

## SHUTTLE SERIES

### STS 51-L DOCUMENTS

Only the first few documents in this subseries are those that are found in most other flight related documents subseries. The press kit, flight plan and flight rules are included, but other than that the bulk of the documentation was created after the accident and geared towards return to flight, reaction to the accident and response to the Presidential Commission investigating the 51-L accident. Also included in this subseries are two videotapes of the 51-L memorial service. This subseries is geared toward looking at only issues related to this flight and its impact on future flights. For information on the investigation proper see the 51-L investigation subseries. Some files about the accident can also be found in the Charlesworth files in the Center collection. The documentation is arranged chronologically and dated from 1984 through 1988 and responding to the "Report off the Presidential Commission on the Space Shuttle Challenger Accident." The video tapes of the memorial service are at the end of the run, in box 6.

### Inventory

**SubHeading:**
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Flight Requirements Document STS 51-L (26) (preliminary), JSC-17462-26	June 15, 1984
Flight Requirements Document STS 51-L (26) JSC 17462-26 Rev. A	Oct. 1984
Flight Requirements Document STS 51-L JSC-17462-51	Feb. 1985
Flight Requirements Document STS 51-L JSC 17462-51L Rev. C	April 1985
Flight Requirements Document STS 51-L JSC 17462-51L, Rev. D	May 1985
Flight Requirements Document STS 51-L JSC 17462-51L Rev. E	July 1985
Flight Data File Crew Activity Plan STS 51-L, JSC 20695	Sept. 18, 1985
Cargo Systems Manual: SPARTAN-203/Halley, STS 51-L, JSC 20616 Orbiter Operations	Oct. 18, 1985
STS Operational Flight Annex JSC 18308, Flight STS 51-L	Dec. 20, 1985
Flight Data File, Crew Activity Plan, STS 51-L, JSC-20695-33	Dec. 23, 1985
Cargo Systems Manual: SPARTAN REM, Rev. A JSC 20575	Dec. 26 1985
Teacher in Space Project, Teacher's Guide	1985
Cargo Systems Manual: SPARTAN-203/Halley STS 51-L Orbital Operations, OCN-1, JSC-20616	Jan. 8, 1986
OV-099 Flight Readiness Review STS 51-L Level III Board Review STS 51-L Level III Board Briefing, Contract NAS9-14000, SSV86-2	Jan 9, 1986
STS 51-L Mission Rules Delta's Centaur and Training Schedule, TDRS/IUS	Jan. 14, 1986
STS 51-L Flight Readiness Review Space Shuttle Main Engine (MSFC)	Jan. 15, 1986
NSTS Program STS 51-L Flight Readiness Review Ground/Flight Systems and Cargo Interaction	Jan. 15, 1986
NSTS, Level II SR & QA Assessment STS 51-L Flight Readiness Review	Jan. 15, 1986
STS Orbiter and GFE Project, JSC, Flight Readiness Review STS 51-L	Jan. 15, 1986
STS Operational Flight Rules Annex, JSC-18308	Jan. 20, 1986
Space Shuttle Mission 51-L Press Kit	Jan. 1986

	Flight Requirements Document STS 51-L, JSC 17462 51-L, Rev. G	Jan. 1986
	STS 51-L Master Switch Configuration Matrix Mission Operations Directorate, Operations Division JSC 20140 51-L	Jan. 1986
	STS 51-L Challenger OV-099 Schedule	Jan. 1986
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	Failure Scenario Team Status STS 51-L Accident Investigation Plan	Feb. 3, 1986
	Statement by the Families of the Crew Space Shuttle Mission 51-L	Feb. 5, 1986
	Failure Scenario Team Status of STS 51-L	Feb. 5, 1986
	STS 51-L Incident Investigation Integrated Timeline, STS Orbiter GFE Projects Office/Flight Data and Analysis Office	Feb. 14, 1986
	STS 51-L, MPS Team LH2 17 inch Disconnect Slow Opening, Propulsion and Power Division	Feb. 14, 1986
	STS 51-L Preliminary Running Loads at Right SRB Station 1491, Load and Structural Dynamics Branch	Feb. 14, 1986
	STS 51-L Flight Operations Team Summary Report	Feb. 18, 1986
	STS 51-L Investigation EH2 Task Results Avionics Systems Division	Feb. 18, 1986
	STS 51-L Incident Investigation Timeline STS Orbiter and GFE Projects Office/Flight Data and Evaluation Office	Feb. 19, 1986
	SRM Leak Growth Scenario, Advanced Program Office	Feb. 20, 1986
	Failure Scenario Team Status Summary Worksheets	Feb. 20, 1984
	STS 51-L Thermal Analysis Tasks, Thermal Branch	Feb. 1986
	STS 51-L Liftoff Loads Assessment External Forces, Vehicle Response, Reconstruction Analysis	Feb. 1986
	Presidential Commission Development and Production Panel, NASA, JSC	March 5, 1986
	Crew Activity Planning	March 11, 1986
	Guidelines for Preparing: Task Team and Working Group Reports for Presidential Commission on the Space Shuttle Challenger Accident	March 14, 1986
	Strategy for Safety Returning the Space Shuttle to Flight Status	March 24, 1986
	Returning Space Shuttle to Flight Status	March 28, 1986
	STS 51-L Incident Report Orbiter, GFE, and Timeline, JSC-22082	March 1986
	STS 51-L Flight Readiness Reassessment Final Report, JSC, Payload/Orbiter Interface Team	March 1986
	STS 51-L Incident Report Integrated Main Propulsion System, JSC 22094	March 1986
	Close Out for STS 51-L Incident Action Items T-2-12-58 and T-2-12-107, STS Throttle Profile Requirements, Predicted Flight Conditions	April 2, 1986
	JSC Orbiter Experiments (OEX) Project, Detailed Assessment of Post-Accident Program Impacts	April 10, 1986

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	<b>Box Number: 3</b>	
	STS 51-L Incident Report, Orbiter and GFE, JSC-22082A	April 1986
	STS 51-L Ascent Environment and Systems Interfaces, JSC-22155	April 1986
	STS 51-L Incident Report Failure Scenario Team, JSC 22156	April 1986
	STS 51-L Incident Report Orbiter and GFE, JSC 22082A	April 1986
	Report on the Upper-Level Wind Conditions Preceding and During the Shuttle Challenger (STS 51-L) Explosion (GSFC)	May 9, 1986
	Summaries of Meetings with the Mission Planning and Operations Panel (MPOP) of the Presidential Commission of the Space Shuttle Challenger Accident	May 15, 1986
	The Space Shuttle Program: A Policy Failure? Logsdon Science Magazine Article	May 30, 1986
	Report of the Presidential Commission on the Space Shuttle Challenger Accident	June 6, 1986
	Time Report: Fixing NASA; A Harsh Report on Challenger Will Spur Debate on NASA's Future	June 9, 1986
	Statement by Dr. Richard Feynman Re: Report of the President's Commission on the Space Shuttle Challenger Accident	June 10, 1986
	Defense Daily: Commission Faults NASA & Morton Thiokol for Shuttle Accident	June 10, 1986
	Failure Modes and Effects Analysis (FMEA) and Critical Items List (CIL) Re-evaluation	June 11, 1986
	Truly Statement on Commission Report	June 11, 1986
	Review of Commission Report on 51-L Accident Before House Committee on Science and Technology, June 10, 1986 Highlights Memo	June 11, 1986
	NY Times Article: Official Explains How He Failed to Prevent Space Shuttle Flights	June 12, 1986
	Recognition of Individuals to Help Assure Flight Safety	June 12, 1986
	Response to Recommendations of the Presidential Commission on the Space Shuttle Challenger Accident, (memo)	June 13, 1986
	Reagan Letter Requesting NASA Response to Rogers Commission Recommendations	June 13, 1986
	Presidential Commission Recommendations, Truly TWX	June 13, 1986
	National Space Transportation System Daily Morning Briefing	June 16, 1986
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	Hollings Wants Blame Fixed for Shuttle Accident, Defense Daily Article	June 18, 1986

	Presidential Commission Recommendations Action Plan, memo	June 20, 1986
	Weekly Activity Reports	June 20, 1986
	Inquiry Faults Shuttle Management, Science Magazine Article	June 20, 1986
	Mixed Fleet for OSSA	June 23, 1986
	NRC Panel on Flight Rates	June 23, 1986
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	PDRS FMEA / CIL Hazards Review Status	June 25, 1986
	Support for Agency Actions to Implement Presidential Commission Recommendations; also, Implementation of (memos)	June 25, 1986
	Memo Regarding Hearing on the Investigation off the Challenger Accident Before the House Committee on Science and Technology, June 25, 1986	June 27, 1986
	Cost Estimate in Ground Rules	June 27, 1986
	Ground Egress, Pad Egress Analysis, HVDS	June 30, 1986
	Bailout Team Briefing	June 30, 1986
	Summary, Escape Systems Concepts Comparisons STS Crew Escape / Egress Activities	June 30, 1986
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	STS crew Egress and Escape Study Presentation to STS Program Manager	June 1986
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	Launch / Abort Re-assessment	July 3, 1986
	National Space Transportation System Daily Morning Briefing	July 9, 1986
	Report to the President, Preliminary	July 11, 1986
	Report to the President, Actions to Implement the Recommendations of the Presidential Commission on the Space Shuttle Challenger (2 vols.)	July 14, 1986
	JSC Status Review Teams Meeting Summaries of Activities	July 14, 1986
	JSC Status Review Teams Summaries of Activities	July 21, 1986
	JSC Status Review Teams Summary of Activities	July 28, 1986
	51-L Presidential Commission Recommendations, JSC Status Review Teams	1986
	Report to the President by the Presidential Commission on the Space Shuttle Challenger Accident, Report at a Glance	1986
	Solid Rocket Motor (SRM) Alternate Design (Block II) and Second Source	1986
	The Impact of the Challenger Accident on Public Attitudes toward the Space Program, A Report to the National Science Foundation	Jan. 25, 1987
	Challenger Center: Letter to America from the Families of the Challenger	Jan. 27, 1987

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	Response to the Recommendations of the House of Representatives Committee on Science and Technology Report of the Investigation of the Challenger Accident	February 15, 1987
	NSTS 23181, Hazard Analysis Reevaluation Report Post STS51-L	Dec. 1988
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	STS 51-L Data and Design Analysis Task Force Historical Summary * This 243 page document has been scanned	June 1986
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	Report of the Presidential Commission on the Space Shuttle Challenger Accident, Volume IV and Volume V: Hearing Transcripts	1986
	Status of Actions to Implement the Recommendations of the Presidential Commission on the Space Shuttle Challenger Accident	Feb. 1, 1987
	Report to the President. Implementation of the Recommendations of the Presidential Commission on the Space Shuttle Challenger Accident	June 1987
<b>SubHeading:</b>	<b>Box Number: 6</b>	
	Shuttle Student Involvement Project JSC 17998, Experiment Integration Plan "Chicken Embryo Development In Space", SE83-9	n.d.
	STS 51-L Flight Requirements Document Level A Groundrules and Constraints, Appendix A Operational Flight Profile Cycle 1 and 2, Jan. 22, 1986 Launch Date, JSC 17462-51-L	n.d.
	Description of Changes to STS 51-L Flight Requirements Document JSC 17462-51-L	n.d.
	Briefing to Mr. Goetz for Center Directors Meeting Research and Program Management STS 51-L Incident Impact	n.d.
	STS 51-L Implication Rockwell Contract NAS9-14000	n.d.
	IUS-3/STS 51-L Flight Readiness Review	n.d.
	Orbiter Ejection Escape Water Landing Team Membership	n.d.
	STS 51-L Memorial Service Video Tapes	1986

#### **Responsibilities**

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