Avitabile, James J., Papers

James J. Avitabile Papers

1963-2001

Title Statement

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Author: John M. Jackson, Archivist, and Kat Zinn, Archivist

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2025-02-28 Ella Winterling added Existence and Location of Copies.

Descriptive Summary

Unit ID

Ms.2001.057

Unit Date

1963-2001

Language

The materials in the collection are in English.

Abstract

This collection contains materials related to the Mercury, Gemini, and Apollo space exploration programs of the National Aeronautics and Space Administration (NASA). Containing mostly technical data on spacecraft systems design and operation, the collection provides a detailed look at NASA systems engineering during the early to mid 1960s.

Creator
Avitabile, James J.

Extent
14 Cubic Feet 27 boxes; 2 oversize folders

Repository
Special Collections and University Archives, Virginia Tech

Administrative Information

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Source of Acquisition
The James J. Avitabile Papers were donated to Special Collections and University Archives in 2001.

Processing Information
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Additional arrangement and description of the James J. Avitabile Papers was completed as part of the project, "Piercing the Veil: Creating Access to the Archives of American Aerospace Exploration at Virginia Tech," funded by the National Historical Publications and Records Commission (NHPRC) in 2024.

Preferred Citation
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Biographical Note

James J. Avitabile, an air force officer from East Haven, Connecticut, graduated from the University of Connecticut and obtained an MBA from Western New England College. He entered the United States Air Force in 1959. During his career, Lieutenant Colonel Avitabile served as an Atlas E operations launch officer and as an astronaut mission operations instructor at NASA's spacecraft simulator complex responsible for astronaut mission flight training at Cape Canaveral/Kennedy from 1965 to 1967. He also served in the Air Force's Manned Orbiting Laboratory (MOL) Program Office; as airborne test director for the E-3A Airborne Warnings and Control Systems (AWACS) Aircraft; and as activation director for the AWACS Operating Base. He was a member of the Cadre Office at NATO, responsible for the fielding of the NATO AWACS system and was a program director responsible for the acquisition of Air Force Command and Control Systems. Upon retiring from the Air Force, Lt. Col. Avitabile worked for General Electric, where he directed military and commercial space programs. Lt. Col. Avitabile and his wife Maria have three daughters and eight grandchildren.

Scope and Content

This collection contains materials related to the Mercury, Gemini, and Apollo space exploration programs of the National Aeronautics and Space Administration (NASA). Containing mostly technical data on spacecraft systems design and operation, the collection provides a detailed look at NASA systems engineering during the early to mid 1960s. The collection is divided among the following series:

Series I: NASA Programs, 1963-1967, n.d., contains in-house technical publications detailing spacecraft systems design and procedures and is divided among three subseries. Together, these subseries chronicle the development and evolution of spacecraft systems design and procedures which culminated in the first lunar landing.

Subseries A: Project Mercury, 1963, n.d., contains one technical report and an historical overview of the program.

Subseries B: Project Gemini, 1963-1966, n.d., is much more extensive, and includes such items as operations handbooks, systems diagrams, briefing outlines, reports and mission simulator manuals.

Subseries C: Project Apollo, 1964-1967, n.d., contains similar materials, in addition to spacecraft manuals, study guides and charts.

Series II: NASA Computer Systems, 1962-1966, n.d., includes programmer manuals for the various computer systems used by NASA during the Mercury, Gemini and Apollo programs. The majority of the materials in this series concern the DDP general computer system.

Series III: NASA Public Information, 1962-1991, n.d., consists of materials which were produced for public education, unlike the previous series. The series contains NASA Fact Sheets and NASA Educational Briefs, other general public information booklets, a symposium report and a set of astronaut photo portraits, all produced to familiarize the public with NASA's activities, personnel and facilities.

Series IV: General Materials, 1969-2001, n.d., contains materials related to space exploration but not produced by NASA. The series includes magazine articles and a "Sounds of Space" recording.

Separated Material

The following items were transferred to the Rare Book Collection:

Kinney, William A., *Medical science and space travel* (New York: F. Watts, [1959]).

Kluger, Jeffrey, *The Apollo adventure: the making of the Apollo Space Program and the movie Apollo 13* (New York: Pocket Books, 1995).

Ley, Willy, et al., *The complete book of satellites and outer space* (New York: Maco, 1957).

Mallan, Lloyd, *Secrets of space flight* (Greenwich, Conn.: Fawcett Publications, 1956).

Mallan, Lloyd, *Space satellites* (Greenwich, Conn.: Fawcett Publications, 1958).

Mehrens, Harold E., *The dawning space age* (Ellington Air Force Base, Texas: Civil Air Patrol, 1963).

Space... the new frontier (Washington, D. C.: National Aeronautics and Space Administration, 1964).

Von Braun, Wernher, *Conquest of the moon* (New York: Viking Press, 1953).

Keywords

Archives of American Aerospace Exploration (AAAE)
Science and Technology
United States -- National Aeronautics and Space Administration -- Officials and employees
Avitabile, James J.
United States. National Aeronautics and Space Administration

Existence and Location of Copies

Some of this collection has been digitized and is available online.

Rights Statement for Archival Description

Arrangement

The collection is arranged according to subject matter in the following series:

Series I: NASA Programs, 1963-1967, n.d. This series has been further divided into the following subseries:

Subseries A: Project Mercury, 1963, n.d.

Subseries B: Project Gemini, 1963-1966, n.d.

Subseries C: Project Apollo, 1964-1967, n.d.

Series II: NASA Computer Systems, 1962-1966, n.d.

Series III: NASA Public Information, 1962-1991, n.d.

Series IV: General Materials, 1969-2001, n.d.

Description of Subordinate Components

Series I: NASA Programs

Unit Date 1963-1967, n.d.

Subseries A: Project Mercury

Unit Date 1963, n.d.

Afterbody Heat Transfer Measurements Obtained During Reentry of the Spacecraft of the Mercury-Atlas 5 Mission

Unit Date 1963

box-folder 1 (box)

Container 1 (folder)

Mercury Technical History (2 folders)

Unit Date n.d.

box-folder 1 (box)

Container 2 (folder)

Subseries B: Project Gemini

Unit Date 1963-1966, n.d.

Project Gemini Familiarization Manual for Spacecraft #1

Unit Date July 18, 1963

box-folder 1 (box)

Container 3 (folder)

Gemini Spacecraft 3 - general materials

Unit Date 1964-1965, n.d.

box-folder 1 (box)

Container 4 (folder)

Scope and Content

Systems diagrams, 1964-1965; Instrument panel diagram, n.d.

Gemini Spacecraft 3 - general materials (from Box 1, Folder 4)

Unit Date 1964-1965

oversize 1 (folder)

Scope and Content

Scope and Content

- Systems diagrams, 1964-1965
- Attitude Control and Maneuver Electronics, Nov. 1, 1964
- Environmental Control - Oxygen, Nov. 9, 1964
- Electric Battery Control, Nov. 1, 1964
- Environmental Control - Coolant, Dec. 4, 1964
- Environmental Control - Life Support, Dec. 1, 1964
- Environmental Control System - Coolant Loop, Nov. 11, 1964
- Flight Directory and Attitude Display Indicators, Jan. 29, 1965
- IGS-ACC and Attitude Malfunction Detection, Jan. 22, 1965
- IGS-Clock, 400~Power and Accelerometer, Jan. 22, 1965
- IGS-Platform Control, Feb. 4, 1965
- IGS (Power and Control), Jan. 22, 1965

- Manual Data Insertion Unit, Dec. 18, 1964
- Orbit Attitude and Maneuver propulsion, Nov. 1, 1964
- Orbit Attitude and Maneuver, Jul. 21, 1964
- Re-entry Control, Nov. 1, 1964
- Retrograde Seq., Nov. 1, 1964
- Sequential - Landing and Post-landing, Nov. 1, 1964
- Time Reference, Jan. 19, 1965
- Voice Communications, Nov. 9, 1964
- Communications - Digital Command, Nov. 9, 1964
- Communications - Beacon Control, Nov. 5, 1964
- BIA-SEQ., Dec. 21, 1964

Gemini Spacecraft 4 - general materials

Unit Date April 7, 1965, n.d.

box-folder 1 (box)

Container 5 (folder)

Scope and Content

BIA-SEQ. (GLV Interface), Apr. 7, 1965 (see Oversize Materials); Instrument Panel Diagram, n.d.

Gemini Spacecraft 4 - general materials (from Box 1, Folder 5)

Unit Date Apr. 7, 1965

oversize 1 (folder)

Scope and Content

BIA-SEQ. (GLV Interface)

Gemini Spacecraft 5 - general materials

Unit Date 1965

box-folder 1 (box)

Container 6 (folder)

Scope and Content

Instrument panel diagram, Feb. 3, 1965; Launch Vehicle Guidance and Control Subsystem diagram, Jun. 25, 1965; Fuel Cell Power System Briefing, 1965

Gemini Spacecraft 6 Operations Handbook

Unit Date 1965

box-folder 1 (box)

Container 7-9 (folder)

Scope and Content

Content

- Section I - Systems, [1965] (3 folders)
- Section II - Controls and Displays, Sept. 10, 1965 (2 folders)
- Section II - Controls and Displays (Revision B), Nov. 24, 1965

Gemini Spacecraft 6 Operations Handbook

Unit Date 1965

box-folder 2 (box)

Container 1-2 (folder)

Scope and Content

Content

- Section III - Spacecraft Operations Procedures, Oct. 3, 1965
- Section III - Spacecraft operations Procedures (Revision B), Nov. 26, 1965

Gemini Spacecraft 6 - Flight Data

Unit Date n.d.

box-folder 2 (box)
Container 3 (folder)

Gemini Spacecraft 7 - general materials
Unit Date 1965-1966
box-folder 2 (box)
Container 4 (folder)
Scope and Content
Content

- Instrument panel diagram, Apr. 16, 1965
- Fuel Cell Power System Briefing, Nov. 9, 1965
- Reactant Supply System Fuel Cell Performance Analysis, Mar. 9, 1966

Gemini Agenda Operations Handbook - Vehicle 5003 [Gemini VIII] (2 folders)
Unit Date Jan. 21, 1966
box-folder 2 (box)
Container 5 (folder)

Gemini VIII - General materials
Unit Date 1965-1966
box-folder 2 (box)
Container 6 (folder)
Scope and Content
Content

- Mission Profile, Jan. 20, 1966
- Normal Phase Pane Detail, Jan. 25, 1965
- Launch Windows, Jan. 25, 1966
- Instrument panel diagram, Feb. 11, 1966
- Astronaut Briefing: Communication Systems, Apr. 6, 1966
- Rendezvous procedures, [1966]

Gemini-Titan 9 Cape Gemini Mission Simulator Configuration
Unit Date 1966
box-folder 2 (box)
Container 7 (folder)

Gemini IX
Unit Date 1966
box-folder 2 (box)
Container 8-10 (folder)
Scope and Content
Content

- Orbital and Rendezvous Report, Apr. 14, 1966
- Preflight Reentry Report, Apr. 14, 1966
- Flight Plan, Apr. 18, 1966 (2 folders)

Gemini IX
Unit Date 1966
box-folder 3 (box)
Container 1-4 (folder)
Scope and Content
Content

- Operations Handbook (Revision C), May 20, 1966 (3 folders)
- Mission Rules (Revision G), May 25, 1966 (3 folders)
- Mission Plan/Preliminary Trajectory Plan, [1966]
- General Materials
- Preliminary Mission Profile [cover and title pg. only], Jan. 18, 1966
- Astronaut Briefing: Propulsion, Apr. 7, 1966
- Spacecraft 9 Power System Review, [1966]
- Bus power diagram, [1966]
- Command Pilot Rendezvous Book, [1966]
- Instrument panel diagram, [1966]
- Astronaut Briefing: Environmental Control System, [1966]

Gemini IX-A Flight Plan (2 folders)

Unit Date May 21, 1966

box-folder 3 (box)

Container 5 (folder)

Gemini X Operations Handbook

Unit Date 1966

box-folder 4 (box)

Container 1-2 (folder)

Scope and Content

Content

- Section II (Preliminary) - Controls and Displays, May 20, 1966 (3 folders)
- Section III - Spacecraft Operations Procedures, May 10, 1966 (2 folders)

Gemini X - general materials

Unit Date 1966

box-folder 4 (box)

Container 3 (folder)

Scope and Content

Content

- Instrument panel diagram, May 20, 1966
- >Non-Nominal Reset Points, Jun. 9, 1966
- Launch/Reentry Exercises, Jun. 13, 1966
- Gemini-Titan X/SNS/01, Jun. 13, 1966
- Gemini-Titan X/SNS/02, [1966]
- Gemini-Titan X/SNS/04, [1966]

Gemini XI - proposed procedures

Unit Date 1966

box-folder 4 (box)

Container 4 (folder)

Gemini XII - Cape Gemini Mission Simulator Configuration

Unit Date Nov. 22, 1966

box-folder 4 (box)

Container 5 (folder)

Gemini Systems

Unit Date 1963

box-folder 4 (box)

Container 6 (folder)

Operations Manual for Gemini Mission Simulator (3 folders)
Unit Date Dec. 18, 1963
box-folder 4 (box)
Container 7 (folder)

Gemini Mission Simulator Fault Summary (2 folders)
Unit Date Jan. 6, 1964
box-folder 5 (box)
Container 1 (folder)

Gemini Mission Simulator Software Support
Unit Date Aug. 1964
box-folder 5 (box)
Container 2 (folder)

Gemini Launch Data System Data Book
Unit Date Jan. 22, 1965
box-folder 5 (box)
Container 3 (folder)

Gemini Overall Operations Countdown: Gemini Missions
Unit Date Feb. 7, 1966
box-folder 5 (box)
Container 4 (folder)

Augmented Target Docking Adaptor - Performance/Configuration Specification [Gemini Program] (Revised)
Unit Date Apr. 7, 1966
box-folder 5 (box)
Container 5 (folder)

Project Gemini Familiarization Manual [v.2]: Rendezvous and Docking Configurations (3 folders)
Unit Date Aug. 22, 1966
box-folder 5 (box)
Container 6 (folder)

Project Gemini - general materials
Unit Date 1965-1966, n.d.
box-folder 6 (box)
Container 1 (folder)

Project Gemini - general materials (from Box 6, Folder 1)
Unit Date 1963-1966, n.d.
oversize 2 (folder)
Scope and Content
Content

- Floor Plan - Cape Canaveral Gemini Mission
- Instrument panel diagrams, n.d. [2 items]
- Environmental Control System - Coolant Circuit
- Environmental Control System - Oxygen Circuit diagram, n.d.

Subseries C: Project Apollo
Unit Date 1964-1967, n.d.

AS-202 Operational Spacecraft Flight Trajectory
Unit Date Jul. 18, 1966
box-folder 6 (box)
Container 2 (folder)

Apollo Mission Simulator: Instructor Handbook - Spacecraft 012 (5 folders)
Unit Date Apr. 15, 1966
box-folder 6 (box)
Container 3 (folder)
Scope and Content
[AS-204A]/v. 1 - Description and Utilization

Apollo Mission Simulator: Instructor Handbook - Spacecraft 012 (from Box 6, Folder 3)
Unit Date Apr. 15, 1966
oversize 2 (folder)
Scope and Content
[AS-204A]/v.1 - Description and Utilization - system diagrams [12 items]

Apollo Mission Simulator: Instructor Handbook - Spacecraft 012 (10 folders)
Unit Date Apr. 15, 1966
box-folder 7 (box)
Container 1 (folder)
Scope and Content
[AS-204A]/v. 2 - Instructor Workbook

Crew Abbreviated Checklist - AS-204A
Unit Date Apr. 15, 1966
box-folder 7 (box)
Container 2 (folder)

Command Service Module System Handbook: AS-204 (Revision A) (3 folders)
Unit Date Aug. 1, 1966
box-folder 8 (box)
Container 1 (folder)

Apollo AS-204A Flight Plan (Preliminary)
Unit Date Sept. 6, 1966
box-folder 8 (box)
Container 2 (folder)

Mission Rules - AS 204A Flight Plan (Preliminary) (2 folders)
Unit Date Sept. 9, 1966
box-folder 8 (box)
Container 3 (folder)

Apollo Operations Handbook: 204 A
Unit Date Sept. 16, 1966
box-folder 8 (box)
Container 4 (folder)

Saturn Launch Vehicle AS-204 (Revision A) (3 folders)
Unit Date Oct. 21, 1966
box-folder 8 (box)
Container 5 (folder)

Flight Crew Launch Abort Mode Selection Charts for Mission AS-204A
Unit Date Oct. 21, 1966
box-folder 9 (box)
Container 1 (folder)

Apollo Operations Handbook: Command Service Module Spacecraft 012 - AS204A [fragments]
Unit Date Apr. 15, 1966
box-folder 9 (box)
Container 2 (folder)

Apollo Operations Handbook: Command Service Module Spacecraft 012 (5 folders)
Unit Date Nov. 12, 1966
box-folder 9 (box)
Container 3 (folder)

Command Service Module Spacecraft 012 Subsystem - Operating Logic Schematics (2 folders)
Unit Date 1966
box-folder 9 (box)
Container 4 (folder)

Apollo II Astronaut/Command Module Computer Logic
Unit Date 1967
box-folder 9 (box)
Container 5 (folder)

Command Service Module System Handbook AS-501 (3 folders)
Unit Date Jan. 16, 1967
box-folder 10 (box)
Container 1 (folder)

Mission Rules: 204 LM-1 (Preliminary) (2 folders)
Unit Date May 22, 1967
box-folder 10 (box)
Container 2 (folder)

Lunar Module Systems Handbook: AS-204/LM-1
Unit Date 1967
box-folder 10 (box)
Container 3-4 (folder)
Scope and Content

Content

- (Revision C), Jul. 7, 1967 (2 folders)
- (Revision C - Reprint), Aug. 2, 1967 (2 folders)

Apollo Guidance Navigation and Control: Guidance System Operations Plan LM-1 Using Burst Program (2 folders)

Unit Date Jul. 1967

box-folder 11 (box)

Container 1 (folder)

Apollo Operations Handbook: Command Service Module Spacecraft 014 [AS-205] - Spacecraft and Systems Description (v.1) (4 folders)

Unit Date Oct. 17, 1966

box-folder 11 (box)

Container 2 (folder)

Saturn Launch Vehicle AS-205 (3 folders)

Unit Date Oct. 25, 1966

box-folder 11 (box)

Container 3 (folder)

Flight Crew Abbreviated Checklist: Mission AS-205/208 Apollo Spacecraft 101

Unit Date Feb. 13, 1967

box-folder 12 (box)

Container 1 (folder)

Crew Abbreviated Checklist: Mission AS-205/208A Apollo Spacecraft 101 (2 folders)

Unit Date Mar. 1, 1967

box-folder 12 (box)

Container 2 (folder)

AS 205/208 - general materials

Unit Date 1967

box-folder 12 (box)

Container 3 (folder)

Scope and Content

Content

- Command Service Module Systems Handbook: Command Service Modules 101 - Publication and Control Sheet, Apr. 28, 1967
- Apollo Guidance and Navigation - [AS-205/208], Jun. 1967
- >Apollo Orbital Charts and Procedures - [AS 205/208],[1967]

Lunar Module Systems Handbook Vehicle LM-1: AS-206

Unit Date 1966-1967

box-folder 12 (box)

Container 4-5 (folder)

Scope and Content

Content

- (Revision A), Oct. 27, 1966 (3 folders)
- (Revision B), Mar. 16, 1967 (3 folders)

Lunar Module Systems Handbook Vehicle LM-1: AS-206 (Revision B - Replacement Pages)
Unit Date Apr. 21, 1967
box-folder 13 (box)
Container 1 (folder)

Lunar Module Abort Guidance System - AS-207/208 (Revision B - Preliminary) (2 folders)
Unit Date Jan. 4, 1967
box-folder 13 (box)
Container 2 (folder)

Apollo Operations Handbook - LEM2 Subsystems Data [AS-207/208A]
Unit Date Sept. 1, 1966
box-folder 13 (box)
Container 3 (folder)

AS-278A Astronaut/Lunar Module Guidance Computer Logic [AS-207/208A] (2 folders)
Unit Date n.d.
box-folder 13 (box)
Container 4 (folder)

Electrical Power Subsystem, Electroexplosive Devices, and Lighting System Briefing
Unit Date 1967
box-folder 13 (box)
Container 5 (folder)

Environmental Control System Briefing (Revised)[AS-207/208A]
Unit Date Aug. 29, 1967
box-folder 13 (box)
Container 6 (folder)

Reaction Control System and Propulsion System Briefing [AS-207/208A]
Unit Date 1967
box-folder 13 (box)
Container 7 (folder)

Saturn IB Orientation Course (4 folders)
Unit Date c.1964
box-folder 13 (box)
Container 8 (folder)

Lunar Excursion Module Familiarization Manual (2 folders)
Unit Date Oct. 15, 1965
box-folder 14 (box)
Container 1 (folder)

Lunar Excursion Module Guidance and Control Data Book (Revision 1 - Change A) (4 folders)
Unit Date Dec. 1, 1966
box-folder 14 (box)
Container 2 (folder)

Lunar Module Guidance and Control Data Book (Revision 2) (3 folders)
Unit Date Jul. 15, 1967
box-folder 14 (box)
Container 3 (folder)

Lunar Module Abbreviation List (3 folders)
Unit Date 1967
box-folder 15 (box)
Container 1 (folder)

Lunar Module Orientation (Revised)
Unit Date Nov. 1966
box-folder 15 (box)
Container 2 (folder)

Lunar Module Study Guide
Unit Date 1967
box-folder 15 (box)
Container 3-6 (folder)
Scope and Content
Content

- Communications Subsystem (Revision C), Jan. 1967
- Control Electronics Section and Abort Guidance Section, Feb. 1967 (2 folders)
- Crew Systems, Feb. 1967 (3 folders)
- Electrical Power Subsystem, Jan. 1, 1967

Lunar Module Study Guide
Unit Date 1966
box-folder 16 (box)
Container 1-3 (folder)
Scope and Content
Content

- Environmental Control Subsystem (Revised), Dec. 1966 (2 folders)
- Guidance, Navigation and Control Subsystem, Mar. 1, 1966 (2 folders)
- Instrumentation Subsystem (Revised), Nov. 1966 (3 folders)

Lunar Module Study Guide
Unit Date Feb. 1967
box-folder 16 (box)
Container 4-5 (folder)
Scope and Content
Content

- Propulsion and Reaction Control System, Feb. 1967 (2 folders)
- Radars, Feb. 1967 (2 folders)

Lunar Module Study Guide
Unit Date Feb. 15, 1967
box-folder 17 (box)
Container 1 (folder)
Scope and Content
Structures, Mechanical Systems and Electroexplosive Devices (2 folders)

Lunar Module Primary Guidance and Navigation and Control System Student Study Guide

Unit Date 1967

box-folder 17 (box)

Container 2-4 (folder)

Scope and Content

Content

- Familiarization Course (Revision A), Jan. 20, 1967 (2 folders)
- System Mechanization, Jan. 27, 1967 (5 folders)
- Computer Utility Programs (Revision A), Apr. 5, 1967 (3 folders)

Command Module Primary Guidance and Navigation and Control System Student Study Guide

Unit Date 1966

box-folder 18 (box)

Container 1-2 (folder)

Scope and Content

Content

- Familiarization Course (Revision A), Feb. 15, 1967 (3 folders)
- Computer Utility Programs, Mar. 2, 1967 (3 folders)

Apollo Block II Command Service Module Guidance and Control Data Book (Revision 2) (3 folders)

Unit Date Sept. 1, 1966

box-folder 18 (box)

Container 3 (folder)

Apollo Operations Handbook

Unit Date 1967

box-folder 19 (box)

Container 1-5 (folder)

Scope and Content

Content

- Block II Spacecraft (v.1 - Spacecraft Description), Mar. 1, 1967 (5 folders)
- Command Service Modules Block II (Preliminary)
- Service Propulsion System (Subsection 2.4), Mar. 1, 1967
- Environmental Control System (Subsection 2.7), Feb. 1, 1967
- Telecommunications System (Subsection 2.8), Mar. 1, 1967
- Sequential Systems (Subsection 2.9), Feb. 1, 1967

Command Service Module Lunar Module Docking and Crew Transfer: Block II Handout

Unit Date Feb. 7, 1967

box-folder 19 (box)

Container 6 (folder)

Apollo Training

Unit Date 1967

box-folder 19 (box)

Container 7-10 (folder)

Scope and Content

Content

- Block II Command Service Modules Propulsion Subsystem, Feb. 23, 1967
- Electrical Power Subsystem, Feb. 22, 1967
- Guidance and Control Systems - Block II, Mar. 31, 1967 (2 folders)

- Telecommunications System, Feb. 15, 1967

Apollo Training Study Guide

Unit Date 1965-1966

box-folder 20 (box)

Container 1-6 (folder)

Scope and Content

Content

- Crew Equipment, Apr. 1, 1966
- Crew Systems, Mar. 1, 1965
- Electrical Power System, Oct. 1, 1965
- Environmental Control Subsystem, Feb. 18, 1966
- Guidance and Navigation Subsystem, Mar. 25, 1966
- Stabilization and Control Subsystem, May. 9, 1966

Lunar Module Simulator Malfunction Repertoire

Unit Date Dec. 20, 1966

box-folder 20 (box)

Container 7 (folder)

Lunar Module Mission Simulator - Instructors Handbook (5 folders)

Unit Date Apr. 1, 1967

box-folder 20 (box)

Container 8 (folder)

Scope and Content

v.1 - Simulator Description

Lunar Module Mission Simulator - Instrutors Handbook

Unit Date 1967

box-folder 21 (box)

Container 1-2 (folder)

Scope and Content

Content

- v.2 - Simulator Operation, Apr. 1, 1967
- Section 1 - Simulator Operation (2 folders)
- v.2 - Simulator Operation (Changed), May 15, 1967
- Section 1 - Simulator Operation

v.2 - Simulator Operation

Unit Date Apr. 1, 1967

box-folder 21 (box)

Container 3-5 (folder)

Scope and Content

Content

- Section 2 - Malfunction Data (3 folders)
- Section 3 - Lunar-landing Mission Procedures (4 folders)
- Section 4 - Instructor Activity for Interface Operation

v.2 - Simulator Operation (Changed)

Unit Date May 15, 1967

box-folder 21 (box)

Container 6 (folder)

Scope and Content
Section 4 - Instructor Activity for Interface Operation

Lunar Module Mission Simulator - Instructors Handbook
Unit Date 1967
box-folder 22 (box)
Container 1-3 (folder)
Scope and Content
Content

- v.2 - Simulator Operation, Apr. 1, 1967
- Section 5 - Instructor Material (6 folders)
- Section 6 - Scripting Data Sheets (2 folders)
- Section 7 - Simulator Output Tables, Jul. 1, 1967 (3 folders)

Apollo Operations Handbook: Lunar Module 2
Unit Date 1967
box-folder 23 (box)
Container 1-3 (folder)
Scope and Content
Contents

- v.1, Jan 1, 1967 (3 folders)
- v.2, Jan. 1, 1967 (3 folders)
- v.2 (Changed), Mar. 20, 1967

JL4-2 Earth Orbital Checkout Procedures - Lunar Module 2
Unit Date Mar. 1, 1967
box-folder 23 (box)
Container 4 (folder)

Visual Simulation Equipment Study
Unit Date Mar. 24, 1965
box-folder 23 (box)
Container 5 (folder)

Student Training Guide: Toxic Propellants and Gas Mask Certification
Unit Date Apr. 9, 1966
box-folder 23 (box)
Container 6 (folder)

Description of Test Reset Points [for lunar landing]
Unit Date 1966
box-folder 23 (box)
Container 7 (folder)

Air Force Eastern Test Range Instrumentation Familiarization Course - RCA Technical Training
Unit Date Apr. 1967
box-folder 23 (box)
Container 8 (folder)

Apollo Astronaut/Lunar Module Guidance Computer Logic

Unit Date May, 1967

box-folder 24 (box)

Container 1 (folder)

Student Training Guides

Unit Date 1967

box-folder 24 (box)

Container 2 (folder)

Scope and Content

Content

- Complex 34/37 Safety Orientation - Course OP-108, Aug. 15, 1967
- Complex 39 Safety Orientation - Course OP-107, Aug. 1, 1967

Briefing Outlines

Unit Date 1967, n.d.

box-folder 24 (box)

Container 3 (folder)

Scope and Content

Content

- Rendezvous Radar/Transportation System, [1967]
- Control Electronics Section System, n.d.
- Instrumentation Subsystem, n.d.

Charts and calculators

Unit Date 1967, n.d.

box-folder 24 (box)

Container 4 (folder)

Charts and Calculators (from Box 24, Folder 4)

Unit Date n.d.

oversize 2 (folder)

Scope and Content

Content

- Orbital tracking chart, n.d.
- Fuel chart, n.d.
- TSPI Systems chart, n.d.
- Film charts, n.d. [2 items]

Apollo training - general materials (2 folders)

Unit Date 1966-1967, n.d.

box-folder 24 (box)

Container 5 (folder)

Series II: NASA Computer Systems

Unit Date 1962-1966, n.d.

Mark I Programmer's Manual (3 folders)

Unit Date 1962

box-folder 25 (box)

Container 1 (folder)

Preliminary Instruction Manual for H-PAC Digital Modules (2 folders)
Unit Date Mar. 1, 1963
box-folder 25 (box)
Container 2 (folder)

Preliminary DDP-24 Installation Instruction Manual
Unit Date Oct. 1963
box-folder 25 (box)
Container 3 (folder)

Preliminary DIP Interpretive program for the DDP-24 General Purpose Computer
Unit Date 1963
box-folder 25 (box)
Container 4 (folder)

Preliminary Programmer's Manual for the DDP General Purpose Computer (Revised)
Unit Date Feb. 1964
box-folder 25 (box)
Container 5 (folder)

DAP Manual for the DDP-24 General Purpose Computer
Unit Date Mar. 1964
box-folder 25 (box)
Container 6 (folder)

Instruction Manual - DDP-24 General Purpose Computer (4 folders)
Unit Date Apr. 1, 1964
box-folder 25 (box)
Container 7 (folder)

Installation and Interface Manual for DDP-24 General Purpose Computer
Unit Date May, 1965
box-folder 25 (box)
Container 8 (folder)

Programmers Manual - DDP-24 General Purpose Computer
Unit Date Aug. 1965
box-folder 26 (box)
Container 1 (folder)

Fortran IV for DDP Computers
Unit Date 1965
box-folder 26 (box)
Container 2 (folder)

DAP II Manual - DDP General Purpose Computers
Unit Date Apr. 1966
box-folder 26 (box)
Container 3 (folder)

DDP-24 General Purpose Digital Computer
Unit Date n.d.
box-folder 26 (box)
Container 4 (folder)

Powercel 3A-2 Installation and Operation Handbook
Unit Date Apr. 1966
box-folder 26 (box)
Container 5 (folder)

Computer systems - general materials (2 folders)
Unit Date n.d.
box-folder 26 (box)
Container 6 (folder)

Series III: NASA Public Information
Unit Date 1962-1991, n.d.

NASA Fact Sheets, [7 items]
Unit Date 1962-1966
box-folder 27 (box)
Container 1 (folder)

NASA Educational Briefs, [14 items]
Unit Date n.d.
box-folder 27 (box)
Container 2 (folder)

Apollo Lunar Landing Mission Symposium
Unit Date Jun. 25-27, 1966
box-folder 27 (box)
Container 3 (folder)

General NASA printed materials
Unit Date 1963-1991, n.d.
box-folder 27 (box)
Container 4 (folder)
Scope and Content
Content

- NASA Manned Spacecraft Center, Houston, Texas, [c.1963]
- NASA Manned Spacecraft Center, [1964]
- NASA Facts, v.2, no.5: Launch Vehicles, [1965]
- Roster of Military Personnel at NASA Manned Spacecraft Center, 1966
- Payload Flight Assingments - NASA Mixed Fleet, 1989-1991 [2 items]

NASA astronaut publicity photo portraits [44 items] (2 folders)
Unit Date n.d.
box-folder 27 (box)
Container 5 (folder)

Series IV: General Materials
Unit Date 1969-2001, n.d.

General Materials

Unit Date 1969-2001, n.d.

box-folder 27 (box)

Container 6 (folder)

Scope and Content

Content

- *Discover* Magazine, Oct. 2001 (includes article on a Russian Space program)
- *IEEE Spectrum*, Jul. 1994 (includes "The Moon Landing: a 25th Anniversary Perspective")
- *USAA Magazine*, Jun/Jul 1999 (features article on first lunar landing)
- "America in Space" - Science Applications International Calendar, 1997
- National Geographic "Sounds of Space Age" sound disc, 1969