.5	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1
≥ 14000	83.1	85.4	85.6	85.9	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.4
≥ 12000	85.4	87.7	87.9	88.2	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.7
≥ 11000	89.1	91.5	91.8	92.2	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6
≥ 10000	90.0	92.6	92.9	93.3	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7
≥ 9000	90.7	93.4	93.9	94.3	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
≥ 8000	90.8	93.7	94.3	94.7	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1
≥ 7000	91.2	94.3	94.9	95.3	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8
≥ 6000	91.6	94.9	95.5	95.9	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 5000	91.6	94.9	95.5	95.9	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 4500	92.0	95.7	96.4	96.8	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3
≥ 4000	92.2	95.8	96.5	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
≥ 3500	92.6	96.7	97.4	98.0	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
≥ 3000	92.6	96.8	97.6	98.2	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 2500	92.8	97.1	97.9	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
≥ 2000	92.8	97.2	98.0	98.7	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 1800	92.9	97.2	98.0	98.9	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 1600	93.0	97.3	98.1	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5
≥ 1400	93.0	97.6	98.4	99.3	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 1200	93.0	97.6	98.4	99.3	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 1000	93.0	97.6	98.5	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 900	93.0	97.6	98.5	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 800	93.0	97.6	98.5	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 700	93.0	97.6	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 600	93.0	97.6	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 500	93.0	97.6	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 400	93.0	97.6	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300	93.0	97.6	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	93.0	97.6	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	93.0	97.6	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0	93.0	97.6	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1482

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 416[illegible] DHAHRAN SAUDI ARABIA 46-61 216
STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1100-2200

OBSERVATIONS

CEILING (FEET)	≥22	≥6	≥5	≥4	≥3	≥2	≥1	≥0	≥1/2	≥1/4	≥1/8	≥1/16	0
12000	77.2	80.1	80.3	80.7	80.7	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.0
10000	79.5	82.4	82.6	83.1	83.1	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3
9000	80.2	83.1	83.3	83.8	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0
8000	81.6	84.5	84.7	85.2	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4
7000	84.1	87.1	87.3	87.8	87.8	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0
6000	86.5	89.7	90.0	90.4	90.5	90.5	90.6	90.7	90.7	90.8	90.8	90.8	90.8
5000	88.8	92.3	92.7	93.1	93.2	93.2	93.3	93.4	93.4	93.5	93.5	93.5	93.5
4500	89.9	93.4	93.7	94.2	94.2	94.2	94.4	94.4	94.4	94.5	94.5	94.5	94.5
4000	90.7	94.3	94.7	95.1	95.2	95.2	95.4	95.4	95.4	95.5	95.5	95.5	95.5
3500	90.9	94.4	94.9	95.3	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6
3000	91.4	95.2	95.6	96.2	96.3	96.3	96.4	96.5	96.5	96.6	96.6	96.6	96.6
2500	91.7	95.3	96.2	96.8	96.8	96.8	97.0	97.0	97.0	97.1	97.1	97.1	97.1
2000	91.8	95.9	96.3	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2
1800	92.2	96.7	97.3	97.8	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
1500	92.2	96.7	97.3	97.8	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
1200	92.5	97.3	97.9	98.5	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
1000	92.5	97.3	97.9	98.5	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
900	92.8	98.0	98.6	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
800	92.8	98.0	98.6	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
700	92.9	98.2	98.9	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
600	92.9	98.2	98.9	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
500	92.9	98.2	98.9	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
400	92.9	98.2	98.9	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
300	92.9	98.2	98.9	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
200	92.9	98.2	98.9	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
150	92.9	98.2	98.9	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
100	92.9	98.2	98.9	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
50	92.9	98.2	98.9	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
0	92.9	98.2	98.9	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1422

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

41180 DHAHRAN SAUDI ARABIA 4E-61 ALL
STATION STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CEILING (HUNDREDS OF FEET)	VISIBILITY (STATUTE MILES)																
	≥6	5	4	3	2½	2	1½	1	¾	½	¼	0					
≥22000	70.0	73.3	73.9	74.5	75.1	75.3	75.6	75.7	75.7	75.8	75.8	75.9	76.0	76.1	76.2	76.4	
≥20000	73.4	76.6	77.4	78.0	78.6	78.8	79.0	79.2	79.2	79.3	79.4	79.4	79.5	79.6	79.7	79.9	
≥18000	74.9	77.2	78.0	78.6	79.1	79.4	79.6	79.8	79.9	79.9	80.0	80.0	80.1	80.2	80.3	80.5	
≥16000	75.1	78.5	79.2	79.8	80.4	80.6	80.9	81.0	81.0	81.1	81.2	81.3	81.4	81.4	81.5	81.6	
≥14000	77.4	80.9	81.7	82.2	82.8	83.1	83.4	83.5	83.6	83.6	83.7	83.7	83.8	83.9	84.0	84.2	
≥12000	80.3	84.0	84.8	85.4	86.1	86.3	86.6	86.7	86.7	86.8	86.8	86.9	86.9	87.0	87.1	87.3	
≥10000	83.6	87.8	88.6	89.3	89.9	90.2	90.5	90.6	90.6	90.7	90.8	90.8	91.0	91.1	91.1	91.4	
≥9000	84.5	88.8	89.6	90.3	91.0	91.2	91.5	91.6	91.6	91.8	91.9	91.9	92.0	92.1	92.2	92.5	
≥8000	85.3	89.8	90.7	91.5	92.2	92.4	92.7	92.8	92.9	93.0	93.1	93.1	93.2	93.3	93.4	93.6	
≥7000	85.6	90.2	91.2	91.9	92.6	92.8	93.1	93.2	93.2	93.4	93.5	93.5	93.6	93.7	93.8	94.1	
≥6000	86.2	91.0	91.9	92.7	93.4	93.6	93.9	94.0	94.1	94.2	94.3	94.3	94.4	94.5	94.6	94.9	
≥5000	86.7	91.5	92.5	93.3	94.0	94.3	94.6	94.7	94.7	94.8	94.9	94.9	95.1	95.1	95.2	95.5	
≥4500	86.8	91.7	92.7	93.5	94.2	94.4	94.7	94.8	94.8	95.0	95.1	95.1	95.2	95.3	95.4	95.6	
≥4000	87.3	92.5	93.6	94.4	95.2	95.4	95.7	95.8	95.9	96.0	96.1	96.1	96.2	96.3	96.4	96.7	
≥3500	87.4	92.8	93.8	94.7	95.5	95.7	96.0	96.1	96.1	96.2	96.4	96.4	96.5	96.6	96.7	96.9	
≥3000	87.9	93.5	94.6	95.5	96.3	96.5	96.8	96.9	96.9	97.0	97.2	97.2	97.3	97.4	97.5	97.7	
≥2500	88.1	93.7	94.8	95.7	96.5	96.7	97.0	97.1	97.1	97.3	97.4	97.4	97.5	97.6	97.7	98.0	
≥2000	88.3	94.1	95.3	96.2	97.0	97.3	97.6	97.7	97.7	97.8	98.0	98.0	98.1	98.2	98.3	98.6	
≥1800	88.4	94.2	95.4	96.3	97.1	97.4	97.7	97.8	97.9	98.0	98.1	98.1	98.2	98.3	98.4	98.7	
≥1600	88.5	94.4	95.6	96.6	97.4	97.7	98.0	98.1	98.1	98.3	98.4	98.4	98.5	98.6	98.7	99.0	
≥1400	88.6	94.5	95.7	96.7	97.5	97.8	98.1	98.2	98.3	98.4	98.5	98.5	98.6	98.7	98.8	99.1	
≥1200	88.7	94.7	95.9	96.9	97.8	98.1	98.4	98.5	98.6	98.7	98.8	98.8	99.0	99.0	99.1	99.4	
≥1000	88.7	94.7	95.9	97.0	97.8	98.1	98.4	98.5	98.6	98.7	98.8	98.8	99.0	99.1	99.2	99.4	
≥900	88.7	94.8	96.0	97.0	97.9	98.2	98.5	98.6	98.7	98.8	98.9	98.9	99.1	99.2	99.3	99.5	
≥800	88.7	94.8	96.1	97.1	98.0	98.2	98.6	98.7	98.7	98.9	99.0	99.0	99.1	99.2	99.3	99.6	
≥700	88.7	94.9	96.1	97.2	98.0	98.3	98.7	98.8	98.8	98.9	99.1	99.1	99.2	99.3	99.4	99.7	
≥600	88.7	94.9	96.2	97.2	98.1	98.3	98.7	98.9	98.9	99.0	99.2	99.2	99.3	99.4	99.5	99.8	
≥500	88.7	94.9	96.2	97.2	98.1	98.4	98.8	98.9	98.9	99.1	99.2	99.2	99.3	99.4	99.5	99.8	
≥400	88.7	94.9	96.2	97.2	98.1	98.4	98.8	98.9	98.9	99.1	99.2	99.2	99.3	99.4	99.5	99.8	
≥300	88.8	94.9	96.2	97.2	98.1	98.4	98.8	98.9	98.9	99.1	99.2	99.2	99.3	99.4	99.5	99.8	
≥200	88.8	94.9	96.2	97.2	98.1	98.4	98.8	98.9	98.9	99.1	99.2	99.2	99.3	99.4	99.6	99.9	
<200	88.8	94.9	96.2	97.2	98.1	98.4	98.8	98.9	98.9	99.1	99.2	99.2	99.3	99.4	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 11497

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 416F DHAHRAN SAUDI ARABIA 46-62 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CEILING (HUNDREDS OF FEET)	VISIBILITY (STATUTE MILES)															
	10	7	5	4	3	2½	2	1½	1	¾	½	¼	0			
22+	67.5	75.6	77.9	79.4	81.6	82.6	83.7	84.3	84.9	85.1	85.6	85.7	85.8			
20	69.7	78.1	80.3	82.0	84.2	85.2	86.3	87.0	87.1	87.6	88.2	88.3	88.7	88.9		
18	70.1	78.4	80.7	82.4	84.6	85.7	86.8	87.4	87.6	88.3	88.7	88.8	89.2	89.4		
16	70.7	79.1	81.4	83.1	85.4	86.4	87.6	88.2	88.4	89.1	89.5	89.6	90.1	90.3		
14	72.0	80.6	83.0	84.7	87.0	88.0	89.2	89.9	90.0	90.7	91.2	91.3	91.7	91.9		
12	73.7	82.6	85.0	86.7	89.1	90.1	91.4	92.0	92.2	92.9	93.4	93.5	93.9	94.1		
10	75.4	84.5	86.9	88.7	91.1	92.1	93.4	94.0	94.2	95.0	95.4	95.5	96.0	96.1		
9	75.7	84.9	87.3	89.1	91.5	92.5	93.8	94.4	94.6	95.4	95.8	95.9	96.4	96.5		
8	76.1	85.4	87.8	89.6	92.0	93.1	94.4	95.0	95.2	96.0	96.4	96.5	97.0	97.1		
7	76.2	85.6	88.0	89.8	92.2	93.3	94.6	95.2	95.4	96.2	96.6	96.7	97.2	97.3		
6	76.4	85.8	88.2	90.1	92.6	93.6	94.9	95.6	95.7	96.5	96.9	97.1	97.6	97.7		
5	76.7	86.2	88.6	90.5	92.9	94.0	95.3	95.9	96.1	96.9	97.3	97.4	97.9	98.0		
4½	76.7	86.2	88.7	90.5	93.0	94.0	95.3	96.0	96.1	96.9	97.4	97.5	97.9	98.1		
4	76.9	86.4	88.9	90.8	93.2	94.3	95.6	96.2	96.4	97.2	97.6	97.8	98.2	98.3		
3½	76.9	86.5	89.0	90.8	93.3	94.3	95.6	96.3	96.5	97.2	97.7	97.8	98.3	98.4		
3	77.0	86.6	89.1	91.0	93.5	94.5	95.8	96.5	96.6	97.4	97.9	98.0	98.5	98.6		
2½	77.0	86.7	89.2	91.1	93.5	94.6	95.9	96.6	96.7	97.5	98.0	98.1	98.5	98.7		
2	77.1	86.8	89.3	91.2	93.7	94.7	96.0	96.7	96.9	97.7	98.1	98.2	98.7	98.8		
1½	77.1	86.8	89.3	91.2	93.7	94.8	96.0	96.7	96.9	97.7	98.1	98.3	98.7	98.9		
1	77.1	86.9	89.4	91.3	93.8	94.8	96.1	96.8	97.0	97.8	98.2	98.4	98.9	99.0		
¾	77.2	86.9	89.4	91.3	93.8	94.9	96.2	96.9	97.0	97.8	98.3	98.4	98.9	99.0		
½	77.2	86.9	89.5	91.4	93.9	95.0	96.3	97.0	97.1	97.9	98.4	98.6	99.2	99.3		
¼	77.2	86.9	89.5	91.4	93.9	95.0	96.3	97.0	97.1	97.9	98.4	98.6	99.2	99.3		
0	77.2	87.0	89.5	91.4	93.9	95.0	96.3	97.0	97.2	98.0	98.5	98.6	99.1	99.3		
	77.2	87.0	89.5	91.4	93.9	95.0	96.3	97.0	97.2	98.0	98.5	98.6	99.1	99.3		
	77.2	87.0	89.6	91.5	94.0	95.0	96.4	97.1	97.2	98.0	98.5	98.7	99.2	99.3		
	77.2	87.0	89.6	91.5	94.0	95.1	96.4	97.1	97.3	98.1	98.6	98.7	99.2	99.4		
	77.2	87.0	89.6	91.5	94.0	95.1	96.4	97.1	97.3	98.1	98.6	98.7	99.2	99.4		
	77.2	87.0	89.6	91.5	94.0	95.1	96.4	97.1	97.3	98.1	98.6	98.8	99.3	99.4		
	77.2	87.0	89.6	91.5	94.0	95.1	96.4	97.1	97.3	98.1	98.6	98.8	99.3	99.4		
	77.2	87.0	89.6	91.5	94.0	95.1	96.4	97.1	97.3	98.1	98.6	98.8	99.3	99.5		
	77.2	87.0	89.6	91.5	94.0	95.1	96.4	97.1	97.3	98.1	98.6	98.8	99.3	99.5		

TOTAL NUMBER OF OBSERVATIONS 13,524

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATIONS A SYMBOL OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 7/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

41460 | DHAHRAN SAUDI ARABIA | 47-62 | JAN.
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	60.6			19.1						11.0	9.2	2.5	1395
	03-05	59.9			18.3						10.0	11.8	2.6	1395
	06-08	39.5			27.5						19.7	13.3	3.9	1398
	09-11	41.9			24.7						21.6	11.8	3.9	1488
	12-14	38.5			26.6						21.4	13.4	4.1	1456
	15-17	38.6			27.7						20.8	12.9	4.0	1455
	18-20	47.5			26.2						15.9	10.4	3.3	1495
	21-23	57.0			22.1						10.9	10.0	2.6	1454
TOTALS		47.9			24.0						16.4	11.6	3.4	11526

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

41160 DHAHRAN SAUDI ARABIA 46-62 FEB
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	56.9			20.0						12.0	11.2	2.8	1296
	03-05	57.0			20.3						11.8	10.9	2.8	1299
	06-08	37.4			29.8						19.6	13.2	4.0	1334
	09-11	37.4			25.5						20.7	16.4	4.3	1374
	12-14	36.0			26.3						21.2	16.5	4.3	1401
	15-17	37.0			23.7						22.5	16.8	4.4	1374
	18-20	44.2			24.8						19.5	11.6	3.7	1401
	21-23	53.7			23.5						12.7	10.2	2.9	1330
TOTALS		45.0			24.2						17.5	13.4	3.7	10809

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

41416 | DHAHRAN SAUDI ARABIA | 46-62 | MAR
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	47.9			21.2						14.3	16.6	3.6	1395
	03-05	44.9			20.6						16.9	17.6	3.9	1395
	6-08	29.8			24.9						24.3	21.0	5.0	1459
	09-11	31.4			24.4						25.1	19.1	4.9	1551
	12-14	30.1			23.7						26.2	20.1	5.1	1581
	15-17	31.8			23.5						26.5	18.2	4.9	1550
	18-20	37.3			26.7						22.5	13.6	4.2	1579
	21-23	46.6			24.8						15.0	13.6	3.5	1457
TOTALS		37.5			23.7						21.4	17.5	4.4	11967

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

40416C — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — PERIOD
APR — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN	TOTAL NUMBER OF CASES
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	55.7			20.8						11.3	12.2	2.9	1259
	03-05	47.8			26.9						12.6	12.7	3.2	1260
	06-08	36.7			24.9						23.6	14.9	4.4	1315
	09-11	40.3			22.5						22.0	15.2	4.2	1398
	12-14	37.0			24.8						23.3	14.8	4.3	1428
	15-17	36.1			24.6						24.2	15.1	4.4	1404
	18-20	40.9			27.9						20.6	10.6	3.7	1428
	21-23	53.9			20.9						14.9	10.3	3.0	1320
TOTALS		43.6			24.2						19.1	13.2	3.8	10812

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

40416O | STATION | DHAHRAN SAUDI ARABIA | STATION NAME | 45-61 | PERIOD | MAY | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	64.5			17.5						10.1	7.9	2.2	1300
	03-05	59.0			23.7						10.4	6.9	2.3	1302
	06-08	51.8			25.0						14.5	8.8	2.9	1389
	09-11	54.0			24.5						12.3	9.2	2.8	1421
	12-14	50.9			25.6						14.1	9.3	3.0	1425
	15-17	54.6			24.2						14.4	6.8	2.7	1426
	18-20	58.1			21.4						13.9	6.6	2.6	1427
	21-23	65.8			17.7						10.3	6.2	2.1	1364
TOTALS		57.3			22.5						12.5	7.7	2.6	11054

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

40416C — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — PERIOD
JUN — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS SKY COVER	TOTAL NUMBER OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	79.9			12.5						4.8	2.9	1.1	1258
	03-05	72.3			19.3						6.9	2.5	1.4	1260
	06-08	70.7			20.3						6.2	2.8	1.4	1380
	09-11	72.0			19.6						5.5	2.8	1.4	1410
	12-14	74.8			17.8						5.2	2.2	1.2	1440
	15-17	79.1			14.3						4.6	2.1	1.0	1410
	18-20	79.6			15.8						3.2	1.4	.9	1440
	21-23	83.9			11.7						2.7	1.7	.8	1320
TOTALS		76.5			16.3						4.9	2.3	1.2	10918

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

41416C | DHAHRAN SAUDI ARABIA | 45-61 | JUL
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	71.3			16.7						7.7	4.2	1.6	1395
	03-05	58.7			26.8						9.7	4.9	2.2	1394
	06-08	50.1			29.8						13.2	6.9	2.8	1425
	09-11	57.0			26.8						10.4	5.9	2.3	1457
	12-14	59.2			24.9						9.7	6.2	2.2	1488
	15-17	62.5			22.3						10.3	4.9	2.1	1457
	18-20	58.6			28.3						8.3	4.8	2.1	1488
	21-23	70.7			18.1						6.8	4.4	1.6	1426
TOTALS		61.0			24.2						9.5	5.3	2.1	11530

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

41160 | DHAHRAN SAUDI ARABIA | 46-61 | AUG
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	78.3			16.1						3.4	2.2	1.0	1395
	03-05	69.6			22.7						5.8	1.9	1.4	1395
	06-08	56.3			31.1						9.6	3.0	2.1	1427
	09-11	66.5			24.1						7.1	2.2	1.6	1458
	12-14	70.0			22.5						6.1	1.3	1.4	1486
	15-17	72.1			21.2						5.4	1.3	1.2	1457
	18-20	68.6			24.7						4.7	1.9	1.4	1488
	21-23	77.6			17.4						3.4	1.5	1.0	1426
TOTALS		69.9			22.5						5.7	1.9	1.4	11532

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

4 4160 DHAHRAN SAUDI ARABIA 45-61 SEP
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF [illegible]	TOTAL NUMBER OF [illegible]
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	90.0			6.5						2.1	1.4	.5	1350
	03-05	84.7			11.0						2.7	1.6	.7	1350
	06-08	74.3			19.9						4.3	1.5	1.1	1381
	09-11	82.7			14.7						2.1	.6	.7	1410
	12-14	86.8			11.3						1.0	.8	.5	1439
	15-17	85.7			12.8						.9	.7	.5	1410
	18-20	86.0			12.5						1.0	.6	.5	1440
	21-23	90.5			7.8						1.0	.7	.4	1380
TOTALS		85.1			12.1						1.9	1.0	.6	11160

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

40416 DHAHRAN SAUDI ARABIA 46-61 OCT
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S T)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	92.8			5.3						1.0	.9	.3	1395
	03-05	91.2			6.5						1.6	.7	.4	1395
	06-08	80.8			14.8						3.0	1.4	.9	1429
	09-11	83.5			12.1						3.4	1.0	.8	1457
	12-14	84.5			11.8						2.5	1.2	.7	1488
	15-17	85.0			12.3						2.1	.6	.6	1457
	18-20	90.2			8.1						1.5	.3	.4	1488
	21-23	92.2			6.2						1.4	.2	.3	1425
TOTALS		87.5			9.6						2.1	.8	.6	11534

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

41160 DHAHRAN SAUDI ARABIA 46-61 NOV
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	67.4			19.7						9.0	3.9	1.8	1349
	03-05	63.9			23.5						8.1	4.5	1.9	1350
	06-08	41.2			36.9						15.6	6.3	3.1	1380
	09-11	44.9			33.8						15.1	6.2	3.0	1411
	12-14	44.3			32.5						16.9	6.3	3.1	1440
	15-17	42.9			33.0						17.4	6.6	3.2	1410
	18-20	58.0			24.7						11.5	5.8	2.4	1440
	21-23	66.2			20.3						8.7	4.9	1.9	1380
TOTALS		53.6			28.1						12.8	5.6	2.6	11160

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

41416 DHAHRAN SAUDI ARABIA 46-61 DEC
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	52.6			24.4						11.9	11.1	3.9	1391
	03-05	51.2			24.0						12.6	12.1	4.1	1392
	06-08	30.9			32.5						21.9	14.8	4.4	1423
	09-11	32.3			32.4						21.9	13.4	4.3	1454
	12-14	28.3			33.4						24.3	14.1	4.6	1483
	15-17	27.9			31.7						24.6	15.8	4.7	1452
	18-20	40.6			28.3						17.3	13.8	3.9	1482
	21-23	50.6			24.6						12.2	12.7	3.1	1422
TOTALS		39.3			28.9						18.3	13.5	3.9	11499

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH

...ATHER SERVICE/MAC

SKY COVER

...DHAHRAN SAUDI ARABIA

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										
		0	1	2	3	4	5	6	7	8	9	10
...AN	ALL	47.4	24.7				12.4	11.5	7.4	11.7		
...EB		49.	29.2				12.7	12.4	5.7	1		
MA		57.5	23.7				11.4	1	.4	1		
...PR		47.1	24.7				14.1	13.	7.	1		
MAY		57.3	22.5				12.	7.7	.	11		
...N		76.5	15.3				4.9	2.7	1.7	1		
JUL		71.7	24.2				2.5	1.7	.1	11		
A		69.9	22.5				5.7	1.9	1.4	11		
SEP		67.1	19.1				1.9	1.	.	11		
OCT		67.5	9.6				2.1	.	.	11		
NOV		53.6	29.1				12.5	5.4	2.4	111		
DEC		52.3	25.9				14.3	13.	7.2	11		
	TOTALS	54.7	21.7				11.8	7.5	3.	12		

USAFETAC FORM 0-9-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

   a. Daily maximum temperatures
   b. Daily minimum temperatures
   c. Daily mean temperatures

   NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

   a. Extreme maximum temperature
   b. Extreme minimum temperature

   NOTE: The following symbols are used in the extreme data blocks:

   (1) * indicates the extreme was selected from a month with one or more days missing.

   (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include [illegible] increments for [illegible] months.

Continued on Reverse

E

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

   a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

      NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

   b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means ($\bar{X}$), and standard deviations (σx). The number of observations used in the computation for each element is also shown.

   c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

      NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

   a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

   b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

40416D DHAHRAN SAUDI ARABIA 46-62
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
≥ 120								.2					.0
≥ 115					.5	1.4	3.9	3.4	.7				.8
≥ 110				.2	3.7	18.6	33.3	35.7	7.3	.2			8.3
≥ 105				.7	15.9	61.2	82.8	83.4	37.1	3.0			23.6
≥ 100				6.4	44.0	90.7	98.1	98.9	76.2	18.1			36.0
≥ 95	.2		1.9	22.4	77.2	100.0	100.0	100.0	97.8	53.5	1.8		46.1
≥ 90		.7	6.9	45.5	94.5				100.0	86.0	13.1		53.7
≥ 85	.4	.9	20.6	76.2	99.1					98.7	44.7	.9	61.5
≥ 80	2.4	6.3	41.9	92.1	100.0					99.8	76.9	8.4	68.8
≥ 75	14.2	29.1	72.5	98.1						100.0	95.1	40.1	78.8
≥ 70	47.7	63.3	91.3	99.5							98.2	78.4	89.8
≥ 65	85.2	89.4	98.7	100.0							99.8	93.5	97.2
≥ 60	97.4	98.6	99.8								100.0	98.5	99.5
≥ 55	99.4	99.8	100.0									100.0	99.9
≥ 50	100.0	100.0											100.0
MEAN	69.4	71.4	78.7	89.0	98.6	105.5	107.7	107.8	102.9	95.0	83.6	72.9	93.2
S.D.	5.125	5.723	6.966	6.819	5.909	4.407	3.703	3.669	4.469	5.039	5.680	5.129	15.364
TOTAL OBS	465	433	465	420	434	420	465	465	450	465	450	464	5396

USAFETAC FORM 0-21-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
404160 DHAHRAN SAUDI ARABIA 46-62
STATION STATION NAME YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90					.7	5.0	12.3	6.7					3.1
85					3.7	31.4	67.1	55.3	8.9				14.0
80				.5	32.5	78.1	97.6	96.3	57.3	2.9			30.5
75				8.8	76.0	96.9	100.0	100.0	92.7	37.2	2.4		42.7
70			2.8	45.7	96.5	99.8			100.0	80.0	20.4	1.3	53.6
65	1.1	1.4	24.7	80.7	99.8	100.0				96.1	55.3	7.3	63.5
60	12.5	21.0	63.0	95.7	100.0					100.0	86.7	28.0	75.3
55	38.3	57.5	88.4	99.3							97.8	66.6	87.2
50	73.3	82.4	98.7	100.0							99.8	92.7	95.5
45	95.1	96.5	100.0								100.0	98.7	99.2
40	98.9	99.3										100.0	99.9
35	100.0	100.0											100.0
MEAN	53.0	54.8	60.8	68.6	77.4	82.6	85.7	84.7	79.9	72.7	65.1	56.7	70.2
S D	5.274	5.332	4.926	4.751	4.257	4.023	3.015	2.962	3.340	4.029	5.086	5.265	12.384
TOTAL OBS	465	433	465	420	434	420	465	465	450	465	450	464	5396

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

404160 DHAHRAN SAUDI ARABIA 46-62
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
105							.2						.0
100					.9	5.5	15.9	12.9	.7				3.0
95					6.5	50.7	85.2	78.3	18.4	.6			23.1
90				.7	38.7	92.6	99.8	99.6	74.4	5.2			34.2
85			.2	14.5	81.1	99.5	100.0	100.0	98.9	48.2	1.1		45.1
80			4.5	47.6	96.8	100.0			100.0	87.7	15.8		54.1
75	.2	1.2	20.4	82.6	99.8					98.3	53.6	2.2	62.8
70	3.9	11.1	53.3	96.4	100.0					100.0	83.3	17.9	71.6
65	26.2	43.4	83.7	99.3							96.9	55.2	83.5
60	69.0	77.8	97.4	100.0							99.6	89.9	94.4
55	94.6	95.8	100.0								100.0	98.3	99.1
50	98.7	98.8										99.8	99.8
45	100.0	100.0										100.0	100.0
MEAN	61.5	63.3	70.0	79.0	88.3	94.3	97.0	96.5	91.6	84.1	74.6	65.1	80.4
S.D.	4.677	5.058	5.391	5.191	4.491	3.330	2.501	2.595	3.247	3.982	4.988	4.690	13.526
TOTAL OBS	465	433	465	420	434	420	465	465	450	465	450	464	5396

USAFETAC FORM 0-21-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

41516 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS)

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46	#	81											
47							116	113	112	104	96	81	
48	73	78	96	93	114	112	117	115	111	100	92#	81	117
49	77	78	99	110	112	112	116	113	11.	103	92	80	116
50	81	73	85	98	111	114	113	114	110	107	94	80	114
51	82	92	88	99	107	118	110	113	116	112	94	83	118
52	76	84	90	101	112	113	115	116	111	103	92	81	116
53	96	80	92	105	108	111	114	114	111	104	93	79	114
54	83	80	92	101	104	111	118	116	112	103	96	84	118
55	72	83	97	104	113	114	114	115	111	100	99	85	115
56	79	82	96	98	102	112	110	119	114	104	90	83	119
57	85	81	98	95	103	116	113	115	115	106	98	82	116
58	83	83	96	108	115	115	116	117	108	104	90	87	117
59	76	77	94	103	110	116	112	113	110	102	88	80	116
60	81	92	91	102	116	113	114	120	116	102	94	78	120
61	80	81	99	99	108	114	111	114	108	101	92	82	114
62	77	83	98										
MEAN	80.4	81.8	94.1	101.1	109.6	113.6	114.9	115.1	111.7	104.3	93.5	81.8	116.4
S D	5.488	5.031	4.250	4.688	4.465	2.361	2.100	2.167	2.554	3.035	3.182	2.455	1.938
TOTAL OBS	465	433	465	420	434	420	465	465	450	465	450	464	5396

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-3 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

41160 DHAHRAN SAUDI ARABIA 46-62
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46	*	49											
47							79	77	74	67	58	43	
48	45	48	50	56	69	74	78	79	71	6[illegible]	55*	4[illegible]	* 49
49	38	39	46	54	70	72	80	79	73	64	58	51	38
50	35	37	49	56	67	78	79	76	76	67	54	49	56
51	39	44	53	56	73	77	79	8[illegible]	78	65	58	45	39
52	45	45	51	63	71	77	78	79	75	69	57	5[illegible]	45
53	49	49	51	59	72	75	78	82	74	71	52	42	42
54	47	51	50	61	71	80	83	83	74	71	60	52	47
55	46	49	53	60	70	77	79	79	74	66	61	52	46
56	46	46	57	52	69	77	81	83	72	65	54	47	46
57	41	44	52	61	68	74	81	81	76	69	57	42	41
58	47	44	54	65	74	76	82	80	73	67	48	5[illegible]	44
59	47	45	45	61	74	74	82	78	70	63	51	47	45
60	43	49	52	63	68	72	80	79	75	63	59	49	43
61	43	50	52	63	63	67	80	78	71	65	5[illegible]	48	49
62	44	45	51										
MEAN	44.1	45.7	51.1	59.3	69.9	75.0	79.9	79.5	73.7	66.1	55.9	47.6	43.1
S D	3.900	3.922	2.963	3.891	2.973	3.234	1.642	2.031	2.154	3.[illegible]67	3.871	3.478	3.685
TOTAL OBS	465	433	465	420	434	420	465	465	450	465	450	464	5396

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AIR 64 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] / DHAHRAN SAUDI ARABIA / 47-[illegible] / JAN
STATION / STATION NAME / YEARS / MONTH

PAC [illegible] / 2000-0200
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 71						.1												1	1		
[illegible] / 69			.1			.1												1	1		
[illegible] / 67		.[illegible]	.[illegible]	.1	.1													[illegible]	[illegible]	[illegible]	
[illegible] / 65		1.6	1.6	.4	.1													[illegible]	[illegible]	1[illegible]	4
[illegible] / 63	.3	[illegible].7	2.4	1.2	.[illegible]		.1											[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 61	.4	4.6	3.[illegible]	1.2	.2	.1	.3											[illegible]	136	[illegible]	[illegible]6
[illegible] / 59	.3	3.4	4.5	1.5	.4	.[illegible]		.1										[illegible]	[illegible]	174	[illegible]4
[illegible] / 57	.4	5.5	4.7	2.2	1.4	.4	.1											[illegible]	[illegible]	142	131
[illegible] / 55	.5	4.3	6.9	2.3	1.1		.1											[illegible]	[illegible]	175	131
[illegible] / 53	.1	2.6	[illegible].7	1.6	.[illegible]	.4	.1											[illegible]	[illegible]	[illegible]	[illegible]7
[illegible] / 51	.1	1.3	4.2	2.2	.[illegible]	.6	.1											[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 49		1.4	2.6	1.5	.7	.3												[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 47		.4	.9	.5	.4	.1												[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 45		.1	.4	1.1	.4													[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 43			.3	.6	.3													[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 41		.1		.1														[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 39			.1	.2	.1													[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 37					.1													1	1	[illegible]	1
[illegible] / 35																				[illegible]	[illegible]
[illegible] / 33																					[illegible]
[illegible] / 31																					[illegible]
[illegible] / 29																				[illegible]	
[illegible] / 27																					[illegible]
[illegible] / 25																					[illegible]
[illegible] / 23																					[illegible]
[illegible] / 21																					[illegible]
[illegible] / 19																					1
TOTAL	[illegible].4	32.7	37.9	17.2	6.4	2.4	.6	.1										1365	[illegible]5	1365	[illegible]9

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]794875	139305	78.4	12.[illegible]53	1395							
Dry Bulb	4483[illegible]7	78721	56.4	5.214	1395			1.[illegible]				93
Wet Bulb	3949571	73739	52.9	6.[illegible]94	1395		.1	.1				93
Dew Point	3513006	69050	49.5	8.236	1395		4.7					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 41 6 — DHAHRAN SAUDI ARABIA — 41-60 — YEARS — JAN — MONTH

DAILY — 0300-0500 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
/ 67		•1	•2	•3														0	0			
66/ 65	•1	1•4	•6	•4														13	53	16		7
64/ 63	•2	3•7	1•8	•4	•1													50	49	37		13
62/ 61	•4	3•4	2•3	•4	•2	•1	•1											85	101	2		56
/ 59	•6	5•9	2•9	•7	•4	•1	•1											112	152	92		75
58/ 57	•9	5•2	3•2	1•4	1•3	•4												169	165	134		107
56/ 55	1•	5•3	5•9	2•7	•8													219	219	177		117
54/ 53	•4	4•3	6•1	3•2	•5	•2												214	213	146		117
52/ 51	•1	2•5	3•6	2•1	•6	•3	•1											119	129	176		115
50/ 49	•1	2•6	3•4	2•7	1•1	•5	•1											145	145	145		139
48/ 47	•1	1•3	1•1	1•1	•5	•2												69	69	127		115
46/ 45		•5	•4	1•4	•4	•1												48	49	130		139
44/ 43		•1	•3	•5	•3	•1												21	21	53		117
42/ 41		•1		•2	•4													11	11	45		73
40/ 39		•1	•1	•3														5	5	34		91
38/ 37			•1	•2	•2													7	7	16		43
/ 35																				11		32
34/ 33																				14		29
/ 31																						8
/ 29																				3		18
/ 27																						13
/ 25																						4
24/ 23																						7
/ 21																						1
/ 19																						-
18/ 17																						1
16/ 15																						-
TOTAL	3•1	36•5	31•7	18•9	6•7	1•9	•4											1395		1395		1395
																		1395		1395		

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	891942	109358	78.4	13.564	1395							
Dry Bulb	4205535	76763	55.0	5.456	1395			•5				53
Wet Bulb	3775960	72014	51.6	6.466	1395		•3					93
Dew Point	3357066	67318	48.3	8.923	1395		•3					93

USAFETAC FORM AM 64 0 26 5 (OL A) 81-140 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 416 — DHAHRAN SAUDI ARABIA — 47-67 YEARS — JAN MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 65				.1														1	1		
/ 60		.4	.4	.1						.1								12	12	1	
/ 55	.1	1.7	.8	.8		.3	.1											17		17	
/ 50	.1	2.0	1.2	.7	.1	.2	.1											77	77	34	18
/ 45	.4	3.1	2.3	.8	1.1	.4	.1	.2										111	111	52	24
/ 40	.2	4.0	3.1	1.0	.6	.3	.1											144	144	4	21
/ 35	.2	5.7	3.6	2.3	.9	.2	.1											181	181	11	9
/ 30	.6	3.6	4.9	3.2	.9	.4	.1											101	101	142	167
/ 25	.6	2.6	5.4	2.6	1.1	.2			.1									178	178	150	98
/ 21	.4	1.9	3.4	3.1	.3	.1												137	137	144	1
/ 15		1.2	3.4	2.7	1.1	.6	.1											177	136	177	125
/ 10		1.1	1.9	1.6	.2	.1	.1											90	69	172	134
/ 05		.5	1.1	1.1	.2	.1												60	45	170	118
/ 00		.1	.4	.5	.1	.1												12	12	71	94
/ -5			.1	.2	.2													15	17	55	104
/ -10		.1		.4	.2													9	8	39	7
/ -15				.1	.1													2	2	22	61
/ -20				.1														1	1	13	42
/ -25																				1	24
/ -30																				1	27
/ -35																				1	22
/ -40																					12
/ -45																					7
/ -50																					6
/ -55																					7
/ -60																					3
/ -65																					3
/ -70																					2
/ -75																					1
TOTAL	3.4	2.3	1.8	2.7	2.4	3.2	.9	.2	.1	.1								1398			1398
																		1398		1395	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total
Rel. Hum.	1335454	106894	75.9	14.248	1408							
Dry Bulb	4293892	77075	55.1	16.641	1398			.9				93
Wet Bulb	3724713	71883	51.2	16.520	1398		.7	.1				93
Dew Point	3237541	66539	47.3	16.705	1395		6.1					93

USAFETAC FORM 0-26-5 (OL-A) 7-64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...RAL CLIMATOLOGY BRANCH
USAFETAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

...236 — DHAHRAN SAUDI ARABIA — 57-62 — JAN

STATION — STATION NAME — YEARS — MONTH

PART I — 2000-1100

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
../ ..														.1				1	1		
../ 81												.1						1	1		
../ 79													.1					1	1		
79/ 77							.1			.1								4	4		
78/ 75						.1			.1		.1	.1						3	3		
76/ 73				.1	.1	.4	.1	.1	.1	.1		.1						13	13		
74/ 71			.1	.1	.3	1.2	1.1	.7	.2	.1								17	17		
72/ 69		.1	.1	1.7	2.3	2.1	1.0	.7	.4	.1								13	13	5	
70/ 67		.2	2.1	2.1	2.6	2.7	1.4	.7	.2		.1							19	19	3	3
68/ 65		.9	1.2	2.4	3.5	3.3	1.3	.5	.2	.2								20	20	47	7
66/ 63	.2	.7	1.3	2.3	2.6	3.6	.9	.4	.1	.1	.1							19	19	101	39
64/ 61		.7	1.4	3.3	2.1	2.2	1.1	.2	.3									15	15	116	94
62/ 59	.1	.9	1.2	2.6	2.6	2.1	1.0	.1	.1	.1								17	17	174	81
60/ 57	.2	.7	.4	1.9	2.3	.9	.2	.1	.2									12	12	216	96
58/ 55	.1	.3	.5	1.7	1.4	.3	.4		.1									7	7	195	162
56/ 53	.1	.2	.2	1.3	1.1	.5	.2	.1										5	5	147	144
54/ 51			.2	.2	.1	.5		.1										1	1	126	117
52/ 49		.1	.1	.1	.2	.2												1	1	111	135
50/ 47				.1	.2	.1	.1											7	7	71	142
48/ 45				.1		.1	.1											3	3	53	155
46/ 43						.1												1	1	27	162
44/ 41																				14	95
42/ 39																				9	57
40/ 37																					24
38/ 35																				4	34
36/ 33																					6
34/ 31																					1
32/ 29																					2
30/ 27																					1
28/ 25																					
26/ 23																					
24/ 21																					
22/ 19																					1
20/ 17																					1

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION [illegible] STATION NAME [illegible] YEARS [illegible] MONTH

[illegible] HOURS [illegible]

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 15																					
34/ 13																					
17/ 11																					
TOTAL	.6	4.8	10.4	20.4	25.6	20.6	9.4	4.4	3.2	.8	.4	.2	.0	.0	.2	.2	.0	1488	1488	1488	1488

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5765259	90044	60.515	15.926	1483							
Dry Bulb	5971572	83901	83.1	5.564	1488			27.1	2.4	.1		93
Wet Bulb	4618347	82372	55.4	5.707	1488			.8				93
Dew Point	3605632	72080	48.4	8.756	1488		4.4	.2				93

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

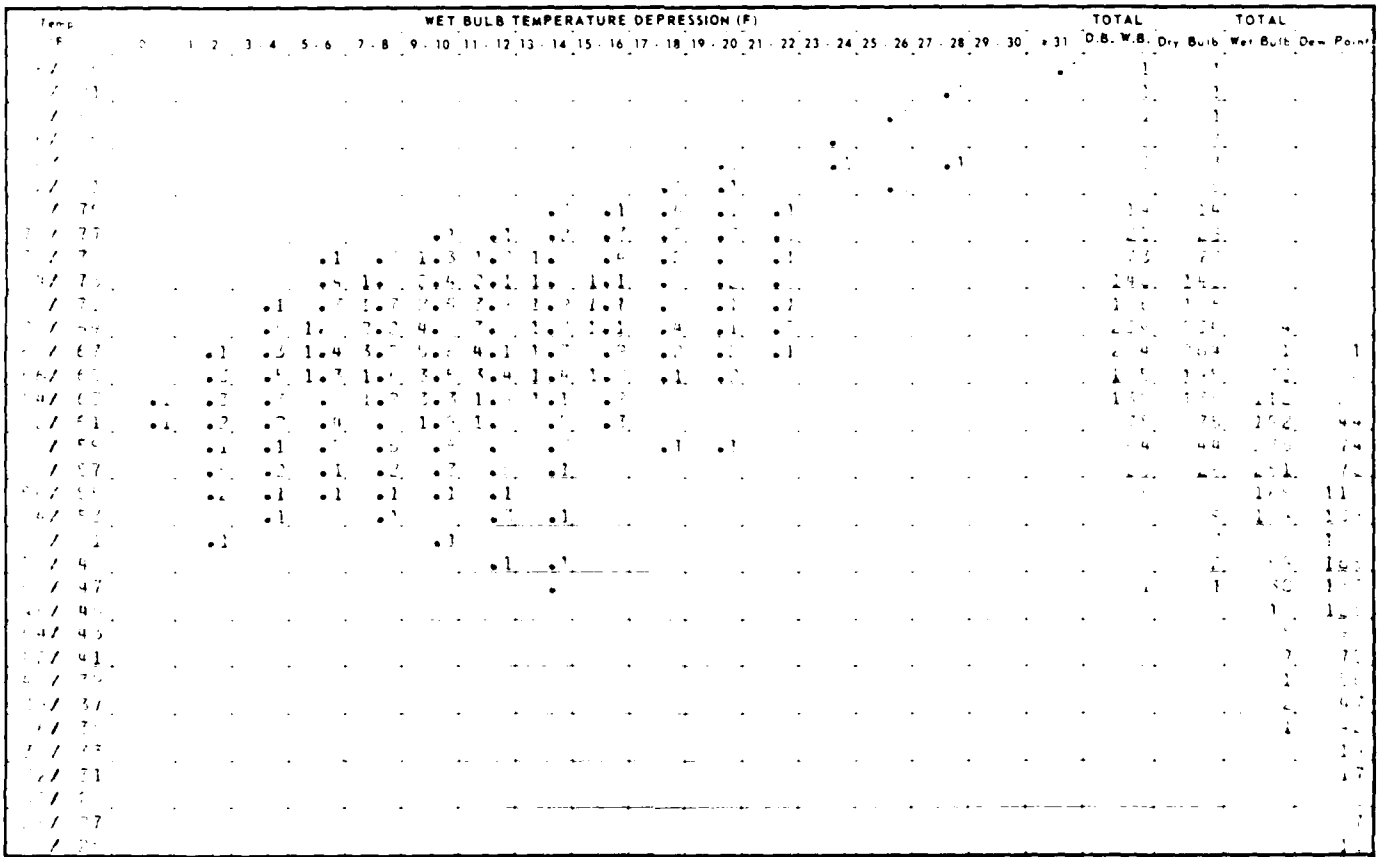
2

...L CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

...ANGAN AB, REPUBLIC OF KOREA — ...-57 — YEARS — MONTH

HOURS (L.S.T.)



Element (X)	Σ_X^2	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥31	DB, WB

Element X	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

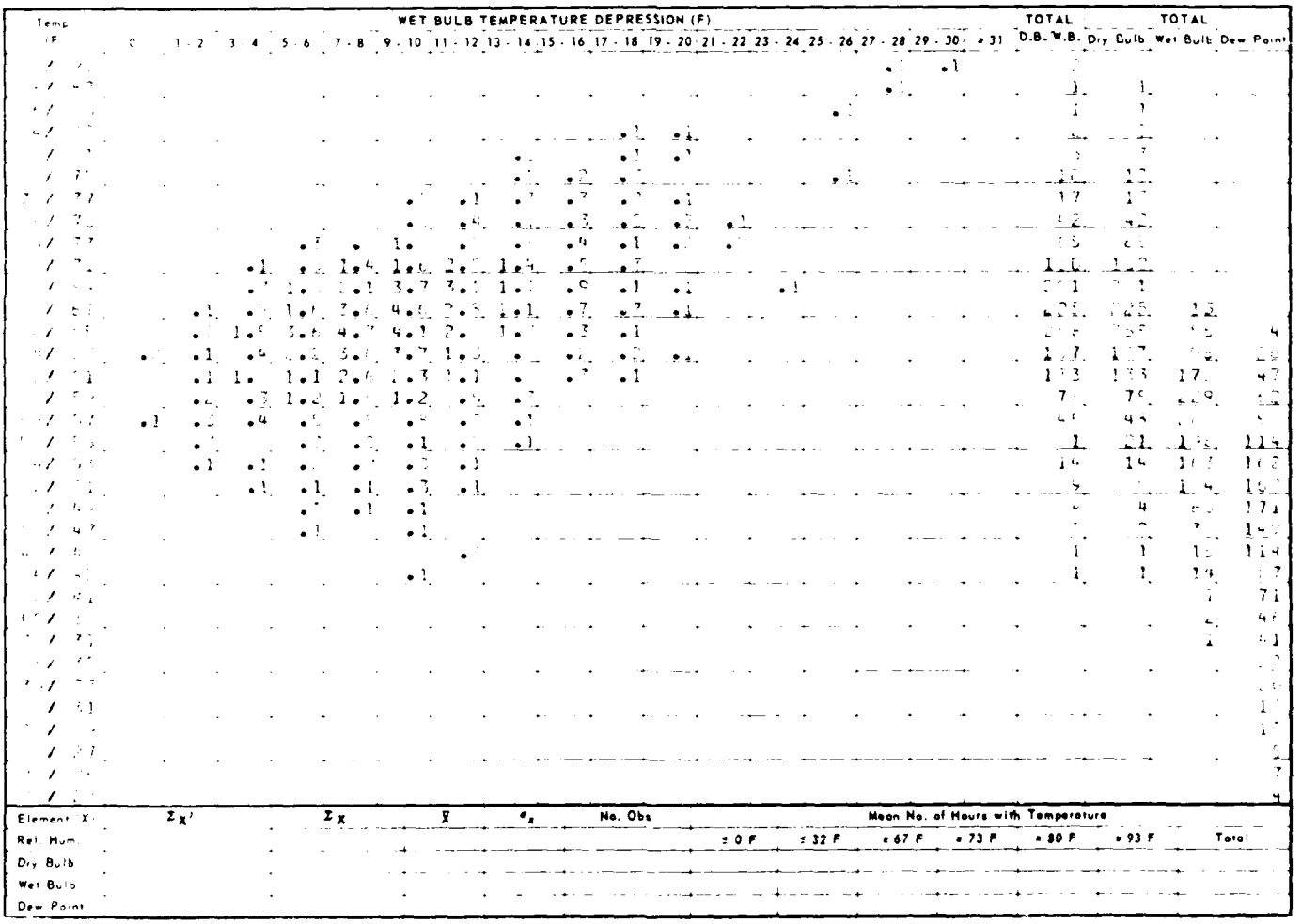
USAFETAC FORM 0-26-5 (OL-A)

2

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ 47-65 YEARS _____ MONTH

_____ HOURS (L.S.T.)



Element X	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) JUL 64

2

...AL CLIMATOLOGY BRANCH
...ATIC
...EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

...16	DHAHRAN, SAUDI ARABIA	47-62	JAN
STATION	STATION NAME	YEARS	MONTH

MAR | 1[illegible]-17[illegible]
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
../ 51																					1
1 / 17																					4
1../ 1																					
TOTAL	.3	1.4	5.2	13.1	21.7	25.0	21.5	9.8	2.4	.4	.1	.0	.1	.1	.1	.1	.1	1455	1455	1455	1455
																		1455	1455		

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4761477	-0434	55.41	4.192	1455							
Dry Bulb	5432466	96416	66.3	5.538	1455			44.7	9.1	1.7		97
Wet Bulb	4745136	82712	56.8	4.625	1455			.3				97
Dew Point	3578964	71134	48.9	7.932	1455		.7					93

USAFETAC FORM 0-26-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 47-62 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 1200-2200
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 81												•1						1			
/ 79												•1						1	1		
78/ 77						•1		•1										2	2		
76/ 75					•1	•2	•1	•1										7	7		
74/ 73				•1	•2	•1	•1	•1										14	14		
72/ 71			1•1	•2	1•4	•5	•3	•1		•1								26	26		
70/ 69		•1	1•5	1•7	1•1	•4	•5		•1	•1								46	46	2	1
68/ 67	•1	•9	3•2	3•7	2•3	•9	•7	•1										142	142	7	7
66/ 65	•2	2•6	3•9	5•6	2•1	•7	•1	•2										226	226	74	33
64/ 63	•1	1•7	3•3	5•7	3•1	•9	•2	•1										244	244	129	71
62/ 61	•1	1•9	5•7	6•6	1•6	•6	•4	•1										276	276	207	142
60/ 59		1•5	3•4	3•6	2•6	•7	•4											142	142	241	184
58/ 57		•6	2•3	2•2	1•5	•3		•1										111	111	264	172
56/ 55		•3	•5	1•3	•7	•3												49	49	175	200
54/ 53			•1	•4	•5	•1	•1											12	12	119	134
52/ 51		•1	•5	•4	•5													15	15	91	106
50/ 49			•1	•3	•3													12	12	55	116
48/ 47			•1		•1													3	3	41	72
46/ 45				•1	•1													3	3	15	55
44/ 43					•1													2	2	17	67
42/ 41																				5	24
40/ 39																				1	27
38/ 37																				2	11
36/ 35																				1	19
34/ 33																					9
32/ 31																					2
30/ 29																					4
28/ 27																					1
26/ 25																					1
24/ 23																					6
22/ 21																					1
TOTAL	•2	9•6	27•0	32•7	17•3	6•3	3•5	1•1	•1	•1		•2						1405		1405	1405

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7641504	1142	71.61	.557	1405							
Dry Bulb	5573704	82693	61.1	4.427	1405			10.0	•2	•2		93
Wet Bulb	4343604	62693	55.7	5.152	1405			•3				93
Dew Point	3450727	75845	51.1	7.207	1405		1.4	•1				93

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CL[illegible]AL CLIMATOLOGY BRANCH
USAFETAC
AI[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

A [illegible] | [illegible] | 47-[illegible] | [illegible]
STATION | STATION NAME | YEARS | MONTH

FAC [illegible] | 21[illegible]-2[illegible]
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
7 / 77											.1							1	1		
[illegible] / 7[illegible]									.1									1	1		
[illegible] / 7[illegible]								.1										1	1		
[illegible] / 71						.1												1	1		
[illegible] / 69		.1	.[illegible]	.[illegible]	.[illegible]	.1	.1											17	17		
[illegible] / 67		.3	1.4	.[illegible]	.[illegible]	.3												[illegible]	[illegible]	3	.
[illegible] / 65		1.6	3.[illegible]	1.6	.4	.1		.1										[illegible]	[illegible]	15	3
[illegible] / 63	.[illegible]	2.4	2.[illegible]	2.[illegible]	.[illegible]	.3	.[illegible]	.1	.1									1[illegible]	1[illegible]	[illegible]7	[illegible]6
[illegible] / 61	.3	5.0	5.[illegible]	[illegible].[illegible]	.[illegible]	.[illegible]	.[illegible]											1[illegible]	1[illegible]	1[illegible]7	61
[illegible] / 59	.3	4.[illegible]	7.2	5.[illegible]	1.4	.1		.1										276	276	1[illegible]	1[illegible]
[illegible] / 57	.[illegible]	3.0	7.4	3.0	1.[illegible]	.3		.1										24[illegible]	24[illegible]	2[illegible]4	125
[illegible] / 55		2.8	4.3	3.4	1.1	.4												174	174	[illegible]11	156
[illegible] / 53	.1	1.4	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	.4												12[illegible]	12[illegible]	21[illegible]	167
[illegible] / 51		.6	[illegible].3	1.[illegible]	.[illegible]	.1	.1											75	75	1[illegible]2	172
[illegible] / 49		.3	.[illegible]	.[illegible]	.[illegible]													[illegible]3	[illegible]3	1[illegible]	159
[illegible] / 47		.1	.4	.[illegible]	.[illegible]	.1												[illegible]0	[illegible]0	[illegible]4	116
[illegible] / 45			.[illegible]	.[illegible]	.[illegible]													17	1[illegible]	53	67
[illegible]4 / 43			.[illegible]															[illegible]	3	[illegible]1	22
[illegible] / 41			.[illegible]	.[illegible]														[illegible]	[illegible]	1[illegible]	[illegible]5
[illegible] / 39			.1	.1	.1													4	4	14	5[illegible]
[illegible] / 37																				[illegible]	[illegible]
[illegible] / 35																				[illegible]	2[illegible]
[illegible] / 33																				[illegible]	[illegible]4
[illegible] / 31																					[illegible]
[illegible] / 29																					[illegible]
[illegible] / 27																					[illegible]
[illegible] / 25																					[illegible]
[illegible] / 23																					[illegible]
[illegible] / 21																					[illegible]
[illegible] / 19																					1
[illegible] / 17																					1
TOTAL	1.[illegible]2	[illegible].[illegible]	.1[illegible]	.[illegible]7	5.[illegible]	2.3	.[illegible]	.4	.1		.1								14[illegible]		14[illegible]
																		14[illegible]4		14[illegible]4	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]623[illegible]	1[illegible]06[illegible]	76.1	12.[illegible]6	1454							
Dry Bulb	[illegible]12[illegible]	[illegible]5[illegible]6[illegible]	55.[illegible]	[illegible].941	1454			[illegible].[illegible]	.[illegible]			[illegible].[illegible]
Wet Bulb	4344[illegible]1	[illegible]0[illegible]7[illegible]	54.4	[illegible].[illegible]1[illegible]	1454			[illegible].[illegible]				[illegible].[illegible]
Dew Point	[illegible]530431	73751	[illegible].7	7.400	1454		1.[illegible]	.1				93

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 41[illegible] [illegible]ANDAN [illegible]A[illegible] AFB, [illegible]A — STATION / STATION NAME

47-62 — YEARS

JA[illegible] — MONTH

PART I

ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																	•	1	1		
[illegible]															•	•		3	3		
[illegible]														•				1	1		
[illegible]															•			1	1		
[illegible]												•	•					4	4		
[illegible]										•	•	•	•	•	•			5	6		
[illegible]								•		•	•	•		•				11	11		
[illegible]								•	•	•	•	•	•	•				26	26		
78/ 77						•	•	•	•	•	•	•						47	47		
76/ 75					•	•	•	•	•	•	•	•						124	124		
74/ 73				•	•	•	•	•	•	•	•	•						252	252		
72/ 71			•	•	•	•	•	•	•	•	•	•						401	401		
70/ 69		•	•	•	1	1	1	1	•	•	•	•	•	•				652	652	7	
68/ 67		•	1	1	1	1	1	1	•	•	•	•	•					833	833	53	7
66/ 65	•	1	1	1	1	1	1	•	•	•	•	•						1056	1056	252	48
64/ 63	•	1	1	1	1	1	1	•	•	•	•	•						1119	1119	546	169
62/ 61	•	2	2	2	1	1	1	•	•	•	•							1193	1193	946	426
60/ 59	•	3	3	3	2	1	1	•	•	•	•	•						1329	1329	1313	645
58/ 57	•	3	2	2	2	1	1	•	•	•	•							1156	1156	1578	946
56/ 55	•	3	2	3	2	1	•	•	•	•	•							1035	1035	1509	1010
54/ 53	•	2	1	2	1	1	•	•	•	•								787	787	1356	1131
52/ 51	•	1	•	1	1	•	•	•	•									534	534	1140	1163
50/ 49	•	1	•	1	1	•	•	•	•									447	447	960	1191
48/ 47	•	1	•	•	•	•	•	•	•									213	213	651	1017
46/ 45			•	•	•	•	•	•										137	137	461	901
44/ 43			•	•	•	•	•											67	67	245	693
42/ 41			•	•	•	•												28	28	100	565
40/ 39			•	•	•	•												28	28	176	393
38/ 37				•	•	•												10	10	59	329
36/ 35					•	•												1	1	43	253
34/ 33																				9	179
32/ 31																				2	135
30/ 29																				5	124
28/ 27																					73

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Ref. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM AN 64 0 26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CL[illegible]AL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 41[illegible] DHAHRAN SAUDI ARABIA 47-62 JAN
STATION STATION NAME YEARS MONTH

DAY ALL
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 2[illegible]																					4[illegible]
[illegible] / 2[illegible]																					3[illegible]
[illegible] / 2[illegible]																					[illegible]
[illegible] / 1[illegible]																					[illegible]
[illegible] / 1[illegible]																					1[illegible]
[illegible] / 1[illegible]																					[illegible]
[illegible] / 1[illegible]																					[illegible]
[illegible] / [illegible]																					[illegible]
[illegible] / [illegible]																					1
/ [illegible]																					1
TOTAL	1.5	17.	23.	119.	71[illegible]	9[illegible]	11.[illegible]	6.[illegible]	[illegible]	1.[illegible]	.[illegible]	.4	.2	.1	.1	.[illegible]	.[illegible]	.[illegible]	11[illegible]26	11[illegible]26	11[illegible]26
																		11[illegible]26	11[illegible]26		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	56957492	7[illegible]5898	68.2	17.1[illegible]	11[illegible]26							
Dry Bulb	42834969	697917	63.[illegible]	7.[illegible]64	11[illegible]26			152.[illegible]	30.7	2.4	.1	744
Wet Bulb	34639632	627964	54.9	6.[illegible]84	11[illegible]26		.5	3.9				744
Dew Point	2858[illegible]3[illegible]	585[illegible]69	49.1	8.334	11526		31.6	.5				744

USAFETAC FORM 0-26-5 (OL-A) 84 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41616 DHAHRAN SAUDI ARABIA 40,49-52 FEB
STATION STATION NAME YEARS MONTH

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≥ / 71						.1	.1	.1										2	2		
70 / 69			.1	.2	.2	.1	.1											7	7		
68 / 67		.2	.5	.7	.6	.3		.1										32	32		
66 / 65	.5	1.9	2.4	2.4	.9	.4	.2											167	167	11	1
64 / 63	.2	3.1	3.7	1.9	.7	.7	.2	.1	.2									197	197	26	19
62 / 61	.4	4.8	4.1	2.4	.8	.4	.2	.2	.1									173	173	96	38
60 / 59	.7	6.2	3.9	3.4	.7	.5												179	179	152	92
58 / 57	.2	9.1	4.2	4.2	1.3	.2	.1											220	220	178	141
56 / 55	.1	7.6	4.1	2.7	.6	.2												146	146	153	166
54 / 53		1.8	2.4	2.4	1.0	.3	.2											134	134	144	142
52 / 51		1.3	3.2	1.2	.6	.2												73	73	144	111
50 / 49		.9	1.1	1.7	.8	.1												59	59	122	112
48 / 47		.3	.7	.7	.3	.1												27	27	78	116
46 / 45		.2	.5	.3	.2	.1												17	17	44	101
44 / 43			.1	.2														3	3	46	72
42 / 41		.1		.1	.2	.2												5	5	22	44
40 / 39				.1	.1													2	2	10	35
38 / 37																				5	26
36 / 35																				1	27
34 / 33																				1	17
32 / 31																				1	12
30 / 29																					6
28 / 27																					4
26 / 25																					2
24 / 23																					1
22 / 21																					1
20 / 19																					
18 / 17																					1
16 / 15																					1
TOTAL	1.9	29.6	31.9	24.5	8.3	3.3	1.0	.3	.2									1296	1296	1296	1296

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7663732	99450	76.7	17.394	1296							
Dry Bulb	4415364	75340	58.1	15.283	1296			2.7				4
Wet Bulb	3036149	73122	56.1	15.235	1296		.3					.4
Dew Point	3389233	65477	50.5	17.917	1296		2.3					4

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] 41[illegible] DHAHRAN SAUDI ARABIA 40,45-62 [illegible]
STATION STATION NAME YEARS MONTH

PAGE 1 [illegible]
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 69				.[illegible]		.1												[illegible]	[illegible]		
[illegible] / 67		.1	.[illegible]	.[illegible]		.[illegible]	.[illegible]											[illegible]	[illegible]		
67 / 65	.1	1.[illegible]	1.[illegible]	.[illegible]	1.[illegible]	.[illegible]												[illegible]	[illegible]	[illegible]	[illegible]
67 / 63	.[illegible]	3.2	2.[illegible]	[illegible]	.[illegible]	.[illegible]	.1											[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 61	.[illegible]	[illegible]	3.2	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]										144	144	70	33
[illegible] / 59	.[illegible]	[illegible]	4.[illegible]	1.[illegible]	1.1	.3	.[illegible]											[illegible]	134	151	[illegible]
[illegible] / 57	1.1	5.7	4.5	3.[illegible]	1.[illegible]	.[illegible]												[illegible]	[illegible]	172	119
[illegible] / 55	.4	4.[illegible]	3.[illegible]	2.6	1.[illegible]	.4												14[illegible]	145	146	14[illegible]
[illegible] / 53	.1	3.[illegible]	3.[illegible]	1.[illegible]	1.[illegible]		.[illegible]											[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 51	.[illegible]	2.[illegible]	3.2	1.[illegible]	.[illegible]	.2												[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 49	.1	1.2	2.[illegible]	1.4	.[illegible]	.[illegible]												[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 47		.[illegible]	1.1	1.[illegible]	.[illegible]	.[illegible]												[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 45			.[illegible]	.[illegible]	.[illegible]	.[illegible]												[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 43			.[illegible]	.2	.1	.1												[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 41			.1	.1	.[illegible]	.[illegible]												[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 39						.4	.1											[illegible]		[illegible]	[illegible]
[illegible] / 37				.1														1	1	[illegible]	[illegible]
[illegible] / 35																					[illegible]
[illegible] / 33																				[illegible]	[illegible]
[illegible] / 31																				[illegible]	[illegible]
[illegible] / 29																				[illegible]	[illegible]
[illegible] / 27																					[illegible]
[illegible] / 25																					[illegible]
[illegible] / 23																					[illegible]
[illegible] / 21																					[illegible]
[illegible] / 19																					[illegible]
[illegible] / 17																					[illegible]
[illegible] / 15																					[illegible]
[illegible] / 13																					[illegible]
[illegible] / 11																					[illegible]
[illegible]	5.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.9	1.[illegible]	.2										[illegible]	[illegible]	[illegible]	[illegible]
																		1298	1298		

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel Hum	[illegible]	[illegible]	77.[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	73623	56.7	[illegible]	1299			.[illegible]				[illegible]
Wet Bulb	[illegible]	[illegible]	52.[illegible]	6.150	1298		.[illegible]					[illegible]
Dew Point	[illegible]	64305	49.[illegible]	[illegible]	1298		3.4					[illegible]

USAFETAC FORM 0-26-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

416 — STATION — JIZAN SAUDI ARABIA — STATION NAME — 46-62 — YEARS — FEB — MONTH

PAGE 1 — HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
9/ 75									.1									1	1		
/ 71						.1			.1									..	..		
/ 69		.1	.1	.1	.1	.2	.1	.1		.1								1.	1.		
/ 67		.1	.5	.4	.1	.3	.1	.1										24	24	1	1
4/ 65	.3	1.4	2.2	1.5	.5	.5	.3	.1										4	4	1	9
4/ 63	.1	3.0	2.2	1.7	.7	.6	.1	.1										112	113	42	15
/ 61	.3	3.6	3.3	2.2	1.3	.7	.1	.3										1..	1.9	46	29
2/ 59	.7	4.2	3.1	2.2	1.3	1.2	..											177	177	122	..
/ 57	.7	4.4	3.6	3.7	1.9	.5	.1	.1										2.2	2.2	147	112
1/ 55	.4	2.1	3.4	2.0	2.2	.4	.1											165	165	144	124
4/ 53	.4	2.2	2.3	2.2	1.4	.4	.1											1.1	1.1	1.5	123
/ 51	.2	1.9	2.2	1.4	1.5	.2	.1											96	9..	144	111
/ 49	.1	1.2	1.4	1.5	.7	.4	.1											76	78	1.6	1.5
4/ 47		.4	.7	1.3	.5	.4												45	42	1.6	114
4/ 45		.3	.5	1.1	.2	.1												32	32	79	83
4/ 43		.1	.3	.2			.1											16	12	46	76
/ 41			.1		.1													2	2	40	59
/ 39			.1	.2	.1	.1												6	6	29	.1
/ 37				.1														3	2	11	28
/ 35																				2	24
0/ 33																				3	33
/ 31																				4	16
/ 29																				1	1.
/ 27																					7
/ 25																					1.
0/ 23																					5
2/ 21																					2
/ 19																					1
1/ 17																					1
1/ 15																					1
1/ 13																					1
TOTAL	.3	3.2	6.6	5.2	2.6	1.3	.6	.1	1.8	.0	.1	.1						1334	1334	1334	1334

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	7[illegible]2375	987.5	74.0	15.292	1334							
Dry Bulb	44[illegible]658	76319	57.2	9.661	1334			2.5	.1			84
Wet Bulb	3764992	70706	52.7	6.324	1334		.3	.1				84
Dew Point	3241633	64679	48.5	8.904	1334		3.7	.1				84

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | [illegible] STATION NAME | 46-67 YEARS | FEB MONTH

PAGE 1 | 0300-1100 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 87														.1				1	1		
[illegible] / 83														.1				1	1		
[illegible] / 82													.1					1	1		
[illegible] / 81										.1	.1	.1						4	4		
[illegible] / 79							.1		.1	.1	.1	.1	.1					7	7		
7 / 77							.1	.1	.4	.1		.1						11	11		
[illegible] / 75						.2	.3	.3	.7	.1	.1	.1						28	28		
[illegible] / 73					.1	.4	.7	.9	.8	.3	.1							55	55		
[illegible] / 71			.1	.3	1.0	.6	1.7	.6	.8	.7	.1							65	65		
[illegible] / 69		.1	.9	1.7	2.3	3.1	2.[illegible]	1.[illegible]	1.3	.4								184	184	1	
[illegible] / 67		.5	1.5	2.3	4.6	3.1	3.1	1.3	.5	.1								234	234	12	3
[illegible] / 65	.1	1.0	1.4	2.[illegible]	3.6	3.2	2.5	.[illegible]	.1	.2								210	210	47	19
[illegible] / 63		.3	1.2	2.3	3.[illegible]	2.[illegible]	1.7	.7	.6	.1								172	172	106	18
[illegible] / 61		.9	1.2	1.5	1.9	2.1	1.3	.[illegible]	.3									135	135	156	56
[illegible] / 59		.5	.8	1.[illegible]	1.5	1.5	.7	.[illegible]	.1									98	98	210	75
[illegible] / 57	.[illegible]	.2	.9	.4	1.5	.[illegible]	.4	.3										62	62	212	136
[illegible] / 55	.1	.[illegible]	.4	.1	.[illegible]	.4	.2	.1										32	32	156	94
[illegible] / 53			.1	.6	.2	.4	.[illegible]	.1										21	21	154	125
[illegible] / 51			.1	.1	.4	.1	.3											14	14	108	123
[illegible] / 49			.1	.1	.3	.1	.1											10	10	63	126
[illegible] / 47					.1													[illegible]	[illegible]	35	129
[illegible] / 45																		[illegible]	[illegible]	28	117
[illegible] / 43					.1													[illegible]	[illegible]	14	88
[illegible] / 41				.1														1	1	13	96
[illegible] / [illegible]																				3	60
[illegible] / 37																				2	34
[illegible] / [illegible]																				1	37
35 / 33																					17
[illegible] / 31																					12
[illegible] / 29																					11
[illegible] / 27																					[illegible]
[illegible] / 25																					11
[illegible] / 23																					[illegible]
[illegible] / 21																					[illegible]

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[redacted] ANNAA SAUDI ARABIA [redacted] YEARS [redacted] MONTH

[redacted] HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb Dew Point
/ 1																				1
1 / 1[illegible]																				
TOTAL	.4	3.4	5.7	12.7	22.4	18.4	16.1	[illegible]	5.4	1.4	.4	.4	.1	.1				1374.	[illegible]	1374.

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4770263	78348	56.9[illegible]	[illegible]	1374							
Dry Bulb	[illegible]	89436	65.[illegible]	[illegible]	1374			[illegible]	[illegible]	[illegible]		[illegible]
Wet Bulb	9427167	77647	56.5	[illegible]	1374			[illegible]				[illegible]
Dew Point	3366734	67816	49.[illegible]	[illegible]	1374		[illegible]	[illegible]				[illegible]

USAFETAC FORM 0-26-5 (OL-A) 80-64 REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CE[illegible]AL CLIMATOLOGY BRANCH
[illegible]TAC
AI[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 416[illegible] DHAHRAN SAUDI ARABIA 46-67
STATION   STATION NAME   YEARS   MONTH

[illegible] 1[illegible]-1[illegible]
HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ [illegible]															.[illegible]	.1		[illegible]	[illegible]		
/ [illegible]													.[illegible]	.1				[illegible]	[illegible]		
/ [illegible]7											.[illegible]	.1						[illegible]	[illegible]		
/ [illegible]											.[illegible]							[illegible]	[illegible]		
/ [illegible]										.1	.[illegible]	.[illegible]	.1					[illegible]			
/ [illegible]							.1	.1	.4	.[illegible]	.4	.1	.1	.[illegible]				[illegible]	[illegible]		
/ 7[illegible]							.3	.3	.4	.3	.[illegible]	.1	.1	.1				[illegible]1	[illegible]		
/ 77						.3	.[illegible]	1.6	1.4	1.2	.7	.[illegible]	.4					[illegible]	[illegible]		
/ 7[illegible]				.1	.[illegible]	.[illegible]	1.2	1.[illegible]	1.[illegible]	2.1	.[illegible]	.1						11[illegible]	11[illegible]		
/ 7[illegible]				.3	.	1.1	2.1	1.	2.7	1.[illegible]	.[illegible]	.1						1[illegible]4	1[illegible]4		
/ 7[illegible]			.	.4	1.[illegible]	2.[illegible]	4.[illegible]	[illegible]	1.4	.[illegible]	.[illegible]	.1						[illegible]	[illegible]1[illegible]		
/ [illegible]		.1	.7	.[illegible]	1.[illegible]	1.[illegible]	6.[illegible]	3.[illegible]	1.[illegible]	.1	.[illegible]							[illegible]4	[illegible]44	[illegible]	
/ 67			.[illegible]	.[illegible]	1.[illegible]	[illegible]	4.1	[illegible]	.[illegible]	.[illegible]	.							1[illegible]	1[illegible]	[illegible]	[illegible]
/ 6[illegible]		.1	.4	.3	.7	[illegible]	3.1	1.1	.[illegible]	.1								1 1	1[illegible]1	.	[illegible]1
/ [illegible]5		.[illegible]	.1	.4	.[illegible]	1.[illegible]	1.1	[illegible].1	.4	.4								77	77	11[illegible]	[illegible]7
/ [illegible]		.6	.[illegible]	.4	1.1	.4	.[illegible]	.7	.	.1								[illegible]3	[illegible]4	1[illegible]3	[illegible]
/ 5[illegible]		.3	.1	.1	.7	.[illegible]	.3	.1	.1									[illegible]	[illegible]	2[illegible]7	[illegible]
/ 57	.1	.3			.1	.2	.1	.[illegible]										1[illegible]	13	[illegible]	[illegible]
/ 5[illegible]						.[illegible]	.1	.1										7	7	1[illegible]	[illegible]
/ [illegible]						.[illegible]	.1												[illegible]	1[illegible]2	11[illegible]
/ 51							.1	.1										[illegible]	[illegible]	[illegible]	1[illegible]
/ [illegible]																				[illegible]7	1[illegible]3
/ 47																				[illegible]	1[illegible]
/ 4[illegible]																				[illegible]	1[illegible]
/ 4[illegible]																				7	11[illegible]
/ 41																				[illegible]	[illegible]
/ [illegible]																				[illegible]	[illegible]1
/ [illegible]																				.	[illegible]
/ 3[illegible]																					
/ [illegible]3																					[illegible]
/ 31																					[illegible]
/ [illegible]																					[illegible]
/ 27																					
/ 2[illegible]																					1[illegible]

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION [illegible] STATION NAME [illegible] SAUDI ARABIA [illegible] YEARS [illegible] MONTH [illegible]

HOURS (L.S.T.) [illegible]

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																						
TOTAL	.1	1.	2.7	3.	7.	1[illegible]	12.	1[illegible]	11.	[illegible]	[illegible]	1.	[illegible]	.	.	.						1[illegible]

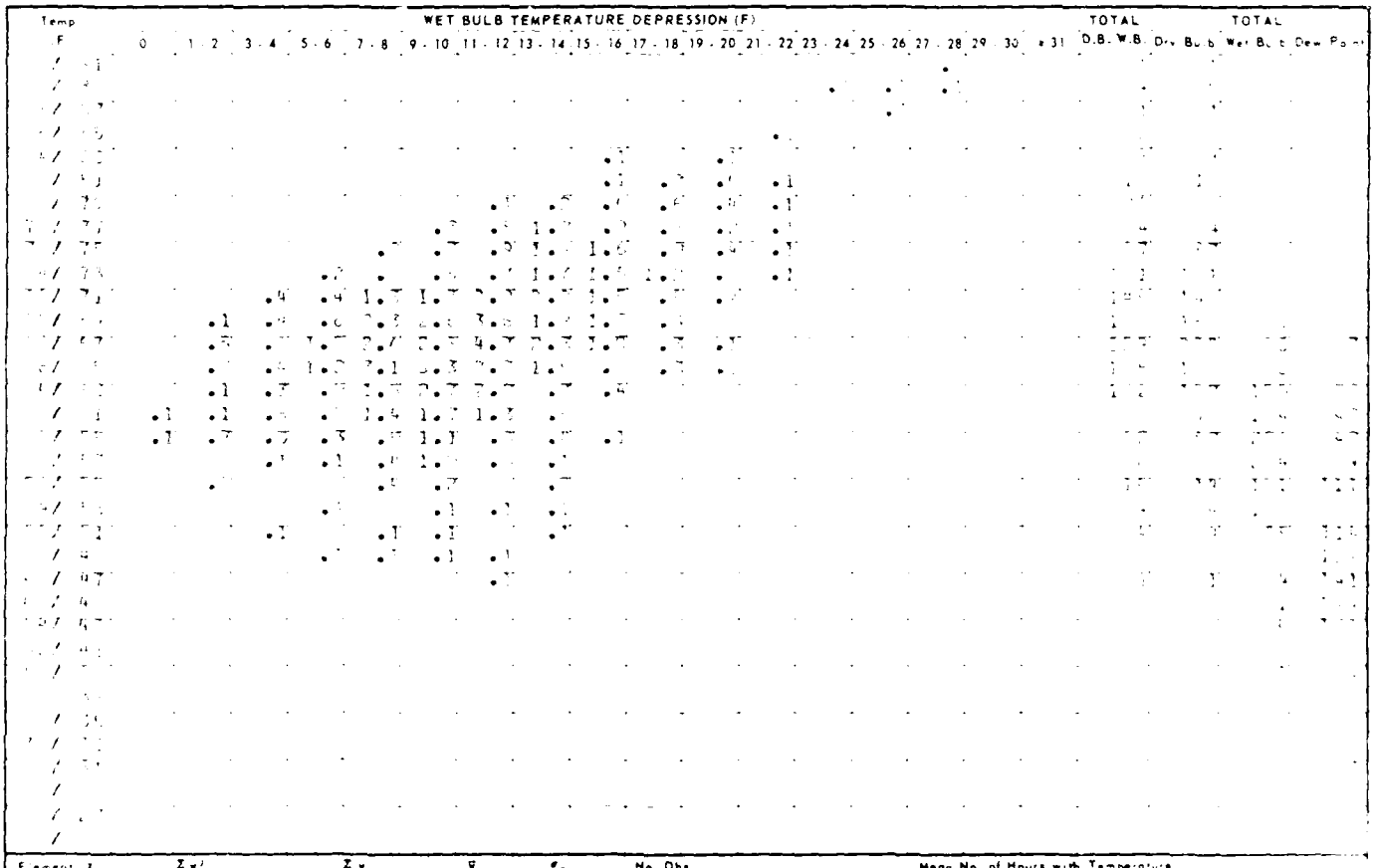
Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	[illegible]	[illegible]	46.4	14.7[illegible]	[illegible]							
Dry Bulb	[illegible]34[illegible]	[illegible]	7[illegible].1	[illegible].47[illegible]	14[illegible]			[illegible].1	[illegible].1	[illegible]		4
Wet Bulb	4716573	[illegible]567	57.[illegible]	4.756	[illegible]			[illegible]				4
Dew Point	3[illegible]1[illegible]	[illegible]66 1	47.[illegible]	[illegible].74	1[illegible]		3.7	.[illegible]				4

USAFETAC FORM JUL 64 0-26-5 (OL A)

2

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH | HOURS

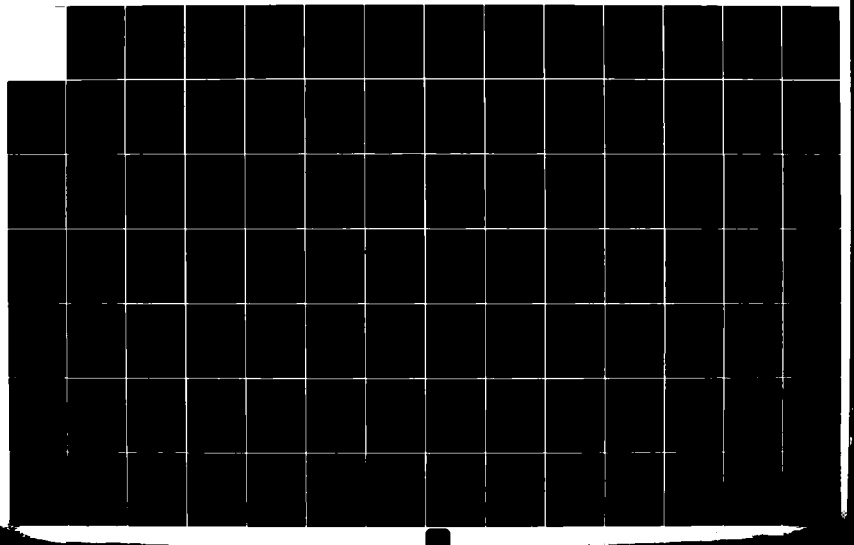


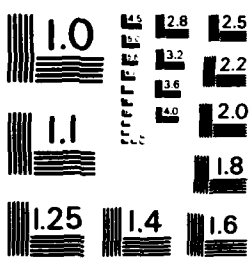
Element	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F
Rel. Hum.										
Dry Bulb										
Wet Bulb										
Dew Point										

USAFETAC

AD-A137 580 DHAHRAN SAUDI ARABIA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATI..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 01 DEC 83 4/5

UNCLASSIFIED USAFETAC/DS-83/050 SBI-AD-E850 503 F/G 4/2 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41668 STATION | DHAHRAN SAUDI ARABIA STATION NAME | 46-62 YEARS | FEB MONTH

PAGE 2 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31			Dry Bulb	Wet Bulb	Dew Point
24/ 23																						3
22/ 21																						4
20/ 19																						1
18/ 17																						1
16/ 15																						1
TOTAL	.1	2.5	3.3	6.3	15.1	19.1	20.5	14.4	9.8	5.5	2.4	.(	.1	.2	.1				1374		1374	
																			1374		1374	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3817655	69469	50.6	14.912	1374							
Dry Bulb	6429309	93653	68.2	5.778	1374			52.2	17.8	2.0		84
Wet Bulb	4539900	78680	57.3	5.006	1374			2.1				84
Dew Point	3263163	66030	48.1	8.095	1374		2.9	.9				84

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

40416C — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-62 — YEARS
FEB — MONTH

1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
84/ 83												.1						1	1		
80/ 79									.1	.1	.1							3	3		
78/ 77									.1	.1								2	2		
76/ 75						.2	.4	.1	.2			.1						15	15		
74/ 73						.4	.7	.7										18	18		
72/ 71			.1	.5	.6	.8	.4	.1		.1								37	37		
70/ 69		.4	1.4	1.5	1.1	1.4	.3	.1	.1	.1								90	90		
68/ 67		.7	2.4	2.1	1.8	.5	.6	.2		.1								118	119	12	5
66/ 65		1.6	3.1	4.9	3.1	2.1	.6	.3										218	218	51	12
64/ 63		2.1	4.1	5.9	3.3	1.7	.4	.3	.1									250	250	106	41
62/ 61		1.3	3.2	4.7	2.5	1.6	.4	.2										191	191	164	74
60/ 59	.3	1.3	3.3	4.1	3.9	1.6	.4											209	209	212	100
58/ 57		.6	1.1	2.2	2.4	.4	.3	.1										100	100	205	138
56/ 55		.4	.6	2.2	1.4	.6	.2											77	77	184	168
54/ 53			.1	1.0	.6	.7	.1											35	35	153	146
52/ 51			.4	.2	.6	.1												18	18	116	133
50/ 49			.1	.2		.3												8	8	91	131
48/ 47				.1	.1	.1												4	4	42	96
46/ 45				.1		.3												5	5	34	96
44/ 43																				12	80
42/ 41																				6	55
40/ 39																				5	40
38/ 37																				1	23
36/ 35																				3	17
34/ 33																					20
32/ 31																					9
30/ 29																					7
28/ 27																					3
26/ 25																					1
24/ 23																					1
22/ 21																					2
20/ 19																					1
TOTAL	.3	8.0	19.9	29.7	21.6	12.9	4.8	1.7	.5	.4	.1	.1						1399	1400	1399	1399

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	6598678	94168	67.3	13.641	1399							
Dry Bulb	5547535	87843	62.7	5.060	1400			17.1	2.3	.2		84
Wet Bulb	4503240	79022	56.5	5.330	1399			.7				84
Dew Point	3756527	71707	51.3	7.622	1399		1.9	.3				84

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41160 STATION | DHAHRAN SAUDI ARABIA STATION NAME | 46-62 YEARS | FEB MONTH

 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
76/ 75								.2										2	2		
74/ 73					.2	.1		.2										6	6		
72/ 71				.1		.2	.5											10	10		
70/ 69		.2	.3	.5	.8	.5	.3											34	34		
68/ 67		.7	1.4	1.4	1.3	.4	.2		.1	.1								71	71	6	3
66/ 65	.2	2.7	2.9	2.3	1.7	.5	.2	.2	.1									141	141	27	13
64/ 63	.2	3.7	4.4	2.6	1.1	1.1	.2	.2										181	181	71	35
62/ 61	.1	3.3	5.8	3.4	1.6	.5	.2	.2										199	199	150	67
60/ 59	.3	3.2	6.5	3.8	1.6	.5												211	211	165	106
58/ 57	.1	2.6	4.1	3.9	2.3	.8												163	163	252	120
56/ 55	.1	2.2	2.6	2.6	1.4	.2	.1											122	122	196	179
54/ 53		.4	1.4	2.4	.9	.3												71	71	148	148
52/ 51		.4	1.1	1.3	1.1	.2												53	53	126	134
50/ 49		.2	.4	1.1	.2	.1												25	25	103	110
48/ 47			.2	.4	.2													12	12	61	85
46/ 45					.2	.2												5	5	36	103
44/ 43				.1	.1	.1												3	3	30	59
42/ 41						.1												1	1	7	48
40/ 39																				3	38
38/ 37																				4	33
36/ 35																				3	16
34/ 33																				2	10
32/ 31																					6
30/ 29																					9
28/ 27																					2
24/ 23																					1
20/ 19																					3
18/ 17																					1
16/ 15																					1
TOTAL	1.0	19.4	31.1	25.8	14.4	5.6	1.5	.9	.2	.1									1330		1330
																		1330		1330	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7456671	97995	73.7	13.336	1330							
Dry Bulb	4851306	80044	60.2	5.057	1330			7.8	.5			84
Wet Bulb	4129406	73744	55.4	5.524	1330			.4				84
Dew Point	3586696	68326	51.4	7.589	1330		1.5	.2				84

USAFETAC FORM AM 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

40416 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-62 — YEARS
FEB — MONTH
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	.1 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	• 31		Dry Bulb	Wet Bulb	Dew Point
92/ 91															.0	.0		3	3		
90/ 89													.0	.0	.0			7	7		
88/ 87											.0	.0		.0				6	6		
86/ 85											.0	.0		.0				4	4		
84/ 83									.0	.0	.0	.0	.0					11	11		
82/ 81							.3	.0	.1	.1	.1	.0	.0	.0				40	40		
80/ 79							.1	.1	.1	.2	.2	.0	.0	.0				79	79		
78/ 77						.1	.2	.3	.4	.3	.1	.1	.0					152	152		
76/ 75				.0	.1	.2	.4	.5	.5	.4	.2	.1						245	245		
74/ 73				.1	.3	.4	.6	.6	.6	.4	.1	.0						339	339		
72/ 71			.2	.2	.6	.8	1.1	.9	.8	.3	.1	.0						509	509		
70/ 69		.1	.5	.7	1.1	1.4	1.6	1.0	.6	.1	.0							759	759	8	
68/ 67		.4	1.0	1.2	1.6	1.3	1.7	.9	.3	.1	.1							911	912	142	22
66/ 65	.1	1.4	1.7	1.9	1.8	1.6	1.3	.5	.2	.1	.0							1130	1130	296	80
64/ 63	.1	1.9	2.2	2.2	1.4	1.4	.7	.4	.2	.1								1150	1150	623	190
62/ 61	.1	2.4	2.7	2.1	1.4	1.0	.6	.4	.1	.0								1158	1159	1065	432
60/ 59	.4	2.6	2.8	2.1	1.4	.9	.4	.1	.0									1156	1156	1469	637
58/ 57	.3	2.3	2.2	2.2	1.5	.6	.2	.1										1010	1010	1630	864
56/ 55	.1	1.7	1.7	1.6	1.0	.3	.1	.1										714	714	1382	1050
54/ 53	.1	1.0	1.2	1.2	.7	.3	.1	.0										486	486	1226	993
52/ 51	.1	.6	1.2	.7	.6	.1	.1	.1										373	374	944	982
50/ 49	.0	.4	.8	.7	.4	.2	.0											270	270	751	979
48/ 47		.1	.3	.5	.2	.1	.0											146	146	516	916
46/ 45		.1	.2	.3	.1	.1												85	85	315	904
44/ 43		.0	.1	.1	.0	.0	.1											28	28	191	677
42/ 41		.1	.1	.0	.0	.0												16	16	146	571
40/ 39			.0	.0	.1	.0												14	14	74	414
38/ 37				.0														4	4	38	332
36/ 35																				12	225
34/ 33																				15	179
32/ 31																				10	106
30/ 29																				2	79
28/ 27																					43
26/ 25																					48

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible]6 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-62 (YEARS) FEB (MONTH)

PAGE [illegible] ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
24/ 23																				26
22/ 21																				25
20/ 19																				14
18/ 17																				4
16/ 15																				6
14/ 13																				2
12/ 11																				2
10/ 9																				1
TOTAL	1.3	15.0	18.8	17.8	14.2	10.8	9.1	5.8	3.5	2.1	1.0	.3	.1	.1	.0	.0		10805	10805	10805

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	49465716	703184	65.1	18.513	10805							
Dry Bulb	42727668	675030	62.5	7.247	10808			190.6	55.1	6.3		672
Wet Bulb	33600055	599225	55.5	5.838	10805		.7	6.8				672
Dew Point	27104301	533721	49.4	8.280	10805		22.3	1.4				672

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 48-62 (YEARS) MAR (MONTH)

 0000-0700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83										.1								1	1		
78/ 77					.1		.1	.1	.1									5	5		
76/ 75					.1	.3	.4	.1	.1	.1								14	14		
74/ 73				.1	.9	.8	.2	.1	.1		.1							33	33		
72/ 71		.3	.5	1.3	1.9	.9	.1	.2	.1	.1								74	74		
70/ 69		.5	2.1	3.2	2.1	.9	.2	.3	.2	.1								133	133	7	2
68/ 67	.1	1.6	3.4	2.2	3.1	.6	.4		.1	.1								162	162	22	10
66/ 65	.1	3.2	3.1	4.2	2.6	1.3	.4		.1									207	207	124	23
64/ 63		2.9	3.5	4.2	2.9	1.8	.2	.2	.1									208	208	184	93
62/ 61	.1	2.2	3.7	3.1	2.3	1.1	.1		.1									173	173	163	127
60/ 59		2.6	3.2	3.1	1.6	.8	.1	.1										162	162	207	152
58/ 57		1.9	2.7	1.7	.8	.4												105	105	191	150
56/ 55	.1	.8	.7	1.5	.7													53	53	170	186
54/ 53	.1	.4	1.1	.4	.6			.1										38	38	138	134
52/ 51		.1	.3	.1	.1													8	8	78	128
50/ 49		.1	.4	.3														12	12	62	95
48/ 47		.1	.1		.1													4	4	22	84
46/ 45		.1		.1														3	3	20	82
44/ 43																				5	49
42/ 41																				2	25
40/ 39																				2	24
38/ 37																					11
36/ 35																					9
34/ 33																					4
32/ 31																					1
30/ 29																					3
28/ 27																					2
24/ 23																					1
TOTAL	.4	16.8	24.9	25.4	13.7	9.0	2.3	1.2	.8	.4	.1							1395	1395		1395
																		1395		1395	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7509387	100585	72.1	13.573	1395							
Dry Bulb	5693259	88811	63.7	5.304	1395			28.1	3.5	.1		93
Wet Bulb	4772613	81281	58.3	5.131	1395			1.9				93
Dew Point	4142862	75410	54.1	6.902	1395		.5	.8				93

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

40416 0 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
49-62 — YEARS
MAR — MONTH

PAGE 1 — 0300-0560 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
78/ 77												.1	.1					2	3		
76/ 75				.1		.2		.1		.1								7	7		
74/ 73					.2	.2	.3		.1	.1								12	12		
72/ 71		.1	.3	1.1	1.4	.4	.4	.2	.1	.1								56	56		
70/ 69		.3	1.2	1.9	1.4	.6	.1	.1	.1									82	82	4	
68/ 67	.1	1.5	3.6	2.2	1.5	.9	.4	.1	.1									145	145	17	12
66/ 65	.1	5.1	3.5	3.2	1.5	.9	.4	.2	.2									212	212	66	19
64/ 63	.2	2.9	3.3	3.3	2.2	2.2	.1											200	200	202	81
62/ 61	.1	3.8	3.6	3.8	2.2	1.5	.4	.1										214	214	151	132
60/ 59	.4	2.5	2.9	3.2	1.9	1.1	.4	.1										177	177	194	134
58/ 57	.1	2.3	1.9	1.9	1.6	.4	.1											114	114	176	164
56/ 55	.1	1.1	1.3	1.3	.8	.3												67	67	181	142
54/ 53		.8	1.9	1.0	.4	.3												60	60	135	121
52/ 51		.1	.5	.4	.7													25	25	102	121
50/ 49			.5															7	7	82	102
48/ 47		.1	.4	.1														9	9	39	97
46/ 45				.3														4	4	28	80
44/ 43																				13	56
42/ 41																				1	48
40/ 39																				3	30
38/ 37																					24
36/ 35																					14
34/ 33																					12
32/ 31																					3
28/ 27																					2
TOTAL	1.0	20.6	24.9	23.8	15.9	9.0	2.7	1.0	.6	.2		.1	.1						1394		1394
																		1394		1394	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	7689914	101568	72.9	19.418	1394							
Dry Bulb	5485124	87144	62.5	5.184	1394			20.3	1.5			93
Wet Bulb	4628107	79975	57.4	5.350	1394			1.4				93
Dew Point	4020018	74146	53.2	7.398	1394		.3	.8				93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41160 STATION | DHAHRAN SAUDI ARABIA STATION NAME | 46-67 YEARS | MAR MONTH

PAGE 1 | 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
82/ 81									.1	.1									4	4		
80/ 79									.1		.1								2	2		
78/ 77					.1	.1	.3	.1				.1							11	11		
76/ 75					.1	.6	.1	.3	.3	.1	.1								23	23		
74/ 73				.5	.9	.7	.8	.4	.2	.1	.1								54	54		
72/ 71			.4	1.6	1.4	1.2	.5	.4	.3	.1									86	86		
70/ 69		.3	2.3	2.3	2.5	1.9	1.3	.3	.1	.1	.1								162	162	1	
68/ 67		1.0	2.9	3.2	1.5	1.5	.8	.°	.3	.1									177	177	30	3
66/ 65	.1	3.4	3.2	4.3	1.6	1.9	.7	.6	.1	.1									232	232	129	27
64/ 63	.1	2.4	2.2	3.0	1.9	2.1	1.1	.1											189	189	173	80
62/ 61	.1	3.4	2.1	2.3	2.2	1.3	.7	.2	.1										181	181	195	151
60/ 59	.3	1.9	1.7	1.9	1.5	1.0	.5	.1											129	129	215	168
58/ 57	.1	.9	.8	1.6	1.6	.5	.1												84	84	171	132
56/ 55		1.0	.3	.9	1.1	.3	.1												55	55	153	132
54/ 53		.7	.7	.5	.6	.3													41	41	138	135
52/ 51		.1	.3	.2	.4	.1	.1												16	16	106	118
50/ 49			.1	.2	.1	.1													7	7	65	98
48/ 47				.1	.1														2	2	43	92
46/ 45				.2															3	3	19	72
44/ 43																					13	69
42/ 41																					3	67
40/ 39																					4	33
38/ 37																						26
36/ 35																						21
34/ 33																						15
32/ 31																						6
30/ 29																						5
28/ 27																						4
26/ 25																						4
TOTAL	.7	15.0	16.9	23.0	17.6	13.6	7.1	3.5	1.6	.6	.3	.1								1458		1458
																			1458		1458	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7050408	98646	67.7	16.068	1458							
Dry Bulb	6089757	93877	64.4	5.573	1458			33.1	6.9	.4		93
Wet Bulb	4939405	84485	57.9	5.486	1458			2.0				93
Dew Point	4146698	76870	52.7	8.027	1458		1.2	.2				93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416 DHAHRAN SAUDI ARABIA 46-62 MAR
STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
98/ 97																	.1	1	1		
96/ 95																	.1	1	1		
94/ 93															.1			1	1		
92/ 91																.1		1	1		
90/ 89												.1	.1	.1	.1	.2		9	9		
88/ 87										.1	.3	.1	.2	.1				13	13		
86/ 85									.2	.3	.5	.3	.5	.3	.1	.2		35	35		
84/ 83								.1	.6	.3	.7	.5	.5	.3				47	47		
82/ 81							.2	.3	.6	.7	.7	.6	.2	.1	.1			57	57		
80/ 79						.5	.3	.9	1.0	.5	1.5	1.0	.6	.1				100	100		
78/ 77					.3	.6	1.6	1.7	2.0	1.5	.9	.5	.3					147	147		
76/ 75				.1	.9	2.3	2.2	2.1	1.7	1.3	.8	.4						181	181		
74/ 73				.7	1.7	2.8	1.3	2.6	2.7	1.2	.6	.2						211	211		
72/ 71			.5	1.2	2.8	1.7	3.0	1.2	1.7	.8	.7	.1						215	215	1	
70/ 69		.1	.8	2.1	1.6	2.3	2.3	2.1	.9	.5	.1	.1						199	199	35	
68/ 67		.3	.8	.8	1.7	1.2	1.1	1.2	.3	.1								118	118	92	
66/ 65	.1	.4	.7	.8	.7	1.2	1.9	.3		.2								99	99	187	31
64/ 63		.1	.1	.4	.5	1.0	1.0	.3	.1									54	54	236	58
62/ 61		.2	.2	.3	.3	.4	.3	.1										26	26	241	91
60/ 59		.1	.3	.1	.1	.5	.1											17	17	243	125
58/ 57		.1				.3		.2										9	9	235	134
56/ 55		.2	.1	.1			.1											8	8	147	118
54/ 53					.1	.1												2	2	91	126
52/ 51																				40	138
50/ 49																				23	116
48/ 47																				4	104
46/ 45																				3	125
44/ 43																				3	111
42/ 41																					74
40/ 39																					69
38/ 37																					42
36/ 35																					30
34/ 33																					24
32/ 31																					10

Element (X)	$\Sigma x'$	Σx_R	$\bar{X}$	σ_R	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

46416 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-62 — YEARS
MAR — MONTH

0900-1100 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
30 / 29																						12
28 / 27																						3
26 / 25																						6
24 / 23																						2
22 / 21																						1
18 / 17																						1
TOTAL	.1	1.5	3.5	6.6	10.1	14.8	15.8	13.9	11.9	7.4	6.5	3.7	2.3	1.1	.3	.5	.1		1551	1551	1551	1551

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3975913	74245	47.9	16.498	1551			80.1	48.2	13.1	.2	93
Dry Bulb	8323707	113221	73.0	6.155	1551			7.7				93
Wet Bulb	5688968	93662	60.4	4.607	1551							93
Dew Point	4062042	78288	50.5	8.439	1551		2.1					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 48-62 MAR
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
130/ 99																	.2	2	2		
128/ 97																	.2	3	3		
126/ 95																.1	.1	4	4		
124/ 93											.1	.1	.1	.1	.1	.1	.3	11	11		
122/ 91												.1	.3	.3	.4	.3	.1	22	22		
120/ 89										.1	.3	.2	.4	.6	.2	.2		32	32		
118/ 87										.3	.1	.6	.6	1.3	.6	.3	.2	63	63		
116/ 85								.2	.3	.8	.8	1.4	.9	.6	.3	.1		67	67		
114/ 83							.2	.7	.8	1.5	.8	1.1	1.1	.7	.3			107	107		
112/ 81							.4	.7	1.6	.6	2.1	1.3	.9	.6	.1			136	136		
110/ 79						.4	.9	1.4	1.0	2.3	2.5	1.9	.8	.2				178	178		
108/ 77					.8	1.3	1.1	1.3	2.9	1.5	1.8	1.5	.3					197	197		
106/ 75				.4	.7	1.1	2.1	3.0	2.2	2.2	1.5	.6	.1					222	222		
104/ 73				.2	.5	.6	1.2	2.5	2.3	1.1	.4	.4						146	146	1	
102/ 71			.1	.6	1.5	.6	1.7	1.4	1.8	.8	.3	.1						139	139	12	
100/ 69			.7	.4	.4	1.2	.9	1.7	1.0	.2	.3							136	106	61	
98/ 67		.1	.5	.1	.4	.4	.7	1.0	.3	.3								58	58	105	2
96/ 65		.1		.1	.4	.2	.9	.2	.1	.1								34	34	157	38
94/ 63		.1	.1		.1	.1	.4	.1	.1									13	13	219	57
92/ 61		.3		.1		.3	.1	.1	.1									14	14	253	63
90/ 59																				283	68
88/ 57		.1																2	2	210	86
86/ 55		.3																4	4	144	108
84/ 53																				60	143
82/ 51																				33	132
80/ 49																				9	140
78/ 47																				3	113
76/ 45																				1	123
74/ 43																					125
72/ 41																					116
70/ 39																					81
68/ 37																					74
66/ 35																					46
64/ 33																					37

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

47416 DHAHRAN SAUDI ARABIA 46-62 12
STATION STATION NAME YEARS MONTH

PAGE 1 1600-1400
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31								
[illegible] / 31																									
[illegible] / 24																									
[illegible] / 27																									1
[illegible] / 20																									1
[illegible] / 23																									1
[illegible] / 21																									1
17 / 17																									1
TOTAL	.9	1.4	1.9	4.9	5.9	10.6	13.9	14.2	12.1	11.1	9.3	5.4	4.7	2.5	.9	1.1						1581	1581	1581	1581

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2743855	61157	38.7	15.473	1581							
Dry Bulb	9523537	122263	77.3	6.590	1581			69.1	71.2	32.8	1.2	93
Wet Bulb	5929110	96558	61.1	4.495	1581			11.7	.1			93
Dew Point	3804366	76260	48.2	8.928	1581		3.9	.1				93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41 [illegible] — DHAHRAN SAUDI ARABIA — 48-62 — MAY

STATION — STATION NAME — YEARS — MONTH

PAGE 1 — 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 97															.1		.2	4	4		
[illegible] / 95															.1	.1	.2	6	6		
[illegible] / 93													.1		.1	.1	.1	4	4		
[illegible] / 91										.1	.1		.2	.2	.2		.1	12	12		
[illegible] / 89											.1	.2	.3	.4	.3	.1		20	20		
88 / 87									.1	.1	.2	.1	.3	.5	.3		.1	28	28		
[illegible] / 85								.1	.1	.5	.6	.5	1.2	.6				54	54		
84 / 83							.1	.2	.3	1.1	1.2	1.0	.5	.3	.1			70	70		
[illegible] / 81						.2	.2	.5	.9	.9	1.2	.9	.6	.1	.1			86	86		
[illegible] / 79					.1	.5	1.0	1.2	1.0	1.7	1.0	.8	.5	.2				122	122		
77 / 77					.8	1.2	1.3	1.4	1.8	1.4	1.3	.2	.2					149	149		
76 / 75				.4	1.4	1.7	2.0	2.6	2.5	2.1	1.1	.3						218	218		
74 / 73				1.1	1.2	1.4	2.1	2.1	1.5	1.3	.7							185	185	2	
[illegible] / 71			.4	.6	1.4	1.4	3.1	2.1	1.8	.6	.5	.1						161	181	12	
70 / 69			.6	.9	1.2	2.0	1.4	1.7	1.1	.2								146	146	46	
68 / 67		.3	.2	.3	1.3	1.5	1.6	1.2	.5	.1	.1							120	127	126	8
[illegible] / 65		.1	.2	.5	.7	1.0	.9	.5	.3	.1								66	68	159	52
64 / 63		.3	.1		.5	.5	.8	.1	.1									37	37	199	80
[illegible] / 61			.1	.2	.4	.3	.2	.1	.1									22	22	274	76
[illegible] / 59		.1	.1			.3	.1											8	8	259	76
[illegible] / 57		.2		.1		.1												6	6	195	61
56 / 55		.2																3	3	154	112
[illegible] / 53																				60	136
[illegible] / 51																				44	137
[illegible] / 49																				13	156
[illegible] / 47																				5	144
[illegible] / 45																				1	108
[illegible] / 43																					109
[illegible] / 41																					102
[illegible] / 39																					64
[illegible] / 37																					45
[illegible] / 35																					29
34 / 33																					20
[illegible] / 31																					15

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM AWS 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AC[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 41E? DHAHRAN SAUDI ARABIA 4?-6? MAR
STATION STATION NAME YEARS MONTH

PAGE ? 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31				
?? / ??																						E
?? / ??																						[illegible]
?? / ??																						5
?? / ??																						2
TOTAL	1.2	2.3	4.1	8.9	12.1	15.0	14.4	11.9	10.1	7.[illegible]	4.0	3.[illegible]	2.3	1.1	.3	.6			1549	1549	1549	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3485214	69148	44.6	16.043	1549							
Dry Bulb	8732171	115875	74.8	6.702	1550			84.4	57.5	20.7	.8	93
Wet Bulb	5766425	94243	60.8	4.587	1549			11.2	.1			93
Dew Point	3988140	77542	50.1	8.292	1549		1.9	.5				93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-62 — YEARS
MAR — MONTH

1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
88/ 87														.1				1	1		
86/ 85											.1		.1					2	2		
84/ 83									.2	.2	.1	.1						11	11		
82/ 81								.1	.3		.1	.1						9	9		
80/ 79					.1	.2	.3	.4	.4	.1	.1							28	28		
78/ 77					.6	.4	.9	.8	.4	.3	.1			.1				55	55		
76/ 75				.5	1.6	1.4	1.1	.6	.6	.1	.1							102	102		
74/ 73			.3	1.6	1.8	1.6	2.2	1.0	.3									139	139		
72/ 71		2.4	2.3	3.9	2.3	2.0	.6	.2										217	217	3	
70/ 69	.3	1.5	2.5	3.7	3.7	2.4	.6	.3										235	235	34	
68/ 67	.3	2.0	3.6	4.4	2.9	1.3	.7											241	241	132	21
66/ 65	1.5	1.6	3.7	3.7	2.1	1.1	.1	.1										219	219	176	70
64/ 63	.8	1.3	2.1	1.9	2.2	.5	.2											142	142	229	107
62/ 61	.1	.8	1.5	1.3	1.0	.2	.1											78	78	255	137
60/ 59	.1	.6	.9	1.1	.3	.4												55	55	259	152
58/ 57	.5	.1	.6	.4	.1													26	26	202	160
56/ 55	.1		.3	.2	.1													12	12	113	187
54/ 53		.1	.1	.2														5	5	100	200
52/ 51			.1															2	2	43	138
50/ 49																				17	127
48/ 47																				13	95
46/ 45																				3	72
44/ 43																					51
42/ 41																					23
40/ 39																					18
38/ 37																					13
36/ 35																					4
34/ 33																					1
32/ 31																					2
26/ 25																					1
TOTAL	3.7	10.6	20.2	25.0	18.3	12.3	5.4	2.6	.8	.5	.3	.1	.1					1579	1579		1579
																		1579		1579	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6426686	98488	62.4	13.407	1579							
Dry Bulb	7485074	108398	68.6	5.255	1579			61.3	20.4	2.1		93
Wet Bulb	5831746	95680	60.6	4.641	1579			10.0				93
Dew Point	4790930	86350	54.7	6.601	1579		.2	1.2				93

USAFETAC FORM AM 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 4163 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
43-67 — YEARS
MAR — MONTH

2100-2300 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
84/ 79							.1	.1	.2									5	5		
78/ 77					.3	.3	.3	.2	.2	.2								23	23		
76/ 75			.1	.1	.4	1.2	.6	.1	.1	.1								37	37		
74/ 73			.3	1.0	1.4	1.1	.5	.4	.1	.3								75	75		
72/ 71		.1	1.6	2.3	2.3	1.5	.3	.2	.1									130	130	1	
70/ 69		.6	2.3	3.2	3.4	1.4	1.4	.2	.1	.1								186	186	13	1
68/ 67	.1	.7	3.0	3.9	3.4	1.4	.5	.1	.1	.1								193	193	74	16
66/ 65		2.6	2.9	4.7	4.1	1.4	.3		.1									235	235	137	48
64/ 63	.1	2.3	2.7	4.4	3.6	1.0	.4	.1										213	213	215	97
62/ 61		1.6	2.0	2.9	2.2	.4	.3											136	136	226	145
60/ 59		1.6	1.8	2.1	1.2	.4	.3	.1										118	118	212	157
58/ 57	.1	.3	.8	1.7	.9	.2												59	59	229	180
56/ 55	.1	.5	.2	.8	.2	.1												27	27	137	184
54/ 53		.1	.2	.1	.2													9	9	99	152
52/ 51			.1	.2	.1													7	7	62	131
50/ 49		.1	.1															3	3	26	115
48/ 47																				14	67
46/ 45																				9	75
44/ 43																					33
42/ 41																					19
40/ 39																					14
38/ 37																					15
36/ 35																					4
34/ 33																					1
32/ 29																					1
28/ 27																					1
TOTAL	.3	10.6	18.1	27.4	24.2	10.4	5.6	1.4	1.1	.8								1456	1456	1456	1456

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	7175009	100375	68.9	13.245	1456							
Dry Bulb	6360615	95949	65.9	5.088	1456			41.5	8.9	.1		93
Wet Bulb	5212066	86840	59.6	4.739	1456			5.6				93
Dew Point	4458551	80025	55.0	6.432	1456		.1	1.1				93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41160 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-62 — YEARS
MAR — MONTH

ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
100/ 99																	.0	3	3		
98/ 97															.0		.1	8	8		
96/ 95															.0	.0	.1	11	11		
94/ 93											.0	.0	.0	.0	.0	.0	.1	16	16		
92/ 91										.0	.0	.0	.1	.1	.1	.0	.0	35	35		
90/ 89										.0	.0	.1	.1	.1	.1	.1		61	61		
88/ 87									.0	.1	.1	.1	.1	.3	.1	.0	.0	105	105		
86/ 85								.0	.1	.2	.3	.3	.3	.2	.0	.0		178	178		
84/ 83							.0	.1	.3	.4	.3	.4	.3	.2	.1			236	236		
82/ 81						.0	.1	.2	.5	.3	.5	.4	.2	.1	.0			292	292		
80/ 79					.0	.2	.4	.5	.5	.6	.7	.5	.2	.1				435	435		
78/ 77					.4	.5	.7	.7	1.0	.6	.5	.3	.1	.0				590	590		
76/ 75			.0	.3	.7	1.1	1.1	1.2	1.0	.8	.5	.2	.0					804	804		
74/ 73			.1	.7	1.0	1.2	1.2	1.3	.9	.5	.3	.1						855	856	3	
72/ 71		.1	.8	1.4	2.1	1.2	1.5	.9	.8	.3	.1	.0						1098	1098	29	
70/ 69		.3	1.4	2.1	2.0	1.8	1.3	.9	.5	.2	.1	.0						1249	1249	201	3
68/ 67	.0	.7	2.1	2.0	2.1	1.3	.9	.7	.2	.1	.0							1214	1214	618	72
66/ 65	.1	2.0	1.8	2.6	1.9	1.2	.8	.3	.1	.1								1306	1306	1175	280
64/ 63	.0	1.4	1.6	2.1	1.6	1.3	.6	.1	.0									1056	1056	1657	653
62/ 61	.0	1.4	1.5	1.7	1.3	.8	.3	.1	.0									848	848	1758	922
60/ 59	.1	1.1	1.3	1.4	1.0	.5	.2	.1										666	666	1852	1034
58/ 57	.3	.8	.7	.9	.6	.3	.0	.0										405	405	1569	1067
56/ 55	.0	.5	.3	.6	.4	.1	.0											229	229	1199	1167
54/ 53	.0	.2	.5	.2	.3	.1		.0										155	155	821	1107
52/ 51		.0	.1	.1	.2	.0	.0											58	58	508	1043
50/ 49		.0	.1	.1	.0	.0												29	29	299	951
48/ 47		.0	.1	.0	.0													15	15	143	796
46/ 45		.0		.1														10	10	84	747
44/ 43																				32	603
42/ 41																				6	474
40/ 39																				9	333
38/ 37																					250
36/ 35																					157
34/ 33																					114

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416C — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-62 — YEARS
MAR — MONTH
PAGE 2
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
32/ 31																						57
30/ 29																						49
28/ 27																						24
26/ 25																						27
24/ 23																						9
22/ 21																						2
18/ 17																						2
TOTAL	.3	8.	412.	416.	215.	511.	7	9.2	7.1	5.8	4.2	3.4	2.3	1.5	1.1	.4	.2	.2	11963	11964	11963	11963

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	46056386	704212	58.9	19.615	11963							
Dry Bulb	57693244	825538	69.0	7.810	11964			447.2	225.7	72.4	2.4	744
Wet Bulb	42768440	712724	59.6	5.063	11963			52.9	.2			744
Dew Point	33413607	624891	52.2	8.035	11963		10.6	4.7				744

USAFETAC FORM AS 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 48-61 (YEARS) APR (MONTH)

 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
88/ 87										.1								1	1		
86/ 85										.1								1	1		
84/ 83					.1			.1			.2		.1	.1				6	6		
82/ 81					.2	.2	1.0	.4		.1	.2	.2	.1					30	32		
80/ 79			.2	.2	.6	1.4	1.1	.5	.2	.2	.2	.2						56	58		
78/ 77		.2	.6	.2	2.4	1.7	1.3	.4	.3	.2	.1		.1					93	93	2	
76/ 75			.3	2.9	2.9	3.7	1.2	1.[illegible]	.7	.2	.1							163	163	5	1
74/ 73		.5	2.5	4.7	2.7	2.0	1.8	.6	.6	.3	.2	.4						204	204	14	6
72/ 71		.2	2.3	3.3	3.4	1.8	1.6	1.2	.4	.2								188	188	27	13
70/ 69		.6	2.6	3.7	5.3	1.9	1.3	.8	.4	.1								210	210	155	33
68/ 67		.2	2.1	2.1	3.0	1.1	.6	.2	.1									119	119	194	77
66/ 65		1.2	1.1	1.6	1.7	.9	.7	.2										90	90	170	109
64/ 63	.1	.6	1.0	1.0	.6	.6	.1											51	51	194	151
62/ 61	.1	.3	.5		.1	.2	.2											16	16	170	163
60/ 59		.1	.2	.3	.1													9	9	141	159
58/ 57		.1	.2	.4	.4													13	13	85	119
56/ 55					.2													2	2	46	101
54/ 53		.1		.1	.2													5	5	28	80
52/ 51																				17	50
50/ 49																				7	49
48/ 47																				1	42
46/ 45																				3	31
44/ 43																					24
42/ 41																					21
40/ 39																					12
38/ 37																					12
36/ 35																					4
34/ 33																					1
32/ 31																					2
30/ 29																					3
28/ 27																					1
TOTAL	.2	4.3	13.5	20.5	23.9	15.6	11.9	5.3	2.7	1.3	.9	.8	.2	.1					1259		1259
																		1259		1259	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5469280	90894	64.3	14.694	1259							
Dry Bulb	6479229	91100	71.6	4.984	1259			76.7	39.7	4.5		93
Wet Bulb	5122808	90068	63.6	4.945	1259			28.4	1.5			95
Dew Point	4327987	73201	58.1	7.561	1259		.4	9.3	.5			96

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416 DHAHRAN SAUDI ARABIA 49-61 APR

STATION STATION NAME YEARS MONTH

PAGE 1 0300-0600 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
47/ 83							.1	.1	.1				.1	.1	.1			6	6		
82/ 81					.1	.2	.2	.1	.2									9	9		
77/ 79				.1	.2	.5	.6	.4	.5	.1	.1	.1	.1					22	22		
72/ 77			.1	.1	.3	1.1	1.4	1.1	.4	.2	.2	.2	.2					76	76		
67/ 75		.2	.5	1.1	2.2	2.1	1.5	.5	.4	.1		.1						106	106	1	1
64/ 73	.1	.3	2.2	3.3	2.6	2.5	1.1	.7	.9	.4	.1	.2						191	191	12	3
77/ 71		.4	2.5	3.3	2.4	2.6	1.3	1.7	.9	.2	.1	.1						199	199	19	5
70/ 69		1.3	4.0	2.9	3.5	1.9	1.6	.6	1.1	.3								215	215	91	29
65/ 67		.9	3.3	3.4	2.5	1.0	1.3	1.1	.2	.2	.1							174	174	159	56
60/ 65		.6	1.7	2.1	1.5	.6	.9	.3										94	94	194	93
54/ 63	.2	1.1	1.2	2.1	.9	.6	.2											76	76	199	134
50/ 61	.2	.9	.3	.2	.2	.2	.6											32	32	186	190
47/ 59	.2	.6	.6	.3	.2	.3	.1											20	20	148	147
44/ 57		.1	.1	.2		.2												8	8	174	129
54/ 55			.2	.2	.2													7	7	56	126
44/ 53				.2	.1	.1												5	5	56	86
37/ 51					.1													1	1	78	53
50/ 49																				12	48
45/ 47																				7	41
46/ 45																				1	29
44/ 43																				2	28
42/ 41																					36
40/ 39																					23
38/ 37																					12
36/ 35																					6
34/ 33																					10
32/ 31																					5
30/ 29																					3
28/ 27																					2
26/ 25																					1
TOTAL	.6	6.3	15.4	23.2	19.3	13.4	10.1	5.9	4.1	1.5	.7	.7	.3	.1	.1			1261		1261	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5571353	81147	64.4	16.561	1260							
Dry Bulb	6242302	88466	70.2	4.963	1260			72.7	30.1	1.9		90
Wet Bulb	4935934	78602	62.4	5.089	1260			20.1	.9			90
Dew Point	4136699	71455	56.7	8.287	1260		1.1	6.7	.3			90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41167 DHAHRAN SAUDI ARABIA 46-61 APR
STATION STATION NAME YEARS MONTH

PAGE 1 0600-1800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31				
92/ 91															.1	.1		2	2		
90/ 87												.1						1	1		
88/ 87									.1	.1	.2	.1	.2	.2				10	10		
86/ 85					.1	.1		.2	.3	.3	.4	.6	.2	.1				28	28		
84/ 83						.2	.4	.5	.9	1.0	.5	.5	.2	.1				56	56		
82/ 81			.1		.2	.5	1.0	1.1	1.5	.2	.5	.5	.3	.1				79	79		
80/ 79				.1	.6	1.9	1.6	1.7	.7	.7	.8	.5	.2					116	116		
78/ 77			.1	.5	1.3	1.9	3.2	2.3	1.1	.7	.6	.5	.1					159	159	2	1
76/ 75	.1	.1	.5	2.1	2.4	3.2	1.7	1.9	1.3	.6	.5	.3						197	197	4	1
74/ 73		.1	.8	1.9	1.5	2.2	2.3	1.4	.9	.7	.2	.1						154	154	12	3
72/ 71		.2	1.6	1.4	2.7	1.6	1.6	1.3	.7	.7	.1							155	155	53	7
70/ 69		.3	1.9	1.4	1.4	1.8	1.3	.5	.4	.3	.1							127	127	111	22
68/ 67		.3	1.4	1.4	1.4	.5	.6	.5	.2	.1								97	87	173	57
66/ 65		.4	.3	.5	.9	.8	.7	.2	.1	.1								57	57	225	82
64/ 63		.3	.6	.5	.4	.4	.2	.1										35	35	186	115
62/ 61	.2	.5	.3	.3	.2	.2		.1										22	22	152	115
60/ 59	.2	.1	.3	.1	.2	.3	.1											16	16	150	134
58/ 57		.1		.2	.2	.2	.1											10	10	135	129
56/ 55		.1		.1		.1												3	3	36	14
54/ 53						.1												1	1	42	134
52/ 51																				15	67
50/ 49																				14	75
48/ 47																				5	62
46/ 45																				1	49
44/ 43																				1	40
42/ 41																					32
40/ 39																					13
38/ 37																					7
36/ 35																					1
34/ 33																					4
32/ 31																					0
30/ 29																					3
28/ 27																					2
26/ 25																					1

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

404160 | DHAHRAN SAUDI ARABIA | 46-61 | APR
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 0600-0900
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
24/ 23																					1
TOTAL	.4	2.5	5.4	10.3	13.7	15.9	14.4	11.7	8.2	5.4	4.4	3.2	1.1	.4	.1	.1		1315	1315	1315	1315

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4374711	72283	55.0	17.479	1315							90
Dry Bulb	7240026	97254	74.0	6.004	1315			80.1	54.9	16.4		90
Wet Bulb	5273922	83006	63.1	5.119	1315			24.3	1.2			90
Dew Point	4129204	72794	55.4	8.705	1315		1.0	6.2	.3			90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416 DHAHRAN SAUDI ARABIA 45-61 APR
STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
115/105																	.1	1	1		
110/104																	.1	1	1		
109/101																	.2	3	3		
103/ 99														.1		.2	.4	5	9		
99/ 97														.1	.1	.4	.3	19	19		
98/ 93											.1		.1	.4	.5	.5	.5	32	32		
97/ 93										.1	.1	.1	.5	.8	.7	.9	.4	53	53		
92/ 91									.1		.6	.9	.9	1.4	.8	.8	.3	79	79		
87/ 85									.4	.6	1.1	1.7	1.3	1.5	1.7	.3	.1	116	116		
84/ 87							.1	.2	1.3	1.4	2.4	1.5	1.2	1.3	.4	.1		139	139		
77/ 81							.2	1.0	1.5	2.6	2.7	2.1	1.6	.6	.3	.1		183	183		
76/ 82					.1	.1	.8	1.3	2.4	2.1	2.1	1.6	1.1	.4	.1			170	172		
77/ 81					.1	.7	1.3	2.1	1.9	1.8	2.7	1.2	.4	.1				165	165		
76/ 79					.4	.7	1.4	1.2	2.3	1.6	1.8	.6	.1	.1				152	152		
77/ 77			.1	.1	.6	.2	1.1	1.7	1.2	1.4	.5							104	104	1	
75/ 75				.4	.3	1.4	.6	1.5	.9	.4	.3							79	79	7	
74/ 73				.2	.1	.6	.4	.6	.5	.1								35	35	72	
72/ 71				.2	.4	.3	.5	.1	.4	.1								28	28	84	2
71/ 69			.1	.1		.3	.4	.4		.1								20	20	170	7
68/ 67						.1	.1	.1										5	5	235	37
67/ 65							.3											3	3	253	39
64/ 63				.1			.1											2	2	245	73
63/ 61																				179	81
61/ 59																				131	125
60/ 57																				73	115
58/ 55																				21	115
56/ 52																				6	123
53/ 51																				1	129
51/ 49																					122
49/ 47																					98
47/ 45																					98
44/ 42																					91
42/ 41																					59
40/ 39																					43

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416 DHAHRAN SAUDI ARABIA 46-61 APR
STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≥ / 37																					1
≥ / 35																					18
34/ 33																					15
≥ / 31																					4
≥ / 29																					4
≥ / 27																					4
≥ / 25																					1
≥ / 23																					2
≥ / 21																					1
TOTAL	.2	1.0	1.9	5.0	6.7	11.0	12.5	12.2	14.4	9.9	7.2	7.8	3.9	3.3	3.1			1398		1398	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2066523	50361	36.0	13.440	1398							
Dry Bulb	9864642	117100	83.8	6.334	1398			89.7	86.3	68.8	7.6	90
Wet Bulb	5949743	91027	65.1	4.837	1398			34.3	2.6			90
Dew Point	3904930	72954	52.2	8.370	1398		1.3	2.7				90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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PSYCHROMETRIC SUMMARY

4 416 — STATION — DHAHRAN SAUDI ARABIA — STATION NAME — 4 -61 — YEARS — APR — MONTH

PAGE 1 — 12 -14 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
11 / 107																	.3	3	3		
11 / 107																	.1	1	1		
11 / 105																	.	3	3		
11 / 103													.1		.1	.1	.2	6	6		
10 / 101															.7	.1	1.5	26	26		
10 / 99												.1	.1	.1	.1	.8	1.3	36	36		
9 / 97											.7	.1	.2	.4	.7	1.7	1.5	41	41		
8 / 95									.1			.4	.4	1.1	1.4	1.4	1.6	69	69		
8 / 93									.1		.1	.6	1.6	2.0	1.5	1.5	.5	114	114		
7 / 91								.1	.1	.4	1.1	1.7	1.5	1.6	2.6	.4		174	174		
6 / 89								.1	.4	.2	1.4	2.5	2.3	1.3	.9	.4	.1	145	145		
5 / 87							.1	.3	1.1	1.5	2.6	2.0	2.7	1.6	.8	.2		177	177		
5 / 85						.1	.1	1.4	1.3	2.3	2.6	2.7	2.0	1.4	.4	.1		208	208		
4 / 83						.1	.4	.7	.3	1.6	2.0	1.3	.8	.6	.1			125	125		
3 / 81					.2	.4	.3	.7	1.1	1.5	.5	1.9	.2					121	121		
2 / 79					.1	.7	.4	1.6	.8	1.2	1.7	.4						84	84	2	
2 / 77				.1	.4	.2	.5	.7	1.2	1.0	.7	.1						55	55	5	
1 / 75					.1	.1	.2	.4	.6	.1	.6							34	33	11	
1 / 73					.1		.1	.4	.5		.1							13	13	40	7
1 / 71					.1	.1		.2	.3									9	9	123	3
0 / 69								.2	.1									9	9	216	12
0 / 67							.1		.1									2	2	231	22
0 / 65							.1	.1										2	2	244	34
0 / 63																				241	51
0 / 61																				142	64
0 / 59																				124	77
0 / 57																				73	108
0 / 55																				11	111
0 / 53																				3	129
0 / 51																				2	121
0 / 49																					124
0 / 47																					129
0 / 45																					107
0 / 43																					91

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) AM 64 — REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible]C | DHAHRAN SAUDI ARABIA | 48-61 | APR
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 1200-1400
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 41																					77
46 / 3[illegible]																					55
39 / 37																					41
[illegible] / 35																					[illegible]
34 / 33																					12
[illegible] / 31																					18
[illegible] / 29																					[illegible]
[illegible] / 27																					4
[illegible] / 1[illegible]																					1
TOTAL			.1	1.1	1.[illegible]	2.2	5.7	9.6	9.9	12.5	13.5	11.7	11.[illegible]	8.9	5.7	7.6		1427	1427	1427	1427

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1484215	42941	30.1	11.665	1427			89.9	88.9	79.9	21.5	9
Dry Bulb	11034143	125117	87.7	6.704	1427			89.9	88.9	79.9	21.5	9
Wet Bulb	62046.1	93905	65.8	4.195	1427			39.8	3.8	.1		92
Dew Point	3776524	72442	50.8	8.415	1427		1.5	2.3	.1			90

FORM 0-26 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41660 DHAHRAN SAUDI ARABIA 41-51 APR
STATION STATION NAME YEARS MONTH

PAGE 1 1[illegible]-1703
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]/107																	.1	1	1		
[illegible]/103														.1			.1	3	3		
[illegible]/101																.4	.4	11	11		
[illegible]/ 99													.1		.1	.3	.4	12	12		
[illegible]/ 97									.1				.1	.1	.3	.4	1.7	37	37		
[illegible]/ 95										.1	.1	.2	.4	.3	.6	1.1	.6	52	52		
47/ 93										.1	.4	.2	.6	1.9	.5	.7	.1	62	62		
[illegible]/ 91								.1		.2	.6	.8	.9	1.1	.6	.4	.1	69	69		
[illegible]/ 89						.1	.1	.3	.3	.6	1.5	1.6	1.5	1.0	.5			104	104		
87/ 87						.1	.1	.5	1.4	1.6	2.1	1.5	1.1	.8	.6			138	138		
[illegible]/ 85						.2	.4	1.3	2.3	2.0	2.2	2.2	1.7	.6	.2			189	189		
[illegible]/ 83			.1	.1	.1	.3	1.2	1.5	2.9	2.6	2.3	2.1	1.1	.6				208	208		
[illegible]/ 81	.1					.6	1.6	1.5	1.9	1.7	1.8	1.1	.3	.1				148	148	1	
[illegible]/ 79			.1	.1	.4	.6	1.2	.9	1.4	1.6	1.5	.6						117	117	4	1
79/ 77				.2	.3	.6	1.1	1.2	1.9	.9	.5	.1						[illegible]	95	13	2
[illegible]/ 75				.4	.4	.9	.6	1.1	1.2	.4	.1							[illegible]	71	15	3
74/ 73					.2	.3	.4	.9	.6	.2	.1							36	36	49	5
[illegible]/ 71					.1	.1	.5	.2	.3	.1								19	19	125	8
[illegible]/ 69					.2	.1	.4	.4	.1									16	16	2[illegible]2	19
[illegible]/ 67						.1	.2	.1	.1									7	7	224	35
[illegible]/ 65						.1	.1	.1										3	3	240	40
[illegible]/ 63									.1									1	1	151	87
[illegible]/ 61								.1										1	1	1[illegible]0	102
[illegible]/ 59							.1											1	1	1[illegible]3	101
[illegible]/ 57																				48	107
55/ 55																				2	98
[illegible]/ 53																				5	129
[illegible]/ 51																				1	137
[illegible]/ 49																				1	110
[illegible]/ 47																				2	115
[illegible]/ 45																					85
44/ 43																					78
[illegible]/ 41																					52
[illegible]/ 39																					29

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 416[illegible] | DHAHRAN SAUDI ARABIA | 46-61 | APR

STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 37																					[illegible]
[illegible] / 35																					19
34 / 33																					13
[illegible] / 31																					3
[illegible] / 29																					2
[illegible] / 27																					1
TOTAL	.1	.1	.5	1.6	4.2	8.1	10.1	14.3	12.1	11.2	10.4	7.7	6.6	3.9	3.2	3.5		1401		1401	
																		1401		1401	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2091149	[illegible]	56.3	13.127	1401							
Dry Bulb	10063527	118393	84.5	6.714	1401			89.6	86.9	70.5	11.4	90
Wet Bulb	6397304	92211	65.8	4.535	1401			40.5	5.1	.2		90
Dew Point	4068626	74578	53.2	8.396	1401		.4	4.7	.7			90

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

40416 DHAHRAN SAUDI ARABIA 46-61 APR
STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
98/ 97													.1				.1	2	2		
96/ 95																.1		1	1		
94/ 93											.1							1	1		
92/ 91										.1	.2	.1	.1	.1			.1	10	10		
90/ 89								.1	.1	.3	.3	.4	.3	.1	.1			22	22		
88/ 87						.1	.2	.4	.6	.2	.1	.5	.4	.1				35	35		
86/ 85					.1	.4	.2	.5	.8	.7	.4	.4	.2	.1				56	56		
84/ 83					.2	.4	1.3	1.3	1.3	.6	.6							87	87		
82/ 81			.1	.4	.9	2.5	2.4	1.5	1.7	1.0	.4	.2	.1					158	158		
80/ 79				.8	2.0	3.8	2.9	2.0	1.8	1.1	.6	.2	.1					218	218		
78/ 77			.4	.9	4.2	2.7	3.4	2.1	2.1	.4	.1							231	231	4	
76/ 75		.1	.3	1.6	2.7	3.7	2.5	2.1	.8	.3	.1							201	201	25	1
74/ 73			.3	1.2	2.2	3.0	2.2	1.1	.8	.1								155	155	60	11
72/ 71		.1	.6	1.2	1.8	1.8	1.5	.5	.3									109	109	156	25
70/ 69	.1		.3	.6	1.0	1.5	.5	.2	.1									68	68	221	51
68/ 67			.1	.5	.6	.5	.8	.1										39	39	201	96
66/ 65			.1	.1	.5	.2	.1											14	14	245	139
64/ 63				.1	.1	.4	.1											9	9	198	166
62/ 61					.2	.1												6	6	149	152
60/ 59					.1		.1											3	3	96	144
58/ 57						.1												1	1	43	127
56/ 55					.1													1	1	22	127
54/ 53																				8	107
52/ 51																				4	81
50/ 49																					74
48/ 47																				1	52
46/ 45																					34
44/ 43																					16
42/ 41																					12
40/ 39																					5
38/ 37																					4
36/ 35																					1
34/ 33																					2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 48-61 APR
STATION STATION NAME YEARS MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	.1	.1	2.0	7.6	16.9	21.2	18.4	11.3	10.7	4.7	2.9	1.9	1.2	.4	.1	.1	.1	1427	1427	1427	1427

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4440213	77356	54.2	13.157	1427			87.9	74.2	30.5	.3	90
Dry Bulb	8582176	110392	77.4	5.447	1427			42.1	5.6			90
Wet Bulb	6244517	94167	66.0	4.624	1427			11.6	.8			90
Dew Point	4995963	83831	58.7	7.066	1427							

USAFETAC FORM AIR 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 416x STATION | DHAHRAN SAUDI ARABIA STATION NAME | 48-61 YEARS | APR MONTH

 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31				
[illegible] / 99											.1							1	1		
98 / 97									.1	.2								3	3		
96 / 95						.1	.1	.1	.1	.1		.1		.1	.1			8	8		
94 / 93				.1		.2	.5	.6	.6	.2	.1	.2						22	22		
92 / 91				.2	.4	1.1	1.3	1.4	.5	.1	.2	.1						71	71		
90 / 89			.2	.5	1.4	2.7	1.7	1.3	.4	.1	.4	.2						123	123		
88 / 87			.4	1.1	2.0	3.1	2.2	1.7	.4	.2		.2						170	170	1	
86 / 85			.6	3.5	4.8	3.3	1.5	1.1	.9	.4		.2						214	214	1	2
84 / 83		.4	1.5	3.3	3.1	3.6	2.1	1.5	.2	.3	.2							211	211	33	7
82 / 81		.2	1.2	3.2	4.7	3.0	1.1	.5	.5	.1								192	192	96	26
80 / 79		.1	1.4	2.2	2.4	2.4	.8	.5		.1								130	130	208	55
78 / 77			.6	1.7	1.7	.8	.9	.1										77	77	194	103
76 / 75		.1	.4	.7	.8	.5	.1											34	34	219	119
74 / 73			.8	.7	.2	.4												28	28	178	156
72 / 71			.4		.2	.1	.1											10	10	147	166
70 / 69		.1	.1	.1	.5	.1												11	11	111	156
68 / 67					.2													2	2	71	134
66 / 65					.2													3	3	26	127
64 / 63																				14	67
62 / 61																				1	52
60 / 59																				2	42
58 / 57																				3	42
56 / 55																					25
54 / 53																					16
52 / 51																					10
50 / 49																					9
48 / 47																					4
46 / 45																					4
44 / 43																					2
42 / 41																					
40 / 39																					
38 / 37																					
36 / 35																					
34 / 33																					
TOTAL		.8	7.5	17.2	25.0	21.4	12.2	8.6	3.7	1.7	.8	.8		.1	.1			1320	1320	1320	1320

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5196122	81026	61.4	12.989	1320							
Dry Bulb	7256383	97648	74.0	4.987	1320			84.0	56.8	12.0		90
Wet Bulb	5613965	85857	65.0	4.733	1320			37.0	3.0			90
Dew Point	4700295	78227	59.3	6.989	1320		.1	12.8	.6			90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416 DHAHRAN SAUDI ARABIA 40-61 APR
STATION STATION NAME YEARS MONTH

PAGE 1 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31							
118/ 107																	.3				4	4		
116/ 107																	.3				2	2		
115/ 105																	.0				4	4		
104/ 103													.0	.0	.0	.0	.3				9	9		
102/ 101															.1	.1	.7				40	40		
100/ 99												.0	.0	.0	.0	.2	.3				59	59		
98/ 97									.0		.0	.0	.1	.1	.1	.3	.5				119	119		
96/ 95									.0	.1	.1	.1	.1	.2	.4	.4	.4				174	174		
94/ 93									.0	.0	.1	.1	.4	.6	.4	.4	.1				230	230		
92/ 91								.0	.0	.1	.3	.4	.4	.6	.6	.2	.1				290	290		
90/ 89						.0	.0	.1	.1	.2	.6	.9	.7	.6	.3	.1	.0				392	392		
88/ 87						.1	.1	.2	.5	.7	.5	.7	.7	.6	.2	.0					503	503		
86/ 85					.0	.1	.2	.5	.8	1.1	1.1	1.1	.7	.4	.1	.0					665	665		
84/ 83			.0	.0	.1	.2	.6	.8	1.2	1.1	1.0	.7	.4	.3	.0						690	690		
82/ 81		.0	.0	.1	.3	.4	1.1	1.1	1.1	.8	.5	.7	.2	.0							761	761	1	
80/ 79			.1	.2	.7	1.6	1.3	1.3	1.0	.9	.9	.3	.0	.0							900	900	9	1
78/ 77		.0	.2	.4	1.7	1.5	1.7	1.3	1.1	.6	.3	.1	.0								983	983	26	3
76/ 75	.2	.0	.3	1.0	1.9	2.2	1.2	1.2	.9	.3	.2	.1									1061	1061	76	9
74/ 73	.0	.1	.9	1.8	1.5	1.7	1.2	.8	.6	.2	.1	.1									1004	1004	254	37
72/ 71		.2	1.0	1.5	2.0	1.4	1.0	.6	.5	.2	.0	.0									899	899	692	63
70/ 69	.0	.3	1.2	1.3	1.7	1.2	.8	.4	.3	.1	.0										791	791	1379	228
68/ 67		.2	.9	1.1	1.1	.5	.5	.3	.1	.0	.0										510	510	1600	477
66/ 65		.2	.5	.6	.6	.4	.3	.1	.1	.1											297	297	1780	651
64/ 63	.0	.2	.4	.5	.3	.3	.1	.0	.0												202	202	1622	933
62/ 61	.1	.2	.2	.1	.1	.1	.1	.1													87	87	1354	992
60/ 59	.0	.1	.1	.1	.1	.1	.1														69	69	998	1058
58/ 57		.0	.0	.1	.1	.1	.0														34	34	519	966
56/ 55		.1	.0	.0	.1	.0															16	16	257	909
54/ 53		.0		.1	.0	.0															11	11	162	930
52/ 51					.0																1	1	75	690
50/ 49																							36	628
48/ 47																							19	581
46/ 45																							5	448
44/ 43																							3	384

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416D STATION | DHAHRAN SAUDI ARABIA STATION NAME | 48-61 YEARS | APR MONTH

PAGE 2 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
42/ 41																					259
40/ 39																					259
38/ 37																					148
36/ 35																					54
34/ 33																					63
32/ 31																					40
30/ 29																					2
28/ 27																					14
26/ 25																					3
24/ 23																					3
22/ 21																					1
20/ 19																					1
TOTAL	.1	1.7	5.7	9.3	17.5	12.2	10.3	8.9	8.3	6.3	6.4	5.3	3.8	2.4	2.2	1.6	1.9	108.7	10807	10807	

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	30623641	536917	49.7	19.284	10807							
Dry Bulb	66766926	844470	78.1	8.492	10807			672.2	525.7	294.8	82.7	720
Wet Bulb	45443294	698842	64.7	4.231	10807			269.0	29.4	.3		720
Dew Point	39099228	599482	55.5	8.550	10807		5.6	55.8	3.3			720

FORM AF 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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PSYCHROMETRIC SUMMARY

41160 DHAHRAN SAUDI ARABIA 48-61 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
67/ 95													.1		.1	.2		4	4		
94/ 93										.2				.2	.1	.1		7	7		
92/ 91								.2		.1				.2	.2		.1	10	10		
90/ 89								.2		.2	.4	.6	.4	.3	.2		.1	29	29		
88/ 87					.2	.2	.1	.1	.7	.8	.5	.8	.4	.5	.3	.1		59	59		
86/ 85				.2	.1	.4	.9	1.2	1.5	1.8	1.2	.8	.6	.8	.2			125	125		
84/ 83			.6	.5	.9	1.9	1.9	1.5	3.1	2.2	1.3	1.2	.3		.1			198	198		
82/ 81		.1	.4	1.3	1.7	3.3	2.1	2.4	2.7	1.2	1.3	.5	.3	.2				222	222		
80/ 79		.2	.5	1.7	1.4	3.8	2.8	2.0	1.1	1.4	1.0	.3	.2					211	211	15	4
78/ 77		.5	.7	1.8	3.3	1.8	2.2	.6	1.2	.8	.5	.1	.2					180	180	34	14
76/ 75		.4	1.2	1.8	1.8	1.9	.6	.7	.5	.3	.3							125	125	59	16
74/ 73			.5	1.2	.6	.2	.2	.5	.5	.3								57	57	117	42
72/ 71		.1	.7	.5	1.1	.3	.7	.2	.3									51	51	151	73
70/ 69		.1	.5		.2	.2	.2	.2										17	17	225	76
68/ 67		.1				.1	.2											4	4	222	100
66/ 65					.2													2	2	174	123
64/ 63																				97	118
62/ 61																				97	117
60/ 59																				63	112
58/ 57																				32	90
56/ 55																				10	69
54/ 53																				1	56
52/ 51																					58
50/ 49																					61
48/ 47																					43
46/ 45																					39
44/ 43																					27
42/ 41																					22
40/ 39																					15
38/ 37																					12
36/ 35																					4
34/ 33																					3
32/ 31																					4
30/ 29																					2

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AWS 64

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 416 (6) STATION | DHAHRAN SAUDI ARABIA STATION NAME | 48-61 YEARS | MAY MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
21/27																					3
TOTAL		1.3	5.1	9.0	12.1	13.8	11.7	9.7	11.4	9.1	6.4	4.3	2.5	2.2	1.1	.3	.2	1301	1301	1301	1301

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3955882	67914	52.2	17.774	1301							
Dry Bulb	8445351	144643	80.4	4.693	1301			92.9	87.7	54.6	.8	93
Wet Bulb	6007101	88173	67.8	4.209	1301			58.3	15.6	.6		93
Dew Point	4749542	77654	59.7	9.386	1301		.7	23.0	5.9			93

FORM AA 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] | DHAHRAN SAUDI ARABIA | [illegible] | MAY
STATION | STATION NAME | YEARS | MONTH

PAGE 1 | 0330-0530
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																						TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]																.2				2	2			
47 / 45										.1		.1		.2						5	6			
[illegible] / 91													.1	.2	.1	.1				7	7			
/ 89							.1				.1	.2		.4	.1					12	12			
[illegible] / 87								.2	.2	.3	.2	.3	.3	.5	.2	.1				15	15			
67 / 65				.2	.2	.2	.2	.3	.4	.8	1.0	1.1	1.2	.2	.2					87	87			
74 / 83			.4	.5	.5	.6	1.7	1.2	1.5	1.7	1.5	1.2	1.0	.3						155	155			
[illegible] / 81			.6	.7	1.1	2.5	2.1	2.7	2.5	1.7	1.4	1.2	.3	.1						216	218			
[illegible] / 79		.1	1.0	.7	1.4	3.5	2.8	2.2	1.5	1.4	1.2	.7	.3							229	230	90	1	
79 / 77		.1	1.3	2.1	3.0	2.2	2.4	1.6	.9	.7	.9	.2	.2							212	212	86	12	
78 / 75		.5	1.5	2.6	2.1	1.7	.5	1.3	1.2	.6	.2	.2	.1							164	164	76	15	
74 / 73		.2	.8	1.3	1.5	.7	.5	.5	.5	.4	.1									68	69	65	37	
77 / 71		.4	.6	.5	.5	.5	.4	.5	.2	.4										55	55	150	77	
72 / 69		.4	.9	.4	.2		.2	.3	.2											33	33	184	80	
69 / 67		.1	.2	.1	.1	.1	.3													11	11	215	108	
[illegible] / 65							.2													2	2	191	96	
64 / 63					.1	.1														4	4	195	124	
[illegible] / 61																						119	113	
[illegible] / 59																						71	99	
[illegible] / 57																						46	75	
[illegible] / 55																						27	79	
[illegible] / 53																						11	57	
[illegible] / 51																						1	52	
[illegible] / 49																							63	
[illegible] / 47																							53	
[illegible] / 45																							50	
[illegible] / 43																							45	
[illegible] / 41																							37	
[illegible] / 39																							23	
[illegible] / 37																							12	
[illegible] / 35																							13	
[illegible] / 33																							5	
[illegible] / 31																							4	
[illegible] / 29																							2	

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM AA 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 41-61 MAY
STATION STATION NAME YEARS MONTH

PAGE [illegible]
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31														
[illegible]																															
TOTAL		1	3	7	4	9	11	11	4	11	9	11	3	11	6	6	9	8	4	6	5	5	1	2	5	2	0	0	5	2	1302	1302	1302	1302

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4016633	68013	52.2	18.922	1302							
Dry Bulb	8189139	103083	79.2	9.620	1302			92.7	85.6	45.1	0.5	93
Wet Bulb	5824702	86832	66.7	5.095	1302			58.5	10.9	0.1		93
Dew Point	4560922	75976	58.4	9.898	1302		0.6	21.3	4.6			93

USAFETAC FORM 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AUG 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 4160 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
MAY — MONTH
PAGE 1
0600-1800 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31								
1 [illegible] / 103																	.1	2	2						
1 2 / 101																.1	.1	3	3						
1 [illegible] / 99															.1	.1	.1	4	4						
[illegible] / 97										.1				.1	.1	.4	.2	12	12						
[illegible] / 95										.1	.1	.1	.1	.[illegible]	.6	.5	.2	30	30						
[illegible] / 93							.1		.1	.1	.4	.4	.4	.6	.7	.2	.2	45	45						
[illegible] / 91						.1	.1	.2	.3	.4	.4	.7	.7	1.3	1.2	.5		78	78						
[illegible] / 89					.1	.1	.2	.3	.4	1.4	1.4	1.4	1.2	.2	.6	.2		111	111						
[illegible] / 87					.[illegible]	.4	.6	.[illegible]	1.7	1.8	1.[illegible]	1.4	1.4	.2	.3	.3		154	154						
[illegible] / 85				.1	.[illegible]	.4	1.7	2.1	1.6	1.5	2.1	1.4	1.4	1.2	.2			196	196						
[illegible] / 83			.1	.3	.[illegible]	.9	1.7	2.4	2.3	1.7	1.5	1.1	.9	.4	.1			138	138						
[illegible] / 81			.2	.4	1.0	2.4	1.[illegible]	2.4	1.4	.6	1.[illegible]	.[illegible]	.6	.1				165	165	5						
[illegible] / 79			.2	.7	1.[illegible]	[illegible].1	1.2	1.[illegible]	.8	.5	.6	.[illegible]	.5					145	145	11	[illegible]					
7[illegible] / 77			.4	1.2	1.[illegible]	.9	.[illegible]	.6	.6	.6	.4	.1		.1				100	100	30	11					
76 / 75		.1	.4	1.1	.[illegible]	1.1	.4	.1	.4	.6	.1	.4						73	73	43	15					
74 / 73			.2	.[illegible]	.4	.[illegible]	.2	.3	.1	.1	.1	.1						32	32	116	42					
72 / 71		.1	.3	.1	.1	.1	.1	.1	.1	.1								17	17	214	42					
70 / 69		.1	.4					.[illegible]	.1									11	11	227	76					
68 / 67			.1	.1				.1										3	3	296	100					
[illegible] / 65																				191	99				
[illegible] / 63																				175	126				
[illegible] / 61																				95	124				
[illegible] / 59																				[illegible]	91				
[illegible] / 57																				24	76				
[illegible] / 55																				16	24				
[illegible] / 53																				0	74				
[illegible] / 51																					72				
[illegible] / 49																					64				
[illegible] / 47																					61				
[illegible] / 45																					59				
[illegible] / 43																					52				
[illegible] / 41																					41				
[illegible] / 39																					40				
[illegible] / 37																					23				

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41166 | DHAHRAN SAUDI ARABIA | 46-61 | YEARS | MAY | MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≥ / 35																					1
34 / 32																					3
31 / 31																					1
30 / 29																					3
28 / 27																					
TOTAL	.4	.3	4.5	6.6	8.8	9.6	10.0	9.0	9.5	9.8	8.7	7.3	5.5	4.4	2.4	1.0		1389			1389
																			1389	1389	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3043465	60095	43.3	17.275	1389			93.0	90.9	73.4	5.4	93
Dry Bulb	2830126	116500	83.9	5.723	1389			93.0	90.9	73.4	5.4	93
Wet Bulb	6384785	93915	67.6	5.212	1389			57.0	13.7	.5		93
Dew Point	4653974	79124	57.0	10.281	1389		1.3	17.6	3.0	.1		93

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1
2

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHANHAN SAUDI ARABIA STATION NAME | 40-62 YEARS | MAY MONTH

[illegible] HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 11																	.1	2			
[illegible] / 11																	.4	5			
[illegible] / [illegible]																	.5	13	17		
[illegible] / [illegible]														.1		.1	.5	13	17		
[illegible] / [illegible]													.1			.1	2.7	41	41		
[illegible] / [illegible]													.1			.4	2.[illegible]	42	43		
[illegible] / [illegible]												.3		.3	.7	1.6	3.7	59	85		
[illegible] / [illegible]										.1	.1	.1	.7	.[illegible]	1.1	2.6	4.1	123	123		
[illegible] / [illegible]										.1	.2	.[illegible]	1.2	1.3	2.2	2.4	2.9	151	151		
[illegible] / [illegible]								.1	.2	.1	.2	1.6	1.9	2.1	3.4	2.9	1.4	146	146		
[illegible] / [illegible]								.3	.3	.6	.9	1.[illegible]	2.3	2.3	2.2	1.6	.7	178	178		
[illegible] / [illegible]							.7	.2	.9	.8	1.[illegible]	2.3	1.5	2.2	1.3	.6	.4	165	165		
[illegible] / [illegible]							.1	.3	.5	1.7	2.[illegible]	[illegible].6	1.3	1.7	.5	.1		154	154		
[illegible] / [illegible]							.2	.3	1.1	1.1	2.[illegible]	.7	.7	.4	.1			163	163		
[illegible] / [illegible]							.3	.3	.4	.5	.4	.6	.4	.2				81	81		
[illegible] / [illegible]					.[illegible]		.2	.[illegible]	.7	.[illegible]	.[illegible]	.1						56	56	1	
[illegible] / [illegible]					.[illegible]		.3	.3	.3	.1	.1							56	55	1	
[illegible] / [illegible]				.1	.1	.4	.5	.1	.1									15	15	15	1
[illegible] / [illegible]				.1	.1	.1												4	4	33	1
[illegible] / [illegible]					.1	.1												4	4	[illegible]	[illegible]
[illegible] / [illegible]				.1	.1													7	7	17[illegible]	1[illegible]
[illegible] / [illegible]																				[illegible]	19
[illegible] / [illegible]																				[illegible]	35
[illegible] / [illegible]																				[illegible]	[illegible]
[illegible] / [illegible]																				171	[illegible]
[illegible] / [illegible]																				[illegible]	[illegible]
[illegible] / [illegible]																				-1	113
[illegible] / [illegible]																				[illegible]	1[illegible]
[illegible] / [illegible]																					1[illegible]
[illegible] / [illegible]																					[illegible]
[illegible] / [illegible]																					1 [illegible]
[illegible] / [illegible]																					11[illegible]
[illegible] / 47																					112

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM AM 64 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1
2

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] WEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | [illegible] SAUDI ARABIA STATION NAME | 4[illegible]-61 YEARS | MAY MONTH

[illegible] TIME [illegible]-11[illegible] HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 4																					71
[illegible]/ 4[illegible]																					[illegible]
/ 5[illegible]																					57
/ [illegible]																					2[illegible]
/ 2[illegible]																					27
[illegible]/ 3[illegible]																					21
2[illegible]/ 9[illegible]																					14
[illegible]/ 21																					1[illegible]
/ [illegible]																					6
[illegible]/ 2[illegible]																					2
TOTAL	.[illegible]	.[illegible]	1.6	2.1	4.1	4.[illegible]	5.6	9.[illegible]	9.7	9.7	10.9	11.4	10.3	20.[illegible]				1421		1421	
																			1421		

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	126,2[illegible]4	4[illegible]668	28.[illegible]	12.74[illegible]	1421							
Dry Bulb	12643043	173743	94.1	6.24[illegible]	1421			97.0	93.[illegible]	9[illegible].[illegible]	55.7	93
Wet Bulb	6574223	98651	69.4	3.[illegible]77	1421			72.6	1[illegible].7	1[illegible]		23
Dew Point	4256424	76[illegible]70	54.[illegible]	9.25[illegible]	1421		1.2	5.5	1.4			43

USAFETAC FORM 0-26 5 (OL A) JUN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...ETAC
... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

...42... | SHAHRAN SAUDI ARABIA | 48-61 | MAY
STATION | STATION NAME | YEARS | MONTH

PAGE 1 | 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
...1 / 11																	.1	3	3		
... / 11																	.1	9	9		
11... / 111																	1.1	14	14		
... / 1...																	2.0	28	28		
... / 1...													.1	.1		.1	3.3	52	52		
... / 1...														.1	.1	.1	4.8	78	78		
... / 1...													.1	.1	.5	.8	4.3	83	83		
... / 1...											.2	.3	.3	.5	.6	1.8	5.3	129	129		
... / 99									.1	.1	.1	.5	.6	.8	2.1	3.3	5.2	165	165		
... / 97								.1	.2		.6	1.1	1.6	1.5	2.5	3.6	3.6	212	212		
... / 95									.4	.4	.2	.8	2.7	1.8	2.0	1.7	1.7	175	175		
... / ...								.2	.2	.4	1.1	1.5	1.3	1.6	1.1	1.5	.2	135	136		
... / 91									.8	.6	1.5	1.5	.7	1.5	1.5	.4		119	119		
... / 89							.1	.1	.4	1.3	1.4	.7	.6	1.1	.6	.1		93	93		
... / 87							.1	.4	1.0	.4	.3	.3	.2	.4				50	50		
... / 85						.1	.4	.1	.5	.6	.2	.6	.1					36	36		
... / 83						.1	.1	.2	.1		.1							9	9	3	
... / 81			.2					.1	.1	.1								9	9	14	
... / 79		.1				.1												3	3	19	
7... / 77						.1	.1											3	3	42	3
... / 75																				136	5
... / 73																				186	5
7... / 71																				265	22
... / 69																				291	30
...7 / 67																				226	47
... / 65																				142	53
...0 / 63																				103	75
... / 61																				24	70
... / 59																				2	126
... / 57																					90
... / 55																					92
... / 53																					94
... / 51																					109
... / 49																					107

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

...AL CLIMATOLOGY BRANCH
USAFETAC
... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

...HRAN (DAHRAN) SAUDI ARABIA — 43-61 (YEARS) — MAY (MONTH)

HOURS (L.S.T.) ...-14...

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
.../117																					111
.../4																					111
.../83																					76
.../42																					6[illegible]
.../[illegible]																					[illegible]
.../27																					42
.../35																					25
.../13																					[illegible]
.../71																					6
.../32																					2
.../27																					1
.../24																					1
.../23																					[illegible]
TOTAL	.1	.2	.4	.2	1.3	2.7	3.2	6.2	7.2	8.6	9.5	10.9	13.8	32.8				1425	1425	1425	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	1.39673	35975	24.6	11.128	1425							
Dry Bulb	1353423	138627	97.2	6.210	1426			93.0	93.0	92.7	72.0	93
Wet Bulb	7011433	99796	70.0	3.975	1425			75.3	24.1	1.5		93
Dew Point	4123698	75484	53.0	9.377	1425		.8	7.4	1.0			93

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1
2
1

[illegible] AL CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] | DHAHRAN SAUDI ARABIA | 48-61 | MAY
STATION | STATION NAME | YEARS | MONTH

PAGE 1 | 15 00-1700
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]/110																	.1	2	2		
10[illegible]/101																	.4	6	6		
9[illegible]/ 9[illegible]																	.8	11	11		
2[illegible]/ 87																.1	.9	14	14		
[illegible]/ 8[illegible]															.1	.1	1.6	29	29		
[illegible]/ 83											.1	.1	.1	.2	.1	.5	2.1	40	46		
[illegible]/ 81											.1	.1	.1	.1	.8	1.0	2.3	35	35		
[illegible]/ 79											.5	.5	.6	1.2	1.4	1.9	2.7	124	124		
[illegible]/ 77										.5	.5	.5	1.3	1.4	2.0	2.2	2.4	156	156		
[illegible]/ 75								.4	.4	.6	1.1	1.3	2.0	1.5	2.8	2.0	.9	187	187		
[illegible]/ 73							.3	.4	.2	1.3	1.1	1.4	2.7	2.3	1.4	1.4	.5	188	188		
[illegible]/ 71						.1	.1	.4	.5	1.1	2.0	2.0	1.7	1.3	1.5	.4		156	156		
[illegible]/ 69						.1	.1	.5	1.0	1.3	2.3	1.8	1.5	1.1	.3	.1		143	143		
[illegible]/ 67						.1	.5	1.2	1.8	1.3	1.3	1.1	1.1	.4	.2			127	127		
[illegible]/ 65						.1	.7	1.5	.8	.7	1.2	.4	.6					83	33		
[illegible]/ 63				.1		.4	.4	.5	.2	.1	.2	.2	.1					33	33	1	
[illegible]/ 61				.2		.2	.1	.1	.1	.2								16	16	16	
[illegible]/ 59				.1		.4	.1			.2	.1							13	13	53	
7[illegible]/ 57			.1	.1		.2			.1									6	6	51	8
[illegible]/ 55				.1														1	1	100	9
5[illegible]/ 53																				165	17
[illegible]/ 51																				262	39
4[illegible]/ 49																				267	54
[illegible]/ 47																				216	67
[illegible]/ 45																				165	78
[illegible]/ 43																				91	87
[illegible]/ 41																				42	105
[illegible]/ 39																				4	113
[illegible]/ 37																					103
[illegible]/ 35																					94
[illegible]/ 33																					114
[illegible]/ 31																					95
[illegible]/ 29																					114
[illegible]/ 27																					85

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_n	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1
2

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 46-61 MAY
STATION STATION NAME YEARS MONTH

PAGE [illegible] 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb Dew Point
[illegible] / 4[illegible]																				7[illegible]
[illegible] / 43																				59
[illegible] / 41																				50
[illegible] / [illegible]																				26
[illegible] / 37																				26
[illegible] / 32																				13
[illegible] / [illegible]																				2
[illegible] / 31																				6
TOTAL	.1	.6	1.7	2.2	[illegible].0	5.0	7.8	10.4	[illegible].5	11.9	13.4	10.7	9.6	16.3				1426		1426
																		1426.		1426.

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1496041	42511	29.8	12.669	1426							
Dry Bulb	12638846	133972	93.9	6.055	1426			93.0	93.0	92.2	55.3	93
Wet Bulb	7038025	100001	70.1	4.210	1426			74.3	25.7	2.2		93
Dew Point	4528744	79266	55.6	9.277	1426		.4	12.7	2.2			93

USAFETAC FORM AIR 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41 [illegible] DHAHRAN SAUDI ARABIA 46-61 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 1500-2000
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
110/103																	.1	2	2		
102/101													.1			.1	.1	4	4		
100/ 99											.1		.1		.1	.1	.3	10	10		
99/ 97										.1	.1	.1	.4	.4	.6	.2	.1	20	20		
97/ 95									.3	.4		.2	.7	.4	.6	.6	.3	47	47		
94/ 93							.1	.2	.3	.3	.5	.7	.9	1.1	.6	.3		70	70		
92/ 91						.2	.3	.4	.6	.6	2.0	1.8	1.1	.5	.6	.1		123	123		
91/ 89					.3	.7	.8	1.2	1.1	1.9	2.9	1.9	1.1	.9	.5	.1		191	191		
89/ 87					.5	.9	1.4	1.6	2.3	2.2	2.2	1.1	1.1	.2				197	197		
88/ 86			.1	.3	.4	2.7	1.4	2.9	1.9	2.7	1.5	.6	.5	.2	.1			217	217		
86/ 83			.1	.3	.5	2.3	3.0	2.7	1.9	2.1	1.3	.4	.2	.1				212	212		
83/ 81				.6	1.2	1.9	2.9	1.5	1.6	1.0	.3	.2						104	160	12	1
82/ 79			.2	.5	.4	1.7	.8	1.1	.6	.4	.1							83	83	46	3
79/ 77			.4	.4	1.1	.3	.1	.6	.3	.4								60	60	56	20
78/ 75			.1	.7	.1	.2	.3	.3										24	24	117	29
76/ 73			.1	.1		.1	.1	.1										7	7	142	41
73/ 71							.1											1	1	273	89
72/ 69																				272	106
71/ 67																				158	117
68/ 65																				147	123
66/ 63																				96	132
63/ 61																				34	119
61/ 59																				12	120
60/ 57																				1	114
57/ 55																					97
54/ 53																					68
52/ 51																					68
50/ 49																					55
48/ 47																					37
46/ 45																					32
44/ 43																					22
42/ 41																					13
40/ 39																					8
38/ 37																					2

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM AM 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416 DHAHRAN SAUDI ARABIA 46-61 MAY
STATION STATION NAME YEARS MONTH

PAGE 2 1a.0-23.0
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
0/ 32																					1
33/ 37																					2
TOTAL			.9	7.9	4.4	10.9	11.4	12.8	11.1	11.9	11.0	7.2	6.1	4.1	3.0	1.6	.8		1426		1426
																			1426		1426

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3195030	63986	44.9	15.077	1426							
Dry Bulb	10670406	123140	86.4	5.085	1426			93.0	92.9	85.6	10.5	93
Wet Bulb	7063479	100169	70.2	4.364	1426			74.1	26.9	2.3		93
Dew Point	5396042	86904	60.9	8.373	1426			26.0	6.1	.1		93

USAFETAC FORM AS 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SHAHRAN SAIDI ARABIA 46-61 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 21[illegible]-03[illegible]
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31								
[illegible] / 97														.1		.1	.1	5	5						
[illegible] / 95									.1		.1			.1	.1	.1		7	7						
[illegible] / 93							.1	.1	.1				.1	.1	.2	.1		13	13						
[illegible] / 91								.1	.1		.1	.3	.7	.4	.4	.1	.1	36	36						
[illegible] / 89						.2	.2	.3	.2	.4	.6	1.0	.7	.7	.4	.1		72	72						
[illegible] / 87					.4	.7	.3	.7	1.0	1.3	2.1	1.3	1.0	.8	.1	.1		145	145						
[illegible] / 85			.4	.4	1.3	2.3	1.7	1.3	2.1	2.3	1.6	.9	.7	.7	.1			218	218						
[illegible] / 83			.7	.6	1.7	2.6	2.3	2.1	2.2	1.2	1.3	1.0	.3	.2				222	222						
[illegible] / 81			.1	1.2	2.5	3.7	3.4	2.4	2.1	.8	.7	.5						237	237	7	2				
[illegible] / 79		.1	.2	1.0	2.1	4.0	2.1	1.7	1.4	.7	.7	.1	.1					190	190	41	6				
[illegible] / 77		.1	.4	.7	2.1	1.5	.7	1.0	.4	.2	.1							101	101	42	25				
[illegible] / 75		.1	.4	.7	1.2	1.1	.2	.2	.1	.3								63	63	97	97				
[illegible] / 73			.4	1.0	.3	.5	.3	.4	.3									46	46	156	61				
[illegible] / 71			.1	.1	.2	.3	.1											13	13	191	72				
[illegible] / 69					.1		.1											3	3	206	110				
[illegible] / 67							.1											1	1	201	139				
[illegible] / 65																				141	143				
[illegible] / 63																				116	117				
[illegible] / 61																				85	107				
[illegible] / 59																				46	89				
[illegible] / 57																				19	85				
[illegible] / 55																					91				
[illegible] / 53																					71				
[illegible] / 51																					59				
[illegible] / 49																					45				
[illegible] / 47																					34				
[illegible] / 45																					39				
[illegible] / 43																					29				
[illegible] / 41																					19				
[illegible] / 39																					7				
[illegible] / 37																					12				
[illegible] / 35																					2				
[illegible] / 33																					1				
[illegible] / 31																					4				

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 46-61 MAY
STATION STATION NAME YEARS MONTH

PAGE 2 21.00-27.0
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]																					1
TOTAL	.	.	.3	2.0	5.7	12.2	16.8	12.1	10.6	10.9	7.6	7.3	5.2	3.7	3.2	1.3	.6	.2	13.4	13.4	13.4

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3874464	69004	50.6	16.776	1364							
Dry Bulb	9364111	112943	82.7	4.586	1364			93.0	91.9	72.6	1.7	93
Wet Bulb	6563518	94390	69.2	4.919	1364			66.9	23.4	1.6		93
Dew Point	5186769	83175	61.0	9.180	1364		.3	28.0	8.1	.2		93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41615 DHAHRAN SAUDI ARABIA 61-61 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 ALL
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
114/111																	.0	3			
116/113																	.1	15	13		
113/111																	.0	25	25		
111/109																	.0	52	52		
108/107													.0	.0		.0	.0	79	79		
107/105													.0	.0	.0	.1	1.2	148	148		
105/103											.0	.0	.1	.0	.1	.2	1.3	191	191		
103/101											.0	.1	.1	.2	.3	.6	1.6	310	310		
101/ 99									.0	.0	.1	.1	.2	.4	.6	1.0	1.6	446	446		
99/ 97								.0	.0	.1	.2	.3	.6	.6	.9	1.1	1.2	564	564		
97/ 95								.1	.2	.2	.3	.5	1.0	.9	1.2	.9	.6	648	648		
94/ 93							.1	.1	.2	.4	.6	.7	1.0	1.1	.9	.6	.3	633	634		
92/ 91						.0	.1	.2	.4	.5	.6	1.1	.8	1.0	.9	.3	.1	678	678		
90/ 89					.0	.1	.2	.3	.5	1.1	1.4	1.1	.9	.8	.5	.1	.0	653	653		
88/ 87					.1	.3	.4	.7	1.3	1.2	1.3	.9	.8	.5	.1	.1		585	585		
86/ 85			.1	.1	.2	.3	1.0	1.4	1.1	1.4	1.2	.8	.7	.4	.1			1023	1023		
84/ 83			.2	.2	.3	1.1	1.4	1.6	1.5	1.2	.5	.6	.3	.1	.1			1053	1053	5	
82/ 81		.0	.2	.3	1.0	1.3	1.5	1.6	1.3	.7	.7	.4	.1	.0				1073	1073	64	3
80/ 79		.0	.3	.6	.7	1.9	1.2	1.0	.7	.6	.5	.2	.1					889	889	190	17
78/ 77		.1	.4	.6	1.5	.9	.6	.5	.4	.2	.1	.0	.1	.0				646	646	300	92
76/ 75		.1	.4	.5	.8	.7	.3	.4	.3	.2	.1	.1	.0					454	454	613	120
74/ 73		.0	.2	.5	.4	.2	.2	.2	.2	.1	.0	.0						232	232	1293	238
72/ 71		.1	.2	.1	.3	.1	.2	.1	.1	.1								137	137	1768	390
70/ 69		.1	.2	.0	.1	.0	.1	.1	.0									64	64	2004	577
68/ 67		.0	.0	.0	.0	.0	.1	.1										19	19	1742	692
66/ 65					.0		.0											4	4	1382	761
64/ 63					.1	.0												2	2	840	850
62/ 61																				520	874
60/ 59																				256	851
58/ 57																				123	755
56/ 55																				59	698
54/ 53																				16	469
52/ 51																				1	215
50/ 49																					122

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 47-61 [illegible] MAY
STATION STATION NAME YEARS MONTH

ALL
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 47																					.6
44/ 45																					471
44/ 43																					[illegible]
42/ 41																					[illegible]
40/ [illegible]																					1[illegible]
3[illegible]/ 37																					1[illegible]
[illegible]/ [illegible]																					[illegible]
34/ [illegible]3																					46
[illegible]/ 31																					49
3[illegible]/ 29																					17
2[illegible]/ 27																					[illegible]
26/ 25																					[illegible]
[illegible]/ 23																					[illegible]
TOTAL	.4	.2	.3	.5	.6	.1	.7	.4	.2	.1	.7	.5	.4	.7	.0	.7	.6	.1	.5	.0	.2	11054	11054	11054

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	21783512	4466666	40.4	28.368	11054							
Dry Bulb	8312445	966631	87.4	8.464	11054			743.6	728.8	513.2	208.8	744
Wet Bulb	52767271	761957	68.9	4.719	11054			731.4	160.3	1[illegible]		744
Dew Point	37458115	634253	57.4	9.421	11054		5.7	143.3	31.6	.4		744

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION [illegible] KHAMIS MUSHAIT SAUDI ARABIA [illegible] YEARS [illegible] MONTH

[illegible] HOURS [illegible]

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	TOTAL W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 97													•2		•			4	4			
/ 95												•	•3	•3	•1	1•2	•1	17	17			
94/ 93							•3				•4	•6	•6	•3	•1	1•2	•2	26	26			
/ 91							•	•1	•3	1•3	•	1•2	1•1	•	1•4	•2	•1	115	115			
/ 89						•3	•2	•	•3	2•2	1•	2•2	•2	•1	•	•2		1	1			
/ 87					•1	•2	•6	1•3	2•4	2•2	2•2	1•4	1•2	•1	•1			1	1			
86/ 85		•1	•2	•3	•5	1•4	1•7	1•9	2•3	2•3	2•1	2•1	1•4	•1				223	223			
84/ 83		•2	•3	1•0	1•0	1•4	1•6	2•	2•5	1•7	1•	•	•2					145	145	1		1
/ 81		•9	•9	2•0	1•3	•5	1•1	1•2	1•0	•5	•	•	•1					126	126	1		1
/ 79		•9	•7	1•	•4	•3	•1	•	•7	•7	•2							72	72	4	1	3
78/ 77	•1	•6	•6	•7	1•	•4	•4	•1	•1									57	57	57	37	20
/ 75		•2	•1	•2	•2	•1												12	12	102	4	98
74/ 73				•2			•1											4	4	144	55	89
/ 71						•1												1	1	146	93	53
70/ 69					•1													1	1	214	67	147
/ 67																				167	63	104
66/ 65																				191	77	114
64/ 63																				137	79	58
62/ 61																				45	13	32
/ 59																				7	8	-1
58/ 57																					25	-25
56/ 55																					37	-37
54/ 53																					7	-7
/ 51																					4	-4
50/ 49																					55	-55
48/ 47																					30	-30
46/ 45																					57	-57
44/ 43																					22	-22
42/ 41																					6	-6
40/ 39																					0	0
38/ 37																					1	-1
36/ 35																					6	-6
34/ 33																					4	-4
32/ 31																					2	-2

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41856 DHAHRAN SAUDI ARABIA 41-61 JAN
STATION STATION NAME YEARS MONTH

HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	.1	2.9	3.1	6.7	4.4	4.8	8.	8.11	.311.31	9.9	8.1	4.9	4.7	2.7	.1			1256.	1256.	1256.	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel Hum	2741[illegible]26.	[illegible]5596.	44.519.575		1256							
Dry Bulb	2375[illegible]86.	1[illegible]8492.	86.2 4.945		1256			9[illegible].0	89.9	[illegible]3.2	7.6	9[illegible]
Wet Bulb	1443.7	.7715.	69.7 4.723		1256			57.7	26.[illegible]	2.7		[illegible]
Dew Point	4006257	75[illegible]5.	59.7 10.245		1256		.1	24.2	11.1	.7		9[illegible]

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION [illegible] STATION NAME DHAHRAN SAUDI ARABIA YEARS [illegible] MONTH [illegible]

HOURS [illegible]

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
[illegible]																	•1	1	1		
/ 97																	•1	1	1		
/ [illegible]														•1		•3	•4	[illegible]	[illegible]		
/ [illegible]												•1	•1	•3	•2	•4	•4	[illegible]	[illegible]		
/ 92								•1		•2		•5	•6	•7	1•4	•6	•2	6	[illegible]		
/ 87						•2		•2	•2	1•3	1•3	1•3	1•5	2•	1•7	•3		14	14		
/ 82					•1	•3	•3	•7	2•1	2•3	3•1	1•1	2•5	1•7	•4	•2		15	15		
/ 77				•1	•4	•6	1•1	2•	1•5	2•4	3•1	2•2	1•7	1•4	•1			22	22		
/ 72			•1	•2	•1	1•3	2•1	2•	2•7	3•3	2•	1•2	1•2	•4				11	11		
/ 67		•2	1•0	•2	•7	1•6	1•7	1•2	1•2	1•4	•7	1•	•2					1-2	1-2		
/ 62	•1	•6	•6	1•2	•7	2•1	1•1	1•	1•0	•3	•6		•2					12	12	•1	4
/ 57		•2	•3	•6	•5	•2	•4	•5	•2	•2	•1	•1						3	3	3	
/ 52		•2	•3	•3	•		•2	•3		•1								2	2	3	4
/ 47		•2	•2	•3	•1	•2												1	1	1	14
/ 42			•4																	1	6
/ 37			•1		•1															1	44
/ 32					•2															1	11
/ 27																				1	11
/ 22																				1	34
/ 17																				1	17
/ 12																					
/ 7																					
/ 2																					
-3 / -8																					
-13 / -18																					
-23 / -28																					
-33 / -38																					

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 61-61 JULY
STATION STATION NAME YEARS MONTH

HOURS L.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 33																					4
-/ [illegible]																					1
[illegible]	.1	1.7	3.7	3.[illegible]	3.[illegible]	[illegible].7	[illegible].[illegible]	[illegible].	10.2	11.[illegible]	11.[illegible]	[illegible].[illegible]	[illegible].[illegible]	7.1	4.7	1.6	1.1	1	[illegible]		12[illegible]
																		1244.		1244.	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total
Rel. Hum.	2723554	53[illegible]	42.4	19.[illegible]	12[illegible]							
Dry Bulb	9071739	1[illegible]6701	84.7	4.49[illegible]	1[illegible]6[illegible]			95.0	89.4	79.5	3.2	9[illegible]
Wet Bulb	[illegible]412[illegible]	[illegible]5[illegible]78	67.2	4.9[illegible]	12[illegible]			51.9	17.2	.5		9[illegible]
Dew Point	4217565	7167[illegible]	56.[illegible]	[illegible].[illegible]55[illegible]	1[illegible]6[illegible]		.4	16.9	6.[illegible]	.1		[illegible]

USAFETAC FORM AS 64 0 26 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE (MAC)

PSYCHROMETRIC SUMMARY

[illegible] STATION | SAUDI ARABIA STATION NAME | 46-61 YEARS | JUN MONTH

PAGE 1 | 0600-0900 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																	.1	2	2		
[illegible]													.1			.1	.4	6	6		
[illegible]											.1			.3	.2	.4	.3	25	25		
[illegible]											.1	.4	.6	.7	.8	.9	1.7	75	75		
[illegible]										.4	.6	.8	1.0	1.2	1.7	2.1	1.8	132	132		
[illegible]									.1	.8	1.1	1.1	1.2	2.0	1.7	1.6	.7	141	141		
[illegible]							.1	.2	.6	1.4	1.7	1.4	1.7	2.0	2.5	1.2	.7	227	227		
[illegible]					.1	.1	.4	.2	1.2	2.0	2.2	1.8	2.5	2.0	1.2	.9		227	227		
[illegible]					.4	.3	.4	1.6	2.2	1.3	1.7	1.5	1.8	1.6	.4	.1		152	152		
[illegible]						.2	.7	1.4	1.8	1.4	1.4	1.2	1.1	.7	.3	.1		152	152		
[illegible]			.2	.3	.5	.7	1.1	.7	.9	1.6	1.6	.7	.7	.1	.1			112	112		
[illegible]			.1	.1	.1	.4	.2	.6	.3	.7	.3	.4	.4					60	60	2	
[illegible]		.1	.1	.2	.1	.1	.2	.4	.1	.2	.1							35	35	17	
[illegible]	.1	.1	.1				.1			.1								13	13	32	12
[illegible]																		6	6	65	17
[illegible]																				1[illegible]	1[illegible]
[illegible]			.1	.1														2	2	1[illegible]	25
[illegible]						.1												1	1	1[illegible]	52
[illegible]																				1[illegible]	57
[illegible]																				2[illegible]	62
[illegible]																				1[illegible]	77
[illegible]																				[illegible]	[illegible]
[illegible]																				[illegible]	56
[illegible]																				[illegible]	76
[illegible]																					69
[illegible]																					67
[illegible]																					9
[illegible]																					1[illegible]
[illegible]																					62
[illegible]																					77
[illegible]																					61
[illegible]																					65
[illegible]																					37
[illegible]																					34

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

NAVAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

DHAHRAN SAUDI ARABIA — STATION NAME
43-61 — YEARS
JUN — MONTH
PSYCH — HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≥ / 3																					24
3 / 32																					17
33 / 3																					8
3 / 4																					5
4 / 47																					1
4 / 2																					
TOTAL	.1	.3	.7	.9	1.4	2.0	3.6	5.6	7.5	9.1	11.0	9.4	11.2	12.0	9.6	7.5	6.1		1390	1390	136

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1a17592	45516	33.0	15.146	138							
Dry Bulb	110b9717	123513	69.5	5.140	138			90.0	89.8	87.8	25.0	90
Wet Bulb	6442930	94272	68.2	4.679	138			53.5	16.5	.6		90
Dew Point	4214464	74902	54.3	10.393	138		1.3	11.5	2.8			90

FORM AM 66 0-26-5 (OL A) USAFETAC — REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 46-61 JUN
STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
117/115																	.1	1	1		
114/113																	.1	4	4		
112/111																	1.1	16	16		
110/109																	3.6	54	54		
108/107																.2	6.5	65	65		
106/105															.4	.4	10.3	162	162		
104/103												.1	.2	.6	2.6	10.1	164	194			
102/101										.1	.1	.5	1.0	3.3	3.0	8.9	236	236			
100/ 99										.1	.8	.9	1.8	4.0	4.0	5.9	245	245			
98/ 97									.1	.1	.1	.4	1.7	2.7	2.5	2.6	2.0	171	171		
96/ 95									.1	.3	.5	1.4	1.7	1.8	1.5	.8	.4	121	121		
94/ 93								.1	.1		.4	1.0	.8	1.2	.6	.1	.1	64	64		
92/ 91							.1		.1		.4	.6	.4	.5	.3	.1		32	32		
90/ 89								.1	.1		.2	.2		.1		.1		11	11		
88/ 87									.1		.1			.1				3	3		
86/ 85													.1					1	1		
82/ 81																				4	
80/ 79																				14	
78/ 77																				43	
76/ 75																				111	3
74/ 73																				251	1
72/ 71																				353	11
70/ 69																				323	13
68/ 67																				196	16
66/ 65																				79	36
64/ 63																				25	52
62/ 61																				9	64
60/ 59																					111
58/ 57																					112
56/ 55																					147
54/ 53																					133
52/ 51																					142
50/ 49																					131
48/ 47																					155

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416 DHAHRAN SAUDI ARABIA 48-61 JUN
STATION STATION NAME YEARS MONTH

PAGE 2 0500-1100
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
48/ 45																					22
94/ 43																					69
47/ 41																					61
42/ 39																					35
39/ 37																					34
36/ 32																					24
34/ 28																					9
33/ 31																					4
31/ 29																					6
29/ 22																					1
TOTAL							.1	.1	.6	.4	2.1	4.4	6.1	9.2	13.3	14.2	49.4	1410	1410	1410	1410

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	679579	28968	20.5	7.741	1410			90.0	90.0	90.0	67.0	90
Dry Bulb	14425889	142473	101.0	4.595	1410			82.7	27.0	.4		90
Wet Bulb	7098013	99939	70.9	3.204	1410		.7	2.8	.3			91
Dew Point	3920089	73469	52.1	8.078	1410							

USAFETAC FORM AM 64 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 416[illegible] DHAHRAN SAUDI ARABIA 48-61 JUL
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31							
119/117																	.1				2	2		
116/115																	.3				11	11		
114/113																	2.0				29	29		
112/111																	5.4				78	78		
111/107																.3	9.7				144	144		
108/107														.2		.4	13.8				196	196		
107/105													.2	.1	.6	2.1	17.5				284	284		
104/103													.2	.4	1.3	3.3	11.5				244	244		
102/101											.5	.2	.6	.9	1.7	2.5	6.5				176	177		
100/ 99										.1	.1	.4	.6	1.0	2.3	2.4	2.5				135	135		
98/ 97										.2	.1	.5	.4	1.1	1.1	.9	.5				75	75		
96/ 95							.1			.1	.3	.1	.8	1.0	.5	.2	.1				46	46		
94/ 93											.1	.1	.6	.1	.1	.1	.1				16	16		
92/ 91										.1		.1	.1								3	3		
90/ 89																							5	
88/ 87																							14	
86/ 85																							17	1
84/ 83																							51	
82/ 81																							143	5
80/ 79																							319	7
78/ 77																							398	6
76/ 75																							320	9
74/ 73																							135	21
72/ 71																							34	21
70/ 69																							10	42
68/ 67																							1	57
66/ 65																								74
64/ 63																								103
62/ 61																								139
60/ 59																								149
58/ 57																								147
56/ 55																								131
54/ 53																								151
52/ 51																								119
50/ 49																								
48/ 47																								
46/ 45																								

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_n	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416 DHAHRAN SAUDI ARABIA 46-61 JUL
STATION STATION NAME YEARS MONTH

PAGE 2 12-14
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 43																					7
[illegible] / 41																					61
[illegible] / 39																					52
[illegible] / 37																					46
[illegible] / 35																					17
[illegible] / 33																					7
[illegible] / 31																					3
[illegible] / 29																					2
[illegible] / 27																					2
[illegible] / 25																					1
[illegible] / 21																					1
TOTAL		.1						.4	.5	1.9	3.3	4.6	7.5	12.2	69.4			1440			1439
																		1439		1439	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	526238	25820	17.9	6.721	1439							
Dry Bulb	15743262	150432	104.5	4.422	1440			90.0	90.0	90.0	89.9	90
Wet Bulb	7414509	103201	71.7	3.033	1439			67.2	33.5	1.4		90
Dew Point	3891226	73982	51.4	7.808	1439		.5	2.9	.7	.1		90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AM 64

1 CL[illegible] AL CLIMATOLOGY BRANCH
2 [illegible]STAC
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 41[illegible] DHAHRAN SAUDI ARABIA 46-61 JUN
STATION STATION NAME YEARS MONTH

PAGE 1 15 0-17[illegible]
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31									
11[illegible]/11[illegible]																	.[illegible]	3	[illegible]		
114/112																	.1	1	1		
112/111																	1.[illegible]	[illegible]1	21		
11[illegible]/109																.1	3.[illegible]	55	55		
1[illegible]/107															.[illegible]	.1	6.2	92	9[illegible]		
1[illegible]/10[illegible]														.1	.6	1.1	9.4	156	158		
1[illegible]/1[illegible]3												.1	.4	.5	1.[illegible]	3.0	10.5	225	225		
1[illegible]/101											.1	.[illegible]	.7	2.1	3.0	4.7	6.5	247	247		
1[illegible]/ 99										.1	.[illegible]	.[illegible]	1.2	2.3	4.0	4.3	2.3	217	217		
[illegible]/ 97									.1	.4	.7	1.1	1.6	2.6	2.9	2.3	.7	175	175		
[illegible]/ 95							.1	.1	.2	.5	.[illegible]	.9	1.3	1.4	2.2	.4	.4	115	115		
[illegible]/ 93							.1	.2	.2	.4	.7	.7	1.3	.7	.[illegible]	.2		66	66		
[illegible]/ 91					.1			.[illegible]		.[illegible]	.4	.5	.4	.1	.1			[illegible]7	[illegible]7		
[illegible]/ 89							.1			.1	.3							7	7		
[illegible]/ 87											.[illegible]							1	1		
[illegible]4/ 83																				[illegible]	
[illegible]/ 81																				14	
[illegible]/ 79																				44	3
7[illegible]/ 77																				63	1
76/ 75																				159	6
7[illegible]/ 73																				266	16
[illegible]/ 71																				362	16
7[illegible]/ 69																				318	26
[illegible]/ 67																				136	34
[illegible]/ 65																				[illegible]4	55
[illegible]/ 63																				7	74
[illegible]/ 61																					76
[illegible]/ 59																					97
[illegible]/ 57																					129
56/ 55																					145
54/ 53																					152
[illegible]/ 51																					162
50/ 49																					104
[illegible]/ 47																					83

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41516 DHAHRAN SAUDI ARABIA 46-61 JUN
STATION STATION NAME YEARS MONTH

PAGE 12:0-17:0
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
47/ 45																					7
44/ 43																					57
42/ 41																					20
41/ 39																					12
39/ 37																					10
36/ 35																					3
34/ 33																					1
32/ 31																					1
30/ 29																					2
TOTAL		.1	.3	.5	.6	1.5	3.2	4.9	6.9	9.6	14.8	16.2	41.5					141			141
																		1410		1410	

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	307938	31516	22.4	8.571	1410							
Dry Bulb	14476715	142731	101.2	4.480	1410			90.0	90.0	90.0	87.8	90
Wet Bulb	7314140	101449	71.9	3.275	1410			67.4	35.3	2.0		9
Dew Point	4280763	76869	54.5	7.096	1410		.2	6.5	1.7	.1		5

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4[illegible]41[illegible] DHAHRAN SAUDI ARABIA 41-61 JUN
STATION STATION NAME YEARS MONTH

PAGE 1 1[illegible]-2[illegible]
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
108/107																	.1	1	1		
106/105																	.1	1	1		
104/103											.1					.3	.7	15	15		
102/101										.1				.1	.3	.7	1.7	36	36		
100/99											.1	.1	.5	.3	.9	1.5	1.3	63	63		
98/97								.1	.3	.1	.7	.5	1.5	2.3	2.9	1.9	.7	151	151		
96/95								.1	.7	.3	1.7	2.3	3.2	4.6	3.4	1.3	.1	235	235		
94/93					.1	.1	.4	.5	.9	1.5	2.4	3.6	2.6	2.6	.7	.5	.1	274	274		
92/91				.1	.1	.3	.3	.7	1.7	1.8	3.6	3.5	1.3	1.0	.3			217	217		
90/89				.2	.6	.2	1.2	2.4	1.4	2.6	3.6	1.9	.9	.4	.1			236	236		
88/87			.1	.3	.4	1.1	1.3	.7	1.5	1.3	.9	.3	.3	.1	.1			191	191		
86/85				.3	1.1	.9	.2	.9	.6	.4	.3							65	65	2	
84/83				.4	.3	.6	.3	.3	.1	.1								52	54	15	1
82/81		.1					.1											3	3	32	1[illegible]
80/79																				7[illegible]	1[illegible]
78/77																				74	35
76/75																				153	47
74/73																				277	47
72/71																				319	45
70/69																				286	72
68/67																				154	73
66/65																				59	92
64/63																				19	112
62/61																				3	134
60/59																					144
58/57																					142
56/55																					136
54/53																					92
52/51																					74
50/49																					53
48/47																					33
46/45																					26
44/43																					14
42/41																					12

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 4 1 6 — DHAHRAN, SAUDI ARABIA — 4[illegible]-61 — [illegible]
STATION — STATION NAME — YEARS — MONTH

FAC[illegible] — 1[illegible]
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																					5
[illegible]																					4
[illegible]	.1	.1	1.3	2.8	3.8	4.2	5.4	7.1	8.6	12.0	11.1	12.1	11.6	11.4	8.7	6.0	4.6	1[illegible]		14[illegible]	
																		1439		1437	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2217139	92403	36.3	14.497	1439							
Dry Bulb	12460589	133905	92.9	4.364	1441			9[illegible].0	9[illegible].3	90.7	47.9	8[illegible]
Wet Bulb	7524858	103996	72.2	4.[illegible]47	1439			8[illegible].9	37.3	5.3		9[illegible]
Dew Point	5404978	87302	60.7	8.686	1439			2[illegible].8	9.9	1.2		9[illegible]

USAFETAC FORM AM 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

NAVAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SAUDI ARABIA 61-67 JUN
STATION STATION NAME YEARS MONTH

PART [illegible] 21[illegible]-22[illegible]
HOURS [illegible]

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31														
/ 97													.2	.	.4	.6	.											[illegible]	[illegible]		
/ [illegible]									.1		.2	.7	.3	1.7	1.6	1.3	.											[illegible]	[illegible]		
/ [illegible]						.1		.7	.7	.1	1.2	1.7	1.0	1.5	.9	1.7	.											14[illegible]	14[illegible]		
/ 91							.1	.8	.9	1.8	1.7	2.1	2.3	2.0	1.7	1.9	.1											137	137		
/ 87					.1	.7	.5	1.5	1.4	2.7	2.5	2.7	2.2	1.1	.3													111	111		
/ 87			.1	.2	1.1	1.1	1.2	1.1	2.9	2.1	2.1	2.7	1.4	.2														[illegible]22	[illegible]2[illegible]		
/ 81		.1	.5	1.2	1.4	1.5	1.7	2.1	2.4	1.4	1.1	.5	.1															127	127	1	
/ [illegible]		.3	.1	1.1	1.1	1.4	1.[illegible]	1.[illegible]	1.4	.8	.2	.3	.1															133	133	4	1
/ 81		.2	1.0	.7	1.1	.5	1.2	.4	.2			.1																75	75	26	[illegible]
/ 7[illegible]		.2	.3	.4	.7	.5	.1		.2																			33	33	[illegible]1	[illegible]
77 / 77		.2	.2	.1	.2	.2																						17[illegible]	17[illegible]	35	[illegible]2
[illegible] / 7[illegible]																												[illegible]	[illegible]	1[illegible]1	[illegible]
76 / 73																												[illegible]	[illegible]	1[illegible]	[illegible]2
[illegible] / 71																												[illegible]	[illegible]	1[illegible]3	[illegible]1
7[illegible] / 6[illegible]																												[illegible]	[illegible]	[illegible]1[illegible]	
[illegible] / 67																												[illegible]	[illegible]	17[illegible]	[illegible]
[illegible] / [illegible]																												[illegible]	[illegible]	1[illegible]5	1[illegible]2
[illegible] / [illegible]																												[illegible]	[illegible]	[illegible]7	[illegible]9
[illegible] / 61																												[illegible]	[illegible]	1[illegible]3	1[illegible]1
[illegible] / [illegible]																												[illegible]	[illegible]	[illegible]4	[illegible]6
[illegible] / [illegible]																												[illegible]	[illegible]	[illegible]	[illegible]5
[illegible] / [illegible]																												[illegible]	[illegible]	[illegible]	[illegible]3
[illegible] / [illegible]																												[illegible]	[illegible]	[illegible]	[illegible]1
[illegible] / [illegible]																												[illegible]	[illegible]	[illegible]	[illegible]3
[illegible] / 47																												[illegible]	[illegible]	[illegible]	[illegible]9
[illegible] / 45																												[illegible]	[illegible]	[illegible]	3[illegible]
[illegible] / 43																												[illegible]	[illegible]	[illegible]	2[illegible]
[illegible] / 41																												[illegible]	[illegible]	[illegible]	[illegible]1
[illegible] / [illegible]																												[illegible]	[illegible]	[illegible]	11
[illegible] / [illegible]																												[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / [illegible]																												[illegible]	[illegible]	[illegible]	[illegible]1
[illegible] / [illegible]																												[illegible]	[illegible]	[illegible]	[illegible]1
[illegible] / [illegible]																												[illegible]	[illegible]	[illegible]	[illegible]1

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AUG 64

2

...AL CLIMATOLOGY BRANCH
...AFETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

...STATION ...HARMAN SAUDI ARABIA STATION NAME 4...61 YEARS ... MONTH

...HOURS (L.S.T.)

Temp °F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
...	1.2	3.0	3.7	5.4	6.5	6.	6.7	5.6	8.21	4.1	1.6	1.4	6.7	6.2	4.2	1.		1.2	1.2	1.2	1.2

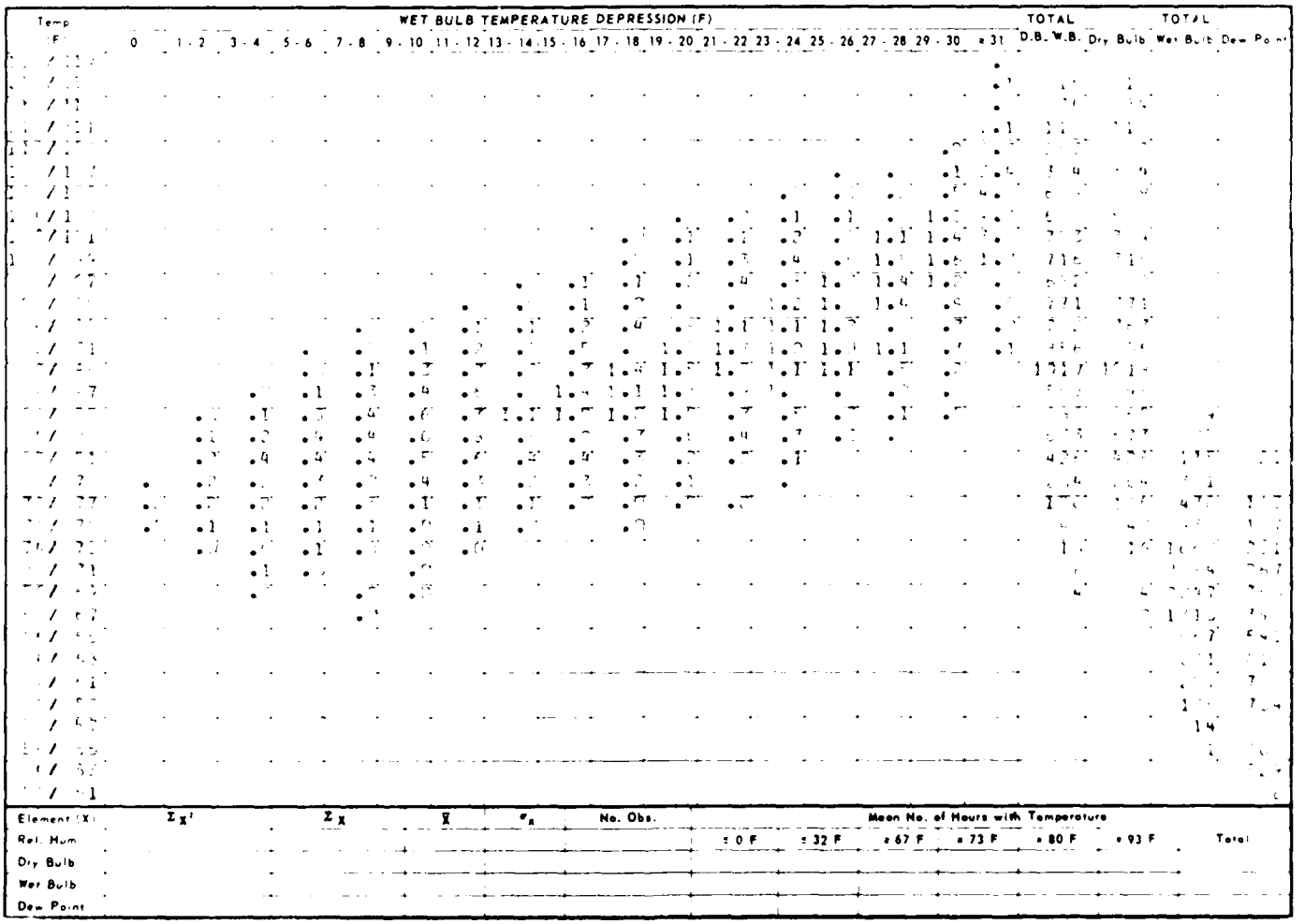
Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum	2913327	56.01	43.21	8.45	1320							
Dry Bulb	1 353751	116.67	08.5	4.31	1720			9...9	90.0	69.4	17.2	9...
Wet Bulb	669613	93.14	71.1	4.61	1720			73.5	33.3	4.2		5...
Dew Point	5029959	81395	63.91	8.66	1320		.1	37.1	12.8	1.2		9...

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH | HOURS



Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A)

2

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | [illegible] SAUDI ARABIA STATION NAME | [illegible] YEARS | [illegible] MONTH | [illegible] HOURS L.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ [illegible]																					[illegible]
/ [illegible]																					[illegible]
/ [illegible]																					[illegible]
/ [illegible]																					[illegible]
/ [illegible]																					[illegible]
/ [illegible]																					[illegible]
/ [illegible]																					[illegible]
/ [illegible]																					[illegible]
/ [illegible]																					[illegible]
/ [illegible]																					[illegible]
/ [illegible]																					[illegible]
/ [illegible]																					[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	32.117	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	93.9	[illegible]	[illegible]			720.0	719.1	700.1	377.7	
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			582.0	229.8	17.7		
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		7.1	111.[illegible]	44.2	3.2		

USAFETAC FORM 0-26-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 SPECIAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] DHAHRAN SAUDI ARABIA 47-61 JUL
STATION STATION NAME YEARS MONTH

[illegible] [illegible]
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																.1		.	[illegible]		
[illegible]															.1			1	1		
[illegible]															.1	.5	.1	6	[illegible]		
[illegible]												.4	.2	.3	.6	.7	.2	24	31		
[illegible]								.1			.6	.6	1.1	1.7	.9	.6	.1	72	72		
[illegible]							.1	.1	.3	.6	1.2	.9	1.5	.7	1.1	.4	.1	112	112		
[illegible]			.2	.6	.6	.7	.4	.6	.9	1.1	[illegible]	[illegible]	1.2	1.4	.5			163	163		
[illegible]		.6	1.3	1.1	1.7	1.5	[illegible]	1.7	1.7	1.5	[illegible]	[illegible]	1.5	.7	.1	.1		255	255	[illegible]	[illegible]
[illegible]		.6	2.7	3.4	1.7	1.4	1.[illegible]	1.7	1.[illegible]	[illegible]	3.3	3.[illegible]	1.[illegible]	.5	.1			3[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.7	1.2	2.4	1.1	2.2	1.6	1.[illegible]	1.4	1.2	1.7	.8	.1					249	[illegible]	[illegible]	[illegible]
[illegible]		.7	1.9	1.4	.7	.6	.7	.6	.6	.4	.1	.1						119	119	96	68
[illegible]		.1	.7	.3	.2	.3	.4	.1	.2		.1							44	44	[illegible]	80
[illegible]		.1	.1	.1			.1	.1										5	5	123	115
[illegible]																				[illegible]	89
[illegible]																				11[illegible]	55
[illegible]																				1[illegible]	43
[illegible]																				1[illegible]	56
[illegible]																				2[illegible]	66
[illegible]																				1[illegible]	57
[illegible]																				1[illegible]	76
[illegible]																				[illegible]	6[illegible]
[illegible]																				6	77
[illegible]																				2	[illegible]
[illegible]																					[illegible]
[illegible]																					91
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					55
[illegible]																					53
[illegible]																					[illegible]
[illegible]																					7
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					3

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0 26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AUG 84

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CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] DHAHRAN SAUDI ARABIA 47-61 JUL
STATION STATION NAME YEARS MONTH

PAGE 2 GMT+03.0
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																					1
[illegible]																					2
TOTAL	3.1	1.1	2.8	5.4	[illegible]	6.2	[illegible]	6.5	7.1	11.4	9.7	6.5	4.5	3.[illegible]	2.4	.4		1392	1393	1392	1393

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4382547	71711	51.5	22.244	1392							
Dry Bulb	10995045	123643	89.8	3.234	1393			93.0	93.0	93.0	15.3	93
Wet Bulb	7703070	103190	74.1	6.151	1392			83.6	49.4	23.7		93
Dew Point	6267698	92920	66.1	11.520	1392			44.2	32.3	15.4		93

USAFETAC FORM 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
2 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN, SAUDI ARABIA 47-61 JUL
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0530
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]/101															.1			2	2		
1[illegible]/ 98																	.1	1	1		
[illegible]/ 97													.3	.1	.2	.3	.3	14	14		
[illegible]/ 96												.1	.5	.7	.4	1.1	.3	47	47		
[illegible]/ 95							.1		.2	.5	.6	.7	1.0	.9	1.7	1.0	.1	94	94		
[illegible]/ 94				.1	.4	.4	.3	.2	1.0	1.1	2.9	1.9	1.1	2.3	2.5	.6		194	194		
[illegible]/ 93			.3	.4	1.3	.8	.4	2.5	.8	1.6	1.9	1.4	2.2	2.6	.7	.1		230	230		
[illegible]/ 92		.9	1.6	1.4	1.1	.9	1.1	.7	1.7	2.3	2.6	3.6	1.9	1.4	.2	.1		308	308		
[illegible]/ 91	.1	1.1	2.2	1.7	.8	.9	1.6	1.7	1.9	2.1	2.7	1.1	1.9	.7				291	291	25	6
90/ 90		1.1	1.3	.6	.9	.6	.6	.4	1.3	.9	.7	.4	.2	.1				129	129	72	51
89/ 89		.6	.8	.7	.7	.2	.5	.1	.3	.1	.1	.1						55	55	89	73
[illegible]/ 88		.4	.4	.2	.2	.1	.1	.1	.1									24	24	77	63
87/ 87	.1	.1	.1															3	3	75	73
[illegible]/ 86																				141	48
85/ 85																				155	34
84/ 84																				116	23
83/ 83																				153	65
[illegible]/ 82																				162	58
81/ 81																				155	55
[illegible]/ 80																				145	62
79/ 79																				43	52
[illegible]/ 78																				10	74
77/ 77																				1	55
[illegible]/ 76																					63
[illegible]/ 75																					65
[illegible]/ 74																					72
[illegible]/ 73																					67
[illegible]/ 72																					71
[illegible]/ 71																					65
[illegible]/ 70																					62
[illegible]/ 69																					59
[illegible]/ 68																					53
[illegible]/ 67																					47

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM AM 64 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41E — DHAHRAN SAUDI ARABIA — 47-61 — JUL
STATION — STATION NAME — YEARS — MONTH

PAGE 2 — 0300-0500
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
84/83																					3
84/81																					4
84/80																					1
TOTAL	1.	4.	3.	5.	5.	4.	7.	3.	9.	4.	6.	5.	5.	7.	3.	8.	7	10.	7.	9.	5.	5.	9.	8.	3.	5.	5.	3.	2.	5.		1392		1392
																				1392		1392	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3658939	63747	45.8	23.002	1392							
Dry Bulb	1090148	122514	88.0	3.664	1392			93.0	93.0	92.1	10.6	93
Wet Bulb	7180509	99561	71.5	6.542	1392			66.8	37.9	15.7		93
Dew Point	5483612	85530	61.4	12.811	1392		.3	33.4	23.0	10.5		93

USAFETAC FORM 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41 [illegible] DHAHRAN SAUDI ARABIA 48-61 JUL
STATION STATION NAME YEARS MONTH

PAGE 1 [illegible]-0600
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 103																	.1	2	2		
1 4 / 103																.2	.4	11	11		
1 2 / 101															.3	.7	.4	19	19		
1 [illegible] / 99										.3	.1	.7	.3	.6	.8	1.2	1.3	44	44		
[illegible] / 97							.1	.2	.1	.2	.2	.4	.7	1.5	2.1	1.5	2.2	145	145		
[illegible] / 95						.4	.4	.3	.6	.8	1.1	1.7	1.3	1.3	2.3	2.4	1.4	275	275		
[illegible] / 93					.5	.5	.5	.6	.4	1.0	1.4	1.7	1.9	2.4	1.3	2.2	.9	215	215		
[illegible] / 91			.1	.6	1.4	.7	.6	.4	1.1	1.7	1.4	1.6	1.9	3.	2.1	.6	.4	256	256		
[illegible] / 89			.2	1.2	1.1	.5	.3	1.2	.5	1.1	1.2	1.7	1.9	1.3	1.3	.2		213	213		
[illegible] / 87		.4	.5	.5	.6	.4	.5	.4	.6	.9	1.1	1.3	1.5	1.3	.5	.1		157	157	6	
[illegible] / 85	.1	.6	.7	.5	.2	.4	.4	.2	.2	.2	.4	.5	.4	.6	.1			94	94	49	9
[illegible] / 83		.1	.4	.2	.2	.1	.1	.2	.1	.1	.2	.3	.1	.1				33	33	74	37
[illegible] / 81	.1	.1	.1	.1	.1		.2	.2		.1	.1		.1					15	15	64	70
[illegible] / 79		.1																2	2	68	49
7 / 77																				76	34
[illegible] / 75																				86	86
7[illegible] / 73																				155	35
[illegible] / 71																				143	37
[illegible] / 69																				172	45
[illegible] / 67																				191	47
[illegible] / 65																				174	51
[illegible] / 63																				115	66
[illegible] / 61																				75	73
[illegible] / 59																				22	63
[illegible] / 57																				2	52
[illegible] / 55																					31
[illegible] / 53																					92
[illegible] / 51																					97
[illegible] / 49																					75
[illegible] / 47																					71
[illegible] / 45																					65
44 / 43																					67
[illegible] / 41																					39
[illegible] / 39																					40

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM AM 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

41617 DHAHRAN SAUDI ARABIA 46-61 JUL
STATION STATION NAME YEARS MONTH

PAGE 2 0600-1800
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.=W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
90/ 94																					1
86/ 89																					11
84/ 85																					1
82/ 83																					1
80/ 81																					1
78/ 79																					1
TOTAL	.1	1.3	2.4	3.1	4.2	3.7	3.3	4.6	7.9	6.1	9.6	9.8	9.6	12.4	10.7	9.2	7.1	1424		1424	1424
																			1424		

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2459962	524284	36.82	20.009	1424							
Dry Bulb	12130724	131284	92.2	4.368	1424			92.0	93.0	92.9	43.4	93
Wet Bulb	7331930	101750	71.5	6.575	1424			69.0	35.9	14.4		93
Dew Point	5173538	83772	58.8	13.131	1429		.6	26.3	17.6	9.2		93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] DHAHRAN SAUDI ARABIA 46-61 JUL
STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]/110																	.1	1	1		
[illegible]/105																	.2	5	5		
[illegible]/100																	1.0	15	15		
[illegible]/095																.1	2.5	38	38		
[illegible]/090											.1				.1	.5	6.5	14	104		
[illegible]/085											.1		.1	.3	.4	.4	9.5	161	161		
[illegible]/080										.1	.1	.2	.5	1.1	1.4	3.0	10.5	248	248		
[illegible]/075									.1	.4	.5	.1	1.6	1.4	2.5	3.2	6.1	262	262		
[illegible]/070								.1	.6	.4	.5	1.1	1.5	2.2	2.5	2.5	4.6	235	235		
[illegible]/065							.2	.3	.5	.8	1.3	1.6	1.9	1.5	2.6	1.5	2.7	221	221		
[illegible]/060							.2	.2	.4	1.0	.6	.6	1.1	.7	.5	.4	.5	152	152		
[illegible]/055					.1	.3	.2	.2	.5	.1	.3	.3	.2	.2	.1		.1	43	43		
[illegible]/050						.2	.2	.1		.1	.3	.1	.1					17	17		
[illegible]/045										.1		.1	.1					3	3		
[illegible]/040												.1						1	1	2	
[illegible]/035													.1					1	1	11	
[illegible]/030																				44	4
[illegible]/025																				60	8
[illegible]/020																				79	23
[illegible]/015																				106	41
77/010																				142	64
[illegible]/005																				223	88
-4/000																				258	96
[illegible]/-05																				259	42
[illegible]/-10																				147	49
[illegible]/-15																				104	62
[illegible]/-20																				34	71
[illegible]/-25																				4	>9
[illegible]/-30																				2	>4
[illegible]/-35																					>4
[illegible]/-40																					100
[illegible]/-45																					119
[illegible]/-50																					134
[illegible]/-55																					67

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A1) 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[ ] STATION CHARAN KALOI AFB, LA STATION NAME 45-61 YEARS JUL MONTH

PAGE 2 0600-1100 HOURS (L. S. T.)

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 ≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 98					93
/ 97					73
/ 96					56
/ 95					42
/ 94					41
/ 93					31
/ 92					24
/ 91					9
/ 90					4
/ 89					1
/ 88					2
TOTAL	.1 .2 1.6 1.7 2.4 3.0 3.2 4.7 7.2 7.5 10.4 11.4 15.6 .3	1457	1457	1457	1457

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1108252	36126	24.79	12.221	1457							
Dry Bulb	155843.7	150563	103.3	4.183	1457			93.0	93.0	93.0	92.7	93
Wet Bulb	3109655	108473	74.4	8.924	1457			90.4	57.9	14.9		93
Dew Point	5096180	84669	58.1	10.495	1457		.2	20.5	10.7	3.8		93

FORM AA 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 48-81 JUL
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
118/117																					
116/115																	.1 1.4	22	22		
114/113																	5.2	40	41		
112/111													.1	.1	.1	.3	7.6	123	123		
110/109													.	.1	.2	1.1	13.	230	230		
108/107											.1	.1	.2	.5	1.3	2.0	14.9	240	240		
106/105										.1	.3	.4	.7	2.1	2.4	4.3	10.1	375	378		
104/103									.2	.5	1.1	.8	1.5	2.3	2.6	3.8	3.6	229	229		
102/101							.1	.3	.5	1.0	.5	.5	.9	.6	1.9	.7	1.7	175	135		
100/ 99							.2	.7	.5	.5	.7	.5	.7	.5	.1	.1		66	66		
98/ 97							.1	.4	.1	.5	.5	.1	.2	.1	.1			27	27		
96/ 95							.1			.1	.1	.1	.2	.1				13	13		
94/ 93												.1						1	1		
92/ 91																				2	
90/ 89																				15	
88/ 87																				51	3
86/ 85																				56	6
84/ 83																				74	15
82/ 81																				105	36
80/ 79																				194	31
78/ 77																				302	33
76/ 75																				317	38
74/ 73																				253	45
72/ 71																				112	56
70/ 69																				72	62
68/ 67																				2	90
66/ 65																					92
64/ 63																					106
62/ 61																					132
60/ 59																					116
58/ 57																					113
56/ 55																					104
54/ 53																					115
52/ 51																					72
50/ 49																					

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | [illegible] SAUDI ARABIA STATION NAME | 46-61 YEARS | JUL MONTH

PART [illegible] HOURS (L.S.T.) 12-14-15

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]/47																					55
[illegible]/45																					53
46/43																					44
46/41																					35
[illegible]/39																					27
[illegible]/37																					-
[illegible]/35																					-
34/33																					1
32/31																					1
TOTAL	.5	1.1	1.4	2.7	3.2	2.1	4.6	5.7	9.7	11.2	56.5							1428	1428	1428	1428

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	254567	34229	23.9	[illegible].542	1428							
Dry Bulb	16836221	151175	106.3	3.958	1428			93.0	92.0	92.0	92.0	93
Wet Bulb	9536929	112525	75.6	4.301	1428			92.9	71.2	10.6		93
Dew Point	5323348	87726	59.0	10.291	1428		.1	22.3	10.1	2.6		93

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 CLIMATOLOGY BRANCH
2 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41015 DHAHRAN SAUDI ARABIA 46-61 JUL
STATION STATION NAME YEARS MONTH

FACT 1 15 0-17 00
HOURS L.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B. Dry Bulb	TOTAL Wet Bulb	Dew Point
110/111																	.1	1	1	
110/111																	.1	1	1	
108/109																	.1	4	4	
106/107															.1		1.4	21	21	
104/105														.1	.1	.1	4.5	69	69	
102/103												.1	.3	.1	.7	1.3	3.2	156	156	
100/101										.1	.1	.5	.2	.3	1.7	4.5	7.3	232	232	
98/99								.1	.2	.4	.3	.4	1.7	2.3	3.1	3.3	4.3	267	267	
96/97						.2	.1	.5	.8	1.0	1.1	2.0	2.1	3.5	3.6	2.6	3.5	257	257	
94/95							.6	.3	1.2	.8	1.2	2.0	1.7	2.1	2.1	1.4	.5	202	202	
92/93						.3	.6	1.3	.8	1.1	1.0	.3	1.0	1.3	.7	.1	.1	134	134	
90/91						.2	.4	.2	.1	.2	.1	.5	.1	.1	.1			91	91	
88/89					.1	.1	.2	.1	.1		.1	.1	.2	.1				18	18	
86/87					.1			.1	.1									7	8	1
84/85											.1							1	1	7
82/83																				
80/81																			24	7
78/79																			56	
76/77																			4	31
74/75																			2	
72/73																			4	46
70/71																			2	43
68/69																			1	64
66/67																			8	73
64/65																			2	62
62/63																				21
60/61																				1
58/59																				12
56/57																				12
54/55																				12
52/53																				11
50/51																				5
48/49																				2

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_s	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] AL CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]41[illegible]	DHAHRAN SAUDI ARABIA	4[illegible]-61	JUL

HOURS (L.S.T.): 1[illegible]-17[illegible]

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
TOTAL																		1457	1457	1457	1457

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	147[illegible]6[illegible]	[illegible]16	2[illegible]	12.7[illegible]	1457							
Dry Bulb	1[illegible]406242	147718	10[illegible]	[illegible]	1457			9[illegible]	9[illegible]	93.[illegible]	92.7	[illegible]
Wet Bulb	[illegible]533045	111[illegible]	76.[illegible]	4.[illegible]	1457			[illegible]	73.7	[illegible]3		[illegible]
Dew Point	[illegible]87[illegible]	91[illegible]	62.[illegible]	[illegible]	1457			29.[illegible]	17.3	[illegible]		[illegible]

USAFETAC FORM JUL 64 0 26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 [illegible] CLIMATOLOGY [illegible]

2 [illegible]

PSYCHROMETRIC SUMMARY

STATION [illegible] STATION NAME [illegible] YEARS [illegible] MONTH

HOURS [illegible]

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31															
[illegible]																															
14 4																															

Element X	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	44.3	16.[illegible]	1464							
Dry Bulb	1347[illegible]	141[illegible]	95.1	[illegible].35	1484			[illegible].0	9[illegible].[illegible]	5[illegible].	[illegible].	
Wet Bulb	[illegible]	1141[illegible]	76.[illegible]	4.274	1464			[illegible].2	7[illegible].[illegible]	[illegible].7		
Dew Point	7054[illegible]	1[illegible]3[illegible]	69.[illegible]	9.413	1464			51.1	3[illegible].6	1[illegible].		

USAFETAC FORM AWS 0-26-5 (OL-A) [illegible]

2

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/													.1		.1	.1	.	7	7		
/														..	.4	.1	..	15	25		
/								.			.1	.2	.5	1.1	1.4	.6	.2	66	66		
/					.1	.1	..	.1	.2	.2	1..	1.2	1.7	2.1	..	.6	.1	113	128		
/				.4	.7	1.0	.6	..	1..	1.1	.5	1.5	1.7	1.1	.4	.1	.1	143	147		
/			.7	1.7	2.6	1.7	1.2	1.1	1.5	2.7	2.1	2.7	1.2	..	.1			246	244		
/		.4	1.5	2.6	2.7	2.7	2.1	3.6	1.3	2.1	1.1	1.3	.7	.7	.1			331	331		
/		.1	1..	2.6	2.7	1.3	2..	1.2	1.6	.4	1...	.9	.1	.1				226	232	..	3
/		..	1.2	1..	1.4	1.1	.3	.2	.2	.4	..	.1	.1					111	113	7	3
/		.6	.4	.4	.4	.2	.2	.4	.1		.1							35	35	12	22
/		.1	.2	.2		.1		.2										6	6	181	112
/																				12	12
/		.1																1	1	11	1
/																				15	24
/																				142	66
/																				17	49
/																				12	7
/																				7	6
/																				4	1
/																				11	12
/																					17
/																					2
/																					7
/																					6
/																					4
/																					27
/																					1
/																					4
/																					
/																					
/																					
/																					1

Element X	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Hr. Max.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC

2

[illegible] CLIMATOLOGY BRANCH
USAFETAC
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | THAMAR BAGDI ARABIA STATION NAME | 61-61 YEARS | JUL MONTH

[illegible] HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] TAL		1.4	5.3	[illegible]	11.7	9.2	7.6	8.2	5.8	7.2	[illegible]	7.7	[illegible]	5.[illegible]	3.4	1.[illegible]	1.[illegible]	1424	[illegible]	1424	1424

Element X	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel Hum	4463127	74[illegible]	52.1[illegible]	[illegible].417	1424							
Dry Bulb	11768944	12[illegible]	9[illegible].3	[illegible].94	1424			93.0	83.1	92.9	27.3	93
Wet Bulb	[illegible]296019	1[illegible]	74.1	[illegible].46	1424			60.5	53.3	3[illegible].6		93
Dew Point	6561929	[illegible]1711	63.7[illegible]	[illegible].97	1424			52.9	39.2	19.4		93

USAFETAC FORM 0-26-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

...AL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4... SHAHRAN SAUDI ARABIA — 4...-61 — JUL
STATION — STATION NAME — YEARS — MONTH

PAGE 1 — ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
3 / 110																	.1	6	6		
1 / 11																	.2	26	26		
/ 11																	.6	67	67		
1 / 111													.1	.2	.2	.2	1.5	152	152		
1 / 1											.1		.2	.5	.9	.2	3.2	473	473		
/ 1											.4	.8	.1	.2	.3	.5	4.2	697	697		
/ 1										.2	.1	.2	.3	.5	.7	1.5	3.7	797	797		
/ 1								.4	.1	.2	.3	.3	.6	.8	1.2	1.4	2.2	892	892		
/ 1						.1	.3	.4	.2	.3	.3	.5	.7	1.0	1.2	.9	1.3	763	763		
/ 9						.1	.3	.4	.3	.4	.6	.7	.8	.9	1.0	.7	.8	751	750		
/ 97						.1	.2	.4	.3	.5	.6	.6	.9	1.0	.8	.6	.4	752	752		
/ 9					.1	.4	.5	.6	.5	.5	.6	.8	.9	1.0	.7	.6	.2	872	873		
/ 93				.1	.2	.5	.5	.6	.5	.7	1.1	.9	1.0	.7	.6	.4	.1	941	941		
/ 91			.2	.4	.6	.7	.5	.6	.7	1.1	1.2	1.3	.7	.9	.6	.1	.1	1162	1163	1	
/ 9		.1	.4	.5	.6	.8	.7	1.2	.6	.9	.9	.8	.7	.6	.3	.1		1128	1128	14	
/ 87		.3	.2	1.0	.9	.6	.7	.5	.7	.7	1.0	.5	.5	.2	.1	.2		1037	1037	136	17
/ 85	.1	.4	1.0	.8	.4	.5	.5	.5	.5	.5	.6	.7	.3	.1	.0			752	755	485	12
/ 83		.3	.5	.3	.3	.2	.2	.2	.2	.2	.2	.1	.0	.0				316	316	716	337
/ 81	.0	.2	.2	.1	.1	.1	.1	.1	.1	.1	.0	.0						170	170	615	477
/ 79		.1	.1	.0	.0	.0	.0	.0	.0									71	71	576	571
7 / 77	.3	.1	.0															4	4	1167	485
/ 75																				1436	433
4 / 73																				1676	378
/ 71																				1385	421
/ 69																				1140	524
/ 67																				765	529
/ 65																				548	550
/ 63																				374	625
/ 61																				173	697
/ 59																				74	742
/ 57																				5	759
/ 55																					766
/ 53																					629
/ 51																					556

Element (X)	Σx'	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 — REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 41 C — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
JUL — MONTH
PAGE
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	12-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31				
/ 49																					445
/ 47																					37
/ 45																					1
/ 43																					233
/ 41																					173
/ 39																					121
37 / 37																					76
/ 35																					43
34 / 33																					17
/ 31																					14
/ 29																					2
/ 27																					1
TOTAL	.7	1.2	3.2	3.5	4.1	3.9	4.1	5.9	4.5	5.1	7.5	7.6	7.6	3.1	7.6	7.2	16.4	11525		11513	
																		11516		11519	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	41723	447693	38.9	20.954	11519							
Dry Bulb	1070022	11 6463	96.6	7.788	11525			744.0	744.0	743.0	450.0	744
Wet Bulb	84514354	859302	74.6	5.272	11519			679.6	466.2	167.0		744
Dew Point	47152593	724211	62.9	11.948	11519		1.4	277.9	182.0	80.4		744

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] DHAHRAN SAUDI ARABIA 47-61 AUG
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0200
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
120/121															.1			1	1		
114/115												.1	.1	.1	.2		.1	5	9		
112/113											.1	.2	.1	.2	.1	.1	.1	15	15		
110/111					.1	.1	.1		.1	.1	.1	.8	.4	.2	.3	.1		39	39		
108/109				.1	.7	.2	.1	.2	.7	.4	.9	.6	.	.2				73	78		
106/107			.1	.4	1.3	.6	.3	.4	.9	1.2	1.1	.9	.9	.9	.1	.1		129	129		
104/105		.1	.9	3.2	1.7	.9	.9	1.4	1.1	1.6	1.1	.9	.8	.3		.1		204	204		
102/103		1.3	3.0	2.7	2.5	2.0	2.2	2.2	2.3	1.6	1.7	.6	.4					316	316	5	1
100/101		3.4	4.1	3.2	2.3	2.9	2.5	2.3	1.1	.9	.6	.1						381	382	71	29
98/99	.3	1.6	3.1	1.7	1.3	1.4	.9	.6	.5	.2	.1							161	161	196	96
96/97		.9	1.6	.9	.9	.6	.4	.1	.2	.1								91	81	173	172
94/95		.2	.4	.1	.1	.2	.1											16	16	145	144
92/93					.1	.1												2	2	126	109
90/91																				173	84
88/89																				157	75
86/87																				139	74
84/85																				92	54
82/83																				52	63
80/81																				33	7
78/79																				11	63
76/77																				1	35
74/75																				1	5
72/73																					41
70/71																					33
68/69																					21
66/67																					21
64/65																					10
62/63																					12
60/61																					3
58/59																					4
56/57																					1
54/55																					1
52/53																					4

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

9 41[illegible] DHAHRAN SAUDI ARABIA 47-61 [illegible] JUN
STATION STATION NAME YEARS MONTH

[illegible] [illegible]
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]	.3	7.8	15.1	12.1	.4	.3	7.5	7.1	6.4	6.4	5.7	4.6	3.5	2.7	1.7	.4	.2		1394		1394

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6000849	86653	62.2	21.001	1394							
Dry Bulb	10693118	122128	87.6	3.661	1395			93.0	93.0	92.7	9[illegible].9	93
Wet Bulb	8224483	106791	76.6	5.587	1394			89.9	69.2	34.2		93
Dew Point	7206798	99264	71.2	9.968	1394			64.6	47.2	25.2		93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 47-61 AUG
STATION STATION NAME YEARS MONTH

PAGE 1 [illegible]-25MM
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]/ 79															.1			2	2		
[illegible]/ 77										.1		.1		.1	.1		.1	3	3		
[illegible]/ 75							.1	.1	.1		.1	.2	.1	.5	.1	.1	.2	23	23		
[illegible]/ 73						.1	.1		.1	.4	.9	.3	.6	.2	.6	.1	.1	59	59		
[illegible]/ 71				.1	.3	.2	.4	.1	.8	1.0	1.1	1.2	.5	1.0	.6	.1		105	107		
70/ 69		.1	.5	1.0	.9	.7	.9	1.6	1.1	2.2	2.6	2.4	1.7	1.7	.4	.1		236	238		
[illegible]/ 67		.4	2.2	.5	.9	.7	1.7	1.3	2.7	2.9	2.4	2.2	1.1	.4	.1			2[illegible]	[illegible]	2	
[illegible]/ 65	.3	3.9	3.3	1.6	1.4	1.6	1.4	2.5	1.7	2.6	1.6	1.2	.3	.1				3[illegible]	3[illegible]	19	1[illegible]
64/ [illegible]	.5	2.7	2.8	1.2	.9	1.1	1.1	1.1	.9	.6	.7	.3						192	192	179	93
[illegible]/ 61	.6	1.9	1.7	.9	.6	.5	.2	.2	.4	.4	.1							107	107	106	102
[illegible]/ 59	.1	.9	.7	.7	.5	.3	.1	.2	.1	.2								42	2	117	102
57/ 57		.3			.1					.1								6	6	96	6[illegible]
[illegible]/ 55																				11[illegible]	5[illegible]
54/ 53																				144	52
[illegible]/ 51																				149	63
[illegible]/ 49																				141	63
[illegible]/ 47																				136	79
[illegible]/ 45																				116	52
[illegible]/ 43																				[illegible]3	63
[illegible]/ 41																				18	73
[illegible]/ 39																				3	76
[illegible]/ 37																					64
[illegible]/ 35																					34
[illegible]/ 33																					7[illegible]
[illegible]/ 31																					4[illegible]
[illegible]/ 29																					12
[illegible]/ 27																					34
46/ 45																					2[illegible]
44/ 43																					9
42/ 41																					2
[illegible]/ 39																					1
38/ 37																					4
[illegible]/ 35																					1
34/ 33																					3

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 47-61 APR
STATION STATION NAME YEARS MONTH

PAGE 1 0330-0530
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31								
TOTAL	1.4	19.5	11.1	6.2	5.9	5.3	6.[illegible]	7.4	7.8	9.8	9.1	7.8	4.2	4.7	1.9	.4	.4					1391	1395	1391	1791

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	134111	77731	55.9	23.846	1391							
Dry Bulb	10529134	121090	86.8	3.616	1395			93.0	93.0	91.9	6.1	93
Wet Bulb	7654936	102404	73.[illegible]	6.465	1391			79.5	51.[illegible]	23.6		93
Dew Point	6375440	92726	66.7	11.220	1391			47.7	34.0	18.0		93

USAFETAC FORM 0-26 5 (OL A) AM 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 41 [illegible] / DHAHRAN SAUDI ARABIA / 46-61 / APR
STATION / STATION NAME / YEARS / MONTH

PAGE 1 / 0601-1800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
1[illegible]/ 1[illegible]																	.1	1	1		
1[illegible]/ 1[illegible]															.1	.1	.4	5	5		
1[illegible]/ 1[illegible]							.1					.1	.2	.1	.4	.4	.4	24	24		
1[illegible]/ 99									.1	.2	.1	.2	.2	.6	.4	.6	.6	45	45		
[illegible]/ 97							.1	.4	.2	.4	.6	.7	.6	.8	.3	1.3	.5	93	93		
[illegible]/ 95						.4	.2	.5	.7	.9	1.9	1.1	1.0	1.0	2.2	1.5	.6	186	186		
[illegible]/ 93				.4	.5	1.0	.4	.1	.8	1.7	1.7	.6	1.8	1.5	1.7	.6	.1	189	189		
[illegible]/ 91				.6	1.2	.3	.3	.7	1.0	1.6	1.4	2.2	1.2	2.1	1.1	.2	.1	206	209		
[illegible]/ 89		.1	.8	1.5	1.2	.6	1.2	1.3	.5	1.7	1.3	1.9	2.1	1.6	.4			221	221	1	
[illegible]/ 87		.2	1.0	1.1	.7	.9	.7	.6	1.5	1.0	1.5	1.1	1.1	.6				175	175	14	3
[illegible]/ 85	.1	1.4	1.4	1.3	.4	.2	.7	.4	.7	.9	1.1	1.1	.5	.1				151	151	63	21
[illegible]/ 83	.1	1.2	.7	.4	.3	.6	.6	.1	.2	.3	.1	.1						64	64	111	72
[illegible]/ 81	.4	.4	.5	.4	.1	.2	.1		.4	.1			.1					36	36	97	103
[illegible]/ 79	.1	.1	.2	.1	.2		.1	.1		.1	.2							15	15	77	57
7[illegible]/ 77		.1	.1		.1													5	5	99	55
7[illegible]/ 75		.1																1	1	124	46
74/ 73																				139	92
72/ 71																				126	48
7[illegible]/ 69																				1[illegible]	71
[illegible]/ 67																				17[illegible]	63
[illegible]/ 65																				138	74
[illegible]/ 63																				75	64
[illegible]/ 61																				19	67
[illegible]/ 59																				4	64
[illegible]/ 57																					65
5[illegible]/ 55																					63
[illegible]/ 53																					36
[illegible]/ 51																					77
[illegible]/ 49																					65
[illegible]/ 47																					57
[illegible]/ 45																					33
44/ 43																					26
[illegible]/ 41																					15
[illegible]/ 39																					6

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 416[illegible] — DHAHRAN SAUDI ARABIA — 46-61 — [illegible]
STATION — STATION NAME — YEARS — MONTH

PAGE [illegible] — [illegible]
HOURS L.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 37																					
[illegible] / 35																					
[illegible] / 31																					
TAL	.6	3.9	4.7	5.4	5.[illegible]	5.3	4.9	4.3	6.0	8.5	10.[illegible]	9.0	8.8	9.2	7.2	4.6	2.[illegible]	1424	1427	1426	1426

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3591507	63955	44.8	22.528	1426							
Dry Bulb	11929369	129747	90.9	4.903	1427			93.0	93.0	92.2	35.2	93
Wet Bulb	7750456	104700	73.4	6.657	1426			77.6	47.5	20.9		93
Dew Point	5974935	90517	63.5	12.684	1426		.1	36.4	26.5	14.5		93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 41[illegible] DHAHRAN SAUDI ARABIA 61-61 A[illegible]
STATION STATION NAME YEARS MONTH

FAX [illegible] 09[illegible]-11[illegible]
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
12[illegible]/11[illegible]																	.1	2	2		
12[illegible]/11[illegible]																	.1	11.	11.	.	
11[illegible]/11[illegible]												.1				.1	.2	41	41		
11[illegible]/10[illegible]															.2	.3	.2	114.	114.	.	
[illegible]/10[illegible]										.1		.1	.1	.4	.7	1.1	.2	146	146		
10[illegible]/10[illegible]										.1	.1	.3	.5	1.2	1.2	2.2	.5	70	70	.	
[illegible]/10[illegible]									.1	.2	.5	.7	1.1	1.9	2.9	3.2	6.4	256	256		
10[illegible]/10[illegible]								.2	.1	.5	1.6	1.4	2.6	2.5	2.3	3.2	2.2	232	232	.	
[illegible]/ 99							.1	.5	1.4	1.3	1.2	2.2	1.3	2.1	1.5	1.2	1.6	219	219		
10[illegible]/ 97							.3	1.2	.7	.3	.3	1.6	1.2	.9	.6	.8	.5	126	126	.	
9[illegible]/ 95						.0	.3	.2	.3	.5	.2	.3	.5	.1	.1	.2	.1	77	77		
4/ 93						.3	.3	.4		.1	.1	.1	.1		.1	.1		22.	22.	.	
[illegible]/ 91				.1	.1	.1		.1			.1				.1			3	3		
[illegible]/ 89				.1														1.	1.	.	
[illegible]/ 87																				3	
[illegible]/ 85																				5.	
[illegible]/ 83																				7	19
[illegible]/ 81																				[illegible]	34
[illegible]/ 79																				17[illegible]	57
7[illegible]/ 77																				15[illegible]	92
[illegible]/ 75																				2[illegible]	46
[illegible]/ 73																				23[illegible]	92
72/ 71																				27[illegible]	93
[illegible]/ 69																				17[illegible]	61
[illegible]/ 67																				[illegible]	30
6/ 65																				12.	94
4/ 63																				9	1[illegible]
[illegible]/ 61																					1[illegible]
[illegible]/ 59																					79
[illegible]/ 57																					1[illegible]
[illegible]/ 55																					[illegible]
[illegible]/ 53																					[illegible]
[illegible]/ 51																					78
[illegible]/ 49																					11

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Ref. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) 8[illegible]-64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

...AL CLIMATOLOGY BRANCH
USAFETAC
...ATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

- 41... DHAHRAN SAUDI ARABIA 47-61 A...
STATION STATION NAME YEARS MONTH

...-1...
HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	TOTAL W.B.	Dry Bulb	Wet Bulb	Dew Point
...-...																						
...-...																						
...-...																						
...-...																						
...-...																						
...-...																						
...-...																						
TOTAL		.1	.1	1.4	1.4	2.7	3.2	4.3	5.3	5.7	7.7	9.1	8.5	11.2	8.5			14...		14...		14...

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	13...4256	4...66	27.5	13.184	145...							
Dry Bulb	1045615...	149981	1...9	4.364	145...			97.6	93.6	63...	52.4	9...
Wet Bulb	7...33...472	110042	75.5	4.766	145...			91.9	65.6	19.4		9...
Dew Point	5532608	8442	60.7	10.730	1458			27.4	15....	4.5		9...

USAFETAC FORM 0-26-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

...AL CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

...41... STATION ...RAHRAN SAUDI ARABIA STATION NAME ...61-61 YEARS ... MONTH

... HOURS ...

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 11																	•		7		
/ 117																	•11		11		
/ 11																	1•		12		
1 / 11																	•14		11		
/ 111													•1		•1	•3	7•5	117	117		
/ 1										•1			•1	•1	•1	1•11	•11	47	227		
/ 1												•1	•1	1•1	1•2	2•11	1•	24	97		
/ 1										•1	•1	•6	1•6	2•4	3•7	5•2	7•7	25	52		
/ 1									•2	1•6	1•	1•4	1•6	1•3	2•3	2•6	3•3	27	27		
/ 11							•1	•1	•1	•2	2•2	1•7	1•7	•3	•5	•8	•1	145	143		
/							•1	•2	•7	•7	•6	•4	•4	•3	•2	•2		6	6		
/ 67							•1	•2	•2	•3	•1							7	1		
/								•1	•1												
/																				1	
/																					
/																					
/																				2	
/																				1	
/ 77																				4	
/ 77																				1	
/ 7																					
/ 7																					
/ 71																				1	
/																					
/ 67																				2	
/																				1	
/ 6																					
/ 61																					
/																					
/ 57																					
/ 52																				1	
/ 4																					
/ 41																					

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) ...

1 [illegible] CLIMATOLOGY BRANCH
2 [illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] CHAMPAIGN/URBANA [illegible] 1961 [illegible]
STATION STATION NAME YEARS MONTH

[illegible] 1 [illegible] 24
HOURS [illegible]

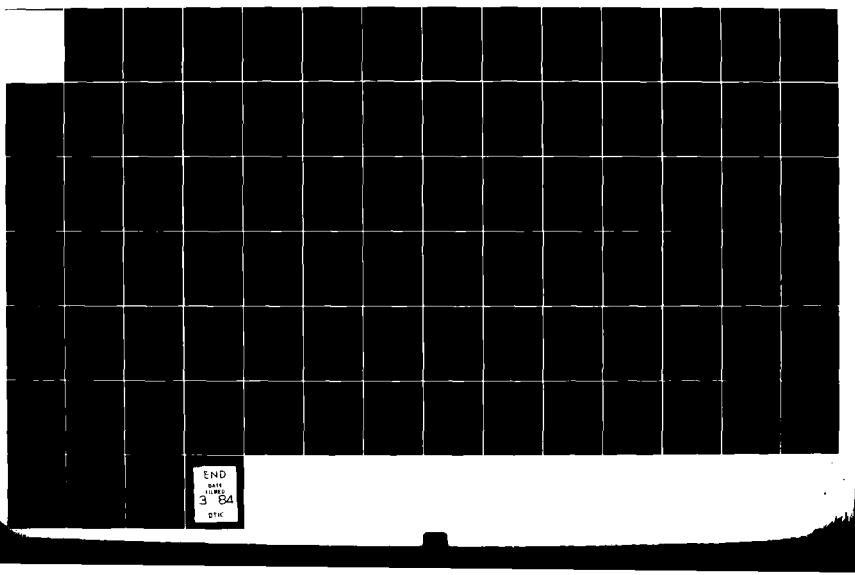
Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 4																					
[illegible] / 47																					
[illegible] / 4																					
[illegible] / [illegible]																					
[illegible] / 41																					
[illegible] / [illegible]																					
[illegible] / 37																					
[illegible] / 3[illegible]																					
[illegible] / 3[illegible]																					
[illegible] / 31																					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F
Rel. Hum.	112[illegible]	[illegible]74	[illegible]6.11	[illegible].1	1465					
Dry Bulb	1[illegible]54[illegible]	1[illegible]17[illegible]	1[illegible].	[illegible].	1465			[illegible].	[illegible].	[illegible].
Wet Bulb	797.[illegible]	114.24	76.[illegible]4.[illegible]		1465			[illegible].	[illegible].	[illegible].
Dew Point	[illegible]76[illegible]31	[illegible]1[illegible]7[illegible]	61.41[illegible].137		1465		.1	[illegible].7	14.[illegible]	[illegible].

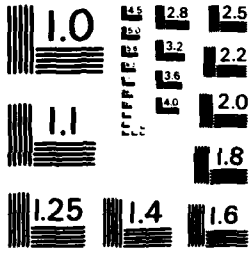
USAFETAC FORM 0-26-5 (OL-A) [illegible]

AD-A137 580 DHAHRAN SAUDI ARABIA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATI..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 01 DEC 83

UNCLASSIFIED USAFETAC/DS-83/050 SBI-AD-E850 503 F/G 4/2 NL



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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) AUG (MONTH)

PAGE 1 1500-1700 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
116/115																	.1	1	1		
114/113																	.3	5	5		
112/111																.1	1.0	17	17		
110/109															.3	.4	3.4	60	60		
108/107										.1			.3	.5	.8	1.9	5.5	132	132		
106/105										.1	.2	.8	.7	1.7	2.1	2.7	5.3	196	196		
104/103									.2	.5	1.5	1.3	2.5	3.8	3.1	3.4	2.3	274	274		
102/101						.1		.3	1.1	1.9	1.9	3.2	3.2	3.0	2.4	1.6	.7	281	281		
100/ 99						.2	.3	.8	2.1	2.5	2.7	3.0	2.1	2.1	1.2	.3		252	252		
98/ 97						.2	1.3	1.4	2.0	2.1	1.5	1.1	.8	.5	.1			161	161		
96/ 95					.1	.5	.7	.7	.9	.3		.3	.4		.1			56	57		
94/ 93						.1	.5	.3	.1	.1	.1		.1					16	16		
92/ 91					.1	.1												3	3	1	
90/ 89						.1				.1								2	2	6	
88/ 87																				25	4
86/ 85																				81	6
84/ 83																				132	27
82/ 81																				168	35
80/ 79																				213	71
78/ 77																				219	80
76/ 75																				238	107
74/ 73																				202	74
72/ 71																				114	104
70/ 69																				35	97
68/ 67																				2	121
66/ 65																					108
64/ 63																					112
62/ 61																					92
60/ 59																					106
58/ 57																					85
56/ 55																					62
54/ 53																					53
52/ 51																					43
50/ 49																					26

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_n	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41*160 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
AUG — MONTH

PAGE 2

1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
48/ 47																					16
46/ 45																					12
44/ 43																					8
42/ 41																					3
40/ 39																					2
TOTAL					.2	1.2	2.8	3.5	6.3	7.6	7.9	9.6	10.1	11.6	10.0	10.4	18.7	1456	1457	1456	1456

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 92 F	Total
Rel. Hum.	1845408	48294	33.2	12.938	1456							
Dry Bulb	15274159	149075	102.3	3.828	1457			93.0	93.0	93.0	92.7	93
Wet Bulb	8883366	113552	78.0	4.352	1456			93.0	83.4	33.8		93
Dew Point	6513583	96439	66.2	9.302	1456			46.4	25.8	7.3		93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416? DHAHRAN SAUDI ARABIA 46-61 AUG
STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
106/105												.1					.2	4	4		
104/103										.1				.2	.3	.3	.1	13	13		
102/101								.1		.1	.3	.1	.6	.7	.3	.2	.1	39	39		
100/ 99								.3	.7	.3	1.0	1.7	1.6	.9	.7	.1		109	109		
98/ 97						.4	.9	1.1	1.4	1.7	2.0	2.0	1.4	.9	.3	.1		180	180		
96/ 95				.1	.3	1.7	3.2	2.6	3.0	3.2	2.5	2.1	1.3	.3	.1			302	302		
94/ 93			.1	.3	2.6	3.4	4.1	3.1	2.9	2.1	1.8	.7	.1					314	315		
92/ 91			.2	2.0	4.0	4.8	3.1	2.5	2.9	1.3	.6							319	319		
90/ 89			.3	1.8	2.6	2.6	1.5	1.5	.3	.2	.1							161	161	6	
88/ 87			.6	.5	.7	.3	.3	.1	.1									39	39	27	10
86/ 85		.1		.1	.1	.1	.1	.1										7	7	164	22
84/ 83																				238	101
82/ 81																				227	168
80/ 79																				226	165
78/ 77																				234	156
76/ 75																				190	137
74/ 73																				123	113
72/ 71																				50	126
70/ 69																				10	108
68/ 67																				2	97
66/ 65																					95
64/ 63																					69
62/ 61																					52
60/ 59																					24
58/ 57																					18
56/ 55																					11
54/ 53																					4
52/ 51																					6
50/ 47																					4
TOTAL		.1	1.1	4.8	10.1	13.3	13.2	11.3	11.3	8.9	8.3	6.8	5.0	3.0	1.6	.7	.9		1988		1987
																		1987		1987	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4592431	79501	53.5	15.170	1487							
Dry Bulb	13197033	140043	94.1	3.371	1488			93.0	93.0	93.0	60.1	93
Wet Bulb	9455052	118416	79.6	4.109	1487			93.0	89.1	48.7		93
Dew Point	8140753	109475	73.6	7.385	1487			75.9	54.7	24.3		93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

40416 0 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
AUG — MONTH

2100-2300 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
102/101														.1		.1	.1	3	3		
100/ 99											.1	.1	.2	.1	.1		.1	10	10		
98/ 97							.1	.1	.1		.2	.3	.3	.1	.3	.1	.3	26	26		
96/ 95					.1	.4	.4	.2	.1	.6	.9	.7	.9	.3	.4		.1	73	73		
94/ 93			.1	.4	1.5	1.3	.8	.6	1.3	1.5	1.8	.9	.7	.3	.1			159	159		
92/ 91			.4	1.6	3.9	2.0	1.2	1.5	2.9	1.8	1.4	1.1	.4	.1	.2			262	262		
90/ 89		.1	2.0	6.2	4.4	3.8	2.5	2.1	1.1	.9	.6	.3	.1					343	343	1	
88/ 87		.8	3.6	4.6	4.3	3.6	2.2	1.0	.8	.5	.4							310	310	17	6
86/ 85		.6	2.6	2.7	2.0	2.2	.9	.6	.4	.1	.1							173	173	139	33
84/ 83		.3	.8	.8	.9	.6	.2	.2	.1									55	55	236	142
82/ 81		.1	.1	.1	.2	.1	.1	.1										10	10	215	188
80/ 79				.1	.1													2	2	180	160
78/ 77																				180	136
76/ 75																				179	114
74/ 73																				111	101
72/ 71																				82	99
70/ 69																				52	87
68/ 67																				20	79
66/ 65																				10	57
64/ 63																				4	52
62/ 61																					41
60/ 59																					36
58/ 57																					21
56/ 55																					15
54/ 53																					14
52/ 51																					7
50/ 49																					2
48/ 47																					6
46/ 45																					2
44/ 43																					2
42/ 41																					1
40/ 39																					2
38/ 37																					1
36/ 35																					1
34/ 33																					1

Element (X)	Σ_R'	Σ_R	$\bar{I}$	σ_R	No. Obs.	Hours with Temperature					
Rel. Hum.						≤ 0 F	≤ F		≥ 72 F	≥ 80 F	≥ 90 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

404160 STATION | DHAHRAN SAUDI ARABIA STATION NAME | 46-61 YEARS | AUG MONTH

 2100-2300 HOURS (L. S. T.)

Temp. (F	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 31																					1
TOTAL		1.8	9.6	16.3	17.5	13.8	8.3	6.3	6.8	5.4	5.5	3.4	2.5	.9	1.1	.2	.6		1426		1426
																		1426		1426	

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6085863	89353	62.7	17.705	1426							
Dry Bulb	11471098	127810	89.6	3.319	1426			93.0	93.0	93.0	17.7	93
Wet Bulb	8889837	112379	78.8	4.859	1426			92.1	82.0	46.2		93
Dew Point	7911902	105518	74.0	8.523	1426		.1	76.0	58.7	31.8		93

FORM AS 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41041 00 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
AUG — MONTH
PAGE 1
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
120/ 119																	.0		3	3		
118/ 117																	.0		2	2		
116/ 115																	.2		25	25		
114/ 113																	.6		66	66		
112/ 111												.0	.0		.0	.1	1.4		175	175		
110/ 109										.0			.0	.0	.2	.3	3.1		411	411		
108/ 107										.0		.0	.1	.2	.3	.7	3.1		524	524		
106/ 105										.0	.0	.3	.5	.7	.9	1.3	2.7		733	733		
104/ 103									.1	.2	.5	.4	.8	1.0	1.1	1.2	1.5		788	788		
102/ 101						.0	.0	.1	.3	.5	.7	.9	.9	.9	.8	.7	.6		729	729		
100/ 99						.0	.1	.3	.6	.6	.8	1.0	.8	.8	.6	.3	.3		715	715		
98/ 97						.1	.4	.6	.6	.7	.7	.8	.5	.5	.2	.3	.2		631	631		
96/ 95				.0	.1	.5	.6	.6	.8	.7	.8	.7	.6	.4	.4	.2	.1		753	754		
94/ 93			.0	.1	.6	.9	.9	.6	.7	.8	.8	.4	.5	.4	.3	.1	.0		829	830		
92/ 91			.1	.6	1.4	1.1	.7	.7	1.1	.9	.7	.7	.4	.5	.3	.1	.0		1035	1038	2	
90/ 89		.1	.6	1.7	1.3	1.1	.9	1.0	.5	.8	.6	.7	.5	.4	.1	.0			1180	1180	17	
88/ 87		.5	1.3	1.2	1.1	.9	.9	.6	.9	.7	.7	.5	.3	.1	.0				1120	1120	119	26
86/ 85	.0	1.1	1.6	1.0	.8	.9	.7	.7	.5	.5	.5	.3	.1	.0					1002	1005	670	126
84/ 83	.1	.7	.9	.5	.4	.4	.3	.2	.2	.1	.1	.0							472	472	1237	556
82/ 81	.1	.4	.5	.3	.2	.2	.1	.1	.1	.1	.0		.0						234	234	1222	836
80/ 79	.0	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0								85	85	1285	793
78/ 77		.1	.0		.0	.0				.0									13	13	1319	704
76/ 75		.0																	1	1	1539	643
74/ 73																					1389	582
72/ 71																					1047	654
70/ 69																					682	665
68/ 67																					481	701
66/ 65																					312	639
64/ 63																					159	646
62/ 61																					38	590
60/ 59																					8	559
58/ 57																						510
56/ 55																						450
54/ 53																						439

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) 84 — REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41160 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (YEARS) AUG (MONTH)

PAGE 2

ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
52/ 51																					358
50/ 49																					321
48/ 47																					255
46/ 45																					197
44/ 43																					129
42/ 41																					85
40/ 39																					38
38/ 37																					27
36/ 35																					9
34/ 33																					12
32/ 31																					5
TOTAL	.3	2.9	5.1	5.5	6.1	6.2	5.5	5.6	6.2	6.7	7.0	6.6	6.0	6.0	5.2	5.3	13.8	11534	11526	11526	
																		11526			

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	29687824	522962	45.4	22.740	11526			744.0	744.0	741.7	411.9	744
Dry Bulb	105285192	1097944	95.2	8.170	11534			710.6	568.0	252.1		744
Wet Bulb	67993824	882918	76.6	5.591	11526			605.8	275.5	127.8		744
Dew Point	53819240	773758	67.1	11.318	11526		.3					744

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41816 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
47-61 — YEARS
SEP — MONTH

PAGE 1 — 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
98/ 97																	.1	1	1		
96/ 95												.1						2	2		
94/ 93								.1			.1	.1			.1			5	5		
92/ 91								.1	.1	.3	.1	.1	.1	.1	.2			18	19		
90/ 89			.1	.6	.4	.2	.1	.7	.4	.7	.4	.6	.4					64	64		
88/ 87		.1	1.5	1.4	1.3	.8	.7	.9	1.3	.5	.5	.3	.3					132	132		
86/ 85		1.0	4.4	2.9	1.7	1.9	1.3	2.1	1.0	1.0	1.0	.7	.2					259	259	5	1
84/ 83	.2	2.4	4.0	2.5	2.2	1.5	1.9	1.3	1.1	.9	.6	.4	.1					258	258	63	23
82/ 81	.1	3.6	4.2	2.8	1.6	1.3	1.4	1.6	1.0	.2	.2	.2						250	250	129	96
80/ 79	.6	1.6	3.6	2.8	1.3	1.3	1.5	1.1	.3	.3	.1	.1						198	198	194	147
78/ 77	.1	.7	1.9	.9	1.4	.6	.7	.7	.4	.2	.1							106	106	139	141
76/ 75		.4	.5	.6	.7	.3	.1	.4	.1	.1								42	42	173	111
74/ 73		.1	.3	.1	.4	.1												15	15	157	111
72/ 71																				131	102
70/ 69																				111	87
68/ 67																				104	76
66/ 65																				67	73
64/ 63																				50	72
62/ 61																				17	75
60/ 59																				9	54
58/ 57																				1	40
56/ 55																					32
54/ 53																					27
52/ 51																					24
50/ 49																					22
48/ 47																					15
46/ 45																					10
44/ 43																					9
42/ 41																					1
40/ 39																					1
TOTAL	1.1	19.0	32.0	24.7	19.7	14.0	11.0	8.1	7.7	5.1	3.8	4.2	3.3	2.5	1.1	.1	.3	.1	1350		1350
																		1350		1350	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6573591	90513	67.0	19.348	1350			90.0	90.0	74.8	.5	90
Dry Bulb	9312808	112012	83.0	3.749	1350			90.0	90.0	74.8	.5	90
Wet Bulb	7498240	100316	74.3	5.707	1350			80.4	57.3	20.4		90
Dew Point	6679925	94115	69.7	9.381	1350			59.7	42.0	12.1		90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41610 STATION | DHAHRAN SAUDI ARABIA STATION NAME | 47-61 YEARS | SEP MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
94/ 93														.1		.3		5	5		
92/ 91										.1		.1		.1	.1	.1		8	8		
90/ 89					.1		.3	.1	.2		.4	.4	.5		.1			31	31		
88/ 87		.1	.2	.3	.1	.6	.5	.6	.5	.6	1.0	.6	.3	.5				81	81		
86/ 85		1.2	1.7	.6	.7	1.8	.7	1.3	1.3	1.3	1.0	1.3	.6	.3				146	166	1	
84/ 83	.4	2.7	3.9	1.9	1.3	1.4	1.6	1.4	2.2	1.2	1.6	.6	.4	.2				283	283	32	13
82/ 81	.3	3.7	2.4	1.7	1.6	1.3	1.8	1.7	1.3	1.0	1.2	.7	.3	.1				259	259	75	57
80/ 79	.7	3.3	3.0	2.9	1.7	1.6	1.0	.7	1.6	.5	.6	.4	.1	.2				246	248	142	114
78/ 77	.4	1.7	1.1	1.6	1.4	1.2	.7	.4	.7	.4	.5	.3	.1					142	142	130	100
76/ 75	.7	.6	1.2	.9	.3	.3	.5	.5	.5	.3	.2							61	61	143	108
74/ 73	.1	.1	.2	.1	.1	.3	.3	.1	.1									20	20	138	76
72/ 71				.2	.1													4	4	125	101
70/ 69				.1	.1													2	2	123	87
68/ 67																				118	60
66/ 65																				98	74
64/ 63																				97	57
62/ 61																				62	65
60/ 59																				45	57
58/ 57																				13	57
56/ 55																				11	56
54/ 53																				2	38
52/ 51																					51
50/ 49																					40
48/ 47																					32
46/ 45																					19
44/ 43																					20
42/ 41																					19
40/ 39																					11
38/ 37																					14
36/ 35																					5
34/ 33																					3
32/ 31																					1
30/ 29																					
28/ 27																					1
26/ 25																					

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41160 | DHAHRAN SAUDI ARABIA | 47-61 | SEP
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	2.6	13.3	13.8	10.2	7.6	8.5	7.3	7.7	8.5	5.3	6.7	4.6	2.3	1.6	.1	.4		1350	1350	1350	1350

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5947578	83906	62.2	23.304	1350							
Dry Bulb	9049960	110422	81.8	3.662	1350			90.3	89.6	67.2	.3	90
Wet Bulb	6998159	96787	71.7	6.619	1350			68.1	43.7	12.1		90
Dew Point	5985262	88438	65.5	11.921	1350		.3	47.8	31.3	7.7		90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41 41 60 — DHAHRAN SAUDI ARABIA — 46-61 — SEP
STATION — STATION NAME — YEARS — MONTH

PAGE 1 — 0600-1200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
114/ 103																	.1		1	1		
106/ 99																.1	.1		2	2		
99/ 97												.1		.2	.1	.2	.2		11	11		
96/ 95							.1		.1	.4	.2	.2	.3	.2	.3	.4	.1		31	31		
94/ 93					.1	.2	.4	.1	.2	.4	.7	.3	.3	.3	.5	.4	.4	.2	60	60		
92/ 91				.1	.3	.6	.4	.4	.7	1.2	.7	.8	.5	.4	1.7	.5	.2	.1	119	119		
90/ 89				.1	.9	.7	.9	.4	1.3	.7	1.8	1.7	1.1	1.4	1.1	.4	.1		176	176		
88/ 87		.1	.4	.6	.8	.9	1.1	1.0	1.7	.8	1.5	1.1	1.1	1.1	.8	.2	.1		174	174	3	
86/ 85	.1	.7	1.2	1.4	.6	1.2	1.6	1.6	1.2	1.8	1.1	1.3	1.4	.6					215	215	18	4
84/ 83	.1	1.3	1.2	1.1	.7	1.2	1.2	1.4	1.7	.9	1.2	1.1	.9	.9	.1				202	202	47	25
82/ 81	.4	1.4	.9	.7	.9	2.0	1.2	1.2	.9	.7	1.2	.8	.4	.1					174	174	56	61
80/ 79	.7	1.4	.5	.9	.4	.8	1.1	.8	.8	.5	.5	.4	.1						118	118	98	74
78/ 77	.4	.8	.4	.4	.4	.1	.7	.2	.2	.4	.2	.3	.1	.1					65	65	116	83
76/ 75	.2	.3	.2	.4	.1	.1	.1	.1	.2		.1		.1						27	27	103	66
74/ 73			.1		.1		.1	.1	.1	.1									7	7	138	42
72/ 71					.1	.1			.1										3	3	131	67
70/ 69																					147	68
68/ 67																					129	75
66/ 65																					125	75
64/ 63																					89	71
62/ 61																					77	67
60/ 59																					46	76
58/ 57																					22	57
56/ 55																					6	59
54/ 53																					3	44
52/ 51																						62
50/ 49																						66
48/ 47																						43
46/ 45																						50
44/ 43																						32
42/ 41																						30
40/ 39																						20
38/ 37																						19
36/ 35																						8

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

47416 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
SEP — MONTH

PAGE 2
0600-0800 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					
34/ 35																						10
32/ 33																						5
30/ 31																						1
28/ 29																						
26/ 27																						
TOTAL	1.1	6.0	5.1	6.3	5.8	8.0	9.3	8.4	9.1	8.8	9.0	6.3	6.3	6.1	2.0	1.4	.7		1381	13 91	1381	13 91	1381

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4284556	70140	50.8	22.876	1381							
Dry Bulb	10128434	118074	85.5	4.907	1381			90.0	89.9	80.5	6.8	90
Wet Bulb	7073217	98375	71.2	6.890	1381			65.3	38.8	13.0		90
Dew Point	5619677	86307	62.5	12.792	1381		.7	37.9	22.9	8.1		90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 46-61 SEP
STATION STATION NAME YEARS MONTH

PAGE 1 [illegible]-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31						
11[illegible]/113																	.1	1	1				
112/111																	.2	3	3				
11[illegible]/11[illegible]																	.9	12	12				
[illegible]/107																	2.0	28	28				
1[illegible]/1[illegible]													.1	.2	.8	.6	3.5	73	73				
1[illegible]/102										.1		.1	.4	.4	.9	1.3	3.5	54	94				
[illegible]/101								.1	.1	.1	.[illegible]	1.0	.9	1.1	1.8	1.4	3.6	150	150				
1[illegible]/ 99								.2	.3	.6	1.4	1.4	2.3	1.8	1.9	1.4	2.9	203	203				
/ 97							.4	.6	1.0	1.8	2.3	1.6	2.6	2.3	1.9	1.4	1.8	250	250				
[illegible]/ 95					.1	.4	.9	1.1	1.1	1.4	2.6	2.6	2.1	1.6	.9	.9	.6	233	233				
9[illegible]/ 93					.3	.4	1.2	1.1	.9	1.3	1.[illegible]	1.3	1.3	1.0	.4	.6	.4	168	168				
[illegible]/ 91				.1	.5	.6	.5	.3	.6	1.1	.9	1.3	.6	.4	.4	.1		102	102				
[illegible]/ 89				.1	.3	.2	.3	.[illegible]	.3	.6	.4	.2	.2	.4	.1	.2	.1	55	55				
[illegible]/ 87		.1		.1	.1	.1	.2	.1	.1	.3	.3	.1	.2					24	24	3			
[illegible]/ 85			.1	.1	.1	.1		.1		.[illegible]	.1							10	10	33	1		
[illegible]/ 83			.2									.1						4	4	44	11		
[illegible]/ 81																				99	.7		
[illegible]/ 79																				118	38		
7[illegible]/ 77																				132	44		
[illegible]/ 75																				162	52		
[illegible]/ 73																				235	57		
[illegible]/ 71																				186	61		
[illegible]/ 69																				165	79		
[illegible]/ 67																				113	82		
[illegible]/ 65																				66	89		
[illegible]/ 63																				31	112		
[illegible]/ 61																				10	82		
[illegible]/ 59																				3	86		
[illegible]/ 57																					97		
[illegible]/ 55																					92		
[illegible]/ 53																					75		
[illegible]/ 51																					49		
[illegible]/ 49																					51		
[illegible]/ 47																					54		

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM AM 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41160 | DHAHRAN SAUDI ARABIA | 46-61 | SEP
STATION | STATION NAME | YEARS | MONTH

 0900-1200 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
47/ 45																						45
45/ 43																						35
42/ 41																						23
40/ 39																						32
38/ 37																						7
36/ 35																						11
34/ 33																						3
32/ 31																						2
30/ 29																						3
28/ 27																						1
26/ 25																						4
24/ 21																						2
22/ 19																						1
TOTAL	.1	.3	.3	1.3	1.8	3.5	4.2	4.3	7.6	10.4	9.9	10.6	9.2	9.1	7.9	19.5			1410	1410	1410	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1794218	45742	32.4	14.840	1410							
Dry Bulb	13440624	137552	97.5	4.732	1410			90.0	90.0	90.0	77.6	90
Wet Bulb	7727669	104123	73.8	5.233	1410			83.0	53.4	14.0		90
Dew Point	5372606	85540	60.7	11.402	1410		.6	28.9	14.7	3.8		90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 4160 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
SEP — MONTH

PAGE 1 — HOURS (L. S. T.) 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
116/ 115																	.2	3	3		
114/ 113																	.4	6	6		
112/ 111																	.6	12	12		
110/ 109															.1	.4	4.2	67	67		
108/ 107													.1	.2	.4	1.0	7.4	131	131		
106/ 105											.1	.1	.6	1.0	1.1	2.0	6.3	161	161		
104/ 103										.1	.4	.7	1.2	1.7	1.7	2.1	4.5	177	177		
102/ 101								.1	.2	.6	1.4	2.2	1.3	2.4	2.7	1.9	3.4	237	237		
100/ 99								.6	1.3	1.3	1.5	2.2	2.4	2.9	2.3	2.6	2.0	253	253		
98/ 97							.1	.9	.7	1.3	1.5	1.7	1.3	2.0	1.5	.8	1.0	189	189		
96/ 95							.6	.5	.5	1.0	1.3	1.3	1.0	1.5	.3	.2	.1	116	116		
94/ 93							.1	.3	.2	.3	.4	.5	.6	.3		.1		41	41		
92/ 91						.1					.1	.3	.2	.2	.1			15	15		
90/ 87											.1							1	1	4	
88/ 85																				29	
86/ 83																				72	4
84/ 81																				91	9
82/ 79																				117	36
78/ 77																				173	37
76/ 75																				227	44
74/ 73																				206	58
72/ 71																				224	52
70/ 69																				173	66
68/ 67																				87	75
66/ 65																				28	91
64/ 63																				6	100
62/ 61																					101
60/ 59																					104
58/ 57																					97
56/ 55																					114
54/ 53																					66
52/ 51																					65
50/ 49																					55
48/ 47																					55

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

41416? DHAHRAN SAUDI ARABIA 46-61 SEP
STATION STATION NAME YEARS MONTH

PAGE ? 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
47/ 45																					56
44/ 43																					37
42/ 41																					23
41/ 39																					23
39/ 37																					14
36/ 35																					3
34/ 33																					2
32/ 31																					5
30/ 29																					2
24/ 23																					1
22/ 21																					1
18/ 15																					1
TOTAL						.1	.5	2.0	2.8	4.7	4.7	9.1	8.7	12.2	11.0	11.1	30.2	1439	1439	1439	1439

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1288371	39627	27.5	11.708	1439							
Dry Bulb	14867678	146136	101.6	4.335	1439			90.0	90.0	90.0	89.0	90
Wet Bulb	8061030	107986	74.7	4.745	1439			87.9	57.6	15.8		90
Dew Point	5326964	86208	59.9	10.627	1439		.6	25.2	11.9	2.1		90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416C — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
48-61 — YEARS
SEP — MONTH

PAGE 1
1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
114/113																	.1	1	1		
112/111																	.1	1	1		
110/109																.1	.4	6	6		
108/107													.1		.1	.1	1.2	20	20		
106/105												.1	.3	.2	.4	.6	1.7	48	48		
104/103											.4	.3	.6	.4	1.2	.9	1.9	81	81		
102/101									.2	.7	1.2	.8	1.7	1.6	1.5	.9	1.6	144	144		
100/ 99								.9	1.1	1.3	1.8	2.1	2.2	2.9	1.5	1.4	.8	226	226		
98/ 97						.1	.2	1.8	1.8	2.8	2.3	2.2	1.9	1.5	1.8	1.3	.6	257	257		
96/ 95						.1	.6	1.7	2.6	2.1	3.0	3.1	1.7	1.4	.9	.4	.4	252	252		
94/ 93					.1	.6	1.5	1.4	.9	1.3	2.3	1.5	1.1	.7	.5		.1	169	169		
92/ 91					.1	.7	.8	1.1	1.0	1.1	1.6	.8	.6	.1	.1	.1	.1	115	115		
90/ 89					.1	.1	.4	1.2	.5	.5	.2	.7	.1			.1		55	55		
88/ 87					.1	.1	.2	.1	.6	.3	.3			.1				24	24	1	
86/ 85							.2	.1	.1	.1								7	7	35	
84/ 83							.1											1	1	98	2
82/ 81						.1												1	1	140	23
80/ 79					.1													1	1	163	57
78/ 77																				179	82
76/ 75			.1															1	1	194	86
74/ 73																				226	104
72/ 71																				166	82
70/ 69																				121	91
68/ 67																				62	113
66/ 65																				24	119
64/ 63																				6	111
62/ 61																				3	99
60/ 59																					86
58/ 57																					69
56/ 55																					65
54/ 53																					55
52/ 51																					46
50/ 49																					34
48/ 47																					32

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 88 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM AS 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41 6C — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
SEP — MONTH

1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
46/ 45																					18
44/ 43																					14
42/ 41																					10
40/ 39																					6
38/ 37																					4
36/ 35																					3
TOTAL			.1		.5	1.8	3.9	8.1	8.7	10.3	13.0	11.6	10.4	9.0	7.9	5.9	8.8	1410	1410	1410	1410

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2144300	51760	36.7	13.166	1410							
Dry Bulb	13335711	136981	97.1	4.462	1410			90.0	90.0	89.9	76.9	90
Wet Bulb	8095214	106618	75.6	4.856	1410			87.8	65.5	21.6		90
Dew Point	6042452	91300	64.8	9.628	1410			40.8	22.6	3.4		90

FORM AF 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41 41 60 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
SEP — MONTH

1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
102/ 101												.1					.1	2	2		
100/ 99									.1	.1					.1		.1	5	5		
98/ 97							.1	.1	.6	.3	.1	.3	.1	.1				27	27		
96/ 95						.5	.7	1.3	.8	.6	.3	.6	.2	.1	.1	.1		75	75		
94/ 93					.8	1.5	1.5	1.9	.7	.8	.6	.8	.1	.2	.1	.1		131	131		
92/ 91			.1	.4	2.6	4.1	3.1	1.9	1.7	1.0	.9	.6	.3		.1			242	242		
90/ 89			.1	2.5	3.9	4.9	3.3	3.5	1.5	1.6	.9	.5	.1	.1				329	329		
88/ 87		.1	.8	2.6	4.7	4.2	2.2	1.7	1.5	1.0	.5	.3	.1					285	285	2	
86/ 85		.1	.8	1.9	2.7	3.1	1.3	1.5	1.0	.1	.2							182	182	51	3
84/ 83			.3	.8	1.1	.9	1.5	.9	.7	.3	.1							96	96	14	41
82/ 81		.1	.2	.6	.5	.5	.7	.5	.1									45	45	230	95
80/ 79			.3	.1	.3	.2	.1											16	16	267	157
78/ 77			.1	.1														2	2	192	204
76/ 75			.1															1	1	173	177
74/ 73																				141	150
72/ 71																			1	110	124
70/ 69																				75	92
68/ 67																				41	101
66/ 65																				11	55
64/ 63																				5	77
62/ 61																					49
60/ 59																					34
58/ 57																					31
56/ 55																					17
54/ 53																					14
52/ 51																					7
50/ 49																					3
48/ 47																					4
44/ 43																					1
42/ 41																					2
TOTAL		.3	2.7	9.1	16.6	19.8	14.5	13.2	8.2	6.2	3.9	3.0	1.2	.6	.4	.1	.1	1438	1439	1438	1438

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5341469	85323	59.3	13.931	1438							
Dry Bulb	11425097	128107	89.0	3.764	1439			90.0	89.9	89.6	15.0	90
Wet Bulb	8659128	111388	77.5	4.643	1438			89.0	74.9	35.3		90
Dew Point	7600532	104004	72.3	7.386	1438			71.6	51.8	13.0		90

FORM AS 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4160 DHAHRAN SAUDI ARABIA 4c-61 SEP
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95											.1	.1		.1				3	3		
94/ 93						.1				.1	.2	.1	.1	.1				10	10		
92/ 91				.9	.9	.5	.4	.2	.2	.5	.4	.4	.1	.1	.1			65	65		
90/ 89			.5	2.5	1.9	1.5	.7	1.1	.7	.9	.6	.7	.3	.1	.1			165	165		
88/ 87		.1	1.9	3.0	3.6	2.5	1.5	.6	1.8	.9	.7	.4	.1	.1				238	238	1	
86/ 85		.7	3.1	5.9	4.3	2.9	2.3	2.2	.8	.6	.4							322	323	37	7
84/ 83		1.5	4.8	5.0	3.9	1.5	1.2	.4	.7	.5	.2	.1						254	254	64	50
82/ 81		.7	1.5	3.3	1.7	1.5	1.2	.6	.4	.4	.1	.1						154	154	162	102
80/ 79		.3	1.5	1.5	.9	1.7	.6	.4	.5	.1	.1							104	104	279	148
78/ 77		.3	.1	.7	.7	.4	.2	.3										39	39	189	184
76/ 75		.2	.3	.1	.1	.1	.1	.2	.1									16	16	169	157
74/ 73		.3		.1	.1	.1	.1											9	9	144	139
72/ 71																				128	106
70/ 69																				91	62
68/ 67																				56	68
66/ 65																				34	73
64/ 63																				22	70
62/ 61																				7	44
60/ 59																				1	32
58/ 57																					27
56/ 55																					26
54/ 53																					29
52/ 51																					15
50/ 49																					7
48/ 47																					4
46/ 45																					2
44/ 43																					6
42/ 41																					1
TOTAL		4.1	13.6	23.1	17.1	12.7	8.2	6.0	5.1	3.6	3.2	1.9	.7	.6	.2			1379	1380		1379

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 92 F	Total
Rel. Hum.	6518185	92107	66.8	16.300	1379							
Dry Bulb	9991116	117312	85.0	3.670	1380			90.0	90.0	83.5	.8	90
Wet Bulb	8032501	105001	76.1	5.211	1379			85.5	67.5	27.3		90
Dew Point	7222932	99150	71.9	8.262	1379			68.1	51.4	14.9		90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41160 STATION | DHAHRAN SAUDI ARABIA STATION NAME | 46-61 YEARS | SEP MONTH

 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
116/ 115																	.0	3	3		
114/ 113																	.1	8	8		
112/ 111																	.1	16	16		
110/ 109															.0	.1	.7	65	65		
108/ 107													.0	.0	.1	.1	1.4	179	179		
106/ 105											.0	.0	.1	.2	.3	.4	1.5	282	282		
104/ 103										.0	.1	.1	.3	.3	.5	.5	1.3	353	353		
102/ 101								.2	.1	.2	.4	.5	.5	.6	.6	.5	1.1	533	533		
100/ 99								.2	.3	.4	.6	.7	.9	1.0	.8	.7	.7	719	719		
98/ 97						.0	.1	.4	.5	.8	.8	.7	.8	.8	.7	.5	.5	735	735		
96/ 95					.0	.1	.3	.6	.7	.7	.9	1.0	.7	.6	.3	.3	.1	712	712		
94/ 93				.0	.2	.4	.6	.6	.8	.6	.7	.6	.5	.4	.2	.2	.1	589	589		
92/ 91			.0	.2	.6	.8	.7	.5	.6	.6	.6	.5	.3	.4	.2	.1	.0	684	684		
90/ 89			.1	.6	.9	1.0	.7	1.1	.5	.8	.6	.5	.4	.2	.1	.0	.0	875	875		
88/ 87		.1	.6	1.0	1.3	1.2	.8	.6	.9	.5	.6	.3	.3	.2	.0	.0		955	955	14	
86/ 85	.0	.5	1.4	1.6	1.3	1.3	.9	1.1	.7	.6	.5	.4	.3	.1				1181	1182	209	16
84/ 83	.1	1.0	1.8	1.4	1.0	.8	.9	.7	.6	.4	.5	.3	.2	.1	.0			1098	1098	580	174
82/ 81	.1	1.2	1.1	1.1	.5	.8	.6	.7	.4	.3	.3	.2	.1	.0				883	883	991	469
80/ 79	.2	.8	1.1	1.0	.6	.7	.5	.3	.4	.2	.2	.1	.0	.0				685	685	1330	765
78/ 77	.1	.4	.4	.4	.5	.3	.3	.2	.2	.1	.1	.1	.0	.0				354	354	1254	875
76/ 75	.1	.2	.3	.2	.1	.1	.1	.2	.1	.0	.0		.0					168	168	1364	803
74/ 73	.0	.1	.1	.0	.1	.1	.1	.0	.0	.0								51	51	1387	737
72/ 71				.0	.0	.0			.0									7	8	1201	694
70/ 69				.0	.0													2	2	1006	692
68/ 67																				710	650
66/ 65																				458	649
64/ 63																				316	670
62/ 61																				176	582
60/ 59																				103	529
58/ 57																				36	475
56/ 55																				19	461
54/ 53																				5	368
52/ 51																					319
50/ 49																					278

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 416[illegible] DHAHRAN SAUDI ARABIA 46-61 SEP
STATION STATION NAME YEARS MONTH

PAGE 2 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
48/ 47																					239
46/ 45																					360
44/ 43																					164
42/ 41																					109
40/ 39																					93
38/ 37																					68
36/ 35																					35
34/ 33																					24
32/ 31																					12
30/ 29																					4
28/ 27																					7
26/ 25																					4
24/ 23																					1
22/ 21																					1
20/ 19																					1
18/ 17																					1
TOTAL	.7	4.1	6.9	7.9	7.5	7.6	6.7	7.3	6.6	6.3	7.0	6.2	5.2	5.0	4.0	3.4	7.6	11157	11159	11157	11157

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	33892268	559118	50.1	22.944	11157							
Dry Bulb	91551428	1006546	90.2	8.256	11159			720.0	719.4	666.7	271.9	720
Wet Bulb	62145158	830094	74.4	5.876	11157			648.0	459.8	160.0		720
Dew Point	49850350	735062	65.9	11.290	11157		2.2	379.1	247.7	64.9		720

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41160 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
47-61 — YEARS
OCT — MONTH

PAGE 1
0400-1200 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≥86/ 85			.1		.1					.1	.1	.1						8	9		
84/ 83		.3	1.0	.7	.4	.4	.4	.1	.1	.2	.2	.1						53	53		
82/ 81		.6	2.5	2.3	.9	.6	.7	.4	.4	.2	.1							114	114	7	1
80/ 79	.4	2.9	5.3	3.9	2.2	.7	.5	.2	.2	.2	.1							227	227	45	30
78/ 77	.4	3.3	6.0	4.2	3.5	.7	1.2	.5	.1	.1	.1							273	273	85	52
76/ 75	.2	3.5	5.5	4.7	1.7	1.9	.8	.3	.2	.1								263	264	224	105
74/ 73	.2	2.3	4.0	3.5	1.1	.4	.5	.4	.1									175	179	198	267
72/ 71	.1	1.6	3.5	.7	1.4	.9	.6											126	129	203	163
70/ 69	.3	.9	1.4	.7	.6	.6	.4	.2										71	76	23	159
68/ 67		.5	.7	.2	.7	.4	.2		.1	.1								40	40	136	178
66/ 65		.1	.5	.1	.4	.1		.1	.1	.1								20	20	89	118
64/ 63		.2	.1	.2		.1			.1									11	11	65	69
62/ 61		.1	.1															2	2	61	71
60/ 59																				37	52
58/ 57																				10	34
56/ 55																				1	40
54/ 53																					37
52/ 51																				2	21
50/ 49																				3	17
48/ 47																				1	14
46/ 45																					4
44/ 43																					5
42/ 41																					1
40/ 39																					1
38/ 37																					2
36/ 35																					4
34/ 33																					1
TOTAL	1.6	10.3	33.7	21.4	12.7	6.9	4.9	2.1	1.4	1.2	.7	.2						1393	1395	1383	1383

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8262728	109946	75.9	14.712	1383							
Dry Bulb	8972032	105956	76.0	4.170	1395			90.8	74.5	18.1		93
Wet Bulb	6913593	97503	70.5	5.348	1383			73.8	37.3	1.5		93
Dew Point	6358749	93163	67.4	7.750	1383		.3	60.1	26.6	.9		93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 41..	DHAHRAN SAUDI ARABIA	47-61	OCT
STATION	STATION NAME	YEARS	MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
87/ 85								.1		.1								2	2		
82/ 81			.1	.1		.1	.2			.1	.2	.1	.1					13	13		
77/ 75		.4	.3	.4	.7	.2	.1	.1	.1	.1	.2	.1						45	45		
72/ 71		1.5	2.9	1.7	1.2	.5	.1	.2	.4	.5	.2	.1						131	131	11	5
77/ 77	.4	3.8	4.8	3.2	3.4	.8	.9	.8	.5	.2		.1						247	247	49	29
76/ 75	.4	3.1	5.6	3.6	1.4	2.0	.5	1.2	.2	.1	.2	.1						257	257	141	74
74/ 73	1.2	3.3	5.1	3.5	1.5	2.0	.9	.9	.6	.1								264	264	170	151
72/ 71	.4	2.5	3.2	1.4	1.8	1.4	1.1	.4	.2		.1							172	176	202	143
71/ 69	.4	1.7	2.9	.9	1.2	.9	.7	.4	.3									130	134	182	174
68/ 67	.1	.7	1.2	.8	.7	.4		.1	.1									56	58	153	144
66/ 65		.4	.4	.5	.7	.2	.3	.3	.1	.1								40	42	117	122
64/ 63	.1		.2		.4	.3		.3	.1	.1								20	20	117	90
62/ 61		.1	.1			.1												5	5	93	61
60/ 59				.1														1	1	65	78
58/ 57																				35	59
56/ 55																				19	45
54/ 53																				14	49
52/ 51																				7	46
50/ 49																				4	30
48/ 47																				3	22
46/ 45																				1	16
44/ 43																					8
42/ 41																					12
40/ 39																					0
38/ 37																					6
36/ 35																					3
34/ 33																					4
32/ 29																					2
28/ 27																					1
26/ 25																					2
24/ 23																					1
TOTAL	3.0	17.5	27.5	16.3	11.8	9.0	4.8	4.8	2.5	1.4	.9	.5	.1						1395		1383
																		1383		1383	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	7970378	102130	73.9	17.601	1383							
Dry Bulb	7703847	103507	74.2	9.130	1395			88.5	63.9	7.7		93
Wet Bulb	6501500	94474	68.3	5.987	1383			61.1	24.9	.3		93
Dew Point	5881700	89306	64.6	9.116	1383		.4	48.4	17.4	.1		93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4160 DHAHRAN SAUDI ARABIA 46-61 OCT
STATION STATION NAME YEARS MONTH

PAGE 1 0000-LSUD
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
94/ 93														.1				2	2		
92/ 91								.1		.1		.1	.1	.1				5	5		
90/ 89								.2	.3	.1	.1	.4	.1					18	18		
88/ 87				.1		.1		.2	.1	.1	.4	.4	.2	.1				32	32		
86/ 85			.1	.4	.4	.6	.3	.5	.2	.3	.0	.2	.4	.3				62	62		
84/ 83			.4	.9	1.6	.8	1.6	.6	.4	.4	1.1	.2	.3	.1				118	118		
82/ 81		.4	.5	1.2	1.7	.8	1.2	1.3	.5	.8	.9	.6	.4					154	154	5	
80/ 79	.1	.6	2.0	1.7	1.7	1.5	1.0	.7	.7	1.1	.7	.4		.1				173	176	25	12
78/ 77	.1	1.6	2.8	1.5	2.5	1.0	1.3	1.3	1.0	1.1	.4	.4	.1					216	216	49	31
76/ 75	.6	1.8	2.7	1.7	1.6	1.9	1.1	1.1	1.3	.8	.2	.1						216	220	152	63
74/ 73	.6	1.6	1.8	1.8	1.2	1.1	1.0	.4	.4	.5	.2	.1						156	160	146	121
72/ 71	.1	1.1	1.4	.8	1.6	1.1	1.0	.5	.5	.5	.1	.1						127	129	147	97
70/ 69	.1	.8	1.2	.4	.7	.6	.8	.4	.6	.2								61	32	154	128
68/ 67	.2	.1	.7	.1	.4	.3	.2	.1		.1								29	29	139	113
66/ 65		.1	.1	.2	.4	.2		.2	.1	.1								19	19	125	111
64/ 63			.1		.1	.1			.1	.1								6	6	136	92
62/ 61																				98	75
60/ 59		.1																1	1	111	78
58/ 57																				57	62
56/ 55																				32	69
54/ 53																				10	55
52/ 51																				2	56
50/ 49																				1	68
48/ 47																				2	46
46/ 45																				1	37
44/ 43																					24
42/ 41																					23
40/ 39																					21
38/ 37																					21
36/ 35																					2
34/ 33																					5
32/ 31																					2
30/ 29																					2
28/ 27																					2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 46-61 OCT
STATION STATION NAME YEARS MONTH

PAGE 2 [illegible]-0900
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-/ 35																					1
-/ 27																					
TOTAL	[illegible]	5.1	13.9	11.5	14.0	[illegible]1	.1	9.4	8.9	6.2	6.0	5.1	3.0	1.4	.4			1419	1429		1419

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3969614	87038	61.3	21.093	1419							
Dry Bulb	3574590	113444	77.3	5.202	1429			91.3	75.7	31.7	.1	93
Wet Bulb	6550803	95985	67.6	6.402	1419			54.3	24.9	.8		93
Dew Point	5498539	86952	61.3	10.962	1419		.7	36.4	14.9	.2		93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

41416 DHAHRAN SAUDI ARABIA 46-61 OCT
STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
1[illegible]/137																	.1	1	1		
1[illegible]/135																	.1	2	2		
1[illegible]/133																	.1	3	3		
132/131																.1	.1	13	13		
1[illegible]/129												.1	.1	.3	.4	.6	.3	35	35		
97/97												.1	.7	.6	1.0	.3	1.2	57	57		
96/95									.1	.3	1.2	1.3	1.4	.8	1.7	.8	.7	172	172		
93/93							.1	.1	.7	1.0	2.1	2.1	1.0	.9	.9	1.0	.4	156	156		
93/93						.4	.7	.8	1.3	1.9	1.4	1.8	.7	1.0	1.0	.4	.3	171	172		
92/92					.2	1.3	1.7	2.6	2.5	2.6	1.6	1.4	1.6	.8	.5	.1		244	246		
90/87				.1	.2	.3	2.1	1.9	2.3	1.7	1.4	.9	1.1	.6	.2			213	214		
87/85			.1	.2	.2	1.4	1.3	1.4	1.8	1.6	1.9	.7	1.0	.3	.1			166	169		
84/83				.2	.7	.9	.9	.6	1.4	1.4	.8	.8	.3	.2	.1			121	121		
82/81				.1	.7	.7	.6	.6	.8	.8	.6	.5	.1	.1				78	79	16	1
77/79		.1	.1	.1	.1	.3	.2	.4	.2	.5	.1	.1	.1					35	35	55	5
78/77		.1			.2	.1	.2	.1	.3	.6								22	23	114	15
78/75		.1	.1			.2	.1	.1	.1	.1								10	10	159	51
79/77									.1		.1							2	2	226	63
77/71		.1																1	1	195	74
72/69																				156	90
69/67																				118	110
67/65																				103	113
66/63																				171	96
62/61																				61	103
61/59																				35	92
58/57																				7	87
56/55																				3	55
54/53																					71
52/51																					64
50/49																					53
48/47																					65
46/45																					46
44/43																					44
42/41																					34

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4166 | DHAHRAN SAUDI ARABIA | 46-61 | OCT
STATION | STATION NAME | YEARS | MONTH

 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 79																					20
8 / 37																					17
86/ 35																					12
84/ 73																					9
82/ 31																					5
80/ 29																					2
78/ 27																					1
TOTAL		.3	.3	.8	3.2	7.4	7.5	9.8	10.8	12.7	11.2	9.6	9.0	5.5	5.9	3.4	4.9		1457		1449
																		1449		1449	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2621609	57357	39.6	15.574	1449							
Dry Bulb	11615256	129866	89.1	5.240	1457			93.0	92.9	89.9	24.4	93
Wet Bulb	7240833	102153	70.5	5.200	1449			69.9	36.6	2.4		93
Dew Point	5267907	86053	59.4	10.426	1449		.9	27.0	9.0	.1		93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AWS 84

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 4160 DHAHRAN SAUDI ARABIA 40-61 OCT
STATION STATION NAME YEARS MONTH

PAGE 1 12:0-14:0
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
113/111																	.1	1	1		
111/109																	.2	5	5		
109/107																	.2	4	4		
107/105																.1	1.1	17	17		
105/103														.2	.3	.4	1.4	33	33		
103/101													.1	.3	.2	.7	2.2	53	53		
101/ 99										.1	.3	.3	.5	1.4	1.8	1.5	2.5	123	123		
99/ 97									.1	.5	1.4	1.1	2.3	2.2	2.2	1.6	1.7	192	192		
97/ 95								.1	.7	.9	1.6	2.4	2.8	2.4	1.8	1.4	1.3	233	233		
95/ 93								.2	1.0	2.0	2.0	2.5	1.8	2.0	1.1	.5	.3	202	206		
93/ 91						.1	1.2	1.5	1.8	2.0	2.0	2.0	.9	1.2	.5	.5	.1	202	202		
91/ 89						.3	.7	1.9	1.5	2.4	1.6	1.7	1.0	.9	.2			182	164		
89/ 87						.1	.4	.7	1.8	1.6	1.5	.9	.5	.3	.1			116	118		
87/ 85						.1	.1	.2	.5	.8	.7	.5	.4	.1				69	70		
85/ 83						.1	.1	.1	.6	.5	.2	.3	.1					33	33	1	
83/ 81					.1				.1	.1	.1	.1						7	7	16	
81/ 79					.1				.1		.1							3	3	59	
79/ 77								.1										1	1	136	7
77/ 75						.1												1	1	169	28
75/ 73																				226	49
73/ 71																				264	62
71/ 69																				218	75
69/ 67																				193	89
67/ 65																				134	109
65/ 63																				71	111
63/ 61																				23	115
61/ 59																				4	127
59/ 57																					116
57/ 55																					113
55/ 53																					88
53/ 51																					73
51/ 49																					79
49/ 47																					58
47/ 45																					61

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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PSYCHROMETRIC SUMMARY

41 [illegible] DHAHRAN SAUDI ARABIA 46-61 OCT
STATION STATION NAME YEARS MONTH

 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31				Dry Bulb	Wet Bulb	Dew Point
[illegible] 43																							35
[illegible] 41																							39
[illegible] 39																							15
38/ 37																							10
36/ 35																							15
34/ 33																							8
[illegible] 31																							2
TOTAL					.2	.7	2.6	6.2	8.3	11.0	11.7	11.9	10.4	11.0	8.1	6.6	11.2			1477	1486	1477	1477

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1792128	48162	32.6	12.255	1477							
Dry Bulb	13066865	139157	93.6	5.022	1486			93.0	93.0	92.8	54.3	93
Wet Bulb	7523718	105216	71.2	4.374	1477			78.6	36.6	2.5		93
Dew Point	5128931	85907	58.2	9.468	1477		.1	19.0	4.7			93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AWS 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416 DHAHRAN SAUDI ARABIA 49-61 OCT
STATION STATION NAME YEARS MONTH

PAGE 1 12-17
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31								
110/107																	.1	1	1						
108/105																	.2	3	3						
106/103																.1	.3	5	5						
102/101															.2	.2	.2	12	12						
100/ 99												.1	.2	.2	.1	.2	.1	15	15						
98/ 97									.1	.1	.3	.4	.8	.7	.4	.6	.2	51	51						
96/ 95								.3	.7	.3	1.2	1.5	.8	1.2	.7	.1	.1	102	102						
94/ 93							.2	1.1	.7	1.6	2.7	2.2	1.4	.7	.3	.2	.1	161	161						
92/ 91					.1	.3	1.2	1.1	2.6	2.6	2.4	2.4	.9	1.0	.3	.1		212	212						
90/ 89					.1	1.1	2.1	4.6	2.2	2.5	2.1	1.8	.7	.2	.1			253	254						
88/ 87				.2	.4	2.0	3.3	1.7	2.3	2.2	1.5	1.1	.2	.1				217	219						
86/ 85				.3	1.0	1.3	2.0	2.7	1.9	1.0	1.2	.4						170	173						
84/ 83				.1	.1	.7	2.1	1.2	1.3	1.1	.6	.1						107	108	1					
82/ 81			.1	.2	.6	.6	1.2	.5	.6	.4	.2							64	67	23					
80/ 79				.2	.4	.7	.6	.5	.3	.1								40	41	82	7				
78/ 77				.1	.1	.1	.3	.2	.1	.1								16	16	129	29				
76/ 75		.1		.2	.1	.3	.1	.1		.1								13	13	233	63				
74/ 73					.1		.1	.1										4	4	266	82				
72/ 71						.1												1	1	237	104				
70/ 69																				199	128				
68/ 67																				131	146				
66/ 65																				94	149				
64/ 63																				72	130				
62/ 61																				16	132				
60/ 59																				3	114				
58/ 57																				1	89				
56/ 55																					69				
54/ 53																					78				
52/ 51																					45				
50/ 49																					31				
48/ 47																					23				
46/ 45																					18				
44/ 43																					4				
42/ 41																					2				

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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PSYCHROMETRIC SUMMARY

41 61 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
61-61 — YEARS
OCT — MONTH
PAGE 1
1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
40/ 36																					2
38/ 37																					1
36/ 35																					
TOTAL	.1	.1	1.4	3.[illegible]	7.1	13.[illegible]	14.[illegible]	12.[illegible]	12.[illegible]	12.[illegible]	10.[illegible]	[illegible].0	4.3	1.[illegible]	1.[illegible]	1.[illegible]		1445	1456	1445	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3114898	64292	44.5	13.272	1445							
Dry Bulb	11585291	129671	89.1	5.731	1456			93.0	92.9	89.6	22.2	93
Wet Bulb	7605028	104648	72.4	4.271	1445			84.0	47.5	4.4		93
Dew Point	5921356	91826	63.5	7.720	1445			35.9	11.5	.1		93

USAFETAC FORM AF 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41680 DHAHRAN SAUDI ARABIA 46-61 OCT
STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
98/ 95												.1						1	1		
94/ 93							.1	.1		.1		.1						5	5		
92/ 91					.1	.1		.1	.1		.1	.1						9	9		
90/ 89					.2	.5	.3	.6	.1	.3	.1							36	36		
88/ 87				.4	1.5	2.2	2.1	.9	.7	.2	.1							118	119		
86/ 85		.1	.4	3.1	4.6	3.8	2.2	1.4	.3	.2	.1	.1						239	239		
84/ 83		.1	1.6	3.3	5.5	4.1	3.5	1.1	.3	.1	.1							290	290	3	1
82/ 81		.1	2.0	3.5	4.5	5.2	2.9	1.1	.4	.1	.1							294	294	11	4
80/ 79		.3	1.3	3.3	3.8	3.7	1.4	.7	.4	.1								271	274	110	55
78/ 77		.1	1.3	1.8	2.3	1.1	.9	.5	.1									130	127	247	99
76/ 75		.2	.6	1.2	1.0	1.0	.4	.1										67	71	216	127
74/ 73		.1	.2	1.1	.2	.7	.3	.1										39	39	228	178
72/ 71		.1	.1	.3	.3	.3	.2	.3										23	23	216	206
70/ 69			.3	.2	.1	.1	.1	.1										14	14	145	195
68/ 67				.1		.1												2	2	95	174
66/ 65																				24	142
64/ 63																				75	96
62/ 61																				13	61
60/ 59																				7	45
58/ 57																				4	34
56/ 55																					10
54/ 53																					19
52/ 51																					3
50/ 49																					3
48/ 47																					4
46/ 45																					2
TOTAL		1.0	7.7	18.3	24.4	22.8	14.0	7.1	2.6	1.2	.5	.3						1468		1474	
																		1474		1474	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 92 F	Total
Rel. Hum.	6569698	96998	65.8	11.257	1474							
Dry Bulb	10002996	121548	81.9	4.118	1488			93.0	90.6	70.0	.4	93
Wet Bulb	7946374	108034	73.3	4.378	1474			85.9	57.7	6.3		93
Dew Point	7085095	101807	69.1	6.023	1474			65.7	27.5	.8		93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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PSYCHROMETRIC SUMMARY

DHAHRAN SAUDI ARABIA — STATION NAME
40-61 — YEARS
OCT — MONTH
PAGE 1
2100-2300 — HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 89									.1	.1								2	2		
/ 87				.1	.1		.1				.1							7	7		
/ 85			.4	.5	.6	.4	.5	.1	.1	.1	.1	.1						41	41		
4/ 83		.3	2.4	2.9	2.3	1.3	1.1	.2	.2		.1							153	153	1	1
/ 81	.1	1.1	3.1	6.3	3.3	2.2	1.3	.5	.2	.1	.1							257	257	17	4
/ 79	.1	2.2	4.5	6.8	4.0	2.7	.8	.4	.2	.2								306	306	78	47
7 / 77	.1	1.9	4.5	5.4	4.2	1.2	1.3	.6	.1									261	263	152	69
/ 75	.1	1.5	3.3	3.1	2.1	1.8	.2	.1										174	176	238	135
74/ 73		.9	1.8	2.3	.6	.6	.6	.3										100	106	275	204
72/ 71	.1	.5	1.6	.1	.4	.2	.2				.1							50	51	208	199
/ 69		.1	.6	.1	.5	.5	.2	.1		.1	.1							33	33	176	195
/ 67		.2	.3	.4	.4	.1	.2											22	22	101	161
67/ 65			.2		.1	.1												5	5	66	121
4/ 63			.1				.1											2	2	39	73
2/ 61		.1																1	1	33	51
/ 59																				17	44
56/ 57																				5	35
/ 55																				2	23
4/ 53																				1	21
2/ 51																				2	17
50/ 49																				1	3
/ 47																					5
46/ 45																					2
/ 41																					1
36/ 33																					1
/ 31																					1
/ 29																					1
TOTAL	.5	8.8	22.1	28.1	19.7	11.7	6.2	2.3	1.0	.6	.4	.1						1414	1425		1414

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Ref. Hum.	7850343	103881	73.5	12.439	1414							
Dry Bulb	8792543	111789	78.4	9.008	1425			92.5	85.6	40.6		93
Wet Bulb	7408399	102129	72.2	4.753	1414			82.0	50.1	3.4		93
Dew Point	6791097	97551	69.0	6.577	1414		.1	66.8	30.3	1.0		93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4[illegible]4160 DHAHRAN SAUDI ARABIA 46-61 OCT
STATION STATION NAME YEARS MONTH

PAGE 1 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31								
112/111																	.1	1	1						
111/109																	.0	5	5						
[illegible]/107																	.1	6	6						
[illegible]/105																.1	.2	22	22						
104/103														.0	.0	.1	.2	41	41						
[illegible]/101													.0	.1	.0	.1	.4	76	76						
100/ 99										.0	.0	.1	.1	.3	.3	.3	.5	173	173						
98/ 97									.0	.1	.2	.2	.5	.4	.5	.3	.4	300	300						
96/ 95								.1	.2	.2	.5	.7	.6	.6	.5	.3	.3	458	456						
94/ 93							.1	.2	.3	.6	.5	.9	.5	.5	.3	.2	.1	520	524						
92/ 91						.0	.1	.4	.5	.7	.9	.8	.8	.3	.4	.2	.1	.0	599	600						
90/ 89					.1	.4	.6	1.3	.8	1.1	.7	.7	.4	.2	.1	.0			735	740						
88/ 87				.1	.3	.9	1.0	.7	.9	.7	.6	.4	.3	.1	.0				703	710						
86/ 85		.0	.1	.6	1.0	1.0	.3	.9	.5	.5	.6	.3	.2	.1	.0				759	764						
84/ 83		.1	.7	1.0	1.3	1.1	1.2	.5	.6	.5	.4	.2	.1	.0	.0				888	889	6	2				
82/ 81	.0	.3	1.1	1.6	1.6	1.3	.9	.5	.4	.3	.3	.2	.1	.0					1009	1013	129	10				
80/ 79	.1	.9	2.0	2.2	1.7	1.3	.6	.4	.3	.2	.1	.1	.0	.0					1136	1143	466	142				
78/ 77	.1	1.3	2.3	2.0	1.9	.6	.7	.5	.3	.3	.1	.1	.0						1157	1166	891	331				
76/ 75	.2	1.2	2.2	1.8	1.0	1.1	.4	.3	.2	.1	.1	.0							1003	1012	1574	639				
74/ 73	.3	1.0	1.6	1.5	.5	.6	.4	.2	.1	.1	.0	.0							742	754	1803	1047				
72/ 71	.1	.7	1.2	.4	.7	.5	.4	.2	.1	.1	.0	.0							500	509	1672	1078				
70/ 69	.1	.4	.4	.3	.4	.3	.3	.1	.1	.0	.0								329	339	1445	1149				
68/ 67	.0	.2	.3	.2	.3	.1	.1	.0	.0	.0									149	151	1098	1107				
66/ 65		.1	.1	.1	.2	.1	.0	.1	.0	.0									84	86	834	985				
64/ 63	.0	.0	.1	.0	.1	.1	.0	.0	.0	.0									39	39	598	757				
62/ 61		.0	.0			.0													6	8	389	663				
60/ 59		.0		.0															2	2	279	626				
[illegible]/ 57																					127	546				
56/ 55																					63	463				
54/ 53																					33	418				
52/ 51																					19	330				
50/ 49																					9	294				
48/ 47																					7	237				
46/ 45																					2	186				

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 4162 DHAHRAN SAUDI ARABIA 48-61 OCT
STATION STATION NAME YEARS MONTH

PAGE 2 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb Dew Point
≥ 44/ 43																				120
42/ 41																				110
40/ 39																				75
38/ 37																				64
36/ 35																				57
34/ 33																				33
32/ 31																				9
30/ 29																				11
28/ 27																				4
26/ 25																				4
24/ 23																				3
TOTAL	.9	8.3	12.5	12.1	11.0	9.4	7.9	6.8	5.7	5.6	5.4	4.5	3.2	2.3	2.0	1.5	2.2	11531		11444
																		11444	11444	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	44151094	664804	58.1	21.986	11444							
Dry Bulb	70415427	952238	62.6	8.219	11531			735.3	670.8	495.8	103.6	744
Wet Bulb	57690248	810184	70.8	5.439	11444			590.6	316.5	21.8		744
Dew Point	47933373	732565	64.0	9.532	11444		2.0	357.9	141.1	3.1		744

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 [illegible] / SHAHRAN SAUDI ARABIA / 47-61 / NOV
STATION / STATION NAME / YEARS / MONTH

PAGE 1 / [illegible] HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 81				.1														1	1		
[illegible] / 79		.1	.6	.4	.1	.1					.1							17	17		
78 / 77		.1	.6	2.1	1.6	.1	.1		.1									61	61	1	
[illegible] / 75		1.0	4.2	2.6	1.4	.6	.1	.1										135	135	16	7
[illegible] / 73		1.3	4.7	1.7	.7	.6	.2											123	123	44	1[illegible]
72 / 71	.1	2.4	4.2	2.4	1.1	.6	.5	.1										153	153	119	6[illegible]
70 / 69	.1	3.8	6.5	3.3	1.7	.9	.1	.2										220	220	162	112
68 / 67	.1	3.6	4.5	2.6	1.7	.5	.4	.1	.3									158	158	177	165
66 / 65	.1	3.9	2.7	2.8	1.7	.5	.2	.1										164	164	174	151
64 / 63	.1	1.5	1.9	2.4	1.6	1.3	.5	.2	.1									126	126	142	136
62 / 61	.1	.7	1.2	2.1	1.2	.4	.4	.4	.1									85	85	118	149
[illegible] / 59		.4	.9	.7	.6	.2	.1	.1										41	41	114	89
[illegible] / 57			.1	.4	.5	.1	.1	.1										18	19	76	[illegible]
56 / 55					.4		.1	.1										8	8	79	75
[illegible] / 53							.2	.2	.1									7	7	32	72
52 / 51								.1	.1									2	2	27	57
[illegible] / 49																				21	35
48 / 47																				11	25
[illegible] / 45																				[illegible]	25
[illegible] / 43																				[illegible]	11
42 / 41																				3	9
[illegible] / 39																				[illegible]	21
38 / 37																				[illegible]	6
[illegible] / 35																					[illegible]
34 / 33																					4
[illegible] / 31																					3
[illegible] / 29																					[illegible]
[illegible] / 27																					3
[illegible] / 25																					[illegible]
[illegible] / 23																					1
[illegible] / 21																					1
[illegible] / 17																					[illegible]
16 / 11																					2
[illegible] / 9																					1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 416 STATION — CHAHBAN SAUDI ARABIA STATION NAME — 47-61 YEARS — NOV MONTH

PAGE 1 — 0000-0300 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TAL	.1	7.7	31.7	26.4	17.6	5.6	3.2	1.0	.7		.1							1349	1349	1349	1349

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	9023934	102228	75.8	14.337	1349							
Dry Bulb	6403675	92719	68.7	5.164	1349			56.9	22.5	.6		90
Wet Bulb	5546257	86067	63.8	6.380	1349			34.6	4.1			90
Dew Point	5024920	81414	60.4	9.094	1349		1.3	24.5	1.5			90

USAFETAC FORM AK 64 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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PSYCHROMETRIC SUMMARY

41616 DHAHRAN SAUDI ARABIA 47-61 NOV
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≥81/ 82			.1															2	2		
77/ 77		.1	.4	1.1	.2	.1				.1								22	22		
73/ 76		.4	2.1	1.8	.4	.4	.1	.1	.1		.1							76	76	5	1
69/ 72		1.1	3.6	.9	.5	.3	.1	.1										96	92	15	4
65/ 68	.1	1.6	5.1	1.5	1.1	.7	.2	.1										145	145	71	31
61/ 64	.1	3.3	5.3	2.2	1.7	.7	.1	.1	.1		.1							167	138	115	72
57/ 60	.4	3.3	3.9	3.1	1.9	.7	.4	.1	.1	.1								178	168	145	121
53/ 56	.5	5.6	2.4	2.4	1.6	.6	.3	.4	.3	.1								164	169	154	136
49/ 52	.2	3.1	2.1	3.2	2.5	.7	.1	.2										170	170	164	124
45/ 48	.1	1.5	1.2	2.1	1.5	.7	.4	.2										113	113	146	108
41/ 44		.7	1.8	2.1	.9	1.1	.2	1.0	.1									95	95	134	142
37/ 40		.1	.7	.2	.3	.7	.4	.1										39	39	124	64
33/ 36		.3			.4	.2												9	9	93	101
29/ 32					.2	.1	.2	.1										6	6	57	84
25/ 28			.1	.1	.1	.2	.1											7	7	42	75
21/ 24							.1											1	1	23	55
17/ 20							.1											2	2	27	63
13/ 16																				22	21
9/ 12																				3	64
5/ 8																				1	6
1/ 4																				2	64
-3/ 0																				2	11
-7/ -4																					1
-11/ -8																					2
-15/ -12																					1
-19/ -16																					1
-23/ -20																					1
-27/ -24																					1
-31/ -28																					1
-35/ -32																					1
-39/ -36																					1
-43/ -40																					1
-47/ -44																					1
TOTAL	1.5	10.9	29.5	20.9	14.0	7.3	3.0	2.4	.7	.2	.1							1349	1350	1349	1349

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_a	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	7623917	1200477	74.5	15.85	1349							
Dry Bulb	5173616	89272	66.2	5.259	1350			41.1	13.3	.1		92
Wet Bulb	5211856	83358	61.8	6.725	1349			24.0	1.6			91
Dew Point	4057135	78141	57.9	9.851	1349		2.7	16.8	.6			90

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

4 41 9 [illegible] STATION | CHAKRAN SAUDI ARABIA STATION NAME | 47-61 YEARS | NOV MONTH

PAGE 1 [illegible] HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31							
[illegible] / 75						.1															1	1		
4/ 73						.1	.1							.1							4	4		
[illegible] / 71					.1	.2	.4	.1	.1	.1	.1										14	16		
/ 7[illegible]				.1	.2	.[illegible]	.6	.3	.1	.1	.1	.1									33	33		
[illegible] / 77			.1	.4	1.[illegible]	1.[illegible]	.1	.1	.[illegible]		.1		.1	.1							[illegible]	[illegible]	1	
[illegible] / 7[illegible]			.3	1.3	2.2	1.1	.[illegible]	.7	.4	.1		.[illegible]									1[illegible]	1[illegible]	[illegible]	
[illegible] / 73			.5	2.6	2.4	1.[illegible]	.7	1.1	.4	.2	.1	.1	.1								133	133	31	7
[illegible] / 71	.1	1.2	3.4	2.2	2.4	1.[illegible]	.[illegible]	.2	.1	.1											163	163	69	[illegible]
[illegible] / 69	.3	2.0	3.[illegible]	1.4	2.[illegible]	1.4	1.2	.3	.7	.1											195	195	130	63
[illegible] / 67	.2	1.4	3.1	2.1	1.6	.[illegible]	.6	.2	.4												146	146	1[illegible]	1[illegible]
[illegible] / 65	.4	2.3	1.5	2.5	1.7	1.4	.4	.7	.5												100	100	1[illegible]	11[illegible]
4/ 63	.3	1.4	1.6	2.[illegible]	1.[illegible]	1.2	.[illegible]	.4	.1												12[illegible]	12[illegible]	1[illegible]	11[illegible]
[illegible] / 61	.1	1.0	1.2	1.[illegible]	1.[illegible]	.[illegible]	.[illegible]	.[illegible]	.2												82	9[illegible]	1[illegible]	1[illegible]
[illegible] / 59	.1	.[illegible]	1.5	1.2	.7	1.3	.7	.7	.1												65	65	1[illegible]	1[illegible]
[illegible] / 57			.4	.[illegible]	.[illegible]	.3	.4	.[illegible]	.1	.1											[illegible]	35	1[illegible]	1[illegible]
[illegible] / 55					.1	.1	.1	.1	.1												[illegible]	[illegible]	1[illegible]	1[illegible]
4/ 53			.1		.[illegible]	.[illegible]	.1	.1													1[illegible]	1[illegible]	[illegible]	75
[illegible] / 51					.1	.2	.1	.1													[illegible]	[illegible]	[illegible]	73
[illegible] / 49						.1	.1														[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 47							.1														1	1	[illegible]	[illegible]
[illegible] / 45																							1	[illegible]
[illegible] / 43																							[illegible]	[illegible]
[illegible] / 41																							[illegible]	[illegible]
[illegible] / 39																							[illegible]	[illegible]
[illegible] / 37																							[illegible]	[illegible]
[illegible] / 35																							[illegible]	[illegible]
[illegible] / 33																							[illegible]	[illegible]
[illegible] / 31																							[illegible]	[illegible]
[illegible] / 29																							[illegible]	[illegible]
[illegible] / 27																							[illegible]	[illegible]
[illegible] / 25																							[illegible]	[illegible]
[illegible] / 23																							[illegible]	[illegible]
[illegible] / 21																							[illegible]	[illegible]
[illegible] / 19																							[illegible]	[illegible]

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible]

PSYCHROMETRIC SUMMARY

[illegible] STATION [illegible] STATION NAME 61-61 YEARS [illegible] MONTH

PAGE [illegible] HOURS [illegible] S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B. & W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible] / 17																					
[illegible] / 18																					
[illegible] / 19																					
[illegible]	1.7[illegible]	.7[illegible]	.2[illegible]	.9[illegible]	.6[illegible]	7.2[illegible]	1.1[illegible]	.9	.5	[illegible]	4.4	2.9		.7		.7	.1	.1	.1	1382	1382
																		1382		1382	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	67549[illegible]7	93401	67.7[illegible]	17.728	1382							
Dry Bulb	[illegible]476675	94177	68.2	6.[illegible]00	1380			55.1	22.2	2.2		7[illegible]
Wet Bulb	[illegible]236389	84651	61.5	7.[illegible]85	1382			27.9	2.[illegible]			4[illegible]
Dew Point	4.23862	77596	56.2[illegible]	[illegible].787	1380		3.3	14.9	.6[illegible]			4[illegible]

USAFETAC FORM 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41 oC — DHAHRAN SAUDI ARABIA — 46-61 — NOV

STATION — STATION NAME — YEARS — MONTH

PAGE 1 — 0900-1100 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 93													.1		.1						
/ 91											.1	.1	.2	.1	.1	.1		1	10		
/ 89								.1	.1	.4	.4	.1	.1	.4	.2	.1		27	27		
/ 87						.1	.6	.2	.8	.4	.4	.5	.3	.4	.2			55	55		
/ 85					.1	.6	1.7	2.1	1.3	.6	.6	.4	.6	.4				119	119		
/ 83					.3	1.6	2.3	1.3	1.8	1.3	.6	.6	.3	.1				144	144		
/ 81				.1	.6	2.6	2.0	2.5	1.7	.6	.6	.4	.2	.1				171	171		
/ 79			.1	.9	1.7	3.0	2.1	2.7	1.2	1.0	.6	.2	.1					192	192		
/ 77				.6	2.6	1.6	1.7	2.4	.7	.9	.5	.1	.1					160	160	3	
/ 75		.2	1.6	1.3	2.7	1.8	2.1	.6	.4	.5								160	160	29	
/ 73		.4	1.1	.9	1.1	1.4	1.3	.8	.4	.3								105	105	105	5
/ 71	.1	.5	.4	1.1	1.1	1.3	.5	.2	.3	.2								81	81	145	33
/ 69	.1	.3	.6	1.0	.6	1.1	1.1	.3	.4									77	77	201	75
/ 67	.1	.2	.6	.4	.6	.5	.6	.2	.4	.1								52	52	158	107
/ 65	.2	.1	.1	.1	.1	.1	.6	.1	.1	.3								24	24	189	136
/ 63				.2	.2	.1	.1	.1	.3	.1								16	16	191	104
/ 61				.1		.1	.1	.1	.1									6	6	144	135
/ 59			.1				.1	.1	.1									5	5	84	114
/ 57							.1	.1										2	3	65	109
/ 55						.1												1	1	42	110
/ 53							.1											1	1	25	89
/ 51																				12	73
/ 49																				5	54
/ 47																				2	36
/ 45																				6	50
/ 43																				4	39
/ 41																					32
/ 39																					25
/ 37																					19
/ 35																					13
/ 33																					9
/ 31																					8
/ 29																					5
/ 27																					5

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41416 DHAHRAN SAUDI ARABIA 46-61 NOV
STATION STATION NAME YEARS MONTH

PAGE 2 0500-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 25																					1
24/ 22																					
/ 21																					
TOTAL	.5	1.3	6.2	12.8	15.9	17.6	17.0	10.3	7.4	5.2	2.4	2.0	1.4	.6	.1			1411	1411	1411	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3283945	70969	50.3	14.885	1411							
Dry Bulb	8652742	110144	78.1	6.234	1411			86.4	73.0	40.2	.1	90
Wet Bulb	6092397	92337	65.4	5.942	1411			42.2	8.7			90
Dew Point	4703350	80322	56.9	9.638	1411		1.2	14.0	.3			90

USAFETAC FORM AS 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CL[illegible]AL CLIMATOLOGY BRANCH
USAFETAC
A[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

6 4161 — STATION
[illegible]HARRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
NOV — MONTH

PAGE 1
12 G-14GL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																						TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31									
1[illegible]/ 69																.1							1	1		
[illegible]/ 67															.1	.1	.1						3	3		
[illegible]/ 65											.1			.1	.1	.1	.2						9	9		
[illegible]/ 63										.1	.3	.1	.1	.5	.4	.3	.1						28	28		
[illegible]/ 61									.1	.3	.2	.2	.7	.3	.4	.4							42	42		
[illegible]/ 59								.6	.6	1.2	1.0	1.2	1.2	.7	.5	.1							167	167		
[illegible]/ 57							.[illegible]	1.[illegible]	2.9	2.1	2.[illegible]	1.4	1.0	1.0	.1	.1							175	175		
[illegible]/ 55						.1	2.[illegible]	3.[illegible]	2.[illegible]	1.7	2.[illegible]	.[illegible]	.[illegible]	.[illegible]	.1	.1							197	197		
[illegible]/ 53					.[illegible]	.[illegible]	2.0	1.[illegible]	3.6	3.2	1.[illegible]	1.[illegible]	.[illegible]	.1									213	213		
[illegible]/ 51				.1	.[illegible]	1.1	2.7	3.6	2.8	1.2	1.[illegible]	.[illegible]	.1										197	197		
[illegible]/ 49				.1	.[illegible]	1.[illegible]	1.[illegible]	2.[illegible]	3.2	1.[illegible]	.[illegible]	.1	.1										153	153		
7[illegible]/ 47				.1	.[illegible]	.[illegible]	1.7	1.7	1.8	1.[illegible]	.4	.2											120	120		
76/ 75			.1	.2	.[illegible]	1.7	1.2	1.7	.[illegible]	.[illegible]	.1												62	62	99	
74/ 73			.1	.6		.3	.[illegible]	.7	.1	.1	.1	.1											40	40	94	1
72/ 71			.[illegible]	.1	.1	.1	.4	.1	.1	.1	.1												19	19	168	11
[illegible]/ 69		.1			.[illegible]	.1	.[illegible]	.[illegible]	.1	.1													21	21	235	44
[illegible]/ 67		.1				.[illegible]		.1	.2		.1	.1											12	12	221	77
[illegible]/ 65				.1			.1																4	4	255	112
[illegible]/ 63					.1						.1												2	2	169	124
[illegible]/ 61									.1	.1													2	2	179	131
[illegible]/ 59			.1																				2	2	66	125
[illegible]/ 57		.1																					1	1	23	137
[illegible]/ 55																									13	139
[illegible]/ 53																									6	117
[illegible]/ 51																									6	105
[illegible]/ 49																										85
[illegible]/ 47																									3	43
[illegible]/ 45																									2	29
[illegible]/ 43																									1	39
[illegible]/ 41																										25
[illegible]/ 39																										29
[illegible]/ 37																										13
[illegible]/ 35																										8
[illegible]/ 33																										3

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 46-61 NOV
STATION STATION NAME YEARS MONTH

PAGE [illegible] 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31								
[illegible]/31																									5
[illegible]/27																									2
[illegible]/25																									2
[illegible]/21																									2
[illegible]/19																									2
[illegible]/17																									1
TOTAL	.2	.4	1.2	2.7	6.7	13.1	16.9	17.9	13.5	10.6	5.6	4.8	3.0	1.7	1.3	.4		1441		1440		1440			

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2828389	61061	42.4	12.893	1440							
Dry Bulb	9877966	118986	82.6	5.669	1440			89.3	86.1	66.7	2.6	90
Wet Bulb	5426307	95961	66.6	4.679	1440			47.3	8.3			90
Dew Point	4661731	81037	56.3	8.391	1440		.9	9.2	.1			90

USAFETAC FORM AUG 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
2 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41 81 0 / DHAHRAN SAUDI ARABIA / 46-61 / NOV

STATION / STATION NAME / YEARS / MONTH

PAGE 1 / 1500-1700 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31							
0 / 95														.1					1	1		
4 / 93										.1		.1	.1		.1	.1			8	8		
7 / 91									.1		.2	.1	.1	.4	.1	.1			14	14		
1 / 89								.3	.1	.2	.5	.5	.4	.3	.1	.1			34	34		
7 / 87							.4	.7	.9	.6	.4	.4	.2	.1					53	53		
0 / 85					.1	.0	1.0	2.3	1.5	1.2	1.1	.5	.1						122	122		
0 / 83				.1	.5	1.1	2.3	2.2	1.3	.9	.6	.1	.1						128	128		
1 / 81				.3	1.2	2.2	2.2	2.5	1.6	1.1	.9	.1	.1						133	133		
2 / 79				.5	1.2	4.2	3.3	3.9	1.6	.8	.5								225	225		
7 / 77			.2	.6	3.3	2.0	3.3	2.0	.7	.4	.2								179	179	3	
5 / 75				1.0	2.1	3.4	2.3	1.5	.5	.1									157	157	41	
4 / 73	.1	.1	.3	1.1	.9	2.6	2.1	.6	.6	.1									126	126	98	13
7 / 71		.2	.6	.7	1.6	.5	1.1	.4	.2	.1		.1							79	79	160	34
2 / 69		.1	.4	.6	1.3	.5	.3	.2		.2									53	53	265	70
6 / 67			.1		.1	.1	.4	.1	.1	.1		.1							16	16	226	119
6 / 65		.1		.1	.1	.3	.2	.1	.1	.1	.1								14	14	221	145
4 / 63					.1	.1	.1			.1									5	5	175	148
2 / 61			.3		.1	.1				.1									8	8	98	159
7 / 59				.1	.1	.1			.1										4	4	46	154
1 / 57																					48	151
2 / 55																					11	100
4 / 53																					3	78
2 / 51																					7	65
1 / 49																					3	55
4 / 47																					1	32
0 / 45																					5	39
4 / 43																					1	14
3 / 41																						7
1 / 39																						9
3 / 37																						5
1 / 35																						2
3 / 33																						3
1 / 31																						1
1 / 27																						2

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) AUG 66 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA — 46-61 — NOV

STATION — STATION NAME — YEARS — MONTH

PAGE 2 — 1500-1700 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]/ 25																					1
[illegible]/ 23																					1
[illegible]/ 21																					2
1[illegible]/ 17																					2
[illegible]/ 13																					1
TOTAL	.1	.4	2.3	6.1	12.2	21.0	19.9	16.3	9.3	6.2	4.5	2.0	1.2	.2	.3	.2		1409	1409	1409	1409

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4212377	74567	52.9	13.749	1409							
Dry Bulb	3806667	111107	78.9	5.672	1409			88.0	78.6	42.7	.6	90
Wet Bulb	6327505	94177	66.8	9.823	1409			50.7	9.1			90
Dew Point	5049837	83603	59.3	7.736	1409		.6	15.1	.8			90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 46-61 NOV
STATION STATION NAME YEARS MONTH

PAGE 1 1[illegible]-2[illegible]
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31							
9[illegible]/ 87								•1											1	1		
[illegible]/ 85						•1	•1	•2	•1										7	7		
47/ 83				•1	•1	•2	•3	•1	•1										15	15		
[illegible]/ 81			•1	•6	1•2	•7	•5	•1											44	44		
[illegible]/ 79			•9	2•4	2•[illegible]	2•8	•3	•1											133	133		
71/ 77			•8	4•2	3•3	1•1	1•[illegible]	•1											152	152	[illegible]	
76/ 75			2•4	5•2	3•[illegible]	2•8	•4	•[illegible]											216	216	[illegible]3	[illegible]
74/ 73		•1	2•8	5•6	2•6	3•1	•5												216	216	184	2[illegible]
72/ 71		1•[illegible]	4•[illegible]	4•4	4•[illegible]	1•4	•6		•1										233	233	165	[illegible]3
[illegible]/ 69		1•4	3•3	3•2	3•[illegible]	2•3	•6		•1										227	227	234	13[illegible]
[illegible]/ 67		•1	1•4	1•6	2•[illegible]	1•3	•6	•1											100	100	233	196
[illegible]/ 65		•3	•4	1•3	•6	1•1	•3												59	59	213	200
[illegible]/ 63		•1	•1	•2	•[illegible]	•6	•1	•1											27	27	167	183
[illegible]/ 61		•3			•[illegible]	•1		•1	•2										17	17	107	144
[illegible]/ 59					•1	•1	•1	•1	•2										8	8	[illegible]1	142
[illegible]/ 57					•1		•1		•1										4	4	[illegible]5	[illegible]
[illegible]/ 55					•1				•1										2	2	[illegible]3	37
[illegible]/ 53																					[illegible]0	42
[illegible]/ 51																					[illegible]5	33
[illegible]/ 49																					[illegible]5	[illegible]3
47/ 47																					[illegible]6	[illegible]
[illegible]/ 45																					[illegible]2	16
[illegible]/ 43																					[illegible]3	11
[illegible]/ 41																					[illegible]1	[illegible]
[illegible]/ 39																					[illegible]1	
[illegible]/ 37																						[illegible]
[illegible]/ 35																						[illegible]
[illegible]/ 31																						[illegible]
3[illegible]/ 29																						1
[illegible]/ 27																						1
[illegible]/ 25																						1
[illegible]/ 21																						1
[illegible]/ 19																						3
16/ 15																						1

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

41616 DHAHRAN SAUDI ARABIA 46-61 NOV
STATION STATION NAME YEARS MONTH

PAGE 2 16 0-2000
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TTL		3	417	328	825	417	7	5	1	4									1439		1439
																		1439		1439	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7098400	99752	69.3	11.298	1439							
Dry Bulb	7719787	105173	73.1	4.787	1439			52.7	48.9	8.4		52
Wet Bulb	5373066	95462	66.3	5.287	1439			48.2	6.8			96
Dew Point	5640370	89482	62.2	7.273	1439		.7	26.8	1.9			96

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] | DHAHRAN SAUDI ARABIA | 46-67 | NOV
STATION | STATION NAME | YEARS | MONTH

PAGE 1 | 2100-2300
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
4/ 83					.1	.1	.1											4	4		
2/ 81				.4	.1	.1	.1											10	10		
7/ 79			.3	1.2	.4	.5					.1							38	39		
7-/ 77		.2	1.5	2.2	2.4	.4												102	102		
75/ 75		.6	3.2	5.3	1.5	.9		.1										166	166	24	2
74/ 73		.8	3.6	4.9	1.4	1.2	.3											168	168	65	36
72/ 71		1.8	6.3	4.1	2.5	.7	.2											211	211	136	56
71/ 69	.1	3.1	6.2	4.1	2.3	1.1	.1	.1										235	235	193	132
69/ 67	.3	1.5	4.4	2.9	2.0	.4	.4											163	163	216	175
67/ 65		1.0	2.2	2.8	1.7	.7	.5											123	123	205	160
64/ 63		.6	.9	2.0	1.3	1.0	.1	.1										91	91	156	184
62/ 61		.3	.7	.8	.7	.3	.1											41	41	126	135
60/ 59		.1	.1	.3	.5			.4	.1									2	22	91	111
58/ 57					.1		.1	.1	.1									8	8	64	100
56/ 55					.1			.1	.1									5	5	37	76
54/ 53				.1		.1												3	3	30	54
52/ 51																				17	42
50/ 49																				2	21
48/ 47																				4	22
46/ 45																				8	21
44/ 43																				4	1
42/ 41																				3	0
40/ 39																				1	3
38/ 37																					2
36/ 35																					1
34/ 33																					3
32/ 31																					3
30/ 29																					3
28/ 27																					1
26/ 25																					3
24/ 23																					3
22/ 21																					3
TOTAL	.4	8.9	30.3	31.6	17.2	7.3	2.2	.9	.4		.1							1380	1787	1380	1380

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 92 F	Total
Rel. Hum.	7c24754	102590	74.3	11.987	1380							
Dry Bulb	6896022	97314	70.5	4.943	1380			71.5	31.8	2.0		90
Wet Bulb	5904412	89918	65.2	5.746	1380			41.3	5.8			90
Dew Point	5338120	85130	61.7	7.924	1380		1.1	25.8	2.1			90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] DHAHRAN SAUDI ARABIA 46-61 [illegible] NOV
STATION STATION NAME YEARS MONTH

[illegible] 311
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 99																•0		1	1		
[illegible] / 97															•0	•0	•0	3	3		
[illegible] / 95											•			•1	•1	•1	•1	13	13		
[illegible] / 93										•1	•1	•1	•1	•1	•1	•1	•0	36	36		
[illegible] / 91									•1	•1	•1	•1	•1	•1	•1	•1		66	66		
[illegible] / 89								•2	•2	•2	•3	•2	•2	•2	•1	•0		168	168		
[illegible] / 87						•0	•0	•1	•6	•4	•4	•3	•2	•2	•1	•0		274	274		
[illegible] / 85					•0	•2	•6	1•0	•7	•4	•5	•2	•2	•1	•0	•0		446	446		
[illegible] / 83				•0	•2	•4	•6	•7	•9	•7	•4	•2	•1	•1				506	506		
[illegible] / 81			•0	•2	•5	•9	1•1	1•1	•7	•4	•4	•1	•1	•1				420	420		
[illegible] / 79		•0	•3	•7	1•0	1•7	•9	1•1	•7	•4	•2	•1	•0					793	793		
75 / 77		•1	•5	1•0	2•5	•8	1•0	•2	•4	•3	•1	•0	•0					861	361	11	
[illegible] / 75		•3	1•9	2•5	1•5	1•7	•9	•7	•2	•2	•1							1153	1153	194	17
[illegible] / 73	•0	•0	2•3	2•3	1•1	1•2	•0	•4	•2	•1	•1	•0						1001	1001	566	1 7
[illegible] / 71	•1	1•0	3•0	2•0	1•	•8	•7	•2	•1	•1	•0	•0						1054	1054	1021	724
[illegible] / 69	•1	1•6	3•2	2•0	1•7	1•1	•6	•2	•2	•1	•0							1195	1196	1535	727
[illegible] / 67	•1	1•2	2•2	1•6	1•0	•6	•4	•2	•2	•1	•0	•0						565	565	1570	1069
[illegible] / 65	•1	1•0	1•1	1•5	•9	•6	•3	•2	•1	•1	•0							732	732	1363	1182
[illegible] / 63	•1	•6	•9	1•2	1•0	•6	•2	•2	•1	•0	•0							552	552	1249	1113
[illegible] / 61	•0	•5	•6	•7	•6	•3	•2	•1	•1	•0								764	764	1037	1095
[illegible] / 59	•0	•2	•3	•5	•3	•2	•2	•1	•1									272	272	759	903
[illegible] / 57		•0	•2	•2	•2	•1	•1	•1	•0	•0								108	108	531	672
[illegible] / 55		•0			•1	•0	•0	•1	•0									53	53	403	767
[illegible] / 53			•0	•0	•1	•0	•1	•1	•0									30	30	236	611
[illegible] / 51			•0	•0	•0	•1	•0	•0	•0									15	15	171	523
[illegible] / 49						•0	•0											4	4	106	398
[illegible] / 47							•0											3	3	53	264
[illegible] / 45																				71	276
[illegible] / 43																				23	176
[illegible] / 41																				25	123
[illegible] / 39																				14	141
[illegible] / 37																				6	64
[illegible] / 35																					61
[illegible] / 33																					38

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
A[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4[illegible] [illegible]HAHRAN [illegible] A[illegible]JP — STATION — 4[illegible]61 — YEARS — [illegible] — MONTH

[illegible] — HOURS (L.S.T.) ALL

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ [illegible]																					4
/ [illegible]																					[illegible]
/ 27																					[illegible]
/ [illegible]																					[illegible]
/ [illegible]																					11
/ 21																					[illegible]
/ 19																					1
/ 17																					1
/ 15																					[illegible]
/ 13																					[illegible]
17 / 11																					[illegible]
/ [illegible]																					1
TOTAL	.0	7.8	13.5	17.1	14.7	11.4	9.2	7.7	5.5	3.6	2.7	1.7	1.0	.7	.3	.2	.1	11157	11157	11157	11157

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4[illegible]845,733	7[illegible]5065	63.2	18.683	11157							
Dry Bulb	6091219[illegible]	819892	73.5	7.728	11157			583.7	385.7	166.6	3.4	720
Wet Bulb	47168179	722135	64.7	6.197	11157			313.7	49.4			720
Dew Point	3959[illegible]065	656725	58.9	9.169	11157		12.[illegible]	145.7	7.9			720

USAFETAC FORM AS 64 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] CLIMATOLOGY BRANCH
USAFETAC
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION [illegible] STATION NAME 41-61 YEARS DEC MONTH

PAGE 1 GREENWICH HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]			.1	.1														4	4		
[illegible]		.1	.2	.2														9	9	.	
[illegible]	.2	.6	.4															12	12	16	4
[illegible]	.4	1.4	1.6	.5		.1												23	23	33	24
[illegible]	.4	1.9	1.1	.4	.2													38	38	76	19
[illegible]	.2	4.2	7.4	1.6	.1	.2	.1											141	142	67	44
[illegible]	.1	3.5	2.6	1.8	.2	.1												110	120	117	73
[illegible]	.3	2.5	4.9	3.6	.6	.4	.2											229	229	170	142
[illegible]		.3	.5	3.2	1.7	.1	.1											277	280	143	147
[illegible]	.1	3.6	6.1	2.5	1.2	.3	.1	.1										300	300	121	146
[illegible]		.1	4.2	1.7	1.0	.4	.1											142	139	144	137
[illegible]		.7	2.5	1.4	.5	.2	.2											78	79	142	137
[illegible]		.7	.9	.6	.6	.1												46	45	125	147
[illegible]	.1	.2	.1	.5	.2	.4	.4											34	34	99	144
[illegible]						.2	.1											3	3	85	71
[illegible]			.1				.1											4	4	36	66
[illegible]			.3		.1													6	5	20	43
[illegible]				.1														1	1	14	2
[illegible]																				11	31
[illegible]																				5	17
[illegible]																				3	12
[illegible]																					10
[illegible]																					6
[illegible]																					3
[illegible]																					5
[illegible]																					4
[illegible]																					1
[illegible]																					2
[illegible]																					1
[illegible]																					2
TOTAL	1.5	31.8	37.2	17.7	6.9	3.8	1.5	.1										1391	1388	1388	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]763896	108726	78.3	13.325	1388							
Dry Bulb	[illegible]102346	83924	60.3	[illegible].294	1391			13.2	.9			
Wet Bulb	44929.7	79467	56.5	6.419	1388			5.0				
Dew Point	4043076	73914	53.3	8.783	1388		2.2	2.5				

USAFETAC FORM AM 64 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] | GRAMBLAN SAUDI ARABIA | 47-61 | [illegible]
STATION | STATION NAME | YEARS | MONTH

[illegible] HOURS [illegible]

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]			•															4	4		
[illegible]	•1	•5	•4	•1	•1													11	11		1
[illegible]	•7	•6	•6	•4														72	84	2	2
[illegible]	•4	1.6	2.2	•6	•1													81	71	12	11
67	•1	2.5	1.7	•8	•1													85	78	47	55
[illegible]	•5	4.1	1.4	1.2	•2	•4	•1											111	115	3	4
[illegible]	•4	3.6	3.1	1.3	•4	•4	•3	•1										178	136	10	9
[illegible]	•6	4.8	5.6	2.2	1.0	•6	•1	•1										219	221	4	6
[illegible]	1.0	5.3	5.3	2.4	1.7	•6	•1											226	224	13	15
[illegible]	•3	4.1	4.5	2.3	1.2	•5	•1											144	146	26	29
53	•3	1.1	4.5	2.4	•5	•4	•1											132	135	171	139
[illegible]	•1	•6	2.1	1.3	•1	•1												68	68	110	112
[illegible]	•1	•4	•6	1.3	•7	•5	•1											58	58	130	116
[illegible]		•1	•4	•4	•4	•4	•1											25	25	6	7
[illegible]			•1	•1														2	2	47	57
[illegible]				•4	•1	•3												10	10	33	4
[illegible]			•1															1	1	52	52
[illegible]				•1														1	1	6	33
[illegible]																				14	3
[illegible]																				2	17
[illegible]																				3	15
[illegible]																					1
[illegible]																					6
[illegible]																					4
[illegible]																					3
[illegible]																					7
[illegible]																					1
[illegible]																					1
[illegible]																					
TOTAL	•53	234	117	2	8	4	3	1	1									[illegible]	[illegible]		1787
																		1347	1387		

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	745443	1[illegible]8383	79.[illegible]	14.116	1387							
Dry Bulb	4335256	[illegible]1693	58.[illegible]	5.446	1387			9.6	•3			93
Wet Bulb	4247316	76727	55.[illegible]	6.611	1387			3.7				93
Dew Point	3799743	71495	[illegible].2	9.086	1387		3.1	2.8				93

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

...AL CLIMATOLOGY BRANCH
...ETAC
...ATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 46-61 [illegible]
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0900
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] 77				.1														1	2		
[illegible] 76			.1	.1														1	1	.	
[illegible] 75		.1	.1	.1	.1													11	11		
[illegible] 74	.2	.4	.2	.4	.1													24	26	12	3
[illegible] 73	.3	.7	1.2	.8	.4	.1	.1	.1										5	66	32	20
[illegible] 72	.1	2..	..	1..	.4	.1	.1	.1										12	12	34	17
[illegible] 71	.1	2.1	1.2	.5	.7	.2	.2	.1	.1									90	89	61	42
[illegible] 70	.2	2.5	1.6	1..	.5	.9	.1		.1									110	111	72	49
[illegible] 69	.4	3.3	2.3	1.7	1.1	.6	.4	.1										142	142	96	79
[illegible] 68	.4	2.2	4.2	3..	1.1	.7	.4											179	180	104	96
[illegible] 67	..	3.2	4.9	2.5	2.5	1.3	.2											219	221	134	94
[illegible] 66	.4	3.3	4.4	2.5	1.2	.8	.1											232	233	157	124
[illegible] 65	.4	1.3	3.1	2.1	1.1	.6	.2											167	168	176	132
[illegible] 64	.2	.4	2.5	1.1	1.2	.5	.1	.1										67	67	146	128
[illegible] 63		.1	1.3	.5	.5	.5	.1											42	43	143	110
[illegible] 62		.3	.4	.4	.5	.4												27	27	116	102
[illegible] 61			.1	.2	.1	.3												13	13	59	103
[illegible] 60				.2		.1												4	4	34	61
[illegible] 59			.1	.5														6	6	25	76
[illegible] 58																				1	44
[illegible] 57																				1	43
[illegible] 56																					23
[illegible] 55																				1	19
[illegible] 54																					[illegible]
[illegible] 53																					17
[illegible] 52																				.	11
[illegible] 51																					7
[illegible] 50																				.	[illegible]
[illegible] 49																					1
[illegible] 48																					1
[illegible] 47																					1
[illegible] 46																					1
TOTAL	.4	23.5	31.1	19.8	12.9	6.9	2.9	.7	.1									1417	1423		1417

1417 1417

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	105989	74.8	15.365	1417							
Dry Bulb	[illegible]	83934	59.0	5.957	1423			11.6	1.0			93
Wet Bulb	4274946	77214	54.5	6.902	1417			3.9				93
Dew Point	[illegible]	71492	50.5	9.511	1417		4.4	2.6				93

USAFETAC FORM 0-26-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

4 416' — SHAHPAN SAUDI ARABIA — 46-61 — OCT

STATION — STATION NAME — YEARS — MONTH

PAGE 1 — 0900-1100 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 81					.1	.1			.1									4	4		
/ 79				.1	.2	.2	.1				.2							17	17		
77			.1	.4	.3	1.0	.1	.2	.6	.1	.1		.1					42	42		
75			.3	.3	1.0	1.1	.4	.7	.2	.3	.1							45	45		
73		.1	.4	1.7	1.0	1.5	1.4	.6	.4	.4	.3	.1						133	133	13	
71			1.0	1.4	2.7	1.9	2.1	.4	.6	.1								160	160	16	7
69		.2	1.6	1.8	2.3	2.8	1.8	.2	.5	.4								153	153	39	17
67		.4	1.1	1.3	2.9	2.8	1.8	1.6	.7	.3								153	153	101	47
65		.7	.8	2.7	2.6	1.9	1.9	.8	.4									173	174	114	52
63	.1	.3	.9	2.5	1.7	1.7	1.3	.2	.1	.1								171	134	123	69
61	.1	.3	1.1	1.9	1.7	1.4	1.3	.5										129	130	132	77
59	.1	.6	1.1	1.1	1.2	.3	.6	.2	.1									93	93	102	108
57	.1	.6	.6	.8	1.1	.6	.3	.1										55	55	106	97
55		.2	.3	.4		.4	.2	.2										29	29	144	136
53		.1	.5	.2	.3	.3	.1	.1										22	22	125	128
/ 51			.1	.1	.3	.2												10	10	90	130
/ 49				.1	.1													3	3	66	99
/ 47				.1	.1													3	3	94	94
/ 45																				92	84
/ 43																				9	71
/ 41																				14	51
/ 39																				2	47
/ 37																					35
/ 35																					23
/ 33																					14
/ 31																					11
/																					7
/ 27																					4
/ 25																					3
/ 23																					2
/ 21																					1
/ 19																					1
/ 17																					1

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) 8-65 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 416 [illegible] DHAHRAN SAUDI ARABIA 46-61 DEC
STATION STATION NAME YEARS MONTH

PAGE 2 [illegible]
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31								
T O T A L	.5	4.6	9.8	17.9	21.1	18.7	13.2	8.1	3.7	1.6	.8	.1	.1									1449	1454		1446
																						1449		1446	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5570874	869603	60.0	15.752	1449							
Dry Bulb	6590896	97582	67.1	6.118	1454			51.6	18.3	.3		93
Wet Bulb	5043077	85007	58.7	6.022	1449			15.3	.3			93
Dew Point	4618992	75104	51.8	9.337	1449		2.3	7.3				93

USAFETAC FORM 0-26 S (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AS 64

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 48-61 DEC
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31								
87/ 87									.1	.1									2	2					
86/ 86									.1	.3		.1							7	7					
85/ 85								.1	.1		.2	.1			.1				5	5					
84/ 84					.2	.3		.1	.2		.2	.4	.2	.1					27	27					
83/ 83				.1	.4	.4	1.1	1.0	.4	.6	.4	.3	.5	.1					76	79					
82/ 82				.1	.3	1.3	1.9	1.6	1.8	1.0	.7	.5	.1						154	154					
81/ 81			.2	.7	1.0	3.4	3.6	3.5	.7	1.1	.6	.2							232	232					
80/ 80			.1	1.4	1.4	3.4	3.3	4.1	2.0	.7	.2	.3							248	248	3				
79/ 79			.3	1.1	1.0	2.8	4.4	2.3	1.1	.9	.1								231	231	16	4			
78/ 78		.1	.6	.5	2.1	2.4	2.5	2.0	.9	.3									176	176	51	7			
77/ 77		.1	.2	.7	1.7	2.1	1.3	.9	.3	.3	.1								121	122	1 8	24			
76/ 76		.1	.4	.5	1.1	1.5	.7	.2	.1	.2									72	74	157	37			
75/ 75	.1	.3	.3	.7	.5	.8	.2	.3	.1										50	50	196	58			
74/ 74		.4	.3	.1	.2	.4		.1											26	26	249	91			
73/ 73		.3	.1	.2	.3	.4	.1	.1											22	22	270	124			
72/ 72	.1	.5		.1	.1	.1	.1	.2											16	15	196	140			
71/ 71		.2	.1		.2	.1			.1										10	10	112	150			
70/ 70				.1				.1											3	3	68	141			
69/ 69																					72	136			
68/ 68																					13	151			
67/ 67																					16	93			
66/ 66																					1	47			
65/ 65																					3	53			
64/ 64																						50			
63/ 63																					3	29			
62/ 62																						17			
61/ 61																						25			
60/ 60																						13			
59/ 59																						3			
58/ 58																						9			
57/ 57																						3			
56/ 56																						4			
55/ 55																						2			
54/ 54																						1			

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PS CHROMETRIC SUMMARY

[illegible] / [illegible] JEDDAH SAUDI ARABIA 61-61 DEC
STATION STATION NAME YEARS MONTH

PAGE 1 12 UTC-14 UTC
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31										
[illegible] / 1[illegible]																											1
[illegible] / 1[illegible]																											
TOTAL	..	2.2	2.[illegible]	6.4	12.[illegible]	19.8	19.6	17.2	[illegible].2	5.[illegible]	[illegible].7	2.[illegible]	.7	.1	.1										14[illegible].[illegible]		14[illegible]	148

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4257714	76246	51.5	14.731	1483							
Dry Bulb	7746788	106898	72.1	5.281	1483			30.3	47.5	5.0		93
Wet Bulb	5506361	99961	60.5	4.913	1483			11.5	.5			93
Dew Point	4129996	77196	52.2	8.357	1483		2.2	2.2				93

USAFETAC FORM AM 94 0265 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 416 | DHAHRAN SAUDI ARABIA | 48-61 | DEC
STATION | STATION NAME | YEARS | MONTH

PAGE 1 | 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]									.1									1	1		
[illegible]							.1		.1		.1							4	4		
[illegible]						.2	.1	.1		.1			.1					7	7		
[illegible]				.1	.1	.2	.2	.2	.2	.2	.1	.3						29	29		
[illegible]			.1	.1	.3	.6	.6	.5	.7	.2	.1	.1						51	51		
[illegible]			.5	.7	.9	2.2	1.4	1.4	.6	.8	.2	.1						129	129		
[illegible]		.1	.5	1.2	1.7	3.3	2.[illegible]	1.[illegible]	1.1	.3	.1							168	168	4	1
[illegible]			1.1	2.3	3.2	3.5	3.1	.8	1.1		.2	.1						222	222	20	6
[illegible]		.1	1.[illegible]	3.[illegible]	4.[illegible]	4.7	3.6	.2	.3	.3	.1							249	249	34	15
[illegible]	.1	.3	1.2	2.7	4.2	3.7	1.9	.[illegible]	.1	.1								214	214	73	<1
[illegible]		.3	.6	2.1	3.4	1.[illegible]	.6	.4	.1	.1	.1							140	142	139	31
[illegible]	.1	.7	.8	1.2	1.7	1.7	.5	.4	.1									104	104	203	75
[illegible]		.7	.3	1.7	.[illegible]	1.[illegible]	.3	.1		.1								61	61	252	122
[illegible]		.3	.1	.6	.1	.4	.2		.1	.1								27	29	259	130
[illegible]	.1	.6	.3	.1	.[illegible]		.2											24	24	188	145
[illegible]		.1		.2	.3	.1	.1											11	11	126	169
[illegible]				.1				.1										4	4	71	164
[illegible]								.1										1	1	39	142
[illegible]				.1		.1	.1											3	3	23	120
[illegible]																				11	3
[illegible]																				6	39
[illegible]																				2	67
[illegible]																					36
[illegible]																				3	26
[illegible]																				2	12
[illegible]																					9
[illegible]																					1
[illegible]																					1
[illegible]																					2
[illegible]																					2
[illegible]																					3
[illegible]																					1
[illegible]																					2
[illegible]																					1

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

41061 — STATION
DHAHRAN SAUDI ARABIA — STATION NAME
46-61 — YEARS
DEC — MONTH

PAGE — 15.0-17.0 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31				
16/ 17																					1
18/ 12																					1
TOTAL	.2	3.1	6.8	15.7	20.9	23.6	14.2	7.0	4.7	2.1	1.4	.3	.1					1452	1449		1449
																		1449		1449	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5307581	85109	58.7	14.598	1449							
Dry Bulb	7022999	100709	69.4	5.114	1452			68.8	24.9	1.7		93
Wet Bulb	5313414	87456	60.4	8.910	1449			8.4	.3			93
Dew Point	4235146	77526	53.5	7.761	1449		1.1	2.8	.1			93

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
2 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | [illegible] STATION NAME | [illegible] YEARS | DEC MONTH

PAGE 1 | [illegible] HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
7 / 77					.1													2	2		
[illegible] / 7[illegible]			.1	.3	.2		.1											13	13		
76/ 75		.4	1.[illegible]	.[illegible]	.[illegible]	.[illegible]						.1						41	41		
[illegible] / 71		.[illegible]	1.2	1.1	.[illegible]	.1	.1	.1		.1								67	67	17	4
[illegible] / [illegible]		.[illegible]	3.4	2.4	1.[illegible]	.4	.1											139	139	42	26
[illegible] / 67		1.[illegible]	[illegible].4	4.3	2.[illegible]	.6	.1											211	211	52	21
70/ [illegible]	.1	2.1	[illegible].7	5.7	3.[illegible]	.7	.1											257	257	104	53
4/ 63	.1	2.[illegible]	[illegible].1	6.3	3.7	.[illegible]	.1	.1										275	275	179	87
[illegible] / 61		1.[illegible]	3.[illegible]	[illegible].5	[illegible].1	1.1	.[illegible]	.1										215	215	205	137
[illegible] / 59		.[illegible]	[illegible].3	2.[illegible]	1.1	.[illegible]	.1	.1										119	121	250	161
[illegible] / 57		.[illegible]	1.[illegible]	1.[illegible]	1.[illegible]	.[illegible]	.1			.1								60	81	291	159
[illegible] / [illegible]		.[illegible]	.4	.[illegible]	.[illegible]	.1			.1									41	41	176	196
54/ 53			.1	.[illegible]	.[illegible]	.1			.1									16	16	52	121
[illegible] / 51			.1	.1	.[illegible]													6	6	61	146
[illegible] / 49			.1	.1		.1												4	4	41	97
[illegible] / 47				.1		.3												5	5	20	64
[illegible] / 45			.1		.1													2	2	14	39
[illegible] / 43																				5	46
[illegible] / 41																				[illegible]	27
[illegible] / 39																				3	16
[illegible] / 37																				4	13
[illegible] / 35																					7
[illegible] / 33																					3
[illegible] / 31																					3
[illegible] / 29																					1
[illegible] / 27																					[illegible]
[illegible] / 25																					3
[illegible] / 23																					1
[illegible] / 21																					1
[illegible] / 19																					[illegible]
16/ 15																					
TOTAL	.1	11.4	30.4	32.3	18.2	6.0	1.3	.3	.1	.1	.1							1479	1482		1479
																		1479		1479	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2088639	108014	73.0	11.638	1479							
Dry Bulb	6146585	95195	64.2	4.635	1482			26.8	3.[illegible]			93
Wet Bulb	5207003	87431	59.1	5.335	1479			6.4				93
Dew Point	4577997	81571	55.2	7.[illegible]17	1479		.8	3.2				93

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

PSYCHROMETRIC SUMMARY

41[illegible] DHAHRAN SAUDI ARABIA 46-61 DEC
STATION STATION NAME YEARS MONTH

PAGE 1 21[illegible]-23[illegible]
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]/ 79			.1	.3	.1													6	6		
[illegible]/ 77		.1	.7	.4		.2												17	17		
[illegible]/ 71	.1	1.6	.8	.1	.1	.1												31	31	13	4
[illegible]/ 65	.1	.9	2.7	.8	.2													74	74	33	24
[illegible]/ 67	.1	2.7	3.4	1.6	.3	.1	.1											116	116	53	41
[illegible]/ 65	.2	3.2	5.3	2.7	.3	.3												178	178	91	53
[illegible]/ 63	.2	3.2	4.4	3.6	.5	.4												179	179	121	76
[illegible]/ 61		5.4	7.5	4.7	1.7	.5	.1											261	262	157	165
[illegible]/ 59	.1	3.7	6.8	3.7	1.3	.8		.1										241	242	194	172
[illegible]/ 57		2.4	3.6	1.9	1.1	.4	.1	.1										130	131	245	142
[illegible]/ 55		1.3	1.2	1.0	.3	.6												75	75	194	175
[illegible]/ 53		.4	.3	.9	.7	.2												43	43	172	166
[illegible]/ 51		.1	.4	.3	.3	.3		.1										23	23	67	143
[illegible]/ 49		.1		.2		.1	.2	.1										10	10	69	62
[illegible]/ 47				.1			.1											3	3	28	57
[illegible]/ 45			.2	.1	.1	.2												9	9	21	65
[illegible]/ 43			.1	.1	.1													3	3	11	35
[illegible]/ 41																				8	30
[illegible]/ 39																				4	14
[illegible]/ 37																				2	16
[illegible]/ 35																				2	13
[illegible]/ 33																					3
[illegible]/ 31																					7
[illegible]/ 29																					6
[illegible]/ 27																					
[illegible]/ 25																					1
[illegible]/ 23																					3
[illegible]/ 21																					2
[illegible]/ 19																					1
[illegible]/ 17																					
[illegible]/ 15																					1
TOTAL	1.1	23.8	37.9	23.3	9.1	3.9	.6	.2										1419	1422	1419	1419

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	9639.99	109351	77.1	12.236	1419							
Dry Bulb	5486142	88046	61.9	4.034	1422			16.9	1.5			93
Wet Bulb	4797453	82 01	57.8	5.866	1419			5.2				93
Dew Point	4290146	77190	54.4	8.120	1419		1.4	3.2				93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AIR 84

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 41[illegible] | DHAHRAN SAUDI ARABIA | 48-61 | DEC
STATION | STATION NAME | YEARS | MONTH

HOURS (L.S.T.) | ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																						TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31										
≥ 87									.1	.1																
83 - 86									.1	.1		.1														
79 - 82							.1	.1	.1	.1		.1											17	13		
75 - 78						.1	.1	.1	.1	.1	.1	.1	.1	.1										36			
71 - 74					.1	.1	.2	.2	.1	.1	.1	.1	.1	.1										124	124		
67 - 70				.1	.2	.4	.2	.3	.4	.2	.1	.1	.1											251	251		
63 - 66			.2	.4	.6	.6	.7	.7	.2	.3	.1	.1												481	481		
59 - 62		.1	.3	.7	.6	1.1	.9	.5	.4	.2	.1	.2												621	621	94	1
55 - 58	.1	.4	.8	.9	1.1	1.1	1.2	.7	.4	.1	.1	.2												775	775	115	33
51 - 54	.2	.7	1.6	1.3	1.4	1.3	.9	.5	.2	.1	.1													945	945	242	158
47 - 50	.1	1.3	2.4	1.6	1.4	1.2	.7	.4	.1	.1	.0													1093	1094	460	171
43 - 46	.1	2.0	2.5	2.1	1.4	.8	.5	.2	.1	.0	.0													1113	1113	782	347
39 - 42	.2	2.1	2.2	2.4	1.3	.8	.3	.2	.1	.0														1093	1097	1111	756
35 - 38	.1	2.7	2.9	2.4	1.1	.7	.4	.2		.0														1109	1101	1257	784
31 - 34	.1	2.4	3.2	2.1	1.1	.7	.2	.1	.0	.0														1127	1137	1515	1034
27 - 30	.2	2.0	2.7	1.5	1.1	.5	.2	.1		.0														955	961	1541	979
23 - 26	.1	1.5	1.9	1.3	.7	.4	.1	.1	.0															674	687	1243	1102
19 - 22	.1	.4	1.4	.9	.5	.2	.1	.1																426	427	994	1178
15 - 18	.0	.2	.7	.4	.4	.2	.0	.1																241	241	710	1164
11 - 14	.0	.1	.3	.4	.2	.2	.1	.1																151	151	579	899
7 - 10		.1	.1	.1	.1	.1	.1																	66	66	335	663
3 - 6			.1	.1	.1	.1	.1																	30	30	206	603
-1 - 2			.1	.1	.1	.0																		23	23	117	479
-5 - 0			.1	.0																				6	6	62	354
-9 - -6				.1																				1	1	50	246
-13 - -10																										46	212
-17 - -14																										10	140
≤ -18																										6	116
																										71
																										58
																										33
																										28
																										20
																										15

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

416 DHAHRAN SAUDI ARAB.A 46-61 DEC
STATION STATION NAME YEARS MONTH

PAGE ALL
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B.-W.B	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																					
[illegible]																					11
[illegible]																					
[illegible]																					
[illegible]																					
TOTAL	1.41	5.23	5.15	7.17	2.11	[illegible]	[illegible]	4	3	2	1	1	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	114.9	11468	11468

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	76345[illegible]	7[illegible]8718	68.8	17.194	11468							
Dry Bulb	47[illegible]0470	737798	64.2	7.114	11499			281.6	99.5	7.6		744
Wet Bulb	3[illegible]674477	663749	57.9	6.318	11468			54.6	1.6			744
Dew Point	32630136	605490	52.8	8.667	11469		17.5	23.6	.1			744

AFE.AC FORM 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible]AL CLIMATOLOGY BRANCH
[illegible]
A[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
4[illegible]	DHAHRAN SAUDI ARABIA	[illegible]-62	ALL

PAGE [illegible] — HOURS (L.S.T.): ALL

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
1[illegible]/11[illegible]																	•	7	7		
11[illegible]/117																	.0	1[illegible]	1[illegible]		
11[illegible]/11[illegible]																.0	.1	74	74		
11[illegible]/113																	.1	1[illegible]8	1[illegible]9		
11[illegible]/111												.0	.0	.0	.0	.0	.4	514	514		
1[illegible]/10[illegible]										.5	.0		.0	.0	.0	.1	.6	1213	1213		
1[illegible]/107										.0	.0	.0	.0	.0	.1	.1	1.1	17[illegible]1	1761		
1[illegible]/105										.0	.0	.0	.1	.1	.2	.3	1.2	2595	2595		
1[illegible]/103								.0	.0	.0	.1	.1	.2	.2	.3	.4	.9	2854	2[illegible]54		
1[illegible]/101						•	.0	.0	.0	.1	.1	.2	.2	.3	.3	.4	.7	3154	3155		
1[illegible]/99						.0	.0	.1	.1	.1	.1	.2	.3	.3	.4	.4	.5	3582	3582		
[illegible]/97						.0	.1	.1	.1	.2	.2	.3	.3	.4	.4	.4	.3	3794	3794		
[illegible]/95				.0	.0	.1	.1	.2	.2	.2	.3	.4	.4	.4	.4	.3	.2	4415	4415		
[illegible]/93			.0	.1	.1	.2	.2	.2	.2	.3	.4	.4	.4	.4	.3	.2	.1	4556	4565		
[illegible]/91			.0	.1	.2	.2	.2	.2	.3	.4	.5	.5	.3	.4	.3	.1	.2	5421	5426	3	
[illegible]/89		.0	.1	.3	.3	.3	.3	.5	.3	.5	.6	.5	.4	.4	.2	.1	.1	6365	6373	31	
[illegible]/87		.1	.2	.3	.7	.4	.4	.4	.6	.5	.6	.4	.3	.2	.1	.0	.0	6479	6486	269	43
[illegible]/85	•	.2	.4	.4	.4	.5	.4	.6	.5	.5	.5	.3	.3	.1	.0	.0		6882	6894	1346	262
[illegible]/83	.0	.2	.4	.3	.3	.4	.5	.5	.5	.4	.4	.2	.1	.1	.0			5962	5963	2569	1072
[illegible]/81	.0	.2	.3	.4	.4	.5	.5	.5	.4	.3	.2	.2	.1	.0	.0			5507	5511	3337	1816
[illegible]/79	.0	.2	.3	.4	.4	.7	.4	.4	.3	.3	.2	.1	.0	.0				5447	5454	4475	2354
7[illegible]/77	.0	.2	.3	.5	.7	.4	.5	.4	.3	.2	.1	.1	.0	.0				5184	5193	5302	2653
7[illegible]/75	.0	.2	.4	.6	.6	.7	.4	.5	.3	.2	.1	.0	.0					5484	5493	7786	2849
[illegible]4/73	.0	.2	.5	.7	.5	.6	.5	.4	.3	.1	.1	.0						5113	5126	9694	3356
7[illegible]/71	.0	.2	.0	.6	.5	.6	.6	.7	.2	.1	.0	.0						5418	5428	11067	3954
[illegible]/69	.0	.3	.0	.7	.8	.7	.6	.5	.2	.1	.0	.0	.0					5990	6001	11696	5[illegible]79
6[illegible]/67	.0	.3	.5	.7	.0	.6	.4	.2	.1	.0	.0	.0						5596	5600	10444	5911
[illegible]/65	.0	.7	.8	.9	.7	.5	.3	.1	.1	.1	.0							5722	5729	10264	6663
[illegible]4/63	.1	.7	.3	.9	.6	.5	.2	.1	.0	.0	.0							5213	5217	9698	7879
[illegible]/61	.0	.8	.9	.7	.5	.3	.2	.1	.0	.0								4853	4856	8065	6746
[illegible]/59	.1	.0	.9	.7	.4	.3	.1	.1	.0	.0	.0							4621	4631	8742	9444
[illegible]/57	.1	.6	.7	.5	.4	.2	.1	.0	.0	.0								3692	3697	7651	9453
[illegible]/55	.0	.5	.5	.5	.3	.1	.0	.0	.0									2711	2714	6135	9773
[illegible]4/53	.0	.3	.5	.3	.2	.1	.0	.0	.0									1895	1896	4551	9222

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

404160 DHAHRAN SAUDI ARABIA 46-62
(AIR STA) (STATION NAME) (YEARS)

HR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	56.4	58.1	63.7	71.6	80.4	86.2	88.8	87.5	83.0	76.0	68.7	60.3	73.3
	S.D.	5.214	5.283	5.304	4.984	4.693	4.545	3.834	3.661	3.749	4.170	5.164	5.294	12.359
	TOTAL OBS	1395	1296	1395	1259	1301	1259	1393	1395	1350	1395	1349	1391	16178
3-05	MEAN	55.0	56.7	62.5	70.2	79.2	84.7	88.0	86.6	81.8	74.2	66.9	58.7	72.0
	S.D.	5.456	5.378	5.184	4.963	4.620	4.490	3.664	3.616	3.662	4.130	5.258	5.446	12.584
	TOTAL OBS	1395	1299	1394	1260	1302	1260	1392	1395	1350	1395	1350	1392	16184
6-08	MEAN	55.1	57.2	64.4	74.0	83.9	89.5	92.2	90.9	85.5	77.3	68.2	58.9	74.8
	S.D.	5.641	5.661	5.573	6.004	5.723	5.040	4.368	4.803	4.907	5.202	6.000	5.957	14.265
	TOTAL OBS	1398	1334	1458	1315	1389	1380	1424	1427	1381	1429	1380	1423	16738
9-11	MEAN	63.1	65.5	73.0	83.8	94.1	101.0	103.3	102.9	97.5	89.1	78.1	67.1	84.8
	S.D.	5.564	5.568	6.155	6.334	6.240	4.595	4.183	4.384	4.732	5.240	6.234	6.018	15.591
	TOTAL OBS	1448	1374	1551	1398	1421	1410	1457	1456	1410	1457	1411	1458	17289
12-14	MEAN	68.2	70.1	77.3	87.7	97.2	104.5	106.3	106.3	101.6	93.6	82.6	72.1	88.9
	S.D.	5.089	5.476	6.590	6.704	6.210	4.422	3.858	3.806	4.333	5.022	5.669	5.281	14.926
	TOTAL OBS	1456	1401	1581	1427	1426	1440	1488	1488	1439	1486	1440	1483	17555
15-17	MEAN	66.3	68.2	74.8	84.5	93.9	101.2	102.8	102.3	97.1	89.1	78.9	69.4	85.7
	S.D.	5.336	5.778	6.702	6.714	6.055	4.489	3.848	3.628	4.462	5.031	5.672	5.114	14.383
	TOTAL OBS	1455	1374	1550	1401	1426	1410	1457	1457	1410	1456	1409	1452	17257
18-20	MEAN	61.1	62.7	68.6	77.4	86.4	92.9	95.1	94.1	89.0	81.9	73.1	64.2	78.8
	S.D.	4.827	5.060	5.255	5.447	5.085	4.364	3.635	3.371	3.764	4.118	4.787	4.635	13.063
	TOTAL OBS	1485	1400	1579	1427	1426	1440	1488	1488	1439	1488	1439	1482	17581
21-23	MEAN	58.5	60.2	65.9	74.0	82.7	88.5	90.6	89.6	85.0	78.4	70.5	61.9	75.4
	S.D.	4.941	5.057	5.088	4.987	4.586	4.313	3.594	3.319	3.670	4.008	4.943	4.934	12.357
	TOTAL OBS	1454	1330	1456	1320	1364	1320	1426	1426	1380	1425	1380	1422	16703
ALL HRS	MEAN	60.6	62.5	69.0	78.1	87.4	93.9	96.0	95.2	90.2	82.6	73.5	64.2	79.4
	S.D.	7.064	7.247	7.810	8.492	8.464	8.459	7.788	8.170	8.256	8.219	7.728	7.114	15.013
	TOTAL OBS	11526	11808	11964	10807	11055	10919	11525	11534	11159	11531	11158	11899	135885

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

4 4160 DHAHRAN SAUDI ARABIA 46-62
(A...) (STATION NAME) (YEAR)

HR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN A
0-02	MEAN	52.9	54.1	58.3	63.6	67.8	69.7	74.1	76.6	74.3	70.5	63.8	56.5	65.2
	S D	6.094	5.835	5.131	4.945	4.909	4.753	6.151	5.587	5.707	5.348	6.380	6.409	9.767
	TOTAL OBS	1395	1296	1395	1259	1301	1258	1392	1394	1350	1383	1349	1388	16161
03-05	MEAN	51.6	52.9	57.4	62.4	66.7	67.9	71.5	73.9	71.7	68.3	61.8	55.0	63.4
	S D	6.466	6.150	5.350	5.084	5.095	4.810	6.542	6.405	6.619	5.887	6.725	6.611	9.603
	TOTAL OBS	1395	1298	1394	1260	1302	1260	1392	1391	1350	1383	1349	1387	16161
06-08	MEAN	51.2	52.7	57.9	63.1	67.6	68.2	71.5	73.4	71.2	67.6	61.5	54.5	63.4
	S D	6.523	6.324	5.486	5.115	5.012	4.679	6.575	6.657	6.890	6.402	7.085	6.902	9.669
	TOTAL OBS	1394	1334	1458	1315	1389	1380	1424	1426	1381	1419	1380	1417	16721
09-11	MEAN	55.4	56.5	60.4	65.1	69.4	70.9	74.4	75.5	73.8	70.5	65.4	58.7	66.3
	S D	5.707	5.344	4.607	4.037	3.877	3.204	4.824	4.766	5.233	5.300	5.942	6.222	8.507
	TOTAL OBS	1468	1374	1551	1398	1421	1410	1457	1458	1410	1449	1411	1449	17276
12-14	MEAN	57.5	57.8	61.1	65.8	70.0	71.7	75.6	76.8	74.7	71.2	66.6	60.8	67.5
	S D	4.688	4.756	4.495	4.195	3.975	3.033	4.301	4.300	4.745	4.374	4.679	4.913	7.959
	TOTAL OBS	1450	1400	1581	1427	1425	1439	1488	1488	1439	1477	1440	1480	17640
15-17	MEAN	56.9	57.3	60.8	65.8	70.1	71.9	76.4	78.0	75.6	72.4	66.8	60.4	67.7
	S D	4.925	5.006	4.587	4.535	4.210	3.270	4.649	4.352	4.856	4.271	4.823	4.910	8.524
	TOTAL OBS	1455	1374	1549	1401	1426	1410	1457	1456	1410	1465	1409	1449	17241
18-20	MEAN	55.7	56.5	60.6	66.0	70.2	72.2	76.9	79.6	77.5	73.3	66.3	59.1	67.8
	S D	5.152	5.330	4.641	4.624	4.364	4.047	4.974	4.109	4.643	4.378	5.287	5.335	9.378
	TOTAL OBS	1485	1399	1579	1427	1426	1439	1484	1487	1438	1474	1439	1479	17556
21-23	MEAN	54.4	55.4	59.6	65.0	69.2	71.1	76.1	78.8	76.1	72.2	65.2	57.8	66.7
	S D	5.519	5.524	4.739	4.733	4.819	4.661	5.846	4.854	5.211	4.753	5.746	5.866	9.698
	TOTAL OBS	1454	1330	1456	1320	1368	1320	1424	1426	1379	1414	1380	1419	16686
ALL HOURS	MEAN	54.5	55.5	59.6	64.7	68.9	70.5	74.6	76.6	74.4	70.8	64.7	57.9	66.0
	S D	6.084	5.838	5.060	4.831	4.710	4.378	5.872	5.591	5.876	5.439	6.197	6.318	9.301
	TOTAL OBS	11526	10805	11963	10807	11054	10916	11518	11526	11157	11466	11157	11466	135381

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

41[illegible] DHAHRAN SAUDI ARABIA 46-62
(STATION NUMBER) (STATION NAME) (YEARS)

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	49.5	50.5	54.1	58.1	59.7	59.7	66.1	71.2	69.7	67.4	62.4	53.3	60.0
	S.D.	8.230	7.917	6.902	7.561	9.386	10.085	11.520	9.968	9.381	7.750	9.094	8.783	11.444
	TOTAL OBS	1395	1296	1395	1259	1301	1258	1392	1394	1350	1383	1349	1388	16160
03-05	MEAN	48.3	49.3	53.2	56.7	58.4	56.9	61.4	66.7	65.5	64.6	57.9	51.5	57.6
	S.D.	8.823	8.433	7.398	8.287	9.898	10.558	12.811	11.820	11.921	9.116	9.851	9.086	11.624
	TOTAL OBS	1395	1298	1394	1260	1302	1260	1392	1391	1350	1383	1349	1387	16161
06-08	MEAN	47.3	48.5	52.7	55.4	57.0	54.3	58.8	63.5	62.5	61.3	56.2	50.5	55.7
	S.D.	9.005	8.904	8.027	8.705	10.281	10.393	13.113	12.684	12.792	10.962	10.787	9.511	11.733
	TOTAL OBS	1398	1334	1456	1315	1389	1380	1424	1426	1381	1419	1380	1417	16721
09-11	MEAN	48.4	48.8	50.5	52.2	54.0	52.1	58.1	60.7	60.7	59.4	56.9	51.8	54.4
	S.D.	8.756	8.451	8.439	8.370	9.258	8.078	10.995	10.730	11.402	10.426	9.638	9.337	10.480
	TOTAL OBS	1488	1374	1551	1398	1421	1410	1457	1458	1410	1449	1411	1449	17276
12-14	MEAN	48.4	47.5	48.2	50.8	53.0	51.4	59.0	61.4	59.9	58.2	56.3	52.2	53.9
	S.D.	8.498	8.240	8.928	8.415	9.377	7.878	10.091	10.137	10.627	9.468	8.391	8.357	10.222
	TOTAL OBS	1456	1400	1581	1427	1425	1439	1488	1488	1439	1477	1440	1480	17540
15-17	MEAN	49.[illegible]	48.1	50.1	53.2	55.6	54.5	62.7	66.2	64.8	63.5	59.3	53.5	56.7
	S.D.	7.932	8.095	8.292	8.396	9.277	7.996	9.901	9.302	9.628	7.720	7.736	7.761	10.521
	TOTAL OBS	1455	1374	1549	1401	1426	1410	1457	1456	1410	1445	1409	1449	17241
18-20	MEAN	51.1	51.3	54.7	58.7	60.9	60.7	68.3	73.6	72.3	69.1	62.2	55.2	61.5
	S.D.	7.207	7.622	6.601	7.066	8.373	8.686	9.410	7.385	7.386	6.023	7.273	7.317	10.674
	TOTAL OBS	1485	1399	1579	1427	1426	1439	1484	1487	1438	1474	1439	1479	17556
21-23	MEAN	50.7	51.4	55.0	59.3	61.0	60.9	68.7	74.0	71.9	69.0	61.7	54.4	61.5
	S.D.	7.400	7.589	6.432	6.984	9.180	10.060	10.899	8.523	8.262	6.577	7.924	8.020	11.233
	TOTAL OBS	1454	1330	1456	1320	1369	1320	1424	1426	1379	1414	1380	1419	16686
ANNUAL	MEAN	49.1	49.4	52.2	55.5	57.4	56.2	62.9	67.1	65.9	64.0	58.9	52.8	57.6
	S.D.	8.334	8.280	8.035	8.550	9.821	9.893	11.848	11.318	11.290	9.532	9.169	8.667	11.356
	TOTAL OBS	11526	10805	11963	10807	11054	10916	11516	11526	11157	11444	11157	11468	135341

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

41160 DHAHRAN SAUDI ARABIA 47-62 JAN
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20	30	40%	50	60	70	80	90		
JAN	00-02	100.0	100.0	100.0	99.2	96.3	89.5	77.5	47.3	15.5	78.4	1395
	03-05	100.0	100.0	100.0	99.2	96.3	89.9	74.7	51.3	14.1	78.8	1395
	06-08	100.0	99.9	99.7	98.9	94.3	85.6	67.6	41.1	14.2	76.9	1398
	09-11	100.0	99.6	97.7	90.7	76.5	47.9	23.6	9.2	2.2	65.5	1488
	12-14	99.9	98.4	92.3	78.9	51.2	22.6	8.2	3.3	1.2	51.1	1456
	15-17	100.0	99.0	96.0	85.7	64.5	33.5	12.8	4.7	1.0	55.4	1455
	18-20	100.0	100.0	99.3	98.1	93.3	79.9	53.8	21.0	3.4	72.6	1485
	21-23	100.0	100.0	99.9	99.4	96.4	88.9	71.7	36.4	8.3	78.1	1454
TOTALS		100.0	99.6	98.1	93.7	83.6	67.1	48.7	26.8	8.1	68.4	11526

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

41460 DHAHRAN SAUDI ARABIA 46-62 FEB
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	99.8	98.5	95.6	88.0	70.3	42.7	13.0	76.7	1296
	03-05	100.0	100.0	100.0	98.8	95.1	85.5	71.2	44.3	14.3	77.3	1298
	06-08	100.0	100.0	99.7	97.3	92.1	76.6	60.3	38.5	14.9	74.6	1334
	09-11	100.0	99.7	96.1	84.6	63.1	38.1	17.8	8.2	2.4	56.8	1374
	12-14	100.0	98.2	88.1	65.7	32.2	13.0	6.4	3.4	.9	46.4	1400
	15-17	100.0	99.6	92.8	74.1	44.4	22.2	9.[illegible]	4.7	1.3	50.6	1374
	18-20	100.0	100.0	99.6	96.9	88.1	68.1	41.3	17.0	3.4	67.3	1399
	21-23	100.0	100.0	99.8	98.5	94.1	83.2	61.[illegible]	32.7	7.9	73.7	1330
TOTALS		100.0	99.7	97.0	89.3	75.6	59.6	42.7	24.0	7.8	65.4	10805

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

41460 DHAHRAN SAUDI ARABIA 46-62 MAR
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	99.4	98.1	94.1	79.9	54.3	29.0	7.4	72.1	1395
	03-05	100.0	99.9	99.3	98.1	92.7	80.1	57.3	33.0	10.1	72.9	1394
	06-08	100.0	99.9	98.9	94.7	84.4	65.3	44.0	24.1	6.7	67.7	1458
	09-11	99.9	96.5	85.0	65.6	41.1	21.7	9.5	4.0	.3	47.9	1551
	12-14	99.6	89.9	66.4	40.2	19.3	9.6	4.0	2.0	.1	38.7	1581
	15-17	99.9	95.3	79.9	57.0	32.5	16.0	6.3	3.0	.5	44.6	1549
	18-20	100.0	99.9	99.2	94.9	80.5	54.8	26.1	10.7	1.3	62.4	1579
	21-23	100.0	100.0	99.5	97.6	92.2	73.6	44.2	21.2	4.0	68.9	1456
TOTALS		99.9	97.7	91.0	80.6	67.1	50.1	30.7	15.9	3.8	59.4	11963

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

40416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (PERIOD) APR (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	99.5	97.6	93.2	83.0	63.4	34.6	14.9	1.2	64.3	1259
	03-05	100.0	99.0	97.1	90.6	79.8	62.5	37.3	18.9	2.7	64.4	1260
	06-08	100.0	98.5	90.6	78.4	58.6	37.3	19.8	9.0	1.7	55.0	1315
	09-11	99.6	87.4	62.2	34.7	13.9	4.4	1.1	.2		36.0	1398
	12-14	99.8	77.2	43.4	16.5	5.3	2.0	.1			30.1	1427
	15-17	99.8	89.3	62.7	35.5	13.9	4.3	1.2	.2		36.3	1401
	18-20	100.0	99.4	95.8	83.7	61.7	32.4	10.5	2.1	.2	54.2	1427
	21-23	100.0	99.7	97.7	93.9	79.9	54.0	26.7	5.9	.5	61.4	1320
TOTALS		99.8	93.8	80.9	65.8	49.5	32.5	16.4	6.4	.8	50.2	10807

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

40416C STATION | DHAHRAN SAUDI ARABIA STATION NAME | 46-61 PERIOD | MAY MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	96.8	87.4	71.3	52.0	33.2	17.4	6.1	.3	52.2	1301
	03-05	100.0	97.4	84.3	68.7	51.5	34.3	20.0	8.7	.8	52.2	1302
	06-08	99.9	90.8	70.3	52.1	33.3	17.9	8.9	2.6	.1	43.3	1389
	09-11	97.1	68.1	36.6	16.4	6.8	1.6	.4			28.2	1421
	12-14	95.9	55.4	26.8	9.5	2.6	.5	.1			24.6	1425
	15-17	99.1	72.7	41.2	19.7	7.2	1.8	.3			29.8	1426
	18-20	100.0	96.0	81.1	57.0	36.1	16.7	5.0	.9		44.9	1426
	21-23	100.0	96.4	85.1	70.6	51.3	30.0	13.0	2.9	.1	50.6	1364
TOTALS		99.0	84.2	64.2	45.7	30.1	17.0	8.1	2.7	.2	40.7	11054

USAFETAC FORM AN 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

40416 0 DHAHRAN SAUDI ARABIA 46-61 JUN
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	92.6	72.6	50.4	31.6	20.9	14.1	6.1	1.4	44.5	1258
	03-05	100.0	89.9	67.7	46.8	30.6	17.5	10.2	5.4	.9	42.4	1260
	06-08	99.6	77.2	49.3	27.2	12.2	5.1	2.7	1.0	.2	33.0	1380
	09-11	94.0	44.0	10.8	1.5	.3					20.5	1410
	12-14	91.0	28.5	4.7	.9	.1	.1				17.9	1439
	15-17	96.9	51.6	15.0	3.6	.9	.1				22.4	1410
	18-20	99.9	90.3	59.7	31.1	16.4	8.6	3.1	.3		36.5	1439
	21-23	99.9	90.8	70.0	49.0	30.9	19.3	10.7	3.9	.2	43.2	1320
TOTALS		97.7	70.6	43.6	26.3	15.4	9.0	5.1	2.1	.3	32.6	10916

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

40416 DHAHRAN SAUDI ARABIA 46-61 JUL
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	95.8	79.6	57.6	45.7	30.1	26.9	14.7	2.1	51.5	1392
	03-05	99.9	90.2	66.6	47.3	33.9	26.7	20.8	12.8	3.1	45.8	1392
	06-08	99.8	78.7	48.3	31.5	21.8	15.9	9.1	4.2	.9	36.6	1424
	09-11	96.3	53.9	24.4	11.1	5.6	1.9	.1			24.7	1457
	12-14	95.3	49.7	19.1	8.8	2.8	.3				23.0	1488
	15-17	99.5	72.5	34.7	18.1	9.1	2.4	.1			29.2	1457
	18-20	100.0	96.7	75.5	51.9	33.3	20.4	8.1	1.1	.1	44.3	1484
	21-23	100.0	96.3	81.3	64.1	50.7	38.9	24.3	7.8	.8	52.1	1424
TOTALS		98.9	79.2	53.7	36.3	25.4	17.8	11.2	5.1	.9	38.4	11518

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

41606 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (PERIOD) AUG (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
AUG	00-02	99.8	99.0	92.1	79.7	66.9	55.5	41.5	24.5	5.7	62.2	1394
	03-05	100.0	97.6	83.2	65.5	50.3	40.4	32.2	23.4	8.5	55.9	1391
	06-08	99.9	89.8	64.8	46.8	33.5	25.9	17.7	10.0	3.5	44.8	1426
	09-11	98.5	63.2	32.6	16.4	7.8	2.2	.2			27.5	1458
	12-14	97.1	59.0	27.4	11.2	3.2	.1				25.1	1488
	15-17	99.7	83.6	51.2	26.6	12.1	3.0	.2			33.2	1456
	18-20	100.0	99.3	93.5	76.8	56.4	36.0	12.9	2.6	.1	53.5	1487
	21-23	99.9	99.0	95.4	85.4	72.4	61.1	39.3	13.7	1.3	62.7	1426
TOTALS		99.4	86.3	67.5	51.1	37.8	28.0	18.0	9.3	2.4	45.6	11526

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

41160 DHAHRAN SAUDI ARABIA 45-61 SEP
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70	80	90		
SEP	00-02	100.0	99.7	96.7	88.6	75.9	62.6	51.6	32.3	6.7	67.4	1350
	03-05	100.0	97.9	88.6	77.2	64.6	52.8	41.6	29.8	10.0	62.2	1350
	06-08	99.9	93.7	76.3	61.1	45.5	32.3	22.4	13.1	6.2	54.8	1381
	09-11	98.7	76.2	49.8	25.3	12.6	5.1	1.8	.4	.1	32.4	1410
	12-14	97.0	69.4	34.3	14.3	4.9	.5				27.5	1439
	15-17	99.9	88.9	64.5	37.0	17.0	4.0	.2	.1		36.7	1410
	18-20	100.0	99.6	97.3	89.6	73.8	52.6	21.4	3.7	.1	59.3	1438
	21-23	100.0	99.8	97.5	90.6	81.6	69.2	50.0	18.3	2.1	66.8	1379
TOTALS		99.4	90.7	75.5	60.5	47.0	34.9	23.6	12.2	3.2	53.3	11157

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

40416 (STATION) DHAHRAN SAUDI ARABIA (STATION NAME) 46-61 (PERIOD) OCT (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
OCT	00-02	100.0	99.9	99.1	96.7	92.8	84.5	72.4	47.4	9.6	75.9	1393
	03-05	100.0	99.9	98.5	93.9	87.6	77.9	64.9	46.9	11.6	73.8	1383
	06-08	100.0	99.2	90.7	79.2	67.8	52.9	38.3	23.3	6.3	61.3	1419
	09-11	99.7	88.5	68.6	43.9	24.6	12.0	2.5	.5	.1	39.6	1449
	12-14	99.1	82.1	53.3	26.7	7.9	1.6				32.6	1477
	15-17	100.0	97.2	85.0	59.6	33.7	11.3	2.5	.2	.1	44.5	1445
	18-20	100.0	100.0	99.9	98.1	90.5	67.1	37.3	8.3	.2	65.8	1474
	21-23	100.0	100.0	99.7	98.7	95.0	84.4	66.2	32.7	4.0	73.5	1414
TOTALS		99.9	95.9	86.9	74.5	62.5	49.0	35.5	19.7	4.0	58.4	11494

GL[illegible]AL CLIMATOLOGY BRANCH
USAFETAC
AI[illegible] WEATHER SERVICE/MAC

RELATIVE HUMIDITY

40416C DHAHRAN SAUDI ARABIA 44-61 NOV
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70	80	90		
NOV	00-02	100.0	99.6	99.0	96.7	93.9	85.6	68.8	47.3	9.7	75.5	1349
	03-05	100.0	100.0	99.3	95.2	91.3	81.8	64.9	44.6	10.8	74.5	1349
	06-08	100.0	99.6	97.3	91.1	81.9	68.0	48.3	28.1	5.7	67.7	1390
	09-11	100.0	98.0	88.6	75.5	49.3	24.4	9.4	1.3	.3	50.3	1411
	12-14	100.0	94.8	81.7	56.7	25.7	6.2	2.2	.6	.1	42.4	1440
	15-17	100.0	98.9	93.8	81.7	57.6	28.1	10.5	2.6	.1	52.9	1409
	18-20	100.0	100.0	99.4	98.9	95.2	78.0	49.0	17.4	1.3	69.3	1439
	21-23	100.0	99.6	99.3	98.6	96.4	86.4	66.5	35.4	3.8	74.3	1380
TOTALS		100.0	98.9	94.7	86.8	73.9	57.6	39.9	22.2	3.9	63.4	11157

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

40416 DHAHRAN SAUDI ARABIA 46-61 DEC
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
DEC	00-02	100.0	100.0	99.6	98.5	95.3	89.0	76.7	51.0	14.7	76.3	1398
	03-05	100.0	100.0	99.7	98.4	95.3	87.2	75.0	49.1	17.1	76.1	1387
	06-08	100.0	100.0	99.7	97.9	91.7	80.5	66.2	39.7	13.8	74.8	1417
	09-11	100.0	99.8	97.0	87.8	71.9	46.9	24.8	10.4	1.9	60.0	1449
	12-14	100.0	98.4	92.2	79.4	49.6	25.9	10.3	4.0	1.3	51.5	1480
	15-17	100.0	99.7	96.7	89.1	72.9	43.2	20.0	7.7	1.7	58.7	1449
	18-20	100.0	99.9	99.7	98.9	96.4	86.0	59.7	28.4	4.3	73.0	1479
	21-23	100.0	100.0	99.6	99.1	96.9	90.0	73.5	42.4	9.7	77.1	1419
TOTALS		100.0	99.7	98.3	93.6	83.8	66.6	50.8	29.1	8.1	68.9	11468

USAFETAC FORM AWS 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

41 05 DHAHRAN SAUDI ARABIA 46-60 ALL
STATION STATION NAME PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70	80	90		
JAN	ALL	100.0	99.6	98.1	93.7	87.6	67.1	46.7	26.3	5.1	[illegible]	11[illegible]
FEB		100.0	99.7	97.0	89.3	75.6	59.6	42.2	24.[illegible]	7.9	[illegible]	[illegible]
MAR		99.9	97.7	91.0	80.8	67.1	50.1	37.7	15.9	3.8	[illegible]	11463
APR		99.8	93.8	87.9	65.8	49.5	32.5	16.4	6.4	.8	[illegible]	[illegible]
MAY		99.7	84.2	64.3	45.7	31.1	17.3	8.1	2.7	.7	[illegible]	11,64
JUN		97.7	70.6	43.6	26.3	15.4	9.5	5.1	2.1	.7	[illegible]	[illegible]
JUL		98.9	79.2	57.7	36.3	25.4	17.8	11.2	5.1	.9	[illegible]	11,1[illegible]
AUG		99.4	86.3	67.5	51.1	37.8	25.0	14.7	9.3	2.4	[illegible]	11[illegible]
SEP		99.4	90.7	75.5	60.5	47.[illegible]	34.9	23.6	12.2	3.2	[illegible]	11157
OCT		99.9	95.9	86.9	74.5	62.5	49.0	35.5	19.7	4.2	[illegible]	11484
NOV		100.0	98.9	94.7	86.8	77.9	57.6	39.9	22.2	7.9	63.4	111[illegible]
DEC		100.0	99.7	98.[illegible]	93.6	83.8	68.6	50.6	29.1	8.1	6[illegible].9	11465
TOTALS		99.5	91.4	79.3	67.0	54.7	40.9	27.5	14.5	3.6	[illegible]	13[illegible]341

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F PRESSURE SUMMARY

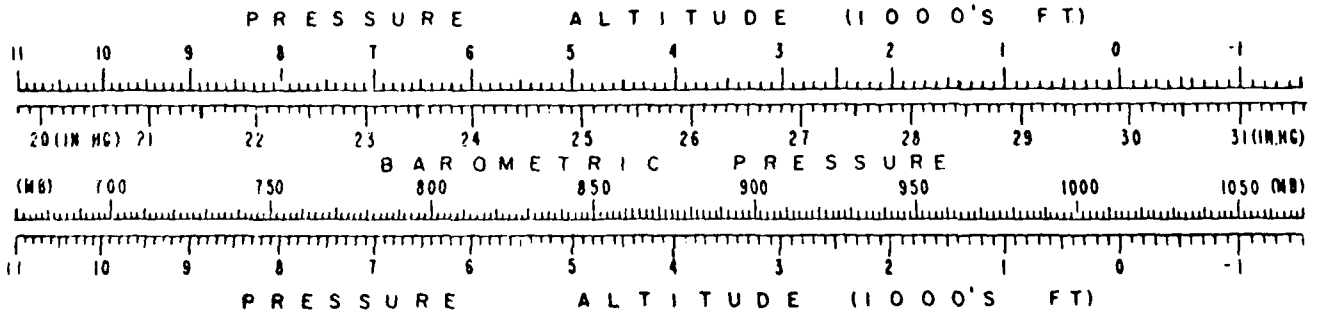
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



F

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

41 41 6 DHAHRAN SAUDI ARABIA 46-62
(AFOS) (STATION NAME) (YEARS)

HOUR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN	29.994	29.955	29.858	29.775	29.646	29.478	29.366	29.412	29.573	29.794	29.929	29.998	29.732
	S.D.	.102	.107	.113	.088	.079	.076	.054	.063	.078	.083	.074	.091	.238
	TOTAL OBS	465	432	465	419	433	419	465	465	450	465	449	463	5390
03	MEAN	29.977	29.932	29.830	29.744	29.621	29.457	29.346	29.394	29.553	29.775	29.912	29.982	29.711
	S.D.	.103	.107	.112	.086	.076	.074	.053	.062	.075	.083	.073	.090	.238
	TOTAL OBS	465	433	465	420	434	420	465	465	450	465	450	464	5396
06	MEAN	29.987	29.945	29.848	29.762	29.639	29.476	29.367	29.414	29.574	29.795	29.930	29.994	29.727
	S.D.	.105	.110	.111	.086	.077	.074	.054	.063	.076	.085	.075	.090	.235
	TOTAL OBS	465	433	465	420	457	450	464	465	450	466	450	464	5449
09	MEAN	30.039	29.998	29.903	29.811	29.681	29.506	29.396	29.447	29.622	29.843	29.981	30.045	29.773
	S.D.	.104	.107	.111	.087	.080	.076	.056	.066	.082	.085	.072	.091	.242
	TOTAL OBS	496	467	527	480	496	480	496	496	480	496	480	495	5889
12	MEAN	30.029	29.976	29.885	29.799	29.672	29.500	29.388	29.433	29.603	29.813	29.947	30.011	29.752
	S.D.	.105	.105	.109	.088	.080	.078	.057	.067	.082	.082	.071	.094	.234
	TOTAL OBS	465	467	527	480	496	480	496	496	479	496	480	495	5857
15	MEAN	29.953	29.916	29.824	29.741	29.624	29.462	29.351	29.393	29.557	29.767	29.898	29.964	29.704
	S.D.	.105	.108	.112	.091	.080	.077	.056	.063	.078	.083	.073	.091	.229
	TOTAL OBS	495	467	527	480	496	480	496	496	480	496	480	494	5887
18	MEAN	29.967	29.924	29.826	29.735	29.613	29.450	29.339	29.387	29.557	29.775	29.911	29.978	29.705
	S.D.	.103	.110	.115	.093	.080	.078	.056	.063	.079	.085	.075	.092	.237
	TOTAL OBS	495	467	527	480	496	480	496	496	480	496	480	494	5887
21	MEAN	29.999	29.957	29.863	29.769	29.639	29.473	29.367	29.418	29.592	29.807	29.940	30.007	29.736
	S.D.	.104	.107	.111	.091	.080	.078	.054	.065	.080	.083	.074	.092	.238
	TOTAL OBS	495	466	527	480	496	479	496	496	480	495	480	494	5884
ALL HOURS	MEAN	29.990	29.951	29.855	29.767	29.642	29.475	29.365	29.413	29.579	29.796	29.931	29.998	29.730
	S.D.	.107	.111	.115	.093	.082	.078	.058	.067	.082	.087	.077	.094	.237
	TOTAL OBS	3841	3632	4030	3659	3804	3688	3874	3875	3749	3875	3749	3863	45639

USAFETAC FORM 0-8 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

41160 DHAHRAN SAUDI ARABIA 46-62
(STATION) (STATION NAME) (YEARS)

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0	MEAN	1016.5	1017.3	1014.0	1011.1	1006.8	1001.1	997.3	998.8	1004.3	1011.6	1016.4	1018.7	1009.7
	S.D.	3.446	3.618	3.839	2.983	2.683	2.577	1.858	2.152	2.671	2.314	2.507	3.079	8.054
	TOTAL OBS	464.	432.	465.	418.	432.	419.	464.	464.	449.	465.	449.	463.	5384.
3	MEAN	1018.0	1016.5	1013.0	1010.1	1005.9	1000.4	996.6	998.2	1003.6	1011.1	1015.8	1018.1	1009.0
	S.D.	3.471	3.636	3.773	2.902	2.589	2.518	1.817	2.113	2.573	2.831	2.485	3.052	8.052
	TOTAL OBS	465.	433.	465.	420.	434.	420.	465.	465.	450.	465.	450.	464.	5396.
6	MEAN	1016.3	1016.9	1013.6	1010.7	1006.5	1001.0	997.3	998.9	1004.3	1011.8	1016.4	1018.5	1009.5
	S.D.	3.493	3.717	3.740	2.924	2.609	2.520	1.851	2.155	2.606	2.895	2.532	3.052	7.963
	TOTAL OBS	465.	433.	465.	420.	457.	450.	464.	465.	450.	466.	450.	464.	5449.
9	MEAN	1020.1	1018.7	1015.5	1012.4	1008.0	1002.0	998.3	1000.0	1005.9	1013.4	1018.1	1020.3	1011.0
	S.D.	3.517	3.625	3.746	2.962	2.712	2.593	1.927	2.258	2.785	2.905	2.460	3.090	8.197
	TOTAL OBS	496.	467.	527.	480.	496.	480.	496.	496.	480.	496.	480.	495.	5889.
12	MEAN	1019.0	1017.9	1014.9	1011.9	1007.7	1001.8	998.0	999.6	1005.3	1012.4	1017.0	1019.1	1010.3
	S.D.	3.551	3.576	3.709	3.003	2.718	2.643	1.951	2.291	2.786	2.795	2.443	3.186	7.939
	TOTAL OBS	465.	467.	527.	480.	496.	480.	495.	495.	479.	496.	480.	495.	5855.
15	MEAN	1017.2	1015.9	1012.8	1010.0	1006.0	1000.5	996.7	998.2	1003.7	1010.8	1015.3	1017.5	1008.7
	S.D.	3.557	3.666	3.804	3.077	2.718	2.612	1.910	2.170	2.675	2.824	2.477	3.086	7.764
	TOTAL OBS	495.	467.	527.	480.	496.	480.	496.	496.	480.	496.	480.	494.	5887.
18	MEAN	1017.6	1016.2	1012.9	1009.8	1005.6	1000.1	996.4	998.0	1003.7	1011.1	1015.7	1018.0	1008.8
	S.D.	3.557	3.734	3.871	3.140	2.734	2.643	1.896	2.173	2.679	2.873	2.545	3.112	8.041
	TOTAL OBS	494.	467.	527.	480.	496.	480.	496.	496.	480.	496.	480.	494.	5886.
21	MEAN	1018.7	1017.3	1014.1	1010.9	1006.5	1000.9	997.3	999.0	1004.9	1012.2	1016.7	1019.0	1009.8
	S.D.	3.512	3.609	3.758	3.066	2.741	2.643	1.837	2.233	2.708	2.806	2.526	3.117	8.073
	TOTAL OBS	494.	466.	527.	480.	496.	479.	496.	496.	480.	494.	480.	494.	5882.
ALL HOURS	MEAN	1016.4	1017.1	1013.8	1010.9	1006.6	1001.0	997.2	998.8	1004.5	1011.8	1016.4	1018.7	1009.6
	S.D.	3.611	3.747	3.888	3.135	2.798	2.669	1.983	2.293	2.799	2.950	2.629	3.195	8.047
	TOTAL OBS	3838	3632	4030	3658	3803	3688	3872	3873	3748	3874	3749	3863	45628

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