

CENTER SERIES LOFTUS PAPERS

The materials in this subseries originate in the office of Mr. Joseph Loftus, Assistant Director (Plans) for the Johnson Space Center. Mr. Loftus began work at NASA in 1962 as Chief, Operations Integration Branch, Systems Engineering Division, Apollo Spacecraft Program Office. In 1968 he became Manager, Program Engineering Office, Advanced Missions Program Office. However, since 1970, Mr. Loftus has been the primary senior executive at JSC committed to long range and strategic planning. The materials in this collection were created during this latest period. The largest group of documents are related to the JSC Budget / POP process and to the administration of RTOP and Center Director's Discretionary Funds. By way of explanation, the RTOP process "covers all those activities that have as their objective the acquisition of specific knowledge, information, techniques, data, systems, etc., that will provide a capability for future experiments, developments, applications, etc., in broad support of Agency goals." The principal focus for these projects is the Headquarters Office of Aeronautics and Space Technology (OAST). However, conceptual planning and the definition of a need is a joint Headquarters / field center responsibility. The HQ Program Office identifies broad program goals and RTOP objectives and guidelines within these goals. The field centers respond with individual RTOPs and resource requirements. Once funding (as a part of the Agency budget) is approved, the field center executes the RTOP and reports upon its status and progress. Besides administering this function, Mr. Loftus' office handles the disposition of the Center Director's Discretionary Fund. This money is taken off the top of the Program Office budget before it is allocated and used to fund preliminary work and initiatives that are not yet ready to compete in the RTOP process. This allows the Center Director to recognize and encourage the initiative of people within his own organization. The documents in this subseries are arranged by broad subject group. Materials within the individual groups are filed chronologically or by fiscal year. The only exception are the subject files that are arranged alphabetically. The documents are dated from 1970 through 1988. A significant second group of documents from Mr. Loftus' office was added to the collection as addenda to each major subject group. These addenda are identified in the inventory. Mr. Loftus' role at the Center has not changed appreciably since the first group of materials was accessioned. BUDGET ESTIMATES

Inventory

SubHeading:	Box Number: 01	
	TM-85840 The Planning and Control of NASA Programs and Resources	July 1983
	NHB 7400.1C NASA Budget Administration Manual	June 29, 1984
	Manned Space Flight Resources Information Summary - Budget Estimates	FY 1970 - 1976
SubHeading:	Box Number: 01A	
	NASA Budget Estimates, FY 1972, Volume 1 - 4: Summary Data, Research and Development, Construction of Facilities, Research and Program Management	
	NASA Budget Estimates, FY 1975, Volume 1: Agency Summary, Research and Development	
SubHeading:	Box Number: 01B	
	NASA Budget Estimates, FY 1976, Volume 1 and 3: Agency Summary, Research and Development, Research and Program Management, Special Analyses.	
	NASA Budget Estimates, FY 1977, Volume 1: Agency Summary, Research and Development	
SubHeading:	Box Number: 02	
	NASA Budget Estimates and Amendment, FY 1978 Volume 1: Agency Summary, Research and Development	
	NASA Budget Estimates and Amendment, FY 1979 Volume 1: Agency Summary, Research and Development	

SubHeading:	Box Number: 03 NASA Budget Estimates FY 1980 Volume 1: Agency Summary, Research and Development NASA Budget Estimates FY 1981 Volume 1: Agency Summary, Research and Development NASA Budget Estimates FY 1982 Volume 1: Agency Summary, Research and Development	
SubHeading:	Box Number: 04 NASA Budget Estimates FY 1982 Amendment NASA Budget Estimates FY 1983 Volume 1 & 2: Agency Summary, Research and Development and Program Management	
SubHeading:	Box Number: 05 NASA Budget Estimates FY 1984 Volume 1: Agency Summary, Research and Development NASA Budget Estimates FY 1985 Volume 1 & 3: Research and Development, Space Flight Control and Program Management	
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SubHeading:	Box Number: 07 NASA Budget Estimates FY 1987 Volume 1 - 3: Agency Summary, Research and Development, C of F, Research and Program Management	
SubHeading:	Box Number: 08 NASA Budget Estimates FY 1989 Volume 1 & 3: Agency Summary, Research and Development, Research and Program Management NASA Financial Highlight Report	1976 - 1977
SubHeading:	Box Number: 08A NASA Budget Estimates, FY 1990, Vol. 1, Agency Summary, Vol. II, Construction of Facilities, Vol. III, Research and Program Management	
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STAFF VISITS	Staff Visit, Subcommittee on Manned Spaceflight	March 1973
STAFF VISITS	Staff Visit, Subcommittee on Manned Space Flight Shuttle, Space Tug, ASTP Review	November 15, 1973
STAFF VISITS	Staff Visit, Manned Space Flight Subcommittee	February 4, 1974
STAFF VISITS	OMB Visit to JSC, Shuttle Status Briefing	June 27, 1974
STAFF VISITS	Staff Visit, Manned Space Flight Subcommittee	September 19, 1974
STAFF VISITS	Staff Visit, Manned Space Flight Subcommittee	December 4, 1974
STAFF VISITS	Staff Visit, House Subcommittee on Space Science and Applications. Life Science	March 3, 1975
STAFF VISITS	Staff Visit, House Subcommittee on Space Sciences and Applications	February 16, 1976

STAFF VISITS	Staff Visit, Subcommittee on Space Science and Applications (Crew Training)	May 17, 1976
STAFF VISITS	Staff Visit, House Appropriations Surveys and Investigations Staff (STS Investigation)	November 3, 1976
STAFF VISITS	Staff Visit, House Subcommittee on Space Science and Applications	February 6, 1977
STAFF VISITS	Staff Visit, Senate Authorization Committee on Commerce, Science and Transportation. Subcommittee on Science	February 17, 1977
STAFF VISITS	Staff Visit, Subcommittee on Science, Technology, and Space. Committee on Commerce, Science, and Transportation	April 13 - 15, 1977
STAFF VISITS	Staff Visit, Subcommittee on Space Sciences and Applications	October 11, 1977
STAFF VISITS	Staff Visit, House Subcommittee on Space Science and Applications	February 4, 1978
STAFF VISITS	Staff Visit, House Subcommittee on Space Science and Applications (Shuttle Status Presentation)	October 17, 1978
STAFF VISITS	Staff Visit, Jim Gehrig, Senate Authorization Committee	October 26 - 27, 1978
SubHeading:	Box Number: 10	
STAFF VISITS	Staff Visit, Jim Morrill, Minority Staff Member, House Appropriations Committee	November 14, 1978
STAFF VISITS	Staff Visit, Charles Snodgrass, House Appropriations Committee and Samuel Preston, Defense Subcommittee	January 8, 1979
STAFF VISITS	Staff Visit, House Appropriations Committee, HUD Independent Agencies Subcommittee	January 11, 1979
STAFF VISITS	Congressional Field Hearings, Space Science and Applications Committee	February 9 - 12, 1979
STAFF VISITS	Staff Visit, Congressman Flippo and Darrell Branscome, Committee on Science and Technology	August 1979
STAFF VISITS	Staff Visit, House Committee on Space Science and Applications	November 1979
STAFF VISITS	Staff Visit, Subcommittee on Space Science and Applications Field Hearings	March 6 - 10, 1980
STAFF VISITS	Staff Visit, Ray Brill, Subcommittee on Investigations and Oversight Tom Tate, Subcommittee on Space Science and Applications	August 13 - 15, 1980
STAFF VISITS	Staff Visit, Subcommittee on Space Science and Applications	October 28, 1980
STAFF VISITS	Staff Visit, Ray Brill, Subcommittee on Investigations and Oversight	December 1980
STAFF VISITS	Miscellaneous Congressional Testimony	1981, 1984 - 1985
SubHeading:	Box Number: 11	
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	JSC Institutional Assessment, Manpower and Facilities, FY 1978 - 1982	1973 - 1975
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Manpower and Facility Review	April 9, 1974
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	JSC Review of Manpower and Facilities	June 14, 1974
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Civil Service and Support Contractor Levels (Manpower) FY 1963 - 1990	1977, 1990, n.d.
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Manpower Reduction Exercise and Budget Restraints	1982

MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Manpower and Budget Data	1984, 1986, n.d.
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Employee / Workforce Composition Retiree Projections (Manpower)	1985 - 1986, n.d.
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Historical Manpower Charts and Data FY 1963 - 1993	May 1987
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Agency / Center Percentage Exercise for Budget and Manpower, FY 1983 - 1986	n.d.
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Center Organization Charts with Civil Service Manpower Totals, FY 1984 - 1985	n.d.
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Employment Figures	1980 - 1981
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	JSC Manpower by Program, FY 1962 - 1980	n.d.
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	NASA Wide Budget and Manpower Charts, FY 1987 - 1988	n.d.
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Glaser, Peter (Arthur Little, Inc.) "Rationale for Commercial Activities in Space"	January 27, 1983
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Commercial Use of Space Background Issue Paper and Potential Program Thrusts	1983 - 1984
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Commercialization of Space, Statement by James Beggs	February 8, 1984
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Establishment of the Office of Commercial Programs	September 11, 1984
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Commercial Use of Space FY 1985 - 1986 Budget Presentation and Proposed JSC Space Commercialization Package	October 23, 1984
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Commercial Use of Space Report Implementation	January - February 1985
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Report of the Task Force on the Commercial Use of Space	August 1985
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Commercial Use of Space POP 1986 and 1987	March - June 1986, n.d.
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Commercial Use of Space. JSC's Proposed Program Activity for FY 1985 and 1986	n.d.
MANPOWER INFORMATION / COMMERCIAL USE OF SPACE	Commercial Use of Space POP 85 Mark	January - September 1985,
SubHeading:	Box Number: 11A	
COMMERCIAL USE OF SPACE - ADDENDA	Interagency Task Force, Private Sector Involvement in Civil Space Remote Sensing, Volume 1: Report	June 15, 1979
COMMERCIAL USE OF SPACE - ADDENDA	NASA Advisory Council (including membership and recommendations on Commercial Use of Space)	1982, 1985, 1987
COMMERCIAL USE OF SPACE - ADDENDA	Commercialization of Space (including policy papers, user development study, etc.)	1983 - 1989, n.d.
COMMERCIAL USE OF SPACE - ADDENDA	Impacts of Shuttle Pricing on Private Sector Involvement and Investment in Civil Space Activities (draft)	March 2, 1985
COMMERCIAL USE OF SPACE - ADDENDA	Space Commercialization Consortium (SCC)	January 1986
COMMERCIAL USE OF SPACE - ADDENDA	Coopers and Lybrand Study Briefings, "Commercial Ownership and Operation of Space Station Components"	March - April 1986
SubHeading:	Box Number: 11B	
COMMERCIAL USE OF SPACE - ADDENDA	Civil Space Technology Initiatives (CSTI)	1986
COMMERCIAL USE OF SPACE -	Industrial Space Facility	1986 - 1987

ADDENDA		
COMMERCIAL USE OF SPACE - ADDENDA	Commercially Developed Space Facility (CDSF)(In-house study status)	January 1989
COMMERCIAL USE OF SPACE - ADDENDA	U.S. Congress, "Preliminary Analysis of NASA Commercialization Initiatives"	February 1989
SubHeading:	Box Number: 12	
CENTER DIRECTOR'S DISCRETIONARY FUND	FY 1983 Center Director's Discretionary Fund Annual Report, Comments and Responses	1983
CENTER DIRECTOR'S DISCRETIONARY FUND	FY 1984 Center Director's Discretionary Fund	1984
CENTER DIRECTOR'S DISCRETIONARY FUND	FY 1985 Center Director's Discretionary Fund	1985
CENTER DIRECTOR'S DISCRETIONARY FUND	FY 1986 Center Director's Discretionary Fund, New and Continuing Projects and Briefing Charts	1985, n.d.
CENTER DIRECTOR'S DISCRETIONARY FUND	FY 1986 Center Director's Discretionary Fund Report and Related Correspondence	1986 - 1987
SubHeading:	Box Number: 13	
CENTER DIRECTOR'S DISCRETIONARY FUND	FY 1986 Center Director's Discretionary Fund Annual Report	1986
CENTER DIRECTOR'S DISCRETIONARY FUND	FY 1987 & FY 1989 Center Director's Discretionary Fund Annual Report	1987, 1989
CENTER DIRECTOR'S DISCRETIONARY FUND	FY 1986 Center Director's Discretionary Fund Audit	1986
CENTER DIRECTOR'S DISCRETIONARY FUND	FY 1987 New Proposals, Center Director's Discretionary Fund	1986
CENTER DIRECTOR'S DISCRETIONARY FUND	A Report on the Use of the Center Director's Discretionary Fund, 1979 - 1985 (Solar System Exploration Division	n.d.
SUBJECT FILES	FY 1986 OAST Accident Assessment	March - April 1986
SUBJECT FILES	Budget Review, Data Systems / Computer Complex / Automated Systems	March 1985
SUBJECT FILES	Civil Space Technology Initiative / Pathfinder	1987
SUBJECT FILES	Energy Consumption of Spaceborne Versus Terrestrial Transatlantic Communications	December 27, 1974
SUBJECT FILES	FY 1980 -1984 Five Year Plan (OAST)	1979
SUBJECT FILES	Flight Experiments / Demonstrations and Satellite Servicing	1983 - 1986, n.d.
SUBJECT FILES	Institutional Management System	1985 - 1987
SubHeading:	Box Number: 14	
SUBJECT FILES	JSC Goals and Objectives (NASA Center Funding)	March 15, 1973
SUBJECT FILES	OAST JSC Space Research and Technology Review. JSC Briefing Book	1982
SUBJECT FILES	JSC Support of SDIO (Space Defense Initiative) Activity	1986, n.d.
SUBJECT FILES	Manned Space Flight Research and Development Year End Status Report	June 30, 1974
SUBJECT FILES	Minority Business Enterprise Program Plan, FY 1987	1987
SUBJECT FILES	Miscellaneous Correspondence	1973, 1974, 1979 - 1986,
SUBJECT FILES	NASA Program Approval Documents (PAD) Aeronautical and Space R & T, Space Flight Operations	1981
SUBJECT FILES	NASA / Rockwell Indirect Cost Management Review Presentations	1986

SUBJECT FILES	OAST Program Planning for FY81 and Beyond	February 26, 1979
SUBJECT FILES	FY 1987 Preliminary Space Guidelines and Program Changes	1985
SubHeading:	Box Number: 15	
SUBJECT FILES	President's National Commission on Space Presentations	July 1985
SUBJECT FILES	Proceedings of the First Technology Transfer Conference	September 24 - 25, 1974
SUBJECT FILES	Program for Development and Demonstration of Orbital Refueling	December 1982
SUBJECT FILES	Satellite Power Team Efforts. Budget	September 1975
SUBJECT FILES	Small Business Innovations Research, FY 1985	1984 - 1985, n.d.
SUBJECT FILES	Space Market Model	1983 - 1986, n.d.
SubHeading:	Box Number: 16	
SUBJECT FILES	Space Research and Technology Reprogramming	1982, n.d.
SUBJECT FILES	Space Systems Engineering FY 1981 - 1985. Five Year Plan. Presentation to NASA Planning Council	June 1, 1979
SUBJECT FILES	Space Systems and Technology Workshop, Albuquerque, N.M.	September 20 - 23, 1982
SUBJECT FILES	System Test Bed	1982
SUBJECT FILES	Technical Planning Office Briefing to Director	October 6, 1982
SUBJECT FILES	U. S. Civil Space Policy Statement by President Carter	October 11, 1978
SUBJECT FILES	Vulnerability Assessment Rating of NASA Internal Control System	1984 - 1986
SubHeading:	Box Number: 16A	
SUBJECT FILES - ADDENDA	Ariane Breakup	Nov 1986 - April 1987
SUBJECT FILES - ADDENDA	Competition in Contracting Act	1984 - 1985
SUBJECT FILES - ADDENDA	Consolidation Plan and Issues, National Contract Management Association Regional Educational Conference	October 11, 1985
SUBJECT FILES - ADDENDA	The Historical Perspective of the Current Situation (budgets, costs, flight rates, ELV's)	c. 1981
SUBJECT FILES - ADDENDA	"I Told You So" - Essences of Planning and "Silk Purses and Sow's Ears", Essays by Dennis Fielder and John Hodge	1968
SUBJECT FILES - ADDENDA	Independent Assessment (Mission models, Flight rate) Briefing charts	Nov 1969, Feb - Jun 1981
SUBJECT FILES - ADDENDA	Interagency Space Launch Policy Working Group, Recommendation on FY84 Budget Issue	November 16, 1982
SUBJECT FILES - ADDENDA	JSC Organization and Goals	1967, 1969, 1973, 1979 -
SUBJECT FILES - ADDENDA	JSC Productivity Management Study	1984, n.d.
SUBJECT FILES - ADDENDA	Legislative Planning Process, 100th Congress (including Loftus input)	1986
SUBJECT FILES - ADDENDA	LEO - GEO Transfer Stage Disposal (briefing charts re: orbital debris)	June 1985
SUBJECT FILES - ADDENDA	Loftus, Joseph P., "Space Radiation Workshop Briefing Charts"	November 17, 1983
SUBJECT FILES - ADDENDA	Loftus, J.P., "Long Range Planning Briefing charts"	n.d.
SUBJECT FILES - ADDENDA	Loftus, J.P., "Evolution of the Astronaut's Role Briefing Charts"	n.d.
SUBJECT FILES - ADDENDA	Long Range Planning, Strategic	1985, 1987

	Planning Council	
SubHeading:	Box Number: 16B	
SUBJECT FILES - ADDENDA	Management Principles Implementation at JSC (Culture Survey)	June 1985
SUBJECT FILES - ADDENDA	Manpower Planning (Briefing charts)	1984
SUBJECT FILES - ADDENDA	NASA Microgravity Materials Science Assessment Task Force	December 15, 1986
SUBJECT FILES - ADDENDA	Mixed Fleet Considerations	1981, n.d.
SUBJECT FILES - ADDENDA	NASA Mixed Fleet Study (viewgraphs and correspondence)	September - November 1986
SUBJECT FILES - ADDENDA	NASA / DoD Space Technology Interdependency Group	1982 - 1986
SubHeading:	Box Number: 16C	
SUBJECT FILES - ADDENDA	NASA / DoD Space Transportation Architecture Study (STAS) (second generation STS)	1985 - 1987, n.d.
SUBJECT FILES - ADDENDA	NASA / DoD Space Transportation System Master Plan, Part 1: Baseline Operations Plan	March 1985
SUBJECT FILES - ADDENDA	Orbit Transfer Vehicles, Presentation Charts	1982 - 1983
SubHeading:	Box Number: 16D	
SUBJECT FILES - ADDENDA	OAST Pathfinder, Candidate Technologies for Development	July 1987
SUBJECT FILES - ADDENDA	Pathfinder Briefing to the Administrator	April 1987
SUBJECT FILES - ADDENDA	Percheron Project (low cost launch vehicles)	September 16, 1981
SUBJECT FILES - ADDENDA	Policy Review Committee, Long Range Planning (including notes)	April - May 1985
SUBJECT FILES - ADDENDA	Program Planning	August 1981, n.d.
SUBJECT FILES - ADDENDA	Program Requirements Development Announcement (to replace RFP Process)	1984, 1986 - 1987
SUBJECT FILES - ADDENDA	Satellite Servicing / Retrieval	1982 - 1986
SUBJECT FILES - ADDENDA	Satellite Servicing Workshop	November 6 - 8, 1985
SUBJECT FILES - ADDENDA	Moser, Thomas L., Space Flight Program Plan (briefing charts)	June 17, 1986
SUBJECT FILES - ADDENDA	Space Logistics Systems and Operations, (launch system, entry crew module, cargo, propulsion module)	October 10, 1968
SUBJECT FILES - ADDENDA	Space Program Evolution	n.d.
SUBJECT FILES - ADDENDA	Space Program and National Security	1947, 1957, 1969, 1974, 1982
SUBJECT FILES - ADDENDA	SSTAC (Space Systems and Technology Advisory Committee), NASA Advisory Council	1984
SUBJECT FILES - ADDENDA	Space Vehicle Symposium Meeting Minutes	July 21, 1981
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SUBJECT FILES - ADDENDA	Technology Transfer Criteria (international availability of NASA technology)	1975, 1979, 1982, 1985, n
SUBJECT FILES - ADDENDA	Upper Stage Considerations	1981 - 1982, n.d.
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ADVANCED PROGRAMS	Advanced Study Proposals, FY 1971 - 1972	1970 - 1971
ADVANCED PROGRAMS	Advanced Development Research and Technology History	1971 - 1978, n.d.
ADVANCED PROGRAMS	JSC Advanced Mission Studies and New Initiatives (Presentation on	September 12, 1978

	Budget and Manpower)	
ADVANCED PROGRAMS	FY 1979 Advanced Programs Status Report	December 1978
ADVANCED PROGRAMS	Advanced Program Correspondence	1978 - 1979, n.d.
ADVANCED PROGRAMS	Advanced Programs - New Initiatives Descriptions (POP 79-1)	March 19, 1979
ADVANCED PROGRAMS	POP 79-2 Advanced Programs Presentation to Code M (Cost Review)	August 3, 1979
ADVANCED PROGRAMS	Advanced Development Quarterly Review	January 31, 1980
ADVANCED PROGRAMS	OSTS Advanced Programs Submittal (POP 80-1 and POP 80-2)	1980
ADVANCED PROGRAMS	Advanced Program Funding	FY 1980 - 1983, n.d.
ADVANCED PROGRAMS	OSTS Advanced Program Submittal (POP 81-1)	February 17, 1981
ADVANCED PROGRAMS	Advancement of Goals with New Starts and Advanced Developments	May 28, 1981
ADVANCED PROGRAMS	FY 1983 OSTS POP 81-2 Advanced Programs Presentation to Code M	July 1981
ADVANCED PROGRAMS	Advanced Programs Outlook. Text of Paper on Expendable Vehicles and STS, SOC, STS Upper Stage, and PEP/SEPS	c. 1981
ADVANCED PROGRAMS	Advanced Missions Discussions, Martin Marietta - Denver	November 16, 1982
ADVANCED PROGRAMS	Johnson Space Center Advanced Developments Briefing Materials	c. 1982
ADVANCED PROGRAMS	Review of Advanced Program Activities for Ivan Bekey (Presentation Material)	November 1983
ADVANCED PROGRAMS	Advanced Program Review, Structural and Thermal Division Briefing Charts	April 25, 1985
ADVANCED PROGRAMS	FY 1988 Advanced Program Tasks MPAD Project Summary	1987
ADVANCED PROGRAMS	FY 1978 Advanced Programs Status Report	n.d.
ADVANCED PROGRAMS	New Initiatives Outlook Presentation	n.d.
ADVANCED PROGRAMS	OSTS Advanced Programs POP 80-1 Guidelines	n.d.
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ADVANCED PROGRAMS - ADDENDA	Organization and Functions - Advanced Missions Program Office and Technical Planning Office	1968, 1970, 1973, 1976, 1
ADVANCED PROGRAMS - ADDENDA	Loftus, Joseph P., "Advanced Programs Briefing Charts"	1980
ADVANCED PROGRAMS - ADDENDA	Loftus, Joseph P., "Advanced Mission Studies Briefing Charts"	June 29, 1981
ADVANCED PROGRAMS - ADDENDA	Loftus, Joseph P., "Johnson Space Center Advanced Developments Briefing Charts"	November 19, 1982
ADVANCED PROGRAMS - ADDENDA	Advanced Mission Working Group	June - September 1985, n.
SubHeading:	Box Number: 18	
R & T ANNUAL REPORTS, OPERATING PLANS AND PASO DOCUMENTS	JSC Research and Technology Annual Report, FY 1977, 1979 -1981, 1983	1977, 1979 - 1981, 1983
R & T ANNUAL REPORTS, OPERATING PLANS AND PASO DOCUMENTS	JSC Research and Technology Annual Report, FY 1984 - 1988	1984 - 1984 - 1988, 1990
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R & T ANNUAL REPORTS, OPERATING PLANS AND PASO DOCUMENTS	FY 1984 OAST Program and Specific Objectives (PASO) Resources Requirements	n.d.
R & T ANNUAL REPORTS,	FY 1985 Space Research and	1984

OPERATING PLANS AND PASO DOCUMENTS	Technology Program and Specific Objectives (PASO)	
R & T ANNUAL REPORTS, OPERATING PLANS AND PASO DOCUMENTS	FY 1986 Aeronautics / Space Research and Technology Program Specific Objectives (PASO)	1985
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R & T ANNUAL REPORTS, OPERATING PLANS AND PASO DOCUMENTS	FY 1987 - 1988 Space Research and Technology Program and Specific Objectives (PASO)	1986 - 1987
R & T ANNUAL REPORTS, OPERATING PLANS AND PASO DOCUMENTS	1988 PASO Rewrite (Program and Specific Objective Document)	April 1987
R & T ANNUAL REPORTS, OPERATING PLANS AND PASO DOCUMENTS	FY 1988 Space Research and Technology Program and Specific Objectives	n.d.
R & T ANNUAL REPORTS, OPERATING PLANS AND PASO DOCUMENTS	FY 1979 - 1984 Research and Technology Operating Plan, Office of Space Transportation Systems, Advanced Programs (6 volumes)	1978 - 1983
SubHeading:	Box Number: 20	
RTOP (RESEARCH AND TECHNOLOGY OBJECTIVE PLAN)	Status of Mission Analysis Payload Integration RTOP	1973 - 1975
RTOP (RESEARCH AND TECHNOLOGY OBJECTIVE PLAN)	Lundin Committee on RTOP Management SRT (Supporting Research and Technology)	1976, n.d.
RTOP (RESEARCH AND TECHNOLOGY OBJECTIVE PLAN)	Solar Power Satellite / Satellite Power System RTOP and Budget	1977, 1979
RTOP (RESEARCH AND TECHNOLOGY OBJECTIVE PLAN)	"The Price of Admission to the RTOP Activity" (RTOP Cycle)	April 1980, n.d.
RTOP (RESEARCH AND TECHNOLOGY OBJECTIVE PLAN)	Proposed NMI "RTOP Management System"	December 1980
RTOP (RESEARCH AND TECHNOLOGY OBJECTIVE PLAN)	RTOP Automation Project Workshop (Agency-wide)	September 26 - 27, 1984
RTOP (RESEARCH AND TECHNOLOGY OBJECTIVE PLAN)	Long Range System Design Technology RTOP (OAST)	1986
RTOP (RESEARCH AND TECHNOLOGY OBJECTIVE PLAN)	NASA RTOP Planning Schedules and Resource Utilization Factors	n.d.
RTOP (RESEARCH AND TECHNOLOGY OBJECTIVE PLAN)	FY 1981 RTOP (OAST)	May 1981
RTOP (RESEARCH AND TECHNOLOGY OBJECTIVE PLAN)	FY 1983 RTOP Call	February 9, 1982
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POP - PROGRAM OPERATING PLANS	POP 79-1 Guidelines (FY 1979)	February 1979
POP - PROGRAM OPERATING PLANS	Office of Space Flight Research and Development POP 79-1 Guidelines (FY 1981)	n.d.
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POP - PROGRAM OPERATING PLANS	FY 1980 Research and Development Programs Operating Plan POP 79-2	October 1979
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POP - PROGRAM OPERATING PLANS	Engineering and Development Advanced Development Program Response to POP 80-1	February 21, 1980
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POP - PROGRAM OPERATING PLANS	POP 87-1 New Initiatives and Budget Submission	1987

POP - PROGRAM OPERATING PLANS	Center Director's Review / OAST / OSTs / OSTO Program Operating Plans (POP) Presentation Material	1980 - 1985
POP - PROGRAM OPERATING PLANS	New Start Projects and Space Research and Technology Funding	1978, n.d.
POP - PROGRAM OPERATING PLANS	FY 1980 Annual Procurement Report	December 1980
POP - PROGRAM OPERATING PLANS	NASA FY 1985 Budget Briefing	February 1, 1984
POP - PROGRAM OPERATING PLANS	JSC Annual Procurement Report, FY 1985 - 1987	1985 - 1986
POP - PROGRAM OPERATING PLANS	JSC Research and Development Funding, FY 1974 - 1984	1985, n.d.
POP - PROGRAM OPERATING PLANS	OAST FY 1986 Funding Withdrawal	1986, n.d.
POP - PROGRAM OPERATING PLANS	Loftus Talk to Procurement Group, "The Budget Process"	c. 1986
POP - PROGRAM OPERATING PLANS	Estimated Resources Requirements, FY 1982- 1986	n.d.
POP - PROGRAM OPERATING PLANS	Budget and Resource Management Presentation Material	n.d.
POP - PROGRAM OPERATING PLANS	Research and Development (R & D) Funding Charts, 1968 - 1983	n.d.
POP - PROGRAM OPERATING PLANS	Budget Analysis FY 1970 - 1986, Comparison of Reagan and Carter Budget	n.d.
POP - PROGRAM OPERATING PLANS	OAST POP 86-1 Submission and Guidelines	1985 - 1986, n.d.
POP - PROGRAM OPERATING PLANS	OAST POP 86-2	1986
POP - PROGRAM OPERATING PLANS	POP 86-2 and Budget Marks	1986, n.d.
SubHeading:	Box Number: 26	
INSTITUTIONAL ASSESSMENT	JSC Organization Review Inputs and Comments	1972
INSTITUTIONAL ASSESSMENT	Center Roles Catalog	December 1976
INSTITUTIONAL ASSESSMENT	R & D Capability Retention Institutional Assessment	1977, 1979
INSTITUTIONAL ASSESSMENT	JSC Institutional Assessment	1977 - 1978, n.d.
INSTITUTIONAL ASSESSMENT	Institutional Assessment - Detailed Programmatic Assessments	c. 1982
SPACE SCIENCE	Space Science and Applications Subcommittee Presentation	February 27, 1981
SPACE SCIENCE	Space Science Board Summer Study Retreat, Snowmass, CO	July 26 - 30, 1982
SPACE SCIENCE	Space Science Board and Space Applications Board Summer Studies	1982
SubHeading:	Box Number: 27	
SPACE SCIENCE	FY 1981 Office of Space Transportation System Operating Plan	December 1970
SPACE SHUTTLE	Shuttle Energy Consumption Propellant Fuel Costs	1973 - 1975, n.d.
SPACE SHUTTLE	Shuttle Payload Activities Ad Hoc Team Meeting Minutes and Presentation Material	1974
SPACE SHUTTLE	STS User Charge Policy	1974 - 1976, n.d.
SPACE SHUTTLE	Space Shuttle User Charges Management Council Presentation	October 9, 1981
SPACE SHUTTLE	STS Level II Assessment Budget Needs, Performance Augmentation	1981
SPACE SHUTTLE	WTR Operations: Shared Flight (Shuttle & ELV) Issues, Battelle Presentations	1981 - 1982

SPACE SHUTTLE	Shuttle Derived Launch Vehicles	1981 - 1982
SPACE SHUTTLE	STS Launch Vehicle Symposium, MSFC	June 10 - 11, 1982
SPACE SHUTTLE	STS Presentation by I. Bekey - Permanent Presence in Space	June 22, 1982
SPACE SHUTTLE	Orbiter Fleet Considerations and Requirements / Launch Rate Presentations	1982, n.d.
SPACE SHUTTLE	Shuttle Processing Contract	1982, n.d.
SubHeading:	Box Number: 27A	
SPACE SHUTTLE - ADDENDUM	Space Shuttle Decision (including correspondence re: White House meeting with President Nixon)	January 1970 - March 1972
SPACE SHUTTLE - ADDENDUM	Space Shuttle Phase B and Early Phase C/D History	1970 - 1975
SPACE SHUTTLE - ADDENDUM	McKinsey and Company, Organizing for Effective STS Operations (including related memos and charts)	1979 - 1982, n.d.
SPACE SHUTTLE - ADDENDUM	Space Transportation System, Fleet Size and Related Issues Briefing for NASA Administrator	November 1980
SPACE SHUTTLE - ADDENDUM	Covington, Clarke The Role of the Space Operation Center	May 28, 1981
SPACE SHUTTLE - ADDENDUM	Lunney, Glynn S., Space Transportation Program Status	June 29, 1981
SPACE SHUTTLE - ADDENDUM	McCoy, Gene; "National Earth to Space Transportation System: A Concept for Operations"	September 26, 1981
SPACE SHUTTLE - ADDENDUM	The Space Transportation Company, Inc. (STC), Private Funding of Orbiter V and Marketing of the Space Transportation System(related materials included)	February - June 1982, n.d
SPACE SHUTTLE - ADDENDUM	Loftus, J.P., Management Retreat: SOC and OTV Programmatic Relationships to STS Operations	April 27, 1982
SPACE SHUTTLE - ADDENDUM	Aft Cargo Carrier, STS	1983 - 1984, n.d.
SPACE SHUTTLE - ADDENDUM	Spacelab Cost Assessments	1983 - 1984
SPACE SHUTTLE - ADDENDUM	STS Pricing / Architecture / Requirements / Orbiter Replacement	1983 - 1986
SubHeading:	Box Number: 27B	
SPACE SHUTTLE - ADDENDUM	Report to Congress on Shuttle Operations Fencing (Charles Gunn, Chairman)	December 1984
SPACE SHUTTLE - ADDENDUM	USAF Cancellation of the SOPC (Shuttle Operations Planning Center	1984 - 1985
SPACE SHUTTLE - ADDENDUM	Joint NASA / DoD Report, Definition of a Fully Operational and Cost Effective Space Transportation System	1984, May 6, 1985
SPACE SHUTTLE - ADDENDUM	Lunney, G. S., Perspective on STS Operations Cost Management (briefing charts)	February 28, 1985
SPACE SHUTTLE - ADDENDUM	Report of the Shuttle Operations Strategic Planning Group	March 7, 1985
SPACE SHUTTLE - ADDENDUM	Hughes Aircraft Company, Spacecraft Fueling in Orbiter Bay (briefing charts)	March 1985
SPACE SHUTTLE - ADDENDUM	NAPA Study, Corporate Option for Space Shuttle Program (STS Operations) (including follow-on presentations)	May - November 1985
SPACE SHUTTLE - ADDENDUM	National Research Council, Post-Challenger Assessment fo Space Shuttle Flight Rate and Utilization	October 1986
SPACE SHUTTLE - ADDENDUM	National Research Council, Post-Challenger Evaluation of Space	January 1988

	Shuttle Risk Assessment and Management	
SPACE SHUTTLE - ADDENDUM	Achievement of National Goals with the STS Program (briefing charts)	n.d.
SubHeading:	Box Number: 28	
SHUTTLE EXTENDED DURATION MISSION	Extended Mission Duration Miscellaneous Correspondence and Presentation Material	1978 - 1984, n.d.
SHUTTLE EXTENDED DURATION MISSION	Orbiter Electrical Power and Energy Status	July 25, 1978
SHUTTLE EXTENDED DURATION MISSION	Shuttle Energy Enhancement Study Presentation	September 22, 1978
SHUTTLE EXTENDED DURATION MISSION	Orbiter Power and Mission Duration Presentation	January 25, 1979
SHUTTLE EXTENDED DURATION MISSION	Shuttle Extended Mission Duration Power Options	March 26, 1979
SHUTTLE EXTENDED DURATION MISSION	Shuttle Detached Experiment Carrier Program Presentation	March 1979
SHUTTLE EXTENDED DURATION MISSION	Shuttle Sortie Mission Duration	November 24, 1980
SHUTTLE EXTENDED DURATION MISSION	Results of STS-1 Power Analysis on STS-2	July 2, 1981
SHUTTLE EXTENDED DURATION MISSION	Extended Mission Duration Presentations	1981 - 1984
SHUTTLE EXTENDED DURATION MISSION	Extended Duration Orbiter Presentation Material	1983, n.d.
SHUTTLE EXTENDED DURATION MISSION	Extended Duration Orbiter Presentation Material	1984, 1987 - 1988, n.d.
SHUTTLE EXTENDED DURATION MISSION	On-orbit Capability Growth Options Presentation	n.d.
SHUTTLE EXTENDED DURATION MISSION	Rockwell Presentation: Expanding Space Operations. Extended Duration / Permanent Presence	n.d.
SHUTTLE EXTENDED DURATION MISSION	Programmatic Assessment: Extended Duration Mission Options	n.d.
FIFTH CRYOGENIC TANK SET: SHUTTLE EXTENDED DURATION MISSION	Fifth Cryogenic Tank Set Option Shuttle Extended Duration Mission	1978 - 1981, n.d.
SubHeading:	Box Number: 29	
PEP: POWER EXTENSION PACKAGE. SHUTTLE EXTENDED DURATION MISSION	Power Extension Package (PEP) Correspondence	1978 - 1981, n.d.
PEP: POWER EXTENSION PACKAGE. SHUTTLE EXTENDED DURATION MISSION	Briefing to Dr. Kraft PEP Program Plan Options	December 18, 1978
PEP: POWER EXTENSION PACKAGE. SHUTTLE EXTENDED DURATION MISSION	PEP - Power Extension Package Status and FY 1980 Budget Summary	September 27, 1979, n.d.
PEP: POWER EXTENSION PACKAGE. SHUTTLE EXTENDED DURATION MISSION	Power Extension Package (PEP) Briefings to the Administrator	1979 - 1981
PEP: POWER EXTENSION PACKAGE. SHUTTLE EXTENDED DURATION MISSION	PEP Cost Summary and PEP, PM, SEPS and Solar Array Cost Charts	c. 1979, 1981
PEP: POWER EXTENSION PACKAGE. SHUTTLE EXTENDED DURATION MISSION	PEP - Power Extension Package User's Handbook (MDAC)	July 1980
PEP: POWER EXTENSION PACKAGE. SHUTTLE EXTENDED DURATION MISSION	JSC-17367 Power Extension Package Baseline Reference Mission, Vol. 1-3	June 1981
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	Power Module Correspondence	1977 - 1979, n.d.
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	Orbiter / 25 KW Power Module Interface Meeting Minutes	1977
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	Baseline OSM (Power Module) Interface Briefing	July 12, 1977

PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	SOW for Large Power Module Study	July 25, 1977
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	RFP No.9-BC241-A03-8-8P Orbital Service Module (OSM) Systems Analysis	December 1, 1977
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	MDAC Orbital Service Module (OSM) Systems Analysis, Vol. 1, Technical and Management Proposal	December 1977
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	PM - Orbiter Docking	1977
SubHeading:	Box Number: 30	
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	Power Module Briefings to the Administrator	1977 - 1978
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	MDAC OSM Systems Analysis Study Meeting Notes	March 2, 1978
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	Orbital Service Module Design Reference Mission	April 1978
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	MDAC Orbital Service Module Mid- Term Review Executive Summary	July 18, 1978
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	Power Module Briefing Material Lockheed Presentation to Yardley	July 28, 1978
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	MDAC. An Orbital Service Module Systems Concept	August 1978
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	Rockwell Presentation Material. Free- flying Power Module Studies (Final FY 1978 Report)	October 1, 1978
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	Orbital Service Module Program Proposal	November 20, 1978
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	MDAC, Orbital Service Module Systems Analysis Study Documentation, Vol. 1 - Executive Summary	December 1978
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	PM Roles and Missions	1978 - 1979, n.d.
PM: POWER MODULE. SHUTTLE EXTENDED DURATION MISSION	Lockheed. 25 KW Power Module Evolution Study Executive Summary	February 27, 1979
SubHeading:	Box Number: 31	
SPACE STATION	Space Platforms and Space Station Presentations	1981
SPACE STATION	Space Station Workshop Agenda	c. 1981
SPACE STATION	Space Station Status Briefing to Comptroller	May 20, 1982
SPACE STATION	Space Station Program Planning and Concepts (including Branscome review of Space Station Program and "Skunk Works" materials)	1982 - 1984
SPACE STATION	MS-SS-0276B, Preliminary Concept of Space Energetics and Environment Laboratory (SEEL), Orbital Operation (proximity operations)	August 31, 1984
SubHeading:	Box Number: 32	
SPACE STATION	Space Station Staffing	1984, n.d.
SPACE STATION	Loftus, J. P., Space Station Initiates Permanent Space Facility Development	c. 1984
SPACE STATION	Advanced Automation and Robotics for Space Station (Research and Technology)	1985, n.d.
SubHeading:	Box Number: 33	
STUDY REPORTS	An Integrated Program of Space Utilization and Exploration for the Decade 1970 to1980, Draft	July 10, 1969
STUDY REPORTS	Summary Forecast of the World Environment and Its Implications to NASA Planning, Draft	July 1, 1971

STUDY REPORTS	Study Digest, European Space Tug, Part 2	1971
STUDY REPORTS	Outlook for Space (including internal review draft of Executive Summary)	July 1975
STUDY REPORTS	Aerospace Industries Association of America, Inc., Research and Development: A Foundation for Innovation and Economic Growth	September 1980
STUDY REPORTS	Projection of Non-Federal Demand for Space Transportation Services Through 2000, An AIAA Assessment for the Office of Science and Technology Policy, The White House	January 19, 1981
STUDY REPORTS	NASA's Next Decade, A Program Planning Report, Prepared by JSC	August 1981
STUDY REPORTS	McCoy, Gene, National System for Transportation into Space, A Concept for Operations (with comments)	September 26, 1981
STUDY REPORTS	GAO Report MASAD-82-14, Consolidated Space Operations Center Lacks Adequate DoD Planning	January 29, 1982
STUDY REPORTS	Hay Associates, A Report of the Survey of NASA's Senior Executives and Managers	June 29, 1982
STUDY REPORTS	Aerospace Corporation, Systems Analysis of National Space Launch Possibilities	June 1982
STUDY REPORTS	Preparations for R&D Productivity: New Challenges for the U.S. Space Program, University of Houston Conference	September 10 - 11, 1985
STUDY REPORTS	Markley, O. W., Exploration of Factors Relevant to Strategic Planning and Management at the Johnson Space Center	1985, n.d.
STUDY REPORTS	OMB, International Competitiveness in Launch Services (including NASA response)	1985
STUDY REPORTS	National Space Transportation and Support Study, Civil Needs Database, Version 1.1, Volume 1: Summary Report	March 14, 1986
SubHeading:	Box Number: 34	
STUDY REPORTS	Markley, O.W., An Audit of Strategic Planning at the NASA Johnson Space Center: Views of the Mission Operations Directorate	April 1986
STUDY REPORTS	Public Policy Committee, AIAA, Requirements for a U.S. Expendable Launch Vehicle Capability, Report of a Workshop	June 25 - 27, 1986
STUDY REPORTS	Congressional Budget Office, Setting Space Transportation Policy for the 1990's	October 1986
STUDY REPORTS	GAO Report/NSIAD-87-81FS, Space Funding: NASA's Appropriations and DoD's Funding Estimates for Space Programs	February 1987
STUDY REPORTS	Congressional Budget Office, The 1988 Budget and the Future of the NASA Program, Staff Working Paper	March 1987
STUDY REPORTS	National Space Launch Program, Report to Congress	March 14, 1989
COMMUNITY COOPERATION	University of Houston - Clear Lake Testing and Analysis of Software Tools, Architectures, and DoD ADA Language Products	January - October 1983
COMMUNITY COOPERATION	University Programs	1984 - 1987
COMMUNITY COOPERATION	Houston Area Research Center	1985 - 1988

	(HARC)	
COMMUNITY COOPERATION	Houston Economic Development Council, (re: economic diversification)	1985 - 1987
COMMUNITY COOPERATION	UH - Clear Lake and NASA / JSC RICIS Steering Committees (Research Institute for Computing and Information Systems)	November 21, 1986
COMMUNITY COOPERATION	Clear Lake Area Economic Development Foundation, Aerospace Task Force, Long Range Planning Committee	1986 - 1987, n.d.
SubHeading:	Box Number: 35	
LUNAR / MARS MISSIONS	Manned Missions Beyond Earth Orbit Meeting, Presentation Material	January 8, 1986
LUNAR / MARS MISSIONS	Mars Rover Sample Return Mission (including technology requirements)	1987
LUNAR / MARS MISSIONS	New Initiatives Habitability Concepts	March 30, 1989
LUNAR / MARS MISSIONS	Outfitting Concepts for Lunar Habitats	September 30, 1989
LUNAR / MARS MISSIONS	Kitmacher, Gary H., Outfitting for Lunar and Planetary Habitats	1989
SubHeading:	Box Number: 35 *	
LUNAR / MARS MISSIONS	Manned Mars Mission * This 247 page document has been scanned	1984 - 1985