

CENTER SERIES

MISSION OPERATIONS

The Mission Operations function at the Johnson Space Center is difficult to define. In very broad terms it is responsible for: - Flight Safety and Mission Success. - Ground data processing and command requirements for flight control. - Training and simulation requirements. - Spacecraft, flight crew, and flight control plans and procedures. - Operational contributions to the development of spacecraft and payload support systems. - Flight systems evolution. - Control authority for flight rules. - Flight techniques integration. - Flight Director of Mission Control Center operations. At various times in the organizational history of the Center, "mission operations" has included elements of the Flight Support function that manages major computational facilities like the Mission Control Center, mission simulators, and the flight software production facility. It has also been aligned closely with the Flight Crew Operations Directorate that prepares astronauts for each mission. Where possible, materials related specifically to the Mission Control Center or to the Astronaut corps are filed in separate subseries. However, the close relationship of all these major line organizations, despite the current configuration of the organization chart, makes it difficult to draw solid lines between them. The researcher is asked to bear in mind the overall operational role of JSC when examining this subseries. The materials in it have come piecemeal from a number of division offices and are not complete. Correspondence is filed chronologically by mail code. Reports are filed chronologically. Of particular interest are a group of Flight Operations Planning meeting minutes (FOP) from the Apollo era and Flight Techniques Panel meeting minutes from the Shuttle era. These gatherings brought together cognizant personnel from Flight Support, Flight Crew Operations, Mission Operations, and Engineering and Development to plan mission objectives and establish operational procedures.

Inventory

SubHeading:	Box Number: 01	
	Apollo-202 Mission Operations Plan Meetings	1964 - 1965
	SA-207A Flight Operations Plan Meetings	1965 - 1966
	Apollo-4 (AS-501) Flight Operations Plan Meetings	1965 - 1966
	Apollo-6 (AS-502) Flight Operations Plan Meetings	1966
	Apollo-7 (AS-205) Flight Operations Plan Meetings	1967
SubHeading:	Box Number: 02	
	Apollo-7 (AS-205) Flight Operations Plan Meetings	1967
	Apollo-8 (AS-503) Flight Operations Plan Meetings	1966 - 1967
SubHeading:	Box Number: 03	
	Apollo-9 (AS-504) Flight Operations Plan Meetings	1967 - 1968
	Apollo-10 (AS-505) Flight Operations Plan Meetings	1967 - 1969
SubHeading:	Box Number: 04	
	Apollo-11 (AS-506) Flight Operations Plan Meetings	1966 - 1968
SubHeading:	Box Number: 05	
	Apollo-11 (AS-506) Flight Operations Plan Meetings	1966 - 1969
	Lunar Orbit Science Mission Plan Meetings	1970
	Lunar Surface Reference Mission Plan Meetings	1970
SubHeading:	Box Number: 06	
	Apollo-17 (AS-512) Flight Operations Plan Meetings	1969 - 1970
	Second Advanced Flight Operations Planning Meeting	July 5, 1967

	AS-201 (sub-orbital) Mission Operations Plan	1965 - 1966
	ALSEP, Flight Control Experiments Operations Plan, First Manned Lunar Mission	September 6, 1967
	Flight Operations Plan, AS-205/101 (Apollo-7)	April 1, 1968
	On-Orbit Flight Techniques Panel Meeting Minutes and Agenda	January - December 1989
	Stabilized Payload Deployment System Flight Techniques Panel Meeting Minutes and Agenda	March - December 1989
	Tethered Satellite System Flight Techniques Panel Meeting Minutes and Agenda	May - December 1989
SubHeading:	Box Number: 06A	
	Ascent / Entry Flight Techniques Panel Meeting Minutes and Agenda	February - November 1989
MOD TRAINING	Flight Control Handbook for Experimenters	April 13, 1967
MOD TRAINING	"Introduction to Flight Control" Handout, Rev. A	March 1, 1968
MOD TRAINING	MOD Training Class, Flight Rules	June 1987
MOD TRAINING	MOD Training Class, MOD Technical References, Meetings, and Schedules	June 1987
MOD TRAINING	MOD Training Class, Phase I Training	June 1987
MOD TRAINING	MOD Training Class, Real - Time Support	October 16, 1987
MOD TRAINING	MOD Training Class, NASA / JSC Organizational Overview	n.d.
MOD TRAINING	MOD Training Class, Security Briefing for Mission Operations	n.d.
MOD TRAINING	MOD Training Class, Procurement Overview	n.d.
MOD TRAINING	MOD Training Class, Flight Design Overview	n.d.
MOD TRAINING	MOD Training Class, Flight Training Overview	n.d.
MOD TRAINING	MOD Training Class, Crew Activity Planning / Flight Data Files	n.d.
SubHeading:	Box Number: 07	
REPORTS	FCH-1, Project Mercury Flight Controller Handbook	July 15, 1961
REPORTS	Preliminary Project Proposal Document, Data Relay Satellite System, Flight Operations Directorate	January 1968
REPORTS	AAP Experiments Flight Control Data Requirements (related document attached)	January - February 1969
REPORTS	Flight Support Division, Skylab Operations Plan	August 26, 1970
REPORTS	MSFC / MSC Directors' Meeting, Skylab Flight Operations	August 28, 1970
REPORTS	FOD / MOD Management Guide including: 1)JSC-09000, Flight Operations Directorate Management Guide, 2) Astronaut Standard Operating Procedures, 3) Flight Operations Directorate Program Support and Management Plan, 4)Flight Operations Directorate Manpower Utilization System Operating Instructions, 5) MOD Orientation Manual, 6) Administrative Procedures and MOD Signature Authority	1974 - 1976, 1985 - 1987

REPORTS	STS Flight Operations Management	August 19, 1981
REPORTS	JSC-18677, STS Operations Guidelines and Constraints	December 1982
SubHeading:	Box Number: 07A	
REPORTS	Hay Management Consultants, Mission Operations Directorate, Human Resource Practices Audit, Final Report	December 11, 1985
REPORTS	JSC-20349, Mission Operations Directorate Orientation Manual	December 15, 1985
MOD Focus	Mission Operations Directorate Newsletter	1985 - 1992
MOD Focus	JSC-19933, Flight Data File Timeline Format Definitions and Standard Notes, Revision B	May 25, 1987
MOD Focus	MOD Systems Planning, Mission Operations Directorate	June 15, 1987
MOD Focus	FADS (Flight Analysis and Design System) Operational Concepts Document, Preliminary, Version 2	October 22, 1987
MOD Focus	Preliminary Flight Analysis and Design System (FADS) Level A Requirements Issues and Change Disposition	October 28, 1987
MOD Focus	MOD Ten - Year Plan, 1988 - 1998. A Time of Opportunity	December 1987
MOD Focus	Flight Operations Reunion for the 20th Anniversary of the First Manned Lunar Landing, 1969 - 1989	1989
MOD Focus	Kranz, Eugene F. and Kraft, Christopher C., "System Engineering and Integration Processes of the National Aeronautics and Space Administration"	December 19, 1990
MOD Focus	Mission Control Center Positions, MCC Floor Plan, Flight Director Manning, MCC Plaques	n.d.
MOD Focus	MOD Documentation List	n.d.
SubHeading:	Box Number: 07B	
MOD Focus	Miscellaneous Flight Operations Correspondence (2 folders)	1962 - 1979, n.d.
SubHeading:	Box Number: 08	
MOD Focus	Payload Operations Correspondence (Code CF & DH) (7 folders)	1981 - June 1982
SubHeading:	Box Number: 09	
MOD Focus	Payload Operations Correspondence (Code CF & DH) (6 folders)	July - November 1982
SubHeading:	Box Number: 10	
MOD Focus	Payload Operations Correspondence (Code CF & DH) (7 folders)	Dec 1982 - May 11, 1983
SubHeading:	Box Number: 11	
MOD Focus	Payload Operations Correspondence (Code CF & DH) (7 folders)	May 12, 1983 - 1986
SubHeading:	Box Number: 12	
MOD Focus	Flight Support Division Correspondence (Code FS) (8 folders)	1969 - August 1971
SubHeading:	Box Number: 13	
MOD Focus	Flight Support Division Correspondence (Code FS) (8 folders)	September 1971 - December
SubHeading:	Box Number: 14	
MOD Focus	Flight Support Division Correspondence (Code FS) (7 folders)	1975 - 1981
SubHeading:	Box Number: 5	
	H and J Series Missions Flight Operations Plan Meetings	1969 - 1970