

SHUTTLE SERIES LOCKHEED DOCUMENTS

The Lockheed documents consist primarily of reports arranged in chronological order. They run from 1967 through 1988 but the bulk of the documentation falls between 1971 and 1972 and consists of Shuttle Phase B and Phase B extension documents as well as the Phase C/D Proposal.

Inventory

SubHeading:	Box Number: 01	
	Analysis Techniques for Ballistic Recovery of Spacecraft	Nov. 16, 1967
	Space Transport and Recovery System Briefing to NASA Headquarters	Jan. 6, 1968
	Space Transport and Recovery System Preliminary System Description	Feb. 1, 1968
	Detail Specification End Item No. 1001A00 Model C-141A Cargo Transport	Oct. 1, 1968
	Proposal for Study of Integral Launch and Reentry System Volume 1 - Technical Proposal	Nov. 29, 1968
	Space Transport and Recovery System (Briefing Charts)	(1968)
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	Large Tank Agena Space Vehicle, Description & Capabilities	Feb. 25, 1969
	Space Transport and Recovery System (Space Shuttle)	March 1969
	Space Shuttle System Evaluation Document	May 26, 1969
	Space Transport System Letter Task Report	July 30, 1969
	ILRV Interim Technical Review	Aug. 21, 1969
	Space Shuttle Data (Vols. 1 & 2), Design Integration, Aerodynamics	Sept. 12, 1969
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	Space Shuttle Data, Volume IV: Propulsion Systems and Propulsion Integration	September 12, 1969
	Space Shuttle Data, Volume V: Avionics	September 12, 1969
	Space Shuttle Data, Volume VI: Performance and Flight Mechanics	September 12, 1969
	Space Shuttle Data, Volume VII: Operations, Safety, and Refurbishment	September 12, 1969
	Space Shuttle Data, Volume VIII: Test and Production	September 12, 1969
	Space Shuttle Data, Volume IX: Cost, Scheduling and Facilities	September 12, 1969
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	Space Shuttle Data, Volume III: Structures, Materials and Thermal Protection System * This 191 page document has been scanned	September 12, 1969
SubHeading:	Box Number: 04	
	Space Shuttle Issues	Sept. 23, 1969
	Space Shuttle Data - Two Stage Vehicle Summary	Sept 29, 1969

	Space Shuttle Data - Supplemental Data on Two - Stage Vehicle	Sept 29, 1969
	ILRV Monthly Progress Report	Oct. 15, 1969
	Space Transport System Letter Progress Report #4 (2 Vols.)	Oct. 24, 1969
SubHeading:	Box Number: 05	
	Final Report, Integral Launch and Reentry Vehicle, Volume III, Special Studies, Part B - Sections 4 & 5 and Appendix B, C, & D	October 27, 1969
	Final Oral Presentation Integral Launch and Reentry Vehicle (Presentation Charts)	November 7, 1969
	Final Report, Integral Launch and Reentry Vehicle, Executive Summary	December 22, 1969
	Final Report, Integral Launch and Reentry Vehicle, Volume I Configuration Definition and Planning, Part A - Sections 1 through 9	December 22, 1969
	Final Report, Integral Launch and Reentry Vehicle, Volume 1, Configuration Definition and Planning Part B - Sections 10 through 17	December 22, 1969
SubHeading:	Box Number: 06	
	Integral Launch and Reentry Vehicle, Volume II: Technology Identification	December 22, 1969
	Final Report, Integral Launch and Reentry Vehicle, Vol. III, Special Studies, Part A - Section 1 through 3 and Appendix A	December 22, 1969
	Final Report, Integral Launch and Reentry Vehicle, Volume III, Special Studies, Part B - Sections 4 & 5 and Appendix B, C, & D	December 22, 1969
	Space Shuttle Key Technical Issues	1969
	The Implications of True Space Transportation	March 1970
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	Preliminary Economic Evaluation of Alternate Space Shuttle Systems	June 15, 1970
	Study Plan for Space Shuttle Program, Analyses Support	June 22, 1970
SubHeading:	Box Number: 08	
	Study of Alternate Space Shuttle Concepts Fifth Letter Progress Report	December 15, 1970
	Executive Summary Midterm Presentation Alternate Space Shuttle Concepts	December 1, 1970
	The Delta Body, A Potential Space Shuttle Orbiter	March 2 - 4, 1971
	Nuclear Shuttle System Definition Study Phase III, Final Performance Review	April 14, 1971
	Study of Alternate Space Shuttle Concepts, Eighth Letter Progress & Status Report	March 15, 1971
SubHeading:	Box Number: 09	
	Space System Trends	April 1971
	Final Report, Study off Alternate Space Shuttle Concepts, Volume II - Appendix A Task 1, Drop Tank Impact and Dispersion Study	June 4, 1971
	Final Report, Study of Alternate Space Shuttle Concepts, Volume II - Appendix B Referenced but	June 4, 1971

	Unpublished Engineering Memorandums	
	Final Report Study of Alternate Space Shuttle Concepts, Volume III Program Planning Data	June 4, 1971
	Final Report, Study of Alternate Space Shuttle Concepts, Volume IV Cost Data	June 4, 1971
	Interim Review Presentation Alternate Space Shuttle Concepts Study, NAS8-26362	September 1, 1971
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	Space Tug Economic Analysis	October 19, 1971
	Alternate Space Shuttle Concepts Study	October 21, 1971
	Presentation to NASA L-1011 AFCS Development Program	Oct. 22, 1971
	Review of Delta Wing Space Shuttle Vehicle Dynamics	October 1971
	Avionics	1971
	Alternate Space Shuttle Concepts Study Review	November 3, 1971
	Study Plan for Phase B Extension Definition of Space Shuttle Program	November 8, 1971
	Final Report, Alternate Concepts Study Extension Volume 1, Executive Summary	November 15, 1971
	Final Report, Alternate Concepts Study Extension, Volume II, Concept Analysis and Definition, Part 1, 040A System	November 15, 1971
	Final Report, Alternate Concepts Study Extension, Volume II Concept Analysis and Definition, Part 2, One and One Half Stage System	November 15, 1971
	Final Report, Alternate Concepts Study Extension, Volume II Concept Analysis and Definition, Part 3, SRM Boosters	November 15, 1971
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	Final Report Alternate Concepts Study Extension, Volume II, Concept Analysis and Definition Part 4, Avionics	November 15, 1971
	Alternate Concepts Study Extension, Volume III, Cost Analysis	November 15, 1971
	Baseline Avionics Briefing	November 16, 1971
	Alternate Concept Extension, NAS8-26362	December 15, 1971
	Lockheed Missiles and Space Company (Summary of Activities & Accomplishments)	1971
	Parallel and Series Burn Payload Size and Weight	January 11, 1972
	Space Tug Economic Analysis, Second Performance Review	January 13, 1972
	Program Review, Study of Solid Rocket Motors for a Space Shuttle Booster (2 vols.) Program Review & Supporting Data	February 14 & 16, 1972
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	Space Shuttle Final Review (2 vols.)	February 15 & 22, 1972
	ACS Avionics Systems Review	February 18, 1972
	Executive Summary, Study of Solid Rocket Motors for a Space Shuttle	February 23, 1972

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	Shuttle Agena Study, Final Report, Vol. 1 Executive Summary	February 25, 1972
	Shuttle / Agena Study Final Report, Vol. II, Technical Report, Part One: Program Requirements, Conclusions, Recommendations	February 25, 1972
	Shuttle Agena Study, Final Report, Volume II Technical Report Part Two: Agena Interface, Performance, Safety, Cost	February 25, 1972
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	Shuttle / Agena Study, Final Report, Volume II Technical Report Part Three: Preliminary Test Plans	February 25, 1972
	Shuttle / Agena Study, Annex A Ascent Agena Configuration	February 25, 1972
	Shuttle / Agena Study, Final Report, Annex B Catalog of Existing Flight Equipment	February 25, 1972
	Shuttle Agena Study Final Report, Annex C Space Shuttle Candidate Insulator / Propellant Compatibility Test Program	February 25, 1972
	Study of the Reuse of SRM Booster Vehicles	March 7, 1972
	Final Report, Phase B Extension, Space Shuttle Concepts, Volume 1, Executive Summary	March 15, 1972
	Final Report, Phase B Extension, Space Shuttle Concepts, Volume 2, Technical Report	March 15, 1972
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	Final Report Phase B Extension Space Shuttle Concepts, Vol. 3, Costing Data	March 15, 1972
	Final Report Phase B Extension Space Shuttle Concepts, Volume 4, Scheduling Data	March 15, 1972
	Final Report, Phase B Extension, Space Shuttle Concepts, Volume 5 Development Requirements	March 15, 1972
	Phase B Extension, Final Report Space Shuttle Concepts Mass Properties	March 15, 1972
	Data Requirement MA-02 Final Report, Technical Report Analysis and Design, Study of Solid Rocket Motors for a Space Shuttle Booster	March 15, 1972
	Data Requirement MA-02, SE-243B, Final Report, Technical Report Supporting Research and Technology Study of Solid Rocket Motors for a Space Shuttle Booster	March 15, 1972
	Data Requirement MA-02 Final Report, Program Acquisition Planning Study of Solid Rocket Motors for a Space Shuttle Booster	March 15, 1972
	Data Requirement SE-02 Final Report, Technical Report, Mass Properties Report, Study of Solid Rocket Motors for a Space Shuttle Booster	March 15, 1972
	Space Tug Economic Analysis, Final Presentation	April 12, 1972
	Experience Related to the Auxiliary Rocket Motors for the Space Shuttle Program	April 25, 1972
	Experience Related to the Solid Rocket Motor Booster for the Space Shuttle Program	April 25, 1972

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MA-02, Final Report, Technical Report
Analysis and Design Study of Solid
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Space Shuttle Executive Summary May 12, 1972

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Volume III, Space Shuttle Technical
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Space Shuttle Cost Proposal May 19, 1972

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Vol. VIII Proposal to NASA - MSC,
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Volume VIII WBS Work Packages
(Schedules) May 12, 1972

Volume IX Proposal to NASA - MSC
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Supplements May 19, 1972

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(Proposal Material) June 7, 1972

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Reference to Space Shuttle Proposal
LMSC-D1573661 June 7, 1972

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D157364 June 15, 1972

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Manufacturing Proposal June 15, 1972

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Orbiter Vehicle Sections, Space
Shuttle Program July 15, 1972

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Sections Request for Information
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Staging Velocity December 5, 1972

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	Vol. 2, Technical Appendixes Reusable Agena Study Final Presentation & Final Report (2 vols.)	January & March 1974
SubHeading:	Box Number: 18	
	Fiber Acquisition	May 20, 1974
	Agena Interim Upper Stage Final Summary	June 26, 1975
	KSC Launch & Landing Project, Return to Flight Design Certification Review Report (Volume 1)	February 1988
SubHeading:	Box Number: 19	
	KSC Launch & Landing Project Return to Flight Design Certification Review Report (Volume 2)	February 1988
	KSC Launch & Landing Project, Return to Flight Design Certification Review Report (Vol. 3)	February 1988