**SPECIAL REPORTS**

**CARGO SYSTEM MANUALS:**
- **ASSEMBLY OF SPACE STATION BY NASA METHODS ASEM** - Complete details of the hardware and procedures of the ASEM demonstration conducted during STS-49. 76 pages, plus nine foldouts. $36.00
- **U.S. MICROGRAVITY LABORATORY ONE (USML-1)** - extraordinary nuts-and-bolts material on every experiment in this Spacelab payload! 410 pages, plus 36 foldouts. $140.00
- **SHUTTLE AMATEUR RADIO EXPERIMENT II (SAREX II)** All of the details of the four configurations. 36 pages, plus one foldout. $18.00
- **GAS: GetAway Special Canister, All Flights** - detailed text and schematic diagram information on the electrical, thermal, and command interfaces - along with structure data - for GAS. 40 pages, plus five foldouts. $20.00
- **ULTRAVIOLET PLUME INSTRUMENT (UVPI)** - Provides data on the USAF experiment involving an instrument on the Low-Power Atmospheric Compensation Experiment (LPACE) satellite. 8 pages. $3.00
- **CRYSTALS BY VAPOR TRANSPORT EXPERIMENT (CVTE)** - Data on all aspects of this Boeing commercial payload. 14 pages, plus four foldouts. $6.00

**SPACE SHUTTLE FLIGHT TEST AND SUPPLEMENTARY OBJECTIVES DOCUMENT (DTSs/DSCs)** / January 1992 - this document contains the authoritative description of all 44 currently defined operational Shuttle flight test objectives, including medical tests and OEX requirements. 120 pages. $130.00

**SPACECRAFT SOFTWARE INTERFACE WORKBOOK** May 1991 - Full details of the Data Display System, display selection procedures, ECSS/SOS displays, subsystem, and experiment fault summary pages, and more. 21 illustrations. 64 pages $24.00

**ACC TRAJECTORY AND ORBIT DETERMINATION SOFTWARE WORKBOOK / April 1991** - The purpose of his workbook is to familiarize the reader with the major tools and guides used in the Mission Control Center ground navigation software. 170 pages $50.00

**GROUND SYSTEMS TRAJECTORY DATA FLOW WORKBOOK / October 1991** - This new training manual provides data on spacecraft tracking, with information on sources of tracking data, how and at what rates the data flow from the sites into the trajectory processor, and what some of the major functions are in the tracking processing and data routing equipment. 48 pages $20.00

**NAVIGATION AIDS / May 1991** - This training manual covers three major systems: TACANS, Microwave Landing System (MLS), and the Radar Altimeter. Includes over 40 figures. 92 pages $36.00

**INTERNATIONAL RESEARCH COUNCIL REPORT: FROM EARTH TO ORBIT: AN ASSESSMENT OF TRANSPORTATION OPTIONS** This new report provides a thorough overview of all current launch vehicle options, with information on the National Launch System, Space Transportation Main engine, existing and proposed international launch systems, including Russian rockets and engines, and technology developments for launchers. 91 pages $35.00

**ROBOTICS PANEL REPORT: NASA ADVANCED TECHNOLOGY ADVISORY COMMITTEE - ADVANCEMENT OF AUTOMATION AND ROBOTICS TECHNOLOGY FORTH
SPACE SHUTTLE MISSION REPORTS / The official JSC reports: mission summary, SRB, ET, SSME performance & anomalies; Orbiter performance, anomalies; sequence of events timeline; problem tracking summary. Each report averages about 20-25 pages; the first three are longer.

STS-28 MISSION REPORT - TDRS, September 1998 (RTP) $20.00
STS-27 MISSION REPORT - DOD, December 1988 $14.00
STS-30 MISSION REPORT - Magellan, May 1989 $14.00
STS-28 MISSION REPORT - DOD, August 1989
STS-34 MISSION REPORT - Galileo, October 1989
STS-33 MISSION REPORT - DOD, November 1989
STS-31 MISSION REPORT - LDEF, January 1990
STS-38 MISSION REPORT - DOD, February 1990
STS-31 MISSION REPORT - HST, April 1990
STS-41 MISSION REPORT - Space-shuttle, October 1990 $20.00
STS-38 MISSION REPORT - DOD, November 1990 $19.00
STS-35 MISSION REPORT - ASTRO-1, December 1990
STS-37 MISSION REPORT - GRO, April 1991
STS-39 MISSION REPORT - AFF-675, April 1991
STS-40 MISSION REPORT - SSL-1, June 1991
STS-43 MISSION REPORT - TDRS-E, August 1991
STS-48 MISSION REPORT - UARS, September 1991
STS-44 MISSION REPORT - DSP, November 1991
STS-42 MISSION REPORT - IMI-1, January 1992

ORBITAL FLIGHT TEST (OFT) MISSION REPORTS / Full, uncut version of the detailed JSC reports for the four shuttle flights are now available:

STS-1 ORBITER MISSION REPORT - 243 pages $75.00
STS-2 ORBITER MISSION REPORT - 184 pages $55.00
STS-3 ORBITER MISSION REPORT - 146 pages $44.00
STS-4 ORBITER MISSION REPORT - 107 pages $28.00

CARGO SYSTEMS MANUALS (CSMs) - These manuals "provide a single authoritative source for payload / spacecraft systems information" with drawings and systems data:

STS-39 PAYLOADS - TWO CSMs: ISPS/SPAS II and AFF-675 - 250 pages plus 38 foldout drawings $195.00
STS-40 PAYLOAD - SLS-1 - 361 pages; seven foldouts $212.00
STS-44 PAYLOAD - DSP - 69 pages plus 16 foldouts $80.00
STS-48 UARS - 142 pages plus 24 foldouts $85.00
STS-42 IMI-1 - 450 pages plus 14 foldouts $130.00

EVA ANNEX: GAMMA RAY OBSERVATORY / Thorough material (with line drawings) on contingency EVA activities for GRO - including HGA deployment operations actually performed in flight $72.00 $20.00

EVA ANNEX: CREW AND EQUIPMENT TRANSLATION AIDS (CETA) STS-37, 87 pages $27.00

SHUTTLE ORBITER HARDWARE CHANGES INCORPORATED IN OV-105 / ENDEAVOUR 56 pages $21.00

FLIGHT DATA FILE REFERENCE DATA DOCUMENT / This vital on-orbit data document provides routine data needed by the crew to manage critical systems: electrical power, critical equipment, in-flight data, etc. $48.00

SPACELAB MODULE OPERATIONS CHECKLIST (GENERIC) / FLIGHT DATA FILE DOCUMENT / Covers all routine and emergency procedures for non-mission operations; carried aboard SLS-1 flight. 68 pages $24.00

SPACELAB MALFUNCTION PROCEDURES / FLIGHT DATA FILE DOCUMENT / Outlines crew reactions to every malfunction: time-critical problems (ECLS, atmosphere, EPS bus loss); communications; computers/CMS; ECLS; and EPS systems. 345 pages $125.00

SPACELAB PALLETT MALFUNCTION PROCEDURES / FLIGHT DATA FILE DOCUMENT - Step-by-step procedures for pallet mission contingencies: CMS, computers, power, cooling, power systems, EPS, electrical/thermal/mechanical systems, sensors. 310 pages $195.00

SPACELAB HIGH RATE DATA ASSEMBLY (HRDA) TRAINING MANUAL 35 pages $19.00

SPACELAB ELECTRICAL POWER DISTRIBUTION SYSTEM (PALLET MODE) WORKBOOK 56 pages $324.00

SPACELAB INSTRUMENT POINTING SYSTEM (IPS) TRAINING MANUAL / This detailed documentation of the IPS component, including functional and mechanical systems, software and electronics, displays, overall layout, drawings. 200 pages $30.00
HUBBLE SPACE TELESCOPE (HST) SYSTEMS DESCRIPTION HANDBOOK
Covers every system and subsystem. Hundreds of detailed line drawings, schematics, and cutaways - highlighted by a set of six giant foldout drawings! 220 pages plus six 11" x 17" or larger foldouts. $78.00

AMERICAN PHILOSOPHICAL SOCIETY TECHNICAL DESCRIPTION AND SCIENTIFIC PLAN Subsystems and instruments. 124 pages. $339.00

SHUTTLE SYSTEMS AND FACILITIES
SHUTTLE FLIGHT OPERATIONS MANUAL (SFOM): CREW SYSTEMS SFOMs provides a single source of the most detailed information about hardware for astronauts and flight personnel. This volume covers crew module equipment; stowage, interfaces, functional descriptions, performance criteria; contingencies, drawings, figures, and illustrations. 700 pages plus 14 11" x 17" foldouts. $160.00

GLOSSARY, ACRONYMS, AND ABBREVIATIONS FOR S&F AND ASSOCIATED PAYLOADS Nasa's compilation of nearly 10,000 Shuttle-related acronyms and phrases. 97 pages. $29.00

SPACE SHUTTLE MAIN ENGINE (SSME) DESCRIPTION AND OPERATION: TECHNICAL MANUAL. Produced by Rockaway, this detailed manual is considered the standard reference for SSME data. 42 drawings. 32 pages. $16.00
**MAJOR SHUTTLE PROGRAM DOCUMENTS**

KSC SHUTTLE COUNCIL DOCUMENT: BASIC CONTROL PROCEDURES. Used by launch team: individual steps known as "operations instructions," and this set of actions is called the "control procedure document." Every item from initial call to stations to lift-off is included. Certain contingency actions are on-hand boards and RALS are included. No better way to follow the excitement of the countdown: 150 pages in three-ring vinyl binder. $135.00.

**LAUNCH COUNTER SHUTTLE COUNCIL DOCUMENT (Terminal Count Sequence Only):** A listing of the instruments on the shuttle, with all systems that start with the Terminal Sequence at T-6 hours. $39.00.

**SHUTTLE COUNCIL BAR CHARTS:** These 15 charts provide a total review of all critical events through the STS-29 countdown. The last hour of the count is covered in 1 minute or 30 second intervals. 15 single-sided pages. $18.00.

**KSC LAUNCH PAD EMERGENCY EGRESS / ESCAPE DATA PACKAGE:** Four documents with details of new hardware, procedures, Orbiter Flight Crew and Pad Ground Crew crews. Escaped Emergency Pad Emergency Procedures with instructions, tools, 14 pages of LC-39 drawings. Pad Emergency Egress Data Book is a single-source of data, with all data supplied on LC-39 drawing. 29 full-page drawings. Pad Emergency Egress Test data, 317 pages, includes all tests, 193 tests, with recommendations, and 174 areas of concern; and Launch Pad Emergency Egress Test Report, 54 pages, includes all test data and safety evaluation studies, 54 pages. $5.00.

**ORBITER LANDING EMERGENCY RESCUE DATA - SHUTTLE OPERATIONAL DATA BOOK:** Volume IV is an incredible line drawings of Orbiter with totally new view of systems, technical information and system critical control procedures. Completely describes all systems. 480 pages, 11 x 17" folds. $115.00.

**GROUND LAUNCH SEQUENCER (GLS) DESCRIPTION DOCUMENT:** This document, updated for STS-30, is a step-by-step description of he functions performed by the GLS, which is the fully automated software control which controls the Countdown Processor. The description is referenced by time - takes you to the lift-off. $145.00.

**LAUNCH COMMIT CRITERIA (LCC) IMPLEMENTATION PLAN** Provides a comprehensive list of LCC criteria organized by subsystem, and shows how each is implemented in the GLS software or in other ways. Each item is identified by the name of the LCC, document page number, start/stop time for monitoring, method, and displays. 168 pages. $59.00.

**EVA CATALOG OF TOOLS AND EQUIPMENT JSC document provides complete reference source for all 230 tools for Shuttle EVA. Cutters, levers, electrical tools, restraints, adaptors,etc. Great tool for HST maintenance and early space Station designs. 480 pages. $115.00.

**SHUTTLE OPERATIONAL DATA BOOK (SODB) - VOLUME ONE (Part One):** This is the "single authoritative source of properly validated operational data" that "are based as a design and definition" sections in this book. It includes all sections in the LCC, details, with every conceivable criteria - from temperature and pressure to operational cycles. 143 pages, 11 x 17" foldout, or larger. $132.00.

**SHUTTLE OPERATIONAL DATA BOOK (SODB) - VOLUME ONE (Part Two):** This document with Orbiter Performance and Operational Data, describes the fundamental performance and design of the Shuttle, and is an incredible "Heavily illustrated with line drawings, charts, tables, graphs, 1115 pages, with two 11 x 17" foldouts. $29.00.

**POST-CHALLENGER FLIGHT DATA FILE CHECKLISTS**

All of these checklists are merged to be "all of the FLIGHT Genie plus STS 78 through STS 25 specific supplements, in various versions.**

**ASCENT CHECKLIST**

Prelaunch procedures, ascent lift-off, contingency cards, ascent cards, post OMS 1 burn procedures. 140 pages. $33.00.

**POST-INSERTION PROCEDURE CHECKLIST**

116 pages with payload bay opening, computer configuration, ATO procedures, full checklist with graphics. 26 pages. $11.00.

**OPERATION ORBITER CHECKLIST**

Called the "orbit ops" list, this is heavily used during launch, in-flight operations, including communications, DPS, ECLS, EPS, HCF, MDS, RCS, separator maneuvers. 335 pages. $30.00.

**DEOBTOP PREP CHECKLIST**

Covers time from CAP to Entry Checklist. Describes operations, including launch, STS-29, VAS, OPF, LCC, Mobile Launch, TPS, support, ESSF, Service Module, Fixed Structure, Access Arm, RSB, etc. 51 pages plus 11 x 17" foldout map. $14.00.

**SHUTTLE ORBITER DISPLAY, CONTROL, AND SWITCH PANELS**

All displays and controls, including switch panel, with optional identification markings. 79 pages on 11 x 17" foldouts. $14.00.

**FULL SET OF ALL FIVE CHECKLISTS** $130.00.

**MEDICAL CHECKLIST** (Generic and STS-29 Flight Supplement) Recommended responses to medical problems listed in alphabetical order. 120 pages. $36.00.

**CONTINGENCY DEOBTOP PREP** (Generic and STS-30 Flight Supplement) Describes launch day procedures, includes list of fuel cells, loss of fuel, loss of two fuel cells, loss of fuel, loss of two fuel cells, emergency deorbit, preflight jetting, etc. 295 pages. $32.00.

**CONTINGENCY EVA OPERATIONS CHECKLIST** (Generic and STS-30 Flight Supplement) Detailed and summary timelines for both payload bay operations, RSM/SSFLR procedures, EVA/ASE contingencies. 79 pages. $30.00.

**CONTINGENCY RENDEZVOUS CHECKLIST** (Generic all-flight) Rendezvous overview, flight profile, rules summary, timeline, operations for flight termination, list of contingency procedures, 113 pages. $27.00.

**IN-FLIGHT MAINTENANCE (IFM) CHECKLIST / FLIGHT DATA FILE DOCUMENT**

These documents, produced by the Flight Training Branch of the Mission Operations Directorate at the Johnson Space Center, are used in the training of Shuttle pilots and go to mission specialists. They are a significant part of the formal training required by NASA astronauts and other personnel. Workbooks are extremely detailed and comprehensive, and they are designed for self-study. The book is heavily illustrated with vivid line drawings, schematics, and other figures. A full listing of all the acronyms and abbreviations used in the text is provided. They provide the best way to learn about Shuttle systems, hardware, and operational procedures. Special emphasis on crew interaction with the displays, controls, and hardware is included. 8 Vols. $39.00.

**SHUTTLE ASTRONAUT TRAINING MANUALS AND WORKBOOKS**

These documents, produced by the Flight Training Branch of the Mission Operations Directorate at the Johnson Space Center, are used in the training of Shuttle pilots and go to mission specialists. They are a significant part of the formal training required by NASA astronauts and other personnel. Workbooks are extremely detailed and comprehensive, and they are designed for self-study. The book is heavily illustrated with vivid line drawings, schematics, and other figures. A full listing of all the acronyms and abbreviations used in the text is provided. They provide the best way to learn about Shuttle systems, hardware, and operational procedures. Special emphasis on crew interaction with the displays, controls, and hardware is included. 8 Vols. $39.00.

**SHUTTLE ASTRONAUT TRAINING MANUALS AND WORKBOOKS**

These documents, produced by the Flight Training Branch of the Mission Operations Directorate at the Johnson Space Center, are used in the training of Shuttle pilots and go to mission specialists. They are a significant part of the formal training required by NASA astronauts and other personnel. Workbooks are extremely detailed and comprehensive, and they are designed for self-study. The book is heavily illustrated with vivid line drawings, schematics, and other figures. A full listing of all the acronyms and abbreviations used in the text is provided. They provide the best way to learn about Shuttle systems, hardware, and operational procedures. Special emphasis on crew interaction with the displays, controls, and hardware is included. 8 Vols. $39.00.

**EVA CATALOG OF TOOLS AND EQUIPMENT JSC document provides complete reference source for all 230 tools for Shuttle EVA. Cutters, levers, electrical tools, restraints, adaptors,etc. Great tool for HST maintenance and early space Station designs. 480 pages. $115.00.

**MAIN PROPULSION SYSTEM**

Thorough review of SSME/MEP with extensive description of major components, complete discussion of system operations and malfunctions. Over 75 superb line drawings. 70 pages. $24.00.

**MAIN PROPULSION SYSTEM THRUST VECTOR CONTROL (MEP TVC) Gimbal system for SSME/LM, fuel cell powerplant, electrical power distribution and control. Explains crew responsibilities for controlling this system. 80 pages. $27.00.

**ENVIROMENTAL CONTROL AND LIFE SUPPORT SYSTEMS (ECSS)** Covers air pressurization system, air revitalization, air thermal control system, supply/waste water management. 190 pages. $52.00.

**MECHANICAL SYSTEMS**

Includes actuators, active vent system, ET umbilicals, doors, EMU vent systems, raduator systems, windings, deicing systems. 111 illustrations, 127 pages. $37.00.

**INTRODUCTION TO ORBITER COMMUNICATIONS / INSTRUMENTATION SYSTEMS UHF, SATCOM, VHF, Ku-band communications, audio, TV, video, test equipment, etc. 33 illustrations, 39 pages. $15.00.

**COMMUNICATIONS / INSTRUMENTATION WORKBOOK**

Switch-by-switch description of all Orbiter communications equipment, functions, interfaces, controls, malfunctions. Spacecraft, 100 illustrations. $350.00.
and Transportation Concepts. Science objectives, surface infrastructure, mission and system concepts, mission opportunities, lander design, chemical, nuclear, antimatter and other types of propulsion. 158 pages. $138.00

Volume 2: Working Group Papers on Life Science/Medical Issues, Mars Surface Infrastructure, and Science Investigations. Chemical production, airplanes, surface geology, radiation shielding, irradiation effects, psychological issues, exobiology, advanced technology, planetary science questions, site selection, more. 105 pages. $28.00

Both Volumes: $162.00

NASA OFFICE OF EXPLORE (OEX) TECHNICAL REPORT: 1999 EXPLORE STUDY RESULTS 119 tables and 176 line drawings/figures of four "case studies": Human Exploration of Mars, Human Exploration of Solar System, Exploration to Early Mars Evolution. 328 pages. $90.00

SHUTTLE SYSTEMS DATA REPORTS: NASA/ROCKWELL MATERIAL

SPACE SHUTDOWN MAIN ENGINE (SSEM) / MAIN PROPULSION SYSTEM (MPS). Fuel flow, valves, engines. 64 pages. $18.00

ORBITAL MANEUVERING SYSTEM (OMS) / REACTION CONTROL SYSTEM (RCS). Interconnects, valves. 47 pages. $15.00

HYDRAULIC SYSTEM / AUXILIARY POWER UNITS / WATER SPRAY BOILER. 36 great drawings. 43 pages. $14.00

ELECTRICAL POWER / DISTRIBUTION SYSTEM. Fuel cells, PRD tanks, control system. 35 drawings. 37 pages. $11.00

ENVIRONMENTAL CONTROL AND LIFE SUPPORT SYSTEM (ECLS) Cabin air, active TCS, 77 drawings. 83 pages. $24.00

DATA PROCESSING SYSTEM / GENERAL PURPOSE COMPUTERS. All major IBM components included. 59 pages. $17.00

GUIDANCE, NAVIGATION AND CONTROL (GN&C) / NAVIGATION AIDS (NAVAIDS). IMUs, gyro, more. 108 pages. $30.00

FLIGHT PROFILE SOFTWARE MODELS / MISSION EVENTS SUMMARY. All phases of flight, with display list. 46 pages. $9.00

ORBITER STRUCTURE. Full construction details: fuselage, wing, tail, PLBDs, windows, OMS/OMS pods, 46 pages. $14.00

LANDING GEAR AND BRAKES. Includes main landing gear brakes, LNB, nose wheel steering, tires. 25 pages. $9.00

ORBITER COMMUNICATIONS SYSTEM. B-band, Ku-band, payload system, audio system, UHF, more. 41 pages. $13.00

ORBITER(INSTRUMENTATION) Interfaces, MTU, recorders, network signal processor, TAGS/teleprinter. 33 pages. $10.00

REMOTE MANIPULATOR SYSTEM (RMS) / PAYLOAD DEPLOYMENT AND RETRIEVAL SYSTEM (PDRS). 23 pages. $9.00

CAUTION & WARNING IC & W, LIGHTING. SMOKE DETECTION, COORDINATE SYSTEM FOR ORBITER 27 pages. $19.00

THERMAL PROTECTION SYSTEM (TPS), PASSIVE THERMAL CONTROL, PURVEGENDORAIN SYSTEM 22 pages. $7.00

EXTERNAL TANK. Extensive set of line drawings shows construction, interface, internal design of tank. 20 pages. $7.00

SOLID ROCKET BOOSTERS. Holdown posts, ignition, HPUs, TCV, separation, RSS, descent/recovery, manufacturing. 40 pages. $13.00

SPACELAB. Pressurized module, IPS, pallet, power, command and data management, ECLS, C & W systems. 26 pages. $9.00

DEDICATED DISPLAY SYSTEMS Attitude direction indicator, HSI, Alpha Mach, HUD, G-meters. 18 pages. $6.00

CREW EQUIPMENT. Food, medical systems, radiation equipment, clothing, sleep provisions, housekeeping aids. 48 pages. $14.00

SPACEFLIGHT HISTORY: MERCURY / GEMINI / APOLLO / SKYLAB / APOLLO-SOYUZ / UNMANNED EXPLORATION

SPACE HANDBOOK 1959. This report, written at the dawn of the modern space age, contains a fascinating overview of the expectations of the time. It was prepared for the U.S. government by the Rand Corporation. As you read this document, you'll be astounded by the comparisons between prediction and reality. 339 pages. $168.00

MARINER-MARS 1964 FINAL PROJECT REPORT. This report presents the story of the first major planetary flyby and the first probe to reach Mars, Mariner IV. This NASA document details every aspect of the pathfinder mission, and was written in 1967. Hundreds of illustrations, and mission photographs. 322 pages. $189.00

SURVEYOR PROGRAM RESULTS. The results of the highly successful Surveyor program which accomplished five soft landings on the Moon are detailed in this 1969 NASA document, loaded with detailed charts, drawings, and lunar images. Scientific results are thoroughly covered. 400 pages. $100.00
APOLLO 17 LUNAR SURFACE PROCEDURES DOCUMENT - NOMINAL PLANS
This Flight Data File document provided the complete plans for the Earth landing mission. Contents: Mission Description, Lending Site Geologic/Geologic Data, EVA/Traverse Plans, Complete Eva 1/2/3 Timelines featuring both the full-form "checklist" and reproductions of the crew checklist worn on the suit. Lunar Surface Experiment Deployment and Equipment Data. EVA Data. Estimated: a truly superb piece of history. 394 pages plus one foldout.

APOLLO SCIENTIFIC EXPERIMENTS DATA HANDBOOK Produced in August 1974, this NASA technical document was produced by JSC and provides an illustrated description of every Apollo experiment together with its operational history, data format and contents. 37 sections provide volumes of information on the experiment program: 397 pages.

SKYLAB NEWS REFERENCE: HARDWARE AND SYSTEMS. The most comprehensive review of the Orbital Workshop and associated hardware available: 150 line drawings; 78 pages plus an 11" x 17" outsize tray shows 154 items inside.

FIRST SKYLAB MISSION (S-L/2-L) FLIGHT PLAN The full plan: Summary and Detailed Timelines, Experiment and test objectives, much more. 192 pages.

FIRST SKYLAB MISSION (S-L/2-L) LIFTOFF CHECKLIST Liftoff switch configuration, boost checklists, systems checks, abort procedures, checklist, emergency procedures. 22 pages.

FIRST SKYLAB MISSION (S-L/2-L) EVA CHECKLIST Preparations and procedures; EVA Contingency EVA Procedures; EVA Contingency procedures: CSC rescue procedures: malfunctions. 106 pages.

SKYLAB WORKSHOP (SW/3) ACTIVATION CHECKLIST This Flight Data File document, from the second Skylab mission, which had a "routine" activation procedure, was aimed at the astronauts operating the station. Each of the tasks required to activate the work module was listed. 148 pages inclusive.

SKYLAB ENTRY CHECKLIST: Another SL-3 Flight Data document with normal procedures - entry sim, undocking, fly around, shaping burn, deorbit burn, entry, and post-landing - along with contingency procedures (nine in all). 124 pages.


APOLLO-SOYUZ TEST PROJECT (ASTP): SOVIET AND AMERICAN PRESS KIT TECHNICAL DATA Comprehensive descriptions - by the Soviets - of the Soyuz with line drawings; docking system, mission control, more. 28 pages.

APOLLO-SOYUZ TEST PROJECT (ASTP): FINAL FLIGHT PLAN AND JOINT CREW ACTIVITY PLAN 38 pages.

ASTP RECOVERY REQUIREMENTS A very unique JSC document providing data on the last "satisfaction" of the U.S. manned spacecraft. Includes information on recovery forces, joint requirements, communications, weather observations, and much more. 62 pages.

THE CHALLENGER TRAGEDY: 51-L CATASTROPHE SPECIAL REPORTS


TSR-3 DOCUMENTS RELEASED BY THE PRESIDENTIAL COMMISSION ON THE SPACE SHUTTLE CHALLENGER ACCIDENT: MAY 10, 1988 O-ring history, launch reports, memos, safety reports, ICIL change requests, more. 60 pages.

TSR-4 NASA SEARCH, RECOVERY, AND RECONSTRUCTION TASK FORCE REPORT (a) Ships and vessels used in recovery; Surface Mishap report; radar report; list of recovered debris (with a catalog of the 4071 separate items found). 42 pages.

TSR-5 NASA SEARCH, RECOVERY, AND RECONSTRUCTION TASK FORCE REPORT (b) salvage operation; SRB debris (line drawings of recovered pieces), NTSB report. 44 pages.

TSR-6 NASA TASK FORCE REPORTS Pre-launch activities report; Mission Planning and Operations report; Development and Production report (good review of safety issues). 48 pages.

TSR-7 NASA ACCIDENT ANALYSIS TASK TEAM REPORT - WITH SRM TEAM TEST RESULTS AND FINDINGS The definitive statement by NASA - very detailed information. MTI comments by Bosiljka. 124 pages.

TSR-8 FLIGHT READINESS REVIEW TREATMENT OF O-RING PROBLEMS 49 pages.

TSR-9 APPENDIX N/H ROGERS COMMISSION APPENDIX: NASA PHOTO AND IV SUPPORT TEAM REPORT Includes full 51-L incident Integrated Events Timeline; observed anomalies, detailed telemetry data. 112 pages.