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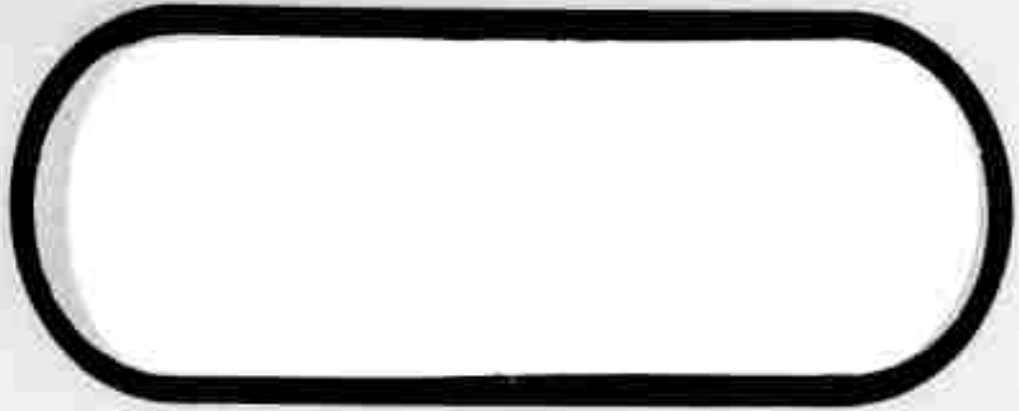
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THE **BOEING** COMPANY

CODE IDENT. NO. 81205

DOCUMENT NO. D2-81268

TITLE: X-20 DOCUMENTATION INDEX

MODEL X-20 CONTRACT NO. AF33(657)-7132

ISSUE NO.	ISSUED TO

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U3 4287-9000 REV. 9/63

REV. SYM

BOEING	NO. D2-81268
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ACTIVE PAGE RECORD

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1.0	4-1-64 74, 102, 103, 104, 105, 109, 110, 111, 112, 117, 118, 134, 136																			

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FOREWORD

This document lists The Boeing Company and its major sub-contractor documentation released since April 1960 on the X-20 Program. Boeing documents are enumerated by functional organization in numerical order. Subcontractor documents are listed by company in numerical order except for Sundstrand Corporation documentation which is listed by subject with pertinent documents indicated for each.

No reference is included to documentation prepared by suppliers other than those listed above.

"Document Status" information provided on Boeing documents can be used to determine if the contents of a particular document are currently valid; whereas "Contractual Usage" information indicated generally specifies the level and type of document coordination required with the SPO. Those documents that are to be submitted or maintained in fulfillment of a current contract requirement, and revisions thereto, require SPO approval. Documents incorporated into the contract for compliance require contract coverage of revisions. Those that are not indicated as having "Contractual Usage" generally do not require SPO official approval.

Listed documents are available from the originating company.

1.0

THE BOEING COMPANY DOCUMENTS

U3 4288 2000 REV. 8/62

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BOEING

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SECT. 1.0

PAGE 2

1.1 Engineering Documentation

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2-5142-2

REV. SYM _____

ENGINEERING	NO. D2-81268
	SECT. 1.1 PAGE 3

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE									
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO TRADE CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT		
D3-3586-1 DG Lavey	Dyna Soar Glider/B-52 Modification Statement of Work and Schedules - Engineering Released 1-18-63	U	X			X											
D2-3900-3 EL Cowgill	Atlantic Test Section Dyna Soar Step I Program Manpower Requirement Released 10-22-60	U		X													
D2-5338-1 LN Giffin	Interim Dyna Soar Step I Booster Performance Specification Released 9-19-60	C		X									X				
D2-5697-4 TK Jones	Reliability Program Plan Released 11-29-60 Last Rev 12-19-63	U	X				X									X	
D2-5697-5 EP Goodrich	X-20 Maintainability Plan Released 11-30-60	U	X				X									X	
D2-5697-9 TJ Whidden	X-20 Logistic Support Plan Released 12-30-60	U	X				X									X	
D2-5697-10 KW Carlson	Aero-Space Ground Support Equipment Plan - Dyna Soar Released 11-30-60	U														X	
D2-5697-14 EL Cowgill	System Development Test Plan Released 7-20-61	C															X

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND REVISED TO REFLECT REQUIREMENTS	INCORPORATED INTO PRICE CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR-MON BOEING ITEM	REQUIREMENT OR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-5697-16 Vol I J Graham	Development Test Plan (Summary) Dyna Soar Released 12-13-60	C		X													
D2-5697-16 Vol II J Graham	Development Test Plan - Design - Dyna Soar Released 12-13-60 Last Rev 12-23-63	C	X			X		X									
D2-5697-16 Vol IV HD Setterberg	Development Test Plan - Qualifi- cation X-20 (Dyna Soar) Released 9-21-61	C		X								X					(See Section 4 of D2-5697 for Quali- fication Test Commitments)
D2-5697-16 Vol V J Graham	Dyna Soar Development Test Plan - Functional Released 3-23-62 Last Rev 12-20-63	U	X					X									
D2-5697-16 Vol VI J Graham	Development Test Plan - Design Integration - Dyna Soar Released 10-20-61	U	X									X					
D2-5697-17 G Graham	Air Crew Training Plan Released 5-19-61	C														X	
D2-5697-18 EB Shields	X-20 Program Safety Plan Released 12-30-60 Last Rev 1-7-64	U	X														
D2-5697-19 RY Walker	Human Factors Plan Released 1-21-61	C		X													X

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE									
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INFO	PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR NON-BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT
D2-5750 JF Milton	Weapon System Effecting Dyna Soar Military Application Released 4-7-60	S	X															
D2-5851 IM Zeasman	HETS Free Flight Test Program Released 3-30-60	C			X													
D2-5956 GE Ledbetter	The Atlas "E" for Dyna Soar Step I Released 4-4-60	S		X														
D2-6145 RA Strandberg	Potential Base Locations for Operational Phase IIB - Dyna Soar Released 5-2-60	U		X														
D2-6295 TE Heindsmann	Nighttime Reconnaissance Subsystem for the Dyna Soar Satelloid Mission Released 8-12-60	S		X														
D2-6340 KS Brossel	Preliminary Study DS-I Alternate Escape Systems Released 8-18-60	C		X														
D2-6535 HA Smith	System or Subsystem Performance Specification Format - Dyna Soar Released 5-27-60	U																X
D2-6558 HA Smith	General Requirements Supplement to the Source Control Drawing for Dyna Soar Released 8-26-60	U		X														

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO FRAME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT
D2-6735 DG Lavey	Dyna Soar Acceleration Engine Study Released 6-9-60	C		X									X				
D2-6761 JA Tate	DS-I Indicator Displays, Normal Guidance and Control Released 6-13-60	S			X									X			
D2-6768 JF Milton	Proposed Statement of Work for DS Step IIIA Analysis and Planning Released 6-20-60	C			X												
D2-6776 RN Harper	Proposed Statement of Work for DS Step IIIB Weapon System Studies Released 6-20-60	S			X												
D2-6779 JF Milton	Possible Statement of Work for DS Step IIIA Analysis and Planning under Letter Contract Fund Limitations Released 7-14-60	C			X												
D2-6783-1 MA Nelson	Structural Integrity Development and Test Program - Detail Plan - Structures Technology Released 12-13-60 Last Rev 12-20-63	C	X						X								
D2-6783-2-1 MA Nelson	Structural Integrity Development and Test Program - Technical Data Report - Structures Technology Released 5-5-61	C	X														

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS	CONTRACTUAL USAGE	DOCUMENT TYPE				TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
					DESIGN/TEST CRITERIA	FOR BORING TEST	FOR HIGH BORING TEST	STUDY, ANALYSIS, PRELIMINARY DESIGN					
D2-6703-2-2 NA Nelson	Structural Integrity Development and Test Program - Technical Data Report - Structures Technology Released 7-28-61	C	ACTIVE	INCORPORATED INTO PRIOR CONTRACT FOR COMPLIANCE					X				
D2-6703-2-3 NA Nelson	Structural Integrity Development and Test Program - Technical Data Report - Structures Technology Released 10-6-61	C	X	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT					X				
D2-6703-2-4 NA Nelson	Structural Integrity Development and Test Program - Technical Data Report - Structures Technology Released 2-23-62	C	X										
D2-6703-3 NA Nelson	Structural Integrity Development and Test Program - Cost Control - Structures Technology Released 3-20-61	U	X									X	
D2-6793-1 NA Nelson	Technical Data Acquisition Requirements - Dyna Soar Vehicle - Ground Verification Phase Released 2-5-62 Last Rev 12-13-63	C	X										
D2-6793-2 NA Nelson	Technical Data Acquisition Requirements - Dyna Soar Vehicle - Structures Technology Released 7-18-61 Last Rev 12-27-63	C	X										

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									FOR JOB ITEM	FOR JOB ITEM						
D2-6793-3 AK Hepler	Glider Component Verification Test Requirements Released 11-27-63	U	X													
D2-6909-2 LW Giffin	System Description of the Dyna Soar Released 5-17-61	C			X				X							
D2-6909-2 Vol I LW Giffin	Addendum to the System Description for Dyna Soar Released 5-1-62	S			X				X							
D2-6942 JF Milton	Determination of Glider Requirement for Incorporation of Military Subsystems Released 6-21-60	C			X											
D2-6944 JD Kelly	Work Statement for Stanford Research on Study of Plasma - Induced Voltage Breakdown at High Altitude Released 10-5-60	U	X													
D2-6966-1 RM Haynes	Preliminary DS Structural Design Criteria (Airborne System) Released 9-15-60 Last Rev 12-27-63	C				X										
D2-6966-2 RM Haynes	Preliminary DS Structural Design Criteria, Step I Booster Released 10-12-60	U		X												

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FILE IN A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
									FOR BOEING ITEX	FOR BOEING ITEX						
D2-6966-3 RM Haynes	Preliminary DS Structural Design Criteria, Geophysical Environment Released 10-18-60	U		X					X							
D2-6967 RM Haynes	Dyna Soar Structural Design Criteria Aero-Space Ground Equipment Released 11-3-61	U	X						X							
D2-6977 TJ Cronin	Wind Tunnel Test Plans Released 8-25-60	C	X												X	
D2-6989 JK Geiger	Preliminary Work Statement and Performance Specification for Nose Cap Assembly Development Released 6-1-60	C			X					X						
D2-7176 HA Smith	DS Military Specification Review Report Released 9-2-60	U	X											X		
D2-7177 DW Thurlow	Environmental/Geophysical Specification, DS Preliminary Released 11-11-60	U			X					X						
D2-7177-1 DW Thurlow	Supplemental Environmental Data - Dyna Soar Released 8-28-62	U	X							X						
D2-7178 AE Dorband	Electromagnetic Interference Design and Test Criteria - Dyna Soar Released 12-20-60	U				X										

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D2-7181 JD Kelly	Program Plan - Ionisation Effects on Communications Released 7-13-60	C		X														
D2-7266 HA Smith	General Requirements Supplement to Design Procurement Specifications for Dyna Soar Released 7-15-60	U		X														
D2-7271-0 IH Zeaman	HETS - Dyna Soar Payload Recovery System Work Statement Released 8-10-60	U			X													
D2-7271-1 IH Zeaman	HETS - Dyna Soar Recovery System Design Procurement Specification Released 8-9-60	U			X													
D2-7291 HE Brasel	Escape Subsystem Trade Study Released 9-7-60	C																
D2-7290 IH Zeaman	Dyna Soar HETS Program Definition Document Released 10-28-60	C																
D2-7313 L Weirer	Environmental Control - Secondary Power Subsystem Trade Study Final Report Released 8-1-60	C																

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D2-7320 PA Wiggin	A Study to Show Cost, Weight, and Capability of Providing Automatic Landing or Drons Recovery for Unmanned Dyna Soar Flights Released 7-21-60.	C		X														
D2-7322 M Kushner	Inspection Procedure for Mo-0.5 w/o TI Sheets Procured for Dyna Soar Released 9-27-60	U		X						X								X
D2-7342 Vol I EL Cowgill	Dyna Soar Master Data Measurements List - Tabulations Released 12-6-61	U		X							X							
D2-7342 Vol II EL Cowgill	Dyna Soar Master Data Measurements List - Locations Released 12-26-61	C		X								X						
D2-7345 HA Smith	Format for Design Procurement Specification, Dyna Soar Released 8-20-60	U			X													X
D2-7346 HA Smith	Format for Engineering Program Statement Preparation, Dyna Soar Released 8-19-60	U			X													X
D2-7351 MI Christenson	Pin Size Trade Study Released 7-25-60	C			X													
D2-7368 MJ Bray	Radio Guidance Back-up Trade Study Released 7-26-60	U			X													

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D2-7382-0 JK Geiger	Engineering Program Statement, Nose Cap Assembly, Dyna Soar Released 8-18-60	U	X					X									
D2-7382-1 JK Geiger	Design Procurement Specification Nose Cap Assembly, Dyna Soar Released 8-18-60	C	X					X			X						
D2-7391 L. Meiner	Specification, Characteristics of Glider Electric Power and General Requirements for Load Equipment Released 9-2-60 Last Nov 12-27-63	U	X				X				X						
D2-7407 DJ Bray	Proposed Statement of Work for Primary Guidance Subsystem Associate Contractor Released 8-22-60	C											X				
D2-7408 DJ Bray	Primary Guidance Subsystem Performance Specification - (General) Released 10-25-60	C											X				
D2-7417-0 BA Rayfield	Engineering Program Statement for Communications and Tracking System Dyna Soar Released 9-6-60	U															X
D2-7417-1 BA Rayfield	Performance Requirements for Dyna-Soar Communications and Tracking Subsystem Released 9-9-60	C		X													X

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D2-7417-2 BA Rayfield	Supplemental Data and Information to be supplied by the Associate Contractor for Communications - Data Link Subsystem Released 4-10-61	C			X												
D2-7417-3 BA Rayfield	Functional Performance Requirements for the Communications and Tracking Subsystem, Dyna Soar Released 12-18-61	C	X						X								
D2-74170 IM Zeasman	Thermal Design Criteria for Dyna-Soar HETS Nose Cap Released 8-22-60	U				X											
D2-7481 JB Concannon	Electronics Packaging Requirements Contract Procured Flight Equipment Released 11-10-60	U	X									X					
D2-7483-0 EL Kendall	Engineering Program Statement Dyna-Soar Glider Flight Control Subsystem Electronics Released 8-17-60	U	X				X				X						
D2-7483-1 EL Kendall	Design Procurement Specification for Glider Flight Control Subsystem Electronics Released 8-17-60	C	X				X				X						
D2-7483-2 WH Bryant	Procurement Specification for Bench Level Test Equipment, Flight Control Subsystem Electronics Released 3-30-61	U	X								X						

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D2-7483-3 WH Bryant	Engineering Program Statement - Bench Test Equipment, Flight Control Subsystem Electronics Released 2-15-62	U	X					X								
D2-7486 JB Concommon	Electronic Parts Released 11-9-60	U	X									X				
D2-7486-1 JB Concommon	Electronic Parts Released 11-15-61	U	X									X				
D2-7487 RH Haynes	Vibration, Shock and Acceleration Requirements - Glider and Ground Support Equipment Released 1-23-61	U	X									X				
D2-7616 RH Hurlow	Hydraulic Pump Requirements for Accessory Power Unit Released 8-17-60 Last Rev 12-18-63	U	X				X				X					
D2-7636-1 IW Giffin	List of Data Required from Booster/ Engine Associate Contractor - Eng- ineering Released 7-18-61	U		X											X	
D2-7636-2 IW Giffin	List of Data Required by Booster/ Engine Associate Contractor - Eng- ineering Released 7-18-61	U		X												X

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO RIDE CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-7638-0 RH Hurlow	Engineering Program Statement Reaction Control Power Component - Integrated Hydrogen Cooling and Secondary Power Subsystem Released 8-17-60	U			X				X							
D2-7638-1 RH Hurlow	Design Procurement Specification Reaction Control Power Component - Integrated Hydrogen Cooling and Secondary Power Subsystem Released 8-17-60	C			X				X							
D2-7667 EL Cowgill	Dyna Soar Global Test Range Support Requirements Released 8-24-60 Last Rev 12-27-63	C	X													
D2-7683 Vol I J Pettit	Preliminary Mockup Specification for DS Step I DEI and Mockup Inspection Released 9-15-60	C			X											
D2-7683 Vol IV J Pettit	Boeing Detail Mockup Requirements for the DS Step I DEI and Mockup Inspection Released 12-12-60	C			X											
D2-7683 Vol V J Pettit	Martin Booster Mockup Requirements for the DS Step I DEI and Mockup Inspection Released 11-30-60	C			X											

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D2-7683 Vol VI J Pettit	Aerojet-General Propulsion Mockup Requirements for the DS Step I DEI and Mockup Inspection Released 11-30-60	C			X											
D2-7683 Vol VII J Pettit	Associate Contractor's Primary Inertial Guidance Mockup Requirements for the DS Step I DEI and Mockup Inspection Released 11-30-60	C			X											
D2-7683 Vol VIII J Pettit	Associate Contractor's Communication and Tracking Mockup Requirements for the DS Step I DEI and Mockup Inspection Released 11-30-60	C			X											
D2-7686-0 EL Kendall	Engineering Program Statement for Secondary Attitude Reference Subsystem Released 9-9-60	C			X			X								
D2-7686-1 EL Kendall	Design Procurement Specification for Secondary Attitude Reference Subsystem Released 9-9-60	C			X			X								
D2-7694 DG Lavy	Specification for Glider Acceleration Engines Released 9-7-60	C			X			X								

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE										
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-7719 LJ Mason	Fin Sizing for Elastic Vehicles. Released 11-8-60	C	X															
D2-7782-0 RH Hurlow	Engineering Program Statement Escap Capsule Reaction Control Power System Released 10-11-60	C			X					X								
D2-7782-1 RH Hurlow	Preliminary Escape Capsule Reaction Control Power System Development Procurement Specification Released 10-5-60	C			X					X								
D2-7784 Vol I Pt I KW Carlson	Initial Operational Ground Support System Specification (Plan) - (OGSESS) Released 11-23-60	U			X													
D2-7784 Vol I Pt II KW Carlson	Ground Support System Specification (Test Operation Plan) Part II (NASP for Dyna Som) Released 1-3-61	U			X													
D2-7784 Vol II KW Carlson	Aero-Space Ground Equipment (AGE) Recommendation Data Released 9-24-60 Last Rev 12-6-63	U							X									
D2-7793 AV Chavez	Design Procedure; ThermoDynamic and Geometric Optimization and Propellant Consumption Determination for Hydrazine Fueled Turbines Released 9-1-60	U																X

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FUJITEL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO BRIBE CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-JON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-7805-0 EL Kendall	Engineering Program Statement for Secondary Inertial Guidance Subsystem Released 9-9-60	C			X			X									
D2-7805-1 EL Kendall	Design Procurement Specification for Secondary Inertial Guidance Subsystem Released 9-9-60	C			X			X									
D2-7842 KW Knapton	Dyna Soar Engineering Charge Number System Released 10-3-60	U	X											X			
D2-7844 JK Geiger	Trade Study Dyna Soar Controlled Environment Volume Released 9-2-60	C		X										X			
D2-7846 CV Oswald	Breakdown and Corona Onset Voltage as a Function of Frequency, Temperature, Pressure and Electrode Configuration Released 10-4-60	U	X											X			
D2-7868 BA Rayfield	Test Instrumentation Subsystem Performance Specification Released 9-30-60	U	X														
D2-7907 PG Kafka	Thermal Prediction Methods - Dyna-Soar No. 3 Cap Released 9-13-60	U	X														X

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			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR FOR-BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-7915 JW Johnson	Preliminary Definition of Military Subsystems for Dyna Soar Step IIIA Testing Released 10-17-60	S			X											
D2-7915-1 JW Johnson	Definition of Military Subsystems for Step IIIA Testing Released 5-31-61	S		X												
D2-7916 TJ Widdon	Dyna Soar Spare Parts Provisioning Procedures for Suppliers Released 9-7-60	U			X										X	
D2-7924 TJ Cronin	Design Integration Test Requirements Dyna Soar Released 2-6-61	C			X											
D2-7937-1 BT White	Engineering Release Schedule - Dyna Soar Mockup Released 4-6-61	U			X											
D2-7937-2 RE Gunn	Engineering Release Schedules - Equipment Released 1-12-62 Last Rev 12-27-63	U														
D2-7937-3 HA Smith	Engineering Responsibilities Under Contract Statement of Work Reinstated 4-1-63 Last Rev 12-20-66	U														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE									
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA	REQUIREMENT OR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT	
D2-8000 J Graham	System Development (Flight) Test Requirements, Dyna Soar (Step I) Preliminary Released 5-9-61	C			X									X			
D2-8004 Vol I RL Campbell	Sequential and Functional Diagrams Dyna Soar Step I (Sequential Diagram Index) Released 1-30-61	U			X									X			
D2-8004 Vol II RL Campbell	Sequential and Functional Diagrams Dyna Soar Step I (Sequential Diagrams) Released 1-30-61	U			X									X			
D2-8005 LH Giffin	Dyna Soar (Step I) Captive Firing Test Program Released 9-22-60	C			X									X			
D2-8007 RA Strandberg	Boeing Area Activation Plan Ground Launch Program Released 4-11-63	U	X											X			
D2-8007-0 RA Strandberg	Boeing Area Activation Plan Ground Launch System Development Test Program Dyna Soar Step I Released 11-17-61	U	X				X										
D2-8007-1 RA Strandberg	Boeing Area Activation Schedules - Ground Launch Program Released 7-2-63 LAH, Nov 12-27-63	C	X														(This revision is 90% complete)

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			ACTIVE	OBSCLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO FIRM CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST FOR BOEING ITEM	REQUIREMENT OR CRITERIA FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-8010-3 RA Strandberg	Design Criteria for Dyna Soar Missile Operators Building, CCMTA Florida Released 4-11-61	U	X			X					X						
D2-8012 EC Hussey	Dyna Soar Backup Guidance Released 9-30-60	C		X									X				
D2-8014 EC Hussey	Six Degree of Freedom Analog Computer Simulation for Dyna Soar Glide Phase Guidance Law and Automatic and Manual Trajectory Control Studies Released 10-6-60	U	X											X			
D2-8015-0 WJ McEwen	Engineering Program Statement for 3000°F Surface Temperature Transducer System Released 10-19-60	U	X							X							
D2-8015-1 WJ McEwen	Design Procurement Specification for a 3000°F Surface Temperature Transducer System Released 10-19-60	U	X							X							
D2-8017 WE Irman	Escape System - Preliminary Design Released 10-12-60	C	X													X	
D2-8018 VE Brown	Dyna Soar Escape System Evaluation Released 10-12-60	C	X													X	

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			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	REQUIREMENT INCORPORATED INTO TRADE CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR-MON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT	
D2-8019 RL Campbell	Procedures for Preparing, Releasing and Revising Sequential and Functional Diagrams - Dyna Soar Released 8-3-61	U			X												
D2-8020 RM Otis	Maintenance Concept for the Dyna-Soar Step I Program Released 11-11-60	U			X										X		
D2-8021-1 HW Montgomery	Edwards Test Section - Dyna Soar Step I Program Manpower Requirements Released 10-27-60	U			X												
D2-8022 KW Carlson	USAF Specification MIL-D-9/11.2C, as modified for the Dyna Soar Program Released 2-6-61	U			X												
D2-8023 RM Penneck	Glider Ground Launch Control Equipment Requirements Released 6-1-62 Last Rev 12-20-63	U			X												
D2-8025 VE Branel	Molybdenum (Moly) Trade Study Report Released 1-7-61	C			X												
D2-8031 JD Kelly	Dyna Soar Step I Communication System Analysis (Propagation Technical Report) Released 11-4-60	C		X													

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	RESOLVED	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT		
									FOR	FOR	FOR	FOR	FOR	FOR	FOR	FOR	
D2-8031-1 JD Kelly	Dyna Soar Step I Communication System Analysis Released 7-12-61	C	X											X			
D2-8031-2 JD Kelly	Dyna Soar Propagation Technical Data Released 9-27-61	C	X			X											
D2-8031-3	Ion Sheath Studies Released		X														
D2-8033 RM Otis	Electronic Packaging Requirements for Dyna Soar Ground Equipment Released 7-10-61	U	X									X					
D2-8035 EL Covgill	Dyna Soar Step I Facilities Requirements Specification - Remote Test Sites Released 10-18-60	C				X											
D2-8036 JW Johnson	Preliminary Feasibility Test Instrumentation for Dyna Soar Military Equipment Released 11-21-60	S				X								X			
D2-8036-1 JW Johnson	Feasibility Test Instrumentation for Dyna Soar Military Equipment Released 6-21-61	S				X								X			
D2-8037 EE Diltz	IS Quarterly Technical Progress Report for Months of August and September 1960 - Engineering Division Released 10-19-60	C															X

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT	
D2-8037-1 EE Diltz	DS Quarterly Technical Progress Report for Months of October thru December 1960 - Engineering Portion Released 1-26-61	C			X											X
D2-8039 CD Burns	Protective Finish Requirements for Dyna Soar Released 5-11-61	U			X						X					
D2-8040-1 J Graham	Optimum Glider/Booster Test Program Trade Study (Glider Static Test Program) Released 12-17-60	U		X												
D2-8041 IM Zeasman	Dyna Soar HETS Program Summary Released 11-22-60	U			X											X
D2-8042 EE Diltz	Dyna Soar Monthly Technical Progress Report, October 1960 - Engineering Portion Released 11-23-60	C			X											X
D2-8042-1 EE Diltz	Dyna Soar Monthly Technical Progress Report, November 1960 - Engineering Portion Released 12-14-60	C			X											X
D2-8046 BC Muzzey	Study of Human Factors Principles for the Design and Evaluation of Dyna Soar Cockpit Instrumentation Released 5-22-61	U	X													X

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FILE/FILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO RATE CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-8047 EM Dornon	Integrated Hydrogen Cooling and Secondary Power Subsystem Released 11-22-60 Last Rev 12-13-63	U	X														
D2-8050 OB Haugon	Determination of Optimum Degree of Ground Check-out Equipment Automation for DS-J Glider Released 10-13-60	C	X										X				
D2-8051 RA Strandberg	Dyna Soar Step I Glider and ORR Information for Launch Feasibility Design Criteria Released 11-22-60	C			X												
D2-8052 DH Christenson	Initial Dyna Soar Step II Booster Performance Requirements Released 11-16-60	S		X													
D2-8053-1 DH Christenson	Appendix B of Initial Dyna Soar Step II Booster Performance Requirements Released 11-16-60	S		X													
D2-8055-0 RE Wagner	Engineering Program Statement for Dyna Soar Test Instrumentation Subsystem Released 11-23-60 Last Rev 12-27-63	U	X							X							
D2-8055-1 RE Wagner	High Performance Specification for Test Instrumentation Subsystem Released 11-23-60 Last Rev 12-13-63	U	X							X							

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE				DOCUMENT TYPE					
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO RFD CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-8056 TE Heindsmann	Engineering Progress Report, Dyna-Sear Step IIB Reconnaissance Subsystems Released 3-29-61	S	X												X
D2-8057 EM Donnen	Hydrogen Tankage and Controls - Integrated Hydrogen Cooling and Secondary Power Subsystems - DS Released 11-22-60 Last Rev 12-13-63	C	X			X					X				
D2-8058 EM Donnen	Oxygen Tankage and Controls - Integrated Hydrogen Cooling and Secondary Power Subsystems Released 11-22-60 Last Rev 12-13-63	U	X			X					X				
D2-8059 EP Goodrich	Maintenance Analysis Instructions, Dyna Sear Program Released 11-9-60	U		X											X
D2-8060 JB Concannon	Guido for the Choice and Application of Capacitors in the Design of Electronic Equipment Released 2-2-61	U			X						X				
D2-8061 TK Jones	Glider Subsystem Redundancy Trade Study Report Released 1-11-61	C			X										X

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR FOR-BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-8062-0 WJ McEwen	Engineering Program Statement for a 3000°F Surface Heat Flux Transducer System Released 12-2-60	U	X						X								
D2-8062-1 WJ McEwen	Design Procurement Specification for a 3000°F Surface Heat Flux Transducer System Released 12-2-60	U	X						X								
D2-8065 Vol I H Chamberlin	Dyna Soar Design Data Book Released 6-15-62 Last Rev 12-27-63	C	X								X						
D2-8065 Vol II KW Carlsson	AGE Design Data Book Released 5-28-62 Last Rev 1-23-64	U	X								X						
D2-8067 Vol I WJ McEwen	Dyna Soar System Hazard Analysis Released 9-20-61	U	X														X
D2-8068 WJ Christensen	Glider/Booster Air Vehicle Interface Specification, Dyna Soar Released 7-27-61	C															
D2-8068-1 WJ Christensen	Glider/Transition - Booster Interface Specification Released 7-31-62	U	X														

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-8069 RL Campbell	System Analysis and Integration Report Released 6-16-61	C			X											
D2-8071 TK Jones	Reliability Analysis Report Released 1-1-61 Last Rev 1-13-64	C	X										X			
D2-8072 TK Jones	System Reliability and Safety Trade Study Released 2-22-61	C						X								
D2-8073 GE Graham	Escape Subsystems Performance Specification Released 2-9-61	C		X												
D2-8076 RY Walker	Training Equipment Planning Information (Aircrew) Released 3-29-61	C		X												
D2-8079 HD McGraw	DS-I Standard Aircraft Characteristics Released 9-12-61	C		X												
D2-8080-1 LJ Mason	Glider Performance Characteristics Report Released 9-1-61 Last Rev 1-10-64	C	X						X							
D2-8080-2 LJ Mason	Air Vehicle Performance Characteristics Report Released 9-15-61 Last Rev 1-10-64	S	X													

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL ISSUE			DOCUMENT TYPE						
			ACTIVE	DISCONTINUED	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FUTURE PROCUREMENT	INCORPORATED INTO THIS CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA FOR WHICH DESIGN/TEST TYPE	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-8081 AL Nagel	Preliminary Ionisation Environment Report Released 8-23-61	C	X												
D2-8083 All Lee	Glider Stability and Control Analysis, Model 814-2050 Released 8-11-61 Last Rev 1-10-61	C	X			X									
D2-8083-1 All Lee	Addendum to Glider Stability and Control Analysis - Model 814-2050 Released 1-10-61	C	X												
D2-8084 OK Dragaseth	Air Vehicle Stability and Control Analysis Report, Model 851-1006 Released 9-5-61	C	X			X									
D2-8085 DA Turner	Estimated Weight Report - Dyna-Sour Released 6-26-61	C	X					X							
D2-8086 DA Turner	Weight and Balance Status Report - Dyna Sour Released 8-14-61 Last Rev 12-1-63	C	X					X							
D2-8087 Vol I KS Brossel	Crew Station Design Requirements Specification Released 6-13-61	U	X												
D2-8087 Vol II KS Brossel	Crew Station Design Requirements Specification Released 6-13-61	U	X												

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-8087 Vol III KS Brossel	Crew Station Design Requirements Specification Released 8-29-61	C	X													
D2-8088 BC Muzzey	Mission Guidance and Energy Management Analysis Report Released 12-12-60	C	X								X					
D2-8088-1 BC Muzzey	Mission Guidance and Energy Management Analysis Report Released 5-1-61	C	X								X					
D2-8088-2 BC Muzzey	Mission Guidance and Energy Management Analysis Report Released 6-13-62	C	X								X					
D2-8088-3 BC Muzzey	Mission Guidance and Energy Management Analysis Report Released 4-3-63	C	X						X							
D2-8088-4 BC Muzzey	Mission Guidance and Energy Management Analysis Report Released 11-12-63	C	X						X							
D2-8088-5 BC Muzzey	Mission Guidance and Energy Management Report Released 2-10-64	C	X													
D2-8090 DJ Bray	Study of Guidance Switching Transients During First Stage Boost Flight Released 12-30-60	C			X											

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	DESIGN/TEST CRITERIA FOR BOEING ITEM	REQUIREMENT OR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT	
D2-8091 RN Harper	A Light Weight Dyna Soar Configuration for Unmanned Global Flight Released 12-9-60	C		X									X				
D2-8092 JF Milton	Study Planning Report Dyna Soar Step IIIA Planning and Analysis Released 11-30-60	C			X									X			
D2-8094 EL Congill	Dyna Soar Range Support Specification - AFFTC Released 12-9-60 Last Rev 12-26-63	C	X					X									(The last revision to this document consisted of a summary sheet)
D2-8095 WB King	Structure Description Report Released 7-19-61	C						X									
D2-8096 RM Haynes	Acoustic Design Environment and Test Requirements Released 6-5-63	U															
D2-8097 F Piltz	Dyna Soar Thermal Monitor Report Released 12-13-60	U						X									
D2-8098 H Chamberlin	Performance Specification for Fire Protection and Safety Subsystem Released 6-13-61	U											X				
D2-8100 DJ Bray	Radio Guidance Analysis, Back-up Trade Study and Recommendations Report Released 1-27-61	C															

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE									
			ACTIVE	ORDINATE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO EPC/ILLI	INCORPORATED INTO THIS CONTRACT FOR COMPLIANCE	PROVISIONAL SPECIFICATION	DESIGN/TEST CRITERIA	DESIGN/TEST REQUIREMENT	SAFETY ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-5101 IRL McCallen	Report on Combination Lock - Drafting Table Released 3-16-61	U	X														
D2-5102 DJ Bray	Radio Guidance Performance Specification Released 1-19-61	C			X												
D2-5103 RH Harper	Study Planning Report Step III Studies Released 11-30-60	S	X														
D2-5104 TK Jones	Blast and Fragmentation Hazards from Booster Detonations Released 3-10-61	C	X														
D2-5107 RH Haynes	Structural Factors Trade Study Report Released 2-5-61	C	X														
D2-5106 AL Hayes	Preliminary Aerothermodynamic Analysis Report Released 8-15-61 Last Rev 1-10-64	C	X				X										
D2-5105-1 AL Hayes	Addendum to Aerothermodynamic Environment Analysis Report Released 1-31-61	C	X														
D2-5109 RH Haynes	Preliminary Vibration and Acoustics Analysis Report Released 9-1-61	U	X				X										

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FUTURE CONTRACT REQUIREMENT	INCORPORATED INTO FRIE CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN		TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-8109-1 RM Haynes	Revised Analysis X-20 Vibration and Acoustic Environment Released 1-10-61	U	X									X						
D2-8112 AK Hepler	Stress Analysis Approach - Dyna-Soar Glider Released 9-12-61	U	X									X						
D2-8113 JE Lowe	Preliminary Thermal Analysis of the Dyna Soar Glider Released 7-20-61 Last Rev 12-27-63	C	X				X											
D2-8117 BC Muzzey	Analog Computer Mechanization for Guidance Law Studies Released 12-2-60	U																
D2-8118 RY Walker	Applications of Anthropometric Data for Developing Design Dimensions Released 1-24-61	U	X															
D2-8120 MM Haynes	Air Vehicle External Loads Report (Preliminary) Released 8-17-61	C	X				X											
D2-8120-1 RM Haynes	Air Vehicle Pitch Plane External Loads Interim Report (Cycle 8) Released 10-11-63	C	X				X											
D2-8120-2 RM Haynes	Air Vehicle Yaw Plane External Loads Interim Report (Cycle 8) and Cycle 8 Pitch Plane Revision Released 1-10-64	C	X															

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE									
			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR NON-BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-8121 JE Lowe	External Loads Report (Glider and Transition - Preliminary) Released 8-1-61 Last Rev 12-27-63	C	X			X												
D2-8123-1 RM Haynes	Preliminary Vibration and Flutter Analysis Report - Glider Released 9-7-61 Last Rev 1-10-64	C	X			X												
D2-8123-2 RM Haynes	Preliminary Vibration and Flutter Analysis Report - Air Vehicle Released 2-7-61 Last Rev 1-17-64	C	X			X												
D2-8125 EM Donnen	Environmental Control Subsystem Preliminary Design Analysis Released 7-18-61	C	X			X												
D2-8125-1 EM Donnen	Environmental Control Subsystem Preliminary Design Analysis - Hook-up Configuration Released 7-18-61	C	X			X												
D2-8125-2 EM Donnen	Performance Analysis - Environmental Control Subsystem and Cryogenic Supply Subsystem Released 8-15-63	U	X			X												
D2-8126 EM Donnen	Performance Specification - Environmental Control Subsystem Released 5-23-61 Last Rev 12-13-63	U	X			X												

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			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO RAISE CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-8129 EL Kendall	Glider Flight Control Subsystem Analysis Report Released 9-14-61	C	X			X				X						
D2-8129-1 EL Kendall	Glider Flight Control Subsystem Analysis Report Released 1-2-64	C	X							X						
D2-8130 AV Chavez	Performance Specification - Secondary Power Subsystem - Section I Released 5-18-61	C		X					X							
D2-8131 AV Chavez	Secondary Power Subsystem Analysis Power Generation Component Released 7-21-61	U		X												
D2-8131-1 AV Chavez	Secondary Power Subsystem Analysis Power Generation Component Released 7-21-61	C		X												
D2-8131-2A L Wokner	Secondary Power Subsystem Analysis Electric Power Distribution Component (Distribution Section) Released 7-21-61	U		X												
D2-8131-2B J Berger	Secondary Power Subsystem Analysis Electric Power Distribution Component (High Temperature Wire) Released 7-21-61	U		X												

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE									
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO RAIDS CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR FOR-NON BOEING ITEM	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-6131-3 RH Barlow	Secondary Power Subsystem Analysis Hydraulic Power Subsystem Released 7-21-61	U	X															
D2-6131-4 RH Barlow	Secondary Power Subsystem Analysis Reaction Control Power Component Released 7-21-61	C	X															
D2-6131-5 RL Mahillon	Secondary Power Subsystem Analysis High Pressure Pneumatic Component Released 7-21-61	C	X															
D2-6134 DH Christenson	Dyna Sear Step II Initial Booster Performance and Data Requirements Released 12-2-60	S		X														
D2-8135-1 TC Lavey	Specification for Modification of the B-52 for the Dyna Sear Glider Air Launch Program Released 7-10-61	C	X				X				X							
D2-8136 BA Rayfield	Antennas, Wandoon and Foodlines Specification Released 7-6-61	C	X				X				X							
D2-8139 HI Stosart	Transition Section Drawings Request Released 6-1-61	C					X											
D2-8140 P Plets	Flight Instruments General Specification Released 6-20-61	U	X				X							X				

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIOR CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-8143 WJ Wachter	The Energy Management Display Released 12-14-60	C	X								X					
D2-8143-1 WJ Wachter	Energy Management Display Study Released 4-6-61	C	X								X					
D2-8144 J Graham	Dyna Soar Step I Flight Test Requirement Guide Released 12-19-60	C		X											X	
D2-8155 JC Turner	Glider Altitude and Temperature Environmental Test Released 3-17-61	C	X													
D2-8157-0 DG Lavey	Engineering Program Statement for Acceleration Rocket Motor Released 1-9-61 Last Rev 12-12-63	U		X			X									
D2-8157-1 DG Lavey	Design Procurement Specification Acceleration Rocket Motor Released 1-9-61 Last Rev 12-12-63	C	X				X									
D2-8157-2 DG Lavey	Design Procurement Specification Acceleration Rocket Staging Test Motor Released 10-10-62	U	X													
D2-8158 FG Barnes	Ground checkout System Description, Dyna Soar Glider Released 3-8-61 Last Rev 12-26-63	U	X													

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	CESSE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO FIRM CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN, TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
D2-8165 KS Brossel	Design Requirements Specification, Full Pressure Suit-Body Restraint System Released 2-13-61	U		X												
D2-8168 GELedbetter	Dyna-Soar Step IIA Planning and Analysis First Interim Report Released 7-31-61	S		X								X				
D2-8170 BC Muzzey	Dyna-Soar Navigation and Display Computations Released 1-17-64 Last Rev 1-6-64	C	X													
D2-8173 GE Ledbetter	Preliminary Definition of Geophysical & Astrophysical Measurements in DS Released 1-27-61	C	X													
D2-8174 AH Lee	Aerodynamic Stability and Control Data, Model 844-2035 Released 4-18-61	C		X												
D2-8199 FG Barnes	Subsystem Description for Glider Ground Launch Control Equipment Released 10-30-61 Last Rev 12-20-63	U	X						X							
D2-8200 W Polikoff	Preliminary Flight Rating Test (PERT) Event Accomplishment Summary Released 4-16-62 Last Rev 12-15-63	U	X					X								
D2-8202 RN Harper	Installation Provisions in Step I Glider for Step IIA Military Subsystem Testing Released 1-16-61	S		X												

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO BRIDE CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR FOR-BOEING ITEM	FOR-BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN, TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT		PROCEDURAL	PROGRESS REPORT
D2-8204 JK Geiger	Detailed Statement of Work, Dyna-Soar Nose Cap Released 2-8-61	U	X					X								
D2-8207 EB Shields	Dyna-Soar Step I Flight Termination System Description Released 2-2-61	C	X								X					
D2-8213 HW Montgomery	Hazardous Test Facilities Study Released 1-2-64	U														
D2-8215 M Kushner	Statistical Evaluation of Mo-0.5% T1 Procured for Dyna-Soar-First Interim Report Released 2-3-61	U		X												
D2-80000 HA Smith	List of Documents Released by Engineering on X-20 Program Released 11-30-61	U	X													
D2-80001 EM Donnen	Integration Plan - Integrated Hydrogen Cooling and Secondary Power Equipments Released 2-15-61	U	X													
D2-80001-2 EM Donnen	Mathematical System Model - A Static and Dynamic Analysis of the Integration of the Environmental Control and Secondary Power Subsystems Released 7-18-61	C	X													

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			COMMITMENT STATUS	DOCUMENT TYPE							
			ACTIVE	OBSOLETE	CANCELLED		DESIGN/TEST	PROBING	INSTRUMENTATION	ANALYSIS				
D2-80001-3 Vol I EM Donnen	Analog Computer Simulation of the Dyna-Soar Glider Integrated Environmental Control and Secondary Power Subsystems Released 4-3-63	U	X											
D2-80001-3 Vol II EM Donnen	Analog Computer Simulation of the Dyna-Soar Glider Integrated Environmental Control and Secondary Power Subsystems Released 4-3-63	U	X											
D2-80001-3 Vol III EM Donnen	Analog Computer Simulation of the Dyna-Soar Glider Integrated Environmental Control and Secondary Power Subsystems Released 4-3-63	U	X											
D2-80001-4 Vol 4 H. Bennett	Rough Wind-up Documentation of X-20 Glider Int. Env. Control/Secondary Power Analog Computer Simulation Released 12-30-63	U												
D2-80007-1 EE Diltz	Dyna-Soar Technical Progress Report - Engineering Portion January 1961 Released 2-22-61	C												X

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			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR FOR-BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80007-2 EE Diltz	Dyna-Soar Monthly Technical Progress Report - Engineering Portion February 1961 Released 3-23-61	C			X											X
D2-80007-3 EE Diltz	Dyna-Soar Quarterly Technical Progress Report - Engineering Portion January thru March 1961 Released 4-20-61	C			X											X
D2-80007-4 EE Diltz	Dyna-Soar Monthly Technical Progress Report - Engineering Portion April 1961 Released 5-22-61	C			X											X
D2-80007-5 EE Diltz	Dyna-Soar Monthly Technical Progress Report - Engineering Portion May 1961 Released 6-15-61	C			X											X
D2-80007-6 EE Diltz	Engineering Input to Quarterly Report - April thru June 1961 Released 8-18-61	C			X											X
D2-80012 Vol I thruVII R Strandberg	Dyna-Soar Support System Requirement and Recommendation Records- Combined Fil A/B Released 1-9-64	U														

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80012-1 KW Carlsson	Composite Ground Support System Requirements List Released 10-18-61 Last Rev 12-1-63	U	X											X			
D2-80012-2 KW Carlsson	Data Supplement - Dyna-Soar AGE Released 10-18-61	U		X										X			
D2-80018 LW Giffin	Dyna-Soar Step I - Tital II Booster Performance Specification Released 5-22-61	C	X										X				
D2-80027 EB Shields	Safety Design Requirements Released 4-9-62	U	X									X					
D2-80028 RL Campbell	Safety Operational Requirements Released 1-2-64	U															
D2-80034 RM Haynes	Technical Interchange between Boeing Structures Technology and The Martin Company (Dyna-Soar Step I Program) Released 5-12-61	U	X														
D2-80045 FC Barnes	General Design Criteria For X-20 (Dyna-Soar) Aerospace Ground Equipment Released 8-2-62	U	X				X										

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			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO RARE CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80050 MA Nelson	Structural Design and Analysis Data - Dyna-Soar Glider Released 10-20-61	C	X													
D2-80055 KS Brossel	Crew Station Instruments and Controls General Specification Released 10-9-62	U			X											
D2-80057 Vol III EP Goodrich	Dyna-Soar (Step I) System Contract or Training Implication (Instruction Areas) Released 8-23-61	U	X													
D2-80063 DH Christensen	Air Vehicle Malfunction Detection Subsystem Performance Specification Dyna-Soar Released 10-13-61 Last Rev 12-11-63	U	X													
D2-80065 AH Lee	Aerodynamic Stability and Control Data, Model 844-2050 Released 5-24-61 Last Rev 1-10-64	C	X				X									
D2-80065-1 J Lesko	Addendum to Aerodynamic Stability and Control Data - Model 844-2050 Released 1-17-64	C														
D2-80066 DG Lavey	Performance Specification-Dyna-Soar Acceleration Rocket Motor Destruct System Released 4-27-61	U														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80069 EB Shields	Dyna-Soar Step I Flight Termination System Performance Specification Released 7-6-61 Last Rev 12-6-63	U	X			X										
D2-80073 WJ Wachter	Energy Management Overlay Analyses Released 7-17-61	C	X													
D2-80074 WE Bramel	Study - Alternate Electrical System Configuration Released 8-22-61	U	X													
D2-80075 H Setterberg	X-20 Design Analysis Studies-Vol I, Vol II, Vol III Released 1-21-64	C														
D2-80076 DG Lavey	Subsystem Performance Specification for Glider Transition Separation Released 4-27-61	U														
D2-80077 DG Lavey	Performance Specification - Propellant Actuated Devices - Dyna-Soar Glider Destruct System Released 4-27-61	U														
D2-80078 DG Lavey	Subsystem Performance Specification for Booster/Transition Structural Separation and Transition Blast Port Cover Release Released 4-27-61	U														
D2-80080 AK Hepler	Insulated Panel Development Released 9-17-63	U	X													

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE										
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80081 AK Hepler	Primary Structure Development LT5-652, Shear Web and Panel Tests Released 9-17-63	U	X			X												
D2-80082 AK Hepler	Control Surfaces Development - Dyna-Soar Released 7-12-63	U	X			X												
D2-80083 AK Hepler	Nose Cap Development Tests Released 9-16-63 Last Rev 1-29-64	U	X			X												
D2-80084 MA Nelson	External Surface Panels (Non-Insulated) Development - Dyna-Soar Vol. I and II Released 12-12-63	U																
D2-80085 AK Hepler	Leading Edges Development Released 6-26-63 Last Rev 12-26-63	U	X			X												
D2-80086 AK Hepler	Landing Gear Development Released 6-20-63	U	X			X												
D2-80088 AK Hepler	Window Development - Dyna-Soar Released 1-2-64	U																
D2-80092 RL Wahlborg	Oryogenic Tanks Development - Dyna-Soar Released 6-4-63	U	X			X												

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			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR FOR-ION BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80093 DG Lavey	Glider Propulsion Subsystem Performance Specification - Index Released 4-27-61	U		X												
D2-80094-1 MA Nelson	Title Index (Informal Technical Presentation Structural Integrity and Test) Released 5-5-61	U	X						X							
D2-80094-2 CD Burns	Emittance Measurement Technique (Informal Technical Presentation Structural Integrity and Test) Released 5-5-61	U	X													
D2-80094-3 CD Burns	Refractory Metal Coatings (Informal Technical Presentation Structural Integrity and Test) Released 5-5-61 Last Rev 8-1-61	U	X													
D2-80094-4 JT Stacy	Refractory Metal Procurement for Dyna-Soar Released 5-7-62	U	X													
D2-80094-6 CD Burns	High Temperature Insulation Development - Part I Released 5-15-62	U	X													
D2-80094-7 JT Stacy	Fabrication of Refractory Alloys Released 5-7-62	U	X													

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	DELETED	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO FRIE CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80094-8 AK Hepler	Refractory Alloy Selection Released 2-8-62	C	X														
D2-80094-9 JH Rantz	Bearing Development Released 5-27-62	U	X														
D2-80094-27 CD Burns	Cryogenic Insulation Development, Part I (Thermal Conductivity Measurement Apparatus) Released 4-26-62	U	X														
D2-80102-1 BA Rayfield	Test Instrumentation Subsystem In- tegration Test Program Requirements Released 7-16-63	U	X														
D2-80102-5 BA Rayfield	TIS Integration Test Program Plan Released 4-1-63	U	X														
D2-80105 LJ Carpenter	X-20 Calibrated Data Tape Usage Released 1-9-64	U															
D2-80106 BA Rayfield	Test Instrumentation Subsystem Configuration Control Plan Released 4-27-62	U	X														
D2-80108-1 WJ McEwen	Test Instrumentation Transducer Installation Criteria X-20 Released 6-13-63 Last Rev 12-26-63	U	X														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO FRAME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, CR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80108-2 WJ McEwen	Test Instrumentation Transducer Installation Criteria X-20 Released 6-13-63 Last Rev 12-20-63	U	X														
D2-80113 WJ McEwen	Test Instrumentation Subsystem Interface Description, Dyna-Soar Released 11-3-61	U	X														
D2-80115 LJCarpenter	Listing of Source Control Drawings for Transducers and Signal Conditions Released 1-10-64	U															
D2-80120-1 EL Cowgill	X-20 Air Launch and Ground Launch Data Analysis Plan Released 1-10-64	U															
D2-80122 BA Rayfield	Test Instrumentation Subsystem Analysis, Test Plan and Procedure Released 6-18-62	U	X														X
D2-80124 RE Wegner	Calibration Procedures - DS-TIS Released 6-28-62 Last Rev 12-12-63	U	X														
D2-80133 HW Montgomery	Glider Test Sequence - Air Launch Released 1-11-63	U	X														

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D2-80141 RA Strandberg	Boeing Area Activation Plan Air Launch Program Released 11-17-61	U	X			X											
D2-80141-1 RA Strandberg	Boeing Area Activation Schedules - Air Launch Program. Released 7-3-63 Last Rev 12-1-63 (Not yet released)	C	X														
D2-80142 HW Montgomery							X										
D2-80145 EL Cowgill	Orbital Ground System Test Plan Released 1-3-64	U															
D2-80153 RE Wegner	Dyna-Scar Data Reduction Plan Released 4-23-62	U	X				X										
D2-80155 HW Montgomery	X-20 System Test Plan Annex #1 - Ground Launch Mission Model Released 4-8-63	C	X														
D2-80155-1 HW Montgomery	X-20 System Test Plan Annex #2 - Air Launch Mission Model Released 4-8-63																
D2-80160 EL Cowgill	X-20A Orbital Test Plan Released 1-10-64	C															

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FILE	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	FOR DESIGN/TEST CRITERIA	FOR NON-BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80161																	
D2-80166 HW Montgomery	Test Engineering Coordination Center Handbook Released 12-30-63	U															
D2-80168 JA Smith	Glider Test Sequence - Ground Launch Released 8-2-62 Last Rev 12-26-63	U	X				X										
D2-80170 Vol II HW Montgomery	X-20A Orbital Launch Range Safety Compliance, Report Vol II, Impact Control Released 1-9-64	C															
D2-80191 JC Turner	Systems Integration Laboratory, Glider Test Laboratory, Facility Requirements Released 9-25-62	U	X														
D2-80191-1 JC Turner	System Integration Laboratories, Glider Test Laboratory, Facility Requirements Released 3-21-62	U															
D2-80192 JC Turner	System Integration Laboratory Isolated Test Site Facility Requirements Released 9-22-61	U	X														

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			ACTIVE	CANCELLED	RESERVED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIOR CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN, TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT		
D2-80192-1 AG Turner	SIL Isolated Test Site Facility Requirements Released 3-21-62	U		X												
D2-80203 BA Rayfield	Communications - Test Instrumentation Subsystem Simulation Test Plan and Requirements Released 2-2-62	U	X													
D2-80203-1 BA Rayfield	Communications - Test Instrumentation Subsystem Simulation Test Results Released 8-7-62	C	X											X		
D2-80204-0 RE Wegner	Dyna-Soar Data Reduction Computer Program Specifications - General Released 9-8-61 Last Rev 12-63	U	X													
D2-80204-1 LJ Carpenter	PCM Basic Data Reduction Program. Released 1-9-64	U														
D2-80204-2 RE Wegner	X-20 Data Reduction Utility and Framework Programs Released 5-22-63	U	X													
D2-80204-3 LJ Carpenter	X-20 Inertial Guidance Data Reduction Computer Program Specification Released 1-9-64	U														

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE								
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80204-4 LJ Carpenter	X-20 Data Reduction Support Programs Specification Released 1-9-64	U														
D2-80204-5 LJ Carpenter	X-20 Data Reduction Computing Program Listings Released 1-9-64	U														
D2-80244 RA Strandberg	Interface Control - AGE Released 7-19-63	U				X										
D2-80244-1 FO Barnes	Interface Control - AGE to AGE Released 11-28-62	U				X										
D2-80244-2 Vol I RA Strandberg	Base Implementation Interfaces Released 9-13-63	U				X										
D2-80244-2 Vol II RA Strandberg	Base Implementation Interfaces Volume II (Launch Complex) Released 8-14-63	U				X										
D2-80245 WE Bramel	Dyna-Soar Glider Compartment Integration Study Released 7-20-61	C				X										
D2-80250 RA Strandberg	Communication and Signal Landline Requirements, X-20 Released 1-8-62	U				X										

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	FOR BOEING ITEM	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT
D2-80251 EM Donnen	Nitrogen Tankage and Cooling Released 8-4-61 Last Rev 12-13-63	U	X			X											
D2-80254 RA Strandberg	Engineering Design and Facility Requirements for the AFFTC (Edward AFB) Released 8-3-61	U	X								X						
D2-80257-1 Vol I TK Jones	Reliability Summary Status Document Released 12-14-61 Last Rev 12-23-63	U	X													X	
D2-80257-1 Vol II TK Jones	Reliability Summary Status Document AGE and Facilities Released 12-14-61 Last Rev 12-23-63	U	X													X	
D2-80260 TJ Cronin	X-20A Functional Test Directory Released 7-16-62	U	X													X	
D2-80265 PG Kafka	Perturbation Solution of the Equations of Inviscid Hypersonic Flow about a Lifting Delta Wing Released 6-30-61	U	X													X	
D2-80266 HD McGraw	Atmosphere Development by Density Function Method for Florida Dyna-Soar Operations Released 5-18-61	U	X													X	

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			COLLATERAL USES			DOCUMENT TYPE							
			ACTIVE	CANCELLED	RESERVED TO BE MAINTAINED AND SUBMITTED TO FUTURE PROCUREMENT	INCORPORATED INTO WIPES CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	TESTING/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT		
D2-80267 F Piltz	Performance Specification, Separation Sequence Programmer Released 2-2-62 Last Rev 12-3-63	U	X													
D2-80269 FK Perry	Signal Data Converter Design Specification Released 9-6-62 Last Rev 12-23-63	U	X			X										
D2-80270 M. Kushner	Welding of Columbium Alloys Released 1-3-64	U														
D2-80271 M Kushner	Compatibility of Materials at High Temperature Released 1-3-64	U														
D2-80272 M Kushner	Riveted and Bolted Joints of Refractory and Super Alloys Released 1-3-64	U														
D2-80273 M Kushner	Fabrication of Molybdenum Alloys Released 1-3-64	U														
D2-80274 M Kushner	Properties of Columbium-Titanium-Zirconium Alloys Released 1-3-64	U														
D2-80275 M Kushner	Ductility of Silicide Coated TZM Molybdenum Alloys Released 1-3-64	U														

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			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
D2-80276 M Kushner	Refractory Metal Procurement - Criteria Development Released 9-5-62	U	X														
D2-80277 M Kushner	Heat Treatment of Rene' 41 Released 1-10-64	U															
D2-80278 M Kushner	Resistance Welding Super Alloys Released 1-21-64	U															
D2-80279 M Kushner	Fusion Welding of Super Alloys Released 1-21-64	U															
D2-80280 M Kushner	Hydraulic Fluids Evaluation Released 5-9-63	U	X														
D2-80281 CD Burns	Thermal Property Measurement Techniques Released 12-7-61	U	X														
D2-80282 M Kushner	Material Development Programs, Ceramics, X-20 Released 1-3-64	U															
D2-80283 M Kushner	Development Programs, Thermal Insulations, X-20 Released 1-3-64	U															
D2-80284 M Kushner	Wide Low Materials Development Released 10-3-62	U	X														

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			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	REQUIREMENT INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT				
D2-80285 M Kushner	Development Program, Bearing, Lubricants, and Hydraulic Fluids Released 1-14-64	U																	
D2-80286 M Kushner	Cryogenic Diaphragm Material Development Released 5-16-62	U	X																
D2-80287 M Kushner	Material Development Program, Boeing Nose Cap, X-20 Released 1-14-64	U																	
D2-80289 RN Harper	Dyna-Soar Step IIB System Studies Released 7-28-61	S		X															
D2-80289 Addendum RN Harper	Dyna-Soar Step IIB Studies Summary Report Released 7-31-62	S	X																
D2-8029-1 RN Harper	Dyna-Soar Step IIB Studies Supplement Released 7-28-61	S		X															
D2-80289-2 RN Harper	Dyna-Soar Step IIB Studies Second Interim Report Released 12-21-61	S	X																
D2-80289-3 Vol I RN Harper	Dyna-Soar Step IIB Studies Summary Report Appendix Released 6-23-62	S	X																

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			ACTIVE	CASUALTY	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO PHILIPPS A CURRENT CONTRACT PROGRAM	INCORPORATED INTO PHINE CONTRACT PCS COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	START, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	ADDRESS REPORT			
D2-80289-3 Vol II RN Harper	Dyna-Soar IIB Studies Summary Report Appendix Released 6-23-62	E	X										X					
D2-80289-4 Vol I RN Harper	Dyna-Soar Step IIB Studies Summary Report Released 6-23-62	S	X										X					
D2-80289-4 Vol II RN Harper	Dyna-Soar Step IIB Studies Summary Report Released 6-23-62	S	X										X					
D2-80290 FH Perry	Interference Control Plan, Dyna-Soar Released 1-10-62	U	X				X						X				R	
D2-80292 WH Oramel	Provisions in the Step I Glider for Step IIA Military Subsystems Testing Released 6-15-61	C	X										X					
D2-0295 WE Bramel	Hydrogen Usage Study Released 9-21-61	C	X										X					
D2-80300 EL Cowgill	Support Aircraft Requirements Released 8-3-61	C	X														X	
D2-80303 DJ Bray	Primary Guidance Associate Contractor Supplemental Data Requirements List Released 8-16-61	U	X															R

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80306 JT Stacy	Recrystallization Inspection Standards for Molybdenum Alloys Released 7-3-61	U	X															
D2-80307 HD McGraw	Interim Booster Dispersion Study for the Titan II Dyna-Soar Air Vehicle Released 8-10-61	C	X															
D2-80308 DH Lavey	Joint Boeing-Thiokol Full Scale Stage Separation Test Requirements Released 6-28-61	U			X													
D2-80311 CK Dragseth	Aerodynamic Stability and Control and Performance Data, Air Vehicle Model 851-1006 Released 8-9-61	C	X															
D2-80312 BA Rayfield	Avionics Interface Description, Dyna-Soar Released 12-11-61	U				X												
D2-80320 PG Kafka	Hypersonic Wind Tunnel Testing Handbook for Heat Transfer Models Released 6-30-61	U	X															X
D2-80327 W Polikoff	Dyna-Soar Change Status Record Released 12-17-62 Last Rev 12-3-63	U	X															X

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			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	ACCESS REPORT	
D2-80328 DA Turner	Actual Weight Program - Dyna-Soar Released 7-5-63	U	X													
D2-80335 DA Turner	Electronic Weight Computing Program - Manual for Coding and Processing Input Data Released 10-2-62	U	X													
D2-80339 RL Campbell	Dyna-Soar Step I System Configuration Control Plan Released 11-13-61	U			X											X
D2-80345 DA Turner	Weight Analysis Report - Dyna-Soar Glider Transition Released 4-3-62	C	X										X			
D2-80345-1 DA Turner	Weight Analysis Summary - Dyna-Soar Glider Transition Released 4-23-62	C	X										X			
D2-80350 OB Haugen	Performance Specification for Inertial Guidance Subsystem Check-out Set Released 9-5-61	U										X				
D2-80351 RM Haynes	Vibration Response of Dyna-Soar Skin Panel and Support Structure to Launch Noise Simulation Released 1-4-62	U	X										X			

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D2-80355 WJ Wachter	Dyna-Soar Lighting - Preliminary Report Released 8-30-61	U	X													
D2-80356 EP Goodrich	Dyna-Soar Maintainability Guide - Air Vehicle and Support Equipment Released 11-14-61	U	X													
D2-80359 OB Haugen	Performance Specification for Secondary Attitude Reference Subsystem Checkout Set Released 9-5-61	U		X												
D2-80364 LH Gardner	(Not yet released)								X							
D2-80364-1 RP Person	Environmental Test Model - Test Requirements Released 1-13-64	C														
D2-80364-5 LH Gardner	Environmental Test Model Integration Test Plan Released 3-18-63 Last Rev 12-15-63	U	X													
D2-80367 WE Framel	Dyna-Soar Step II Mockup Specification Released 8-25-61	C	X													

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			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR FOR-BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80368 LA Perro	Performance Specification for Booster Simulator Released 9-22-61	U	X														
D2-80374 LW Giffin	Dyna-Soar Glider Characteristics and Booster Restraints Released 10-25-61	C		X													
D2-80376 M Kushner	Statistical Evaluation of Mo-.5% T1 Sheet Procured for Dyna-Soar - Final Report Released 9-29-61	U		X													
D2-80377-1 L Weiner	Qualification Test Requirements; X-20 Electrical Power Distribution System, Power Boxes and Diode Assembly Released 2-4-63	U	X				X										
D2-80377-2 Vol. I K Martinez	Qualification Test Procedure - Electrical Power Distribution System Released 12-16-63	U															
D2-80377-2 Vol. II K Martinez	Qualification Test Procedure - Main Power Box Released 12-16-63	U															
D2-80377-2 Vol. III L Weiner	Qualification Test Procedures - Forward DC Fuse Panel Released 7-23-63	U	X														

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D2-80377-2 Vol. IV K Martinez	Qualification Test Procedure, Forward Relay Box Released 11-11-63	U														
D2-80377-2 Vol. V L Weiner	Qualification Test Procedures - Forward AC Fuse Panel Released 8-2-63	U	X						X							
D2-80377-2 Vol. VI L Weiner	Qualification Test Procedure, Transformer-Rectifier Diode Assembly Released 8-20-63	U	X						X							
D2-80377-2 Vol. VII L Weiner	Qualification Test Procedure - Aft DC Power Box Released 10-15-63	U	X						X							
D2-80377-2 Vol. VIII L Weiner	Qualification Test Procedure - Manual Flight Control Fuse Panel Released 7-5-63	U	X						X							
D2-80377-3 Vol. III L Weiner	Qualification Test Report, Fwd DC Fuse Panel Released 1-3-64	U														
D2-80377-3 Vol. VIII L Weiner	Qualification Test Report, Manual Flight Control Panel	U														
D2-80377-4 Vol. III L Weiner	Qualification Test Log, Forward DC Fuse Panel Released 1-3-64	U														

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			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80377-4 Vol. VIII L Weiner	Qualification Test Log - Manual Flight Control Fuse Panel Released 1-3-64	U	X													
D2-80381 BA Rayfield	Analysis of DS-I Data System Released 9-13-61	U	X													
D2-80390-0 DR Whitlock	Engineering Program Statement for Hydrogen Pump Unit Released 10-3-61	U	X													
D2-80390-1 DR Whitlock	Procurement Specification for Hydrogen Pump Unit Released 10-0-61 Last Rev 12-16-63	U	X													
D2-80393 J Graham	Dyna-Soar Design Development Test-Plan and Status Released 12-19-61	U														
D2-80394 RH Harlow	Work Statement - Approach and Landing Investigation - Side Stick Controller Released 9-14-61	U	X													
D2-80396 HA Smith	General Requirements Document for Dyna-Soar Source Control Drawings and Design Procurement Specification Released 11-1-61	U	X													

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D2-80377-4 Vol. VIII L Weiner	Qualification Test Log - Manual Flight Control Fuse Panel Released 1-3-64	U														
D2-80381 BA Rayfield	Analysis of DS-I Data System Released 9-13-61	U	X													
D2-80390-0 DR Whitlock	Engineering Program Statement for Hydrogen Pump Unit Released 10-9-61	U	X							X						
D2-80390-1 DR Whitlock	Procurement Specification for Hydrogen Pump Unit Released 10-0-61 Last Rev 12-16-63	U	X							X						
D2-80393 J Graham	Dyna-Soar Design Development Test- Plan and Status Released 12-19-61	U														
D2-80394 RH Harlow	Work Statement - Approach and Land- ing Investigation - Side Stick Controller Released 9-14-61	U	X													
D2-80396 HA Smith	General Requirements Document for Dyna-Soar Source Control Drawings and Design Procurement Specifica- tion Released 11-1-61	U	X													

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D2-80408 DG Lavey	Prediction of Solid Rocket Motor Performance from Propellant Ballistic Test Data Released 9-28-61	C	X								X						
D2-80409-0 BA Rayfield	Qualification Test Requirements, Antennas and Transmission Lines Released 4-12-62	U		X							X						
D2-80409-1 BA Rayfield	Qualification Test Requirements, X-20A Antennas Released 5-10-63	U	X								X						
D2-80409-2 BA Rayfield	Qualification Test Procedures, X-20A Antennas Released 9-16-63	U	X								X						
D2-80414 KS Brossel	Centrifuge Crew Station Simulator Design Specification Released 3-9-62	U	X								X						
D2-80414-1 EP Goodrich	Specification, X-20 Simulator (Mark I-B) Crew Station Released 3-5-63	U	X				X										
D2-80414-2 EP Goodrich	Specification, X-20 Simulator (Mark I-C) Crew Station Released 7-10-63	U	X								X						

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D2-80415 Vol. I KS Brossel	Crew Station Development Phase I(a) Simulation Program Plan Released 2-27-62	U	X													
D2-80415 Vol. II KS Brossel	Crew Station Development Phase I Simulation Program Technical Data Released 2-27-62	C	X													
D2-80415 Vol. III KS Brossel	Crew Station Development Phase I(b) Simulation Program Plan Released 2-27-62	U	X													
D2-80417 JB Concannon	Schematic Information Requirements Dyna-Soar Package Design Released 11-20-61	U		X					X							
D2-80426 RE Wegner	Electronic Packaging Requirements Contract Procured Test Instrumentation Subsystem Ground Equipment Released 10-19-61	U	X													
D2-80427 H Chamberlin	Stage Separation Test Requirements, Full Scale (Development) Released 10-25-62	U	X													
D2-80432 AK Hepler	Test and Data Report Internal Temperature Distribution Released 8-31-62	U	X													X

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			ACTIVE	OBsolete	CANCELLED		TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIOR CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80435 AK Hepler	Nose Cap Facility Evaluation Test Released 9-10-62	U	X																
D2-80448 JD Mayer	Cryogenic Subsystem Design Development Tests Released 4-12-62	U	X																
D2-80468-5 JC Turner	Ground Vibration Survey (Glider Dynamics Test) Plan Released 4-17-63 Last Rev 12-12-63	U	X																
D2-80469-5 JC Turner	Glider/B-52 Compatibility Test Program Plan Released 12-30-63	U																	
D2-80470-5 JC Turner	Glider Subsystems Integration Test Plan Released 12-30-63	U																	
D2-80475 Vol. JC Turner	X-20 Inplant Operations and Test Sequences-SIL Program Description Released 12-30-63	U																	
D2-80475 Vol. II	X-20 Inplant Operation and Test Sequences Released 12-30-63	U																	
D2-80475 Vol. III JC Turner	X-20 Inplant Operation and Test Sequences SIL Master Schedules Released 6-8-62 Last-Rev-12-27-63	C	X																

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			COMINGLING USAGE			DOCUMENT TYPE							
			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80476 JC Turner	System Integration Laboratories Cleanliness Requirements Released 10-10-63	U	X													
D2-80483 JC Turner	Test Procedure Format Study - Dyna-Soar Functional Tests, Drawings vs Documents Released 2-7-64	U														
D2-80487 RA Strandberg	Equipment Support Requirements X-20 (Dyna-Soar) Released 12-27-63	U			X											
D2-80488 RA Strandberg	Interface Control -Ground Equip- ment (NON-AGE) Released 7-19-62	U														
D2-80490 FA Wiggin	Dyna-Soar Step IIA Planning and Analysis Secondary Interim Report Preliminary Information for System Package Plan Released 12-15-61	S	X										X			
D2-80490 Addendum FA Wiggin	Addendum to Dyna-Soar Step IIA Planning and Analysis Secondary Interim Report Preliminary Infor- mation for System Package Plan Released 12-15-61	S												X		
D2-80490-1 RN Harper	Dyna-Soar Step IIA Planning and Analysis System Package Program for Dyna-Soar Step IIA Released 6-23-62	S	X												X	

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D2-80490-1 Addendum RN Harper	Dyna-Soar Step IIA Planning and Analysis System Package Program for Dyna-Soar Step IIA Released 7-31-62	S	X														
D2-80490-2 RN Harper	Dyna-Soar Step II Program Plan (Appendix) Released 6-23-62	S	X														
D2-80495 RL McMullen	Test Plan - Hard Coated X-15 Landing Gear Skid Tests Released 12-6-61	U	X														
D2-80499 RM Pennock	Test and Calibration Requirements for the Glider Launch Control Equipment Released 10-15-62 Last Rev 12-17-63	U	X														
D2-80507 JC Turner	Systems Integration Laboratory - Bench Test Support Facility Requirements Released 6-29-62	U	X									X					
D2-80518 HW Montgomery	X-20 Mission Control Requirements Released 11-22-63	U															
D2-80519 JC Turner	SIL Test Support Requirements Released 2-1-63 Last Rev 12-15-63	U	X														

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
D2-80521 RM Pennock	Packaging Design Requirements for Glider Test Conductor Console Released 3-12-62 Last Rev 12-12-63	U	X														
D2-80522 RM Pennock	Packaging Design Requirements for the Glider Servicing Control Equipment Released 6-6-62	U			X												
D2-80522-1 RM Pennock	Packaging Design Requirements for the LH ₂ Glider Servicing Control Equipment Released 4-3-63 Last Rev 12-15-63	U	X														
D2-80522-2 RM Pennock	Packaging Design Requirements for the LM ₂ Glider Servicing Control Equipment Released 3-1-63 Last Rev 12-1-63	U	X														
D2-80522-3 RM Pennock	Packaging Design Requirements for the O ₂ Glider Servicing Control Equipment Released 3-1-63 Last Rev 12-13-63	U	X														
D2-80523 RM Pennock	Packaging Design Requirements for the Protective Monitor and Control Rack Released 4-26-62 Last Rev 12-19-63	U	X														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO RIDE CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80524 RM Pennock	Packaging Design Requirements for Glider Launch Control Distribution Racks Released 3-14-62 Last Rev 12-12-63	U	X													
D2-80525-1 RM Pennock	Packaging Design Requirements for the Glider Launch Control Inter-connecting Cables Released 6-7-62	U	X													
D2-80525-2 RM Pennock	Packaging Design Requirements for the Glider Launch Control Umbilical Electrical Cables Released 7-3-62 Last Rev 12-13-63	U	X													
D2-80526-1 RM Pennock	Packaging Design Requirements for the Test Control Simulator Rack Released 3-21-62 Last Rev 12-17-63	U	X													
D2-80526-2 RM Pennock	Packaging Design Requirements for Glider Test Signal Simulator Released 5-25-62 Last Rev 12-27-63	U	X													
D2-80526-3 RM Pennock	Packaging Design Requirements for the I ² Servicing Simulator Released 4-22-63	U	X													

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
D2-80526-4 RM Pennock	Packaging Design Requirements for the O ₂ Servicing Simulator Released 4-22-63	U	X														
D2-80526-5 RM Pennock	Packaging Design Requirements for the LH ₂ Servicing Simulator Released 4-22-63 Last Rev 12-17-63	U	X														
D2-80527 RM Pennock	Packaging Design Requirements for the Power and Function Control Rack Released 6-20-62	U			X												
D2-80528 RM Pennock	Packaging Design Requirements for the Glider Launch Data Recorders Released 4-6-62	U			X												
D2-80535 MM Stewart	Fabrication Requirements for Cryogenic Tanks Released 10-2-62	U	X														
D2-80536 RM Pennock	Packaging Design Requirements for Glider Launch Control Signal Conditions Released 5-21-62	U	X														
D2-80541 RL McMullen	Landing Gear High Speed Test - Molluc in AFB Released 5-3-62	U	X														

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			ACTIVE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA	REQUIREMENT OR	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, CR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
D2-80545 M Kushner	Design and Analysis of a Machine for the formation of Ceramic Fibers from Colloidal Solutions Released 10-2-62	U	X											X			
D2-80547 PG Kafka	A survey of Real Gas Effects Released 3-29-62	U	X											X			
D2-80552-1 Vol. I JJ Sheppard	Airframe Verification Test Requirements, Glider/Transition Structural Integrity and Rigidity Verification Testing Released 12-30-63	U															
D2-80552-1 Vol. II JJ Sheppard	Airframe Verification Test Requirements, Glider/Transition Structural Component Testing Released 12-30-63	U															
D2-80552-5 JJ Sheppard	Airframe Verification Test Plan, Glider/Transition Structural Integrity and Rigidity Verification Testing Released 12-30-63	U															
D2-80560 WE Bramel	Super-Orbital Re-entry Capability of the 844-2050 Glider Released 5-24-62	C	X														
D2-80563 LA Perro	Design Data Package GCOE Junction and Signal Conditioning Rack Released 7-16-62	U	X														

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80566 RA Strandberg	Glider/Technical/Functional Launch Area Support Requirements Released 4-30-62	C	X			X											
D2-80574 HD McGraw	Representation of Wind Probabilities Released 9-21-62	U	X											X			
D2-80577 WE Dennis	Design Data Package GCOE, Servo Valve Controller Released 12-12-62	U	X														
D2-80578 WE Dennis	Design Data Package GCOE, Pneumatic Subsystems Checkout Set Released 7-23-62 Last Rev 12-13-63	U	X														
D2-80580 Vol. I WE Dennis	Engineering Evaluation - 400 Cycle Electrical Power Supply(27-80006) Not Released	U															
D2-80580 Vol. II WE Dennis	Engineering Evaluation - Glider Hydraulic Power Supply(10-81069) Released 12-11-63	U															
D2-80581 WE Dennis	Design Data Package GCOE, Leakage Detection Set Released 8-23-62	U	X														

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			ACTIVE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
D2-80582 WE Dennis	Design Data Package GCOB-Pilot's Services Tester Breathing Supply Released 12-11-63	U		X												
D2-80586 WE Dennis	Design Data Package GCOB, Glider Electrical Load Bank Released 7-19-62	U						X								
D2-80590 WE Dennis	Design Data Package GCOB, Pilot's Services Tester Released 8-30-62	U	X							X						
D2-80597 EP Goodrich	Dyna-Soar Mission Profile Simulator Planning Requirements Released 3-2-62	U	X													
D2-80598-5 LC Perkins	Guidance & Control Development Model - Integration Test Plan Released 12-23-63	U														
D2-80600 WE Bramel	Dyna-Soar Glider/Transition Detail Specification Released 8-31-62 Last Rev 12-13-63	C	X		X											
D2-80600-1 WE Bramel	Glider/Transition Detail Specification Released 1-16-64	C														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	CASCADE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO FIRM CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80603 AA Coe	Water Wall Construction Released 6-24-63 Last Rev 12-10-63	U	X													
D2-80608 CD Burns	Process Document - Fabrication of The Boeing Nose Cap Released 7-15-63	U	X													
D2-80609 DA Turner	Project Weight and Balance Status Report - Dyna-Soar Released 3-27-62 Last Rev 12-19-63	C	X													
D2-80612 TK Jones	Dyna-Soar Subcontractor Reliability Demonstration Plan Released 3-2-62	U				X										
D2-80613 KW Carlson	Aero-Space Ground Equipment Quantities Released 3-22-62	U				X										
D2-80616 JJ Sheppard	Test and Data Report - Test Methods and Techniques, Glider Static Test Program Released 1-13-64	U														
D2-80617 RH Hurlow	Informal Trade Study Data Reaction Control System Released 1-10-64	U														

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			ACTIVE	CASSETTE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CONTRACT REQUIREMENT	INCORPORATED INTO THIS CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR NON-BOEING ITEM	FOR-BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80619 DG Lavey	Ordnance Description Document Released 4-25-63	U	X			X												
D2-80628 EP Goodrich	Specification, X-20 (Dyna-Soar) AFMTC Full Mission Simulator Released 8-24-62	U	X															
D2-80628-1 EP Goodrich	Specification, X-20 (Mark II-B) Mission Simulator Released 9-3-63	U	X															
D2-80630 CV Scott	Electro-Interference Test Requirements, Dyna-Soar Released 9-19-62 Last Rev 10-10-63	U	X															
D2-80633-5 RL Shahan	Electro-Interference (E-I) Compatibility Test Plan for System Integration Laboratory (SIL) Tests Released 1-7-64	U																
D2-80634 RL Shahan	Electro-Interference Test Plan, System Compatibility, AFMTC	U																
D2-80635 RL Shahan	Electro-Interference Test Plan, System Compatibility, Systems Integration Laboratory, Air Launch Glider & B-52 Released 1-7-64	U																

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			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIOR CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	NOT-NON BOEING ITEM	STATE, AGENCIES, ESTABLISHED DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80637 GE Ledbetter	System Requirements, Dyna-Soar Released 10-29-62	C																
D2-80640 KS Brossel	Detail Test Plan - Pressure Suit - Environmental Control System Released 3-28-62	U	X								X							
D2-80645 LA Porro	Design Data Package CODE - Glider Test Set Released 7-16-62 Last Rev 12-15-63	U	X								X							
D2-80648 DW Putnam	X-30 (Dyna-Soar) System Development Flight Test Requirements Released 12-26-62	C	X															
D2-80650 RM Tennock	Packaging Design Requirements for Glider Launch Conductor Console Released 6-20-62	U	X															
D2-80651 RM Tennock	Packaging Design Requirements for the Glider Launch Servicing Console Released 6-20-62	U	X															
D2-80655 BC Muzzey	Mechanization of Flight Integrator Information Released 5-26-62	C	X															X
D2-80656 RL McMullen	Qualification Test Requirements for Pneumatic Tubing and Fittings Released 7-13-62	U				X												

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CO. ACTUAL USAGE		DOCUMENT TYPE										
			ACTIVE	RESERVE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL REQUIREMENT	INCORPORATED INTO PRICE CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80659 HN Harper	Oral Briefing Dyna-Soar Step II Summary Report Released 6-20-62	S	X														X	X
D2-80658 HN Harper	Oral Briefing on Dyna-Soar Reconnaissance Studies Released 6-20-62	S	X															X
D2-80650 JD Mayer	Cryogenic Expendable Requirements for Dyna-Soar Design Mission Released 6-1-62	C	X								X							
D2-80661 JB Concannon	Electronics Packaging Requirements Associate Contract Procured Flight Equipment Released 10-12-62	U	X															
D2-80664 RT Hessel	Piloted Booster Simulation (Static) Test Report Released 5-28-62	C	X														X	
D2-80668 DJ Brax	Performance Specification for Remote Control Recovery Subsystems Released 7-27-62	C	X						X									X
D2-80669 LA Perro	Design Data Package COOP, Glider Simulator (COE Checkout) Released 7-10-62	U	X														X	
D2-80670 BA Rayfield	Fabrication of Columbia Alley Antennas for X-20A Released 4-2-62	U	X															

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			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80672 ME Abbott	Design Data Package GOOE, Inter-connecting Cables Released 9-5-62	U	X													
D2-80676 BA Rayfield	Preliminary Design of a Dyna-Soar Waveguide Pressurization System Released 6-26-62	U	X										X			
D2-80680 JF Milton	Study Planning Report - Dyna-Soar (Analysis of Dyna-Soar Growth and Application) Released 6-13-62	S	X													X
D2-80685 BC Muzzey	Error Analysis of Space-Fixed Inertial Navigation Systems Released 1-15-64	U														
D2-80690 KS Brossel	Lighting Development Test Requirements - Pilot's Compartment Released 6-22-62	U	X													
D2-80690-1 KS Brossel	Lighting Development Test Plan and Procedure - Pilot's Compartment Released 9-21-62	U	X													
D2-80690-2 KS Brossel	Lighting Development Test Report - Pilot's Compartment Dyna-Soar (X-20) Released 4-12-63	U	X													

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
D2-80691 DJ Bray	Specification for Inertial Platform Signal Conditioner Released 8-6-62	U	X														
D2-80692 DJ Bray	Seismic and Optical Measurements to Determine Floor Stability at Boeing Building 2.01 Released 7-31-62	U	X														
D2-80695 DA Turner	Electronic Computing Machine Method for Maintaining and Publishing Weight Records and Reports Released 10-1-62	U	X														
D2-80697-1 LH Gardner	Qualification Test Requirements for Hydrogen Supply Subsystem Released 10-2-63 Last Rev 12-31-63	U	X														
D2-80697-2 RP Person	Qualification Test Procedures - LH ₂ Supply Subsystem Released 1-3-64	U															
D2-80698-1 LH Gardner	Qualification Test Requirements for Oxygen Supply Subsystem Released 6-28-63 Last Rev 12-23-63	U	X														
D2-80698-2 LH Gardner	Qualification Test Procedures for Oxygen Supply Subsystem Released 1-3-64	U															

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			COMMERCIAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FUTURE A CURRENT CONTRACT	INCORPORATED INTO FUTURE CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	OR FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80699-1 LH Gardner	Qualification Test Requirements for Nitrogen Supply Subsystem Released 8-12-63	U	X														
D2-80699-2 LH Gardner	Qualification Test Procedures - N ₂ Supply Subsystem Released 1-3-64	U															
D2-80702 LJ Mason	X-20 (Dyna-Soar) Backup Navigation Study Released 12-30-63	C															
D2-80703 TJ Widden	Dyna-Soar Supply Support List Released 7-10-62 Last Rev 12-6-63	U	X													X	
D2-80704 J Berger	Automated WireData Processing System Released 3-22-63 Last Rev 12-23-63	U	X														
D2-80705 DJ Bray	X-20 (Dyna-Soar) Guidance Backup Equipment Study Released 9-24-62	C	X				X										X
D2-800706 PG Kafka	Smoothness, Sealing and Venting Specifications for X-20 Glider and Transition Released 1-17-63	U	X														

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			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80707-1 RH Hurlow	Hydraulic Supply Qualification Test Requirements Released 1-9-64	U															
D2-80708 LH Gardner	Cryogenic Tube Fitting Development Test Report Released 5-1-63	U	X														
D2-80709 IRE Wegner	Dyna-Soar Data Reduction Computer Programming Released 10-1-62	U	X														
D2-80716 AL Nagel	Scale Dyna-Soar Glider/Transition Base Heating Tests Released 9-4-62	C	X														
D2-80722 WE Bramel	Dyna-Soar Standard Aircraft Characteristics Charts Released 8-20-62	C	X				X										
D2-80722-1 WE Bramel	X-20 (Dyna-Soar) Program Standard Aircraft Characteristics Charts Released 11-8-62	C	X				X										
D2-80722-2 WE Bramel	X-20 (Dyna-Soar) Program Standard Aircraft Characteristics Charts Released 2-25-63	C	X				X										
D2-80722-4 WE Bramel	X-20 (Dyna-Soar) Program Standard Aircraft Characteristics Charts Released 8-12-63	C	X				X										

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			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA	REQUIREMENT OR DESIGN	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80727 ME Abbott	Ground Support Equipment Calibration and Certification Requirements Summary Released 2-12-63	U	X													
D2-80730 EB Shields	Miscellaneous Design-to-Meet Compliance Analyses Released 1-9-64	U														
D2-80735 RE Gunn	Dyna-Soar System Drawing List Released 9-20-62	U	X				X								X	
D2-80736 RN Harper	Study of Multi-Orbit Capability Released 10-9-62	S	X											X		
D2-80737-5 BA Rayfield	Communications and Tracking Sub-system Compatibility Test Program-Test Plan Released 2-1-63	U	X													
D2-80740 Vol. I DH Christenson	Dyna-Soar Titan III Air Vehicle Description, Air Vehicle 853-1001A Released 1-8-63	S	X													
D2-80740 Vol. II DH Christenson	Dyna-Soar Titan III Air Vehicle with Fins Description, Air Vehicle 853-1002 Released 1-4-63	S	X													

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	OBSCLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80742 WJ McEwen	Installation Procedures for Constantan Foil Bakelite Backed Strain Gages on X-20 Released 6-7-63 Last Rev 12-26-63	U	X													
D2-80743 LJ Carpenter	Test Console - Test Instrumentation Subsystem, Airborne, Specification Released 10-31-62	U	X													
D2-80745 JE Harrison	Analysis of Mathematical Formulae Used in Generating Dyna-Soar Mass Distribution and Inertia Reports Released 1-2-64	U														
D2-80747 WE Dennis	Calibration Requirements - Electro-Mechanical Ground Checkout Equipment Released 7-15-63 Last Rev 12-18-63	U	X													
D2-80751-1 RM Otis	AGE Design Integration Test Plan Released 1-10-64	U														
D2-80752 TE Weindsmann	Abort and Backup Guidance Available for the X-20 Booster Released 10-10-62	C	X													

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			ACTIVE	CESSETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO FIRM CONTRACT FOR COMPLIANCE	PROOF OF SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80753-0 FA Wiggan	X-20 System (Flight Operations) Functional Requirements Diagrams Released 5-6-63	U	X														
D2-80753-1 FA Wiggan	X-20 System (Flight Operations) Functional Requirements Diagrams - Guide and Control Flight Released 5-6-63	U	X														
D2-80753-2 FA Wiggan	X-20 System Functional Requirements Diagrams - Collect Data Released 5-6-63	U	X														
D2-80753-3 FA Wiggan	X-20 System (Flight Operations) Functional Requirements Diagrams - Control Air Vehicle Internal Environment Released 5-6-63	U	X														
D2-80753-4 FA Wiggan	X-20 System Functional Requirements Diagrams - Protect Pilot-Emergency Released 5-6-63	U	X														
D2-80753-6 FA Wiggan	X-20 System Functional Requirements Diagrams - Protect Range - Emergency Released 5-6-63	U	X														
D2-80753-7 FA Wiggan	X-20 System (Flight Operations) Design Requirements Sheets Released 5-6-63	U	X														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE	DOCUMENT TYPE		TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
			ACTIVE	OBSCURE	CANCELLED		DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM					
D2-80753-8 FA Wiggins	X-20 System (Support Operations) Functional Requirements Diagrams - Glider/Transition Integration Tests (Non.Haz.) Released 1-17-64	U				INCORPORATED INTO A CURRENT CONTRACT SUBMITTED TO FULFILL REQUIREMENT			X				
D2-80755 CD Burns	Ceramic Fiber High Temperature Thermal Insulation Development Released 11-5-62	U	X										
D2-80756 LJ Mason	Transition Compartment Pressure Surveys for Dyna-Soar Glider/Booster Staging Released 4-29-63	C	X										
D2-80757-1 RH Hurlow	Elevon Actuator Qualification Test Requirements Released 10-15-63	U	X						X				
D2-80757-2 JO Parrish	Elevon Actuator Qualification Test Procedures Released 1-2-64	U											
D2-80758-1 RH Hurlow	Rudder Actuator Qualification Test Requirements Released 1-9-64	U											
D2-80759-1 RH Hurlow	Hydraulic Lines & Fittings Qualification Test Requirements Released 1-9-64	U											

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	OBSCLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FUTURE PROCUREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA	FOR NON-BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80761 AV Chavez	Pre-installation Test Accessory Power & Generator Unit Released 12-5-62	U	X													
D2-80762 Vol I DH Christenson	Pilot in the Booster Control Loop Study - Final Report Released 12-31-62	C	X			X							X			
D2-80762 Vol II DH Christenson	Pilot in the Booster Control Loop Study - Final Report Released 12-31-62	C	X			X							X			
D2-80764 RM Otis	AGE Test Program Requirements Released 1-10-64	U														
D2-80766 LJ & Mason	X-20 Glider/Booster Staging Analysis Released 1-10-63	C	X											X		
D2-80774 WW Davis	Test Procedures - Wire Bundles, Glider Test Set Released 12-30-63	U														
D2-80775-1 RH Hurlow	Hydraulic Reservoir Qualification Test Released 2-27-63	U	X													X
D2-80776-1 RH Hurlow	Hydraulic Accessory Package Qualification Test Released 1-9-64	U														
D2-80778 DH Christenson	X-20 Glider/Transition Information book for System 624A Released 8-30-63	C	X													

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE									
			ACTIVE	ESOPHTE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA FOR BOEING ITEM	REQUIREMENT OR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT		
D2-80779-1 RL McMullen	Qualification Test Requirements for Pneumatic Tubing, Fittings, Flexible Hose, and Clamps Released 7-31-63 Last Rev 12-26-63	U	X															
D2-80779-2 RL McMullen	Qualification Test Procedures for Pneumatic Tubing, Fittings, Flexible Hose and Clamps Released 12-16-63	U																
D2-80780 LH Gardner	Supercritical Hydrogen Storage System with Boilerplate Tank (Test Results) Released 3-12-63	U	X															
D2-80782 LA Perro	Design Data Package GCOE, Transition and Ordnance Test Equipment Released 4-26-63	U	X															
D2-80783 Vol III EF Styer	X-20 Equipment Design and Test Environment Criteria - Unconditioned Area Temperature & Pressure Released 10-11-63	C	X															
D2-80783-4 HL Bennett	X-20 Equipment Design & Test Criteria - Conditional Compartment Temperatures & Pressures Released 1-16-64	C																

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE									
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO HIDE CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
D2-80784 JT Stacy	Installation Procedure for Temperature Sensors with Refractory Alloy Rivets - X-20 Released 1-31-63 Last Rev 12-13-63	U	X														
D2-80786 RM Otis	Subsystem Description of Glider Servicing and Umbilicals Mechanical AGE Released 4-11-63 Last Rev 12-16-63	U	X														
D2-80787-1 LH Gardner	Qualification Test Requirements for "MIL-FLO" Fittings in Cryogenic Subsystems Released 1-15-63	U			X						X						
D2-80788 CD Burns	Index of X-20 Specification Drawings for Standard Like Parts Released 4-11-63 Last Rev 12-27-63	U	X													X	
D2-80792-1 RH Hurlow	Qualification Test Requirements "MIL-FLO" Tube Fittings, Reaction Control System Released 1-29-63	U	X								X						
D2-80796 WE Bramel	X-20 Glider Refurbishment Plan Released 1-25-63	U	X				X										X
D2-80797 EP Goodrich	Specification, X-20 (Mark II-A) Simulator Crew Station and Repeater Console Released 2-21-63	U	X				X										

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
D2-80798 EP Goodrich	X-20 Mission Simulator (Mark II-A) Crew Station - Repeater Console External Signal, Power and Air Supply Interface Requirements Released 2-21-63	U	X		X											
D2-80799 EP Goodrich	X-20 Mission Simulator (Mark II-A) Production Program Plan Released 3-22-63 Last Rev 12-9-63	U	X		X											
D2-80801 EF Styer	X-20 Structures Heat Transfer Handbook Released 12-11-63	U														
D2-80803-1 AA Coe	Qualification Test Requirements for Water Wall Released 3-28-63	U	X							X						
D2-80803-2 AA Coe	Qualification Test Procedures for Water Wall Released 3-28-63	U	X							X						
D2-80803-3 RP Person	Qualification Test Report for Water Wall Released 12-19-63	U	X													
D2-80809 BA Rayfield	Qualification and Acceptance Test Requirements - X-20A Transmission Line Components Released 9-19-63	U	X													
D2-80810 HN Harper	X-20 Follow-on Capabilities Released 1-2-63	S	X													

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			ACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	RESERVED	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO FUTURE CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80812 AA Coe	Water Wall Development Testing Report Released 5-16-63 Last Rev 12-20-63	U	X													
D2-80814 EF Styer	Air Vehicle Ground Vibration Test Requirements - System 620A (X-20)/ System 624A (Titan III) Released 1-17-63	U	X			X					X					
D2-80815 HT Richmond	X-20 Spare Parts Provisioning Pro- cedures for Suppliers Released 1-19-63	U	X													
D2-80817 M Kushner	X-20 Cryogenic Tank Insulation Development Released 11-26-63	U														
D2-80819 RM Pennock	Packaging Design Requirements for the Servicing Control Equipment Van Released 4-22-63 Last Rev 12-20-63	U	X								X					
D2-80820 RM Pennock	Packaging Design Requirements for Mobile Operations Van Released 3-18-63	U	X								X					
D2-80821 RM Pennock	Packaging Design Requirements for Glider Cryogenic Shutoff Valves Control Unit Released 3-6-63	U	X								X					
D2-80822 CD Burns	Seal Installation Requirements and Procedures for X-20 Hydraulic Com- ponents Released 8-28-63	U	X								X					

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CURRENT USAGE			DOCUMENT TYPE								
			ACTIVE	RESERVE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO CURRENT CONTRACT	INCORPORATED INTO PREVIOUS CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR DESIGN/TEST	FOR DESIGN/TEST	STUDY, ANALYSIS, RELATIONSHIP DESIGN	TEST REPORT	SCHEDULES, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80823 RN Harper	X-20 Follow-on Capabilities Released 1-25-63	S	X														
D2-80824-2 DG Lavey	Environmental Shroud Test Procedures Released 4-12-63	U	X														
D2-80825 H Chamberlin	Toxicity Study of X-20 Crew Compartment Materials Released 2-18-63 Last Rev 1-16-64	U	X														
D2-80826 F Piltz	Test Requirements, Separation Sequence Programmer Released 2-18-63	U	X														
D2-80827-0 DR Whitlock	Vacuum Jacketed Piping Installation Engineering Program Statement Released 3-13-63	U	X							X							
D2-80827-1 DR Whitlock	Vacuum Jacketed Piping Installation SIL - Design Control Specification Released 3-13-63 Last Rev 1-3-64	U	X							X							
D2-80837 JT Stacy	Contamination Inspection Standards for Refractory Alloys Released 3-28-63	U	X														
D2-80838 H Stewart	Scale Staging Test, Booster-Glider Released 6-7-63	U															

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	CANCELLED	RESERVED	TO BE MAINTAINED AND SUPPORTED TO FULFILL A CURRENT CONTRACT PROGRAM	INCORPORATED INTO FIRM CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA FOR BOEING ITEM	REQUIREMENT OR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT
D2-80839 EL Kendall	Glider Flight Control Subsystem Electronics Test Point and Inter-connecting Wiring Lists Released 3-8-63	U	X													
D2-80843 GV Oswald	Transient Analysis, by Analog Computer, of Liquid Hydrogen Servicing System for the X-20 Released 4-22-63	U	X													
D2-80850 LA Perro	Drawing Tree - Glider Test Set Released 3-26-63 Last Rev 12-17-63	U	X													
D2-80855 JF Milton	X-20 Capability Released 3-13-63	S	X													
D2-80855-1 JF Milton	X-20 Capability Released 3-22-63	S	X													
D2-80856 LJ Carpenter	X-20 Data Display Room Released 1-3-64	U														
D2-80857 LJ Carpenter	Seattle X-20 Test Data Procedures Released 1-3-64	U														
D2-80858 EB Shields	System Safety Model (Air Launch) Released 1-9-64	U														
D2-80859 RL Campbell	System Safety Model (Ground Launch) Released 11-14-63	U														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	ACTIVE	OBSOLETE	CANCELLED	DOCUMENT STATUS		CONTRACTUAL USAGE		DOCUMENT TYPE							
						TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	REQUIREMENT	INCORPORATED INTO	FINAL CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULES, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL
D2-80860 EB Shields	Air Vehicle Flight Termination System Description Released 1-9-64	U															
D2-80861 EB Shields	Range Safety Analysis - X-20 Released 1-9-64	C															
D2-80869 RL Shahan	Construction & Use of Dyna-Soar Energy Management Overlays Released 1-15-64	C															
D2-80870 CE Holtman	Configuration - Glider/Transition Released 11-20-63	U															
D2-80872 OV Scott	X-20 G&CDM Configuration Description Released 1-3-64	U															
D2-80873 RR Logan	Data Sensor Instrumentation Installation & Maintenance Manual - Glider/Transition Static Test Program Released 12-30-63	U															
D2-80875-1 OB Haugen	GCOE System Prototype Test Plan Released 12-30-63	U															
D2-80876 AK Hepler	External Surface Seal Development Test Released 12-26-63	U															
D2-80879 DJ Bray	X-20 Guidance Subsystem Design Criteria Released 7-15-63	C	X														

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			GENERAL ACTUAL USAGE				DOCUMENT TYPE						
			ACTIVE	OBSCURE	CANCELLED	IT BE MAINTAINED AND SUBMITTED TO FILE IN A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO RIDE CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	DESIGN/TEST CRITERIA	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT
D2-80880 RF Goodrich	X-20 Maintenance & Support Survey Data Released 5-1-63 Last Rev 12-9-63	U	X													
D2-80884-1 GE Ledbetter	X-20 Military Capability Released 5-13-63	S	X													
D2-80884-2 Vol. I RM Harper	X-20 Military Capability (Appendix) Released 6-27-63	S	X													
D2-80884-2 Vol. II RM Harper	X-20 Military Capability (Appendix) Released 6-27-63	S	X													
D2-80886 C Graham	X-20 Futures-Development Program Released 8-16-63	C	X													
D2-80887-1 GE Ledbetter	X-20 Futures Development Quarterly Progress Report Released 11-19-63	C														
D2-80887-2 GE Ledbetter	X-20 Future Development Quarterly Progress Report Released 11-19-63	S														
D2-80888-5 ML McHallen	Test Plan-X-20 Landing Gear Qualification Filed Tests Released 12-16-63	U														
D2-80891 EL Nibic	THC Nose Cap Tests-Conducted at Chance Vought Corporation Released 5-20-63	U	X													

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CURRENT USAGE			DOCUMENT TYPE								
			ACTIVE	RESERVED	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	FOR TESTING/TEST DATA	FOR BOEING ITEM	FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT
D2-80895 JD Mayer	Evaluation of Supercritical Oxygen Storage System with Boilerplate Tank Released 1-29-64	U															
D2-80899 GV Oswald	Process Specification for Fabrication of Printed Wiring Boards & Assemblies Released 12-19-63	U															
D2-80900-0 DA Turner	Weight Records - Index Document Released 9-17-63	U	X														
D2-80900-1 DA Turner	Current Summary & Detail Weight and Balance Statement for all X-20 Configurations Released 9-17-63 Last Rev 12-19-63	C	X														
D2-80901 DA Turner	Weight Reduction Items - X-20 Released 7-19-63 Last Rev 12-26-63	U	X														
D2-80907 RW Harper	Configuration Control & System Definition Document, X-20 Capability Study Released 6-27-63	S	X														
D2-80913 RL Shahan	Assembly of X-20 Umbilical & Interstage Connectors, Process Document for Released 12-30-63	U															
D2-80914 FA Wiggin	Boeing/Martin Interface Log Released 6-20-63	U	X														

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DOCUMENT NUMBER AUTHOR ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CURRENT USAGE			DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR NON-BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT
D2-80916 FW McRae	Control Record for Rene' 41, TZM, and Columbium Sheet? Released 1-3-64	U															
D2-80917 RM Haynes	Shock Environment & Shock Test Analysis Report Released 7-16-63	U	X								X						
D2-80921 HW Montgomery	Safety Requirements X-20A Seattle Area Glider Test Program Released 11-19-63	U															
D2-80923 AH Lee	A Study of Load-Relief Autopilots for the Titan III/X-20 Air Vehicle Released 9-11-63 Last Rev 1-17-64	C	X								X						
D2-80923 Vol. I JS Lesko	Study of Load-Relief Autopilots for the Titan III/X-20 Air Vehicle, Appendix F: Air Vehicle Stability & Control Analysis Report Released 1-15-64	C															
D2-80927 GV Oswald	Transient Analysis, By Analog Computer, of Pressure Control System for Liquid Nitrogen Ground Servicing System for the X-20 Released 9-20-63	U	X														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			COMMERCIAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSCURE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO FRAME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	NON-BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80927-1 GV Oswald	Transient Analysis, By Analog Computer, of Pressure Control System for Oxygen Ground Servicing System for the X-20 Released 12-13-63	U	ACTIVE														
D2-80933 CV Scott	Flight Control Subsystem Electronics, Tec Lab Model, Boeing Modifications, Released 1-3-64	U	ACTIVE														
D2-80934 GV Oswald	X-20 AGE Connectors, Process Specification for Potting Marking & BUTYL Rubber Molding to BUTYL Jacketed Cable Released 11-14-63	U	ACTIVE														
D2-80949 EF Styer	Comments on Heat Transfer Testing Experience Gained on X-20 Program Released 12-11-63	U	ACTIVE														
D2-80953 DW Thurlow	CCN 50 Design Studies Released 9-25-63	S															
D2-80958 LJ Mason	Rocket Plume Description for Titan III C (X-20 Boost) Released 10-4-63 Last Rev 12-9-63	U	ACTIVE														
D2-80960 M Kushner	Installation & Assembly of MIL-FLO Fittings on Tubing & Components, X-20 Released 12-16-63	U															
D2-80961 GV Oswald	X-20 AGE Connectors, Process Documents for Assembly of Miscellaneous Released 11-22-63	U															

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			GENERAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSCLETE	CANCELLED	NO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, CR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80963-1 LJ Carpenter	Design Data - TIS Measurements Released 1-3-64	U															
D2-80963-2 LJ Carpenter	Design Data - TIS Measurements - O1 Glider Released 1-3-64	U															
D2-80963-3 LJ Carpenter	Design Data - TIS Measurements - O2 Glider Released 1-3-64	U															
D2-80965-1 LA Bark	Test Plan for Launch Control Equipment System Evaluation Released 12-19-63	U															
D2-80971 AA Ccc	Installation Procedure-EAC P11Y (BAL SEAL) Released 12-18-63	U															
D2-80979 LJ Mason	X-20 Staging Transient Heating & Pressures from Full Scale Sled Tests (Boilerplate) Released 12-16-63	U															
D2-80980 GE Ledbetter	CCN 50 Phase O Study for X-20 Released 10-25-63	S															
D2-80980-1 GE Ledbetter	CCN 50 Program Plans Released 10-26-63	S															
D2-80981 GE Ledbetter	CCN 50 Design Trade Studies Released 11-1-63	S															

DOCUMENT NUMBER AND CREATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			COMMITMENT USAGE		DOCUMENT TYPE								
			ACTIVE	CESOTE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO RFP CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-80984 M Kuchner	Engineering Process Requirements for Fabrication of X-20 Blast Shield Released 12-2-63	U														
D2-80988 HL Shaban	MIL-I-26600 Electro-Interference Test Plan-Separation Sequence Program Released 1-29-64	U														
D2-80990 AV Chavez	Dyna-Soar X-20 AFU Study Notes Released 1-10-64	C														
D2-80991 DW Thurlow	Advanced Studies-Performance & Weight Data Released 11-16-63	S														
D2-80992 RE Richmond	Test Requirements & Procedures for X-20 (Mark II-A) Simulator Equipment Released 12-30-62	U														
D2-80996 GE Ledbetter	X-20 Space Station Test and Shuttle Vehicle Application Released 11-29-63	S														
D2-80997 GE Ledbetter	X-20 Inspection Mission Capabilities Released 1-29-64	C														
D2-80998 HL Campbell	Analysis of Revised Acoustic-Vibration Environment per CCH 58 Released 1-3-64	U														
D2-80999 HW Quackenbush	Foaling Satellite Inspector Stuffer (C. 50) Released 11-19-63	S														

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			ACTIVE	OBSCURE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO FIRM CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT	
D2-81005 WM Davis	X-20A AGE Cable Approval Status Released 12-16-63	U														
D2-81007 EB Shields	X-20A Abort & Safety Analysis Released 1-2-64	C														
D2-81008 RM Otis	Master Index, X-20 Ground Support Equipment Data References Released 2-4-64	U														
D2-81009 RM Otis	Photos of Models of X-20A Test Areas Released 1-29-64	U														
D2-81011 RM Pennock	X-20 Termination Data Package for Glider Launch Control Equipment Photographs & Pictorial Sketches Released 1-2-64	U														
D2-81012 IA Back	X-20 Termination Data Package for the Protective Monitor & Control Rack Not Released	U														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE									
			ACTIVE	RESERVE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST MATERIAL	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81013 LA Back	X-20A Termination Data Package for the Glider Servicing Control Equipment & Servicing Control Van Released 1-2-64	U																
D2-81014 LA Back	X-20A Termination Data Package for the LCE Interconnecting & Umbilical Cables Not Released	U																
D2-81015 LA Back	X-20A Termination Data Package for the Launch Control Equipment Distribution Racks Not Released	U																
D2-81016 LA Back	X-20A Termination Data Package for LCE Test Signal Simulators Not Released	U																
D2-81017 LA Back	X-20A Termination Data Package for GLCC & GTOC Consoles Not Released	U																
D2-81018 LA Back	X-20A Termination Data Package for Mobil Operations Van & Oryogenic Valves Control Unit Not Released	U																
D2-81019 LA Back	X-20A Termination Data Package for LCE Recorders Not Released	U																

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DOCUMENT NUMBER AND CLASSIFICATION	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	RESERVED	CANCELLED	TO BE MAINTAINED AND SUPPLEMENTED TO FULFILL REQUIREMENTS	INCORPORATED INTO FRIE CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT
D2-81020 RH Hurlow	Test Report - First Eleven Prototype Servo Actuator Released 1-2-64	U															
D2-81021 RH Hurlow	Test Report - Guidance & Control Development Model, X-20 Elevation Hydraulic Power Servos Released 1-2-64	U															
D2-81022 LA Back	Dyna-Soar Launch Control Equipment Cable Function Tabulation Released 12-30-63	U															
D2-81023 LA Back	Dyna-Soar Launch Control Equipment Distribution System Circuit Diagrams Released 12-30-63	U															
D2-81025 RM Otis	A Technical Description of Advanced Cryogenics Servicing Systems Released 1-30-64	U															
D2-81025 Vol I RM Otis	Hydrogen Recooler Development Tests Summary Released 1-31-64	U															
D2-81025 Vol II RM Otis	Hydrogen Cooler Development Testing-EWA 3-294 Data Not Released	U															
D2-81025 Vol III RM Otis	Oxygen Cooler Coil Test, EWA 3-294 - Test Data Not Released	U															

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CURRENT USAGE			DOCUMENT TYPE									
			ACTIVE	RESERVE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO CONTRACTOR FOR REVIEW AND COMMENT	INCORPORATED INTO PRICE CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR NON-BOEING ITEM	INVESTIGATION	STATUS, ANALYSIS, REVISION DESIGN	TEST PLAN	SCHEDULE, BUDGET, COST DATA	MANAGEMENT	TECHNOLOGY	PROCESS REPORT
D2-81041 JS Robrick	X-20A HPI Shielding Development Tests & Evaluations Released 1-2-64	U																
D2-81042 JS Robrick	X-20A Miscellaneous Electrical Hardware Development Tests Released 12-26-63	U																
D2-81044 RL Shahan	X-20 Electro-Interference Design Review Summary Released 1-31-64	U																
D2-81047 OV Scott	Emergency Re-entry Subsystem Two-Cyber Reference Analysis Report Released 1-2-64	C																
D2-81048 WV Davis	Final Status Summary - EMI X-20A ABE Items Released 1-10-64	U																
D2-81049 WV Richmond	Critique & Status Summary of X-20 Maintenance & Maintainability Programs Released 1-10-64	U																
D2-81050 RL Shahan	Developmental Test-Electrical Power Distribution System (NMA 3-209) Released 1-3-64	U																
D2-81051 WV Davis	Status Summary, X-20A Airborne Electronic Equipment Released 1-10-64	U																

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			COMMERCIAL USAGE			DOCUMENT TYPE								
			ACTIVE	CLASSIFIED	CANCELLED	TO BE MAINTAINED AND FILED IN ORIGINAL AND CURRENT CONTRACT	INCORPORATED INTO OTHER CONTRACTS FOR COMPLIANCE	PROUREMENT INVESTIGATION	DESIGN/TEST CRITERIA	FOR. NEW DESIGN ITEM	FOR. NEW DESIGN ITEM	DESIGN ANALYSIS, STUDY, ANALYSIS, REVISION DESIGN	TEST REPORT	SCHEDULE, BUDGET, COST DATA	MANAGEMENT	EXPERIMENTAL	FINANCIAL REPORT
D2-81052 RL Shahan	Signal Data Converter Qualification Test Program & Test Set Released 1-2-64	U															
D2-81053 EF Styer	Heat Transfer Test Analysis Released 1-9-64	C															
D2-81054 EF Styer	Thermal Environments Report Released 1-9-64	U															
D2-81055 HF Richmond	Status Summary X-20A Simulator Released 1-10-64	U															
D2-81056 TE Heidsman	Antenna & Antenna Test Cover Development Released 2-4-64	C															
D2-81059 RL Shahan	X-20 AGE Cryogenic Instrumentation Released 1-15-64	U															
D2-81060 TE Heidsman	Status of Separation Sequence Programmer Evaluation Released 1-15-64	U															
D2-81061 RL Hatcher	Photographs Electro-Mechanical GCCE Released 1-17-64	U															
D2-81062 Vol I RL Hatcher	Design Data Notebook - Pilot's Services Tester Released 1-17-64	U															

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			COMBING USE			DOCUMENT TYPE				R					
			APPROVED	REJECTED	CANCELLED	TO BE MAINTAINED AND SUPPLEMENTED BY OTHER CONTRACTS	INCORPORATED INTO OTHER CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR-LOH POINT ITEM	REQUIREMENT		STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULES, BUDGET, OR COST DATA	MANAGEMENT	PROBATION
D2-81062 Vol II RL Hatcher	Design Data Notebook - Pilot's Services Tester-Breathing Supply Released 1-17-64	U																
D2-81063 MH Johnson	Circuit Analysis - Glider Test Set Released 1-17-64	U																
D2-81064 ME Abbott	Failure Mode & Effect Analysis, GTE & J-Rack Released 2-7-64	U																
D2-81065 MH Johnson	Glider Test Set General Design Notebooks & Log Books Released 1-15-64	U																
D2-81066 L Weiner	High Temperature (1800°F) Switch-Development & Testing Released 1-10-64	U																
D2-81067 ME Abbott	AGE - Facilities Coordination Summary Not Released	U																
D2-81068 ME Abbott	AGE RCA Coordination History Not Released	U																
D2-81070 RM Otis	Hydrogen Servicing System Development Testing, EWA 3-297 Released 1-31-64	U																
D2-81070 Vol II RM Otis	Hydrogen Servicing System, Development Testing - Test Equipment Not Released	U																

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			DOCUMENT COORDINATING USAGE		DOCUMENT TYPE				R							
			ACTIVE	CEASED	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INFO	COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM		FOR-ION BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-81084 WH Bryant	X-20 Termination Data Package for Bench Test Equip - Signal Data Converter Deck Assemblies Not Released	U	ACTIVE	CEASED	CANCELLED														
D2-81085 WH Bryant	X-20 Termination Data Package for Signal Data Converter (SDC) Module Bench Test Equipment (MTE) Not Released	U	ACTIVE	CEASED	CANCELLED														
D2-81086 WH Bryant	X-20 Termination Data Package for Bench Test Equipment - Electrical Power Boxes Not Released	U	ACTIVE	CEASED	CANCELLED														
D2-81087 WH Otis	Correspondence Log of John Fertinham to Submittal & Approval of Aerospace Ground Equipment (AGE) Released 1-9-64	U	ACTIVE	CEASED	CANCELLED														
D2-81088 WH Otis	Dyna-Soar (X-20) Aerospace Ground Equipment (AGE) Presentations Released 1-9-64	U	ACTIVE	CEASED	CANCELLED														
D2-81091, Vol I WH Abbott	RF Coupling & Distribution System Design & Evaluation Data Not Released	U	ACTIVE	CEASED	CANCELLED														
D2-81091 Vol II WH Abbott	RF Coupling & Distribution System Design & Evaluation Data Not Released	U	ACTIVE	CEASED	CANCELLED														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO THE CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR NON-BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-81093 MA Nelson	Miscellaneous Metals Data Released 1-14-64	U															
D2-81094 HD Setterburg	Testing Working Agreement P.F.R.T. Status Summary Released 1-9-64	U															
D2-81096 RH Hurlow	Development of Insulated Hydraulic Tubing & Servo Wiring Assemblies Released 1-2-64	U															
D2-81097 RP Person	X-20 Contamination Control Require- ments Released 1-13-64	U															
D2-81104 HTF Richmond	Digital Computer Support Requirements for X-20 Full Mission Simulator - Hybrid Design Released 12-30-63	U															
D2-81105 M Kushner	Furnace Brazing Development Released 1-15-64	U															
D2-81106 M Kushner	Steel to Aluminum Brazing Released 1-29-64	U															
D2-81107 M Kushner	Quench Rate Requirements for 2219- T6E46 Released 1-10-64	U															
D2-81108-1 M Kushner	Development of Oxidation Resistant Coatings from Columbium Alloys - Fluidized Bed Process Released 1-3-64	U															

DOCUMENT NUMBER AND CUSTODIAN	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	OBSCLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO FRIE CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81108-2 M Kushner	Development of Oxidation Resistant Coatings for Columbium Alloys - Vacuum Pack Process Released 1-3-64	U														
D2-81109 M Kushner	Development of Oxidation Resistant Coatings for Molybdenum Released 1-3-64	U														
D2-81110 Vol I M Kushner	Emitance Improvement Coating Development for Refractory Alloys Released 1-3-64	U														
D2-81110 Vol II M Kushner	Emitance Improvement Coating Development for Refractory Alloys Released 1-2-64	C														
D2-81111-1 M Kusner	Performance of Oxidation Resistant Coatings for Columbium Alloys Released 1-3-64	U														
D2-81111-2 M Kushner	Performance of Oxidation Resistant Coatings for Columbium Alloys Released 1-2-64	C														
D2-81112 Vol I M Kushner	Performance of Oxidation Resistant Coatings for Molybdenum Released 1-3-64	U														

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE									
			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR FOR BOEING ITEM	FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81112 Vol II M Kushner	Performance of Oxidation Resistant Coatings for Molybdenum Released 1- 2-64	C															
D2-81113-1 M Kushner	Design Requirements for Coated Refractory Alloys Released 1- 3-64	U															
D2-81113-2 M Kushner	Design Requirements for Coated Refractory Alloys Released 1- 2-64	C															
D2-81114 M Kushner	Test Equipment X-20 Service Simulation Released 1- 3-64	U															
D2-81115 M Kushner	Development of Oxidation Resistant Coatings for Tantalum Released 1- 2-64	C															
D2-81116 M Kushner	Refractory Coating Repair Processes Released 1- 3-64	U															
D2-81117 M Kushner	Miscellaneous X-20 Coatings and Finishes Investigations Released 1- 2-64	C															
D2-81118 M Kushner	Miscellaneous Coating Data Released 1- 3-64	U															
D2-81119 M Kushner	Miscellaneous Non-Metals Data Released 1- 3-64	U															

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			COMMERCIAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST FOR BOEING ITEM	REQUIREMENT OR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81120 RH Hurlow	Relative Evaluation of Five proposed Rudder and Elecon Control Systems Released 1-3-64	U															
D2-81121 RL Shahan	X-20 Electro-Interference Instrumentation and Development Studies Released 2-4-64	U															
D2-81122-1 L Weiner	Electrical Equipment Source & Specification Control Drawings - Status of Released 1-10-64	U															
D2-81122-2 L Weiner	Electrical Equipment Source Control Drawing - Low Temp Component Data Released 1-10-64	U															
D2-81122-3 L Weiner	Electrical Equipment Source Control Drawing - High Temperature Components Released 1-10-64	U															
D2-81122-4 L Weiner	Electrical Equipment Source Control Drawings - Low Temp Connector Data Released 1-10-64	U															
D2-81122-5 L Weiner	Electrical Equipment Specification Control Drawing - Relay Data Released 1-10-64	U															
D2-81122-6 L Weiner	Electrical Equipment Specification Control Drawing - Switch Data Released 1-10-64	U															

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			DOCUMENT CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR-ION BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-81122-7 L. Weiner	Electrical Equipment Specification Control Drawing - Miscellaneous Equip Data Released 1-10-64	U															
D2-81123 RJ Montgomery	Experimental Investigation & Correlation with Theory of the Surface Pressure Distribution on Several Sharp & Blunted Cones - for Incompressible Flow Released 12-30-63	U															
D2-81125 RM Otis	End Item Data - Mechanical AGE Servicing Not Released	U															
D2-81126 M Johnson	Hardware Photographs - Glider Test Set, Junction & Signal Conditioning Rack, Glider Simulator, Card Puncher & Logic Converter Released 1-17-64	U															
D2-81131 L. Weiner	X-20 Electrical Power System Design Data Package Released 1-2-64	U															
D2-81132 L. Weiner	Dynamic Analysis of Accessory Power & Generation Unit Released 1-10-64	U															
D2-81133 J Skolnick	X-20A Drawing Trees Electrical Configuration Released 1-2-64	U															
D2-81134 JE Harrison	Calculated Weight Report - Dyna-Soar Released 1-2-64	C															

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DOCUMENT NUMBER AND CLASSIFICATION	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIOR CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR FOR-NON BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81136 EF Styer	X-20A Criteria & Dynamics Test Coordination Sheets, September 1960 to December 1963 Released 1-10-64	U															
D2-81137 Vol I RM Otis	End Item Data - Handling & Transport - Fig I, 111-003 thru 111-013 Not Released	U															
D2-81137 Vol II RM Otis	End Item Data - Handling & Transport - Fig I 111-016 Not Released	U															
D2-81137 Vol III RM Otis	End Item Data - Handling & Transport - Fig I 111-023 thru 111-045 Not Released	U															
D2-81137 Vol IV RM Otis	End Item Data - Handling & Transport - Fig I 113-012 thru 113-045 Not Released	U															
D2-81137 Vol V RM Otis	End Item Data - Handling & Transport - Fig I, 132-021 thru 132-064 Not Released	U															
D2-81137 Vol VI RM Otis	End Item Data - Handling & Transport - Miscellaneous Data Not Released	U															

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE								
			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81138 Vol I RW Curran	Breadboard Cryogenic Development Test Results Released 1-29-64	U														
D2-81138 Vol II RW Curran	Breadboard Cryogenic Development Test Results Released 1-29-64	U														
D2-81139 LJ Carpenter	X-20 Airborne Antenna Qualification Test Report Released 1-2-64	U														
D2-81141 JE Lowe	X-20 Titan III, Five Segment Boost Phase Load Conditions for Cycle "X" & Back-up Data (Incomplete) Released 1-10-64	C														
D2-81142 JE Lowe	X-20 Boost, Hypersonic, Approach, and Air Launch Phase Load Conditions (Incomplete) Released 2-3-64	C														
D2-81143 JE Lowe	X-20 Landing Phase Load Conditions (Notes & Data) (Incomplete) Released 2-3-64	C														
D2-81144 JE Lowe	X-20 Structural Design Criteria, Altitude Margins & Flight Trajectories & Data (Incomplete) Released 1-10-64	C														

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			COMBACTUAL USAGE		DOCUMENT TYPE								
			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81145 JE Love	X-20 Aerelastic Program Notes & Data (Incomplete) Released 1-10-64	C														
D2-81146 JE Love	X-20 IBM Program for Wind Tunnel Data Interpolation, Pressure Bur-face Generation & Panel Load Integration - Notes & Data (Incomplete) Released 1-10-64	U														
D2-81147 JE Love	X-20 Wind Tunnel Pressure & Force Test Data Check - Glider & Abort Vehicle (Incomplete) Released 1-10-64	C														
D2-81148 JE Love	X-20 Martin Company Wind Tunnel Pressure Test Data on Transition Section - Phase I (Incomplete) Released 1-15-64	C														
D2-81149 JE Love	X-20 Martin Company Wind Pressure Test Data on Transition Section - Phase II (Incomplete) Released 1-15-64	C														
D2-81150 JE Love	X-20 Capability Study Notes & Data (Incomplete) Released 1-10-64	C														
D2-81151 JE Love	X-20 Hypersonic Approach & Boost, Plus Load Calculations Backup Data, Vol I Wind Tunnel Fluted Data, Vol	C														

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FURTHER REQUIREMENT	INCORPORATED INTO RIDE CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
D2-81151 Vol II JE Lowe	Cond List, BMS, Approach Conditions Released 1-10-64 X-20 Hypersonic Approach & Boost Phase Load Calculations Back-up Data Vol II Fin CNF Curves (Incomplete) Released 1-10-64	C															
D2-81151 Vol III JE Lowe	X-20 Hypersonic Approach & Boost, Phase Load Calculations Back-up Data (Incomplete) Released 1-10-64	C															
D2-81151 Vol IV JE Lowe	X-20 Hypersonic Approach & Boost, Phase Load Calculations Back-up Data (Incomplete) Released 1-10-64	C															
D2-81152 JE Lowe	X-20 Structures Load Distribution Wind Tunnel Tests (Incomplete) Released 1-10-64	B															
D2-81153 JE Lowe	X-20 Hypersonic Glide & Approach Maneuver Time Histories Notes & Data (Incomplete) Released 1-10-64	C															
D2-81154 JE Lowe	Analysis Report, Glider Local Flow Check, Preliminary (ADJOLP-1) (Incomplete) Released 1-10-64	C															

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			DOCUMENT CONTRACTUAL USAGE		DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81155 JE Love	Analysis Report, Glider-Booster Airload Distr. Verif. Test (AD 500 P-1) (Incomplete) Released 1-10-64	D														
D2-81156 JE Love	Analysis Report, Prelim. Airload Distr. Test (AD 201 M-2) (Incomplete) Released 1-10-64	C														
D2-81157 JE Love Vol I	X-20 Cycle "X" Boost Phase Back-up Data (Incomplete) Released 1-10-64	C														
D2-81157 Vol II JE Love	X-20 Cycle "X" Boost Phase Back-up Data (Incomplete) Released 1-10-64	C														
D2-81158 Vol I JE Love	Dyna-Soar Glider Thermal Coordination Sheets (Incomplete) Released 12-27-63	C														
D2-81158 Vol II JE Love	Dyna-Soar Glider Thermal Coordination Sheets (Incomplete) Released 12-27-63	C														
D2-81158 Vol III JE Love	Dyna-Soar Glider Thermal Coordination Sheets (Incomplete) Released 12-27-63	C														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FILED IN A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81159 JE Lowe	Dyna-Soar Glider Thermal Criteria & Capability Coordination Sheets (Incomplete) Released 12-27-63	C														
D2-81160 Vol I JE Lowe	Dyna-Soar Glider Thermal Analysis Engineering Notes - Nose Cap (Incomplete) Released 12-27-63	C														
D2-81160 Vol II JE Lowe	Dyna-Soar Glider Thermal Analysis Engineering Notes - Nose Cap (Incomplete) Released 12-27-63	C														
D2-81161 Vol I JE Lowe	Dyna-Soar Glider Thermal Analysis Engineering Notes - Leading Edges (Incomplete) Released 12-27-63	C														
D2-81161 Vol II JE Lowe	Dyna-Soar Glider Thermal Analysis Engineering Notes - Leading Edges (Incomplete) Released 12-27-63	C														
D2-81161 Vol III JE Lowe	Dyna-Soar Glider Thermal Analysis Engineering Notes - Leading Edges (Incomplete) Released 12-27-63	C														
D2-81162 Vol I JE Lowe	Dyna-Soar Glider Thermal Analysis Engineering Notes - Panel & Cross-Sections Wing Sections (Incomplete) Released 12-27-63	C														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			DOCUMENT USAGE			DOCUMENT TYPE							
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81162 Vol II JE Lowe	Dyna-Soar Glider Thermal Analysis Engineering Notes - Panels & Cross-Sections Glider Sections 140, 170, 240 (Incomplete) Released 12-27-63	C														
D2-81162 Vol III JE Lowe	Dyna-Soar Glider Thermal Analysis Engineering Notes - Panels & Cross-Sections Glider Sections - 299, 320, 430 (Incomplete) Released 12-27-63	C														
D2-81162 Vol IV JE Lowe	Dyna-Soar Glider Thermal Analysis Engineering Notes - Panels & Cross-Sections Fin Sections (Incomplete) Released 12-27-63	C														
D2-81162 Vol V JE Lowe	Dyna-Soar Glider Thermal Analysis Engineering Notes - Panels & Cross-Sections Fin & Elevon Panels (Incomplete) Released 12-27-63	C														
D2-81162 Vol VI JE Lowe	Dyna-Soar Glider Thermal Analysis Engineering Notes - Panels & Cross-Sections Eleven Internal Structure, Fin & Rudder Panels (Incomplete) Released 12-27-63	C														
D2-81163 JE Lowe	Dyna-Soar Glider Thermal Analysis Engineering Notes - Windows, Canopy Heatshield, Hatch (Incomplete) Released 12-27-63	C														

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			COLLATERAL USAGE		DOCUMENT TYPE										
			ACTIVE	DISCONTINUED	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO CURRENT CONTRACT	INCORPORATED INTO RARE CONTRACT FOR COMPLIANCE	PROCESSED	DESIGN/TEST CRITERIA	FOR BEING ITEM	FOR HIGH BORING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81164 Vol I JE Love	Dyna-Soar Glider Thermal Analysis Engineering Notes - Pin Elevation Gap (Incomplete) Released 12-27-63	C																
D2-81164 Vol II JE Love	Dyna-Soar Glider Thermal Analysis Engineering Notes - Pin Elevation Gap (Incomplete) Released 12-27-63	C																
D2-81164 Vol III JE Love	Dyna-Soar Glider Thermal Analysis Engineering Notes - Pin Elevation Gap (Incomplete) Released 12-27-63	C																
D2-81165 JE Love	Dyna-Soar Glider Thermal Analysis Engineering Notes - Transition & Booster (Incomplete) Released 12-27-63	C																
D2-81166 JE Love	Dyna-Soar Glider Thermal Analysis Engineering Notes - Bearings (Incomplete) Released 12-27-63	C																
D2-81167 JE Love	Dyna-Soar Glider Thermal Analysis Unpublished Results - Ext. Surfaces (Incomplete) Released 1-17-64	C																
D2-81168 JE Love	Dyna-Soar Glider Thermal Analysis Unpublished Results - Int. Struct. (Incomplete) Released 12-27-63	C																
D2-81169 Vol I JE Love	Dyna-Soar Glider Thermal Analysis Engineering Notes - Temp. Limits (Incomplete) Released 12-27-63	C																

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR FOR-BOEING ITEM	FOR-BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-81169 Vol II JE Lowe	Dyna-Soar Glider Thermal Analysis Engineering Notes - Temp. Limits (Incomplete) Released 12-27-63	C														
D2-81170 JE Lowe	Prelim. Draft of Dyna-Soar Glider Thermal Analysis (Incomplete) Released 12-27-63	C														
D2-81171 JE Lowe	Meteoroid Studies (Incomplete) Released 1-17-64	C														
D2-81172 JE Lowe	Flight Test Program - Structures Technology (Incomplete) Released 1-17-64	C														
D2-81173 JE Lowe	Venting of Glider & Transition (Internal Pressures) (Incomplete) Released 1-17-64	C														
D2-81174 EF Styer	Analog Flight Simulator Summary Data (Incomplete) Released 1-10-64	C														
D2-81175 JE Lowe	X-20 Landing Phase Loads Notes & Data (Incomplete) Released 2-4-64	C														
D2-81176 EF Styer	Acoustics & Vibration, Criteria & Dynamics, Internal Correspondence (Coordination Sheets) 10/60 to 12/63 Released 1-10-64	U														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
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D2-81177 EF Styer	Coordination Sheets - Heat Transfer X-20 Structures Technology Released 1-9-64	C														
D2-81178 EF Styer	Wing Leading Edge Stagnation Line Data Survey Released 1-9-64	C														
D2-81179 EF Styer	Transition & Booster Heat Transfer Notes Released 1-9-64	C														
D2-81180 EF Styer	Elevon & Rudder Heat Transfer Notes Released 1-9-64	C														
D2-81181 EF Styer	Fin-Elevon Gap Heat Transfer Notes Released 1-9-64	C														
D2-81182 EF Styer	Upper Surface Heat Transfer Notes Released 1-9-64	C														
D2-81183 EF Styer	Delta Wing Lower Surface Heat Transfer Notes Released 1-9-64	C														
D2-81184 EF Styer	Fin Heat Transfer Notes Released 1-9-64	C														
D2-81185 EF Styer	Upper Surface & Base Pressure Notes Released 1-9-64	C														
D2-81186 EF Styer	Surface Roughness Heating - Flight Prediction Notes Released 1-9-64	C														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CO-FACTUAL USAGE		DOCUMENT TYPE								
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D2-81187 SP Styer	Turbulent Heat Transfer Theory Notes Released 1-9-64	C														
D2-81188 VO Parrish	Loading System for Dyna-Soar Elevon Actuator Qualification Tests Released 1-29-64	U														
D2-81189 VO Parrish	Development Test of Hene' h1 Resistance Heating Element Released 1-29-64	U														
D2-81190 AA Coe	Dual Seal Development Test Report Released 1-3-64	U														
D2-81191 GE Ledbetter	X-20 Research Development Program Summary 1963 Released 1-29-64	U														
D2-81191-1 Vol. I GE Ledbetter	X-20 Research Development Program Summary 1963 (Operational Mission Studies)(Logistics & Information Systems) Released 1-29-64	C														
D2-81191-1 Vol. II GE Ledbetter	X-20 Research Development Program Summary 1963 (Operational Mission Studies)(Rendezvous & Inspection) Released 1-29-64	C														

DOCUMENT NUMBER AND QUANTITY	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE									
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR BOEING ITEM	REQUIREMENT OR	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-81191-2 Vol. I GE Ledbetter	X-20 Research Development Program Summary 1963 (Capability Improvement) Released 1-29-64	C																
D-81191-2 Vol. II GE Ledbetter	X-20 Research Development Program Summary 1963 (Capability Improvement) Released 1-29-64	C																
D2-81191-2 Vol. III GE Ledbetter	X-20 Research Development Program Summary 1963 (Capability Improvement) Released 1-29-64	C																
D2-81191-2 Vol. IV GE Ledbetter	X-20 Research Development Program Summary 1963 (Capability Improvement) Released 1-29-64	C																
D2-81191-2 Vol. V GE Ledbetter	X-20 Research Development Program Summary 1963 (Capability Improvement) Released 1-29-64	C																
D2-81191-2 Vol. VI GE Ledbetter	X-20 Research Development Program Summary 1963 (Capability Improvement) Released 1-29-64	C																

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			COMMITMENT DATE		DOCUMENT TYPE									
			ACTIVE	DISCONTINUED	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FUTURE CONTRACTS	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
D2-81191-3 GE Ledbetter	X-20 Research Development Program Summary 1963 (Demonstration and Tech. Missions Study Summary) Released 1-29-64	C															
D2-81191-4 GE Ledbetter	Future Research Program Summary 1963 Released 1-24-64	B															
D2-81191-5 GE Ledbetter	X-20 Research Development Program Summary 1963 (Ground Operations and Support) Released 1-29-64	C															
D2-81192 RL Shaban	X-20 MIL-1-26600 Electro-Interference Test Program Status Released 1-15-64	U															
D2-81193 RL Shaban	X-20 Signal Data Converter MIL-I-26600 Developmental Model Electro-Interference Test Procedure Released 1-15-64	U															
D2-81194 RL Hatcher	Design Data Notebook, Arm Hydraulic Power Supply Released 1-17-64	U															
D2-81195 RL Hatcher	Design Data Notebook Glider Hydraulic Power Supply Released 1-17-64	U															

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE								
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D2-81196 Vol. I RL Hatcher	Design Data Notebook Pneumatic Subsystems Checkout Set Released 1-17-64	U														
D2-81196 Vol. II RLHatcher	Design Data Notebook Pneumatic Subsystems Checkout Set Released 1-17-64	U														
D2-81197 RL Hatcher	Design Data Notebook Air Data Test Unit Released 1-17-64	U														
D2-81198 Vol. I RL Hatcher	Design Data Notebook Leakage Detection Set Released 1-17-64	U														
D2-81198 Vol. II RL Hatcher	Design Data Notebook Leakage Detection Set Released 1-17-64	U														
D2-81190 Vol. III RL Hatcher	Design Data Notebook Leakage Detection Set Released 1-17-64	U														
D2-81199 RL Hatcher	Design Data Notebook Electrical Power Supply, 400 Cycle, 115 Volts Released 1-17-64	U														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE										
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA	REQUIREMENT OR DESIGN/TEST CRITERIA	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
D2-81200 RL Hatcher	Design Data Notebook Glider Electrical Load Bank Released 1-17-64	U																
D2-81201 RL Hatcher	Design Data Notebook Glider Test Hatches Released 1-17-64	U																
D2-81202 Vol. I RL Hatcher	Design Data Notebook GCOE Trailer Released 1-17-64	U																
D2-81202 Vol. II RL Hatcher	Design Data Notebook GCOE Trailer Released 1-17-64	U																
D2-81203 RL Hatcher	Design Data Notebook Mobile Test Center Released 1-17-64	U																
D2-81204 Vol. I RL Hatcher	Design Data Notebook Glider Suspension System Released 1-17-64	U																
D2-81204 Vol. II RL Hatcher	Design Data Notebook Glider Suspension System Released 1-17-64	U																

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE								
			ACTIVE	OBSCLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81205 Vol. I RL Hatcher	Vendor Design & Test Data Electrical Power Supply, 400 Cycle Released 1-17-64	U														
D2-81205 Vol. II RL Hatcher	Vendor Design & Test Data Electrical Power Supply, 400 Cycle Released 1-17-64	U														
D2-81205 Vol. III RL Hatcher	Vendor Design & Test Data Electrical Power Supply, 400 Cycle Released 1-17-64	U														
D2-81206 Vol. I RL Hatcher	Vendor Data GCOE Trailer Air Conditioner Released 1-17-64	U														
D2-81206 Vol. II RL Hatcher	Vendor Data GCOE Trailer Air Conditioner Released 1-17-64	U														
D2-81206 Vol. III RL Hatcher	Vendor Data GCOE Trailer Air Conditioner Released 1-17-64	U														

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			ACTIVE	OBSCLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81206 Vol. IV RL Hatcher	Vendor Data GCOE Trailer Air Conditioner Released 1-17-64	U														
D2-81207 RL Hatcher	Design Data Notebook ARM Turbine Test Control Unit Released 1-17-64	U														
D2-81208 RL Hatcher	Design Data Notebook AFU Simulator Released 1-17-64	U														
D2-81209 RL Shahan	X-20 Electro-Interference Prediction Study Released 1-15-64	U														
D2-81210 EF Styer	Leakage, Sealing and Venting Notes Released 1-6-64	U														
D2-81211 EF Styer	Index of X-20 Structures Heat Transfer Analysis and Notes Released 1-9-64	U														
D2-81223 R Pennock	X-20A Termination Document GSE/Booster AGE & Facilities Interface Control Drawing Data Not Released	U														

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			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	FOR DESIGN/TEST CRITERIA OR REQUIREMENT	FOR NON-BORING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT	
D2-81227 RL Hatcher	Design Data Notebook Barro Valve Controller Released 1-17-64	U															
D2-81228 EF Styer	Coordination Sheets Generated by the X-20 Crit. and Dynamics External Boost Loads and Flutter Groups Released 1-17-64	C															
D2-81234 GE Ledbetter	Ground Systems Studies for Operational X-20 Systems Released 1-24-64	S															
D2-81235 RL Shaban	Trajectory Tape Input Equipment for Verdun Computer Released 1-15-64	U															
D2-81240 RL Shaban	Interface Electronic Equipment for Verdun Computer Released 1-15-64	U															

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	FOR DESIGN/TEST CRITERIA	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT	
D2-81241 MH Bryant	Termination Data Package - X-20 Bench Test Equipment, General Not Released	U															
D2-81242 AK Hepler	Internal Loads Programs Released																
D2-81243 AK Hepler	Thermal Method Released																
D2-81245 FL Shaban	Summary Report for X-20 Ultra-Violet Densimeter and X-20 Vibration Measurement Released 1-31-64	U															

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			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO FRIE CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-81247 RP Person	Glycol-Water As a Heat Transport Fluid in X-20 Environmental Control Subsystem Released 1-13-64	U																
D2-81249 LPColbert	Summary of X-20A Major Technological Breakthroughs Released 1-29-64	U																
D2-81251 HT Richmond	X-20 Mission Simulators-Management, Technical and Cost/Schedules Released 1-20-64	U																
D2-81252-0 AH Olesberg	Engineering Proposal Substantiation-Definitive Proposal (\$395 million) Released 1-17-64	C																
D2-81252-1 AH Olesberg	Engineering Proposal Substantiation Negotiated Distribution (\$358 million) including Change Packages 1-4 Released 1-17-64	C																
D2-81252-2 VT Kelley	Engineering Proposal Substantiation for the Negotiated Distribution (\$358 million) including Change Packages 1-5 Released 2-21-64	U																

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D2-81253 HA Smith	X-20 Reinstatement Items Released 1-27-64	U														
D2-81255 RM Otis	Illustrations and Functional Descriptions of X-20 AGE Released 1-29-64	U														
D2-81261 MA Nelson	X-20 Engineering Summary Report Structures & Material Technology Released 3-13-64	U														
D2-81263 JS Lesko	X-20 Engineering Summary Report Flight Technology Released 3-20-64	C														
D2-81268 LP Colbert	X-20 Documentation Index Released 3-30-64	U														
D2-90128 RL McMullen	Landing Gear High Speed Test Simulated Runway Pavement Specification Released 5-3-62	U														

1.1.1 Wind Tunnel Reports

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			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT	
D2-5824	Data Report AEDC-B-BAC-9, Hypersonic Tests of the A-3661-2 Model Released 4-5-61	C	X							X						
D2-5906	Data Report AEDC-B-BAC-001 Heating and Pressure Test of A-431M-1 Released 7-12-61	C	X							X						
D2-5933	Data Report AEDC-B. BAC Wind Tunnel Test -10 Released 6-20-61	C	X							X						
SPO #1 D2-7614	BWT-041 Pressure and Heat Transfer Data for Model AD-461M-1 Released 5-25-62	C	X							X						
SPO #2 D2-8045	Data Report, Arnold Engineering Development Center Tunnel B, BAC Test No. 12 Released 6-23-61	C	X							X						
SPO #2 D2-8045-1	Data Report Re-evaluated Heat Transfer for Data from the AEDC-B-BAC-012 Test of the AD-462M-1 Model Released 11-2-62	C	X							X						

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
SPO #3 D2-8009	Data Report BSWT-087 High Speed Test of the Dyna Soar Project Released 2-7-61	C	X									X					
SPO #4 D2-80032	Aerodynamic Force, Heat Transfer and Pressure Measurements on Dyna-Soar Configurations Released 3-21-61	C	X									X					
SPO #5 D2-80062	Shock Tunnel Pressure and Heat Transfer Investigation on Three Delta Wing Research Models Released 8-1-61	C	X									X					
SPO #6 D2-80304	Data Report, Dyna Soar Real Gas Tests in the AVCO 4.0 inch Diameter Shock Tube Released 6-20-61	C	X									X					
SPO #7	CANCELLED																
SPO #8 D2-80049	Data Report BMMT Test No. 0114 on the AD-138M-1 Parametric Model for the Dyna Soar Program Released 9-27-61	C	X									X					

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
SPO #9	CANCELLED																
SPO #10 D2-7614	BHWT-0411 Pressure and Heat Transfer Data for Model AD-461M-1 Released 5-25-62	C	X														
SPO #11	NONE - Data not received from Langley in reproducible form. Also no Langley report to be released.																
SPO #12 D2-7614	BHWT-0411 Pressure and Heat Transfer Data for Model AD-461M-1 Released 5-25-62	C	X														
SPO #13 D2-8045	Data Report, Arnold Engineering Development Center Tunnel B, BAC Test No. 12 Released 6-23-61	C	X														
SPO #13 D2-8045-1	Data Report Re-evaluated Heat Transfer Data from the AEDC-B-PAC-012 Test of the AD-462M-1 Model Released 11-2-62	C	X														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE								
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SPO #14 D2-80910	Turbulent Reference, Roughness, Leakage and Reflected-Surface Heat Transfer and Pressure Tests for TBC Released 5-31-63	U	X								X					
SPO#15 D2-8078	Data Report AEDC-B. BAC Wind Tunnel Test 013 Released 9-20-61	C	X								X					
SPO #15 D2-8078-1	Data Report - Re-evaluated Heat Transfer Data from B1 Configuration of the AEDC-B-BAC-013 Test of a Dyna Soar Nose Released 9-20-62	C	X								X					
SPO #16 D2-80032	Aerodynamic Force, Heat Transfer and Pressure Measurements on Dyna-Soar Configurations Released 3-21-61	C	X								X					
SPO #17	Same document as above (SPO #16)															
SPO #18 D2-80070	Data Report BIWT Test No. 45 Released 2-2-62	C	X								X					

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
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SPO #19 D2-80491	Data Report JPL 21-83 Heat Transfer and Pressure Test on a Slotted Leading Delta Wing Model Released 8-20-62	C	X											X			
SPO #20	CANCELLED																
SPO #21 D2-8206	Data Report Arnold Engineering Development Center Tunnel B, BAC Test No. 015 Released 6-28-61	C	X											X			
SPO #21 D2-8221	Data Report AEDC-B-BAC-19 Flow Survey Probe Test and Oil Flow Study on a Dyna Soar Wind Tunnel Model Released 6-6-61	C	X											X			
SPO #22 D2-80062	Shock Tunnel Pressure and Heat Transfer Investigation on Three Delta Wing Research Models Released 8-1-61	C	X											X			
SPO #23 D2-80032	Acrodynamic Force, Heat Transfer and Pressure Measurements on Dyna-Soar Configurations Released 3-21-61	C	X											X			

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SPO #24 D2-80304	Data Report, Dyna Soar Real Gas Tests in the AVCO 4.0 inch Diameter Shock Tube Released 6-20-61	C	X														
SPO #25	CANCELLED																
SPO #26 D2-80079	This document has not as yet been transmitted to the Air Force																
SPO #27 D2-80342	A Base Heating and Visual Study of the AD-563W-1 Released 2-21-62	C	X														
SPO #28	CANCELLED																
SPO #29 D2-8171	Data Report Boeing Supersonic Wind Tunnel Test No. 043 Released 7-31-61	C	X														
SPO #30 D2-80343	Data Report, Ohio State University Heat Transfer and Static Pressure Test of AD-496M-3 Released 8-16-61	C	X														

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
SPO #31 D2-8208	Data Report Arnold Engineering Development Center Tunnel B, BAC Test No. 016 Released 6-6-61	C	X														
SPO #32	NONE - Per SPO agreement Langley facility report (I2010-Published as IAS Paper #62-127) satisfies data report requirement.																
SPO #33 D2-80248	Data Report AC-B, BAC Wind Tunnel Test No. 020 Released 7-21-61	C	X														
SPO #34 D2-80319	Data Report BHST -013, Pressure and Heat Transfer Test on a .040 Scale Model of the Dyna Soar Glider 844-2035 Configuration Released 9-27-61	C	X														
SPO #35 D2-80748	Hypersonic Pressure and Heat Transfer Tests of the Dyna Soar Model Number 844-2050 Released 10-16-62	C	X														

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DOCUMENT NUMBER AND CREDENTIALS	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			COMMERCIAL USAGE			DOCUMENT TYPE							
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
SPO #36 D2-80342	Data Report BHST 024, Pressure and Heat Transfer Test on AD-590M-1 Released 7-11-62	C	X								X					
SPO #37 D2-80570	CANCELLED															
SPO #38																
SPO #39 D2-80794																
SPO #40 D2-80297	Pressure and Heat Transfer Investigation on Titan I Booster Dyna-Soar Glider #2005 Model Released 6-9-61	C	X								X					
SPO #41 D2-8220	Data Report AMX-B-MAC-17, Heat Transfer Test on a Complete .033 Scale Dyna-Soar Vehicle with the First and Second Stage Booster System Released 6-6-61	C	X								X					
SPO #42 D2-80299	Data Report JPL 21-57 Heat Transfer Test on a .0167 Scale Dyna-Soar Glider with the Transition and Second Stage Booster Released 2-21-62	C	X								X					

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCURMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
SPO #13 D2-80353	Data Report BHST 016, Heat Transfer and Pressure Test on AD-532M-2 Released 11-14-61	C	X										X				
SPO #14 D2-80604	Data Report AMDC-C, Boeing Company Heat Transfer and Pressure Test on a .033 Scale Glider, Transition and Booster of a Dyna Soar Configuration Released 4-13-62	C	X											X			
SPO #15 D2-80395	Data Report JPL 21-69 Heat Transfer and Pressure Test on a .0167 Scale Dyna Soar Vehicle Released 7-16-62	C	X											X			
SPO #16	CANCELLED																
SPO #17 D2-80398	Data Report AEDC Tunnel B. Boeing Company Test No. 022 Released 2-21-62	C	X											X			
SPO #18 D2-80615	Study of Some Aerodynamic Characteristics of the Dyna Soar Forward Fuselage Released 5-14-62	C	X											X			

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
SPO #19 D2-80104	BHWT 051 - A Pressure Heat Transfer Test on AD-546M-2 Released 7-11-62	C	X														
SPO #50 D2-80689	Hypersonic Shock Tunnel Pressure and Heat Transfer Investigation of The Boeing Company Forward Fuselage Dyna Soar Model Released 6-22-62	C	X														
SPO #51 D2-80366	Data Report BHST -017, Heat Transfer and Pressure Test of AD-556M-1 Released 12-14-61	C	X														
SPO #52	CANCELLED																
SPO #53 D2-80158	Data Report AEDC Tunnel C Boeing Company Test 001 Released 3-12-62	C	X														
SPO #54	UNASSIGNED																
SPO #55 D2-80877	A Study of Some Aerodynamic Characteristics of the Dyna Soar Glider at M-12.89 Released 4-11-63	C	X														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE									
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO FRIE CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR FOR-NOH BOEING ITEM	FOR-NOH BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, CR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT	
SPO #56	NONE-HETS Configuration - No data report to be released	U	X														
SPO #57 D2-8148	Preliminary Skin Panel Flutter Tests, AD-375D-2-3 Released 5-22-62	U	X														
SPO #58	Same document as above (SPO #57)	U															
SPO #59 D2-81095 EF Styer	Transonic, Supersonic Panel Flutter Test AD 375D-5 Released 1-10-64	U															
SPO #60 SPO #61 SPO #62 D2-8151 RM Haynes	Glider Flutter Tests, AD 487D-1, AD 492D-1, -2 Released 1-2-64	U															
SPO #63 SPO #64	Testing scheduled to be completed in 1st Quarter Calendar 1964																
SPO #65	CANCELLED																
SPO #66	CANCELLED																
SPO #67	CANCELLED																

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE										
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
SPO #68 D2-8214 Vol I & II	Data Report, Ames Research Center Unitary Plan 11' x 11' Wind Tunnel Test No. 51 Released 6-20-61	C	X															X
SPO #69 D2-80047 Vol I, II, III	Data Report, Ames Research Center 9' x 7' and 8' x 7' Unitary Plan Wind Tunnel Test No. 80 and 83 Released 6-28-61	C	X															X
SPO #68 D2-80048 Vol I, II, III	Data Report, Arnold Engineering Development Center VKF Tunnel A, Test No. 68 Released 9-18-61	C	X															X
SPO #69 D2-80793 Vol I, II, III LD Peterson	Data Report, Ames Research Center 9' x 7' and 11' x 11' Unitary Plan Wind Tunnels, Tests No. 90 & 114 Released 8-6-63	C	X															X
SPO #70 D2-80008	Data Report, ARC 11' x 11' Test 45 High Speed Force & Pressure Test of the AD-478M-1 Released 7-31-61	C	X															X
SPO #70 D2-8106	Data Report, ARC 78 and 82 Supersonic Pressure and Force Tests on AD-478M-1 Released 6-6-61	C	X															X

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO FINAL CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR NON-BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
SPO #70 D2-80021	Data Report, AEDC Tunnel A Test No. -70 Released 8-28-61	C	X														
SPO #71 D2-80498	SPO 71 (ARC 69)-High Speed Dyna-Soar Test Released 4-12-62	C	X														
SPO #72	Ltr. Rpt. 75223-46-2 (See SPO approved Wichita Statement of Work, D3-3586-1, page 36.00)	C	X														
SPO #73 D2-8147	Preliminary Ground Wind Induced Oscillation Test, Dyna-Soar Released 8-30-61	C	X														
SPO #74	Data Report, ARC-AEDC Tunnel A																
SPO #75	Data Report, ARC-AEDC Tunnel A																
SPO #76	No report to be released																
SPO #77	Ltr. Rpt. 75221-55-2 (See SPO approved Wichita Statement of Work D3-3586-1, page 36.00)																

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			ACTIVE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
SPO #78 D2-6721	Data Report BSWT -077 Supersonic Test of the Dyna Soar Project Released 11-3-60	C	X							X						
SPO #79 D2-8146	Data Report Langley 16' Transonic Wind Tunnel Test No. 170 Transonic Speed Stability Tests on the AD-3661-5 Model Released 6-6-61	C	X							X						
SPO #80 D2-7901	Data Report Jet Propulsion Laboratory Test No. 21-24, Hypersonic Trailing Edge Control Effectiveness Test of AD-4821-1 Released 4-5-61	C	X							X						
SPO #80 D2-80058	Data Report, Jet Propulsion Laboratory Test No. 21-38 Hypersonic Pressure Test of AD-4821-1 Released 8-11-61	C	X							X						
SPO #80 D2-80098	Data Report Jet Propulsion Laboratory Test No. 21-44, Hypersonic Control Effectiveness Test of AD-4821-1 Released 8-23-61	C	X							X						

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
SPO #81 D2-8016	Data Report AEDC-B-BAC-14 Six Component Force Test on Model AD-4901-1 Released 2-10-61.	C	X														
SPO #82 D2-80004	Hypersonic Shock Tunnel Pressure and Heat Transfer Investigation of the BAC Dyna Soar Model Released 2-15-61	C	X														
SPO #83 D2-80016	Additional Pressure Investigations of the BAC Dyna Soar Model #473 in the Cornell Aeronautical Laboratory Hypersonic Shock Tunnel Released 3-20-61	C	X														
SPO #83 D2-80022	Cornell Aeronautical Laboratory Hypersonic Shock Tunnel Force Investigation of the BAC Dyna Soar Model #473 Released 3-21-61 CANCELLED	C	X														
SPO #85 D2-8089	Data Report, ARC 121 PWT 122 Low Speed Test of the AD-4881-1 Released 3-13-62	C	X														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE					PAGE	155		
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA			MANAGEMENT	PROCEDURAL
SPO #86 D2-8160	Data Report, Langley Research Center, 11" Hypersonic Wind Tunnel Test No. 117, Model AD-4931-1 Released 3-23-61	C	X													
SPO #87 D2-80291	A Summary of Pressure Data Obtained with One Configuration of the AD-469M-1 Dyna Soar Model Released 5-21-61	C	X													
SPO #88 D2-80032	Aerodynamic Force, Heat Transfer and Pressure Measurements on Dyna Soar Configurations Released 3-21-61	C	X													
SPO #89 D2-80060	Data Report BWVT 006 Hypervelocity Test of a Dyna Soar Glider Configuration Released 6-6-61	C	X													
SPO #90 D2-81142	Data Report BWVT 623, High Speed Test of AD-3661-6 Released 3-13-61	C	X													

DOCUMENT NO. D2-81268

Section 1.1.1

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
SPO #90 D2-8116	Data Report Boeing Supersonic Wind Tunnel Test No. 093 Supersonic Performance, Longitudinal and Lateral Directional Stability and Control Characteristics on AD-3661-6 Released 3-21-61	C	X											X			
SPO #91 D2-8038	Data Report, BTWT 619, A Low Speed Test of the AD-4881-2 Model Released 6-20-61	C	X											X			
SPO #92 D2-8225	Data Report BTWT 634 Low Speed Tests of the Dyna Soar Glider Released 7-20-61	C	X											X			
SPO #93 D2-80025	Data Report BTWT 636. Transonic Speed Test of the AD-5431-1 Released 6-20-61	C	X											X			
SPO #94 D2-80005	Data Report BSWT 096, Supersonic Stability and Control Force Test of the AD-5431-1 Model Released 6-6-61	C	X											X			
SPO #95 D2-80006	Data Report Arnold Center Tunnel B Boeing Test No. 18, Hypersonic Stability and Performance Tests of AD-5401-1 Released 7-20-61	C	X											X			

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	REQUIREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR FOR BOEING ITEM	FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
SPO #96 D2-80031	Data Report Jet Propulsion Laboratory Test No. 21-49 Released 6-6-61	C	X								X					
SPO #97	NONE - Langley facility to release data report - No Boeing report planned															
SPO #98	CANCELLED															
SPO #99 D2-80296	Data Report for the BHST O10 Test of the AD-542I-1 Model Released 8-23-61	C	X								X					
SPO #100	CANCELLED															
SPO #101	CANCELLED															
SPO #102	NONE - Ames data report AF-AM-2417 released - No Boeing report planned.															
SPO #103 D2-80461	Data Report, BWFT 680 and 682, Forco and Hinge Moment Test on Dyna Soar Model AD-600I-1 Released 7-16-62	C	X								X					

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE				PAGE			
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA	FOR NON-BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT		SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL
SPO #103 D2-80572	Data Report, Boeing Transonic Wind Tunnel Test No. 700. Force and Hinge Moment Test on Dyna Soar Model AD-600I-1 Released 6-28-62	C	X								X					
SPO #103 D2-80629	Data Report BTWT 715. A High Speed Force and Hinge Moment Test of the Dyna Soar Glider Released 7-16-62	C	X								X					
SPO #103 D2-80460	Data Report BTWT 685. A Transonic Test of the Dyna Soar Glider. Released 3-6-62	C	X								X					
SPO #103 D2-80494	Data Report BTWT 672. A Transonic Speed Test of the Dyna Soar Glider Released 2-21-62	C	X								X					
SPO #104 D2-80347	Data Report BSWT 105 Supersonic Force, Stability and Control Test of a .0666 Scale Model of the B44-2050 (Rev. B) Dyna Soar Glider Released 11-22-61	C	X								X					

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
SPO #104 D2-80540	Data Report BSWT 121 Supersonic Force, Stability and Control Test on a .0666 Scale Model of the 844-2050 Released 4-13-62	C	X								X					
SPO #104 D2-80492	Data Report BSWT 113 Supersonic Force, Stability and Control Test on Variations of a .0666 Scale Model of the 844-2050 AD-6001-1 Dyna Soar Glider Released 4-13-62	C	X								X					
SPO #105 D2-80614	Data Report, Arnold Engineering Development Center Tunnel A Boeing Test No. 5 Released 7-11-62	C	X								X					
SPO #106 D2-80652	Data Report, BSWT 129 Supersonic Force, Stability and Control Test on a .0666 Scale Model of the 844-2050 Released 11-15-62	C	X								X					
SPO #106 D2-80418	Data Report Arnold Engineering Development Center Tunnel B, Boeing Test No. 21 Released 8-28-62	C	X								X					

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE						
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
SPO #107 D2-80406	Data Report, JPL 21-74 to Determine Performance, Longitudinal Stability and Lateral - Directional Stability Characteristics of the AD-588I-1 Released 3-26-62	C	X								X				
SPO #108 D2-80569	Data Report AEDC (VKF-Tunnel C) Boeing Test No. 4 Released 7-16-62	C	X								X				
SPO #109, #110, and #111	CANCELLED														
SPO #112 D2-80532	Data Report BHST 022. Hypervelocity Test to Determine the Stability and Control Characteristics of the AD-588I-1 Model Released 2-2-62	C	X								X				
SPO #112 D2-80645	Data Report BHST 027 and 027-1. Hypervelocity Force Tests to Determine the Stability and Control Characteristics of the AD-588I-1 Released 5-31-62	C	X								X				
SPO #113, #114, and #115	CANCELLED														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
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SPO #116 D2-80700	Data Report 11: UWT 79 Rotary Derivative Test of the Dyna Soar Model at Ames Research Center Released 8-6-62	C	X														
SPO #117 thru SPO #123	CANCELLED																
SPO #124 D3-3712	This document has not as yet been transmitted to the Air Force																
SPO #125	Ltr. Rpt. 3-3711-211545 (See SPO approved Wichita Statement of Work, D3-3586-1, page 36.00)																
SPO #126 D2-80729	BTWT Test No. 739. A High Speed Force and Moment Test of the 844-2050 Dyna Soar Glider/Transition Section Released 10-16-62	C	X												X		
SPO #126 D2-80647	Data Report BSWT 132, Supersonic Test on AD-5871-1 Released 7-23-62	C	X												X		

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
SPO #127 thru SPO #132	CANCELLED															
SPO #133 D2-80026	Data Report 640 Transonic Speed Test of the Dyna Soar Model Released 7-20-61	C	X											X		
SPO #133 D2-80298	Data Report 655 - Transonic Speed Test of the Dyna Soar Glider Released 8-28-61	C	X											X		
SPO #133 D2-80099	Data Report BSWT 099 Supersonic Force, Stability and Control Test of the AD-543I-2 Released 7-21-61	C	X											X		
SPO #134 D2-80009	Data Report, ARC 11: Test 45, High Speed Force Test of the AD-178I-1 Released 7-31-61	C	X											X		
SPO #134 D2-8137	Data Report Ames Research Center, 9' x 7' and 8' x 7' Unitary Wind Tunnel Test 78 and 82 Released 6-6-61	C	X											X		

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SPO #134 D2-80020	Data Report, AEDC Tunnel A Test 134, High Speed Force Test of AD-4781-1 Released 8-23-61	C	X														
SPO #135, SPO #136, SPO #137	CANCELLED																
SPO #138, SPO #139, SPO #140	Martin Tests																
SPO #141 D2-7967	Data Report, Arnold Engineering Development Center Tunnel B, BAC Test No. 11 Released 2-17-61	C	X														
SPO #142	CANCELLED																
SPO #143 D2-80363	Data Report, Boeing Supersonic Wind Tunnel Test No. 108 Released 10-31-61	C	X														
SPO #144	No report to be released																

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			ACTIVE	ORSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
SPO #1145 D2-80649	Data Report, BSWT 135, Pressure, Force and Trajectory Tests on the Heatshield for Dyna Soar Model AD-626M-1 Released 9-19-62	C	X																
SPO #1146 D2-80682	Data Report 738, A High Speed Heat Shield Release, Pressure and Force Test of the Dyna Soar Glider Released 11-15-62	C	X																
SPO #1147 D2-80555	Data Report, BTWT 702. Pressure Test of the AD-594P-1 Released 4-19-62	C	X																
SPO #1148 D2-80602	BSWT-126 Data Report Supersonic Air Data System Development Test of AD-594P-1 Released 7-16-62	C	X																
SPO #1148 D2-80679	Data Report, BSWT 138, A Supersonic Pressure Test of the Dyna Soar Glider Released 11-15-62	C	X																

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIOR CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
SPO #148 D2-80694	Data Report WWT 744. A High Speed Pressure Test on the Dyna-Soar Glider Released 11-15-62	C	X													
SPO #149 & SPO #150 D2-80713	Pressure Spectra and Space Correlations from Aerodynamic Noise Test, AD-366 P-1 Released 10-16-63	U														
SPO #151	No report to be released															
SPO #152 D2-80072	Data Report WWT 123 Stability Test of the Dyna-Soar Model at Ames Research Center Released 9-20-61	C	X											X		
SPO #153 D2-80379	Data Report, Ames Research Center, Tests 86, 94, & 60. Arnold Engineering Development Center Test No. 301142 Released 3-19-62	C	X											X		
SPO #154 D2-80302	Data Report WWT -014 Hypervelocity Heat Transfer Rate and Pressure Test on the AD-46M-2 Model Released 10-12-61	C	X											X		

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT	
SPO #155	Incorporated into Tests #103 and #104															
SPO #156	CANCELLED															
SPO #157 D2-80531	Data Report, Arnold Center Tunnel B Boeing Company Test No. 23 Released 4-13-62	C	X											X		
SPO #158	CANCELLED															
SPO #159 D2-81248																
SPO #160 D2-80905 D2-80905-Part II	Hypersonic Shock Tunnel Heat Transfer and Pressure Investigation of The Boeing Company X-20 Configuration Released 5-31-63	C												X		
SPO #161	No report to be released															
SPO #162	CANCELLED															

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE											
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT		
SPO #163 D2-80683	Data Report JPL 21-99. Heat Transfer and Pressure Test on a .0167 Scale Dyna-Soar Glider with Transition Released 7-16-62	C	X																
SPO #164 and SPO #165	CANCELLED																		
SPO #166 D2-80767-1 & D2-80767-2	Data Report, Arnold Engineering Development Center Tunnel C, The Boeing Company Test No. 005 Released 12-2-63	U																	
SPO #167 and SPO #168	No report to be released																		
SPO #169 thru SPO #178	CANCELLED																		
SPO #179 D2-80449	Data Report, Boeing Supersonic Wind Tunnel Test No. 116 Released 4-12-62	C	X																X
SPO #180 D2-80403 Vol I & II	Data Report, BWTF 678 - High Speed Air Load & Hinge Moment Test of AD-501M-2 Released 6-28-62	C	X																X

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE									
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	REQUIREMENT INCORPORATED INTO PRESENT CONTRACT	INCORPORATED INTO FUTURE CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT
SPO #181, SPO #182, & SPO #183	CANCELLED																	
SPO #184 D2-80641	Skin Panel Flutter Test, Refine I, AD-375D-4 Released 11-5-62	U	X															
SPO #185	CANCELLED																	
SPO #186	NONE-Testing terminated due to Booster change. No data report will be released																	
SPO #187 D2-81258 TJ Cronin	Final Report Dyna-Soar Testing for the Boeing Company on Visual Rate Distribution at Rhodes and Bloxson Released 1-31-64	C																
SPO #188 D2-22491 Vol I, II, III	Data Report AEDC-B-BC-24, A Mach 8 Heat Transfer and Pressure Test to Investigate Shock Boundary-Layer Interaction on a Flat Plate Model, AR-500M-2 Released 7-22-62	U	X															
SPO #189	Ltr. Rpt. 2-5751-00-329																	

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE							
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	FOR DESIGN/TEST CRITERIA OR REQUIREMENT	FOR NON-BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT
SFO #190 D2-80841	Data Report BMT 171, Force and Hinge Moment Test on the .0666 Scale AD-6001-3 Model Released 6-18-63	C	X								X					
SFO #190 D2-80851	Data Report BMT 789, a High Speed Force and Hinge Moment Test on the X-20 Released 6-18-63	C	X								X					
SFO #191 D2-80911	Final Report Dyna-Soar Testing for The Boeing Company Released 5-31-63	C	X								X					
SFO #192	CANCELLED															
SFO #193	CANCELLED															
SFO #194 D2-80882	Data Report Project No. WFO 142-H00 AEDC Hotshot 2 Hypervelocity H/T Rate and Pressure Test on the AD-463M-3 Model Released 7-6-63	C	X								X					
SFO #195 D2-80912	Data Report AEDC-C-BC-010, Surface Roughness H/T and Pressure Test on Model AD-633M-2 Released 12-4-63	U														
SFO #196 D2-80955																
SFO #197 D2-80998	Data Report AEDC-C-BC-9, Mach 10 H/T & Pressure Test of the AD-609M-1 Released 10-16-63	C														

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE		DOCUMENT TYPE										
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
SPO #198 D2-80871 Vol I & II	Data Report BRST 044, E/T Test on AD-588M-1, A .04 Scale X-20 Dyna-Soar 844-2050 Configuration Released 7-5-63	C	X															
SPO #199	CANCELLED																	
SPO #200	CANCELLED																	
SPO #201	CANCELLED																	
SPO #202	CANCELLED																	
SPO #203 T2-2648	X-20/624A Air Vehicle, Buffet Test Released 10-16-63	U																
SPO #204 D2-81001	Data Report AEDC-C-30-11, Flow Field Investigation & Pressure Test on Models AD-607M-3 and AD-551 of the X-20A Dyna-Soar Glider Released 2-11-64	C																

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Facilities Documentation

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			ACTIVE	OBSELETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-8010-1	Missile Assembly Facility (Hangar "L") Cape Canaveral Missile Test Annex - PAFB, Florida		X			X										
D2-8010-2	Missile Operations Bldg., Cape Canaveral, Missile Test Annex, PAFB, Florida		X			X										
D2-8010-3	Missile Guidance Station, Cape Canaveral Missile Test Annex, PAFB, Florida		X			X										
D2-8010-4	Missile Assembly Facility Shop Bldg., Cape Canaveral Missile Test Annex, PAFB, Florida		X			X										
D2-8010-5	Missile Assembly Facility (Hazardous), Cape Canaveral Missile Test Annex, PAFB, Florida	U	X			X										
D2-80419	Facilities Change Control Plan - X-20 Program Boeing Area of Administration	U	X													X
D2-80421	Equipment Installation Subcontract Plan	U	X													X
D2-80422	Facilities Construction Surveillance Plan	U	X													X

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE									
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST FOR BOEING ITEM	CRITERIA OR REQUIREMENT FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROCESS REPORT		
D2-80831	X-20 Industrial Facilities Equipment Provisioning Plan - Outplant Test Sites	U	X															
FDD 2-2673-1	Glider AMT and Other Support Facilities - AFFTC		X			X												X
FDD 2-2673-3	Isolated Assembly Facility - AFFTC		X			X												
FDD 2-2673-4	X-20 Glider Loading and Servicing Area - AFFTC		X			X												

1.3 Manufacturing Documentation

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			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80391 Volumes I and II	Special Tooling List	U	X			X								X			
D2-80431	Dyna-Soar Electrical and Electronics Manufacturing Specification and Schedules	U	X												X		
D2-80489	Government Furnished Property - GFF and GFPE - Dyna-Soar - FCR	U	X				X							X			
D2-80500	Dyna-Soar Fabrication Information	U	X											X			
D2-80537	Dyna-Soar Master Tooling Accountability	U	X											X			
D2-80644	X-20 Item Descriptions	U	X											X			
D2-80666	Surplus GFF for Use on Dyna-Soar Program	U	X														
D2-80715	Dyna-Soar Manufacturing Plans	U	X						X								
D2-80738	Material Handling Standards	U	X														X
D2-80749 80744	Chemical Milling Aluminum Alloys - Dyna-Soar	U	X														X
D2-80763	Hardware Manufacturing Responsibilities Document - X-20 Program	U	X														X

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT		
D2-80835	Manufacturing Budget and Cost Collection Plan - X-20 Program	U	X											X			
D2-80840	Wichita Division Support to X-20 Manufacturing	U	X												X		
D2-80874	Wichita Finance Director Service Assist to Aero-Space Manufacturing X-20	U	X											X			
D2-80906	Master Schedules Document		X														
D2-80982-1	Chemical Milled Circuitry Fabrication Process and Techniques		X														
D2-80982-2	Assembly of Chem Milled Circuit Modules Containing Two, Three and Four Foils		X														
D2-80995	X-20 Test Specimens Requirements		X														
D2-81257	X-20 Manufacturing Status through 12-15-63		X														

1.4 Program Management Documentation

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DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE									
			ACTIVE	OBsolete	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT REQUIREMENT	INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT	
D2-5697-3	Make-or-Buy Plan Dyna-Soar Program	U	X			X							X				X	
D2-5697-4	Reliability Plan	U	X			X							X					
D2-7326-1 thru -21	X-20 Quarterly Summary Progress Reports	C	X			X												X
D2-7426	Associate Contractor Relationship Between Boeing and Martin Baltimore																	
D2-8066	Glossary of Terms	U																
D2-8203	Associate Contractor Relationship Between Boeing and Minneapolis-Honeywell		X															X
D2-8205	Associate Contractor Relationship Between Boeing and RCA		X															
D2-80340	X-20 (Dyna-Soar) Summary	C	X															X
D2-80360	Step I Variance and Schedule Report	C	X						X									X
D2-80489	GFP and GPAB Document	U	X						X									X
D2-80557	Dyna-Soar Program Control Room Security and Instruction Manual	U	X						X									X

DOCUMENT NUMBER AND ORIGINATOR	DOCUMENT TITLE	SECURITY CLASSIFICATION	DOCUMENT STATUS			CONTRACTUAL USAGE			DOCUMENT TYPE								
			ACTIVE	OBSOLETE	CANCELLED	TO BE MAINTAINED AND SUBMITTED TO FULFILL A CURRENT CONTRACT	REQUIREMENT INCORPORATED INTO PRIME CONTRACT FOR COMPLIANCE	PROCUREMENT SPECIFICATION	DESIGN/TEST CRITERIA OR REQUIREMENT	FOR BOEING ITEM	FOR-NON BOEING ITEM	STUDY, ANALYSIS, PRELIMINARY DESIGN	TEST REPORT	SCHEDULE, BUDGET, OR COST DATA	MANAGEMENT	PROCEDURAL	PROGRESS REPORT
D2-80575	Work Order and Sub Number(s) for Program Elements Dyna-Soar Program	U	X												X		
D2-80739	X-20 Glider Secondary Power Bay Class I Mock-up 9-5-62	C		X												X	
D2-80741	Presentation to Scientific Advisory Board 8-8-62	C		X													
D2-80878	X-20 Change Processing Manual	U	X													X	
D2-80928	Pilot Oriented Dyna-Soar Designs	U	X												X		
D2-81135	PIET in Progress Activity Review		X														X
D2-81256	Data Acquired on Boeing Simulators with X-20 Pilots		X														
D2-81262	Summary of X-20 Development Design Test and Fabrication of Hardware		X														X

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AIRESEARCH MANUFACTURING COMPANY DOCUMENTS

(Hydrogen Cooling Equipment)

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MAJOR SUBCONTRACTOR AIRESEARCH MANUFACTURING COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-1-MR	First Weekly Progress Report	May 19, 1961
DS-2-R	Evaluation of Helium as Heat Transport Fluid	May 26, 1961
DS-3-R	Transport Fluid Study	June 4, 1961
DS-4-MR	Second Weekly Progress Report	June 1, 1961
DS-5-MR	Third Weekly Progress Report	June 6, 1961
DS-6-R	Item 1B Hydrogen-Glycol Heat Exchanger Study	June 9, 1961
DS-7-MR	Fourth Weekly Progress Report	June 9, 1961
DS-8-MR	Fifth Weekly Progress Report	June 16, 1961
DS-9-MR	Sixth Weekly Progress Report	June 23, 1961
DS-10-R	Development Plan	June 22, 1961 Rev. February 6, 1963
DS-11-MR	Seventh Weekly Progress Report	June 30, 1961
DS-12-R	Item 1C Controls Analysis	July 15, 1961
DS-13-MR	Eighth Weekly Progress Report	July 8, 1961
DS-14-R	Development Test Procedure, Experimental Glycol Cooler	July 21, 1961

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MAJOR SUBCONTRACTOR AIRSEARCH MANUFACTURING COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-15-R	Volume I, Part 1, Technical Proposal Volume I, Part 2, Program Plan	August 7, 1961 August 7, 1961 Rev. November 1, 1961
Volume II	Volume II	August 7, 1961 Rev. February 14, 1962
DS-16-R	Organization Plan	August 7, 1961
DS-17-R	Reliability Plan	August 7, 1961
DS-18-R	Support Plan	August 7, 1961 Rev. February 2, 1962
DS-19-MR	Ninth Weekly Progress Report	July 14, 1961
DS-20-MR	Spec Review, DI-8000, Quality Control Requirements	July 27, 1961
DS-21-MR	Spec Review, BAC 5132, Bonding and Grounding	July 27, 1961
DS-22-MR	Spec Review, Program Evaluation Procedure	July 27, 1961
DS-23-MR	Spec Review, D2-7486, Electronic Parts	July 27, 1961
DS-24-MR	Spec Review, D2-8391, Electronic Power Characteristics	July 27, 1961
DS-25-MR	Spec Review, D2-7481, Electronic Packaging	July 27, 1961 Rev. September 19, 1961
DS-26-MR	Spec Review, DS-MED 207, Integrated Record System	July 27, 1961

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MAJOR SUBCONTRACTOR **AIRESEARCH MANUFACTURING COMPANY**

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-27-MR	Spec Review, D2-4819, Reliability Guide	July 27, 1961
DS-28-MR	Spec Review, BAC 5052, Soldering Electrical Connections	July 27, 1961
DS-29-MR	Spec Review, BAC 5130, Missile Wiring	July 27, 1961
DS-30-MR	Spec Review, IM 1011, Subcontractor Required Reports	July 27, 1961
DS-31-MR	Spec Review, D2-7792, Motion Picture Reports	July 27, 1961
DS-32-MR	Spec Review, BAC 5104, Electric Wire Terminals	July 27, 1961
DS-33-MR	Spec Review, BAC 5131, Terminals, Splices, Connectors	July 27, 1961
DS-34-MR	Spec Review, IM 1027, Administrative Guide	July 27, 1961
DS-35-MR	Spec Review, D2-6558, General Requirements Supplement	July 27, 1961
DS-36-MR	Spec Review, 10-20917, Source Control Drawing	July 27, 1961
DS-37-MR	Spec Review, 10-20902, Generator and Controls Unit, A C	July 27, 1961
DS-38-MR	Spec Review, D2-8047, Integrated H ₂ Cooling and Secondary Power Subsystem	July 27, 1961
DS-40-MR	Spec Review, 10-20917, Rev. B	July 27, 1961
DS-41-R	Freezing Characteristics of H ₂ - Glycol Heat Exchanger	July 13, 1961
DS-42-R	Safety Analysis	September 7, 1961 Rev. March 22, 1962

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MAJOR SUBCONTRACTOR AIRESEARCH MANUFACTURING COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-43-R	Numerical Reliability Analysis	August 16, 1961 Rev. April 23, 1962
DS-44-MR	Comment on Preliminary Outline Drawings	November 7, 1962
DS-45-R	Pump Unit Study, Initial Design and Development Studies	July 29, 1961
DS-46-MR	Tenth Weekly Progress Report	July 21, 1961
DS-47-MR	Eleventh Weekly Progress Report	July 29, 1961
DS-48-MR	Cooling Units Fans Study, Initial Design and Development Studies	August 13, 1961 Rev. December 28, 1961
DS-49-MR	Twelfth Weekly Progress Report	August 4, 1961
DS-50-MR	Thirteenth Weekly Progress Report	August 16, 1961
DS-51-MR	Fourteenth Weekly Progress Report	August 18, 1961
DS-52-MR	Re-evaluation of Pump Study	August 22, 1961
DS-53-R	Volume I, Technical Proposal, Hydrogen Tank Pressurization Volume II, Cost Proposal	September 19, 1961 October 12, 1961 Rev. February 14, 1962
DS-54-R	Design Concepts for Reliability	August 31, 1961 Rev. March 30, 1962

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MAJOR SUBCONTRACTOR - AIRESEARCH MANUFACTURING COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-55-MR	Fifteenth Weekly Progress Report	August 25, 1961
DS-56-R	Description of Preliminary Development Tests per Letter Order 2-043053-9554, Exhibit A, July 25, 1961	September 7, 1961
DS-57-MR	Sixteenth Weekly Progress Report	September 1, 1961
DS-58-R	Re-evaluation of Pump Unit Study	September 15, 1961
DS-59-MR	Seventeenth Weekly Progress Report	September 8, 1961
DS-60-MR	Eighteenth Weekly Progress Report	September 15, 1961
DS-61-MR	Nineteenth Weekly Progress Report	September 22, 1961
DS-62-MR	Twentieth Weekly Progress Report	September 23, 1961
DS-63-R	Primary Glycol-Water Cooler Configuration Selection Study	December 11, 1961
DS-64-R	Failure Analysis	January 8, 1962
DS-65-R	Test Briefs, Preliminary Development Tests	Rev. March 30, 1962
DS-66-R	Analytical Study, Hydraulic Fluid Cooling Unit	October 25, 1961
DS-67-R	Glycol Reservoir Volume Study	October 26, 1961
DS-68-R	First Monthly Progress Report - 11-61	November 13, 1961
DS-69-R	First Monthly Weight and Balance Report	November 4, 1961
		November 7, 1961

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MAJOR SUBCONTRACTOR AIRESEARCH MANUFACTURING COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-70-MR	Second Monthly Weight and Balance Report	November 20, 1961
DS-71-R	Second Monthly Progress Report (November 1961)	December 6, 1961
DS-72-R	Third Monthly Weight and Balance Report	December 21, 1961
DS-73-R	Third Monthly Progress Report - 12-61	January 5, 1962
DS-74-R	Dynamic Analysis Data	January 19, 1962
DS-75-R	Preliminary Development Heat Transfer and Pressure Drop Test, Blycol-Water Primary Cooler	February 2, 1962
DS-76-R	Preliminary Development Test, Basic Heat Transfer Data, Cryogenic Heater Equipment Presents Single-Tube, Cryogenic H ₂ Data	January 18, 1962
DS-77-R	Preliminary Development Test, Performance Characteristics of Thermostatic Power Element, Compartment Cooler 178380 and 178390	February 2, 1962
DS-79-R	Estimate of Glycol Flows, Temperatures, and Pressures at Extremes of Heat Load	January 6, 1962
DS-80-R	Technical Proposal, Dyna-Soar Pilot and Equipment Compartment Pressurization Controls Amendment 1 Amendment 2	January 27, 1962
DS-81-R	Monthly Weight and Balance Report - Revised each month	April 11, 1962
DS-82-R	Fourth Monthly Progress Report - 1-62	June 18, 1962

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MAJOR SUBCONTRACTOR AIRRESEARCH MANUFACTURING COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-83-R	Hydrogen Tankage Pressure Controls Proposes dual cryogenic boost pumps, dual recirculation fans, dual hydrogen pressure regulating valves (including flow limiting valves, dual relief valves, check valves)	January 31, 1962
DS-84-R	Preliminary Development Test, Control Characteristics of the Thermostatic Power Element, Glycol Cooler 179140-1	May 14, 1962
DS-86-C1	Density of Aqueous Ethylene Glycol Solutions (Inhibited) per Military Specification MIL-E-5900	February 23, 1962
DS-87-C1	Viscosity of Ethylene Glycol Solutions	February 23, 1962
DS-88-R	Maintenance Analysis	March 3, 1962
DS-89-R	Fifth Monthly Progress Report - 2-62	April 6, 1962
DS-90-R	Sixth Monthly Progress Report - 3-62	March 27, 1962
DS-91-R	Integrated Auxiliary Power and Cooling System - Proposes APU combined with Cooling System	March 30, 1962 Rev. April 11, 1962
DS-92-R	Estimate of Glycol Flows Temperatures and Pressures at Extremes of Heat Load	May 4, 1962
DS-93-R	Development Test, Performance Characteristics of Thermostatic Power Element, Compartment Coolers 178380 and 17839C	May 17, 1962
DS-94-R	Presentation, Integrated Cooling System Technical highlights of proposed APU Cooling System Combination	May 13, 1962
DS-95-R	Seventh Monthly Progress Report - 4-62	June 14, 1962
DS-96-R	Eighth Monthly Progress Report - 5-62	

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-98-R	Development Test, Pressure and Dielectric Test, Motor Stator Housing, Glycol-Water Pump Unit 178410	September 29, 1962
DS-100-R	Qualification Test Description	May 14, 1962
DS-101-R	Development Test, Sampler Temperature Stratification, Pilot and Equipment Compartment Cooler Units 178380 and 178390	May 9, 1962
DS-104-R	Development Test, Cycling, Accumulator X680434, Glycol-Water Pump Unit 178410	June 6, 1962
DS-106-R	Supplement 1 (with smaller diameter spring, modified spring retainers, etc.)	December 21, 1962
DS-107-C1	Ninth Monthly Progress Report - 6-62	July 17, 1962
DS-108-C1	Performance Curves, Fan Motor 207767, Equipment Compartment Cooler	July 17, 1962
DS-109-R	Performance Curves, Fan Motor 107762, Pilot Compartment Cooler	July 17, 1962
DS-110-MR	Analysis Report, Integrated Cooling System Study requested by Boeing Letters 2-4454-4-780 and 2-4454-4-915 Includes change to electronic controls	July 21, 1962
DS-112-R	Description of System Test Setup, Non-Cryogenic Loop	July 23, 1962
DS-113-R	Tenth Monthly Progress Report - 7-1962	August 20, 1962
DS-114-R	Specification for Simulated X-20 Hydrogen Tank Design Statements	August 8, 1962 Rev. August 27, 1962 August 22, 1962 Rev. August 22, 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-115-R	Startup and Shutdown Procedures This was first startup procedure, not the one submitted with the breadboard -8 package (see DS-149-R)	August 22, 1962 Rev. August 22, 1962
DS-116-R	Corrosion Studies of Ethylene Glycol-Water Solutions Inhibited in accordance with 10-20917, Rev. G	August 20, 1962
DS-117-MR	Performance Tests, Primary Glycol Cooler PA 37521	August 21, 1962
DS-118-MR	Testing of the X-20 System, Non-Cryogenic Loop	August 22, 1962
DS-120-MR	Additives for Reducing the Viscosity of Ethylene Glycol Water Solution at Low Temperature	August 28, 1962
DS-121-R	Eleventh Monthly Progress Report - 8-1962.	September 8, 1962
DS-122-R	Development Test, Vibration, Glycol Dual Pump Unit 178410	June 19, 1963
DS-123-R	Development Test, Pressure Cycling, Hydraulic Fluid Cooling Unit 154910	August 8, 1963
DS-124-MR	(Curve) Required Performance Hydraulic Oil Cooler 154910 Fluid Temps and Heat Load vs Percent Elapsed Mission Time	October 31, 1962
DS-125-MR	(Curve) Estimated n ₀ hA for Pilot Compartment Cryogenic Heat Exchangers	September 12, 1962
DS-126-MR	Development Test, Radio Interference, Glycol-Dual Pump 178410	August 8, 1963
DS-127-R	Development Test, Crash Shock Hydraulic Fluid Cooling Unit 154910	March 11, 1963
DS-129-R	Twelfth Monthly Progress Report - 9-1962	October 19, 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-130-MR	Acceptance Test Procedure for the 154910-1-1 Hydraulic Fluid Cooler	October 19, 1962
DS-131-MR	Acceptance Test Procedure for the 178410 Pump Unit, Glycol, Power Driven	October 19, 1962
DS-132-R	Cryogenic Heat Exchanger Dew Point Test 10-20917 Compartment Cooler	October 15, 1962
DS-133-R	Development Test, Crash Shock, Glycol Dual Pump Assembly 178410	March 11, 1963
DS-134-R	Thirteenth Monthly Progress Report - 10-1962	November 12, 1962
DS-135-MR	Reply to Boeing Letter on Seventh and Eighth Monthly Progress Reports	November 15, 1962
DS-136-R	Fourteenth Monthly Progress Report - 11-1962	December 17, 1962
DS-137-R	Development Test, Performance, Glycol Dual Pump 178410	April 11, 1963
DS-138-R	Development Test, Performance, Mixing Manifold	January 25, 1963
DS-139-R	Fifteenth Monthly Progress Report - 12-1962	February 5, 1963
DS-140-MR	Test Report Format	February 15, 1963
DS-141-R	Development Test, Performance, Glycol-to-Hydrogen Heat Exchanger	March 15, 1963
DS-142-R	Development Test, Performance and Response, Primary Recirculation Loop	January 25, 1963

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-143-R	Development Test, Calibration, Hydrogen Flow Control 393422-1	January 25, 1963
DS-144-R	Development Test, Calibration, Glycol Temperature Regulating Valve 154692	January 18, 1963
DS-145-R	Development Test, Calibration, Glycol Temperature Controller	March 8, 1963
DS-146-R	Development Test, Heat Load Transients, Breadboard - 8	February 9, 1963
DS-147-R	Development Test, Flow Transients, Breadboard - 8	March 11, 1963
DS-148-R	Development Test, Flow Stability, Differential Pressure Regulator 393404-1 - 1	March 15, 1963
DS-149-R	Operating Instructions for Breadboard-8	February 5, 1963
DS-150-MR	Engineering Comments on Boeing Source Control Drawing 10-81025 as Applied to AiResearch Pressure Regulator 102498-1-1 and 102542-1-1 and Safety Valves 103300-1-1 and 103302-1-1 for the Dyna-Soar Glider	
DS-151-R	Operating instructions for AiResearch Dual Recirculation Compressor and Check Valve Assembly, Outline No. 178573-1	March 26, 1963
DS-152-R	Operating Instructions for AiResearch Hydrogen Tank Pressurization Fan Assembly Outline No. 207907-1	March 26, 1963
DS-153	Development Test Calibration and Response Rate, Hydraulic Fluic Cooling Unit 154910	July 15, 1963
DS-154-R	Sixteenth Monthly Progress Report - Jan. and Feb. 1963	March 22, 1963
DS-155	Development Test, Performance, Pilot Compartment Cooling Unit Fan Motor 207762	April 29, 1963

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MAJOR SUBCONTRACTOR AIRESEARCH MANUFACTURING COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-156	Qual Test Plan, Pilot and Equipment Compartment Pressurization Controls	March 21, 1963
DS-157	Development Performance Test Glycol to Hydrogen Heat Exchanger PA 54081 (Cooper Glycol Fins) Glycol Temperature and Hydrogen Pressure Control 179140	May 8, 1963
DS-158	Seventeenth Monthly Progress Report - 3-1963	April 16, 1963
DS-159	Development Test Reactance, Glycol Dual Pump Motor Assembly 516770	May 29, 1963
DS-160	First Monthly Weight and Balance Report, Pilot and Equipment Compartment Pressure Control Equipments	May 1, 1963
DS-161	Eighteenth Monthly Progress Report - 4-1963	May 23, 1963
DS-162	Electronic Control Description Glycol Temperature and Hydrogen Pressure Control 179140	November 15, 1963
DS-163	Reserved	
DS-164	Development Test High Density H ₂ Flow Through Bypass Portion of Differential Pressure Regulator 393404	May 29, 1963
DS-165	Specification, Hydrogen Flowmeter Turbine Type	June 13, 1963
DS-166MR	Proposed Vibration Test Plan Glycol Temperature and Hydrogen Pressure Control 179140	June 11, 1963
DS-167	Nineteenth Monthly Progress Report - 5-1963	June 18, 1963
DS-168	Twentieth Monthly Progress Report - 6-1963	July 15, 1963

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MAJOR SUBCONTRACTOR AIRRESEARCH MANUFACTURING COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-169	Development Test Hydraulic Fluid Transient, Hydraulic Fluid Cooling Unit 154910	July 12, 1963
DS-172	Twenty-First Monthly Progress Report (July 1963)	September 4, 1963
DS-173	Development Test Functional and Pressure Drop Pilot Temperature Regulating Valve 154706	October 25, 1963
DS-174	Problem Statement for a Cryogenic Hydrogen Acceleration Test Tank	August 22, 1963
DS-175	Open Loop Characteristics of Glycol Temperature Controller, Glycol Temperature and Hydrogen Pressure Control 179140	October 1, 1963
DS-176	Calibration, Performance, High Temperature, and Vibration Development Tests Hydrogen Flow Control 393422-1	March 26, 1963
DS-177	Seat and Seal High, Low Temperature and Calibration Development Tests Hydrogen Check Valve 393802-1-1	November 27, 1963
DS-201	Development Test Dual Pressurization Fan Check Valve Leakage Glycol Temperature and Hydrogen Pressure Control 179140	November 15, 1963
DS-202	Development Test Cycling and Performance Cryogenic Electric Heating System Equipment Compartment Cooling Unit 178390	November 15, 1963
DS-203	Development Test Pressure Drop Dual Pressurization Heat Exchanger and Check Valve Glycol Temperature and Hydrogen Pressure Control 179140	November 15, 1963
DS-204	Development Test Starting Transient Pressurization Fan Glycol Temperature and Hydrogen Pressure Control 179140	November 15, 1963
DS-205MR	Proposed Acceleration Test Plan Glycol Temperature and Hydrogen Pressure Control 179140	September 4, 1963

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MAJOR SUBCONTRACTOR AIRESEARCH MANUFACTURING COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-206	Twenty-Second Monthly Progress Report - 8-1963	September 18, 1963
DS-207	Development Test Performance Equipment Compartment Glycol Heat Exchanger 178635	January 14, 1964
DS-208	Development Test Vibration Glycol Temperature Regulating Valve 154705-2 Equipment Compartment Cooling Unit	October 17, 1963
DS-210	Development Vibration Test Hydraulic Fluid Cooling Unit	December 30, 1963
DS-211	Development Test Performance and Cycling Fan Overtemperature Switch Compartment Coolers 178380, 178390	October 22, 1963
DS-212	Data Sheets for Pilot Compartment Cooling Unit Qual Test	October 25, 1963
DS-213	Data Sheets for Equipment Compartment Cooling Unit Qual Test	October 25, 1963
DS-214	Data Sheets for Hydraulic Fluid Cooling Unit Qual Test	October 4, 1963 and November 19, 1963
DS-215	Data Sheets for Glycol Dual Pump Unit Qual Test	October 4, 1963 and November 23, 1963
DS-216	Data Sheets for Glycol Temperature and Hydrogen Pressure Control Qual Test	October 31, 1963
DS-218	Twenty-Third Progress Report - 9-1963	October 31, 1963
DS-219	Development Test Performance Pilot Compartment Glycol Heat Exchanger Core 178702	November 1, 1963
DS-220	Development Test Performance Hydraulic Fluid Cooling Unit (7 Baffle)	November 15, 1963

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MAJOR SUBCONTRACTOR AIRESEARCH MANUFACTURING COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-223	Development Test - Performance Motor Assembly as used in Recirculation Compressor 605120 A Component of Glycol Temperature and Hydrogen Pressure Control 179140, Boeing Part 10-20917-8.	January 6, 1964
DS-233	Twenty-Fourth Progress Report - 10-1963	November 13, 1963
DS-234	Development Functional and Pressure Drop Test Glycol Flow Indicator 179122. Used on Pilot Compartment Cooling Unit 178380 and Boeing X-20 Dyna-Soar Part 209173	January 10, 1964
DS-238	Minutes of Preliminary CDR Stress Analysis - 8 Package	December 15, 1963
DS-239	Minutes of Preliminary CDR Electronics Package - 8 Package	December 15, 1963
DS-240	Summary and Results of Preliminary CDR Electronics Circuitry - 8 Package	December 15, 1963
DS-243	Starting Transient Test Equipment Compartment Fan 605100	January 6, 1964
DS-244	Development 500-Hour Endurance Test Recirculation Compressor 605151 Used on Glycol Temperature and Hydrogen Pressure Control Unit 179140	January 24, 1964
DS-245	Twenty-Fifth Monthly Progress Report Hydrogen Cooling Equipments Boeing X-20 (Dyna-Soar) Month of November 1963	December 11, 1963
DS-246	Qualification Inspection and Weight Tests Hydraulic Fluid Cooling Unit 154910-1 Boeing X-20 (Dyna-Soar) Part 20917-4	January 24, 1964
DS-247	Development Life Test Glycol Dual Pump Unit 178410	January 7, 1964
DS-248	Development Pressure and Temperature Glycol Dual Pump Unit 178410	January 13, 1964

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MAJOR SUBCONTRACTOR AIRSEARCH MANUFACTURING COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
DS-249	Development Performance Pilot Cryogenic Heater Blanket Pilot Compartment Cooling Unit 178380	January 24, 1964
DS-250	Development Aerodynamic Performance Pressurization Fan 605090 Dual Pressurization Exchanger and Fan 179500	January 24, 1964
DS-251	Development Performance Test Motor for 605090-1 Pressurization Fan Glycol Temperature and Hydrogen Pressure Control 179140	January 8, 1964
DS-252	Status of Hydrogen Cooling Equipment, X-20 Dyna-Soar, As of the Stop Work Order Date December 15, 1963	January 24, 1964
DS-253	Development Endurance Test, Glycol Temperature Regulating Valve 154575	January 24, 1964
DS-256	Development 500-hour Endurance Test, Pilot Compartment Fan 207763, Pilot Compartment Cooling Unit 178380	January 8, 1964
DS-264	Development Performance Test, Dual Pressurization Heat Exchanger and Fan Assembly, Glycol Temperature and Hydrogen Pressure Control 179140	January 13, 1964
DS-265	Development Performance Test, Glycol Temperature and Hydrogen Pressure Control 179140	January 13, 1964
DS-705-R	Development Test, Loading and Precharge Determination, Accumulator X680434, Glycol-Water Pump Unit 178410	May 1, 1962
DS-707-R	Development Test, Accumulator Pressure, Accumulator X680434 Glycol-Water Pump Unit	May 4, 1962

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BELL AEROSYSTEMS COMPANY DOCUMENTS

(Reaction Control System)

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MAJOR SUBCONTRACTOR HELL AEROSYSTEMS COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
8233-910003	Safety Analysis H ₂ O ₂	November 20, 1963
8233-910004	Safety Analysis Flow Diagram	December 27, 1963
8233-910005	Malfunction Safety Analysis	December 27, 1963
8233-910006	Service Analysis of Glider Installation, Service Procedures and Equipment	December 27, 1963
8233-910007	Safety Analysis of Test Procedures	December 27, 1963
8233-927001	Reliability Plan	October 26, 1962
8233-928001	System Qualification	Rev. December 9, 1963
8233-928002	Section I - Jet Assembly, Acceptance Test	Rev. November 12, 1963
	Section II - Jet Assembly Qualification	Rev. December 6, 1963
8233-928003	Section I - Tank Acceptance Test	Rev. November 22, 1963
	Section II - Tank Qualification	Rev. November 26, 1963
8233-928004	Section I - Accessory Package Acceptance Test	Rev. November 22, 1963
	Section II - Accessory Package Qualification	June 24, 1963
8233-928005	Relief Valve Acceptance Test	July 8, 1963
8233-928006	Regulator Acceptance Test	June 25, 1963

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MAJOR SUBCONTRACTOR BELL AEROSYSTEMS COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
8233-932001-4	Reliability Report	December 27, 1963
8233-933001	Program Status Report No. 1	August 24, 1962
8233-933002	Program Status Report No. 2	September 22, 1962
8233-933003	Program Status Report No. 3	October 26, 1962
8233-933004	Program Status Report No. 4	November 21, 1962
8233-933005	Program Status Report No. 5	December 21, 1962
8233-933006	Program Status Report No. 6	January 25, 1963
8233-933007	Program Status Report No. 7	February 22, 1963
8233-933008	Program Status Report No. 8	March 22, 1963
8233-933009	Program Status Report No. 9	April 21, 1963
8233-933010	Program Status Report No. 10	May 24, 1963
8233-933011	Program Status Report No. 11	June 21, 1963
8233-933012	Program Status Report No. 12	July 21, 1963
8233-933013	Program Status Report No. 13	August 23, 1963
8233-933014	Program Status Report No. 14	September 20, 1963
8233-933015	Program Status Report No. 15	October 25, 1963

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MAJOR SUBCONTRACTOR HELL AEROSYSTEMS COMPANY

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
8233-933016	Program Status Report No. 16	November 22, 1963
8233-933017	Program Status Report No. 17	December 12, 1963
8233-937001	Heat Transfer Analysis	December 21, 1963 Rev. February 26, 1963
8233-927002	Design Development Plan	February 15, 1963

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4.0 ELECTRO-MECHANICAL-RESEARCH, INC. DOCUMENTS
(Test Instrumentation Subsystem)

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G = Ground

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
7660-21	Low-Level PCM Amplifier Design	10 Coctober 1961
7660-22	Inertial Guidance Block Diagram	October 1961
7660-23	Human Factors Program Report	November 1961
7660-24	Meeting Minutes - Review SCD, 9,	
7660-25	Test Plan Revisions	
7660-26	Procurement Spec. - Precision Oscillator - Time Code Generator	
7660-27	Power Requirements Data	
7660-28	Detail Equipment Specifications - Glider Instrumentation Subsystem	
7660-29	PCM Filter Recommendation	
7660-30	Technical Progress Report	
7660-31	Checkout and Maintenance Test Equipment List	
7660-32	Detail Equip. Spec. - Ground Station for Boeing Engineering Lab (Type 91A)	October 1961
7660-33	Technical Progress Report	November 1961
7660-34	Detail Spec. - Ground Station for Boeing (Type 91B)	
7660-35	Detail Spec. - Ground Station for Boeing (Type 91C)	
7660-36	Detail Spec. - Ground Station for Boeing (Type 95)	
7660-37	Status Report, DM-1011	November 1961
7660-38	Procurement Spec. for PCM Digital Decommutor	
7660-39	Technical Progress Report	December 1961
7660-40	Status Report, DM-1011	December 1961

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A = Airborne
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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
7660-41	Technical Progress Report	January 1962
7660-42	PCM/FM Multiplex Simulation Report	January 1962
7660-43	Status Report, DM-1011	February 1962
7660-44	Tape Recorder Test Plan (Functional Evaluation Test Plan)	February 1962
7660-45	Qual. Test Plan - Airborne Equipment (D/S Glider Conversion & Storage Equip. Prototype Qual. Test Plan & Procedure)	
7660-47	Documentation Hierarchy - Engineering Dev. of D/S TIS	
7660-48	Technical Progress Report No. 10	
7660-49	Status Report, DM-1011	
7660-50	Revised Power Requirements Data	
7660-51	Vendor Work Statement (Glider TIS)	
7660-52	Qual. Test Report, A/B	
7660-53	Acceptance Test Procedures, A/B	
7660-54	Preliminary Design Report, A/B	
7660-55	Statement of Work and Spec. for Data Processor Magnetic Tape Units	March 1962
7660-56	Technical Progress Report No. 11	March 1962
7660-57	Status Report, DM-1011	
7660-58	Design Review Minutes - Time Code Generator	
7660-59	RFI Control Plan - Ground Equipment	
7660-60	Power Requirements Data	Rev. May 1962
7660-61	Technical Progress Report No. 12	April 1962

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A = Airborne G = Ground		MAJOR SUBCONTRACTOR		ELECTRO-MECHANICAL RESEARCH, INC.	
DOCUMENT NUMBER	TYPE	DOCUMENT TITLE	RELEASE DATE		
7660-63	A	Design Review Minutes - 20 cps Commutator			
7660-64	G	Qual. Test Plan - Ground			
7660-65	G	Acceptance Test Requirements - Ground, AMR Van			
7660-66	G	Acceptance Test Procedures - Ground, AMR Van			
7660-66.01	G	Abstract for Dyna-Soar Accept. Test Proc., AMR Van	7/26/62		
7660-66.02	G	Introduction for Dyna-Soar Acceptance Test Proc., AMR Van	7/26/62		
7660-66.03	G	Accept. Test Proc. for Timing Subsystem, AMR Van	7/26/62		
7660-66.04	G	Accept. Test Proc. for PCM Subsystem, AMR Van	7/26/62		
7660-66.041	G	Accept. Test Proc. for PCM Subsystem, IO/PCM Sig. Sim.	7/26/62		
7660-66.05	G	Accept. Test Proc. for FM Subsystem, AMR Van	7/26/62		
7660-66.06	G	Accept. Test Proc. for Inertial Guidance (IG) Decommulator Equip. Subsystem, AMR Van	7/26/62		
7660-66.071	G	Accept. Test Proc. for Recording Subsystem, Ampex Tape Recorder/Reproducer, AMR Van	7/26/62		
7660-66.072	G	Accept. Test Proc. for Recording Subsystem, CEC Oscillograph, AMR Van	7/26/62		
7660-66.08	G	Accept. Test Proc. for Intercom. Subsystem, AMR Van	7/26/62		
766-66.09	G	Accept. Test Proc. for D/S System Ground Data Recovery Elements, AMR Van	7/26/62		
7660-67	G	Drawing Index for D/S Acceptance Test Reports, Ground AMR Van	7/26/62		
7660-67.01	G	Abstract for D/S Acceptance Test Reports, AMR Van	7/26/62		
7660-67.02	G	Introduction for D/S Accept. Test Reports, AMR Van	7/26/62		
7660-67.03	G	Accept. Test Report for Timing Subsystem, AMR Van	7/26/63		

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE	
A = Airborne			
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7660-67.04	Accept. Test Report for PCM Subsystem, AMR Van	7/26/62	
7660-67.041	Accept. Test Report for PCM Subsystem, IO/PCM Sig. Sim., AMR Van	7/26/62	
7660-67.05	Accept. Test Report for FM Subsystem, AMR Van	7/26/62	
7660-67.051	Accept. Test Report for FM Subsystem, AMR Van, FM Calibrator	6/25/63	
7660-67.06	Accept. Test Report for Inertial Guidance (IG) Decommutator Equip. Subsystem, AMR Van	7/26/62)	
7660-67.071	Accept. Test Report for Recording Subsystem, Ampex Tape Recorder/Reproducer, AMR Van	7/26/62	
7660-67.072	Accept. Test Report for Recording Subsystem, CDC Oscillograph, AMR Van	7/26/63	
7600-67.08	Accept. Test Report for Intercom. Subsystem, AMR Van	7/26/62	
7660-67.09	Accept. Test Report for D/S System Ground Data Recovery Elements, AMR Van	7/26/62	
7660-68	D/S Acceptance Test Requirement, SIL	8/10/62	
7660-69	Drawing Index for D/S Accept. Test Procedures, Ground, SIL	8/10/62	
7660-69.01	Abstract for D/S Accept. Test Proc., SIL	8/10/62	
7660-69.02	Introduction for D/S Accept. Test Proc. SIL	8/10/62	
7660-69.03	Accept. Test Proc. for Timing Subsystem, SIL	8/10/62	
7660-69.04	Accept. Test Proc. for PCM Subsystem, SIL	8/10/62	
7660-69.041	Accept. Test Proc. for PCM Subsystem, IO/PCM Sig. Sim., SIL	8/10/62	
7660-69.05	Accept. Test Proc. for FM Subsystem, SIL	8/10/62	

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DOCUMENT NUMBER	DOCUMENT TITLE	
A = Airborne		
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7660-69.051	X-20 Accept. Test Proc. for FM Subsystem, SIL, FM Calibrator	6/25/63
7660-69.06	Accept. Test Proc. for Inertial Guidance (IG) Decommulator Equipment Subsystem, SIL	8/10/62
7660-69.061	X-20 Accept. Test Proc. for IG Decon. Subsystem, SIL, IG Sig. Simulator	6/25/63
7660-69.071	Accept. Test Proc. for Recording Subsystem, Ampex Tape Recorder/Reproducer, SIL	8/10/62
7660-69.072	Accept. Test Proc. for Recording Subsystem, CBC Oscillograph, SIL	8/10/62
7660-69.08	Accept. Test Proc. for Intercom. Subsystem, SIL	8/10/62
7660-69.091	Accept. Test Proc. for PCM Data Processor Subsystem, SIL	8/10/62
7660-69.092	Accept. Test Proc. for IG Data Processor Subsystem, SIL	8/10/62
7660-69.10	Accept. Test Proc. for D/S System Ground Data Recovery Elements, SIL	8/10/62
7660-69.11	X-20 Accept. Test Proc. for Calibration Tape Prep. Subsystem, SIL	6/25/63
7660-70	Drawing Index for D/S Accept. Test Reports, Ground, SIL	
7660-70.01	Abstract for D/S Accept. Test Reports, SIL	8/13/62
7660-70.02	Introduction for D/S Accept. Test Reports, SIL	8/13/62
7660-70.03	Accept. Test Reports for Timing Subsystem, SIL	8/13/62
7660-70.04	Accept. Test Reports for PCM Subsystem, SIL	8/13/62
7660-70.041	Accept. Test Reports for PCM Subsystem, IG/PCM Sig. Sim	8/13/62
7660-70.05	Accept. Test Reports for FM Subsystem, SIL	8/13/62
7660-70.051	X-20 Accept. Test Report for FM Subsystem, SIL, FM Calibrator	6/25/63
766-70.06	Accept. Test Reports for Inertial Guidance (IG) Decommulator Equipment Subsystem, SIL	8/13/62

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MAJOR SUBCONTRACTOR <u>ELECTRO-MECHANICAL RESEARCH, INC.</u>		DOCUMENT TITLE	RELEASE DATE
DOCUMENT NUMBER	TYPE		
A = Airborne			
G = Ground			
7660-70.061	G	X-20 Accept. Test Report for IG Decom. Subsystem SIL, IG Sig. Sim	6/25/63
7660-70.071	G	Accept. Test Reports for Recording Subsystem, Ampex Tape Recorder/Reproducer, SIL	8/13/62
7660-70.072	G	Accept. Test Reports for Recording Subsystem, CEC Oscillograph, SIL	8/13/62
7660-70.08	G	Accept. Test Reports for Intercom. Subsystem, SIL	8/13/62
7660-70.09	G	Accept. Test Reports for PCM Data Processor Subsystem, SIL	8/13/62
7660-70.10	G	Accept. Test Reports for IG Data Processor Subsystem, SIL	8/13/62
7660-70.11	G	X-20 Accept. Test Report for Calibrated Tape Preparation Subsystem, SIL	6/25/63
7660-70.12	G	Accept. Test Reports for D/S System Ground Data Recovery Elements, SIL	8/13/62
7660-71	G	Preliminary Design Review - FM Calibrator	
7660-72	A	Preliminary Design Review, PCM, FM/Mixer Power Supply	
7660-73	A	Preliminary Design Review - FM Conversion/Mixer Sets	
7660-74	A	Preliminary Design Review System Orientation	
7660-75	A	Operating Proc. for Test Set - A/B Data Tape Recording System	
7660-76	AM	Technical Progress Report No. 13	
7660-77	A	Time Code Generator Component Test Set	May 1962
7660-78	G	Maintenance Program Plan for Ground Data Recovery Elements	
7660-79	G	Coordination Meeting Minutes - PCM & IG Format Converter	10/7/62
7660-80	G	Critical Design Review Minutes - FM Translator Model 56-7660A	
7660-81	G	CDR - FM Calibrator	

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MAJOR SUBCONTRACTOR		ELECTRO-MECHANICAL RESEARCH, INC.	
DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE	
7660-82	Preliminary Design Review - A/B Tape Recorder	June 1962	
7660-83	Module Level CIR Requirements		
7660-84	Technical Progress Report No. 14	7/25/62	
7660-85	Module/Component Identification Marking Spec.		
7660-86	Preliminary Design Review - PCM Programmer (minutes)	6/25/63	
7660-87	Preliminary Design Review of High-Level Commutator (Minutes)		
7660-88	Preliminary Design Review - ADC (Minutes)		
7660-89	Proc. Spec. for Trailers, DS/TIS (AMR & AFFTC)		
7660-90	Test Planning for D/S TIS (Minutes)		
7660-91	Acceptance Test Requirements - Ground - AFFTC Perm. Base		
7660-92	Acceptance Test Procedures - Ground - Edwards Lab.		
7660-92.01	Abstract for Accept. Test Procedure, AFFTC Perm. Base		
7660-92.02	Introduction for X-20 Accept. Test Proc. AFFTC Perm. Base		
7660-92.03	X-20 Accept. Test Proc. for Recording Subsystem, AFFTC Perm. Base		
7660-92.04	X-20 Accept. Test Proc. for IG Decommulator Subsystem, AFFTC Perm. Base		
7660-92.041	X-20 Accept. Test Proc. for IG Decommulator Subsystem IG SIG. Sim. AFFTC Perm. Base		
7660-92.05	X-20 Accept. Test Proc. for IG Format Converter Subsystem AFFTC Perm. Base		
7660-92.06	X-20 Accept. Test Proc. for FM Subsystem AFFTC Perm. Base		
7660-92.061	X-20 Accept. Test Proc. for FM Subsystem, FM Calibrator, AFFTC Perm. Base		

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE	
A = Airborne G = Ground			
<u>TYPE</u>			
7660-92.07	X-20 Accept. Test Proc. for System Ground Data Recovery Elements, AFFTC Perm. Base	6/25/63	
7660-93	Acceptance Test Reports - Ground - Edward in Lab.	6/25/63	
7660-93.01	Abstract for X-20 Accept. Test Reports AFFTC Perm. Base	6/25/63	
7660-93.02	Introduction for X-20 Accept. Test Reports, AFFTC Perm Base	6/25/63	
7660-93.03	X-20 Accept. Test Report for Recording Subsystem, AFFTC Perm. Base	6/25/63	
7660-93.04	X-20 Accept. Test Report for IG Decommulator Subsystem, AFFTC Perm. Base	6/25/63	
7660-93.041	X-20 Accept. Test Procedure for IG Decommulator Subsystem, IG Sig. Sim., AFFTC Perm. Base	6/25/63	
7660-93.05	X-20 Accept. Test Report for IG Format Converter Subsystem, AFFTC Perm. Base	6/25/63	
7660-93.06	X-20 Accept. Test Report for FM Subsystem, AFFTC Perm. Base	6/25/63	
7660-93.061	X-20 Accept. Test Report for FM Subsystem, FM Calibrator, AFFTC Perm. Base	6/25/63	
7660-93.07	X-20 Accept. Test Reports for System Ground Data Recovery Elements, AFFTC Perm. Base	6/25/63	
7660-94	Accept. Test Requirements - Ground - AFFTC Van		
7660-95	Accept. Test Procedures - Ground - Edwards Van		
7660-95.01	Abstract for X-20 Accept. Test Proc. - AFFTC Van	6/25/63	
7660-95.02	Introduction for X-20 Accept. Test Procedures, - AFFTC Van	6/25/63	
7660-95.03	X-20 Accept. Test Proc. for Timing Subsystem, AFFTC Van	6/25/63	
7660-95.04	X-20 Accept. Test Proc. for PCM Subsystem, AFFTC Van	6/25/63	

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE	
A = Airborne G = Ground			
7660-95.041	X-20 Accept. Test Proc. for PCM Subsys tem, IQ/PCM Sig. Sim., AFFTC Van	6/25/63	
7660-95.05	X-20 Accept. Test Proc. for FM Subsystem, AFFTC Van	6/25/63	
7660-95.051	X-20 Accept. Test Proc. for FM Subsystem, FM Calibrator AFFTC Van	6/25/63	
7660-95.06	X-20 Accept. Test Proc. For Inertial Guidance (IG) Decommunator Equipment Subsystem AFFTC Van	6/25/63	
7660-95.071	X-20 Accept. Test Proc. for Recording Subsystem, Part I, AFFTC Van	6/25/63	
7660-95.08	X-20 Accept. Test Proc. for Interroom. Subsystem, AFFTC Van	6/25/63	
7660-95.09	X-20 Accept. Test Proc. for System Ground Data Recovery Elements, AFFTC Van	6/25/63	
7660-96	Accept. Test Reports - Ground - Edwards Van		
7660-96.01	Abstract for X-20 Accept. Test Reports, AFFTC Van	6/25/63	
7660-96.02	Introduction for X-20 Accept. Test Reports, AFFTC Van	6/25/63	
7660-96.03	X-20 Accept. Test Report for Timing Subsystem, AFFTC Van	6/25/63	
7660-96.04	X-20 Accept. Test Report for PCM Subsystem, AFFTC Van	6/25/63	
7660-96.041	X-20 Accept. Test Report for PCM Subsystem, IQ/PCM Signal Simulator, AFFTC Van	6/25/63	
7660-96.05	X-20 Accept. Test Report for FM Subsystem, AFFTC Van	6/25/63	
7660-96.051	X-20 Accept. Test Report for FM Subsystem, FM Calibrator, AFFTC Van	6/25/63	
7660-96.06	X-20 Accept. Test Report for Inertial Guidance (IG) Decommunator Equipment Subsystem, AFFTC Van	6/25/63	

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE	
7660-96.071	X-20 Accept. Test Report for Recording Subsystem, Part I, AFTTC Van	6/25/63	
7660-96.072	X-20 Accept. Test Report for Recording Subsystem, Part II, AFTTC Van	6/25/63	
7660-96.08	X-20 Accept. Test Report for Intercom. Subsystem, AFTTC Van	6/25/63	
7660-96.09	X-20 Accept. Test Report for System Ground Data Recovery Elements, AFTTC Van	6/25/63	
7660-97	Accept. Test Requirements, Ground, AMR Boeing FTCC		
7660-98	Accept. Test Procedures - Ground, AMR Boeing FTCC		
7660-98.01	Abstract for X-20 Accept. Test Procedures, AMR Boeing FTCC	6/25/63	
7660-98.02	Introduction for X-20 Accept. Test Proc. AMR Boeing FTCC	6/25/63	
7660-98.03	X-20 Accept. Test Proc. for Timing Subsystem, AMR Boeing FTCC	6/25/63	
7660-98.04	X-20 Accept. Test Proc. for PCM Subsystem, AMR Boeing FTCC	6/25/63	
7660-98.041	X-20 Accept. Test Proc. for PCM Subsystem, PCM Sig. Simulator, AMR Boeing FTCC	6/25/63	
7660-98.05	X-20 Accept. Test Proc. for FM Subsystem AMR Boeing FTCC	6/25/63	
7660-98.051	X-20 Accept. Test Proc. for FM Subsystem, FM Calibrator AMR Boeing FTCC	6/25/63	
7660-98.06	X-20 Accept. Test Proc. for IG Decommulator Subsystem, AMR Boeing FTCC	6/25/63	
7660-98.061	X-20 Accept. Test Proc. for IG Decommulator Subsystem, IG Sig. Sim., AMR Boeing FTCC	6/25/63	
7660-98.07	X-20 Accept. Test Proc. for Recording Subsystem, Part I AMR Boeing FTCC	6/25/63	

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G = Ground

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
7660-98.08	X-20 Accept Test Proc. for Recording Subsystem, Part II AMR Boeing FTCC	6/25/63
7660-98.10	X-20 Accept. Test Proc. for System Ground Data Recovery Elements, AMR Boeing FTCC	6/25/63
7660-99	Acceptance Test Reports - Ground, AMR Boeing FTCC	6/25/63
7660-99.01	Abstract for X-20 Accept. Test Reports, AMR Boeing FTCC	6/25/63
7660-99.02	Introduction for X-20 Accept. Test Reports, AMR Boeing FTCC	6/25/63
7600-99.03	X-20 Accept. Test Reports for Timing Subsystem, AMR Boeing FTCC	6/25/63
7660-99.04	X-20 Accept. Test Report for PCM Subsystem, AMR Boeing FTCC	6/25/63
7660-99.041	X-20 Accept. Test Report for PCM Subsystem, PCM Sig. Sim. AMR Boeing FTCC	6/25/63
7660-99.05	X-20 Accept. Test Report for FM Subsystem, AMR Boeing FTCC	6/25/63
7660-99.051	X-20 Accept. Test Report for FM Subsystem, FM Calibrator, AMR Boeing FTCC	6/25/63
7660-99.06	X-20 Accept. Test Report for IG Decommulator Subsystem, AMR Boeing FTCC	6/25/63
7660-99.061	X-20 Accept. Test Report for IG Decommulator Subsystem IG Signal Sim. AMR Boeing FTCC	6/25/63
7660-99.07	X-20 Accept. Test Report for Recorder Part I, AMR Boeing FTCC	6/25/63
7660-99.08	X-20 Accept. Test Report for Recording Subsystem, Part II, AMR Boeing FTCC	6/25/63
7660-99.09	X-20 Accept. Test Report for Recording Subsystem, Part III, AMR Boeing FTCC	6/25/63

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE	
7660-99.10	X-20 Accept. Test Report for System Ground Data Recovery Elements, AMR Boeing FTCC	6/25/63	
7660-100	Acceptance Test Requirements - Ground AMR Tel. Rec. Bld.	7/5/63	
7660-101	Acceptance Test Procedures - Ground, AMR Site No. 1	7/5/63	
7660-101.01	Abstract for X-20 Accept. Test Proc., AMR T/M Revr. Bld.	7/5/63	
7660-101.02	Introduction for X-20 Accept. Test Proc., AMR T/M Revr. Bld.	7/5/63	
7660-101.03	X-20 Accept. Test Proc. for Timing Subsystem, AMR T/M Revr. Bld.	7/5/63	
7660-101.04	X-20 Accept. Test Proc. for PCM Subsystem, AMR T/M Revr. Bld.	7/5/63	
7660-101.041	X-20 Accept. Test Proc. for PCM Subsystem, PCM Sig. Sim. AMR T/M Revr. Bld.	7/5/63	
7660-101.05	X-20 Accept. Test Proc. for FM Subsystem, AMR T/M Revr. Bld.	7/5/63	
7660-101.051	X-20 Accept. Test Proc. for FM Subsystem, FM Calibrator, AMR T/M Revr. Bld.	7/5/63	
7660-101.06	X-20 Accept. Test Proc. for IG Decomm. Subsystem, AMR T/M Revr. Bld.	7/5/63	
7660-101.061	X-20 Accept. Test Proc. for IG Decomm. Subsystem, IG Sig. Sim., AMR T/M Revr. Bld.	7/5/63	
7660-101.07	X-20 Accept. Test Proc. for Recording Subsystem, Part I AMR T/M Revr. Bld.	7/5/63	
7660-101.08	X-20 Accept. Test Proc. for Recording Subsystem, Part II AMR T/M Revr. Bld.	7/5/63	
7660-101.09	X-20 Accept. Test Proc. for Recording Subsystem, Part III AMR T/M Revr. Bld.	7/5/63	
7660-101.10	X-20 Accept. Test Proc. for System Ground Data Recovery Elements, AMR T/M Revr. Bld.	7/5/63	

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE	
	<u>TYPE</u>		
7660-102	0	7/5/63	Acceptance Test Reports, Ground, AMR Site No. 1
7660-102.01	0	7/5/63	Abstract for X-20 Accept. Test Proc., AMR T/M Rvr. Bld.
7660-102.02	0	7/5/63	Introduction for X-20 Accept. Test Proc., AMR T/M Rvr. Bld.
7660-102.03	0	7/5/63	X-20 Accept. Test Proc. for Timing Subsystem, AMR TM Rvr. Bld.
7660-102.04	0	7/5/63	X-20 Accept. Test Proc. for PCM Subsystem, AMR T/M Rvr. Bld.
7660-102.041	0	7/5/63	X-20 Accept. Test Proc. for PCM Subsystem, PCM Sig. Sim., AMR T/M Rvr. Bld.
7660-102.05	0	7/5/63	X-20 Accept. Test Proc. for FM Subsystem, AMR T/M Rvr. Bld.
7660-102.051	0	7/5/63	X-20 Accept. Test Proc. for FM Subsystem, FM Calibrator, AMR T/M Rvr. Bld.
7660-102.06	0	7/5/63	X-20 Accept. Test Proc. for IG Decomm. Subsystem, AMR T/M Rvr. Bld.
7660-102.061	0	7/5/63	X-20 Accept. Test Proc. for IG Decomm. Subsystem, IG Sig. Sim., AMR T/M Rvr. Bld.
7660-102.07	0	7/5/63	X-20 Accept. Test Proc. for Recording Subsystem, Part I, AMR T/M Rvr. Bld.
7660-102.08	0	7/5/63	X-20 Accept. Test Proc. for Recording Subsystem, Part II, AMR T/M Rvr. Bld.
7660-102.09	0	7/5/63	X-20 Accept. Test Proc. for Recording Subsystem, Part III, AMR T/M Rvr. Bld.
7660-102.10	0	7/5/63	X-20 Accept. Test Proc. for System Ground Data Recovery Elements, AMR T/M Rvr. Bld.
7660-103	0		In-House Procurement Spec. for Certain D/S Ground Data Recovery Elements
7660-104	0		Detailed Equipment Spec. for D/S Ground Data Recovery Elements

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A - Airborne G - Ground		MAJOR SUBCONTRACTOR <u>ELECTRO-MECHANICAL RESEARCH, INC.</u>	
DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE	
7660-105	Final Technical Report - Model 81-7660A Translators, Project 4311-3210		
7660-106	Final Technical Report - Model 81-7660G Subcarrier Oscillator, Project 4311-3410		
7660-107	Final Technical Report - Model 81-7660H Subcarrier Oscillator, Project 4311-3410		
7660-108	EMR Format for D/S Acceptance Test Procedures	July 1962	
7660-109	Process Specification for Tin-plating Magnesium-based Alloys		
7660-110	Technical Progress Report No. 15		
7660-111	EMR Format for D/S Acceptance Test Reports		
7660-112	EMR Format for D/S Acceptance Test Requirements		
7660-113	Revised Power Requirements Data		
7660-114	Preliminary Design Review - A/B Data Tape Recorder/Reproducer	27 August 1962	
7660-115	Technical Progress Report No. 16	9/6/62	
7660-116	Design Review Data Requirements, Ground (Meeting Minutes)	August 1962	
7660-117	Preliminary Design Review - IG Format Converter (Ground)	10/2/62	
7660-118	Preliminary Design, Revision "C" - FM/Mixer Conversion Set	10/2/62	
7660-119	Pre-Detection Recorder/Reproducer	10/3/62	
7660-120	Design Procurement Spec. - FM Ground Station		
7660-122	Preliminary Design Review, Packaging Techniques		
7660-123	Preliminary/Critical Design Review - Line & Mixer Amplifier Ground Station		

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
A = Airborne G = Ground		
<u>TYPE</u>		
7660-124 G	Preliminary Design Review - PCM Sig. Conditioner Ground	10/8/62
7660-125 G	Preliminary Design Review - IG Decommulator - Ground Station	10/8/62
7660-126 AG	Technical Progress Report No. 17	September 1962
7660-127 AG	Technical Progress Report No. 18	October 1962
7660-128 AG	Revised Power Requirements Data	December 3, 1962
7660-129 AG	Technical Progress Report No. 19	November 1962
7660-130 A	Critical Design Review Data, FM Conversion Set, Models G, H, K & A	12/26/62
7660-132 G	Specification for D/S Digital Displays	
7660-133 G	Design Procurement Spec. - Digital Printer (30 Channels) (Clary)	
7660-134 G	Design Procurement Spec., Bar Graph Displays (20 Channels)	
7660-135 G	Design Procurement Spec. - Bar Graph Displays (200 Channels)	
7660-136 G	Design Procurement Spec. for Multi-Stylus Recorder	
7660-137	NOT YET ASSIGNED	
7660-138 G	Design Procurement Spec. - Extra Digital and Analog Outputs	12/27/62
7660-139 G	Design Procurement Spec. - Extra Digital and Analog Outputs	12/27/62
7660-140 G	Critical Design Review Data, Inatr. Trailer	12/27/62
7660-141 G	Critical Design Review Data, PCM Sig. Conditioner	December 1962
7660-142 A	CIR Data, ITCG (Less Components #6 & #14)	12/27/62
7660-143 AG	Technical Progress Report No. 20	12/27/62
7660-144 G	FDR/CIR on Input Patch Panel (56-7660M)	12/27/62
7660-145 G	FDR/CIR on A/E Tape Recorder Remote Control Panel	12/27/62

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE	
7660-146	PDR/CDR Scale Factor Panel - 56-7660B	12/27/62	
7660-147	PDR/CDR IG Switch Module 56-7660R	12/27/62	
7660-148	PDR/CDR Time Interval Panel 56-7660G	12/27/62	
7660-149	PDR/CDR Time Dist. Panel 56-7660N	12/27/62	
7660-150	PDR/CDR Time Modulator Panel 56-7660H	12/27/62	
7660-151	D/S TCG Specification		
7660-152	D/S Time Decoder Spec.		
7660-153	PDR/CDR Elapsed Time Meter Panel, 56-7660P	12/27/62	
7660-154	PDR/CDR Output Patch Panel, 56-7660-L	12/27/62	
7660-155	CDR on Part of Dual Mixer Amplifier, 81-7660R		
7660-156	CDR on Pre-Emphasis Matrix		
7660-157	Strip Chart Recorder - D/S Spec.		
7660-158	CDR on Relay Module		
7660-159	CDR on Isolation Amplifier		
7660-160	D/S Console Display Elements Spec.		
7660-161	Specs. for D/S Display Console for AMR, AFFTC Landing Sites		
7660-162	Specs. for D/S Display Console for AMR, AFFTC Landing Sites		
7660-163	Specs. for D/S Display Console for AMR, AFFTC Landing Sites		
7660-164	Power Requirement Data	2/1/63	
7660-165	Technical Progress Report No. 21	January 1963	
7660-166	CDR on PCM Power Supply, Model No. 81-7660V	2/12/63	

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DOCUMENT NUMBER	TYPE		
7660-167	A	CDR on Voltage Controlled Oscillator, Model No. 81-7660E	2/12/63
7660-168	A	CDR on Voltage Controlled Oscillator, Model No. 81-7660F	2/22/63
7660-169	A	CDR on FM/Mixer Power Supply, Model No. 81-7660AA	2/12/63
7660-170	G	CDR on IG Format Converter	2/15/63
7660-171	G	D/S, TMR Standard Test Equipment	
7660-172	G	A) Precision Telemeter Oscillator, B) Pulse Counter, C) Vacuum Tube Voltmeter, D) Digital Voltmeter, E) Pulse Generator, F) Square Wave Generator	
7660-173	G	Special Test Equipment	3/12/63
7660-174	G	CDR on PCM Format Converter	February 1963
7660-175	AG	Technical Progress Report No. 22	3/26/63
7660-176	G	CDR on IG Decomm., X-20 Ground System	3/26/63
7660-177	A	CDR of Article 10-81003-3 (FM Conversion Set) X-20 TIS	3/26/63
7660-178	G	CDR on SIL Ground Station and its Associated Equipment	3/26/63
7660-179	G	PDR of the AFFTC PERL	3/26/63
7660-180	AG	Technical Progress Report No. 23	March 1963
7660-183	G	Conditioning Sets for Real-Time Data Transmission & Display	
7660-184	G	Conditioning Sets for Real-Time Data Transmission & Display	
7660-185	G	Computer Input Preparation Equipment	
7660-186	AG	Power Requirements Data	4/26/63
7660-187	A	CDR on PCM Conversion Set	5/6/63
7660-188	AG	Technical Progress Report No. 24	April 1963

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE	
7660-189	Technical Progress Report No. 25	May 1963	
7660-190	Racks & Interconnections for all Stations		
7660-191	X-20 Accept. Test Repts. AMR Block-House	6/25/63	
7660-192	X-20 Accept. Test Proc. AMR Block-House	6/25/63	
7660-192.01	Abstract for X-20 Accept. Test Proc. AMR Block-House	6/25/63	
7660-192.02	Introduction for X-20 Accept. Test Proc. AMR Block-House	6/25/63	
7660-192.03	X-20 Accept. Test Proc. for A/B Tape Remote Control Module, AMR Block-House	6/25/63	
7660-192.04	X-20 Accept. Test Proc. for A/B TCG Remote Control Module, AMR Block-House	6/25/63	
7660-193	X-20 Accept. Test Reports, AMR Block-House		
7660-193.01	Abstract for X-20 Accept. Test Report, AMR Block-House	6/25/63	
7660-193.02	Introduction for X-20 Accept. Test Reports, AMR Block-House	6/25/63	
7660-193.03	X-20 Accept. Test Report for A/B Tape Remote Control Module, AMR Block-House	6/25/63	
7660-193.04	X-20 Accept. Test Report for A/B TCG Remote Control Module, AMR Block-House	6/25/63	
7660-194	Technical Progress Report No. 27	June 1963	
7660-195	Revised Power Requirements Data, August '63, X-20 TIE	August 1963	
7660-196	X-20 Interim Engineering Report, FM Conversion & Mixer Sets	August 1963	
7660-197	Technical Progress Report No. 27	July 1963	
7660-198	Results of Meetings, TIC & EMI, TEC appvl. of Proc. Spec. 900E56 & Proc. Stds. 901022 & 901023 (mtg.mins)		

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A = Airborne G = Ground		MAJOR SUBCONTRACTOR <u>ELECTRO-MECHANICAL RESEARCH, INC.</u>	
DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE	
7660-199	Results of Meeting, TBC & EMR (8/28/63) Resol. of A/B Equip. Conf. & Log Items 342 and 393	January 1964	
7660-200	Operation & Maintenance Manual	January 1964	
7660-201	Vol. I - System Ground Data Recovery Elements, SIL-Seattle	January 1964	
7660-202	Operation & Maintenance Manual	January 1964	
7660-203	Vol. II, Timing Subsystem, SIL	9/20/63	
7660-204	Operation & Maintenance Manual	January 1964	
7660-205	Vol. III, PCM Subsystem, SIL	January 1964	
7660-206	Operation & Maintenance Manual	January 1964	
7660-207	Vol. IV, FM Subsystem - SIL	8/20/63	
7660-208	Operation & Maintenance Manual	January 1964	
7660-209	Vol. V, IG Decommator Subsystem - SIL	8/20/63	
7660-210	Operation & Maintenance Manual	8/20/63	
7660-211	Vol. VI, Recording Subsystem, Part I & II - SIL	January 1964	
	Operation & Maintenance Manual	January 1964	
	Vol. VII, PCM Data Processor Subsystem - SIL	January 1964	
	Operation & Maintenance Manual	January 1964	
	Vol. VIII, IG Data Processor Subsystem - SIL	January 1964	
	Operation & Maintenance Manual	January 1964	
	Vol. IX, Calibrated Tape Preparation Subsystem, SIL	January 1964	
	Operation & Maintenance Manual	January 1964	
	Vol. X, Interface Equipment & Intercommunications Subsystem - SIL	January 1964	
	Operation & Maintenance Manual	January 1964	
	Vol. XI, Standard Test Equip. SIL	January 1964	
	X-20 Test Documentation Control Procedure	8/20/63	

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MAJOR SUBCONTRACTOR ELECTRO-MECHANICAL RESEARCH, INC.

A = Airborne
G = Ground

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
7660-212	Technical Progress Report No. 28	August 1963
7660-213	Technical Progress Report No. 29	September 1963
7660-214	Revised Power Requirements Data, August 1963, X-20 TIS	November 1963
7660-215	Minutes of Meeting, TEC & EMR, PDR/CDR Mins. of A/B Tape Recorder Remote Cont. Mod.	October 1963
7660-216	Technical Progress Report No. 30	11/15/63
7660-217	CDR Minutes, AFFTC Permanent Base Lab - X-20 Ground	12/2/63
7660-218	PDR Mins., AFMTC, HFIC	
R & Q-005	Reliability Program Plan	

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5.0 LING-TEMCO-VOUGHT DOCUMENTS
(Nose Cap Assembly)

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MAJOR SUBCONTRACTOR

LING-TENCO-VOUGHT

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
AST/311.3	Mechanical Properties Testing for Design Allowables and Material Data	Rev. February 14, 1963
AST/311.4	Standard Test Procedures for Mechanical Properties Tests	November 6, 1961
AST/311.5	Thermal Analysis of the No. 2B Structural Demonstrator	November 6, 1961
AST/EIR-12884	Weight and Balance Report - Dyna-Soar Nose Cap Development	February 23, 1961
AST/EIR-12885	Design Criteria Report	March 3, 1961
AST/EIR-12887	Dyna-Soar Nose Cap Assembly Reliability Program	Rev. September 8, 1961
AST/EIR-12889	Interim Technical Report Mechanical Properties Test Data	April 15, 1961
AST/EIR-12890	Interim Technical Report on Physical Properties Tests - Dyna-Soar Nose Cap Materials	April 18, 1961
AST/EIR-12891	Test Plan - Propane Torch Assembly Calibration	April 10, 1961
AST/EIR-13416	Structural Concept Test Plan	April 3, 1961
AST/EIR-13417	Procurement Plan for Graphite for the Dyna-Soar I Nose Cap Structure	April 13, 1961
AST/EIR-13418	Chemical Compatibility of Nose Cap Materials	April 17, 1961
AST/EIR-13419	Energy Management Analysis of Dyna-Soar Guidance During Unpowered Flight	April 24, 1961
AST/EIR-13421	Instrumentation Development Test Plan	Rev. September 8, 1961

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MAJOR SUBCONTRACTOR LING-TENCO-YOCHET

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
AST/EIR-13422	Dyna-Soar Nose Cap Graphite Development Test Plans	Rev. January 29, 1962
AST/EIR-13423	Pressure Port Failure Evaluation - Test Plan	Rev. October 9, 1961
AST/EIR-13424	Instrumentation - Technical Report of Analytical Studies for Pressure Transmitting System	May 20, 1961
AST/EIR-13427	Aerodynamic Heating and Air Loads for the Dyna-Soar Nose Cap	Rev. October 25, 1961
AST/EIR-13428	Instrumentation Plan to Obtain Data for Procurement Specifications	Rev. September 8, 1961
AST/EIR-13429	Specification for Dyna-Soar Nose Cap Instrumentation Systems	Rev. November 9, 1961
AST/EIR-13430	Preliminary Test Report Cylindrical Component 21-D3	July 18, 1961
AST/EIR-13431	Structural Reliability of Components Using Brittle Materials - Strength Analysis	Rev. December 31, 1963
AST/EIR-13432	Criteria for Ground Testing and Evaluating the Test Results of the Dyna-Soar Full-Scale Developmental Nose Caps	July 21, 1961
AST/EIR-13433	Temperature Analysis of Dyna-Soar Nose Cap	June 24, 1961
AST/EIR-13434	Zirconia Development Test Plan	July 25, 1961
AST/EIR-13435	Heat Shield, Retainer Ring, Support Lugs and Attachments Development Plan	September 1, 1961
AST/EIR-13438	Temperature Results of Three Structural Demonstrator Models	September 1, 1961

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MAJOR SUBCONTRACTOR LING-TIEMCO-VOUGHT

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
AST/EIR-13439	Statement of Work Vendor Subcontract Tasks Dyna-Soar Nose Cap Instrumentation	Rev. November 9, 1961
AST/EIR-13440	Reliability Failure Analysis Report for Dyna-Soar Nose Cap No. 2A Test Specimen	September 6, 1961
AST/EIR-13442	Development Environmental Test Plan	September 13, 1961
AST/EOR-12859	Structural Component Development Test Plan	August 25, 1960
AST/EOR-12860	Dyna-Soar HETS Nose Cone - Design Criteria Report	September 19, 1960
AST/EOR-12863	Structural Design Data and Materials Allowables Test Plan	September 19, 1960
AST/EOR-12864	Physical Properties Test Plan - HETS Nose Cone	Rev. October 27, 1961
AST/EOR-12866	Chemical Compatibility Test Plan	Rev. January 29, 1962
AST/EOR-12873	Weight and Balance Report No. 1	December 9, 1960
AST/EOR-12874	Test Plan Dyna-Soar Nose Cap Plasma Arc Jet Structural Specimens	Rev. September 6, 1961
AST/EOR-12876	Failure Analysis Report of A-1 Nose Cap Assembly	November 9, 1960
AST/EOR-12878	Analysis of Heat Transfer Measurement of a Mach 8 Dyna-Soar Nose Cap	January 23, 1961
KIR-12882	Photographic Plan	May 1, 1961
EOR-12865	Zirconia Insert Development Test Plan - HETS Nose Cone	September 19, 1960

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MAJOR SUBCONTRACTOR LDR-TEMCO-VOUGHT

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
EOR-12868	Environmental Test Plan - HETS Nose Cap	October 10, 1960
EOR-12869	Statement of Work - Dyna-Soar Nose Cap Assembly Development Program	October 14, 1960
EOR-12870	Instrumentation Development Test Plan - HETS Nose Cone	October 19, 1960
EOR-12875	Volume I - Development Plan Nose Cap Assembly	October 17, 1960
EOR-12877	Nose Cap Development Program Increment Statement of Work	December 27, 1960
ME-RQR-3-113	Induction Heater Checkout and Calibration Test Report	December 30, 1963
ME-RQR-3-114	Boost Vibration Test Report Full-Scale X-20 Nose Cap (Verification #1)	December 28, 1963
TIR 63-59900-302A	Verification #1 Nose Cap Assembly Environmental Tests (Release #1)	December 18, 1963
00.416	Simulated Flight Vibration Test - X-20 Structural Demonstrator #4 Nose Cap Assembly	February 11, 1963
3-14000/2R13	Dyna-Soar Nose Cap IZM Development Test Plan	January 29, 1962
3-14000/2R17	Pressure Port Failure Test Report	January 1, 1962
3-14000/2R19	Emitance of Zirconia to 4600°F	April 30, 1962
3-14000/2R34	Development of Airborne Instrumentation for the Dyna-Soar Nose Cap Assemblies	May 21, 1962

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MAJOR SUBCONTRACTOR LING-TREMCO-YOUNG

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
3-14000/2R38	Slot Heating on the Dyna-Soar Nose Cap	June 15, 1962
3-14000/2R39	Thermal Analysis of the No. 4 Structural Demonstrator	June 7, 1962
3-14000/2R40	Design Philosophy and Criteria X-20 Nose Cap	September 9, 1963
3-14000/2R42	Stress Analysis of the No. 4 Structural Demonstrator Graphite Shell	July 16, 1962
3-14000/2R44	Final Development - Verification Test Plan	July 16, 1962
3-14000/2R45	Criteria for Ground Testing and Evaluating the Test Results of Dyna-Soar Structural Demonstrator No. 4 Nose Cap	August 13, 1962
3-14000/3R28	Verification Test Plan Full Scale X-20 Nose Cap Assemblies	Rev. October 11, 1963
3-14000/3R29	Graphite, Interim Mechanical Properties Report	January 1963
3-14000/3R39	Reliability Failure Analysis Report X-20 No. 4 Structural Demonstrator Nose Cap Assembly	March 15, 1963
3-14000/3R42	Physical and Mechanical Properties of Materials Use for Design of the X-20 Nose Cap	Rev. September 26, 1963
3-52130-0162	Specimen Damage Report on X-20 Zirconia Tile Component 50B After Environmental Test	
3-52130-0196	Evaluation of X-20 Verification No. 1 Nose Cap After Environmental Test (Release #1)	January 9, 1964
3-54200/31H-288	Temperature Data on Dyna-Soar Nose Cap (Verification #1)	December 18, 1963

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MAJOR SUBCONTRACTOR LING-TENCO-VOUGHT

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
311.2	Weight and Balance Report No. 2	September 29, 1961
311.11	X-20 Nose Cap Hyperthermal Test Apparatus - Descriptive Report (Oxygen-Propane Burner)	December 9, 1963
311.13	Criteria for Ground Testing and Evaluating the Test Results of X-20 Verification No. 1 and No. 2 Nose Caps	Rev. September 23, 1963
311.15	Thermal Analysis of the Production Nose Cap	July 30, 1963
311.17	X-20 Nose Cap Elastic Energy Analysis	July 31, 1963
311.21	X-20 Nose Cap Loads and Stress Analysis of the Production Nose Cap	October 30, 1963
311.23	TZM Final Mechanical Properties - TZM Molybdenum	November 22, 1963
311.24	Graphite Final Mechanical Properties Report	November 30, 1963
311.26	X-20 Graphite Development Plan Test Results	December 27, 1963
62-59900-185	Release 1, 2, 3 - Oxygen-Propane Burner - Special Test for No. 4 Nose Cap	January 1963
	<u>PROGRAM PLANS</u>	
AST/EOR-13085	Program Plan - DS-1 HETS Nose Cone	August 18, 1960
AST/EOR-12862	Program Plan - DS-1 HETS Nose Cone	September 9, 1960
AST/EIR-12890	Program Plan	Rev. October 10, 1963

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MAJOR SUBCONTRACTOR LING-TEMCO-VOUGHT

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
AST/EOR-12861	Monthly Technical Progress Report - DS-1 HETS Nose Cone	September 1, 1960
AST/EOR-12867	Monthly Technical Progress Report - DS-1 HETS Nose Cone	October 1, 1960
AST/EOR-12872	Monthly Technical Progress Report	December 15, 1960
AST/EIR-12879	Monthly Technical Progress Report - DS-1 Nose Cap Development	January 15, 1961
AST/EIR-12883	Monthly Technical Progress Report	February 15, 1961
AST/EIR-13420	Monthly Technical Progress Report	March 15, 1961
AST/EIR-13436	Monthly Technical Progress Report	April 15, 1961
AST/EIR-13437	Monthly Technical Progress Report	May 15, 1961
AST-311.6	Monthly Technical Progress Report	June 15, 1961
AST-311.7	Monthly Technical Progress Report	July 15, 1961
3-14000/2R15	Monthly Technical Progress Report	August 15, 1961
	Monthly Technical Progress Report	September 15, 1961
	Monthly Technical Progress Report	October 15, 1961
	Monthly Technical Progress Report	November 15, 1961
	Monthly Technical Progress Report	December 15, 1961
	Monthly Technical Progress Report	January 15, 1962

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MAJOR SUBCONTRACTOR LING-TENCO-VOUGHT

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
	Monthly Technical Progress Report	February 15, 1962
3-14000/2R30	Monthly Technical Progress Report	March 15, 1962
3-14000/2R33	Monthly Technical Progress Report	April 15, 1962
3-14000/2R46	Monthly Technical Progress Report	May 15, 1962
3-14000/2R49	Monthly Technical Progress Report	July 15, 1962
3-14000/2R56	Monthly Technical Progress Report	August 15, 1962
3-14000/2R60	Monthly Technical Progress Report	October 15, 1962
3-14000/3R31	Monthly Technical Progress Report	November 15, 1962
3-14000/3R35	Monthly Technical Progress Report	January 15, 1963
	Monthly Technical Progress Report	February 15, 1963
	Monthly Technical Progress Report	March 15, 1963
3-14000/3R44	Monthly Technical Progress Report	April 15, 1963
311.12	Monthly Technical Progress Report	May 15, 1963
311.16	Monthly Technical Progress Report	July 15, 1963
311.18	Monthly Technical Progress Report	August 15, 1963
311.22	Monthly Technical Progress Report	October 15, 1963

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MAJOR SUBCONTRACTOR LING-TIEMCO-YOUCHEE

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
311.25	Monthly Technical Progress Report	November 15, 1963
AST/EOR-12871	Quarterly Progress Report	November 1, 1960
AST/EOR-12872	Quarterly Progress Report	December 15, 1960
AST/EIR-12888	Quarterly Progress Report	March 15, 1961
AST/EIR-13426	Quarterly Progress Report	June 15, 1961
AST-311.1	Quarterly Progress Report	September 15, 1961
3-14000/2R23	Quarterly Progress Report	December 15, 1961
3-14000/2R26	Quarterly Progress Report	March 15, 1962
3-14000/2R41	Quarterly Progress Report	June 15, 1962
3-14000/2R51	Quarterly Progress Report	September 15, 1962
3-14000/2R64	Quarterly Progress Report	December 15, 1962
3-14000/3R41	Quarterly Progress Report	March 15, 1963
311.14	Quarterly Progress Report	June 15, 1963
311.20	Quarterly Progress Report	September 15, 1963
311.27	Quarterly Progress Report	December 15, 1963

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6.0 MINNEAPOLIS-HONEYWELL DOCUMENTS
(Flight Control Electronics)

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MAJOR SUBCONTRACTOR MINNEAPOLIS-HONEYWELL

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 1	Dyna Soar FCSE Nomenclature	8 February 1961
D.S. 2	FCSE Computer	17 February 1961
D.S. 3	Dyna Soar Weight Estimate	21 February 1961
D.S. 4	Mode Selector Switch	1 March 1961
D.S. 5	Standard Dimensions for Computer Packaging	22 February 1961
D.S. 6	BAC Document D2-8088	10 March 1961
D.S. 7	Dyna Soar Weight Estimate	10 March 1961
D.S. 8	MH 132 FCSE, Flight Control Data Measurement	10 March 1961
D.S. 9	Equations of Motion for Preliminary Dyna Soar Analysis	20 April 1961
D.S. 10	Preliminary Analysis Flight Conditions	20 April 1961
D.S. 11	Redundancy Studies	20 April 1961
D.S. 12	Approval of Non-Standard Parts	12 May 1961
D.S. 13	Approval of Non-Standard Parts	17 May 1961
D.S. 14	FCSE Computer	18 May 1961
D.S. 15	FCSE Sensors	22 May 1961
D.S. 16	Wood Mockups for D.E. 1	19 June 1961
D.S. 17	Increased Pilot Participation in Flight Control System Checkout	19 June 1961

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MAJOR SUBCONTRACTOR MINNEAPOLIS-HONEYWELL

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 18	FCSE Computer	20 June 1961
D.S. 19	FCSE Sensors	20 June 1961
D.S. 20	Program Plan and Revised Organization Chart	21 June 1961
D.S. 21	Preliminary FCSE Wiring Schematic	21 June 1961
D.S. 22	Ground Rules for FCSE Cabling	26 June 1961
D.S. 23	Development Program Plan and Development Program Plan Comments	28 June 1961
D.S. 24	Technical Development Specifications	5 July 1961
D.S. 25	Toxicity Report	11 July 1961
D.S. 26	26 Volt Three Phase Power Supply to FCSE	14 July 1961
D.S. 27	Nomenclature Changes for the Components of the YG368A1 FCSE	19 July 1961
D.S. 28	Development Test Plan	21 July 1961
D.S. 29	Quarterly Power Report	21 July 1961
D.S. 30	Angle of Attack Response Performance and FCSE System Complexity Tradeoffs	24 July 1961
D.S. 31	SK 74693, Rev. C; Computer, Dyna Soar	25 July 1961
D.S. 32	DEL Mockup	25 July 1961
D.S. 33	26 Volt Three-Phase Power Supply to FCSE (Revised)	25 July 1961

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MAJOR SUBCONTRACTOR MINNEAPOLIS-HONEYWELL

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 34	Interconnecting Wiring MH 132 FCSE	27 July 1961
D.S. 35	Technical Development Specification	28 July 1961
D.S. 36	Assembly Mode Selector (MH No. CCL30A)	4 August 1961
D.S. 37	FCSE Sensors	9 August 1961
D.S. 38	Approval of Non-Standard Parts	10 August 1961
D.S. 39	Dyna Soar Model 2035 Preliminary Pitch Axis Variable Gain System Analysis for Normal Aerodynamic Glider Flight	15 August 1961
D.S. 40	Dyna Soar Model 2035 Preliminary "G" Limiter Loop for Normal Aerodynamic Flight	18 August 1961
D.S. 41	Manual Flight Control System Gains	18 August 1961
D.S. 42	Approval of Non-Standard Parts	18 August 1961
D.S. 43	Inter-Connection Wire Diagram SK 75071	18 August 1961
D.S. 44	Analytical Data Used in Dyna Soar Model 2050 Control System Studies (Confidential)	24 August 1961
D.S. 45	Control Mode Selector (MH No. CCL30A)	24 August 1961
D.S. 46	FCSE Inertial Guidance System Interface	25 August 1961
D.S. 47	BG 197 Computer Flight Control Subsystem Electronics	25 August 1961
D.S. 48	FCSE Sensors	21 September 1961

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MAJOR SUBCONTRACTOR MINNEAPOLIS-HONEYWELL

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 49	Program Plan, Development Program Plan and Test Program Plan	1 September 1961
D.S. 50	Program Plan for Dyna Soar Body Bending Study	5 September 1961
D.S. 51	Technical Development Specification	6 September 1961
D.S. 52	GSE Development Program Plan and Comments	12 September 1961
D.S. 53	Simulation Devices Shipped 9/11/61 (Waybill No. 73-92-63)	12 September 1961
D.S. 54	Approval of Non-Standard Parts	20 September 1961
D.S. 55	Manual Flight Control System Gains	26 September 1961
D.S. 56	Auxiliary Ground Supplier Air Requirements - Log Item 188	26 September 1961
D.S. 57	Control Mode Selector (MH No. CG130A)	27 September 1961
D.S. 58	Servo Malfunction Detector	27 September 1961
D.S. 59	Bench Test Equipment Detail Specification	29 September 1961
D.S. 60	Servo Loop Electronics	29 September 1961
D.S. 61	Quarterly Report of FCSE Electronic and Non-Standard Parts List	29 September 1961
D.S. 62	AGE Development and Test Program Plan and Comments	2 October 1961
D.S. 63	Loading of Side Stick Transducers	10 October 1961
D.S. 64	Dyna Soar Program Plan, Development Test Plan and the Development Program	10 October 1961

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MAJOR SUBCONTRACTOR MINNEAPOLIS-HONEYWELL

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 65	Lean Simulator	11 October 1961
D.S. 66	Higher AC & DC Overvoltage Limits During Abnormal Electrical Systems Operation	12 October 1961
D.S. 67	Critical Design Review Procedures	12 October 1961
D.S. 68	Internal Program Detail Charts	13 October 1961
D.S. 69	BG 197A Computer Construction	13 October 1961
D.S. 70	Mode Selector	17 October 1961
D.S. 71	Reliability Program for the MH-132 Dyna Soar Flight Control System Electronics	17 October 1961
D.S. 72	Mode Switching Transients	18 October 1961
D.S. 73	Comments to Boeing Letter 2-4452-2-924	23 October 1961
D.S. 74	Quarterly Electrical Power Report - DC Power Requirements	23 October 1961
D.S. 75	Maintenance Spare Parts Lists	24 October 1961
D.S. 76	Honeywell Dyna Soar Drawings	25 October 1961
D.S. 77	Approval of Non-Standard Parts	26 October 1961
D.S. 78	Approval of Non-Standard Parts	27 October 1961
D.S. 79	FCSE Sensors	27 October 1961
D.S. 80	Toxicity Study	27 October 1961

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MAJOR SUBCONTRACTOR MINNEAPOLIS-HONEYWELL

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 81	Data Needed for Dyna Soar Body Bending Study	27 October 1961
D.S. 82	Anticipated Tolerances for Normal Load Factor Limits	2 November 1961
D.S. 83	BG 197 Weldmaster Tie-In Paint Description	3 November 1961
D.S. 84	Critical Design Review Bench Level Test Equipment	3 November 1961
D.S. 85	Bench Level Test Equipment	3 November 1961
D.S. 86	Bench Level Test Equipment	3 November 1961
D.S. 87	Construction Details of BG 197 Computer	3 November 1961
D.S. 88	Transducer & Valve Phasing Information Required	7 November 1961
D.S. 89	Bench Level Test Equipment	8 November 1961
D.S. 90	Technical Development Specifications	8 November 1961
D.S. 91	Technical Development Specifications	16 November 1961
D.S. 92	Serve Loop Amplifier Demodulator Characteristic	16 November 1961
D.S. 93	Preliminary Vibration Tests on Dyna Soar Computer Chassis	20 November 1961
D.S. 94	Quarterly FUSE Released Drawings, Schematics, and Specification Report	21 November 1961
D.S. 95	Revision of Normal Load Factor Negative Limit	21 November 1961
D.S. 96	Toxicity Requirements for the Dyna Soar FUSE	21 November 1961

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MAJOR SUBCONTRACTOR MINNEAPOLIS-HONEYWELL

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 97	Minutes of B-H Technical Coordination Meeting 11-10-61	22 November 1961
D.S. 98	Heat Transfer Characteristics of the Dyna Soar FCSE Computer	22 November 1961
D.S. 99	Schematic of TARS Modulator	27 November 1961
D.S. 100	Actuator Transducer Malfunction Detector	29 November 1961
D.S. 101	Possibilities for Dyna Soar Glider Weight Reduction	29 November 1961
D.S. 102	Preliminary Actuator Transducer Tolerance Requirements	29 November 1961
D.S. 103	MH-132 FCSE Telemetry Requirements	30 November 1961
D.S. 104	Interconnecting Wiring List #5753-1	1 December 1961
D.S. 105	Bench Level Test Equipment Drawing	4 December 1961
D.S. 106	Dyna Soar Model 2050 Reduced Aerodynamic Data (Confidential)	4 December 1961
D.S. 107	Cooling Tests of Dyna Soar FCSE Computer Chassis	4 December 1961
D.S. 108	Computer Design	4 December 1961
D.S. 109	Servo Malfunction Detector Development	22 December 1961
D.S. 110	Reference Data on Pilot Acceleration Sensitivity	22 December 1961
D.S. 111	Manual Flight Control System Gains	22 December 1961
D.S. 112	Technical Development Specifications	22 December 1961
D.S. 113	Booster Interface (TARS) AC & DC Signal Inputs	22 December 1961

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MAJOR SUBCONTRACTOR MINNEAPOLIS-HONEYWELL

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 114	Transducer and Valve Phasing Information	22 December 1961
D.S. 115	Corrected Pitch Axis Dyna Soar Model 2050 Reduced Aerodynamic Data	27 December 1961
D.S. 116	Dyna Soar Model 2050 Manual Direct Gain Compatibility Study	27 December 1961
D.S. 117	Reaction Control (R/C) ARC Suppression	27 December 1961
D.S. 118	Quarterly Report of FCSE Electronic and Non-Standard Parts List	29 December 1961
D.S. 119	Dyna Soar Switching Logic	5 January 1962
D.S. 120	FCSE Sensors	8 January 1962
D.S. 121	Mechanization of Manual Direct and Manual Fixed Gain Switching	8 January 1962
D.S. 122	System Schematics and Mechanization Diagrams	8 January 1962
D.S. 123	Solder Joint Inspection per D2-7481	8 January 1962
D.S. 124	Additional Data Required for Final Approval of Conditionally Approved Non-Standard Part Requests	8 January 1962
D.S. 125	Quarterly FCSE Released Drawings, Schematics and Specifications Report	9 January 1962
D.S. 126	EX 75648 Computer, Flight Control Subsystem Electronics Proposal BG 197A1	10 January 1962
D.S. 127	Honeywell Dyna Soar Drawings	11 January 1962
D.S. 128	FCSE Reaction Control Cycling Rates	11 January 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 129	MH-132 FCSE Telemetry Requirements	11 January 1962
D.S. 130	Recent MH-132 FCSE Lateral Analysis Studies	12 January 1962
D.S. 131	MH-132 FCSE Telemetry Requirements	12 January 1962
D.S. 132	Preliminary Simplified Roll Axis Equations with Body Bending and Tail-Wag-Dog Effects	16 January 1962
D.S. 133	Additional Data Necessary for Body Bending Study Resulting from Sensor Locations in Pilot Compartment	19 January 1962
D.S. 134	Dyna Soar Pitch Axis, Integrating Versus Non-Integrating Elevon Actuator Study	19 January 1962
D.S. 135	Reliability Effort	19 January 1962
D.S. 136	Suggested Rereading of Paragraphs in the Boeing Company Document D2-7483-2	19 January 1962
D.S. 137	Switching of Manual-Direct Signals During Augmented Control; MH 132 FCSE	23 January 1962
D.S. 138	Honeywell Dyna Soar Drawings	23 January 1962
D.S. 139	Toggle Switch MS 25308-27 (CS893882)	29 January 1962
D.S. 140	SK 75747 Rev. A Computer, Flight Control Subsystem Electronics Proposal B1197A	30 January 1962
D.S. 141	Data Necessary for Study of Tail-Wag-Dog and Structural Effects of Thrust Vector Nozzles	30 January 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 142	FCSE Interface Data	31 January 1962
D.S. 143	Interconnecting Wiring List H-5753-1	1 February 1962
D.S. 144	Test Point Data: MI-132 FCSE	1 February 1962
D.S. 145	Panel and Rack Configuration for D2-7483-2, BTE-FCSE	2 February 1962
D.S. 146	D2-7483, BTE-FCSE Revised 1-3-62	2 February 1962
D.S. 147	Trim Hardover Failures	6 February 1962
D.S. 148	Quarterly Reliability Report	6 February 1962
D.S. 149	Rudder/Pedal Transfer Function	6 February 1962
D.S. 150	D2-80065 "Aerodynamic Stability & Control Data, Model B44-2050", dated December 20, 1961	13 February 1962
D.S. 151	MI-132 FCSE Failure Monitoring Techniques	13 February 1962
D.S. 152	Interconnecting Wiring List H-5753-1	14 February 1962
D.S. 153	FCSE Computer Fuses	15 February 1962
D.S. 154	Solder Joint Inspection	15 February 1962
D.S. 155	Servo Test Consoles	16 February 1962
D.S. 156	Recommended Training Plan for the MI 132 FCSE	16 February 1962
D.S. 157	Dyna Soar FCSE Switching Logic for Second Lateral Accelerometer Failure	16 February 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 158	Power Consumption MH 132 FCSE	19 February 1962
D.S. 159	Transmittal of Drawings	28 February 1962
D.S. 160	Dyna Soar Pitch Axis, Preliminary Flugoid and Thrust Vector Control Analyses	2 March 1962
D.S. 161	Proposed Materials and Finishes - MH 132 FCSE	2 March 1962
D.S. 162	Transmittal of AGE Aircraft and Servo Simulation Schematics and Information	2 March 1962
D.S. 163	Servo Test Consoles	5 March 1962
D.S. 164	Technical Development Specifications	5 March 1962
D.S. 165	Proposed Incorporation of Dial Control for Pitch Axis Tyde	6 March 1962
D.S. 166	Eleven Deflection Electronic Limiting and Switching Requirements at Landing	6 March 1962
D.S. 167	Power Consumption MH 132 FCSE	6 March 1962
D.S. 168	BG 197 FCSE Computer Outline	8 March 1962
D.S. 169	Calculated Error Tolerances for Command Signal Limiter Circuitry	8 March 1962
D.S. 170	M-H Reliability Plan	8 March 1962
D.S. 171	Honeywell Comments on 6° of Freedom Simulator Studies in Seattle, Feb. 6-8, 1962	8 March 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 172	Minneapolis-Honeywell Request for Parts Approval	13 March 1962
D.S. 173	Deviations to Applicable Documents Log Item 206	13 March 1962
D.S. 174	Boeing/M-H Technical Coordination Meeting Minutes of Feb. 6-8, 1962	19 March 1962
D.S. 175	AGE Analog Simulation	20 March 1962
D.S. 176	Transmittal of AGE Aircraft	20 March 1962
D.S. 177	Corrected Coupled Mode Longitudinal Transfer Functions	21 March 1962
D.S. 178	Non-Standard Part Approval Request Forms MIDS30 through 39	23 March 1962
D.S. 179	Functional Diagram and Transfer Function of Band Pass Filter and Gain Changer	23 March 1962
D.S. 180	Flight Recordings - X-15	23 March 1962
D.S. 181	MH 132 PCSE Analytical Block Diagrams	23 March 1962
D.S. 182	Interconnecting Wiring Diagram - H57531A	23 March 1962
D.S. 183	Comment to Boeing Letter 2-4452-2-1640	27 March 1962
D.S. 184	Termination of Shielded Wires	27 March 1962
D.S. 185	Flight Control Subsystem Electronics Failure Monitoring Techniques	28 March 1962
D.S. 186	Aerodynamics Uncoupled Longitudinal Pitch Rate to Elevator Body Bending Transfer Function	28 March 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 187	Reproducible copy of H-5753-1A Interconnecting Wiring Diagram	30 March 1962
D.S. 188	Quarterly Report of FCSH Electronics and Non-Standard Parts List	3 April 1962
D.S. 189	Root Locus of Pitch Rate Loop Using Coupled Bending Mode Data	3 April 1962
D.S. 190	Honeywell Welding Specification	3 April 1962
D.S. 191	BG197A FCSH Computer Outline	5 April 1962
D.S. 192	Manual Flight Control System Gains	9 April 1962
D.S. 193	Quarterly FCSH Released Drawings, Schematics, and Specification Report	9 April 1962
D.S. 194	Rudder Speed Brakes Mechanization	10 April 1962
D.S. 195	Flight Control Subsystem Electronics Computer Outline	12 April 1962
D.S. 196	Functional Schematics and Wiring Diagrams for AGE Simulations	12 April 1962
D.S. 197	Clarification of Boeing Review of M-H Drawing	12 April 1962
D.S. 198	Boeing Letter 2-4452-2-1765 dated 2 April 1962	12 April 1962
D.S. 199	Pitch Bias Trim Potentiometers, Servo Valve Impedance, Rate Feedback Transducer Phase Shift and Servo Amplifier Gain	13 April 1962
D.S. 200	Technical Development Specification	13 April 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 201	Definition of Flight Conditions for the Dyna Soar Analysis Based on the Aerodynamics and Stability and Control Data of Model 844-2050D (Confidential)	13 April 1962
D.S. 202	Normal Acceleration Loop Transfer Functions Using Coupled Bending Mode Data	18 April 1962
D.S. 203	Roll Rate Limiting and CSL Power Supply	23 April 1962
D.S. 204	CGL38A1 Control Mode Selector Panel Lettering	24 April 1962
D.S. 205	Assumptions Inherent in Computer Study Equations of Motion	27 April 1962
D.S. 206	Weight of BG197 FCSE Computer	30 April 1962
P.S. 207	Nitric Acid Test for FCSE Connectors	1 May 1962
D.S. 208	Glider Control After Touchdown	3 May 1962
D.S. 209	Proposed Reaction Control Switching Configuration	3 May 1962
D.S. 210	Assumption and Result in MH Reaction Control Fuel Consumption Studies	7 May 1962
D.S. 211	Root Locus Plots of Pitch Rate Loop Using Coupled Bending Mode Data	7 May 1962
D.S. 212	Speed Brake and Rudder Trailing/Faired Mechanization	7 May 1962
D.S. 213	Proposed Incorporation of Pitch Dial Trim	7 May 1962
D.S. 214	System Mechanization Diagrams	7 May 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 215	Honeywell Aero Report 2546-TR9	7 May 1962
D.S. 216	Gain Changer and Control Surface Residual Motion Periods	10 May 1962
D.S. 217	Product Identification System	10 May 1962
D.S. 218	Functional Diagram and Transfer Function of Band Pass Filter and Gain Changer	10 May 1962
D.S. 219	Technical Development Specification	10 May 1962
D.S. 220	DG197A1 Computer Outline	10 May 1962
D.S. 221	Non-Standard Part Approval Request Forms MI DS 40 through 43	14 May 1962
D.S. 222	Lead Network Amplifier & Amplifier Limiter Assemblies	14 May 1962
D.S. 223	DUG 1484A1 Test Console	14 May 1962
D.S. 224	Transfer Functions of the Longitudinal Free Airplane Using Coupled Bending Data with Structural Damping Added	14 May 1962
D.S. 225	DUG1484A1 Eight Channel Thrust Vector Test Console	15 May 1962
D.S. 226	Additional Relays Required for Touchdown Mechanization	18 May 1962
D.S. 227	Accelerometer Self Test	22 May 1962
D.S. 228	Transfer Functions for FLOLA Airplane	22 May 1962
D.S. 229	Mechanization Diagrams	22 May 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 230	DUG 1484A1	23 May 1962
D.S. 231	Transfer Functions of the Longitudinal Free Airplane and Normal Acceleration Loop Using Coupled Bending Data with Structural Damping Added	23 May 1962
D.S. 232	MI Boston Division Reliability Program	24 May 1962
D.S. 233	Summary of Current 3 Degree-of-Freedom Analog Simulations and Aero Derivatives	24 May 1962
D.S. 234	FCSE AGE Bench Test Set Drawings	29 May 1962
D.S. 235	Negative Load Factor Limiting	29 May 1962
D.S. 236	Physics-of-Failure Analysis of Standard Price Parts	29 May 1962
D.S. 237	Description of Six Degrees-of-Freedom Digital Computer Program	29 May 1962
D.S. 238	DUG 1483A1 Two Channel Surface Servo Test Console	31 May 1962
D.S. 239	Servo Malfunction Detector	1 June 1962
D.S. 240	Desirability and Feasibility of Latching Out Gyro, Stick, Pedal and Lateral Accelerometer First Failures	1 June 1962
D.S. 241	G. Limiter Normal Accelerometer Temperature Environment	6 June 1962
D.S. 242	AEA Report No. 101, "Review of Flight Control System Electronics Proposed by MI Regulator Company for Dyna Sear", dated 25 April 1962	6 June 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 243	Flight Control System Electronics Failure Monitoring Techniques	8 June 1962
D.S. 244	Wiring List	15 June 1962
D.S. 245	On-off Logic Servo Malfunction Detector Description	20 June 1962
D.S. 246	DUG 1485A1 Thrust Vector Servo Test Console	26 June 1962
D.S. 247	Critical Design Review Meeting Minutes	26 June 1962
D.S. 248	DUG 1485A1 Eight Channel Thrust Vector Test Console	26 June 1962
D.S. 249	RFI Bonding of Sensor Packages	26 June 1962
D.S. 250	Transmittals of Failure Mode Analysis	28 June 1962
D.S. 251	Hot Glider Pitch Rate Transfer Functions Using Coupled Mode Data	28 June 1962
D.S. 252	Comparison of Six-Degree-of-Freedom Simulation Results	29 June 1962
D.S. 253	DUG 1483A1 Two Channel Surface Servo Test Console	2 July 1962
D.S. 254	Load Simulation for the Prototype Actuator	3 July 1962
D.S. 255	DUG 1483A1 Surface Servo Test Console	3 July 1962
D.S. 256	Quarterly Report of FCSE Electronic and Non-Standard Parts List	3 July 1962
D.S. 257	Limit Switching Mechanization	10 July 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 258	Root Locus Plots for Pitch Rate Loop Plus Preliminary Compensation Using Glider Alone Coupled Mode Data	12 July 1962
D.S. 259	Flight Control Subsystem Electronics - Reaction Control Interface and Redundancy Concept	12 July 1962
D.S. 260	Longitudinal Performance Summary	12 July 1962
D.S. 261	Dyna Soar Model 844-2050D Reduced Aerodynamic Data	13 July 1962
D.S. 262	Root Locus Plots for Pitch Rate Loop Plus Compensation Utilizing Hot Glider Coupled Mode Data	16 July 1962
D.S. 263	Boeing Approval of MH 132 FCSE Material	16 July 1962
D.S. 264	BG 197A FCSE Computer Finish	16 July 1962
D.S. 265	Representative MH Process Specs	16 July 1962
D.S. 266	Rudder & Elevon Electrical Zero Characteristics	17 July 1962
D.S. 267	Dyna Soar Model 844-2050 Reduced Aerodynamic Data	24 July 1962
D.S. 268	BG 197 FCSE Computer	24 July 1962
D.S. 269	Boundary of Limiting Negative CSL Function	26 July 1962
D.S. 270	Random Vibration Analysis	26 July 1962
D.S. 271	Flight Control Subsystem Electronics Failure Monitoring Techniques	26 July 1962
D.S. 272	BG 197 FCSE Computer Interim Cooling Gas Requirements	26 July 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
B.S. 273	Control Surface Activity Comparison, Linear vs Adaptive Augmentation Systems	30 July 1962
D.S. 274	Addendum to Honeywell Aero Report 2546-TR9, Rev. A, dated June 1, 1962 "Initial Aero Space Ground Equipment (ACE) and Telemetry Test Point Data Report"	30 July 1962
D.S. 275	Hydraulic Actuator Wiring Diagram	30 July 1962
D.S. 276	Untransformed Lateral Roots, Supersonic Cases - Glider Alone	1 August 1962
D.S. 277	Task IV Spares	1 August 1962
D.S. 278	Test Report APS 2764 DUG 1484A1 Test Console	1 August 1962
D.S. 279	Quarterly FCSE Released Drawings, Schematics, and Specification Report	2 August 1962
D.S. 280	FCSE Components Parts Failure Rate Data	2 August 1962
D.S. 281	Surface Unlock Switch Mechanization	3 August 1962
D.S. 282	FCSE Computer	3 August 1962
D.S. 283	Beta Limiter Servo Amplifier TV Servo Amplifier	3 August 1962
D.S. 304	Boeing Technical Presentation on Abort Recovery Problems	29 August 1962
D.S. 305	Load Simulator for the Prototype Actuator	29 August 1962
D.S. 306	Subsonic Glider Alone Pitch Rate Transfer Functions Using Coupled Bending Mode Data	30 August 1962

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D.S. 307	Updated Control System Functional Block Diagrams	30 August 1962
D.S. 308	Glider Alone, Roll-Rate Loop Root Locus Using Supersonic Lateral Antisymmetric Coupled Bending Data	30 August 1962
D.S. 309	Glider Alone, Roll-Rate Transfer Function Using Supersonic Lateral Antisymmetric Coupled Bending Data	30 August 1962
D.S. 310	Effects of Aerodynamic Coupling on Body Bending Frequencies	31 August 1962
D.S. 311	Glider Alone, Yaw Axis Upon Loop Transfer Functions Using Supersonic Lateral Antisymmetric Coupled Bending Data	31 August 1962
D.S. 312	Test Document Plan	5 September 1962
D.S. 313	MH Aero Report 2546-TR6-2 "Reliability Program for the MH-132 Dyna Soar Flight Control System Electronics	5 September 1962
D.S. 314	Request for Ultimate Recovery Capability of the Abort Vehicle	13 September 1962
D.S. 315	Dyna Soar Model 844-20500 Reduced Aerodynamic Data	13 September 1962
D.S. 316	Frequency Response Plots of X-20 (Dyna Soar) Pitch Axis	19 September 1962
D.S. 317	Simplification of the Servo Malfunction Detector	19 September 1962
D.S. 318	Root Locus Stability Analysis of Lateral Antisymmetric Aeroblastic X-20 (Dyna Soar) Vehicle	21 September 1962
D.S. 319	X-20 (Dyna Soar) Pitch Stability and Performance with Body Bending Filters (Confidential)	24 September 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 320	Tech Lab Mechanization Drawings	24 September 1962
D.S. 321	CSL and CSL Monitors Mechanization and Performance	24 September 1962
D.S. 322	Updated Control System Functional Block Diagrams	24 September 1962
D.S. 323	System Level Test of the Adaptive Network Comparator	25 September 1962
D.S. 324	Eleven Servo Amplifier Redesign	26 September 1962
D.S. 325	Release of X-15 Information to Boeing	26 September 1962
D.S. 326	X-20 (Dyna Soar) FCSE Frequency Response Characteristics	26 September 1962
D.S. 327	Minneapolis-Honeywell Aero Report 2546-TR9	26 September 1962
D.S. 328	Lateral Performance Summary (Confidential)	26 September 1962
D.S. 329	DUG 1485A1 Test Console Spares	28 September 1962
D.S. 330	Flight Control Telemetry Measurement Requirements	28 September 1962
D.S. 331	Lateral Performance Summary with Body Bending Compensation	28 September 1962
D.S. 332	Booster TARS Modulator	28 September 1962
D.S. 333	Comments to Boeing Drawing 25-80221 Sheets 1H, 2D, 3D, dated 8-7-62 and 4A dated 8-14-62	28 September 1962
D.S. 334	Approval Request for Use of Non-Standard Electronic Parts	1 October 1962
D.S. 335	Limiter Switching	1 October 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 336	Revised X-20 (Dyna Soar) Analysis Flight Conditions	2 October 1962
D.S. 337	Quarterly Report of FCSE Electronic and Non-Standard Parts List	4 October 1962
D.S. 338	Up-Logic Gain Changer Block Diagrams	4 October 1962
D.S. 339	Deterioration of Variable Attenuator Performance Due to Distributed Capacitance in Long Shielded Test Leads	4 October 1962
D.S. 340	Technical Development Specifications	5 October 1962
D.S. 341	Telemetry Points 332019 and 332012	5 October 1962
D.S. 342	Comments on Review of M-11 Process Spec E.S. 13129 and X-20 (Dyna Soar) Welded Module Drawings	11 October 1962
D.S. 343	Proposal for Automatic Mode Reaction Control Gain Change Switch	8 October 1962
D.S. 344	FCSE Test Document Plan	16 October 1962
D.S. 345	PERT	9 October 1962
D.S. 346	Analog Documentation of Lateral Performance Summary with Body Bending Compensation (Conf.)	9 October 1962
D.S. 347	F101 Surface Activity	11 October 1962
D.S. 348	X-15 MIBF Data (Confidential)	12 October 1962
D.S. 349	Flight Control Subsystem Electronics Technical Coordination Meeting Minutes September 4-6, 1962 at Boeing, Seattle	16 October 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 350	Load Simulator and Prototype Servo Valve and Actuator Assembly Utilization	16 October 1962
D.S. 351	Breadboard and Prototype Servo Assembly Data	16 October 1962
D.S. 352	Quarterly FCSE Released Drawings Schematics, and Specifications Report	16 October 1962
D.S. 353	IGS Loads and Tolerances	16 October 1962
D.S. 354	Formal Approval of MH Technical Memo No. 276, "Toxicity Appraisal of MH-132 FCSE Materials", dated June 1962	18 October 1962
D.S. 355	Stick or Pedal Amp-Demod Failure Indication	22 October 1962
D.S. 356	Card Test Procedures for Task IV Spares	24 October 1962
D.S. 357	Limit Switch Mechanization	25 October 1962
D.S. 358	X-20 (Cyna Sear) Model 2050E Reduced Aero-dynamic Data	25 October 1962
D.S. 359	Boeing-Honeywell Telecon of Tuesday, October 23, 1962	1 November 1962
D.S. 360	Technical Development Specifications	1 November 1962
D.S. 361	FCSE Outline Drawing	2 November 1962
D.S. 362	Honeywell Request to Redesign Surface Servo Amplifier	2 November 1962
D.S. 363	X-20 Adaptive Gain Changer Description	12 November 1962
D.S. 364	Data Required for Honeywell Abort Studies	12 November 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 365	Card Test Procedures for Task IV Spares	8 November 1962
D.S. 366	Comments on FCSE Interface Wiring Data	8 November 1962
D.S. 367	Servo Valve Package Failure	9 November 1962
D.S. 368	Variable Attenuator Summing Roll & Yaw	12 November 1962
D.S. 369	Gain Computer Comparator Adaptive Network Comparator	12 November 1962
D.S. 370	Initial Results of Honeywell Body Dendling Parametric Study	15 November 1962
D.S. 371	Flight Control Subsystem Electronics Technical Coordination Meeting (TCH) Minutes - September 4-6, 1962 at Boeing, Seattle	19 November 1962
D.S. 372	Accountable Tooling Changes	20 November 1962
D.S. 373	FCSE Computer Ground Handling Attachments	21 November 1962
D.S. 374	Updated Control System Functional Block Diagrams	21 November 1962
D.S. 375	Technical Coordination Meeting Minutes	27 November 1962
D.S. 376	FCSE Primary A.C. Power	27 November 1962
D.S. 377	X-20 (Dyna Soar) Analog Computer Simulation Diagrams	28 November 1962
D.S. 378	M-H FCSE Process Specification E.S. 13129 - Resistance Welding of Leadwire	28 November 1962
D.S. 379	GG208 Dyna Soar (X-20) Accelerometer Package	28 November 1962
D.S. 380	System Level Test Points - Auto Engage and Gain Computer	30 November 1962

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 381	Proposed Side Stick Sensitivity Control	30 November 1962
D.S. 382	Boost Air-Launch and Selectable Gain Pre-engage Gain for the FCSE Gain Computers	30 November 1962
D.S. 383	Revised FCSE Interface Wiring Tab Run	4 December 1962
D.S. 384	Correction to X-20 (Dyna Soar) Model 2050E Reduced Aerodynamic Data	4 December 1962
D.S. 385	Summary of Honeywell Abort Condition Study Assumptions	4 December 1962
D.S. 386	Non-Standard Parts Approval Submittal	6 December 1962
D.S. 387	FCSE Reliability Program Plan; Revised MH Report 2546-TR-2, Supplement 1, dated 5 October 1962	6 December 1962
D.S. 388	Proposed Side Stick Sensitivity Control	11 December 1962
D.S. 389	Selectable Gain Pre-Engage Gain for the FCSE Gain Computer	12 December 1962
D.S. 390	Surface Servo Test Console Modification	12 December 1962
D.S. 391	Preliminary Tech Lab Unit FCSE Interface Wiring Tab Run	12 December 1962
D.S. 392	Boeing Drawing 25-80221, All Sheets	14 December 1962
D.S. 393	Flight Control Subsystem Electronics Wiring Data	19 December 1962
D.S. 394	Nameplates for Tech Lab Built Units	19 December 1962
D.S. 395	Quarterly Electronics and Non-Standard Parts List	26 December 1962

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D.S. 396	Non-Standard Parts Approval Submittal	26 December 1962
D.S. 397	MH FCSE Drawings	26 December 1962
D.S. 398	System Level Test Points	28 December 1962
D.S. 399	FCSE Primary AC Power	28 December 1962
D.S. 400	Root Locus Stability Analysis of the Lateral Antisymmetric Aerelastic Abort Vehicle	28 December 1962
D.S. 401	Gyro Crossfeed on Single Failure	2 January 1963
D.S. 402	FCSE Switch Technique Modifications	2 January 1963
D.S. 403	Minutes of Boeing M-H Technical Coordination Meeting of November 13, 14, 15, 1962	4 January 1963
D.S. 404	Results of X-20 (Dyna Soar) Pitch Axis Body Bending Parametric Study	15 February 1963
D.S. 405	Analysis of X-20 (Dyna Soar) Orbital Performance & Reaction Control Fuel Consumption	14 January 1963
D.S. 406	Updated Version of Toxicity Study (Technical Memo No. 276-1)	10 January 1963
D.S. 407	Interference Test Plan	10 January 1963
D.S. 408	MH FCSE Drawings	11 January 1963
D.S. 409	Failure Analysis of CSL Scheduler and Demod-Amp	11 January 1963
D.S. 410	"Auto Out" Light Mechanization	11 January 1963

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D.S. 411	Summary of M-N FCSE Analysis Studies for Use in Preparation of Boeing Report of the Air Force	14 January 1963
D.S. 412	Lateral Performance Summary	15 January 1963
D.S. 413	Quarterly FCSE Released Drawings, Schematics and Specification Report 2546-TH18	15 January 1963
D.S. 414	Tech Lab Interface and Test Point List for YG368A1 FCSE	16 January 1963
D.S. 415	Technical Development Specifications	22 January 1963
D.S. 416	Updated Control System Functional Block Diagram	23 January 1963
D.S. 417	MH FCSE Drawing	23 January 1963
D.S. 418	Card Test Procedures for Tank XI Spares	30 January 1963
D.S. 419	Lateral Axis, Body Bending Parametric Study	31 January 1963
D.S. 420	Revision C of MH Aero Report 2546-TH19, dated February, 1963	5 February 1963
D.S. 421	PERT Network	8 February 1963
D.S. 422	Modification of MH Test Console at Temco	13 February 1963
D.S. 423	Minutes of B/MH TCM on November 13-15, 1962	13 February 1963
D.S. 424	Drawings and Wiring List for Tech Lab FCSE Computer	15 February 1963
D.S. 425	Tech Memo 276-1	15 February 1963
D.S. 426	Longitudinal Performance Summary (2050E Data)	19 February 1963

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 427	Repair of Test Console Demodulator-Amplifier	22 February 1963
D.S. 428	Current Results of Honeywell Pitch Axis Abort Studies	22 February 1963
D.S. 429	Triple 3-Phase 115 VAC FCSE Input Power	22 February 1963
D.S. 430	Acceptance Test Report for 952820-1A Servo Amplifier Task IV Spares	22 February 1963
D.S. 431	Root Locus Stability Analysis of Longitudinal Symmetric Aeroelastic Abort Vehicle	22 February 1963
D.S. 432	Mockup to BTE Differences	25 February 1963
D.S. 433	Shielded Wire in the X-20 (Dyna Soar) FCSE	25 February 1963
D.S. 434	Root Locus Stability Analysis of Automatic Mods and Command Signal Limiter Loop for Glider Alone with Symmetric Aeroelastic Data	26 February 1963
D.S. 435	ICE Sidelip Accuracy Effects upon Reaction Control Fuel Consumption	27 February 1963
D.S. 436	Differences Between 6020T and 6020M Epoxy	1 March 1963
D.S. 437	X-20 (Dyna Soar) Elevation Actuator Position Transducer (LVDT) Failure	7 March 1963
D.S. 438	Document FAIRER 62-10, X-20 (Dyna Soar) Master Data Measurements List, 2/11/63	7 March 1963
D.S. 439	Results of Honeywell Abort Study	7 March 1963

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 440	FCSE Manual Flight Control System Drawings	7 March 1963
D.S. 441	Boeing Manual Flight Control System Electrical Wiring Revisions	7 March 1963
D.S. 442	Non-Standard Parts Approval Submittal	11 March 1963
D.S. 443	Tech Lab System Configuration	12 March 1963
D.S. 444	Revision "D", of MH Aero Report 2546-TR9, dated March 15, 1963	18 March 1963
D.S. 445	Minutes of Boeing-MH TCM, March 12, 13, 14, 1963	20 March 1963
D.S. 446	Transistorized Servo Amplifier Data	20 March 1963
D.S. 447	Rudder Servo Phasing	22 March 1963
D.S. 448	Root Locus Stability Analysis of Pitch Automatic Mode for the Longitudinal Symmetrical Abort Vehicle	5 April 1963
D.S. 449	Non-Standard Parts Approval Submittal	27 March 1963
D.S. 450	Quarterly Report of FCSE Electronic & Non-Standard Parts List	29 March 1963
D.S. 451	Tech. Memo 276-1 (Item 122)	1 April 1963
D.S. 452	FCSE Manual Flight Control System Drawings	1 April 1963
D.S. 453	Results of Additional X-20 Body Bending Parametric Studies of Pitch Axis Configuration	5 April 1963
D.S. 454	Effects of Storm Turbulence on X-20 Lateral Performance	8 April 1963

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 455	Gain Computer Study with a Flexible Vehicle	8 April 1963
D.S. 456	Minutes of MH-Boeing Reliability Conferences of March 19-22, 1963	5 April 1963
D.S. 457	Document Plan	5 April 1963
D.S. 458	Technical Development Specifications	8 April 1963
D.S. 459	Tech Lab Model FCSSE Computer	8 April 1963
D.S. 460	Servo Malfunction Detector Logic	8 April 1963
D.S. 461	Re-Modification of the Second D2-7483A1 X-20 Servo Test Console Located at Tamco Electronics, Arlington, Texas	9 April 1963
D.S. 462	Non-Standard Parts Approval Submittal	11 April 1963
D.S. 463	Revised Drawings of Surface Servo Test Console	11 April 1963
D.S. 464	X-20 Specifications D2-7483-2 and D2-7483-3	16 April 1963
D.S. 465	Quarterly FCSSE Drawings, Schematics and Specifications Report 2546-TR19 - P.O. Item 1.1.1.1	16 April 1963
D.S. 466	Tech Lab Model Control Mode Selector and Control Trim Selector	18 April 1963
D.S. 467	Re-Modification of the X-20 Servo Electronics Test Consoles at Tamco Electronics	19 April 1963
D.S. 468	Request for D2-7483 Analog Simulation Diagrams for use in FFM	22 April 1963

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 469	Flight Control Subsystem Electronics Bench Test Equipment (BTE)	24 April 1963
D.S. 470	Glider Wiring Harness Characteristics for Interconnecting FCSE Components	24 April 1963
D.S. 471	Revised Drawings of Surface Servo Test Console	26 April 1963
D.S. 472	Honeywell Engineering Specification 13129	30 April 1963
D.S. 473	Request for Deviation and Partial Deviation from Specs	30 April 1963
D.S. 474	Honeywell Servo Actuator Response Data	6 May 1963
D.S. 475	Flight Conditions for Use in Determination of Pilot Selectable Fixed Gains	6 May 1963
D.S. 476	Servo Amp Failure Report 04-1223, Log Item 382	9 May 1963
D.S. 477	Comparison of Gain Computer Performance with Prototype and Simulated Servo Actuators	17 May 1963
D.S. 478	Tech Lab Control Trim Selector Circuit Modification	13 May 1963
D.S. 479	Honeywell Comment to Boeing Action Item 7c (Mach TCM)	13 May 1963
D.S. 480	Boeing Failure Report No. 053066 dated April 19, 1963	13 May 1963
D.S. 481	Revision of Manual Flight Control System Diagram	13 May 1963
D.S. 482	Pitch Trim Override Control	13 May 1963
D.S. 483	Telemetry Test Point Tolerances	14 May 1963
D.S. 484	Deviations to D2-7481	17 May 1963

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 485	Results of Honeywell Six-Degree-of-Freedom Abort Study	17 May 1963
D.S. 486	Justification to Qualify Gyro Packages by Similarity	17 May 1963
D.S. 487	PFRT Testing Outline	17 May 1963
D.S. 488	Questions Asked by the X-20 Pilots During the Question and Answer Session of April 3, 1963	24 May 1963
D.S. 489	Side Stick Sensitivity Resistor Values	27 May 1963
D.S. 490	Pitch Axis Powered Air Launch Analog Studies	24 May 1963
D.S. 491	Abort Vehicle Digital Air Launch Study	17 June 1963
D.S. 492	Sidestick Sensitivity Resistor Values	31 May 1963
D.S. 493	Specification Requirements on Handling Qualities	6 June 1963
D.S. 494	Difference Between and	7 June 1963
D.S. 495	M-H Tool and Instrument Numbering System	10 June 1963
D.S. 496	Tooling Review & Inventory	10 June 1963
D.S. 497	Results of X-20 Pitch Automatic Trim Evaluation	14 June 1963
D.S. 498	Updated Control System Functional Block Diagrams	18 June 1963
D.S. 499	Deviations to D2-7481	25 June 1963
D.S. 500	Reduced Quasi-Elastic Aerodynamic Data for Flight Conditions used in MH Evaluation Studies	25 June 1963

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D.S. 501	Boeing-Honeywell TCM Minutes, June 18 & 19, 1963	27 June 1963
D.S. 502	Transmittal of PR2546-24	3 July 1963
D.S. 503	Schedule Chart Revisions	5 July 1963
D.S. 504	Test Document Plan	10 July 1963
D.S. 505	Measurement of Hydraulic Oil Contamination	11 July 1963
D.S. 506	Witnessing of Acceptance Tests	15 July 1963
D.S. 507	Quarterly FCSE Released Drawings, Schematics and Specifications Report 2546-TR19A - P.O. Item No. 1.1.1.1	15 July 1963
D.S. 508	Discussion of Recommended Changes in the Pilot Selectable Fixed Gain (PSFG) Mode	23 July 1963
D.S. 509	June 18 & 19 TCM Minutes (Corrected)	23 July 1963
D.S. 510	Evaluation of Pitch & Lateral Quasi-Elastic Aerodynamic Data & Effect of Roll Auto-Trim	23 July 1963
D.S. 511	TR-9 - Telemetry Test Point Tolerances	30 July 1963
D.S. 512	FCSE Trim Rates and Mechanization	6 August 1963
D.S. 513	Addition of Demodulator-Filter to the Output Servos	6 August 1963
D.S. 514	Comments to Boeing Coord. Sheet No. FEP-565	6 August 1963
D.S. 515	Longitudinal Axis Performance Data, Landing Regime	6 August 1963

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DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
D.S. 516	Preliminary Card Tests Procedures for D943649 Servo Malfunction Detector	6 August 1963
D.S. 517	CSL Operation in General and Specifically During Abort	6 August 1963
D.S. 518	Effect of AC Ripple from Outputs of Demod-Amps on Auto Trim Switching Circuitry	14 August 1963
D.S. 519	Test Data Sheets for Qual & Acceptance Test Procedures	21 August 1963
D.S. 520	Contamination Control of Hydraulic Oil Used to Operate the Dyna Soar Load Simulator	23 August 1963
D.S. 521	IGS-FCSE Phasing	23 August 1963
D.S. 522	Normal Acceleration Gain	29 August 1963
D.S. 523	Reaction Control Switching Amplifiers	10 September 1963
D.S. 524	Implementation of Addition of Jumper Wires to FCSE for RCRS Interface	5 September 1963
D.S. 525	Glider Alone Air Launch	6 September 1963
D.S. 526	Position Servo Loop Demodulator-Amplifier Frequency Response	6 September 1963
D.S. 527	Honeywell Aero Report 2546-TR9, Revision I	6 September 1963
D.S. 528	Evaluation of Aeroelastic Effects on Abort Longitudinal Recoveries (Confidential)	6 September 1963
D.S. 529	Signal Control Assembly - Surface Pitch Engineering Specification	9 September 1963

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D.S. 530	BITE Power Rating	10 September 1963
D.S. 531	Sample Data Sheets	10 September 1963
D.S. 532	Acceptance Test Results	10 September 1963
D.S. 533	Acceptance Test Requirements, Aero Document R-ED 1382	13 September 1963
D.S. 534	C9450AWL Schematic Diagram Switching Amp. Regulator	17 September 1963
D.S. 535	Honeywell Assumptions on CSL Mode	17 September 1963
D.S. 536	Sidestick Sensitivity Resistor Values	17 September 1963
D.S. 537	Addition of Servo Compensation Requirements to D2-7483-1	19 September 1963
D.S. 538	Honeywell Aero Report 2546-TR9, Revision I	18 September 1963
D.S. 539	SK 83436, Yaw Manual Flight Control System for YG368B1A	19 September 1963
D.S. 540	PERT, P-9 Chart and Performance and Delivery Schedules	20 September 1963
D.S. 541	Excitation of Primary Servo Transducers	23 September 1963
D.S. 542	Switching Logic Technical Development Specification	23 September 1963
D.S. 543	R/C Switching Amplifier System Level Test Points	23 September 1963
D.S. 544	Telemetry Test Point Tolerances	25 September 1963
D.S. 545	Boeing Failure Report #053074, dated August 22, 1963 Log Item 458	3 October 1963

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D.S. 546	TR 84-3346 Yaw Manual Flight Control System for Y0360B1A	8 October 1963
D.S. 547	September Technical Coordination Meeting	11 October 1963
D.S. 548	Boeing/Honeywell TCM Minutes	15 October 1963
D.S. 549	Acceptance Test Procedures, Aero Document R-ED 1219	17 October 1963
D.S. 550C	Acceptance Test Procedures, Aero Documents R-ED 1383, D4, 85	17 October 1963
D.S. 551A	Quarterly FCSE Released Drawings Schematics & Spec Report 2546-TR15B - P.O. Item 1.1.11	15 October 1963
D.S. 552	Test Data Sheets for Qual & Acceptance Test Procedures	20 October 1963
D.S. 553	Pilot's Compartment Environment	21 October 1963
D.S. 554	Comments to Minutes of Coordination Meeting	29 October 1963
D.S. 555	Firm Cooling Gas Requirements - Interim	29 October 1963
D.S. 556	CSL Curve Layout and Negative CSL Limit	29 October 1963
D.S. 557	FCSE Computer Outline Drawing	30 October 1963
D.S. 558	Updating of Honeywell Aero Report 2546-TR15 (FCSE Analysis Report)	30 October 1963
D.S. 559	Qual. Test Requirements Aero Document R-ED 1236	1 November 1963
D.S. 560C	FCSE Component Orientation	1 November 1963

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D.S. 561	Engineering Specifications	1 November 1963
D.S. 562	FCSE Computer Cooling Air	4 November 1963
D.S. 563	Preliminary Review of Boeing Report "Guidance & Control Development Model Test Results"	4 November 1963
D.S. 564	Comments on Boeing Abort Simulation	4 November 1963
D.S. 565	FCSE Computer Cooling Air Inlet Location	11 November 1963
D.S. 566	Honeywell Comment on Modified Tech Lab FCSE Operational Status	13 November 1963
D.S. 567	Preliminary Report on Lateral Piloted Handling Quality Problems (Confidential)	12 November 1963
D.S. 568	Accountable Tooling, Special Tooling Test Equipment	15 November 1963
D.S. 569	Acceptance Test Results	20 November 1963
D.S. 570	Comments on X-20 2050E Flight Conditions for Aeroservoelastic Analysis (u) (Confidential)	21 November 1963
D.S. 571	Sidestick Sensitivity Resistor Values	21 November 1963
D.S. 572	Transmittal of Analog Response Traces	22 November 1963
D.S. 573	FCSE Computer Outline Drawing	27 November 1963
D.S. 574	Acceptance Test Requirements Revision Aero Document R-ED 1382-1	27 November 1963

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D.S. 575	Qualification Test Procedures Aero Documents R-ED 1237 and R-ED 1240	27 November 1963
D.S. 576	FCSE Reliability	6 December 1963
D.S. 577	Prints 951658 & 951649	11 December 1963
D.S. 578	System Level Test Points 472, 475, 526 & 529	11 December 1963
D.S. 579	Actuator Wiring Changes	12 December 1963
D.S. 580	Description of Honeywell Digital 6° of Freedom Simulation	16 December 1963
D.S. 581	Evaluation of the Effect of Lateral Disturbance on Abort Recoveries	10 January 1964
D.S. 582	Qualification Test Requirements	10 January 1964

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(Accessory Power Unit)

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<p>DSR 2, 10</p> <p>DSR 10-13</p> <p>37 DSR 62 and Revisions, 18 Reports</p>	<p>ALTERNATOR (WESTINGHOUSE OPERATOR)</p> <p>Hydrogen Seal Test</p> <p>BAR CHARTS - PROGRAM SUMMARY</p> <p>Revised Detailed Development Test Plan</p>	
<p>DSR 11, 12</p> <p>DSR 5 thru 12, and 19</p> <p>DSR 4 thru 12, and 19</p> <p>DSR 19</p> <p>DSR 12 thru 21</p> <p>DSR 22</p> <p>DSR 12, 17, 19</p> <p>DSR 3, 12</p> <p>DSR 2</p> <p>DSR 13, 18, 22 and 23</p> <p>DSR 16, 17</p> <p>DSR 13</p>	<p>COMBUSTOR - REACTION CHAMBER</p> <p>Bed Temperature Distribution Charts</p> <p>Catalyst Testing (Loss and Life)</p> <p>Catalyst Configuration Testing</p> <p>Catalyst Activity Summary</p> <p>Catalyst Test Summaries</p> <p>Catalyst Poisoning</p> <p>Catalyst Pellet Picture</p> <p>Catalyst Screen Testing</p> <p>Combustor Testing</p> <p>Initial Tests</p> <p>Containment</p> <p>Thermal Response Tests</p> <p>Vibration Tests</p>	

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DSR 11, 12, 14, 15, 20 DSR 6, 7 DSR 6, 14, 15 DSR 17, 20, 23 DSR 18 DSR 18 DSR 11, 17 DSR 22 DSR 22, 23 DSR 3, 14 DSR 14, 15	Combustor Testing (Continued) Low Temperature Operation Torch Igniter Tests Valve Sequencing Start Tests Combustion Efficiency Data & Test Error Analysis Combustor Simulation Change Combustor Redesign & Layout Deposition of Palladium Catalyst Flame Front Stabilization Study "Flashback" Effects on Catalyst Activity & Life Initial Temperature Control Testing Qualification Combustor Layout Design Analysis Reports APU Thermo Dynamic System Analysis	
24 DER 63, 1st and 2nd Addendums DSR 4 DSR 7 DSR 5	CONTROLLER (AUXILIARY POWER UNITS) 876 Controller Breadboard Tests Package Tests 876A Package	

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DSR 16, 19	Package Photographs Test Summaries	
DSR 16, 18	876B	
DSR 16	Test Data	
DSR 16, 20	Package Photographs Test Summaries	
DSR 16, 20, 21	876B1	
DSR 16, 17, 20	Design Changes Test Data	
DSR 22	876C and 876C1	
DSR 23	Design Concepts	
DSR 23	Design Changes Package Photographs	
DSR 16, 20	General	
DSR 17	"Unexplained" Shutdowns Transistor Lead Stress and Failure	
31 DER 62, Vol. I and Addendum	Design Analysis Reports Control System	
31 DER 62, Vol. II Revs. A and B	Control System	

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<p>DSR 11 DSR 19 DSR 13 DSR 13 DSR 7 DSR 10, 11, 12 DSR 10 DSR 5, 6, 9 thru 15, 17, 18 DSR 4, 5, 11, 12, 19 and 20 DSR 20 DSR 20, 23 DSR 19 DSR 22 DSR 16, 18, 19 DSR 13 DSR 13 23-DER-62, Revs. A&B</p>	<p>GEARBOX Attitude Test Data Accumulator Diaphragm Test Blocked Lubrication System Tests Case Pressure Design Requirements Endurance Test High Speed Bearings High Speed Seal Test Heat Rejection Tests Hydrogen Relief Valve Testing Lubrication System Evaluation Mounting Link Testing Review of Gearbox & Lubrication System Summary of Test Time Servicing of Gearbox Starting Torque Load Test Design Analysis Reports Design Analysis of Dyna-Soar Model 876B Air Vehicle Lubrication System & Cold Plate</p>	

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48-DER-62 41-DER-61 47-DER-63	Design Analysis Reports (Continued) Bearing Design Study Dyna-Soar Dynamic Seal Evaluation Dyna-Soar Project Gearbox Zero "G" Evaluation	
DSR 11 DSR 9 DSR 11, 14, 15 DSR 18 (Appendix) DSR 11, 17 DSR 10 DSR 17 DSR 18 DSR 13, 17 DSR 14, 15 DSR 16, 17 DSR 18 (Appendix) DSR 10, 13, 18 DSR 18 DSR 8	HIGH SPEED ASSEMBLY (TURBINE) Accelerometer Locations (876A, AFU S/N 003) Blade Natural Frequency Calculations Bearing Life Analysis Bucket Shedding Analysis Bucket Shedding Tests Critical Speeds Configuration "Q" Design Point Data Configuration "Q" Performance (Off Design) Containment Tests Dynamic Braking Unit Pictures Dynamic Braking Test Results Fluid Film Bearing Study High Speed Bearings High Speed Seal Tests Lubrication System Performance	

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DER 20	Model 876A S/N 003 Pictures	
DER 8	Nozzle Cascade Tests	
DER 18 (Appendix)	Rene' 41 Investigation	
DSR 5	Selfcontainment Analysis	
DSR 6	S/N 001 Model 876 Assembly & Checkout, Procedures, Pictures, and Testing	
DSR 14, 15	S/N 001 Model 876 Failure Analysis	
DSR 11	S/N 004 and S/N 005 Pictures (After Failure)	
DSR 5	SHC and SOC Test Data (Initial)	
DSR 8	Titanium Wheel Evaluation	
DSR 6, 8, 9	Turbine Blade Frequency	
DSR 10, 11, 17	Vibration Evaluation Tests	
DSR 7	Wheel Stresses	
24-DER-62, Revs. A, B, C	Wheel Vibration Analysis (Resonant Frequencies)	
43-DER-63	Design Analysis Reports	
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22-DEB-62	Metallurgical Engineering Report of Rene' 41 Integral Shaft Turbine Wheel Forging	
43-DEB-61	Metallurgical Engineering Report for Material Selection, 876 Turbine Wheel	
44-DEB-61	Metallurgical Engineering Report, Literature Study of Hydrogen Embrittlement of Titanium	
47-DEB-61	Metallurgical Investigation of Model 871 and 871A Turbine Wheel Failures	
5-DEB-62	Metallurgical Engineering Report of Rene' 41 Integral Shaft Forging for Model 871A	
11-DEB-62	The Effect of Hydrogen on Mechanical Properties of B12 OVCA Titanium Alloy	
12-DEB-62	Metallurgical Investigation & Analysis of Turbine Wheel Failure, Dyna-Soar 876 APU S/N 001	
21-DEB-62	Analysis of Failure of Turbine Wheel in Dyna-Soar APU Model 876 APU S/N 001	
26-DEB-63	Report on the Development of Procedures for Electropolishing High Nickel Alloy Turbine Blades	
48-DEB-63	Summary & Results of X-20 APU Turbine Blade Redesign Effort	
50-DEB-63	X-20 Turbine Wheel Controlled Bucket	
56-DEB-63	Resonant Frequency of Vibration for Complex Turbine Powered Packages with Environmental Excitation	
62-DEB-63	X-20 Turbine Failure Analysis	

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31-DER-62, Vol. III, Revs. A, B, C	MECHANICAL INTEGRATION STUDY	
DSR 23 DSR 16 thru 22 952-381-1 952-381-2 952-381-3	PERFORMANCE CHARTS Performance Reports (SHC and SOC) 1st Report 2nd Report Development Summary Report	
DSR 18 DSR 18	PREHEATER Fabrication Problems Layout	

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DSR 16	Predicted Performance	
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	Test Data	
24-DER-63, 1st and 2nd Addendums	Design Analysis Reports	
	APU Thermo Dynamic System Analysis	
	PUMP - HYDRAULIC	
DSR 9	Acceptance Testing of P38C2 Pumps	
DSR 16, 17, 18	Accumulated Test Time	
DSR 1, 2, 3	Breadboard Pressure Control Testing	
DSR 10, 11	Discrepancy Reporting	
DSR 23	Discrepancy Report Solutions	
DSR 1, 2	Dry Shaft Seal Tests	
DSR 4	Development Tests	
DSR 1, 2, 7	Horsepower Losses	
DSR 7	Proof Pressure Tests	
DSR 14, 15, 16	Qualification Test Summary	
DSR 7	Response Time Tests	
DSR 13	Test Summary	

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DOCUMENT NUMBER	DOCUMENT TITLE	
DSR 8 DSR 5 BPAJ-866-14698	PUMP - HYDRAULIC (Continued) Temperature Compensation Test Tests to Prove Design Capabilities of P38C1 Pumps Qualification Test Reports Phase I and II Phase III and IV Phase V Phase VI and VII	
DSR 18, 19, 20, 23 DSR 18 DSR 13 DSR 16 DSR 17 DSR 9 DSR 12 DSR 8 DSR 9, 10	REGENERATOR Containment Tests Detonation Test Fin Performance Study Performance Map Pictures (8 Tube - 2 Pass) Pressure Drop Calculations Regenerator Selection Study Testing Initial Simulated APU-Regenerator	

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DSR 9 DSR 12, 14, 15 and 17 DSR 17, 18, 20 DSR 20	Testing (Continued) Standard Thompson Regenerator 5 Tube - 2 Pass 8 Tube - 2 Pass and Bypass Loop Vibration Analysis	
24-DER-63, 1st & 2nd Addendums 55-DER-63	Design Analysis Reports APU Thermodynamic System Analysis A Method for Chemical Cleaning of the X-20 Aluminum Heat Exchanger	
DSR 9 DSR 21 DSR 8 DSR 23 DSR 22 DSR 16, 17, 18, 21 DSR 19 DSR 9 DSR 7	SYSTEM ANALYSIS AND TEST Analysis of Turbine Wheel (Low Temperature Shock) Combustor "Flashback" Investigation Combustor-Controller Subsystems Test Component Accumulative Run Time Dual Temperature Probe Control Loop Analysis and Test Compensation of the Temperature Control Loops Change to Turbine Inlet Temperature Control Control Loop Evaluation (Speed vs. Temperature) Gearbox Vibration Evaluation	

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DSR 14, 15 DSR 18 DSR 17	SYSTEM ANALYSIS AND TEST (Continued) IBM Turbine Performance Program Results Off Design Program Results Pressure Drop Investigation Results Predicted Performance	
DSR 17 DSR 14, 15, 18 DSR 11 DSR 16, 18	Sea Level Analog Computer Results IBM Program Results (Altitude & Sea Level) Panoramic Analyzer, Vibration Spectrum Data Programmed Start Tests Problem Areas	
DSR 16, 18 DSR 23 DSR 11, 13	Development Problems (System Analysis) Test Problems Remaining Upon Receipt of Stop Work Order Specific Fuel Consumption Data	
DSR 4 DSR 5 DSR 10, 11, 12 DSR 18, 19 DSR 12 thru 20, and 23 DSR 12 thru 20 DSR 13 thru 17	System Test Results Initial System Testing (871 APU) Initial 876 APU Testing Initial 876A Testing APU Subsystem - ECS Simulator Testing S/N 003 Run Data S/N 004 Run Data S/N 005 Run Data	

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DSR 18 thru 21 DSR 19, 20, 23 DSR 21, 23 DSR 20, 21, 23 DSR 22 DSR 23	System Test Results (Continued) S/N 006 Run Data S/N 007 Run Data S/N 008 Run Data S/N 009 Run Data Summary of APU System Test Results Qualification S/N 001 Acceptance Testing Design Analysis Reports Control System Turbine Performance Analysis Reports 1st Report, August 1, 1963 2nd Report, September 27, 1963 Final Report, November 4, 1963 TACHOMETER GENERATOR Breadboard Tests 50 Watt - 5 Winding Tests 75 Watt Tests 130 Volt Winding Inclusion Change to Three-Phase Tach	
31-DER-62, Vol. I & Addendum 952-381-1 952-381-2 952-381-3		
DSR 3 DSR 4 DSR 4 DSR 18 DSR 19		

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<p>DSR 22 DSR 22 31-DER-62, Vol. III, Revs. A, B, C</p>	<p>TACHOMETER GENERATOR (Continued) Top-Stick Failures Completion of Life Test Design Analysis Reports Control System</p>	
<p>DSR 20 thru 23 DSR 14, 15 DSR 23</p>	<p>TEMPERATURE PROBES (ROSEMOUNT & WINSKO) Failures Occurring During Test Response Test (Rosemount 176AR) Resistance Drift Vs. Time and Temperature</p>	
<p>31-DER-62, Vol. III, Revs. A, B, C DSR 23 31-DER-62, Vol. III, Rev. C</p>	<p>Design Analysis Reports Control System TEST SETS A, B, AND C Design Analysis Reports Control System</p>	

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<p>VALVE MODULES - PARKER</p> <p>DSR 17, 18, 19 DSR 5 DSR 10 DSR 7, 9 DSR 17, 18 DSR 19 DSR 20, 21 DSR 22, 23 DSR 18 DSR 17 DSR 1, 4, 23 DSR 19 DSR 19, 21 DSR 10 DSR 17 DSR 21 DSR 9 DSR 16, 17, 18 DSR 18 DSR 17, 20</p>	<p>Backup Valve System Tests (Mechanically Linked Servos) Breadboard Valve and Controller Tests (876) Bypass Valve Stability Frequency Response Tests Hydrogen Referenced Oxygen Regulator Hydrogen Pressure Switch Endurance Test Hydrogen Shutoff Valve Endurance Test High Temperature Hydrogen Servo Valve Instability Low Temperature Shutoff Valve Tests Modified Servo Valve Flow Envelopes Mylar Diaphragm Tests Mylar Gasket Seal Mylar Diaphragm Design Data Oxygen Regulator Temperature Compensation Oxygen Servo Poppet Assembly Study Oxygen Shutoff Valve Endurance Test Parker Deviation Requests Prototype "B" Module Tests Parker Reliability Analysis Summary Servo Seal Study Results</p>	

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<p>DSR 10 DSR 13, 23 DSR 21 DSR 10 DSR 11, 20 DSR 20 DSR 23</p>	<p>VALVE MODULES - PARKER (Continued)</p> <p>Servo Valve Pressure Gains Shutoff Valve Lip Seal Stresses Torque Motor Thermal Null Shifting Shutoff Valve Coil Resistance Vs. Temperature Valve Module Pictures Valve Mounting Bracket Stress Analysis Qualification Test Results</p> <p>Design Analysis Reports A Design Analysis of the Parker Valve System for Dyna-Soar Model 876 APU Parker Design Analysis Reports</p>	
<p>27-DER-62 86201899, Reva. A thru D</p> <p>DSR 2, 11</p> <p>31-DER-62, Vol. III, Revs. A, B, C</p> <p>42-DER-61</p> <p>29-DER-62</p>	<p>MISCELLANEOUS CONTENT</p> <p>Cold Plate Test Data (ED 5899 Testing)</p> <p>Design Analysis Reports Control System</p> <p>Preliminary Organic Material Study for Dyna-Soar Compilation of Physical and Chemical Properties of GG-130 Synthetic Lubricant</p>	

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8.0 THICKOL CHEMICAL CORPORATION DOCUMENTS
(Acceleration Rocket Motor)

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DS-004E	Component Performance Test Plan	3-27-63
DS-005F	Component Environmental and Load Factor Test Plan	4-18-63
DS-010	Staging Test Plan	7-20-61
DS-013F	Tooling Requirement Plan	3-26-63
DS-016B	Tooling Identification and Control	6-11-62
DS-018B	Integrated Records System	6-15-62
DS-020A	GSE Recommendations	4-17-62
DS-025	Weight Program Plan	8-6-63
DS-026A	Design Description and Approval Plan	10-11-63
DS-066A	Interdivisional Work Order Plan	7-7-61
DS-067	Procurement and Vendor Control Plan	6-6-61
DS-111B	Manufacturing Standard, XM-92 Rocket Motor	12-16-63
DS-201	Estimated Hydraulic Actuator Torque Requirements Acceleration Rocket Motor	5-18-61
DSK-203A	Propellant Explosive Classification Data	10-18-62
DS-210A	Maintenance Analysis	1-9-62
DS-211-1	Regression Acceptance Plan	1-19-62

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DS-211-2	Mathematica Report, Regression Acceptance Plans	1-19-62
DS-211-3	Rocket Motor Firing Data used in Mathematica Statistical Analyses	1-19-62
DS-212	Training Recommendations	3-9-62
DS-213	Description and Cost of Special Handling and Test Tooling Dyna-Soar Acceleration Rocket Motor	12-6-61
DS-216	Maintainability Data	2-23-62
DS-217	Cost Reduction Plan	9-3-63
DS-221	Cost Savings Plan	9-3-63
DS-512	Test No. DN-2	
DS-513	Test No. DI-175	
DS-514	Test No. DN-1	
DS-515	Test No. DN-3	
DS-516	Test No. DN-11	
DS-517	Test No. DI-176	
DS-518	Test No. DN-4	
DS-519	Test No. D.1.1.1	
DS-520	Test No. DN-5	
DS-521B	Report of Component Performance and Component Environmental & Load Factor Tests of Propellant Liner, Adhesive & Insulation Materials	1-24-64

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DS-522	Test No. D.1.2	
DS-523	Test No. D.1.4	
DS-524	Test No. D.2.13	
DS-525	Test No. DI-177	
DS-526	Test No. DN-12	
DS-527	Test No. DN-12	
DS-528	Test No. DN-6	
DS-529	Test No. DN-7	
DS-530	Test No. D.1.11	
DS-531	Test No. D.1.3	
DS-532	Test No. DN-14	
DS-533	Test No. DN-15	
DS-534	Test No. DN-16	
DS-535	Test No. D.1.9	
DS-536	Test No. DN-13	
DS-537	Test No. D.1.8	
DS-538	Test No. D.1.6	

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DS-539	Test No. D. 3. 4	
DS-540	Test No. D. 2. 10	
DS-541	Test No. D. 2. 4	
DS-542	Test No. D. 2. 3	
DS-543	Test No. D. 2. 6	
DS-544	Test No. D. 2. 7	
DS-545	Test No. D. 2. 8	
DS-546	Test No. D. 3. 6	
DS-547	Test No. D. 2. 1	
DS-548	Test No. D. 1. 10	
DS-549	Test No. D. 2. 11	
DS-550	Test No. D. 2. 5	
DS-551	Test No. D. 3. 5	
DS-552	Test No. D. 2. 15	
DS-553	Test No. D. 3. 2	
DS-554	Test No. DN-17	
DS-555	Test No. DN-18	

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DS-556	Test No. DN-19	
DS-557	Test No. D. 0. 1	
DS-558	Test No. D. 2. 9	
DS-559	Test No. D. 2. 12	
14299	Development Vibration Testing of Thiokol TE-400 Motor Assembly S/N 1031 (Wyle Lab. Reports)	Rev: 8-14-63
14299-1	Live Motor Vibration Testing of TE-400 Rocket Motor Assembly Test D. 2. 15, Assembly S/N 1023 (Wyle Lab. Reports)	Rev: 8-14-63
14299-2	Live Motor Vibration, Testing TE-400 Motor Assembly, Test D: 3. 2, Assembly S/N 1037 (Wyle Lab. Reports)	Rev: 8-14-63
DSO/2296	Technical Service Recommendation	3-9-62
DSO/4223	Thermal Gradient Test to Induce Cracking in Smallest Nozzle Exit Cone Graphite Ring	10-29-62
DSO/4324	Structural Testing of Acceleration Rocket Motor Fixed Nozzle Graphite Insulation	11-12-62
DSO/4373	Evaluation of the Relative Thermal Degradation of Candidate Materials for the Expansion Ring in the TE-400 Acceleration Rocket Motor Nozzle Exit Cone	11-19-62
DSO/4374	Compressibility Determination for Candidate Thermal Expansion Gasket Material, Armstrong DK-149	11-19-62

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DSO/4527	A Thermal Gradient Test to Induce Cracking in the Smallest Nozzle Exit Cone Graphite Ring with Holes and Grooves in it	12-10-62
DSO/5022	Technical Memorandum, Pressure Testing of Smaller Graphite Ring of TE-400 Rocket Motor Nozzle Exit Cone	2-14-63
DSO/5297	Technical Memorandum, Pressure Testing of the Graphite Ring Two-Pack used in the TE-400 Rocket Motor Nozzle Exit Cone	3-22-63
DSO/5349	Change in ARM Liner Formulation	4-3-63
DSO/5364	Numerical Criteria for Analysis of XM-92 Nozzle Interface Pressure	4-4-63
DSO/6090	Ignition Time, XM-92 Motor	7-24-63
DSO/6137	Information Resulting from Heat Transfer Analysis of Tape-Wrapped Support Graphite in Place of Graphite	8-1-63
DSO/6274	Spare Recommendations	8-26-63
ECP-500A	Procedure for Evaluation of Ballistic Generated by the Five-Point Firing Pattern	2- -64
EI-3	Instruction Manual for Handling, Packaging, and Arming Thiokol Chemical Corporation Rocket Motor Models TE-402-5 and TE-402-6	1-23-63
EI-5	Removal and Installation Instructions Manual for Packaging Thiokol Chemical Corporation Rocket Motor Model TE-400	4-1-63
EI-7	Operating Instructions - Test Console UT-10B (for Testing Dyna Soar Igniter Safe and Arm Mechanism 506-0002, SN 0001 thru 0015)	6-11-63

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EI-8 A	Instructions for Calibration and Adjustment of Boeing-Supplied (Bendix) Actuators, XM-92 ARM	4-29-63
EI-9	Test Console UT-10B for Testing Dyna Soar Igniter Safe and Arm Mechanism 506-0002, S/N 0016 and UP	Rev: 8-12-63
EI-15	Optical Alignment and Calibration of TE-400 (XM-92) Thrust Vector Control Nozzles	8-28-63
EI-16	Weight and Center of Gravity Determination for the TE-400 (XM-92) Rocket Motor	10-21-63
ES-PR-21F	Standard for Propellant, Rocket, TP-H-1050, in the TE-400 and TE-401 Rocket Motors	1-31-64
ES-PR-26A	Standard for Adhesive, Polysulfide-Epoxy, Type TA-L-308 used in TE-400 and TE-401 Rocket Motors	5-20-63
ES-PR-27A	Standard for Adhesive, Polyamide-Epoxy, Type TA-D-300 used in TE-400 and TE-401 Rocket Motors	5-20-63
ES-PR-28B	Standard for Adhesive, Polysulfide-Epoxy, Type TA-L-311 used in TE-400 Rocket Motors	8-2-63
ES-PR-29A	Standard for Adhesive, Polysulfide, Type TA-L-309 used in TE-400 Rocket Motors	5-20-63
ES-PR-31A	Standard for Adhesive, Polysulfide-Epoxy, Type TA-L-314 used in TE-400 Rocket Motors	5-20-63
ES-PR-32A	Standard for Insulation, Polysulfide-Epoxy, Type TI-D-303 used in TE-400 Rocket Motors	5-20-63

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ES-PR-33A	Standard for Adhesive, Polysulfide-Epoxy, Type TA-D-303 used in TE-400 Rocket Motors	5-20-63
ES-PR-36	Standard for Liner, Polybutadiene-Acrylic Acid, Type TL-H-304 Carboxyl Terminated used in TE-400 and TE-401 Rocket Motors	8-2-63
ES-PR-37	Standard for Slivers, Phenolic-Epoxy, Type TI-D-304 used in TE-400 Rocket Motors	8-8-63
ESP-7	Specification for Adhesive, TA-L-314	4-18-63
ESP-8	Specification for Adhesive, TA-D-300	4-18-63
ESP-9	Specification for Adhesive, TA-D-303	4-18-63
ESP-10	Specification for Insulation, TI-D-303	4-18-63
ESP-12	Specification for Adhesive, TA-L-308	4-18-63
ESP-13	Specification for Adhesive, TA-L-309	4-18-63
ESP-14	Specification for Adhesive, TA-L-311	4-18-63
ESP-15	Specification for Propellant, Solid, Rocket TP-H-1050	7-16-63
ESP-16	Slivers, Phenolic-Epoxy, Types TI-D-300 and TI-D-304	8-2-63
ESP-18	Specification for Liner Composition TL-H-304	7-12-63
ME 2001 Amend. #2	Forged Tungsten	11-22-63
NE 1001	Graphite, Extruded, High Density	11-26-63

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NE 1002	Insulation, Silica Cloth, Reinforced Molded Phenolic	3-23-62
NE 1003 Amend. #1	Laminate, Epoxy Resin, Glass Cloth	8-22-63
NE 1004 Amend. #1	Laminate, Phenolic Resin, Silica Cloth Reinforced	Rev: 8-5-63
NE-1008	Insulation, Vitreous Silica Fiber, Reinforced, Molded Buna-N Phenolic	7-31-62
NE 1015	Insulation, Carbon Fiber Reinforced, Molded Buna-N Phenolic	Rev: 3-12-63
P10001	Identification and Marking of Parts and Assemblies	Rev: 8-29-63
P12001	Surface Preparation of Nozzle Components for Adhesive Bonding	3-23-62
P12002	Passivation of Corrosion and Heat Resistant Alloys	9-13-62
RER-210A (DS-215)	Stress Analysis of XM-92 Motor Case and Aft Closure	8-23-63
RER-218	A Comparison of Action Time Impulse Values for Zero Erosion, A Constant Throat Erosion of 0.001 in/sec. and A Constant Throat Erosion of 0.002 in/sec. of TE-400	5-2-62
RER-231	Report of Hydroburst Test of TE-400 Rocket Motor	6-12-62
RER-242	Failure Analysis of TE-400 Rocket Motor S/N 4013/D. 2. 13 Static Tested 7-26-62	9-5-62
RER-252	TE-400 Modification Study	10-26-62
RER-266	TE-400 Thermal Expansion Gap Determination	12-10-62

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RER-281	Internal Ballistic Report, TE-400	2-12-63
RER-343 (DS-220)	Failure Analysis Report of Hi-Shear Squibs Serial No. 04534 and 04272 during Qualification Testing of Hi-Shear October 19 and 21 1963	11-22-63
RER-347	Dyna Soar Graphite Nozzle Inlet Design Evaluation	12-30-63
Research Summary Report 17-61	Thermodynamic Properties of Dyna Soar Propellant	11-1-61
SE-133, Amend #2	Welding, Intert Gas, Tungsten Arc and Inert Gas Arc with Consumable Electrode	1-25-63
SE-134, Amend #1	Heat Treatment of Steel, Qualification of Equipment and Procedures	4-30-63
SE-136	Material Specification Steel, Alloy, Special High Strength	8-9-61
SE-137, Amend #1	TE-400 Acceleration Rocket Motor Case and Aft Closure	7-24-63
SE-138, Amend #1	Finish, Rocket Motor Aft Closure and Case Metal Parts Assemblies, Protective Coating, Requirements for	Rev: 5-9-63
SE-142, Amend #1	Heat Treatment of SE-136 Steel	10-11-61
SE-143	Hydrostatic Pressure Testing of the TE-400 Acceleration Rocket Motor Case and Aft Closure Assembly	Rev: 7-24-62
SE-146, Amend #1	Containers, Shipping, Rocket Motor, Steel, Reusable	Rev: 10-16-62
SE-147, Amend #2	TE-400 (XM-92) Igniter Safe and Arm Assembly	Rev: 1-10-64

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SE-155, Amend #2	Insulation, Reinforced, Molded Phenolic	8-14-63
SE-156, Amend #1	Insulation, Fiber glass, Reinforced, Molded Phenolic	6-18-62
SE-157, Amend #2	Material Specification Buna-N Rubber Insulation	Rev: 10-18-63
SE-159, Amend #2	Design Requirements for TE-400 Thrust Vector Control and Fixed Nozzles	10-11-61
SE-160	TE-400 Thrust Vector Control and Fixed Nozzles, Manufacturing Requirements	Rev: 10-23-63
SE-162	Arresting Device, Design and Fabrication General Requirements for	10-2-61
SE-165	Servo Actuator, Electro-Hydraulic, General Requirements for	10-13-61
SE-166	Hydraulic Power Source, General Requirements for	12-1-61
SE-167	Manufacture and Engineering Evaluation Testing, 1 Amp, L Watt No-Fire Squib, TE-400 (XM-92) Rocket Motor	Rev: 11-19-63
SE-168, Amend #2	Multicomponent Thrust Stand	3-21-62
SE-169	Acoustic Noise Test System	10-10-61
SE-170, Amend #2	Horizontal Axial Thrust Stand	3-21-62
SE-172,	O-Rings, Critical, Procurement of	Rev: 6-19-63
SE-178	Calibration and Certification of Measuring and Testing Equipment	1-5-62
SE-187	Asbestos-Base Phenolic Resin Molding Compound (R/M Style 150-RPD)	1-23-62

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SE-191, Amend #1	Squib, 1 Watt No-Fire TE-400 (XM-92) Rocket Motor	10-18-62
SE-200	Thrust Vector Command Signal and Monitoring Unit	8-7-62
TR-400-1B Amend #2	Vibration Test, TE-400 Acceleration Rocket Motor	2-8-63 5-9-63
TR-400-9	Rough Road Test, TE-400 (XM-92) Acceleration Rocket Motor	11-9-62
TR-400-10	Sinusoidal Survey and Endurance Vibration Test, Aft Closure Assembly, TE-400 Acceleration Rocket Motor	7-2-62
TR-400-11	Vibration Characterization Tests, Thrust Vector Control Nozzle TE-400 Acceleration Rocket Motor	7-16-62
TR-400-13A	Vibration Test, (Natural Frequency and Moment of Inertia Determination) TE-400 (XM-92) Thrust Vector Control Nozzle	11-18-63
TR-400-14	Sand and Dust Test, TE-400 (XM-92), Thrust Vector Control Nozzle	1-4-63
TR-400-15	Salt Spray Test, TE-400 (XM-92), Thrust Vector Control Nozzle	1-4-63
TR-400-19	Salt Spray Test, TE-400 Aft Closure Assembly	3-11-63
TR-400-20	Sand and Dust Test, TE-400 Aft Closure Assembly	3-1-63
TR-401-12, Amend #2	Vibration Characterization Test, TE-401 Ignition System	4-1-63
TR-401-16	Sand and Dust Test, TE-401, Ignition System	1-4-63
TR-401-17	Salt Spray Test, TE-401, Ignition System	1-4-63
TR-401-22	Vibration Test, TE-401, Safe-and-Arm Device	6-10-63

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THOMPSON-RAMO-WOOLDRIDGE DOCUMENTS

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	Weight and Balance Report	February 1962
	Heat Transfer Analysis Study	January 1962
ER-4444-10	Analog Simulation Data	March 1962
ER-4690	Final Progress Report	March 1962
ER-4694-2	Maintenance Analysis	March 1962
ER-4700-4	Quarterly Report - Electrical Power Requirements	March 1962
ER-4705	Final Development Test Status Reports	March 1962
ER-4744	Final Design Report - Supercritical Propellants	December 1961
ER-4770	Maintainability Data	January 1962
ER-4832	Failure Mode and Effort Analysis	February 1962
REL-82	Wide Range Analog Computer Simulation	March 1962
TM-2959-93	Mean-Time Between Failure Data	December 1961
TM-2973-93	Purging Investigation	June 1961
TM-2990-93	Simulation of Pneumatic Power	June 1961
TM-2992-67	Acceptance Test Plan	October 1961
	Material Recommendations	June 1961

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MAJOR SUBCONTRACTOR THOMPSON-RAMO-WOOLDRIDGE

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
TM-2995-93	Heat Loss from Gas Generator	July 1961
TM-3000-93	Design Development Test Plan	February 19, 1962
TM-3062-93	Thrust Nozzles	August 1961
TM-3092-93	Cavitating Venturis	September 1961
TM-3132-93	Qualification Test Plan	October 1961
TM-3135-93	Cavitating Venturi Liquid O ₂	October 1961
TM-3170-93	Weight and Balance Analysis	November 1961
TM-3193-93	Cavitating Venturi Hydrogen	November 1961
TM-3245-93	Failure Rate Analysis	January 1962
TM-3242-93	AGE Recommendations	December 1961

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10.0 WESTINGHOUSE ELECTRIC CORPORATION DOCUMENTS
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MAJOR SUBCONTRACTOR WESTINGHOUSE ELECTRIC CORPORATION

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
	<p>Stress Analysis - Generator</p> <p>Packaging Selection Analysis - Generator</p> <p>Tabulated Summary of Stresses - Generator</p> <p>Manufacturing Process Specifications - Generator</p> <p>Control of Manufacturing Processes - Generator</p> <p>Stress Analysis - Voltage Regulator</p> <p>Packaging Selection Analysis - Voltage Regulator</p> <p>Tabulated Summary of Stresses - Voltage Regulator</p> <p>Manufacturing Process Specifications - Voltage Regulator</p> <p>Control of Manufacturing Processes - Voltage Regulator</p> <p>Reliability Reports for the Voltage Regulator</p> <p>Weight and Balance Reports (Monthly)</p> <p>Maintenance Analysis</p> <p>Training Recommendations</p> <p>Technical Service Recommendations</p>	<p>July 1963 (Last Report)</p> <p>January 10, 1962</p> <p>January 1962</p> <p>February 1962</p>

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MAJOR SUBCONTRACTOR WESTINGHOUSE ELECTRIC CORPORATION

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
	Technical Support Data	June 1, 1962
	Reliability Program Plan	February 25, 1963
	Reliability Demonstration Plan	August 27, 1963
	Reliability Analysis for Generator	November 1963
	Reliability Analysis for P. C. Board	June 17, 1963
	Qualification Test Status Reports (Numbers 1 - 14)	September 1962 - December 1963
	Final Qualification Test Reports and Current Trans.	April 4, 1963
	Preliminary Qualification Test Data for Generator (Efficiency Test)	December 26, 1963
	Preliminary Qualification Test Data for Voltage Regulator (Efficiency Test)	December 26, 1963
	List of Special Tools and Test Equipment Used on Generator	November 19, 1963
	Verification Test Report for the Dyna-Soar 12 KVA Generator	May 1963
	X-20 (Dyna-Soar) Glider Pre-prototype Electrical System Verification Test Report	January 1963
	The X-20 (Dyna-Soar) Glider Electric Power System (Paper)	September 1962
	Safety Engineering of Electric Power Systems (Paper)	June 20, 1963

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MAJOR SUBCONTRACTOR WESTINGHOUSE ELECTRIC CORPORATION

DOCUMENT NUMBER	DOCUMENT TITLE	RELEASE DATE
	Monthly Progress and Technical Reports	September 1961 - December 1963
1368	AGE Recommendations	May 1962
2093	Design Development Test Plan	July 1961
B2-040A	Qualification Test Procedure - Voltage Regulator	May 17, 1963
B2-041B	Qualification Test Procedure - Control Panel	May 21, 1963
B2-042	Qualification Test Procedure - Current Transformer	
B2-043	Qualification Test Procedure - Circuit Breaker	
D-709365	Design Specification for Electrical Apparatus Test Set	April 30, 1963
M2-038	Qualification Test Procedure - Generator	
M2-039A	Qualification Test Procedure - Generator Assembly	
TS 673812	Acceptance Test Procedure - Circuit Breaker	
TS 673833	Manufacturing Test for Generator Current Transformer	
TS 673843	Acceptance Test Procedure - Current Transformer	
TS 673850	Acceptance Test Procedure - Generator	October 7, 1963
TS 673853	Acceptance Test Procedure - Test Control Panel	
TS 673868	Acceptance Test Procedure - Voltage Regulator	May 8, 1963

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