



Smithsonian
National Air and Space Museum

David M. Brown Collection

Mark Kahn

2006



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Collection Overview

Repository:	National Air and Space Museum Archives
Title:	David M. Brown Papers
Identifier:	NASM.2006.0013
Date:	1970-2005 (bulk 1980-2002)
Extent:	11.76 Cubic feet (33 boxes)
Creator:	Brown, David M.
Language:	This collection contains materials in English and Russian.
Summary:	The David M. Brown Papers consist of almost twelve cubic feet of archival material documenting his career as a U.S. Navy flight surgeon, naval aviator, and NASA astronaut. It includes Brown's diaries, manuals, checklists, certificates, workbooks, notebooks, and related training materials.

Administrative Information

Acquisition Information

Paul and Dorothy Brown, Gift, 2006

Processing Information

Arranged and described by Mark Kahn, 2006.

Encoded by Amanda Buel, 2014.

Preferred Citation

David M. Brown Papers, Acc. 2006-0013, National Air and Space Museum, Smithsonian Institution.

Restrictions

No restrictions on access.

Conditions Governing Use

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Biographical / Historical

David M. Brown was a U.S. Navy officer, flight surgeon, naval aviator, and Space Shuttle astronaut. Born in Arlington, Virginia, on April 16, 1956, Brown earned a B.S. in biology from the College of William and Mary in 1978 and a doctorate in medicine from Eastern Virginia Medical School in 1982. During his years in college, he performed in the Circus Kingdom as an unicyclist, stilt walker, and acrobat. Upon completing an internship at the Medical University of South Carolina, Brown joined the Navy and finished his flight surgeon training in 1984. After a stint as director of medical services at the Navy Branch Hospital in Adak, Alaska, he was then assigned to Carrier Airwing Fifteen which deployed aboard the USS *Carl Vinson* in the western section of the Pacific Ocean. In 1988, Brown was selected for pilot training, the only flight surgeon chosen for this program in over ten years. Two years later, he was designated a naval aviator and ranked first in his class. Subsequently, Brown was sent for training and carrier qualification in the Grumman A-6E *Intruder*. In 1991, he was attached to the Naval Strike Warfare Center in Fallon, Nevada, where he served as a Strike Leader Attack Training Syllabus Instructor and a Contingency Cell Planning Officer. The following year, he was sent to serve aboard the USS *Independence*, flying the A-6E with squadron VA-115. In 1995, he reported to the U.S. Naval Test Pilot School as their flight surgeon. By this time, Brown was qualified in a variety of military aircraft, including the McDonnell Douglas F-18 *Hornet* and the Northrop T-38 *Talon*. All told, Brown accumulated over 2,700 hours with 1,700 in high performance military aircraft.

For a long time, Brown harbored a strong desire to become an astronaut. During the mid 1990s, he applied for admission into the National Aeronautics and Space Administration's (NASA) astronaut corps. In April 1996, Brown was selected as an astronaut candidate by the space agency and reported to the Johnson Space Center (JSC) in Houston, Texas, later that year. By 1998, he completed his training and evaluation, and was qualified for flight assignment as a mission specialist. Initially, Brown was given the task of supporting payload development for the International Space Station (ISS), followed by an assignment on the astronaut support team responsible for Space Shuttle cockpit setup, crew strap-in, and landing recovery. Eventually, he was assigned a flight aboard Space Shuttle *Columbia* for the STS-107 mission. *Columbia* was launched from the Kennedy Space center (KSC) on January 16, 2003. This 16-day flight was dedicated to scientific research while in Earth orbit. On February 1, after the successful in-space mission and only minutes from its scheduled landing at the Kennedy Space Center (KSC), Cape Canaveral, Florida, the orbiter suffered structural failure upon reentry into the atmosphere and disintegrated over Texas and Louisiana. Brown, as well as the other six members of the STS-107 crew, was killed in the accident. Brown logged 15 days, 22 hours and 20 minutes of space flight experience.

The following chronology covers key events in Brown's life, as well as in the realm of space exploration history. Events involving Brown are shown in normal type while those of the latter are shown in **bold type**.

1956 April 16	Brown born in Arlington, Virginia
1957 October 4	Russia's successful launch of first artificial satellite, <i>Sputnik 1</i>
1958 January 31	Successful launch of first U.S. artificial satellite, <i>Explorer 1</i>
1961 April 12	Russia's successful launch of first human into space, Yuri Gagarin aboard <i>Vostok 1</i>
1961 May 5	Successful launch of first U.S. astronaut into space, Alan Shepard aboard <i>Mercury-Redstone 3 (Freedom 7)</i>
1969 July 16-24	Flight of <i>Apollo 11</i> succeeds in landing U.S. astronauts on the moon
1972	The Nixon administration approves the Space Shuttle as a national program
1974	Brown graduates from Yorktown High School, Yorktown, Virginia

1977 August-October	Series of five Approach and Landing Tests (within the atmosphere) of Space Shuttle <i>Enterprise</i>
1978	Brown graduates from William and Mary College with a B.S. in biology
1981 April 12	First launch into earth orbit for the Space Shuttle program by <i>Columbia</i> (STS-1)
1982	Brown graduates from Eastern Virginia Medical School with a doctorate in Medicine (M.D.)
1984	Brown completes his U.S. Navy flight surgeon training
1986 January 28	Space Shuttle <i>Challenger</i> (STS-51-L) explodes shortly after launch, killing all on board
1988	Brown is selected by the U.S. Navy for pilot training
1988 September 29	Return to flight of the Space Shuttle program by <i>Discovery</i> (STS-26)
1990	Brown is designated as a naval aviator and ranks first in his class
1990 April 24	Launch of Space Shuttle <i>Discovery</i> (STS-31) with Hubble Space Telescope (HST) as payload
1991	Brown is attached to the Naval Strike Warfare Center in Fallon, Nevada
1992	Brown serves aboard aircraft carrier USS <i>Independence</i> and pilots the Grumman A-6E <i>Intruder</i> aircraft with VA-115
1995	Brown reports to U.S. Naval Test Pilot School as the flight surgeon
1996 April	Brown is selected by NASA as an astronaut candidate (ASCAN)
1998	Brown successfully completes his astronaut training and evaluation
1998 October 29	Launch of Space Shuttle <i>Discovery</i> (STS-95) with astronaut John Glenn returning to space after his first orbital flight aboard <i>Friendship 7</i> in 1962
2003 January 16	Launch of Brown and the crew of Space Shuttle <i>Columbia</i> (STS-107)
2003 February 1	STS-107 disintegrates over Texas and Louisiana shortly before scheduled landing at the Kennedy Space Center (KSC), Florida, with the loss of Brown and the crew

Scope and Contents

The David M. Brown Papers reflect Brown's career as a U.S. Navy flight surgeon, naval aviator, and NASA astronaut. Represented in some of the collection's correspondence, memoranda, and other materials is his early interest in becoming an astronaut, his applying to NASA, and his selection by the space agency as an astronaut candidate. Most of this collection consists of materials related to his professional work. A large part of this series is composed of technical manuals, handbooks and checklists. Also included in this grouping are official U.S. Navy/NASA documents, correspondence, memoranda, drafts, worksheets, reports, handouts, briefings, notes, photographs, invitations, programs, pamphlets, books, booklets, guidebooks, magazines, journals, and miscellaneous materials. The rest of the collection contains a small

amount of personal materials. This includes personal documents from Brown (birth certificate, passports, etc.), correspondence, day planners, yearbooks, photographs, and miscellaneous materials.

Arrangement

The Brown Papers are organized into two broad series. First, is the material pertaining to Brown's personal life. This includes personal documents, correspondence, day planners, yearbooks and photographs. The second series contains papers revolving around Brown's professional life. This includes official U.S. Navy/NASA documents, correspondence, memoranda, notes, drafts, reports, handouts, briefings, a variety of manuals, checklists, handbooks, procedures and instructions, notebooks, photographs, invitations, programs, pamphlets, books, guidebooks, magazines, journals, and miscellaneous materials. Brown's papers are arranged both chronologically and alphabetically. Official and personal documents, correspondence, memoranda, notes, drafts, worksheets, photographs, invitations, programs, pamphlets, magazines, journals, day planners, yearbooks and miscellaneous materials are organized by the former method. Reports, handouts, briefings, manuals, handbooks, checklists, procedures, instructions, books, booklets, and guidebooks are arranged alphabetically by title. The reader will note that the parts of this finding aid containing manuals, handbooks, checklists, procedures, and instructions are further organized into the following groupings: NASA only, corporation/contractor only, jointly-issued NASA and corporation/contractor, and miscellaneous.

The reader should note that this group of material also contains a collection of films pertaining to Brown's life and career as an astronaut. A National Air and Space Museum (NASM) Archives staff person can assist you regarding access to these films.

SERIES I -- Personal Papers

- Personal Documents
- Correspondence
- Day Planners
- Yearbooks
- Photographs
- Miscellaneous Materials

SERIES II -- Professional Papers

- Official U.S. Navy/NASA Documents
- Correspondence
- Memoranda
- Notes, Drafts, and Worksheets
- Reports, Handouts, and Briefings
- Manuals, Handbooks, Checklists, Procedures, and Instructions
- Notebooks and Workbooks
- Photographs
- Invitations, Programs, and Pamphlets
- Books
- Booklets and Guidebooks
- Magazines and Journals
- Newsletters
- News Clippings
- Miscellaneous Materials
- Oversized Materials

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

Astronautics

Space flight

Container Listing

Series 1: Personal Papers, 1956-2004

This series contains personal documents, correspondence, day planners, yearbooks, photographs, and miscellaneous materials. These items are all arranged chronologically.

1.1: Personal Documents, 1956-1994

- | | |
|-----------------|---|
| Box 1, Folder 1 | Birth Certificate for Brown, 1956 |
| Box 1, Folder 2 | Passports, Brown, 1972-1994 |
| Box 1, Folder 3 | Certificate, Ham radio operator permit, Federal Communications Commission, March 5, 1973 |
| Box 1, Folder 4 | Certificate, Brown, Good Citizenship Medal, National Society Daughters of the American Revolution , undated |

1.2: Correspondence, 1978-2002

- | | |
|-----------------|---|
| Box 1, Folder 5 | Correspondence and cards, miscellaneous, 1978-2002 |
| Box 1, Folder 6 | Correspondence and photographs, Brown and family during Christmas, 2002 |
| Box 1, Folder 7 | Letters of condolence to Brown family , undated |

1.3: Day Planners, 1997-2003

- | | |
|--------------------|---------------------------------|
| Box 1, Folder 8-11 | Day planners, Brown , 1997-2000 |
| Box 2, Folder 1-3 | Day planners, Brown , 2001-2003 |

1.4: Yearbooks, 1970-1999

- | | |
|-----------------|---|
| Box 2, Folder 4 | Yearbook, <i>Swanson Log</i> , Swanson Junior High School, Arlington, Virginia , 1970 |
| Box 3, Folder 1 | Yearbook, <i>Harbour 1982</i> , Eastern Virginia Medical School, 1982 |
| Box 3, Folder 2 | Yearbook, <i>Group XVI</i> , The Astronaut Class of 1996, NASA , 1999 |

1.5: Photographs, 2004

- Box 3, Folder 3 Photograph, Tostitos Fiesta Bowl, scoreboard commemoration of Brown, January 2, 2004
- Box 3, Folder 4 Photographic slides and negatives, basic cinematography, Rockport, Maine, undated
- Box 3, Folder 5 Photographs, miscellaneous, most including Brown , undated

1.6: Miscellaneous Materials, 1975-2004

- Box 3, Folder 6 Pamphlet, *The Circus Kingdom*, Capitol Hill United Methodist Church, Washington, D.C., 1975
- Box 3, Folder 7 Photocopies, Brown and his passport, 1997
- Box 3, Folder 8 Receipt, warranty and description note for Relay Adapter Box, SBIG Astronomical Instruments, 1998-2000
- Box 3, Folder 9 Ticket stub, Super Bowl XXXVIII, Houston, Texas, February 1, 2004
- Box 3, Folder 10 Brown family -- geneology materials [1 of 2], undated
- Box 3, Folder 11 Brown family -- geneology materials [2 of 2], undated
- Box 3, Folder 12 Gag gift, seat storage strip, undated

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Series 2: Professional Papers, 1983-

This series contains official and personal documents, correspondence, memoranda, notes, drafts, worksheets, photographs, invitations, programs, pamphlets, magazines, journals, miscellaneous materials, reports, handouts, briefings, manuals, handbooks, checklists, procedures, instructions, books, booklets, and guidebooks. Official and personal documents, correspondence, memoranda, notes, drafts, worksheets, photographs, invitations, programs, pamphlets, magazines, journals and miscellaneous materials are arranged chronologically. Reports, handouts, briefings, manuals, handbooks, checklists, procedures, instructions, books, booklets, and guidebooks are organized alphabetically by title.

2.1: Official U.S. Navy/NASA Documents, 1983-2002

Box 4, Folder 1	Fitness reports for Brown, U.S. Navy and NASA, 1983-2002
Box 4, Folder 2	Personnel record for Brown, NATOPS Flight Personnel Training/Qualification Jacket, U.S. Navy, 1988-1995
Box 4, Folder 3	Medical license, Brown, Commonwealth of Virginia, September 29, 1989
Box 4, Folder 4	Certificate and photograph, Brown and successful completion of U.S. Navy Strike Leader's Attack Training Syllabus (SLATS), 1990
Box 4, Folder 5	Summary results (print-out), Brown, <i>Pilot Carrier Qualification Summary</i> , U.S. Navy, May-June, 1991
Box 4, Folder 6	Medical and security forms (photocopies), NASA astronaut application, 1991-1994
Box 4, Folder 7	Application, NASA astronaut application for Brown, 1995
Box 4, Folder 8	Certificate, Brown certified as honorary naval aviator, signed by J.D. Kelly (commanding officer of the USS <i>Constellation</i> -- CV 64) , July 29, 2000
Box 4, Folder 9	Certificate, 45th Range Squadron coin, presented to Brown , December 18, 2002

2.2: Correspondence, 1983-2003

Box 4, Folder 10	Correspondence, photograph, memoranda, newsletters, newspaper clippings and magazine, Brown and U.S. Navy [includes letter of congratulations to Brown for selection as NASA astronaut from Admiral of U.S. Navy Pacific Fleet], 1986-1996
Box 4, Folder 11	Correspondence and memoranda, Brown and Medical Additional Special Pay from U.S. Navy, 1983-2001

- Box 4, Folder 12 Correspondence, notes and photocopies, Brown and application for a medical Patent, 1990
- Box 4, Folder 13 Correspondence, memoranda and photograph, NASA astronaut application for Brown, 1991-1995
- Box 4, Folder 14 Correspondence and memoranda, application for U.S. Naval Test Pilot School, 1992-1995
- Box 4, Folder 15 Correspondence, memoranda and press releases, NASA astronaut application for Brown, 1992-1993
- Box 4, Folder 16 Correspondence, memoranda and press releases, NASA astronaut application rejection/acceptance of Brown , 1992-1996
- Box 5, Folder 1 Correspondence, memoranda, notes and press releases, NASA astronaut application and selection for Brown, 1992-1996
- Box 5, Folder 2 Correspondence, notes and travel papers, Brown and interview at the Johnson Space Center for the NASA Astronaut Candidate Program, 1994
- Box 5, Folder 3 Correspondence, U.S. Navy recommendation of Brown for Astronaut Candidate Selection Board, January 25, 1995
- Box 5, Folder 4 Correspondence and memoranda, application by Brown for NASA astronaut Class of 1995 (includes photocopy of letter written by Brown regarding National Air and Space Museum's influence on him, 1995
- Box 5, Folder 5 Correspondence, Jacques Tiziou to NASA Astronaut Class of 1996 (includes commemorative postal cover and stickers), 1996
- Box 5, Folder 6 Correspondence and fitness reports, Brown, FAA Airman Certificate, 2002
- Box 5, Folder 7 Correspondence, STS-107 astronaut reception costs and schedule [includes notes by Brown (?) regarding Harrison Schmitt and the flight of Apollo 17], 2002-2003
- Box 5, Folder 8 Correspondence, room the Czech Republic to NASA/Johnson Space Center , May 3, 2003

2.3: Miscellaneous Materials, 1990-2003

Miscellaneous materials are arranged chronologically.

- Box 30, Folder 6 Maps and paper *blood chit*, Brown and U.S. Navy, 1990

- Box 30, Folder 7 *General Flight Rules*, Air Force Instruction 11-206, July 24, 1994
- Box 30, Folder 8 Information card, STS-94 flight, NASA/JSC, July 1997
- Box 30, Folder 9 Telephone directory, NASA/JSC , Spring 1998
- Box 30, Folder 10 *CRT Reference Summary*, OI-25, Rockwell Aerospace; *Orbiter Displays Reference Guide*, OI-27, Boeing; *Orbiter Displays Reference Guide*, OI-28, Boeing, October 1995, October 1998, and October 1999
- Box 30, Folder 11 Miscellaneous STS procedures cue and knee cards, circa 2000
- Box 30, Folder 12 Miscellaneous name badges and notebook tabs, 2000-2002
- Box 30, Folder 13 STS-107 crew activity schedules, 2000-2002
- Box 30, Folder 14 *STS-107 -- Informed Consent Briefings*, NASA/JSC Human Life sciences, part 1, March 6, 2000
- Box 30, Folder 15 *STS-107 Code U Investigator Working Group Meeting*, Second IWG Proceedings, NASA/JSC [1 of 2], August 15-17, 2000
- Box 30, Folder 16 *STS-107 Code U Investigator Working Group Meeting*, Second IWG Proceedings, NASA/JSC [2 of 2], August 15-17, 2000
- Box 30, Folder 17 Order form for Shuttle in-flight shirts and associated logos and colors, 2001-2002
- Box 30, Folder 18 *Crew Medical Officer Training Syllabus*, WI-SCT-203, Attachment E, Rev. 1, NASA/JSC, August 2001
- Box 30, Folder 19 Lesson script, *Spacehab Research Double Module -- SHAB RDM Nom Ops 31029*, September 2001
- Box 31, Folder 1 Informed consent forms, STS-107, NASA/JSC, Biomedical Research and Countermeasures Project (BR & C), 2002
- Box 31, Folder 2 STS-107 experiment overview handout, 2002
- Box 31, Folder 3 Crew Medical Officer training Syllabus, NASA/JSC, March 2002
- Box 31, Folder 4 Press kit, STS-107 Flight, NASA and United Space Alliance, December 16, 2002

- Box 31, Folder 5 Faxes and copies of emails, Doug Brown (David's brother), aftermath of STS-107 accident, 2003
- Box 31, Folder 6 Information sheets and memoranda, various ceremonies commemorating the loss of the STS-107 crew, 2003
- Box 31, Folder 7 Information sheets, NASA benefits and private charities for the families of the STS-107 crew, 2003
- Box 31, Folder 8 Business cards [including Brown's NASA card], undated
- Box 31, Folder 9 Name placard, Brown , undated

2.4: Memoranda, 1979-2002

- Box 5, Folder 9 Memoranda, medical data and correspondence, U.S. Navy flight school application for Brown, 1979-1990
- Box 5, Folder 10 Memoranda, 1994
- Box 5, Folder 11 Miscellaneous memoranda and handouts regarding official astronaut office guidelines for guest requirements, flown items and Shuttle launch directives, 1995-2002
- Box 5, Folder 12 Miscellaneous memoranda [Shuttle crew email preferences, travel papers, etc.] , 2000-2001

2.5: Notes, Drafts, and Worksheets, circa 1990-2002

- Box 5, Folder 13 Draft, Brown's essay for NASA astronaut application, circa 1995
- Box 5, Folder 14 Miscellaneous notes, charts, briefings and handouts regarding Space Shuttle ascent and reentry systems and procedures, 1997-2001
- Box 5, Folder 15 Briefing notes and schedules, STS-107 Spacehab training, 2000-2001
- Box 5, Folder 16 Notes and briefing handouts [one handout is initialed on a POST-IT by six of the seven STS-107 crew], 2000-2002
- Box 5, Folder 17 Notes and STS-107 crew appearance schedule, 2001-2002
- Box 5, Folder 18-19 Worksheets and notes for astronaut training to speak Russian , undated

2.6: Reports, Handouts, and Briefings, 1992-2002

Reports, handouts and briefings are arranged alphabetically by title.

- Box 6, Folder 1 *Abort-related briefing handouts, 1997-2001*
- Box 6, Folder 2 *Handouts, aircraft fuel availability, July 15, 1996*
- Box 6, Folder 3 *Anthrorack on the Spacelab D2 Mission, SP-1191, European Space Agency (ESA), July 1997*
- Box 6, Folder 4 *ARMS overview, undated*
- Box 6, Folder 5 *Assembly, Integration & Test Center, Boeing Company, February 2000*
- Box 6, Folder 6 *Atmospheric Aerosols and Climate, crew familiarization talk, chapter 2, Joachim H. Joseph [1 of 2], October 31, 2001*
- Box 6, Folder 7 *Atmospheric Aerosols and Climate, crew familiarization talk, chapter 2, Joachim H. Joseph [2 of 2], October 31, 2001*
- Box 6, Folder 8 *Auxiliary Power Unit/Hydraulic Systems Overview Briefing, Lee Coggins, undated*
- Box 6, Folder 9 *CM-2 SOFBALL Crew Training, March 5-8, 2002*
- Box 6, Folder 10 *Environmental Control and Life Support Systems (ECLSS) briefing handouts, 1995-1997*
- Box 6, Folder 11 *EPS MAL 0 SST Review, briefing handout, April 1997*
- Box 6, Folder 12 *Escape Refresher 41020, Space Shuttle crew escape briefing handout, undated*
- Box 6, Folder 13 *Experiment Familiarization Session-Physiology and Biochemistry Experiment Team (PhAB-4), NASA/Johnson Space Center (JSC) , August 31, 2000*
- Box 7, Folder 1 *Fast Reaction Experiments Enabling Science Technology Applications and Research (FREESTAR) Crew Familiarization Briefing, NASA/Goddard Space Flight Center (GSFC), Shuttle Small Payloads Projects office [1 of 2], October 29, 2001*
- Box 7, Folder 2 *Fast Reaction Experiments Enabling Science Technology Applications and Research (FREESTAR) Crew Familiarization Briefing, NASA/Goddard Space Flight Center (GSFC), Shuttle Small Payloads Projects office [2 of 2], October 29, 2001*

Box 7, Folder 3 *Implementation Plan 2001*, NASA/JSC, 2001

Box 7, Folder 4 Briefing, *J-85 Engines*, September 1996

Box 7, Folder 5 Miscellaneous Space Shuttle related system briefing handouts, 1997-2001

Box 7, Folder 6 Briefing, *NASA JSC T-38A Modifications*, presented to the ASCAN Class of 1996, September 11, 1996

Box 7, Folder 7 *NASA Strategic Plan of 2000*, NASA, 2000

Box 7, Folder 8 RCS/OMS related briefing handouts, 1992-1997

Box 7, Folder 9 Space Shuttle descent-related briefing handouts, 1997-2001

Box 7, Folder 10 *Space Shuttle Electrical Power System Overview*, ASCAN briefing, November 12, 1996

Box 7, Folder 11 STS-95 briefing, handouts, 1998

Box 7, Folder 12 STS-107 flight crew briefing with several briefing handouts, 2003

Box 7, Folder 13 STS-107 experiment familiarization and training papers, briefing handouts and manuals, 2000-2002

Box 8, Folder 1 *STS-107 Flight Crew Brief*, circa 2002

Box 8, Folder 2 *STS-107 Informed Consent Briefing (Part II)*, mission overview, NASA/JSC [1 of 2], May 11, 2000

Box 8, Folder 3 *STS-107 Informed Consent Briefing (Part II)*, mission overview, NASA/JSC [2 of 2], May 11, 2000

Box 8, Folder 4 Briefing, *T-38 Flight Control System*, presented to the ASCAN Class of 1996, September 9, 1996

Box 8, Folder 5 Briefing, *T-38 Landing Gear System and Operation*, presented to ASCAN Class of 1996, September 9, 1996

Box 8, Folder 6 Briefing, *T-38 Performance*, NASA/JSC, September 3, 1996

Box 8, Folder 7 Briefing outline, *T-38 Systems Ground School -- 1996*, Weather Hazards, September 11, 1996

Box 8, Folder 8 Briefing, *T-38N Electrical System*, presented to ASCAN Class of 1996, September 1996

Box 8, Folder 9 Briefing, *T-38N Hydraulic System*, presented to ASCAN Class of 1996, September 1996

2.7: Manuals, Handbooks, Checklists, Procedures, and Instructions, 1992-2003

Manuals, handbooks, checklists, procedures, and instructions are arranged alphabetically by title.

2.7.1: NASA Only, 1994-2002

Box 9, Folder 1 *Aircraft Operations and Training Procedures -- T-38 Operating Procedures Volume 1*, Aircraft Operations Division, NASA/JSC, January 2000

Box 9, Folder 2 *Ascent Checklist -- STS-79*, Flight Data File, JSC-48005-79, NASA, undated

Box 9, Folder 3 *Ascent Checklist -- STS-79*, for ASCAN Training Only, Missions Operations Directorate, Flight Design and Dynamics Division, JSC-48005-79, Space Shuttle Program, Flight Data File, NASA, May 24, 1996

Box 9, Folder 4 *Ascent Checklist -- STS-107*, Flight Data File, JSC-48005-107, Final, Rev. A, NASA [1 of 2], March 25, 2002

Box 9, Folder 5 *Ascent Checklist -- STS-107*, Flight Data File, JSC-48005-107, Final, Rev. A, NASA [2 of 2], March 25, 2002

Box 9, Folder 6 *Ascent Checklist -- STS-107*, JSC-48005-107, Flight Data File, NASA/JSC, Final, May 9, 2001

Box 9, Folder 7 *Ascent/Entry Systems Procedures for ASCAN Training Only*, Mission Operations Directorate, Systems Division, Space Shuttle Program, Flight Data File, JSC-48001, generic, Rev I, NASA, June 29, 1994

Box 9, Folder 8 *Ascent Pocket Checklist*, STS ALL, [green band] Flight Data File, JSC-48003, Generic, Rev. G, NASA [1 of 2], January 21, 2002

Box 10, Folder 1 *Ascent Pocket Checklist*, STS ALL, [green band] Flight Data File, JSC-48003, Generic, Rev. G, NASA [2 of 2], January 21, 2002

Box 10, Folder 2 *Ascent Pocket Checklist -- Volume II: OV102, 4*, Flight Data File, JSC-48003-II, Generic, Rev. J, NASA, January 21, 2002

- Box 10, Folder 3 *Assigned Crew Study Guide Orbiter Systems*, NASA, Mission Operations Directorate, Space Flight Training Division, Document #DOP-4331-015, Rev. B, January 14, 2001
- Box 10, Folder 4 *Astronaut Support Personnel Checklist*, ASP Copy #1, for use during LCD, STS-103 Flight Supplement, Flight Crew Operations Directorate, Final, September 21, 1999
- Box 10, Folder 5 *Audio/UHF Training Manual -- AUD/UHF 2102*, Mission Operations Directorate, Space Flight Training Division, Communication and Payloads Training Branch, TD164A, NASA [1 of 3], January 1995
- Box 10, Folder 6 *Audio/UHF Training Manual -- AUD/UHF 2102*, Mission Operations Directorate, Space Flight Training Division, Communication and Payloads Training Branch, TD164A, NASA [2 of 3] , January 1995
- Box 10, Folder 7 *Audio/UHF Training Manual -- AUD/UHF 2102*, Mission Operations Directorate, Space Flight Training Division, Communication and Payloads Training Branch, TD164A, NASA [3 of 3] , January 1995
- Box 11, Folder 1 *Combustion Module-2 Familiarization*, NASA/Glenn Research Center (GRC) [1 of 2], September 2000
- Box 11, Folder 2 *Combustion Module-2 Familiarization*, NASA/Glenn Research Center (GRC) [2 of 2], September 2000
- Box 11, Folder 3 *Data processing System Dictionary -- for ASCAN Training Only*, Mission Operations Directorate, Operations Division, JSC-48017, NASA, March 29, 1996
- Box 11, Folder 4 *Entry Checklist -- Flight Supplement*, Mission Operations Directorate, Flight Design and Dynamics Division, JSC-48020-79, Space Shuttle Program, Flight Data File, Final, NASA, May 20, 1996
- Box 11, Folder 5 *Entry Checklist, STS-101*, [blue band] Flight Data File, JSC-101, Final, NASA, undated
- Box 11, Folder 6 *Entry Checklist -- STS-107 Flight Supplement*, JSC-48020-107, Flight Data File, NASA/JSC, Final, February 16, 2001
- Box 11, Folder 7 *Entry Pocket Checklist, STS ALL*, [green band] Flight Data File, JSC-48021, Generic, Rev. F, NASA [1 of 2], undated
- Box 11, Folder 8 *Entry Pocket Checklist, STS ALL*, [green band] Flight Data File, JSC-48021, Generic, Rev. F, NASA [2 of 2], undated

- Box 11, Folder 9 *EVA Checklist*, Flight Data File, JSC-48023, NASA/JSC, Generic, Rev. G, July 28, 2000
- Box 12, Folder 1 *EVA Checklist*, Mission Operations Directorate, Systems Division, JSC-48023, generic, Rev D, Space Shuttle Program, Flight Data File, NASA [1 of 2], October 18, 1996
- Box 12, Folder 2 *EVA Checklist*, Mission Operations Directorate, Systems Division, JSC-48023, generic, Rev D, Space Shuttle Program, Flight Data File, NASA [2 of 2], October 18, 1996
- Box 12, Folder 3 *EVA Contingency Operations Training Workbook -- CONT OPS 2102*, 88-054, NASA/JSC, Rev. A, March 1995
- Box 12, Folder 4 *EVA Lessons Learned, JSC-26055:1*, volume I, EVA Section/DF42, NASA/JSC, Rev. A, October 1994
- Box 12, Folder 5 *EVA Lessons Learned, JSC-28055:11*, volume II, EVA Section/DF42, NASA/JSC, Rev. A, October 1994
- Box 12, Folder 6 *Extravehicular Activities Space-to-Space Communication System Training Workbook EVA SSCS 21002*, JSC-36345, NASA/JSC, Baseline, March 2000
- Box 12, Folder 7 *Flight Plan -- STS-79, for ASCAN Training Only*, Mission Operations Directorate, Operations Division, JSC-48000-79, Space Shuttle Program, Flight Data File, Final, NASA, July 8, 1996
- Box 12, Folder 8 *Flight Plan -- STS-107 (STS-107 FRR Cycle Trajectory)*, JSC-48000-107, Flight Data File, NASA/JSC, Final, June 21, 2002
- Box 12, Folder 9 *Flight Procedures Handbook, Ascent/Aborts (OI-25)*, Flight Design and Dynamics Division, Trajectory Operations Branch, JSC-10559, Revision D, NASA [1 of 2], March 1996
- Box 12, Folder 10 *Flight Procedures Handbook, Ascent/Aborts (OI-25)*, Flight Design and Dynamics Division, Trajectory Operations Branch, JSC-10559, Revision D, NASA [2 of 2] , March 1996
- Box 13, Folder 1 *Flight Procedures Handbook -- Entry*, Mission Operations Division, JSC-11542, Final, Rev D, NASA, July 1995
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- Box 13, Folder 3 *Flight Procedures Handbook*, volume 1, sections 1 through 5, Mission Operations Directorate, Systems Division, JSC-16873, generic Revision D, NASA [1 of 5], April 7, 1994
- Box 13, Folder 4 *Flight Procedures Handbook*, volume 1, sections 1 through 5, Mission Operations Directorate, Systems Division, JSC-16873, generic Revision D, NASA [2 of 5], April 7, 1994
- Box 13, Folder 5 *Flight Procedures Handbook*, volume 1, sections 1 through 5, Mission Operations Directorate, Systems Division, JSC-16873, generic Revision D, NASA [3 of 5], April 7, 1994
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- Box 13, Folder 7 *Flight Procedures Handbook*, volume 1, sections 1 through 5, Mission Operations Directorate, Systems Division, JSC-16873, generic Revision D, NASA [5 of 5], April 7, 1994
- Box 13, Folder 8 *General Station Training*, Mission Operations Directorate, MOD Space Flight Training Division, NASA, October 29, 1996 , April 7, 1994
- Box 14, Folder 1 *In-Flight Maintenance (IFM) Checklist -- for ASCAN Training Only*, Mission Operations Directorate, Systems Division, Space Shuttle Program, JSC-48025, Flight Data File, generic, Rev D, NASA [1 of 2], November 9, 1994
- Box 14, Folder 2 *In-Flight Maintenance (IFM) Checklist -- for ASCAN Training Only*, Mission Operations Directorate, Systems Division, Space Shuttle Program, JSC-48025, Flight Data File, generic, Rev D, NASA [2 of 2], November 9, 1994
- Box 14, Folder 3 *MEIDEX & SOLSE Crew Training*, NASA/GSFC [1 of 2], February 25-27, 2002
- Box 14, Folder 4 *MEIDEX & SOLSE Crew Training*, NASA/GSFC [2 of 2], February 25-27, 2002
- Box 14, Folder 5 *Manual for Negotiating with Russians*, Steven D. Jones, East-West Business Strategies, prepared for NASA/JSC, Houston, Texas, December 2-4, 1997
- Box 14, Folder 6 *Manual for Russian Cross-Cultural Training*, Steven D. Jones, East-West Business Strategies, prepared for NASA/JSC, Houston, Texas, September 16-18, 1997

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- Box 14, Folder 8 *Orbit Operations Checklist -- for ASCAN Training Only*, Space Shuttle Program, Flight Data File, Mission Operations Directorate, Operations Division, JSC-48035, generic, Rev F, NASA, March 31, 1995
- Box 14, Folder 9 *Orbit Ops Checklist, STS-101*, Flight Data File, JSC-48036-101, Final NASA, undated
- Box 14, Folder 10 *Orbit Pocket Checklist, STS ALL*, [yellow band] Flight Data File, JSC-48033, Generic, Rev. F, NASA [1 of 2], undated
- Box 15, Folder 1 *Orbit Pocket Checklist, STS ALL*, [yellow band] Flight Data File, JSC-48033, Generic, Rev. F, NASA [2 of 2], undated
- Box 15, Folder 2 *Payload Operations Checklist -- STS-107*, JSC-48068-107, Flight Data File, NASA/JSC, Basic, January 24, 2002
- Box 15, Folder 3 *Payload Powerdown, STS-101*, Flight Data File, JSC-48097-101, Final, Rev. A, NASA, undated
- Box 15, Folder 4 *Photo/TV Checklist -- STS-107 Flight Supplement*, JSC-48038-107, Flight Data File, NASA/JSC, Basic, January 18, 2002
- Box 15, Folder 5 *Pilots Abbreviated Flight Crew Checklist, T-38N*, T-38(N)-PCL-1, Rev. A, NASA/JSC, April 2001
- Box 15, Folder 6 *Post Insertion -- STS-98*, JSC-48067-98, Flight Data File, NASA/JSC, Final, September 20, 2000
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- Box 15, Folder 9 *Shuttle Crew Operations Manual*, SFOC-FL0884, NASA [1 of 4], August 1996
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- Box 16, Folder 5 *Space Shuttle Systems Handbook*, Mission Operations Directorate, Systems Division, JSC-11174, part 3, sections 15-22, Rev. F, DCN-3, NASA [1 of 5], April 15, 1999
- Box 16, Folder 6 *Space Shuttle Systems Handbook*, Mission Operations Directorate, Systems Division, JSC-11174, part 3, sections 15-22, Rev. F, DCN-3, NASA [2 of 5], April 15, 1999
- Box 17, Folder 1 *Space Shuttle Systems Handbook*, Mission Operations Directorate, Systems Division, JSC-11174, part 3, sections 15-22, Rev. F, DCN-3, NASA [3 of 5], April 15, 1999
- Box 17, Folder 2 *Space Shuttle Systems Handbook*, Mission Operations Directorate, Systems Division, JSC-11174, part 3, sections 15-22, Rev. F, DCN-3, NASA [4 of 5], April 15, 1999
- Box 17, Folder 3 *Space Shuttle Systems Handbook*, Mission Operations Directorate, Systems Division, JSC-11174, part 3, sections 15-22, Rev. F, DCN-3, NASA [5 of 5], April 15, 1999
- Box 17, Folder 4 *Space Shuttle Systems Handbook*, Mission Operations Directorate, Systems Division, JSC-11174, Rev. F, DCN-4, NASA [1 of 2], March 1, 2000
- Box 17, Folder 5 *Space Shuttle Systems Handbook*, Mission Operations Directorate, Systems Division, JSC-11174, Rev. F, DCN-4, NASA [2 of 2], March 1, 2000
- Box 17, Folder 6 *Space Shuttle Systems Handbook*, Mission Operations Directorate, Systems Division, JSC-11174, Rev. F, DCN-5, NASA [1 of 3], August 1, 2001
- Box 18, Folder 1 *Space Shuttle Systems Handbook*, Mission Operations Directorate, Systems Division, JSC-11174, Rev. F, DCN-5, NASA [2 of 3], August 1, 2001

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- Box 18, Folder 3 *Space Shuttle Systems Handbook*, section 1 to 8, Mission Operations Directorate, Systems Division, JSC-11174, Revision F, NASA [1 of 4], April 15, 1999
- Box 18, Folder 4 *Space Shuttle Systems Handbook*, section 1 to 8, Mission Operations Directorate, Systems Division, JSC-11174, Revision F, NASA [2 of 4], April 15, 1999
- Box 18, Folder 5 *Space Shuttle Systems Handbook*, section 1 to 8, Mission Operations Directorate, Systems Division, JSC-11174, Revision F, NASA [3 of 4], April 15, 1999
- Box 18, Folder 6 *Space Shuttle Systems Handbook*, section 1 to 8, Mission Operations Directorate, Systems Division, JSC-11174, Revision F, NASA [4 of 4], April 15, 1999
- Box 19, Folder 1 *Space Shuttle Systems Handbook*, section 9 to 14, Mission Operations Directorate, Systems Division, JSC-11174, Revision F, DCN-3, NASA [1 of 4], April 15, 1999
- Box 19, Folder 2 *Space Shuttle Systems Handbook*, section 9 to 14, Mission Operations Directorate, Systems Division, JSC-11174, Revision F, DCN-3, NASA [2 of 4], April 15, 1999
- Box 19, Folder 3 *Space Shuttle Systems Handbook*, section 9 to 14, Mission Operations Directorate, Systems Division, JSC-11174, Revision F, DCN-3, NASA [3 of 4], April 15, 1999
- Box 19, Folder 4 *Space Shuttle Systems Handbook*, section 9 to 14, Mission Operations Directorate, Systems Division, JSC-11174, Revision F, DCN-3, NASA [4 of 4], April 15, 1999
- Box 19, Folder 5 *Spacehab Research Double Module (RDM) Operations Checklist -- STS-107*, JSC-48098-107, Flight Data File, Basic, January 18, 2002
- Box 19, Folder 6 *STS-107 BR&C Investigations -- Baseline Data Collection Schedules for MS1(Bn)*, NASA/JSC, Space & Life Sciences, February 2001
- Box 19, Folder 7 *T-38 Aircrew Proficiency Standards*, Aircraft Operations Division, NASA/JSC, April 2000
- Box 19, Folder 8 *T-38 Inflight Guide*, NASA/JSC, May 1995

Box 20, Folder 1 *T-38 Inflight Guide*, T.O. 1T-38N-PCL-1, NASA/JSC , February 1997

Box 20, Folder 2 *T-38 Inflight Guide*, JSC-27203A, NASA/JSC, August 1998

2.7.2: Corporation/Contractor Only, 1996-2001

Box 20, Folder 3 *Enhanced Orbiter Refrigerator/Freezer (EOR/F) Thermoelectric Holding Module (TEHM) Familiarization Manual -- STS-107*, Lockheed Martin, undated

Box 20, Folder 4 *Fast Experiment Operations Checklist, STS-107*, Spacehab Flight Data File, MDC 2000W5824/STS-107/PRE, undated

Box 20, Folder 5 *Fresh Experiment Operations Checklist, STS-107*, Spacehab Flight Data File, MDC 2000W5855/STS-107/PRE, undated

Box 20, Folder 6 *Phlebotomy training Manual*, Wyle Laboratories, undated

Box 20, Folder 7 *Shuttle Crew Operations Manual*, Space Flight Operations Contract, SFOC-FL0884, Rev. B, OI-28, Contract NAS9-2000, United Space Alliance (USA) [1 of 4], October 4, 2000

Box 20, Folder 8 *Shuttle Crew Operations Manual*, Space Flight Operations Contract, SFOC-FL0884, Rev. B, OI-28, Contract NAS9-2000, United Space Alliance (USA) [2 of 4], October 4, 2000

Box 20, Folder 9 *Shuttle Crew Operations Manual*, Space Flight Operations Contract, SFOC-FL0884, Rev. B, OI-28, Contract NAS9-2000, United Space Alliance (USA) [3 of 4] , October 4, 2000

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Box 21, Folder 2 *Shuttle Crew Training Catalog -- Revision J*, R5086-0046J, Contract NAS9-18000, IRD-MT-057TB, Rockwell International [1 of 4], June 1996

Box 21, Folder 3 *Shuttle Crew Training Catalog -- Revision J*, R5086-0046J, Contract NAS9-18000, IRD-MT-057TB, Rockwell International [2 of 4] , June 1996

Box 21, Folder 4 *Shuttle Crew Training Catalog -- Revision J*, R5086-0046J, Contract NAS9-18000, IRD-MT-057TB, Rockwell International [3 of 4], June 1996

- Box 21, Folder 5 *Shuttle Crew Training Catalog -- Revision J*, R5086-0046J, Contract NAS9-18000, IRD-MT-057TB, Rockwell International [4 of 4], June 1996
- Box 21, Folder 6 *Spacehab Experiment Operations Checklist BDS-05*, STS-107 Flight Supplement, MDC 2000W5810, Spacehab Flight Data File, Preliminary, June 12, 2001
- Box 21, Folder 7 *Spacehab Experiment Operations Checklist BIOPACK*, STS-107 Flight Supplement, MDC 2000W5825, Spacehab Flight Data File, Preliminary, May 9, 2001
- Box 21, Folder 8 *Spacehab Experiment Operations Checklist BRIC*, STS-107 Flight Supplement, MDC 2000W5856, Spacehab Flight Data File, Preliminary, December 7, 2000
- Box 21, Folder 9 *Spacehab Experiment Operations Checklist CEBAS*, STS-107 Flight Supplement, MDC 2000W5822, Spacehab Flight Data File, Basic, May 25, 2001
- Box 21, Folder 10 *Spacehab Experiment Operations Checklist CEBAS*, STS-107 Flight Supplement, MDC 2000W5822, Spacehab Flight Data File, Basic, May 25, 2001
- Box 21, Folder 11 *Spacehab Experiment Operations Checklist CIBX*, STS-107 Flight Supplement, MDC 2000W5858, Spacehab Flight Data File, Basic, June 12, 2001
- Box 21, Folder 12 *Spacehab Experiment Operations Checklist -- CM-2*, STS-107 Flight Supplement, Spacehab Program, MDC 2000W5812 , November 6, 2000
- Box 22, Folder 1 *Spacehab Experiment Operations Checklist CM-2 Part 1*, STS-107 Flight Supplement, MDC 2000W5812, Spacehab Flight Data File, Preliminary, June 12, 2001
- Box 22, Folder 2 *Spacehab Experiment Operations Checklist -- CM-2 Part 1*, STS-107 Flight Supplement, Spacehab Flight Data File, MDC 2000W5812, Preliminary, November 5, 2001
- Box 22, Folder 3 *Spacehab Experiment Operations Checklist CM-2 Part 2*, STS-107 Flight Supplement, MDC 2000W5812, Spacehab Flight data File, Preliminary, June 12, 2001
- Box 22, Folder 4 *Spacehab Experiment Operations Checklist -- CM-2 Part 2*, STS-107 Flight Supplement, Spacehab Flight Data File, MDC 2000W5812, Preliminary, November 2001

- Box 22, Folder 5 *Spacehab Experiment Operations Checklist CMPCG*, STS-107 Flight Supplement, MDC 2000W5821, Spacehab Flight Data File, Basic, May 25, 2001
- Box 22, Folder 6 *Spacehab Experiment Operations Checklist CMPCG*, STS-107 Flight Supplement, MDC 2000W5821, Spacehab Flight Data File, Basic, May 25, 2001
- Box 22, Folder 7 *Spacehab Experiment Operations Checklist CMPCG -- Middeck*, STS-107 Flight Supplement, MDC 2000W5821, Spacehab Flight Data File, Preliminary, October 19, 2000
- Box 22, Folder 8 *Spacehab Experiment Operations Checklist CPCG-PCF*, STS-107 Flight Supplement, MDC 2000W5809, Spacehab Flight Data File, October 19, 2000
- Box 22, Folder 9 *Spacehab Experiment Operations Checklist CPCG-PCF*, STS-107 Flight Supplement, MDC 2000W5809, Spacehab Flight Data File, Basic, May 25, 2001
- Box 22, Folder 10 *Spacehab Experiment Operations Checklist CPCG-PCF*, STS-107 Flight Supplement, MDC 2000W5809, Spacehab Flight Data File, Basic, May 25, 2001
- Box 22, Folder 11 *Spacehab Experiment Operations Checklist EOR/F*, STS-107 Flight Supplement, MDC 2000W5804, Spacehab Flight Data File, Preliminary, November 2, 2000, May 25, 2001
- Box 22, Folder 12 *Spacehab Experiment Operations Checklist EOR/F*, STS-107 Flight Supplement, MDC 2000W5804, Spacehab Flight Data File, Basic, June 12, 2001, May 25, 2001
- Box 22, Folder 13 *Spacehab Experiment Operations Checklist -- ERISTO*, STS-107 Flight Supplement, Spacehab Flight Data File, MDC 2000W5859, Preliminary, December 7, 2000, May 25, 2001
- Box 22, Folder 14 *Spacehab Experiment Operations Checklist -- ERISTO*, STS-107 Flight Supplement, Spacehab Flight Data File, MDC 2000W5859, Basic, June 1, 2001, May 25, 2001
- Box 22, Folder 15 *Spacehab Experiment Operations Checklist -- Experiment Handbook*, STS-107 Flight Supplement, Spacehab Flight Data File, MDC 2000W5828, Preliminary, October 23, 2001, May 25, 2001
- Box 22, Folder 16 *Spacehab Experiment Operations Checklist FRESH*, STS-107 Flight Supplement, MDC 2000W5855, Spacehab Flight Data File, Preliminary, November 30, 2000, May 25, 2001

- Box 22, Folder 17 *Spacehab Experiment Operations Checklist FRESH*, STS-107 Flight Supplement, MDC 2000W5855, Spacehab Flight Data File, Basic, June 11, 2001 , May 25, 2001
- Box 23, Folder 1 *Spacehab Experiment Operations Checklist JSC HLS*, STS-107 Flight Supplement, MDC 2000W5813, Spacehab Flight Data File, Preliminary, June 12, 2001
- Box 23, Folder 2 *Spacehab Experiment Operations Checklist MGM*, STS-107 Flight Supplement, MDC 2000W5808, Spacehab Flight Data File, Preliminary, October 25, 2000
- Box 23, Folder 3 *Spacehab Experiment Operations Checklist OSTEO*, STS-107 Flight Supplement, MDC 2000W5820, Spacehab Flight Data File, Preliminary, December 7, 2000
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- Box 23, Folder 5 *Spacehab Experiment Operations Checklist SAMS-FF*, STS-107 Flight Supplement, MDC 2000W5807, Spacehab Flight Data File, Preliminary, January 29, 2001
- Box 23, Folder 6 *Spacehab Experiment Operations Checklist (S*T*A*R*S)*, STS-107 Flight Supplement, MDC 2000W5818, Spacehab Flight Data File, Basic, June 12, 2001
- Box 23, Folder 7 *Spacehab Experiment Operations Checklist TEHM*, STS-107 Flight Supplement, MDC 2000W5803, Spacehab Flight Data File, Preliminary, November 2, 2000
- Box 23, Folder 8 *Spacehab Experiment Operations Checklist TEHM*, STS-107 Flight Supplement, MDC 2000W5803, Spacehab Flight Data File, Basic, May 25, 2001
- Box 23, Folder 9 Spacehab In-Flight maintenance manual, undated
- Box 23, Folder 10 *Spacehab RDM Familiarization*, Spacehab, undated
- Box 23, Folder 11 *Spacehab Research Double Module Familiarization Briefing*, MDC 99W5798, Rev. New RDM Training Manual Appendix B, Spacehab and Boeing [1 of 2] , May 2000
- Box 23, Folder 12 *Spacehab Research Double Module Familiarization Briefing*, MDC 99W5798, Rev. New RDM Training Manual Appendix B, Spacehab and Boeing [2 of 2], May 2000

- Box 23, Folder 13 *Spacehab Research Double Module Familiarization Briefing* [1 of 2], 2000
- Box 23, Folder 14 *Spacehab Research Double Module Familiarization Briefing* [2 of 2] , 2000
- Box 24, Folder 1 *Spacehab Research Double Modue (RDM) Operations Checklist-STS-107*, JSC-48098-107, Spacehab Flight Data File, October 24, 2001
- Box 24, Folder 2 *Spacehab Research Double Module Subsystem Training Manual*, MDC 99W5798, The Boeing Company, February 2001
- Box 24, Folder 3 Spacehab and experiment familiarization manuals and briefing handouts , 2000-2002

2.7.3: Jointly Issued by NASA and Corporation/Contractor , 1996-2002

- Box 24, Folder 4 *Ascent Pocket Checklist -- for ASCAN Training Only*, Mission Operations Directorate, Operations Division, JSC-48003, Space Shuttle Program, Flight Data File, generic, Rev G, NASA and Rockwell, February 16, 1996
- Box 24, Folder 5 *Ascent/Entry Systems Procedures, Volume II: OV102, 4*, Flight Data File, JSC-48001-II, Generic, Rev. K, NASA and United Space Alliance [1 of 2], January 21, 2002
- Box 24, Folder 6 *Ascent/Entry Systems Procedures, Volume II: OV102, 4*, Flight Data File, JSC-48001-II, Generic, Rev. K, NASA and United Space Alliance [2 of 2], January 21, 2002
- Box 24, Folder 7 *CM-2 Part 2 -- Experiment Operations Checklist - STS-107*, Spacehab Flight Data File, MDC 2000W5812/STS-107/PRE, NASA and Spacehab, November 2001
- Box 24, Folder 8 *Deorbit Prep -- for ASCAN Training Only*, Mission Operations Directorate, Operations Division, JSC-48015, Space Shuttle Program, Flight Data File, generic, Rev H, NASA and United Space Alliance , July 5, 1996
- Box 25, Folder 1 *Entry Pocket Checklist -- for ASCAN Training Only*, Mission Operations Directorate, Operations Division, JSC-48021, Space Shuttle Program, Flight Data File, generic, Rev F, NASA and Rockwell, February 16, 1996
- Box 25, Folder 2 *Eristo Experiment Operations Checklist -- STS-107*, Spacehab Flight Data File, MDC 2000W5859/STS-107/PRE, NASA and Spacehab, December 2000
- Box 25, Folder 3 *Experiment Handbook -- Experiment Operations Checklist -- STS-107*, Spacehab Flight Data File, MDC 2000W5828/STS-107/PRE, NASA and Spacehab, May 2001

- Box 25, Folder 4 *Malfunction Procedures*, Mission Operations Directorate, Operations Division, JSC-48027, for ASCAN training only, NASA and Rockwell [1 of 3], January 30, 1996
- Box 25, Folder 5 *Malfunction Procedures*, Mission Operations Directorate, Operations Division, JSC-48027, for ASCAN training only, NASA and Rockwell [2 of 3], January 30, 1996
- Box 25, Folder 6 *Malfunction Procedures*, Mission Operations Directorate, Operations Division, JSC-48027, for ASCAN training only, NASA and Rockwell [3 of 3], January 30, 1996
- Box 25, Folder 7 *Orbit Operations Checklist -- STS-79 Flight Supplement --* for ASCAN Training Only, Mission Operations Directorate, Operations Division, JSC-48036-79, NASA and United Space Alliance, June 27, 1996
- Box 25, Folder 8 *Orbit Pocket Checklist -- for ASCAN Training Only*, Mission Operations Directorate, Systems Division, JSC-48033, generic, Rev F, NASA and Rockwell, Space Shuttle Program, Flight Data File, February 16, 1996
- Box 25, Folder 9 *Post Insertion -- STS-79, ASCAN Training Only*, Mission Operations Directorate, Operations Division, JSC-48067-79, Space Shuttle Program, Flight Data File, Final, NASA and United Space Alliance, July 3, 1996
- Box 26, Folder 1 *Reference Data -- STS-79 Flight Supplement -- for ASCAN Training Only*, Space Shuttle Program, Flight Data File, JSC-48042-79, Mission Operations Directorate, Operations Division, NASA and United Space Alliance, July 10, 1996
- Box 26, Folder 2 *Spacehab Systems Handbook: Research Double Module*, JSC-28828, NASA/JSC, November 26, 2002

2.7.4: Miscellaneous, 1992-2003

- Box 26, Folder 3 *Advanced Flying, T-38*, ATC Manual, 3-3, volume 3, Department of the Air Force, Air Training Command, December 9, 1992
- Box 26, Folder 4 *APU/HYD OPS 2101 -- Support package*, undated
- Box 26, Folder 5 EVA cuff checklist, undated
- Box 26, Folder 6 General T-38 checklists, August 1996
- Box 26, Folder 7 *Instrument Flight Procedures -- Flying Operations*, Department of the Air Force, AFMAN 11-217, Volume 1, April 1, 1996

- Box 26, Folder 8 Miscellaneous training manuals, Russian Space Agency (RSA) for use by U.S. astronauts, Yuri Gagarin Cosmonaut Training Center, Star City, Russia (includes Star City phone list), 1994-1999
- Box 26, Folder 9 Pre-flight [STS-107] activities for crew, 2003
- Box 26, Folder 10 *Soyuz Crew Operations Manual (SoyCOM) (ROP-19) (Final)*, Yu. A. Gagarin Cosmonaut's Training Center, NAS15-10110, 0004AE7a (ROP-19), April 1998
- Box 26, Folder 11 STS-107 experiment and flight procedures, vehicle configurations, food preferences and schedules, 2001-2002
- Box 26, Folder 12 STS-107 experiment and training manuals, briefings and handouts, 2001-2002
- Box 26, Folder 13 T-38(N)-PCL-1, for T-38N aircraft , July 15, 2002

2.8: Notes, Notebooks, and Workbooks, 1994-2003

Notes, notebooks and workbooks are arranged chronologically.

- Box 27, Folder 1 *Extravehicular Mobility Unit Systems Training Workbook*, EMU SYS2102, Mission Operations Directorate, JSC-19450, Rev. A, NASA [1 of 3], September 1989
- Box 27, Folder 2 *Extravehicular Mobility Unit Systems Training Workbook*, EMU SYS2102, Mission Operations Directorate, JSC-19450, Rev. A, NASA [2 of 3], September 1989
- Box 27, Folder 3 *Extravehicular Mobility Unit Systems Training Workbook*, EMU SYS2102, Mission Operations Directorate, JSC-19450, Rev. A, NASA [3 of 3], September 1989
- Box 27, Folder 4 *EXCAN Training Notebook*, group of 10 briefing booklets and multiple single-page handouts on various Russian space systems including space suits [1 of 3] , 1994-1998
- Box 27, Folder 5 *EXCAN Training Notebook*, group of 10 briefing booklets and multiple single-page handouts on various Russian space systems including space suits [2 of 3], 1994-1998
- Box 27, Folder 6 *EXCAN Training Notebook*, group of 10 briefing booklets and multiple single-page handouts on various Russian space systems including space suits [3 of 3], 1994-1998

Box 27, Folder 7 Notes, hard copies of emails, and handouts on Shuttle simulator training ,
2002-2003

2.9: Photographs, 1988-2003

Photographs are arranged chronologically.

Box 27, Folder 8 Photographs, Brown receiving U.S. Navy ground school flight award, 1988

Box 27, Folder 9 Photographs and business cards, Brown, NASA, 1996-2002

Box 27, Folder 10 Photographic slides, astronomy-related, as well as photographs of Brown ,
1998-1999

Box 28, Folder 1 Photographic slides, astronomy-related, 1999

Box 28, Folder 2 Photographs, Brown, circa 2002

Box 28, Folder 3 Photographs, ring found in STS-107 debris field that may belong to Brown,
2003

Box 28, Folder 4 Photographic slides, Brown and U.S. Navy activities, undated

Box 28, Folder 5 Photographic slides, taken by Hubble Space Telescope (HST), undated

2.10: Invitations, Programs, and Pamphlets, 2002-2004

Invitations, programs, and pamphlets are arranged chronologically.

Box 28, Folder 6 Invitations, lists and memoranda, launch of STS-107 at Kennedy Space
Center (KSC), 2002

Box 28, Folder 7 Program, *Lift-off -- STS-107*, NASA/KSC, vol. 4, issue 1, circa 2002

Box 28, Folder 8 Program, *The 46th Annual Goddard Memorial Dinner*, Washington, D.C.,
March 28, 2003

Box 28, Folder 9 Invitation, dedication of the Rick Husband Amarillo International Airport and
Memorial Statue, Amarillo, Texas, January 19, 2004

Box 28, Folder 10 Invitation, celebration of the crew of STS-107, Smithsonian Institution, National
Air and Space Museum, Washington, D.C., February 2, 2004

Box 28, Folder 11 Invitation, Columbia Memorial Dedication, Arlington National Cemetery,
Arlington, Virginia, February 2, 2004

- Box 28, Folder 12 Invitation, memorial ceremony for Ilan Ramon and the crew of STS-107, Embassy of Israel, Washington, D.C. (includes insignia patch), February 3, 2004
- Box 28, Folder 13 Pamphlets and invitations, STS-107 flight, NASA, undated
- Box 28, Folder 14 Pamphlet, *STS-107 Overview -- Space Research and You*, Spacehab , undated

2.11: Books, 1992-1996

Books are arranged chronologically.

- Box 28, Folder 15 Book, 501 Russian Verbs, Thomas R. Beyer, Jr., Barron's Educational Series, Inc., Hauppauge, New York, 1992
- Box 28, Folder 16 Book, *The General's Daughter*, Samuel D. Cioran and Gennedi Kalinin, Fort Dialogue Ontario, Ltd., Dana Point, California , 1993
- Box 29, Folder 1 Book, *Russian Alive! An Introduction to Russian*, Samuel D. Cioran, Ardis Publishers, Dana Point, California , 1996

2.12: Booklets and Guidebooks, 1994-2000

Booklets and guidebooks are arranged alphabetically by title.

- Box 29, Folder 2 Booklet, *Astronaut Support Personnel Book*, Flight Crew Operations Directorate, JSC-20392, Generic, Rev. F, NASA, June 20, 1997
- Box 29, Folder 3 Booklet, *Astronaut Support Personnel Book, STS-93 Flight Supplement -- OV-102*, Flight Crew Operations Directorate, JSC-27605-93, Final, Rev. A, NASA, July 6, 1999
- Box 29, Folder 4 Guide, *Family Support and Separation Guide*, NASA, September 14, 1999
- Box 29, Folder 5 Guide, *Flight Crew Emergency Egress Escape and Rescue*, QS-22A-LSK, SFOC Technical Training, United Space Alliance, October 15, 1996
- Box 29, Folder 6 Guide book, *Performance Maintenance during Continuous Flight Operations*, U.S. Navy, U.S. Naval Strike Warfare Center, 1994
- Box 29, Folder 7 *Preparing for Long Duration Space Missions -- Discussion & Resource Guide for Astronauts*, NASA, Behavioral Health and Performance Group, Astronaut Office, 2000

Box 29, Folder 8 *Reference Data, STS-101* [blue band], Flight Data File, JSC-48042-101, Final, NASA , undated

2.13: Magazines and Journals, 2000-2003

Magazines and journals are arranged chronologically.

Box 29, Folder 9 Journal, *Aviation, Space and Environmental Medicine*, Aerospace Medical Association, vol. 71, no. 6, June 2000

Box 29, Folder 10 Journal, *Aviation, Space and Environmental Medicine*, Aerospace Medical Association, vol. 72, no. 2, February 2001

Box 29, Folder 11 Magazine, *Space Research*, NASA/Marshall Space Flight Center, Office of Biological and Physical Research, vol. 1, no. 3, June 2002

Box 29, Folder 12 Magazine, *Space research*, NASA/Marshall Space Flight Center, Office of Biological and Physical Research, vol. 1, no. 4, September 2002

Box 29, Folder 13 Magazine, *Columbia -- February 1, 2003*, special edition, vol. 7, no. 2, AMI Specials, Inc., 2003

Box 29, Folder 14 Magazine, *Newsweek*, vol. CXXI, February 10, 2003

Box 29, Folder 15 Magazine, *Time*, vol. 161, no. 6, February 10, 2003

Box 29, Folder 16 Magazine, *People*, vol. 59, no. 6, February 17, 2003

Box 29, Folder 17 Magazine, *Israel Today*, no. 50, March 2003

Box 29, Folder 18 Magazine, *The Atlantic Monthly*, vol. 292, no. 4 , November 2003

2.14: Newsletters, 2000-2001

Box 30, Folder 1 Newsletter, *Spaceport News*, NASA/KSC, vol. 39, no. 6 , March 24, 2000

Box 30, Folder 2 Newsletter, *Starscan*, Johnson Space Center Astronomical Society (JSCAS), vol. 17, no. 1, January 2001

2.15: News Clippings, 1996-2005

Box 30, Folder 3 Newspaper clipping, Brown's selection by NASA into the Astronaut Class of 1996, May 22, 1996

Box 30, Folder 4 Article, "Issues Concerning Calcium Absorption and Bone Health" , Steven A. Abrams, The Royal Society of Chemistry, 2003

Box 30, Folder 5 Article, "Bone Markers, Calcium Metabolism, and Calcium Kinetics During Extended-Duration Space Flight on the Mir Space Station" , Scott M. Smith, *Journal of Bone and Mineral Research*, vol. 20, no. 2, 2005

2.16: Oversized Materials, 1968-1998

Box 32, Folder 1 *1974 Grenadier*, Brown's high school yearbook, Yorktown High School, Yorktown, Virginia, 1974

Box 32, Folder 2 *1978 Colonial Echo*, Brown's college yearbook, College of William and Mary, Williamsburg, Virginia , 1978

Box 33, Folder 1 Lithographs, crews from Apollo 7, 9 and 10, 1968-69

Box 33, Folder 2 Certificate, in commemoration of the Phase 1 Shuttle-Mir Program, 1998

Box 33, Folder 3 Photocopies, NASA-related cartoon and one photograph of U.S. Navy aircraft, as well as two U.S. Navy certificates to Brown , undated; March 14, 1983; and February 9, 1990

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Videotapes, 1987-2005

This series consists of videotapes made by David M. Brown as a record of the training received by the crew of Shuttle Mission STS-107; Brown planned to create a postflight documentary on the mission. Additionally, there are three videotapes of Brown's time aboard the USS Carl Vinson (CVN-70), and one tape of his work for the University of Alaska Fairbanks. The series includes several videos made after Brown's death on February 1, 2003 on the Space Shuttle Columbia disaster.

Video descriptions are is taken from the Archives Division motion picture database.

VK 00001: SCDB-001: Ascent Simulation #3, January 3, 2003

1/3/2003. Upside down in cockpit simulator; o/s auto displays; reading from checklist; static camera during ascent simulation #3; low audio & mic off; well exposed for display; can hear Kalpana Chawla, Mission Specialist, track & Rick Husband; Commander Rick Husband in Commander seat.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:36:02

VK 00002: SCDB-002: Ascent Simulation #3, January 3, 2003

1/3/2003. 3 shot of Pilot William McCool, Commander Rick Husband and Dave Brown, Mission Specialist training in cockpit simulator. Film Type: Color; Sound; DVCAM (SD) Run Time: 0:41:43

VK 00003: SCDB-003: T-38 Night Pattern, July 28 - July 29, 2002

7/28/2002 to 7/29/2002 Northrop T-38 Talon night cockpit shots of touch and goes, tTraining footage in classroom with computer Commander Rick Husband, Pilot William McCool, Michael Anderson, Payload Commander and Kalpana Chawla, Mission Specialist talking about reentry angles.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:29:30

VK 00004: SCDB-004: Pics of NOLS, ETC., (bulk March 6, 2001; May 8, 2001)

March 6, 2001 3/6/2001 and May 8, 2001 (5/8/2001). Dave Brown, Mission Specialist's produced video of ESA (European Space Agency) in Holland and NOLS (National Outdoor Leadership School).

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:24:00

VK 00005: SCDB-005: Willie McCool PAO Interview, (bulk May 13, 2002; May 15, 2002)

May 13 and 15, 2002 (5/13/2002 and 5/18/2002) Dave Brown, Mission Specialist's produced video of ESA (European Space Agency) in Holland and NOLS (National Outdoor Leadership School).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:27:40

VK 00006: SCDB-006: Biotube and KSC Sunrise, December 10 - December 12, 2001

12/10/2001 to 12/12/2001 Laurel Clark, Mission Specialist, Michael Anderson, Payload Commander and Ilan Ramon, Mission Specialist in class; launch pad and sunset beauty shots.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:42:00

VK 00007: SCDB-007: KSC Pads #1, (bulk May 13, 15 and 19, 2002)
May 13, 15 and 19, 2002 (5/13/2002, 5/15/2002 and 5/19/2002). Kennedy Space Center: Hydrogen tank; empty RSS (Rotating service structure) early am over water; VAB (Vehicular Assembly Building) across water; Wide Shot of VAB across water; empty RSS across water; wide shot hydrogen fuel tank & water; silhouette RSS in wide shot & closer (birds visible); Empty RSS closer (bird area); car up ramp; dawn or dusk RSS. Dawn RSS (louder sound); various views dawn RSS; sunrise, camera motion is crooked ; VAB wide shot and close up; close up empty RSS; various VAB wide shot; wents fr. RSS; RSS medium shot silhouette.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:41:41

VK 00008: SCDB-009: T-38, RTB and TCDT, December 20, 2002
December 20, 2002 (12/20/2002). Northrop T-38 Talon (jet), RTB, TCDT (suit up): chap 1: air-to-air T38s, dawn, bumpy; good nice move across sun good NASA tail logo good move in peel off 3 planes taxi in; Laurel Clark, Mission Specialist and Pilot William McCool crew walk in from planes (night).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:19:48

VK 00009: SCDB-010: TCDT, PAO and T-38, (bulk December 17, 19, and 20, 2002)
December 17, 19, and 20, 2002 (12/17/2002, 12/19/2002 and 12/20/2002). Personal edited footage including car ad and retirement home. Some done by Dave Brown (nothing to do w/NASA) OR TCDT PAO and Northrop T-38 Talon STS-107.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:55:27

VK 00010: SCDB-011: Ilan Ramon Interview and NBL Bailout #2, November 13, 2002

(Recorded 11/13/2002 1:35PM to 3:53PM) Interview Ilan Ramon, Mission Specialist in Hebrew at Neutral Buoyancy Lab in Launch Entry Suit; Survival training needs refreshing due to long delays; Hebrew really nice shots of Ilan Ramon smiling in pumpkin suit in front of pool. Kalpana Chawla, Mission Specialist describing process, rescue parachute, raft. Hoisted over water and dropped; pan to Commander Rick Husband. Remote Manipulator System submerge; Michael Anderson, Payload Commander in wrap (good shot of Michael Anderson in pool). Laurel Clark, Mission Specialist sync, same instructions, better lift; Rick Husband and person drop her ; 1-2-3; close up Laurel Clark on surface; nice reveal soft another drop, soft, no sound Ilan, glove & good pan to face Pilot William McCool close up Ilan chute going on, describes procedure lift over water (missed drop) another drop (done by kid) Dave Brown in pool Laurel Clark, Rick Husband talking with Ramon's wife and kids poolside close up Kalpana Chawla and Laurel Clark 'hi mom' (nice moment with Kalpana Chawla and Laurel Clark). Close up Laurel LPU; pan to Rick Husband. Kalpana Chawla into helmet; this is you; graphic description Splash in lovely Kalpana Chawla 'looked good' mom and girl child (Ramon's wife and daughter) boy interview (Ramon's son) Dave Brown and mirror (Dave Brown reflecting mirror

at camera) Laurel Clark into mockup Laurel Clark somersault into water William McCool, helmet adjust splash out Rick Husband, same training.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:56:59

VK 00011: SCDB-012: STS-107 Dave Brown, January 9, 2002

January 9, 2002 (1/9/2002). Kalpana Chawla and experiments (centrifuge), close ups including useful (louder). Dave Brown on treadmill; Michael Anderson. Michael Anderson adjust mouthpiece. Michael Anderson and laptop. October 5, 2001 (10/5/2001) Flight simulator, William McCool and Rick Husband (mute) ascent (no sound). June 11, 2001 (6/11/2001) Northrop T-38 Talon's (3) air to air (mute) Kennedy Space Center (no sound). October 23, 2001 (10/23/2001) Boeing KC-135 exterior and interior (sound) ** interesting. KC-135 view out windows during parabolas. October 24, 2001 (10/24/2001) Neutral Buoyancy Lab; Dave Brown, Laurel Clark, Michael Anderson and EVA team. Dave Brown into Hard Upper Torso, beanie. Michael Anderson into Hard Upper Torso beanie. Laurel Clark, helmet on Dave Brown. Laurel Clark, helmet on Michael Anderson. Pan tail to aft bulkhead, past SL, more pans (Nice shot of Orbiter in Orbiter Processing Facility). Nice close up Dave Brown, Michael Anderson. Dave Brown filming with Camera. Crew lowered to back end SL (Michael Anderson and Dave Brown). Move past pods * interesting. Ilan Ramon looking from outside of plastic drape (cutaway).

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:41:11

VK 00012: SCDB-013: STS-107 CEIT and OFP-2, (bulk June 11, 2001; September 20, 2001; October 15, 2001; October 23, 2001; October 24, 2001; January 9, 2002)

A compilation tape recorded from segments 6/11/2001, 9/20/2001, 10/15/2001, 10/23/2001, 10/24/2001 and 1/9/2002. Classroom, Kennedy Space Center. CEIT (squished lens?). Useful sync from Laurel Clark, Ilan Ramon, Michael Anderson (ids)(astronauts introduce themselves in meeting.) Orbiter Processing Facility inspectors; orbiter windows; Husband inside; Willie wears shower cap * interesting Laurel Clark at hatch 'Welcome to Columbia' (nice shot and cut into Columbia with Michael Anderson, Rick Husband, William McCool and Dave Brown) Laurel Clark and Ilan Ramon in hatch, Boeing KC-135; stowage space (good shot) Ilan Ramon 'looks beautiful.' Nice on Dave Brown (light saber). Dave Brown on stomach with tags (use Kalpana Chawla cutaway). Labels don't show names. Dave Brown: 'you just saved 3 min on orbit.' Good cutaway for William McCool and Michael Anderson. William McCool and Michael Anderson. William McCool and Michael Anderson two shot. Crew in flight suits - Orbiter Processing Facility? Dave Brown, orbiter nose (shots of Dave Brown filming). Complex structures at Orbiter Processing Facility. Main engine bells. Underside pan to right wing. Move past aft bulkhead.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:57:00

VK 00013: SCDB-014: STS-107

(Still frame Ilan Ramon and Laurel Clark blood draw. William McCool interview Public Affairs Office (shot from side) (face blown out); discusses medix experiment (would need to get the real interview); bone loss, student experiments; fire (cm2) safety experiment; how he got involved: pilot, marine, his father parental influence. Most. Picture ok. Woman, no sound. Resume

interview. William McCool interview continues. How does STS-107 help environment with Earth science; ozone levels, Midex; solsm. Exploring the universe, life sciences. Proud parents. Spotlight. Wave of the future. Freeze.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:57:38

VK 00014: SCDB-015: NOLS [National Outdoor Leadership School] Final, September 21, 2001

NOLS: National Outdoor Leadership School. Dave Brown and Laurel Clark; brownies, bear scat. September 21, 2001 (9/21/2001) T-38 parked, Dave Brown. Flying in, thunderheads; (point of view Northrop T-38 Talon) beautiful. Cockpit controls. Laurel Clark; close up in T-38.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:16:38

VK 00015: SCDB-016: 24 Hour JIS [Joint Integrated Simulation], (bulk May 3, 2002; June 21, 2002)

5/3/2002, 6/21/2002 and 5/3/2002. 24 Hour JIS (Joint Integrated Simulation). Michael Anderson and checklist in Spacelab. Dave Brown aft flight deck. Crew, exit simulator (maybe Space Environment Simulator dome) 'it's Ilan Ramon's birthday' with cake. Computer Earth. Commander (Rick Husband) aft flight deck. Laurel Clark and taco. Michael Anderson eating soup (Kalpana Chawla on audio track). Ilan Ramon on flight deck, in Hebrew follows close up. Voice over (Commander (Rick Husband) re delay, move to VAB) shot of feet. Two shot Ilan Ramon and Commander (Rick Husband) flight deck, over Spain and Portugal. Throwing stuff at lockers, middeck; punching torsos.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:22:00

VK 00016: SCDB-017: Dave Brown Documentary Camera

Short documentary about Fuller Chevy. Also, '2 years working...' Dave Brown's introspection (great interview of Dave Brown talking to Camera).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:07:27

VK 00017: SCDB-018: Documentary Camera Bester Cram, (bulk March 9, 2001; July 10, 2002)

July 10, 2002 (7/10/2001) and March 9, 2001 (3/9/2002). Northrop T-38 Talons in flight no sound. Fire suppression system training on top of launch pad. Rescue door. Shot of crew listening to instructor. Talking about emergency escape basket that takes astronauts from launch pad to ground. Laurel Clark, Ilan Ramon and Michael Anderson climb into basket. Test run of rescue basket. Point of view from launch pad. Close up of numbered baskets 1-7 for each astronaut. Astronauts in elevator. Back of tank. Nice crew shot. T-38s sitting on runway (no sound). T-38s in flight (no sound).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:29:53

VK 00018: SCDB-019: Ascent Simulation #1, April 22, 2002

April 22, 2002 (4/22/2002). Simulated Ascent Run 3; displays upside down; Commander (Rick Husband), and Kalpana Chawla on track; marking cue cards; static view displays upside down. Alarm goes off. Kalpana Chawla

pan to Commander (Rick Husband), pan to William McCool, to Dave Brown, headphones.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:38:49

VK 00019: SCDB-020: Tape #20, June 10, 2002

June 10, 2002 (6/10/2002). Astronaut's families into Simulator (Mobile Base System). Families into Simulator (Mobile Base System). Mobile Base System rises up (ext view, big pitch). View from underneath (wriggling). Laurel Clark & kids spinning. William McCool interior Mobile Base System, instructions to?? Return to Launch Site; good description from William McCool on audio track. (good audio)

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:17:09

VK 00020: SCDB-021: Highlights, (bulk May 11, 2002; December 10, 2002)

December 10, 2002 (12/10/2002) Spacehab training and May 11, 2002 (5/11/2002) go cart racing (not crew).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:18:05

VK 00021: SCDB-022: T-38s to CEIT, June 7, 2002

Northrop T-38 Talons to Crew Equipment Interface Test, June 7, 2002 (6/7/2002); air to air T-38 above. Air to air crew visible. Air to air two T-38s, zoom ins (all soft), underflight, ugly flares, close up head Dave Brown (useful cutaway (great shot of pilot or navigator in cockpit)), close up head from right side, more air to air. Pans from point of view to air to air side. Rick Husband and Kalpana Chawla are in 955. Willie McCool and Laurel Clark are in 908. Dave Brown and Ilan Ramon are in 969.

Film Type: Color; Sound; MiniDV (SD) Run Time: 1:00:05

VK 00022: SCDB-024: Bester Cram Evaluations

Bester Cram Evaluations.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:13:49

VK 00023: SCDB-025: Bester Cram Improvisations

Unknown people in a Bester Cram acting class.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:26:35

VK 00024: SCDB-026: Entry Simulation Preparation, April 29, 2002

April 29, 2002 (4/29/2002). 1. Kalpana Chawla and William McCool discuss D/O brief. Kalpana Chawla and William McCool discuss computers in office; 2. Entry Simulation preparation, review control buses (Malfunctions). WS crew in office (minus Dave Brown & Michael Anderson). Close up cue card review. Michael Anderson comes in. 3. Crew management and schedule slip, going over timeline.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:22:24

VK 00025: SCDB-027: Deorbit Simulation, (bulk February 13 - 14, 2002; February 20, 2002)
2/13/2002, 2/14/2002 and 2/20/2002. Ilan Ramon on ergometer; biomed testing.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:42:00

VK 00026: SCDB-028: T-38s to McDill AFB, June 11, 2001
June 11, 2001 (6/11/2001). Weather over Texas, Louisiana; crew in flight suits discuss weather. Taxi out to runway nice shot. Northrop T-38 Talons air to air (bad flare); planes in the clouds; instruments. Great flying and landing footage.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:40:10

VK 00027: SCDB-028: Documentary Camera Rockport, Maine
Documentary footage of Rockport, Maine, shot for the videography course taught by Bester Cram.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:26:01

VK 00028: SCDB-030: STS-107 at ESTEC
Crew video set to Music; National Outdoor Leadership School (NOLS) outdoors, Northrop T-38 Talons, Boeing KC-135; Neutral Buoyancy Lab EVA underwater. Sample training video cut by NASA. Visit to ESTEC Holland (music). Columbus, experiments, Rick Husband Simulation; Return to Launch Site (audio) Ilan Ramon checklists (music) Rick Husband in simulator.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:05:33

VK 00029: SCDB-031: EVMS Reunion
Crew National Outdoor Leadership School (NOLS) Video (set to music) same as tape 30 but longer, possible pre-edit. Letterbox Northrop T-38 Talon; Kennedy Space Center pad; Vehicle Assembly Building; runway; night flying; spacelab; IRC experiment; glovebox; Boeing KC-135; blood draw; ascent MBS. Launch; SIM & MOCR; shutdown APUZ PR on these SIMS; solid rocket booster separation (dramatic music) MBS with Starwars lighting.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:13:52

VK 00030: SCDB-032: Fuller Chevy #2, July 10, 2002
July 10, 2002 (7/10/2002). Personal, Fuller Chevy car commercial shot and edited by Dave Brown. July 10, 2002 (7/10/2002) interview with Dave Brown.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:58:32

VK 00031: SCDB-033: STS-107 CEIT Tape #2, June 8, 2002
June 8, 2002 (6/8/2002). Crew Equipment Interface Test (CEIT). Crew looking at underside of shuttle. Technicians looking at black tiles on underside of shuttle checking measurements and talking.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:03:43

VK 00032: SCDB-034: SCA Run #5

SCA 1/3/2003 11 - 12 run 5 and last run. Backroom (possibly in simulator); ascent or NC burn; one camera position on team from behind.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:59:05

VK 00033: SCDB-035: Fuller Chevy #1, July 10, 2002

July 10, 2002 (7/10/2002). Personal, Fuller Chevy car commercial shot and edited by Dave Brown. July 10, 2002 (7/10/2002) interviews with employees of the franchise.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:53:50

VK 00034: SCDB-036: Transportation Museum, July 19, 2002

Personal, unknown people in a Bester Cram acting class and transportation museum, July 19, 2002 (7/19/2002).

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:25:27

VK 00035: SCDB-037: Amsterdam BDC #2, October 10, 2002

October 10, 2002 (10/10/2002) Amsterdam experiments BDC. Michael Anderson, blood pressure; puts on head gear; lies down. Good close ups and sound, electrodes. The table that Anderson is strapped to tilts to vertical and back, low angle shots.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:35:48

VK 00036: SCDB-038: Long JIS, June 21, 2002

June 21, 2002 (6/21/2002) Long JIS (Joint Integrated Simulation). In simulator (mute). Michael Anderson in SL experiment; Ilan Romon aft flight deck and close up (mute). Simpson's cartoon with Buzz Aldrin, launch; potato chips (mute). Same as above, with sound, narrated by crew commander Rick Husband.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:21:15

VK 00037: SCDB-039: XL-1 Lesson

Public Affairs Office demo of Canon XL-1 Digital camcorder familiarization. This is the unedited footage as there are several takes of each step.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:36:24

VK 00038: SCDB-040: Dag Linnarsson, January 17, 2002

January 17, 2002 (1/17/2002) interview with Dag Linnarsson, Professor, University of Stockholm, heart specialist slightly soft.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:52:22

VK 00039: SCDB-041: Amsterdam, May 2001

ESTEC Training, European Space Centre, Netherlands with music. Payload, personnel, some shots of experiments; baseline data collection; slab table rotation; Rick Husband; Amsterdam scenes; crew eating; flowers; tulips; cycling;

Laurel Clark's shoots; cycling. Kuekenhof, May 2001; tulips, stills lovely pictures of Laurel Clark; airlock prep/post class; sound begins; in middeck, Laurel Clark and Michael Anderson prepping Extravehicular maneuvering unit suits. In airlock with Extravehicular maneuvering unit suits on Dave Brown and Mike Anderson (Dave Brown waves at camera). Frank Culbertson and screwdriver installing back of rack; Marsha Ivins audible on track.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:37:21

VK 00040: SCDB-042: Fuller Chevy #3

Personal Fuller Chevy car commercial footage. Interviews with employees of the franchise continue and the finished program.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:59:09

VK 00041: SCDB-043: STS-107 Training Demo

Training demo (edit of tape #12) edit of tape #12. Kalpana Chawla with experiment; Michael Anderson breathes. Boeing KC-135 plane. Neutral Buoyancy Lab EVA, ingress pool. Air to air Northrop T-38 Talon, good. Simulator; ascent, working Return to Launch Site (good shots with sound). Simulator; in Launch and Entry Suit. National Outdoor Leadership School training excerpt video. Also a pair of Eastman Kodak demonstration films 'Danger' and another 7245 film stock demo.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:23:40

VK 00042: SCDB-044: STS-107 NBL Run #5, October 18, 2002

Neutral Buoyancy Lab (NBL) Training October 18, 2002 (10/18/2002); Michael Anderson with wife. Michael Anderson gets into EVA suit bottom with wife in background. Dave Brown gets into suit bottom. Trainers help Michael Anderson into top of suit. Dave Brown gets into top of suit. Michael Anderson with wife posing for pictures. William McCool and Michael Anderson's wives. Pan from pool to astronauts. Dave Brown in full gear putting on his gloves. Dave Brown gets help with helmet. Wide shot of astronauts lowered into pool. Medium shot above platform as astronauts are unhooked and floating. Inside Neutral Buoyancy Lab control room with monitors; Laurel Clark on headsets. Wide shot looking down into pool. Back in control room (Laurel Clark talking to William McCool and Michael Anderson's wives). Pan up from Laurel Clark to monitors and pull out.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:27:25

VK 00043: SCDB-045: Flight Day Highlights, May 15, 2002

May 15, 2002 (5/15/2002) JIS (Joint Integrated Simulation): Laurel Clark purple gloves works MALS experiment; sync. Medical samples (blood?); Rick Husband and Kalpana Chawla on flight deck sync. Rick Husband and Kalpana Chawla flight deck NO SOUND. Ilan Ramon and Laurel Clark experiments sound. Ergometer, Ilan Ramon on tricycle NO SOUND (Neat shot of Ilan Ramon). William McCool and food, mmmm good (cut short) sound (interesting). Repeat Laurel Clark and purple gloves with certain loops on audio helps as narration; like a practice downlink (Laurel Clark and Rick Husband narrate footage).

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:11:22

VK 00044: SCDB-046: STS-107 Building 9 Ingress Brief, November 18, 2002
November 18, 2002 (11/18/2002) Classroom brief crew on ingress. Camera on floor, picture is no good. Building 9, Commander Rick Husband assisted into Launch and Entry Suit suit, fitting suit (How does the harness feel? Can you breathe?). William McCool into parachute backpack discussing launch date. Nice shot of William McCool smiling. Describes session, what they're doing, Com vs and Mode Egress, describes emergency egress / slidewire (great interview with William McCool). Michael Anderson describes emergency strap in, mode, egress; rumors of launch shift (good interview with Michael Anderson). Trainer discuss swap with STS-113 soft. Kalpana Chawla and Laurel Clark. Nice 2 shot of Kalpana Chawla and Laurel Clark and very short interview. Dave Brown on Camera and Interview (great interview with Dave Brown). William McCool putting helmet on (no sound).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:54:00

VK 00045: SCDB-047: CEIT Window Inspection, June 8, 2002
June 8, 2002 (6/8/2002) CEIT (Crew Equipment Interface Test) window inspection. Rick Husband and William McCool crawl into Columbia (Rick Husband 'Let's do this'). Michael Anderson and Rick Husband inspecting interior of Columbia. Rick Husband and William McCool in cockpit pulling down window covers (Rick Husband 'Got you loud and clear'). Light inspection of cockpit windows (Rick Husband talks about the haziness of the cockpit glass). Laurel Clark and Ilan Ramon inspecting airlock interior Columbia. Laurel Clark and Michael Anderson working with hose. Crew gets briefed on sleeping quarters. Ilan Ramon crawling through shuttle tunnel. Techs ext. Shuttle. Crew looking at equipment exterior shuttle. Tech talking to crew. Pan of payload bay with Laurel Clark talking to tech. Shots inside payload bay. Dave Brown working in payload bay; shots of crew and techs around payload bay. Laurel Clark checking tether sliders along payload bay. Good shot of Laurel Clark in basket above payload bay. Dave Brown checking tether lines along sliders.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:41:40

VK 00046: SCDB-048: STS-107 KC and Rick [Husband], September 28, 2001
September 28, 2001 (9/28/2001) Crew Compartment Trainer, interview Laurel Clark and Dave Brown on why they became astronauts (inside Crew Compartment Trainer simulator) (Simulated Public Affairs Office interview about schools and how they became astronauts), in mid deck; Dave Brown and Laurel Clark. Flight deck; with Dave Williams; Ops, setting up video (Public Affairs Office session) in simulator. Rick Husband: snowflake experiment. Practice Public Affairs Office downlink. Flight deck, Kalpana Chawla no good, mute and fuzzy.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:20:54

VK 00047: SCDB-049: Cut Away PD-100 #1, (bulk January 26, 2001; February 2, 2001; February 7, 2001.)

Personal Cut Away PD-100 #1; computer generated images of the space station. XL-1 work February 2, 2001; January 26, 2001, February 2, 2001 and February 7, 2001.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:22:04

VK 00048: SCDB-050: STS-107 Crew Photo #2, August 14, 2001

8/14/2001. Posing in Launch Entry Suits, crew pictures bit soft. Crew joking and laughing (nice moment). Laurel Clark clowning. Good flash. Tilt heads and flash. Lean in. Picture with ? Unknown (maybe backup). Another team member poses with crew; Roz. With trainers. With both women. With "Robert." Some good laughs. Commander Rick Husband joke picture, lying horizontal. Group breaks up lighting no good. Lined up in Launch Entry Suits on chairs? Unusual view. Commander Rick Husband mugs, nice laugh.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:30:00

VK 00049: SCDB-052: Simulations and Briefings, (bulk April 15, 16, 18, 2002)

April 15, 16, and 18, 2002 (4/15/2002, 4/16/2002 and 4/18/2002) In Payload Operations Control Center; simulation support and simulation schedule discussion with crew (favor Ilan Ramon) some bits could be used in simulation context. Reference to eating during simulations. Pan to Rick Husband, Kalpana Chawla, Laurel Clark. It's as much fun for them as it is for you. Another briefing begins with trainer... if you had an engine fail, no communications (discussion about engine scenarios). Discussions about engine failure responses. Close up malfunction cue card about engine shutdown. Good close up Commander Rick Husband for editing. Helium leak shut down. Helium leak procedure. Real simulator "Fire Suppression", Kalpana Chawla and Commander Rick Husband following check lists real simulation (good simulation footage). Front angle Kalpana Chawla and Commander Rick Husband, good "what if." Kalpana Chawla, Rick Husband, Laurel Clark in simulator.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:38:21

VK 00050: SCDB-053: T-38 PC9 Test, (bulk November 19, 2001; and December 4, 2001)

November 19, 2001 (11/19/2002) and December 4, 2001 (12/4/2001). Interior cockpit Northrop T-38 Talon footage of pilot (good sound on this footage). Camera looking over pilots helmet to navigator seat. Point of view out front window of T-38. Instrument panel. POV out front window w/cloud cover; out side window; looking down. Upside down in mission simulation cockpit.

Film Type: Color; Sound; MiniDV (SD) Run Time: 1:02:33

VK 00051: SCDB-054: NBL Sunita Williams #1, March 15, 2002

(3/15/2002. Not STS-107 Crew) Sunita Williams ingress extravehicular maneuvering unit, into Hard Upper Torso; Neutral Buoyancy Lab soft (Sunita Williams, astronaut) it can be a little intimidating... good voice over, trainer. Putting on gloves. Tool check. Ingress pool. Interior control room Neutral Buoyancy Lab, lady possibly Sunita Williams's mom. Screens in control room. View of A/L; crew close up underwater (Neutral Buoyancy Lab video). Wide

view underwater: Destiny module with other module on top. Maybe Columbus?
Mom's elbow.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:40:48

VK 00052: SCDB-055: NBL Sunita Williams #1, March 15, 2002
(3/15/2002. Not STS-107 Crew). Sunita Williams tape #2: Neutral Buoyancy Lab,
various underwater video, Mom at end.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:23:23

VK 00053: SCDB-056A: Spacehab Bench Review #1, (bulk March 19, 2002;
March 23, 2002)

Personal Duplicate of March 19, 2002 (3/19/2002) Spacehab, and March 23,
2002 (3/23/2002) women birdwatching (same as tape 65).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:10:29

VK 00054: SCDB-056B: Spacehab Bench Review #2, March 18, 2002

March 18, 2002 (4/18/2002) Bench Review: crew planning data package,
Ilan Ramon in box good footage of them talking through tedious procedures
-- everyone is in footage -- even Dave Brown. Wide shot Ilan Ramon in box.
Packed items, checking off on list; unpacking baggies (Ilan Ramon). Kalpana
Chawla asking questions. Laurel Clark asks 'not sure how it's gonna fit.' Laurel
Clark and Commander Rick Husband. Ilan Ramon and media bag (Spacehab
media tapes). Kalpana Chawla unpacks 'my bag'. Kalpana Chawla about -
labels. missing Velcro. Crossing off items on stowage list. Laurel Clark gets
flustered 'What is Alms?' Dave Brown 'I don't know.' Michael Anderson and gear
(CO2 absorber). More checking off list. Glove box dirty. (Centrifuge?)

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:36:22

VK 00055: SCDB-057: ESTEC and Biopack

ESTEC (European Space Centre, Noordwijk, Netherlands) footage short. Sight
seeing in Amsterdam; eating in cafeteria. Close up William McCool working
with experiment from Switzerland (sample in glove box) detailed explanation
by William McCool of experiment shown in closeup - good footage, but not
many close ups of William McCool. Controls for freezing, cooler, etc. experiment
containers, close door. Interior centrifuges, glove box. X stress. Screwdriver on
culture box. Bones experiment. Lukin 18 syringe. Orange hotel flag. Statue of ?
Dutch historical person?? Or?? Exterior hotel seem overexposed. Beach seems
overexposed.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:38:19

VK 00056: SCDB-058: Timeline Training

Time line training. Dave Brown on bike in Crew Compartment Trainer "15
minutes of rest." With mouthpiece pedaling. Michael Anderson doing blood
draws on staff person/trainer. Michael Anderson doing blood draws on another
staff person/trainer.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:06:30

VK 00057: SCDB-061: CEIT Dinner #1, June 7, 2002

(6/7/2002) Interior Crew Compartment Trainer, look through hatch to middeck. Kalpana Chawla up to flight deck. Crew Equipment Interface Test dinner, Ilan Ramon cooking; crew in kitchen (great footage of crew cooking and eating together). Puts mixture on green salad. Toast to Crew Equipment Interface Test; eat dinner. Ilan Ramon: "How difficult is it to sleep the first night?" Commander Rick Husband "It took me three nights to sleep through the night, seeing the sun come up right before I went to bed."

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:24:30

VK 00058: SCDB-062: CEIT Dinner #2, June 7, 2002

Crew meal, discussing on-orbit schedule and prelaunch prep. Cue the Bug (Ilan Ramon?). Crew humor. Talk about launch audience, family access. Best viewing spot static view from corner of table. Discuss wine on orbit. Ripping off name tag tradition. Commander Rick Husband people get a kick. Discuss Dave Brown's taping. Discuss items and mementos to fly. Smushed mosquito, broken trowel (laughter). Throw a party; discuss Space Station 3D movie. Ilan Ramon moving day. Schedule getting busy. Coke vs Pepsi (too sweet for Ilan Ramon, "atrocious"). "Let's go with the green crew shirt (laughter).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:42:00

VK 00059: SCDB-066: Earth Observation Class, June 18, 2002

(6/18/2002) Earth Observation Session (maps). Julie Robinson gives and overview for the STS-107 crew. No sound. Nice shot of William McCool. Start sound. Close-up on trainer; how humans are changing Earth, as seen from space; deforestation (look for burning from space), Brazil; replanting; rate deforestation hasn't decreased in 10 yrs.; Coral reefs (health of) some slipping sync; crew in classroom with trainer). Crew watching. Good shots of William McCool, Laurel Clark and Rick Husband watching Korea industrial development. Importance of Earth Observation. Importance of images.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:36:00

VK 00060: SCDB-067: ESTEC, Biking and Training

Crew at ESA (European Space Agency). Columbia mockup. Classroom technician lesson; absorption of surface tension experiment with Powerpoint. William McCool at piano very short and bad exposure. Crew on bikes - tour of Netherlands great moments with crew on bikes. Country trails; lying in flower petals (tulip farm). Lunch; more tulips. On beach at sunset. Ext. ESA. classroom / ESA; experiment, training APCF (protein crystal). Columbus mockup (European module). Exterior ESA. Dinner outdoor café. Biomed experiment: operations with Commander Rick Husband; lunch outdoors in Amsterdam; canal boats crew walks down canal through frame.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:42:00

VK 00061: SCDB-068: Kalpana Chawla and William McCool Study Session

Kalpana Chawla and William McCool quizzing each other (good footage in astronaut offices). Lauren comes in and leaves. 2 shot with Ilan Ramon in back ground. Good shot of William McCool. Good shot of William McCool with Ilan Ramon in back ground. Kalpana Chawla and William McCool joined by Dave Brown.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:22:30

VK 00062: SCDB-069: Centrifuge, December 3, 2001

(12/3/2001) Close-up red police light (rotating beacon), of interest to a general audience. Centrifuge (great footage). Laurel Clark ingress in Landing and Entry Suit. Time-coded view of Laurel Clark strapped in. Door close conversation with Laurel Clark about adaptation and effects on vestibular system. Good conversation with Laurel Clark about mission experiments. Laurel Clark talking about what it's like for your body when you come back from space.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:27:00

VK 00063: SCDB-070: Dave in the Pool #1, October 23 - 24, 2001

October 23, 2001 (10/23/2001) Boeing KC-135 training, Michael Anderson, Dave Brown, et al on ground and airborne. October 24, 2001 (10/24/2001) Neutral Buoyancy Lab - Dave Brown and Michael Anderson ingress; Extravehicular maneuvering unit suits; poolside - Laurel Clark in civvies copy of an earlier tape.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:40:50

VK 00064: SCDB-071: Dave in the Pool #2, October 24, 2001

(10/24/2001) Michael Anderson and Dave Brown in Neutral Buoyancy Lab, payload bay operations NO AUDIO - Good footage in Neutral Buoyancy Lab. Practice egress thru airlock. Working with tools. Wide views. Working with trainer divers. Good illustration of Neutral Buoyancy Lab training.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:42:00

VK 00065: SCDB-072: Dave in the Pool #3, October 24, 2001

Neutral Buoyancy Lab, NO AUDIO. Payload bay doors closed (possible rehearsal emergency); open ops with flashing lights. Wider views good fundamental training. Working along sill. Working on payload on pallet structure.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:33:00

VK 00066: SCDB-073: Laurel Clark and William McCool Pay Load Bay Doors #1

In simulator with audio (good training footage). Laurel Clark and William McCool training on payload bay doors, going over checklist and procedures; could tie in with Neutral Buoyancy Lab training tape 72 and 71. (maybe). Shows setup of simulator. Over shoulder William McCool to payload bay display (shows payload bay doors opening and closing).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:42:00

VK 00067: SCDB-074: Laurel Clark and William McCool Pay Load Bay Doors #2

Laurel Clark and William McCool continued, four shot with trainers (continuation of tape 73 [VK 00066]). Working failures and solving problems. More failures, microswitch. Another scenario.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:17:40

VK 00068: SCDB-075: DST Contingency Abort, April 4, 2002

April 4, 2002 (4/19/2002) Rick Husband, William McCool, Kalpana Chawla and trainer at monitors, discuss shuttle maneuvers, contingency abort. Sue Crippen.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:03:36

VK 00069: SCDB-076: Leonids Final

"Attack of the Leonids"; flying in at night; Pickett House Rest; camping, at night - Leonids. Small aircraft landing (day). STS-107 training highlights. Air to air - Kennedy Space Center landing copy of footage on another tape (edited training highlights). Spacehab interior training in clean room. Boeing KC-135 exterior; Neutral Buoyancy Lab; simulator.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:11:00

VK 00070: SCDB-077: STS-109

STS-109 landing (Scott Altman); Mission Control Center; orbiter on tracker; Heading Alignment Circle; audio interview with Linda Ham about performance landing replays.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:17:54

VK 00071: SCDB-079: VCD KSC Training

Air-to-air in Northrop T-38 Talon; good T-38 natural sound. T-38 shots. Under T-38. Medium shot of cockpit. Airborne over Kennedy Space Center at dawn. Kalpana Chawla in clean room with experiment and checklist. Laurel Clark with laptop. Laurel Clark, Kalpana Chawla and Michael Anderson working together on experiment.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:37:00

VK 00072: SCDB-080: KSC Pads

Kennedy Space Center; camera at launch pad (1 min only).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:01:00

VK 00073: SCDB-081: Reel 1

Laurel Clark and Michael Anderson discussing communications with trainer. In classroom with computers. Laurel Clark and William McCool flight suits; Ilan Ramon; Laurel Clark on phone good audio of Laurel Clark filing flight plan. William McCool and checklist - ?? signals. Northrop T-38 Talon walkout (Dave Brown), taxi out, approach nice shots of astronauts getting into T-38s and taxiing. Air to air and landing. Gear comes down on approach to runway. Taxi after landing; Ilan Ramon, William McCool and Dave Brown. William McCool at computer. Laurel Clark at laptop. Trucks at flooded road? Storm - blocked road; possibly Clear Lake (Johnson Space Center area) driving through rain

(public announcement or radio - flood warning); exterior houses, thunder; wet feet; anthill.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:38:00

VK 00074: SCDB-082: STS-108 KSC Pads #1, December 13 - 14, 2001 (12/13/2001 and 12/14/2001) Kennedy Space Center pad (empty). Various long views of VAB [Vehicle Assembly Building]; clouds; shuttle landing pass by STS-108; and sonic boom.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:22:00

VK 00075: SCDB-083: STS-107 Payload Specialist Interview

Interview Israeli scientist and holocaust survivor - tells of Bar Mitzvah in Bergen-Belsen; Ilan Ramon visited him; asked to take the memorial into space. Describes aerosol experiment he designed (weather related experiments and visibility from space). Incredibly moving (interview good, but not clear or concise enough for the show).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:13:29

VK 00076: SCDB-084: NLB #4

Neutral Buoyancy Lab - Dave Brown, egress suit, Laurel Clark assists, helmet off; Dave Brown describes problems, long shot of Dave Brown in under suit Dave Brown coming out of Neutral Buoyancy Lab.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:04:33

VK 00077: SCDB-085: Snowflake, June 23, 2001

(6/23/2001) Public Affairs Office interview Laurel Clark and Dave Brown. Clark making snowflakes for kids. End and repeat the above. Swing dance. Mid-deck of the Space Shuttle in Crew Compartment Trainer; STS-99 crew. Paper airplane sync.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:23:00

VK 00078: SCDB-089: Simulations #2

Simulation: upside down over shoulder Commander Rick Husband and Pilot William McCool (looks like entry and landing simulation); following checklists.

Film Type: Color; Sound; MiniDV (SD) Run Time: 1:02:34

VK 00079: SCDB-090: Crew Photo #1, August 14, 2001

Posing for crew picture; useful flash pops, adjusting hair exposure on video opens up - hot light look at Polaroid proper exposure reinstated. Re-lighting most sound slightly off mike. Laurel Clark smoothing Kalpana Chawla's hair nice moment. Shows another Polaroid. Whole photo crew making adjustments good shot.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:35:00

VK 00080: SCDB-091: Gray Hammock Race, April 7, 2001

(4/7/2001) Dave Brown interviews an auto racing team. American Sprint Car Series dirt track racing (race #81) using Hoosier tires.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:33:15

VK 00081: SCDB-092: Airlock Preparation

Airlock prep / post class; Building 9; Crew Compartment Trainer training, with music - "Talking Heads"? Laurel Clark and Michael Anderson in mid-deck of the Space Shuttle going through procedures in airlock. Extravehicular maneuvering unit c/o. Remove lower half Extravehicular Maneuvering Unit. Michael Anderson and Dave Brown inside Extravehicular maneuvering units - zoom in on faces. Close-up flag patch on Extravehicular Maneuvering Unit have seen before. "Ilan Ramon Training"; great footage of Ilan Ramon and Michael Anderson bailing out. Pole deploy Ilan Ramon in Launch Entry Suit down pole somersault into tank (Neutral Buoyancy Lab?). Rona ruffles hair.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:07:04

VK 00082: SCDB-093: Israeli Visit, (bulk March 17, 2001; March 21, 2001)

March 17, 2001 (3/17/2001) Robot Olympics. March 21, 2001 (3/21/2001) Commander Rick Husband's Family in flight deck Simulator; William McCool explains controls.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:29:58

VK 00083: SCDB-094: Lost in Amsterdam

Narrated by William McCool. Hotel room tour, "orange"; beach view. Dave Brown, Kalpana Chawla, Rick in dining room / lobby. Exterior beach, windy and cold. Mike Anderson driving through Noordwijk, Netherlands, windmill, canals with houses and boats. Lost in Amsterdam. Still lost. "6 days later" - still looking funny. Really lost. Find parking spot. Heron walking in line. No picture - sound only no picture. Rijksmuseum. Paintings in interior; Van Gogh, Rembrandt, Jeremiah low voice over - hard to hear, Rembrandt self portrait, various other works, chess set (elaborately carved). Driving again. At city centre - bikes. Lens projection (possibly) Johnson Space Center, Houston training demo FOV how lenses function; discussing moon exposure; composition with telephotos.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:34:15

VK 00084: SCDB-095: AVO and Ilan Ramon

Dave Brown and Laurel Clark rehearse Public Affairs Office interview with Dave Brown William in Crew Compartment Trainer talk about growing up, how they met, aspirations, getting accepted into Astronaut Corps. In Middeck of the Space Shuttle in front of lockers; rehearsing kids' broadcast. Flight deck interior. Aft flight deck - Michael Anderson and Ilan Ramon, rehearse on-orbit Public Affairs Office interview - hometowns, schools (joking around), food fun moments with Ilan Ramon and Michael Anderson. Sound off no sound. Corpus Christie Aquarium; Lexington Aircraft Carrier; sting ray tank; Columbus ships; Astronaut family (who?); on board Lexington - Vought A-7 Corsair II; wildlife refuge; who is narrating?

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:12:00

VK 00085: SCDB-096: Post Insertion Simulation, April 25, 2002

April 25, 2002 (4/25/2002) Ilan Ramon and Michael Anderson in flight suits inside trainer; footage blurry.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:01:26

VK 00086: SCDB-097: Airport and Training

Kids in driveway (launching Alka Seltzer rockets), various trails with Alka Seltzer rapid light loss. Crew at airport; Laurel Clark takes pictures; Michael Anderson's Palm Pilot; a nice moment or two. Class in flight propulsion - crew in blue flight suits location: Kennedy Space Center or NASA-Lewis in clean room - testing flight monitors; Kalpana Chawla and Ilan Ramon watch monitor "softball". Candle continued good views Kalpana Chawla and Ilan Ramon. (Flame propagation) on monitor. Classroom and lunch. Kalpana Chawla in clean room. Exterior (winter) arrival. Michael Anderson in clean room, prep. Exterior Lewis facility; entering classroom. Flames; Dave Brown lighting; Michael Anderson testing. Exterior facility - Dave Brown packs car; convoy moves out airport exterior and interior.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:37:04

VK 00087: SCDB-098: Bailout Building 9, September 19, 2001

(9/19/2001) Simulating launch abort very sensitive and dramatic whole crew. Building. 9 - Crew Compartment Trainer training discussing abort procedures and criteria same squished lens; some sync drag how to fire escape pole (practice deploy) crew in Launch Entry Suits; Kalpana Chawla dons suit. Interior flight deck in suits nice footage "hey Dave" with Rick Husband commenting. Rehearse Mayday - training - Commander Rick Husband run throughs. (silent - breathing only) as crew performs emergency procedures. They egress flight deck: 1) Kalpana Chawla 2) Dave Brown 3) William McCool 4) Commander Rick Husband. Crew sitting in line of chairs in Launch Entry Suits nice shot. Ilan Ramon, Dave Brown and Mike Husband suited up on lower deck practicing abort for landing practice pole egress. Kalpana Chawla, Laurel Clark, William McCool and Rick Husband bailing out (practicing abort for landing). Rick Husband getting backpack off; getting out of suits.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:33:00

VK 00088: SCDB-099: SMS Test, October 5, 2001

October 5, 2001 (10/5/2001). Shuttle Mission Simulation (SMS); William McCool and Commander Rick Husband on flight deck (no sound); all slightly soft.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:41:40

VK 00089: SCDB-100: ASC #3 Run #5, January 3, 2003

January 3, 2003 (1/3/2003). Upside down - William McCool and Commander Rick Husband on flight deck. Simulation with sound.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:44:44

VK 00090: SCDB-101: ASC #3 Run #5, January 3, 2003

January 3, 2003 (1/3/2003). Dave Brown behind William McCool - same as SCBC-99 (simulation; William McCool and Commander Rick Husband on flight deck (no sound) all slightly soft); soft focus; no audio.

Film Type: Color; Silent; MiniDV (SD) Run Time: 0:25:06

VK 00091: SCDB-102: ASC #3 Run #3.2, January 3, 2003

January 3, 2003 (1/3/2003). Upside down - William McCool and Commander Rick Husband on flight deck. Simulation with sound.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:21:30

VK 00092: SCDB-103: ASC #3 Run #3.2, January 3, 2003

January 3, 2003 (1/3/2003). Dave Brown behind William McCool - same as SCBC-99 (simulation; William McCool and Commander Rick Husband on flight deck (no sound) all slightly soft); soft focus; no audio.

Film Type: Color; Silent; DVCAM (SD) Run Time: 0:24:20

VK 00093: SCDB-104: ASC #3 Run #4, January 3, 2003

January 3, 2003 (1/3/2003). Dave Brown behind William McCool - same as SCBC-99 (simulation; William McCool and Commander Rick Husband on flight deck (no sound) all slightly soft); soft focus; no audio.

Film Type: Color; Silent; DVCAM (SD) Run Time: 0:31:50

VK 00094: SCDB-105: ASC #3 Run #3.1, January 3, 2003

January 3, 2003 (1/3/2003). Upside down - William McCool and Commander Rick Husband on flight deck. Simulation with sound.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:42:05

VK 00095: SCDB-106: ASC #3 Run #3.1, (bulk January 3, 2003)

January 3, 2003 (1/3/2003). Dave Brown behind William McCool - same as SCBC-99 (Simulation; William McCool and Commander Rick Husband on flight deck (no sound) all slightly soft). Soft focus; no audio.

Film Type: Color; Silent; DVCAM (SD) Run Time: 0:40:49

VK 00096: SCDB-107: ASC #3 Run #1, 2 and 3, (bulk November 21, 2002; January 3, 2003)

(11/21/2002) Backroom Simulation support (Laurel Clark in background). Mascots. January 3, 2003 (1/3/2003). (Silent) flight deck simulator. Camera move past Commander Rick Husband; trainer in Pilot William McCool seat.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:41:42

VK 00097: SCDB-108: ASC #3 Run #4, January 3, 2003

(1/3/2003) More backroom simulation support; slightly overexposed.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:34:25

VK 00098: SCDB-109: V10 Run #1, January 3, 2003

January 3, 2003 (1/3/2003). More backroom simulation support; slightly overexposed.

Film Type: Color; Silent; DVCAM (SD) Run Time: 0:29:22

VK 00099: SCDB-110: OVHD Run #1

Upside down overhead (OVHD) - William McCool and Commander Rick Husband on flight deck. Simulation with sound.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:20:46

VK 00100: SCDB-111: Jerry Faeth, February 7, 2002

(2/7/2002) Dave Brown interviews Jerry Faeth on his combustion experiment; optical and reactive properties of soot; squishy lens; slipping sync; soft focus. MIR fire.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:18:30

VK 00101: SCDB-112: National Outdoor Leadership School #1, August 20 - 24, 2001

8/20/2001 to 8/24/2001. National Outdoor Leadership School. Crew in classroom briefing - history of working with NASA. Location briefing - altitude. Outfitting. How to pack the backpack for ??CG. Kalpana Chawla packing. Exterior starting off. Pitching tent. Kalpana Chawla and Michael Anderson starting stove; hydrating food; various foodstuffs. Food bags, fun moments with food. Trekking; awesome shot of crew hiking. Rest stop - discover location. Kalpana Chawla cooking omelet or pizza. Laurel Clark and guide with map. Group meal. Kalpana Chawla eating pizza nice shot. Dave Brown and William McCool eating. William McCool talking and Michael Anderson packing. Plotting route - led by Commander Rick Husband. High altitude views. Crew shot on ridge. Commander Rick Husband and Laurel Clark planning route. New location. Rick and Laurel Clark describe the experience, comment on performance.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:40:00

VK 00102: SCDB-113: National Outdoor Leadership School #2, August 24, 2001

8/24/2001. National Outdoor Leadership School #2. Commander Rick Husband spoon, Michael Anderson sitting. Group with fishing rod. Model for goal achievement (using ribbon and stone). Instructor up tree ties ribbon. Dave Brown with sky chart. Instructor with ribbons on trees, one climbs. Crew encamped. Shot of destination peak, "where we're going tomorrow"; nice moment. More instructor: how to do a bear hang (to hang food while away so bears won't get it), narrated by Laurel Clark. Michael Anderson addresses group. Flashlight illuminated charts - planning routes. Near summit nice hiking shots. Ilan Ramon sitting at rest stop; Commander Rick Husband and Pilot William McCool discuss summit approaches; few good moments. View down toward lake - crew climbing nice shot. Michael Anderson: we're almost there, another 2 hrs. Great moment with Michael Anderson. Mention of birds - American (illegible)?? "We made it!!" (at summit), cheers - whole group, singing ??; Kalpana Chawla; Dave Brown at 13,000 feet; whole group at 13,000 feet great shots. Commander Rick Husband: "I feel more now than when I first got here". Beautiful shots of Dave Brown and

Kalpana Chawla. Laurel Clark says "Next stop - over the earth's atmosphere". Great audio ... must go in show. Auto pictures. NR ice field great for scale! Crew descending.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:40:00

VK 00103: SCDB-114: National Outdoor Leadership School #3, August 25 - 29, 2001

National Outdoor Leadership School #3. Early descent - crew meal. Michael Anderson tying his shoelaces; nice moment. Boulder field (crew hiking down). William McCool by beautiful lake. Dave Brown jumping in lake. Swimming (Rick Husband, Laurel Clark and William McCool jumping in); nice moment. Commander Rick Husband dives with Laurel Clark. View up river valley; several jokes - Laurel Clark and Dave Brown ("I think you're a jerk") joking. Reverse angle on Dave Brown. Lake and rock formation; animal spoor; rocky meadow. Instruction of leadership skills. Cooking. "Kumbaya" (sung at night). Pan across another lake. Michael Anderson - plots route on map. McCool eating snack. Beautiful vista across marsh to mountains beautiful vista. Kalpana Chawla, William McCool, Rick Husband and Laurel Clark looking at map. Food cooking; jokes about Commander Rick Husband stealing food; jokes about Michael Anderson - naked long walks. Michael Anderson and Ilan Ramon (shrimp in water); nice moment. Fishing with fly line. Instructor on river crossing.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:40:00

VK 00104: SCDB-115: National Outdoor Leadership School #4, August 29 - 30, 2001

National Outdoor Leadership School #4. River crossing, human chain. Joke about Dave Brown and camera; pitched tent; crew together (except Dave Brown). Setting sun; sleeping bags. Close-up brownies and instructor; making brownies, looks like bear scat. Rick Husband tries the brownies. Close-up of the brownies. "Looks like bear scat"; Laurel Clark tries the brownies. Kalpana Chawla tries the brownies; William McCool tries the brownies; Ilan Ramon and Michael Anderson try the brownies - nice moment with Kalpana Chawla and William McCool. Introduction; Dave Brown and Laurel Clark; great rehearsed moment. Group chant, group salute and return to parking lot (hiking back).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:22:00

VK 00105: SCDB-116: SCA Run #1, January 3, 2003
(1/3/2003) First simulation run. Simulation support - backroom.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:55:03

VK 00106: SCDB-117: SCA Run #2, January 3, 2003
(1/3/2003) Second simulation run. Simulation support - backroom.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:52:22

VK 00107: SCDB-118: SCA Run #3, January 3, 2003
(1/3/2003) Third simulation run. Simulation support - backroom.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:58:54

VK 00108: SCDB-119: Reception and Messages, January 3, 2003

January 3, 2003. Prelaunch: address to reception the Bron and Clark arranged for the astronaut families, Kennedy Space Center, day before launch; very interesting. Ilan Ramon in simulator on flight deck. Message in Hebrew, then English occasional synchronization slip; thanks family; "Special corner in my heart which will go with me into space." Dave Brown talks to the camera with his message, takes 1, 2; describes watching STS-5. Laurel Clark - message to camera (talks about Dave Brown and things they have in common; thanks family), takes 1, 2.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:14:52

VK 00109: SCDB-120: Simulation Debrief #1 Commander, April 22, 2002

(4/22/2002) Simulation debrief; integrated simulation in flight deck; FBS; camera favors Commander Rick Husband; Kalpana Chawla and Dave Brown in background; CAPCOM is Leroy Chiao. "No bad habits" good simulation illustration; may have other relevant dialogue. Ratty communications.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:13:00

VK 00110: SCDB-121: Simulation Debrief #1 Pilot, April 22, 2002

(4/22/2002) Ascent simulation. Sideways 90 degrees left rotation; camera favors Pilot, William McCool. No audio.

Film Type: Color; Silent; DVCAM (SD) Run Time: 0:42:04

VK 00111: SCDB-122: Simulation Debrief #1 Interior, April 22, 2002

(4/22/2002) Integrated ascent simulation, same angle as SCDB-120; ratty communications. Visors on. Commander Rick Husband laughs good; Commander Rick Husband laughs. "30 seconds." Roll program. "No go for engage." Sirens (after fan change). Shut down APU 3. Commander Rick Husband summarized anomalies. Press to ATO (Abort To Orbit). Press to MECO (Main Engine Cut Off). Engine shutdown. Nominal MECO. Kalpana Chawla comments (single IMU [Inertial Measurement Unit]); working steps of malfunctions. Video tape is jittery. Alarms sounding; this is best of simulation tapes so far.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:25:20

VK 00112: SCDB-123: Simulation Debrief #2 Pilot, April 22, 2002

(4/22/2002) Ascent simulation. Sideways 90 degrees left rotation; camera favors Pilot, William McCool. No audio.

Film Type: Color; Silent; DVCAM (SD) Run Time: 0:42:04

VK 00113: SCDB-124: Simulation Debrief #2 Pilot, April 22, 2002

(4/22/2002) Upside down, over shoulder of Commander Rick Husband; Displays, checklists visible.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:47:06

VK 00114: SCDB-125: Simulation Debrief #2 Commander, April 22, 2002 (4/22/2002) Ascent simulation. Sideways 90 degrees left rotation; camera favors Pilot, William McCool. Audio - high pitched hum on communication channel. Abort TAL - Ben Guerir, Morocco; 09:05.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:41:42

VK 00115: SCDB-126: Ascent #3 Run #4, January 3, 2003
January 3, 2003. Ascent simulation #3, run #4, upside down favor William McCool.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:29:34

VK 00116: SCDB-127: Entry Simulation Run #4 Pilot
Simulated entry. Simulation B100 Run 4 - slightly soft? Favors William McCool; huge hum on communications channel, poor audio overall.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:18:54

VK 00117: SCDB-129: Message Rehearsal Day 7

For Day 7, Rick Husband reads to camera - devotional from Bible (Matthew 14: 15-21, loaves and fishes), then tells a parallel story about hospital helping others. Day 8 devotional, Job 16: 1-7. Day 9 devotional, "Dominoes", Ephesians 4: 29-31. Day 10. "The Braggers", Jeremiah 9: 23-24. Day 11, John 14: 1-6. "The Right Choice", Joshua 24: 14-15, 23-24 sweet intro. Donning Launch and Entry Suits; Laurel Clark helping Michael Anderson; sideways viewing soft focus.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:42:14

VK 00118: SCDB-131: Launch Day, January 16, 2003

1/16/2003. Launch Day - walking down building hallway in orange suits, getting into elevator, walking out to press area and getting into van that takes them to launch pad. Interior van joking, laughing and waving. Point of view looking out escort vehicle window in front of van on the way to launch pad. Point of view out front window of escort vehicle looking at Orbiter Processing Facility. Driving by Orbiter Processing Facility. Inside van with astronauts. Driving to pad. Driving to pad; point of view out window with Columbia on launch pad. Driving through gates to launch pad. Interior van as astronauts walk out. Astronauts walking to launch pad. Smoke coming out from under launch pad w/pan up to orbiter on pad. Astronauts walking up to orbiter. Astronauts getting into elevator to get to top of launch pad. Astronauts walking out on launch pad. Columbia on launch pad w/sun shining behind. Pan up from bottom of shuttle on launch pad. Shot of smoke coming out from top of tank. Columbia on launch pad. Kalpana Chawla looking at shuttle awesome shot. Pan from bottom to top of shuttle. Laurel Clark and Kalpana Chawla on launch pad nice moment. Walking with Ilan Ramon. Ilan Ramon with Rick Husband in background. William McCool walking and getting dressed. Pan up from bottom to top of shuttle.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:35:00

VK 00119: SCDB-132: Key Leader Engagement Safety Day Footage

"Key Leader Engagement' Safety Day Footage". Rick Husband reading Day 13 devotional, "Not Good Enough", Psalm 103, 8-14. Day 14, "The Sodium Chloride of the Earth", Matthew 5: 13-16. Day 15 devotional, "Chameleon Eyes", James 1. Day 16, pray for good weather in Florida, "Watch Your Enemy", Peter 15: 1-9. Homecoming message, for Feb 1; "The Fence", Exodus 20: 1-17.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:27:03

VK 00120: SCDB-133: Launch Day, (bulk October 25, 2002; January 16, 2003)

October 25, 2002 (10/25/2002). Aft flight deck, switches. Maybe real orbiter (not mockup). Rick Husband, Michael Anderson, Kalpana Chawla at orbiter hatch, to SI in cleanroom garb with drawings; nice moment with Rick Husband talking technical. Go over sleep station, recap or earlier crew recommendations re added velcro, pouches, snaps. January 16, 2003 (1/16/2003) Silent crowd at Kennedy Space Center in VIP visitor stands (T-3 minute countdown on P.A.) good audio from announcer and crowd clapping. Pan to other side. T-1 minute, launch, SRB (solid rocket booster) separation.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:29:50

VK 00121: SCDB-135: Simulators

Looks like view in Space Environment Simulator Dome or other simulator (International Space Station to Space Station Remote Manipulator System). No Audio. Space Station Extravehicular Activity (spacewalk) views (simulated).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:30:00

VK 00122: SCDB-136: Launch Day Suit Up, January 16, 2003

January 16, 2003 (1/16/2003) Launch day; launch and entry; suiting up and playing cards.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:23:28

VK 00123: SCDB-144: Spacehab, March 21, 2002

(3/21/2002) Synchronized crew - Laurel Clark, Michael Anderson, Rick Husband - going over experimental procedures in Space lab (wear clean room suits) with instructor; good Michael Anderson footage. Rick Husband and William McCool measuring and talking in Spacehab. Crew in red shirts with instructors. Laurel Clark does blood draw on instructor; Ilan Ramon does the same. In PHAB shirts wearing sunglasses.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:30:00

VK 00124: SCDB-145: T-38s to Kennedy Space Center

Northrop T-38 Talon exteriors, parked on tarmac, no audio. Dave Brown wave; instrument panel; rollout; air to air; over Cape Canaveral; landing at Kennedy Space Center. Dave Brown taxis out behind other planes nice flying shots (day) over Kennedy Space Center landing strip, Orbiter Processing Facility and launch pads. Kennedy Space Center integration audio. Inside Spacelab (in flight suits). Laurel Clark, Dave Brown and Michael Anderson with procedures. Kalpana

Chawla and Ilan Ramon with procedures. Michael Anderson and camera and William McCool. Kalpana Chawla and Ilan Ramon and glovebox.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:35:00

VK 00125: SCDB-146: Arms BOC, VITT and Brief Crew Meeting, March 28-29, 2002; April 9, 2002

"Arms BOC / VITT Brief crew Meeting." (3/28/2002) Ilan Ramon pedaling, sensors on more interesting than some other experiments. "Just make sure my wife doesn't see" (3/29/2002) Classroom VITT Briefing sync slip. VITT people, not crew. (4/9/2002) Orbiter flow, payloads etc.; pan to Rick Husband and William McCool. Discussion on launch schedule and payload bay door closure. Crew meeting in office. Dave Brown talks about DVD and his filming.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:20:40

VK 00126: SCDB-147: Timeline Training, April 6, June 29, July 1, 2001

6/29/2001, 7/1/2001 and 4/6/2001. Experiment training, interior of Spacehab trainer; Ilan Ramon and softball. 8:00 - Helicopter on ground (turning in circles) (residential area, Dave Brown's neighborhood); takes off. Ilan Ramon working with combustion module. Helicopter takeoff. Extravehicular Activity (spacewalk) prep training. Tulip stills from Holland.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:21:49

VK 00127: SCDB-148: Freestar Training, February 26 - 27, 2002

2/26/2002 and 2/27/2002. Freestar training audio (pic soft). Crew in clean room with Principal Investigator, wearing masks. Classroom, possibly whole crew synchronized. Lunar eclipse photography working with PGSCs (Payload General Support Computers) and procedures.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:28:34

VK 00128: SCDB-149: Space Station Processing Facility, (bulk October 31, November 5, November 7, 2001)

October 31, 2001; November 5 and 7, 2001 (10/31/2001, 11/5/2001 and 11/7/2001) SSPF (Space Station Processing Facility) at Kennedy Space Center; more training on PGSC (Payload General Support Computers) and procedures. Hardware, door open; crew operating PGSCs and software. Door closes. Michael Anderson turns dials on experiment rack, possibly combustion experiment. Interview with trainer: what could go wrong? Follow procedures, it's easy; hard: when you can't account for what's gone wrong.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:39:04

VK 00129: SCDB-151: Laminar Soot Processes, February 7, 2002

(2/7/2002) LSP (Laminar Soot Processes) at Glenn (NASA center); no audio (pic soft). Kalpana Chawla and trainers at Kennedy Space Center working on PGSC (Payload General Support Computers) and checklists. View of ignition and flame (soot experiment). Bigger views ignition and flame.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:25:00

VK 00130: SCDB-152: Combustion Module-2 Interviews

Kennedy Space Center-SSPF (Space Station Processing Facility) audio. Close up William McCool's hands going through steps with cylinder; very noisy back ground (good Spacehab footage if we need it). Rick Husband checking cabling, Ilan Ramon present also. Interview with CM2 (Combustion Module-2) / MIST scientist (Dr. Angel Abbud-Madrid) from Mexico. Closer view interview (SOFT), describes educational path leading up to his position now. SOFT, slipping sync; nice content about pursuing goals and succeeding - audio only. Kalpana Chawla in biobox.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:17:00

VK 00131: SCDB-153: John Karemacher Interview, January 23, 2001

January 23, 2001 (1/23/2001). Interview with John Karemacher, Associate Professor of Physiology, University of Amsterdam, Academic Medical Center, during BDC. Laurel Clark lying - wired up - great sound effect - on tilt table great ultra-sound effect; interesting visual; what experiment? Interview with Principal Investigator, John Karemacher, Associate Professor of Physiology. About blood pressure control, talks of human research, good applications. Explains about tilt table. Slightly soft.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:39:27

VK 00132: SCDB-154: Joint Integrated Simulation, December 10 - 13, 2002

12/10/2002 to 12/13/2002. William McCool in Fixed Base Simulator during 48 hr JIS (Joint Integrated Simulation). Awesome interview. 2 years 2 months since assignment (normally 8 months). TCDT (Terminal Countdown Demonstration Test): interview Ilan Ramon, Last JIS, 37 days before launch (L-37), he's starting to get excited. Awesome interview. Talk of situation in Israel. Laurel Clark describes checklisting and status check; fridge freezer malfunction. William McCool on Flight Deck (FD), William McCool describes experiment; practices downlink message. Ilan Ramon and William McCool put on Launch Entry Suits interesting; practicing for February 1st de-orbit. De-orbit burn simulation, February 2nd. Ilan Ramon takes pictures of William McCool in Santa hat. 33:00.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:31:00

VK 00133: SCDB-204*: Terminal Countdown , December 20, 2002

December 20, 2002 (12/20/2002). STS-107 TCDT (Terminal Countdown Demonstration Test) Walk out.

Film Type: Color; Sound; MiniDV (SD) Run Time: 1:01:23

VK 00134: SCDB-205*: Skit Rehearsal

Skit rehearsal with astronauts or astronaut candidates.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:21:09

VK 00135: SCDB-206*: STS-107 Post Insertion Mid-Deck, December 20, 2002

December 20, 2002 (12/20/2002) STS-107 Post insertion on the mid-deck.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:40:14

VK 00136: SCDB-207*: STS-107 Post Insertion, December 20, 2002
December 20, 2002 (12/20/2002) STS-107 Post insertion in the cockpit. Note the technician helping the crew.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:30:14

VK 00137: SCDB-208*: M113 Training, December 18, 2002
December 18, 2002 (12/18/2002). STS-107 TCDT (Terminal Countdown Demonstration Test) training. Crew rescue vehicle (M113) training. Several of the astronauts get to drive the M113. The sound on this tape is intermittent.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:12:56

VK 00138: SCDB-210*: FIRST Robotics Competition 2003, April 4, 2003; April 13, 2003
April 4, 2003 (4/3/2003) FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition 2003, dedicated to the memory of David Brown. April 13, 2003 (4/13/2003) a light plane (Cessna 182 Skylane N9958B) ride to Houston International Speedway and David Brown's house(?).

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:55:51

VK 00139: SCDB-211*: Dave Brown Interview, July 2002
Dave Brown Interview recorded as part of the Bester Cram seminar in Rockport, Maine (July 2002).

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:26:40

VK 00140: SCDB-212*: Property Inspection, April 14, 2003
Property inspection April 14, 2003.

Film Type: Color; Sound; MiniDV (SD) Run Time: 0:21:09

VD 02470: SCDB-155: Sprites With MEIDEX
Jet aircraft video, lightning, sprites, MEIDEX (Mediterranean Israeli Dust Experiment).

Film Type: Color; Sound; VHS Run Time: -

VL 00001: Interior Ascent Simulation #3 Runs 1 and 2
Interior Ascent Simulation #3 Runs 1 and 2.

Film Type: Color; Sound; DVCAM (SD) Run Time: -

VL 00002: Int Asc [Interior Ascent] #3 Runs 3, 4 and 5
Int Asc #3 Runs 3, 4 and 5.

Film Type: Color; Sound; DVCAM (SD) Run Time: -

VL 00003: SCDBA-137: STS-107 Interactive CD (Tape 1 of 3), August 28, 2001 (8/28/2001) Title: STS-107 Interactive CD, Project MMP-115, Tape 01. Interviews #MMP-115. Karen Weeland, softball project scientist (periodic sync issues). Closer view; sync problems continue. Suleyman Gokoglu, Project Scientist MIST. Angel Abbud-Madrid, MIST experiment -good, more articulate. Gerard M. Faeth, Principal Investigator, LSP (Laminar Soot Processes) experiment, University of Michigan. Formation and Oxidation of Soot. David Urban, Principal Scientist, LSP Experiment.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:53:39

VL 00004: SCDBA-138: STS-107 Interactive CD (Tape 3 of 3), August 28, 2001 (8/28/2001) Title: STS-107 Interactive CD, Project MMP-115, Tape 03. NASA's Glen Research Center. Scientists and experiments and crew; Laurel Clark inspecting, loud background audio, good as select pictures only. Dave Brown shooting with video camera, whole crew present. Nice close up Michael Anderson. William McCool. Interview Laurel Clark, same setting as scientist interviews, tape SCDBA-137 sync problems. Laurel Clark about terrestrial benefits. Laurel Clark; my first flight; excited medically (potential discovery). Rick Husband interview; describe mission, benefits good information on purpose of mission. Crew with experiments and scientists SOFBALL. Ilan Ramon and Kalpana Chawla, nice close-ups. Dave Brown shooting video in group with Dave Urban. Close up experimental patch.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:30:18

VL 00005: SCDBA-139: Interior Simulator Ascent #2
Interior Cockpit Simulator during ascent.

Film Type: Color; Sound; DVCAM (SD) Run Time: -

VL 00006: SCDBA-142: STS-107 Interactive CD (Tape 2 of 3), August 28, 2001 (8/28/2001) Title: STS-107 Interactive CD, Project MMP-115, Tape 02, B Roll interviews. Good close ups of every crew member in this footage (good classroom sequence). Good close ups Laurel Clark, Michael Anderson and crew with LSP experiment. Good close ups Dave Brown, William McCool, Ilan Ramon, Laurel Clark, Kalpana Chawla. SOFBALL experiment; good shots of astronauts in white suits in clean room.

Film Type: Color; Sound; DVCAM (SD) Run Time: 1:05:12

VL 00007: SCDBA-143: STS-107 Interactive CD (Tape 1 of 3), February 7, 2002 (2/7/2002) Title: STS-107 Interactive CD, Project MMP-115 Tape 06, B Roll interviews same as above, 2nd visit. Close ups Kalpana Chawla and flame propagation. Dave Brown going through procedures.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:17:05

VM 00025: SCDBA-140, (bulk October 22 - 26; October 31, 2001)

Zero-G research experiment for week of October 22 to 26 2001. Boeing KC-135 Zero-G training; focuses more on Rick Husband and William McCool. Recorded 10/31/2001. Producer - NASA PMU-11/61490; RefMst - 713214.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:13:56

VM 00026: SCDBA-141, 2001

Mission Control Center. Possibly during mission STS-108; MET (Mission Elapsed Time) 10:20:58, prior to de-orbit burn. Orbiter with ground crew post-landing. Shaun O'Keefe, NASA Administrator, Dave King awaiting crew, Roy Bridges joins them. Astronauts (and former astronauts) present: Charlie Precourt, Kent Rominger, Scott Altman, Bill Readdy. Good views landing and return of Columbia. Speech by Scott Altman. 25:00.

Film Type: Color; Sound; DVCAM (SD) Run Time: 0:30:00

VM 00001: Weather Briefing - USS Carl Vinson

Cold Weather Briefing - USS Carl Vinson (CVN-70)

Film Type: Color; Sound; 8mm Run Time: -

VM 00002: Weather Briefing - USS Carl Vinson, 1988

Cold Weather Briefing - USS Carl Vinson (CVN-70) and Circus Dallas, 1988.

Film Type: Color; Sound; 8mm Run Time: -

VM 00003: Flying and Flight Deck USS Carl Vinson, 1987

Flying and Flight Deck, USS Carl Vinson (CVN-70). 1987 cruise.

Film Type: Color; Sound; 8mm Run Time: -

VM 00004: Christmas 1987

Christmas 1987.

Film Type: Color; Sound; 8mm Run Time: -

VM 00005: Boinging 1990

Boinging 1990.

Film Type: Color; Sound; 8mm Run Time: -

DA 00023: STS-107 Crew Movie, (bulk 2001; 2002)

Compilation of videos created by Dave Brown for the STS-107 (Columbia) mission. The videos on this disk include: ESTEC PR Video (5:16); ESTEC PR PowerPoint (26 slides); NOLS (4:02); Airlock Prep (4:19); Cyclorama (3:55); ESTEC Crew Training (4:05); Flower Power (8:59). ESTEC (European Space Research and Technology Center) PR Video is musical montage of STS-107 crew training. ESTEC PR PowerPoint is a PowerPoint presentation illustrating many of the experiments that were planned for STS-107. NOLS is about the National Outdoor Leadership School and the adventures of the STS-107 crew. Airlock Prep about training for putting on a space suit in the Space Shuttle

airlock. Cyclorama is about a bicycle trip taken by the crew of STS-107 in Noordwijk, Holland, May 7, 2001. ESTEC Crew Training May 7 to 11, 2001 follows the crew of STS-107 at the European Space Research and Technology Center. Flower Power, Keukenhof, May 6, 2001 presents a series of slides of beautiful flowers.

Film Type: Color; Sound; DVD Run Time: 0:30:36

DA 00024: Astronaut Diaries, 2005

Dave Brown on February 1, 2003 was a first-time astronaut aboard the space shuttle Columbia (STS-107). Dave was also an aspiring filmmaker who shot hundreds of hours of the training process leading up to what would become Columbia's final mission. He captured the weeks and months of training that began well before the Columbia shuttle moved to the launch pad. In scenes usually veiled from the public, ASTRONAUT DIARIES reveals the bonds that form among these seven disparate individuals who very soon would become cohesive members of a team of historic explorers. Interviews and comments from the crew of STS-107.

Marabella Productions.

Film Type: Color; Sound; DVD Run Time: 0:51:30

VD 02484: MCC Memorial Plaque Hanging Ceremony, April 12, 2004

Recorded 4/12/2004. Hanging a plaque to commemorate to missions Apollo-1 (AS-204), Challenger (STS-51L) and Columbia (STS-107). Introduced by Milt Heflin, Chief of the Flight Director Office. Speakers included Apollo Flight Director Gene Kranz, Lead Flight Director, former JSC Deputy Director Randy Stone and Kelly Beck, Lead Flight Director for STS-107 and Astronaut Office Chief Kent Rominger.

Producer - NASA PMU 11/75351 RefMas 718072

Film Type: Color; Sound; VHS Run Time: 0:32:34

VD 02489: SCDBA 157 Documentary Camera, 2001

Edited excerpts from the Tim Burton film "Mars Attacks" and a reedited sequence from the National Outdoor Leadership School (NOLS) training camp. This with "Kumbaya" sung in the background. Also the camp stove brownies.

Film Type: Color; Sound; VHS Run Time: 0:08:40

VD 02496: SCDBA 156 Documentary Camera, July 7 - 13, 2002

The International Film and Television Workshops for Documentary Camera 7/7/2002 to 7/13/2002 (Bestor Cram). Segments without sound: "Roadside" chyron; shots of vehicles driving on road; strange close ups of trees, plants being cut, leaves; close up of an old woman, exterior of a house, flowers in the sun. Segments with sound: "Motel" chyron; clock marking time; old woman talking about death; "Grand Old Girls" chyron; old people in nursing home. End chyrons: "Special Thanks to My Family"; Bester Cram; Juliet Erickson. Boating; flag "Will Row For Beer"; boat maintenance, comments from the people maintaining the boat, rowing the boat, interviews with people about the boat. Chyron By Liz Canner and Chris Bladwin. Sign: "Welcome to Rockland, Maine".

Waterfront scenes. Chyron "Lobster Maine-ia"; interviews about fanciful lobster sculptures. Chyron "Tow Ears and One Mouth"; shots of an auto dealership, Fuller Chevrolet. Chyron "By Dave Brown and Elena de Brujine" and "Thanks to Ed and the Guys at Fuller Chevrolet". Chyron "Life is a Boat"; scenes and interview on a sail boat. Chyron "a film by Jennifer Keegan and Paul Mathieu".

Film Type: Color; Sound; VHS Run Time: 0:25:47

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