



Smithsonian  
*National Air and Space Museum*

Jacques Tiziou Space Collection

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2019

National Air and Space Museum Archives  
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<http://airandspace.si.edu/research/resources/archives/>

# Table of Contents

|   |    |
|---|----|
| Collection Overview .....                   | 1  |
| Administrative Information .....            | 1  |
| Biographical / Historical.....              | 2  |
| Scope and Contents.....                     | 2  |
| Arrangement.....                            | 2  |
| Names and Subjects .....                    | 2  |
| Container Listing .....                     | 4  |
| Series : Files, (bulk 1960-2011).....       | 4  |
| Series : Photography, (bulk 1960-2011)..... | 23 |

## Collection Overview

|                    |   |
|--------------------|---|
| <b>Repository:</b> | National Air and Space Museum Archives  |
| <b>Title:</b>      | Jacques Tiziou Space Collection   |
| <b>Identifier:</b> | NASM.2018.0078  |
| <b>Date:</b>       | (bulk 1960s through 2010)   |
| <b>Extent:</b>     | 146 Cubic feet (204 boxes)  |
| <b>Language:</b>   | Multiple languages  |
|                    | This collection is in English, French, Russian, Italian, Dutch, German and Portuguese.  |
| <b>Summary:</b>    | Jacques Tiziou (1939-2017) was a professional journalist and photographer, concentrating on aerospace topics. This collection includes materials from Tiziou's archive of historical documents, photography, and ephemera from the space program (both national and international) as well as his own photography and writings. |

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## Administrative Information

### Acquisition Information

Jacques-Jean Tiziou, Gift, 2018, NASM.2018.0078.

### Processing Information

Arranged, described, and encoded by Isaac Middleton, 2019.

### Preferred Citation

Jacques Tiziou Space Collection, Acc. 2018.0078, National Air and Space Museum, Smithsonian Institution.

### Restrictions

No restrictions on access

### Conditions Governing Use

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## Biographical / Historical

Jacques Tiziou (1939-2017) was a professional journalist and photographer, concentrating on aerospace topics. Born in Montélimar, France, he began his career while still a teen as a freelance journalist, and even before graduating in 1962 from the French engineering school Estaca he had worked for various European publications, radio, and television. Between 1965 and 1968, he was the Editor in Chief of the first Encyclopedia of Space and in 1969 he published *A l'assault de la lune* (A Storm of the Moon). Tiziou then moved to Florida, where he closely followed the Apollo and Skylab programs as a correspondent for Aviation Magazine, French TV channels and photo agencies, including Dalmás, Gamma, and Sygma (Corbis). While in Florida, Tiziou became friends with most American astronauts, and entertained them at his home. Tiziou was also interested in space policy affairs, and after the end of the Skylab program, he moved to Washington DC. Jacques Tiziou was awarded the Silver Feathers and Gold of the French Press, was named a correspondent for the Air and Space Academy in 1993, and was elected to the French National Academy of Air and Space in 1993.

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## Scope and Contents

Always an avid collector, Tiziou amassed an impressive archive of both historical documents and collectible memorabilia from the space program (both national and international), including over 800 cubic feet of press files, films, photography (including autographed crew photographs) and various souvenirs, from Sputnik to the US Space Shuttle Program. This archival collection consists of 146 cubic feet of materials drawn from Tiziou's original collection, including documents, ephemera, photographs, slides, and video/film, created or collected by Jacques Tiziou on space flight history. Much of the material was gathered from various sources such as NASA, but the collection also contains Tiziou's own photographs and writings.

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## Arrangement

The material in the "Files" series has been removed from Tiziou's original file boxes and rehoused into new acid-free containers preserving the original order of each box's contents. The collection's boxes have been rearranged into subseries grouped by regional identity (USA, USSR, International, etc.) and then alphabetically by broad subject matter.

The "Photography" series has not yet been processed.

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## Names and Subject Terms

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

Subjects:

- Aeronautics
- Aeronautics, Military
- Apollo Project
- Artificial satellites
- Astronautics
- Ballistic missiles

Cold War -- 1950-1970  
Gemini Project  
Mercury Project  
Project Vanguard  
Rocketry  
Saturn 5 Launch Vehicle  
Soyuz Program (Russia)  
Space Shuttle Program (U.S.)  
Space flight  
Space vehicles  
Supersonic transport planes  
Vostok (manned satellite)

Names:

United States. National Aeronautics and Space Administration

Geographic Names:

Moon -- Exploration

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## Container Listing

### Files, (bulk 1960-2011)

This series contains mixed formats, with multiple types of materials existing within most boxes. Examples include large quantities of newspaper clippings, prints, booklets, pamphlets, handwritten notes, various ephemera. Whilst not as widespread, photographic prints and negatives can also be found throughout the collection.

The materials in this series have been removed from Tiziou's original file boxes and rehoused into new acid-free containers preserving the original order of each box's contents. The boxes have been rearranged into subseries grouped by regional identity (USA, USSR, International, and Mixed Origin) and then alphabetically by broad subject term. Scope and Content Notes in this Series use specific subject terms drawn from the [National Air and Space Museum Technical Reference Files: Space History, NASM.XXXX.1183.O](#).

Topic:                   Aviation  
                              Manned space flight  
                              Rockets (Aeronautics) -- History  
                              Space flight  
                              aeronautics, civil

### USA

- Box 1                   Apollo Program, 1 of 7  
                              Apollo-Soyuz, General; Apollo-Soyuz, NASA Press Conferences
- Box 2                   Apollo Program, 2 of 7  
                              Simulators, Boeing; Apollo Lunar Landing Research Facility (LLRF); Apollo Lunar Landing Research Vehicle (LLRV); Apollo Lunar Excursion Module Simulators (LEMS); Simulators, Lunar Orbit and Landing
- Box 3                   Apollo Program, 3 of 7  
                              Apollo Lunar Roving Vehicle (LRV); Apollo Lunar Roving Vehicle (LRV) Tires; Lunar and Planetary Surface Vehicles, Molab; Apollo Lunar Roving Vehicle (LRV), Boeing; Apollo Lunar Roving Vehicle (LRV) Grumman Releases; Apollo Lunar Roving Vehicle (LRV) Bendix Releases
- Box 4                   Apollo Program, 4 of 7  
                              Apollo 13 Flight, Lunar Module Interiors; Apollo Lunar Module (LEM, LM); Apollo 14 Flight, General; Saturn 5 AS-509; Apollo Lunar Module (LEM, LM), Models; Saturn S-1B Stage; von Braun, Wernher Magnus Maximilian Freiherr, General; Apollo Lunar Excursion Module Simulators (LEMS)
- Box 5                   Apollo Program, 5 of 7  
                              Apollo Lunar Module (LEM, LM); Apollo Lunar Module (LEM, LM), Grumman; TRW Lunar Module Engine; Apollo Command Modules; Saturn IB AS-204

(22 Jan 68) Launch Vehicle; Aero Spacelines Super Guppy; OAO (Orbiting Astronomical Observatory); Space Tugs

Box 6

Apollo Program, 6 of 7

Apollo 14 Flight, General; Saturn 5 AS-509; Apollo Command Modules; Delco Electronics, General; Reentry, Heat Shields; Saturn IB AS-204 (22 Jan 68) Launch Vehicle; Apollo 4 Flight; Saturn 5 AS-501; Apollo 6 Flight; Saturn 5 AS-502; Aerojet Apollo Service Module Engine

Box 7

Apollo Program, 7 of 7

Haise, Fred W., Jr; Seddon, Margaret "Rhea" (Doctor); Astronauts, General; Lockheed YF-104A Starfighter; Apollo 11 Flight, General; Apollo 11 Flight, Crew, Training; Astronauts, Training, Releases; Apollo Lunar Landing Training Vehicle (LLTV); Ames Research Center; Agena Docking Target, Gemini; Langley Research Center (NASA); Simulators, Motion, Centrifuges, Manned; Apollo Lunar Landing Research Facility (LLRF); Lunar Flying Vehicle (Hopper, LFV); Apollo 1 Mission, General; SST, Russia; Tupolev Tu-144 Charger; Astronauts, Mercury

Box 8

Astronauts, 1 of 7

Shepard, Alan B., Jr.; Mitchell, Edgar Dean; Roosa, Stuart Allen (Colonel); Slayton, Donald Kent "Deke"; Stafford, Thomas Patten "Tom"; Schweickart, Russell L. "Rusty"; Schmitt, Harrison Hagan "Jack"; Scott, David Randolph "Dave"; Swigert, John Leonard, Jr; Thornton, William Edgar; Truly, Richard H. (Admiral); Worden, Alfred Merrill "Al"; Young, John Watts

Box 9

Astronauts, 2 of 7

Carpenter, Malcolm Scott; Grissom, Virgil Ivan "Gus"; Borman, Frank Frederick, II; Haise, Fred W., Jr; Cernan, Eugene Andrew "Gene"; Brand, Vance Devoe; Allen, Joseph Percival (Doctor); Bobko, Karol J. (Colonel); Carr, Gerald Paul; Chapman, Philip K. (Doctor); Crippen, Robert L.; Duke, Charles M., Jr; England, Anthony Wayne "Tony"; Engle, Joe H. (Colonel); Armstrong, Neil Alden; Fullerton, Charles G.; Garriott, Owen K.; Gibson, Edward George; Givens, Edward G., Jr (General); Hartsfield, Henry W., Jr; Henize, Karl G. (Doctor); Holmquest, Donald L. (Doctor); Lenoir, William B. (Doctor); Lind, Don L.; Lousma, Jack Robert; Lovell, James Arthur "Jim," Jr.; Aldrin, Edwin "Buzz" Eugene, Jr.; Mattingly, Thomas K. "Ken," II; McCandless, Bruce, II (Captain); Musgrave, Franklin Story (Doctor); Overmyer, Robert Franklyn; Parker, Robert Allen Ridley (Doctor); Peterson, Donald Herod (Colonel); Pogue, William Reid (Colonel); Roosa, Stuart Allen (Colonel)

Box 10

Astronauts, 3 of 7

Glenn, John Herschel, Jr.; Borman, Frank Frederick, II

Box 11

Astronauts, 4 of 7

Seddon, Margaret "Rhea" (Doctor); Motion Pictures, "The Right Stuff" (1983); Food, General; Astronauts, General; North American X-15; Apollo Project, General; Astronauts, General, NASA Releases; Astronauts, Mercury

Box 12

Astronauts, 5 of 7

Glenn, John Herschel, Jr.; Young, John Watts; Swigert, John Leonard, Jr; Slayton, Donald Kent "Deke"; Shepard, Alan B., Jr.; Schmitt, Harrison Hagan "Jack"; Schweickart, Russell L. "Rusty"; Lovell, James Arthur "Jim," Jr.; Irwin, James Benson; Borman, Frank Frederick, II; Eastern Air Lines (Eastern Air Transport) (USA), General and Undated; Bean, Alan Lavern; Motion Pictures, "The Right Stuff" (1983); Evans, Ronald E.; Seddon, Margaret "Rhea" (Doctor); Gibson, Edward George

## Box 13

## Astronauts, 6 of 7

Brand, Vance Devoe; Overmyer, Robert Franklyn; Allen, John J. "Joe" (General); Lenoir, William B. (Doctor); Astronauts, General, NASA Releases; Swigert, John Leonard, Jr; Aldrin, Edwin "Buzz" Eugene, Jr.; Tereshkova, Valentina Vladimirovna; Armstrong, Neil Alden; Lovell, James Arthur "Jim," Jr.; Weitz, Paul Joseph "PJ"; Bean, Alan Lavern; Kerwin, Joseph P. (Doctor); Haise, Fred W., Jr; Glenn, John Herschel, Jr.; Cernan, Eugene Andrew "Gene"; Evans, Ronald E.; Schmitt, Harrison Hagan "Jack"; Collins, Michael; Bassett, Charles A., II (Major); Chaffee, Roger B. (Commander); Freeman, Theodore C. (Captain); Givens, Edward G., Jr (General); Grissom, Virgil Ivan "Gus"; Lawrence, Robert Henry, Jr.; See, Elliot M., Jr; White, Edward Higgins, II; Williams, Clifton Curtis, Jr.

## Box 14

## Astronauts, 7 of 7

Aldrin, Edwin "Buzz" Eugene, Jr.; Astronauts, Mercury; Michel, Frank Curtis; Mitchell, Edgar Dean; McDivitt, James Alton "Jim"; Holm, Jeanne M.; Schirra, Walter Marty, Jr. "Wally"

## Box 15

## Atlas Rockets, 1 of 2

General Dynamics, General; Atlas Launch Vehicles (SLV-3); Atlas Centaur Launch Vehicle; Atlas ICBM (SM-65, HGM-16)

## Box 16

## Atlas Rockets, 2 of 2

General Dynamics, General, Annual Reports; General Dynamics, Publications, General Dynamics News; Honeywell, General; Atlas II Launch Vehicle; Atlas Centaur Launch Vehicle; Eutelsat

## Box 17

## Aviation, 1 of 3

Grumman EA-6A (A2F-1H) Prowler; General Dynamics (Grumman) F-111B; Grumman E-2 (W2F) Hawkeye Family; Grumman V-1 (OF, AO-1) Mohawk Family; Grumman S-2E (S2F-3S) Tracker; Grumman G-159 Gulfstream I; Grumman TC-4C Academe; Grumman G-164 Ag-Cat Family; Piper, General, Aircraft; Piper PA-23 Apache Family; Piper PA-24 Comanche Family; Ryan XV-5A Vertifan; Vought A-7D Corsair II; Vought XC-142A; Vought F-8 (F8U) Crusader Family; Boeing Model 747 Family; Scout Launch Vehicle; Vought ADAM II (Air Deflection and Modulation); Vought A-7A Corsair II; Granville Gee Bee Super Sportster, Serial R-1; McDonnell F-4K Phantom FG.Mk.1 (Royal Navy); Lockheed P2V (P-2) Neptune Family; McDonnell RF-101 Voodoo Family

## Box 18

## Aviation, 2 of 3

Grumman "Denison" (Hydrofoil); Navy, Aerial Demonstration Teams, Blue Angels, General; Grumman E-2 (W2F) Hawkeye Family; Grumman A-6 (A2F)



Intruder/Prowler Family; Grumman UF-2 (HU-16D) Albatross; Grumman JF-2 Duck (USCG); Grumman SF-1; Grumman F6F Hellcat Family; Grumman FF-1; Grumman F4F Wildcat Family; Grumman F7F Tigercat Family; Grumman F8F Bearcat Family; Grumman F9F Panther (Straight-Wing) Family; Grumman F11F-1F Super Tiger; Grumman AF (TB3F) Guardian Family; Grumman TBF Avenger Family; Grumman V-1 (OF, AO-1) Mohawk Family; Grumman S-2 (S2F) Tracker Family; Grumman WF Tracer Family; Grumman G-44 (Widgeon) Family; Grumman G-21 Goose Family; Grumman G-73 Mallard; Grumman G-159 Gulfstream I; Grumman G-1159 Gulfstream II;

## Box 19

## Aviation, 3 of 3

Lockheed F-104A Starfighter; Lockheed C-140A Jetstar; Lockheed KC-130F (GV-1) Hercules; Lockheed L-1011-1 Tristar; Rolls-Royce RB.211 Turbofan; Lockheed C-141A Starlifter; Lockheed XH-51A Aerogyro; Lockheed P-38 Lightning Family; Lockheed P2V (P-2) Neptune Family; Lockheed T-33 (TP-80, TF-80) Shooting Star Family; Lockheed T2V Seastar Family; Lockheed R7V Super Constellation Family; Lockheed SR-71 (Blackbird) Family; Lockheed YF-12A (Blackbird); Lockheed F-104A Starfighter, CF-104 Pattern Aircraft; Cochran, Jacqueline "Jackie" (Bessie Lee Pittman)

## Box 20

## Gemini Program, 1 of 7

Gemini Project, General, NASA Releases; Gemini 12 Flight; Gemini 10 Flight, Recovery; Gemini 10 Flight, Launch; Gemini 11 Flight; Titan II (SM-68B, LGM-25); Gemini GT-1 (Gemini 1); Gemini 7 Flight; Gemini 6 Flight; Gemini 4 Flight

## Box 21

## Gemini Program, 2 of 7

Gemini 11 Flight, Articles; Gemini 12 Flight, Articles; Gemini Project, General; Gemini 4 Flight, NASA Releases; Gemini 3 Flight, Articles; Clothing, Space Suits, Gemini, EVA Life Support System; Gemini 10 Flight, NASA Press Kits

## Box 22

## Gemini Program, 3 of 7

Gemini Project, General; Agena Docking Target, Gemini; Gemini 11 Flight; Gemini 10 Flight, Launch; Gemini 12 Flight; Mercury MR-3 Flight Freedom 7; Shepard, Alan B., Jr.; Borman, Frank Frederick, II; Mercury MA-6 Flight Friendship 7; Gemini 8 Flight; Gemini 9 Flight; Gemini 5 Flight; Gemini GT-1 (Gemini 1)

## Box 23

## Gemini Program, 4 of 7

Gemini GT-1 (Gemini 1); Gemini 2 Flight; Titan II Gemini Launch Vehicle ; Gemini Project, General, Contractors, McDonnell; Virginia Space Flight Center (Wallops Island, VA); Gemini Project, General, Contractors, McDonnell; Titan II (SM-68B, LGM-25); Gemini 3 Flight; Clothing, Space Suits, Gemini, General

## Box 24

## Gemini Program, 5 of 7

Gemini 10 Flight, Articles; Young, John Watts; Collins, Michael; Gemini 9 Flight, Articles; Cernan, Eugene Andrew "Gene"; Stafford, Thomas Patten "Tom"; Gemini 8 Flight, Articles; Armstrong, Neil Alden; Scott, David Randolph "Dave"; Gemini 5 Flight, Articles; Cooper, Leroy Gordon, Jr; Conrad, Charles

- "Pete", Jr.; White, Edward Higgins, II; McDivitt, James Alton "Jim"; Gemini 4 Flight, Articles
- Box 25 Gemini Program, 6 of 7  
Gemini 4 Flight; Gemini 6 Flight; White, Edward Higgins, II; McDivitt, James Alton "Jim"; Gemini 3 Flight; Grissom, Virgil Ivan "Gus"; Young, John Watts; Gemini 7 Flight; Lovell, James Arthur "Jim," Jr.; Borman, Frank Frederick, II; Gemini 5 Flight; Conrad, Charles "Pete", Jr.; Cooper, Leroy Gordon, Jr
- Box 26 Gemini Program, 7 of 7  
Gemini 12 Flight, McDonnell Press Kits; Gemini 10 Flight, NASA Press Kits; Gemini 11 Flight; Gemini 11 Flight, NASA Press Kits; Gemini 12 Flight
- Box 27 Lifting Bodies, 1 of 2  
Martin Marietta X-24A (Lifting Body); Northrop M2-F3 Lifting Body; Northrop HL-10 Lifting Body; NASA M2-F1 Lifting Body; Northrop M2-F2 Lifting Body
- Box 28 Lifting Bodies, 2 of 2  
Lifting Bodies, General; Northrop HL-10 Lifting Body; Kaman, General; Avidyne; Martin Marietta, General
- Box 29 Mercury Program, 1 of 3  
MA-7 ; MA-8 ; General Dynamics, General; Mercury MA-8 Flight Sigma 7; Mercury MA-9 Flight Faith 7
- Box 30 Mercury Program, 2 of 3  
MA-8 ; MA-9 ; Schirra, Walter Marty, Jr. "Wally"; Mercury MA-8 Flight Sigma 7; Mercury MA-9 Flight Faith 7; Mercury MR-3 Flight Freedom 7; Shepard, Alan B., Jr.; Mercury MR-4 Flight Liberty Bell 7; Grissom, Virgil Ivan "Gus"; Astronauts, Mercury ; Mercury Project, General
- Box 31 Mercury Program, 3 of 3  
Mercury MA-6 Flight Friendship 7; Glenn, John Herschel, Jr.; MA-9; Cooper, Leroy Gordon, Jr; Mercury MA-8 Flight Sigma 7; Schirra, Walter Marty, Jr. "Wally"; Mercury MA-7 Flight Aurora 7; Carpenter, Malcolm Scott; Mercury MA-3 Flight (4/25/61); Mercury MA-2 Flight (2/21/61); Mercury MA-10 Freedom 7 II (Not Flown)
- Box 32 Missiles, 1 of 3  
Ground-to-Air Pilotless Aircraft (Gapa); Minuteman Missile (SM-80, LGM-30); Minuteman III Missile (LGM-30G); Minuteman II Missile (LGM-30F); Bomarc Missile (IM-99, CIM-10); Blue Scout Rocket Vehicle; Short-Range Attack Missile (SRAM, AGM-69)
- Box 33 Missiles, 2 of 3  
Pershing Missile (MGM-31, Scram); Mace Missile (CGM-13, TM-76); Titan II (SM-68B, LGM-25); Martin-Marietta; Dragon (M-47, FGM-77, Medium Antitank/Assault Weapon, MAW); Viking Sounding Rocket (RTV-N-12); Titan II (SM-68B, LGM-25); Pegasus Launch Vehicle (ASB-11A); Nike-X Anti-Ballistic

- Missile (ABM); Bold Orion Missile (WS-199B); Lacrosse Missile (SSM-A-12, MGM-18); Mace Missile (CGM-13, TM-76); Matador Missile (T-50, MGM-1, B-61, TM-61); Bullpup Missile (ASM-N-7, GAM-83, AGM-12)
- Box 34                      Missiles, 3 of 3  
Bases and Installations, California, Vandenberg; Air Force (US), Space and Missile Systems Organization (SAMSO); Minuteman Missile (SM-80, LGM-30)
- Box 35                      Satellites, 1 of 8  
General Electric Space Systems; Applications Technology Satellites (ATS); Biosatellites; Use of Animals in Space Research
- Box 36                      Satellites, 2 of 8  
Seasat Satellite; Pioneer Venus 1 (20 May 1978) & 2 (8 Aug 78); NATO Communications Satellites; Comstar Satellites; GOES (Geostationary Operational Environment Satellites); Heat Capacity Mapping Mission (HCMM, AEM-A); RCA, General
- Box 37                      Satellites, 3 of 8  
Biosatellites; Use of Animals in Space Research; Biosatellite 3 (Biosatellite D); Aerospace Medicine, Animal Experimentation; Aerobee Sounding Rocket, General; Biosatellite 2 (Biosatellite B)
- Box 38                      Satellites, 4 of 8  
Vanguard Satellite Launch Vehicle; Explorer Satellites; Vanguard Project, General; Vanguard Project, Martin
- Box 39                      Satellites, 5 of 8  
Vanguard Project, General; Vanguard Project, Martin; Vanguard Project, Naval Research Lab; Vanguard Satellite Launch Vehicle; USA, "Explorer I", General (July 1934); USA, "Explorer III", General
- Box 40                      Satellites, 6 of 8  
Vanguard Project, General; Vanguard Project, Martin; Vanguard Project, Naval Research Lab; Vanguard Satellite Launch Vehicle
- Box 41                      Satellites, 7 of 8  
Vanguard Project, General; Vanguard Project, Martin; Vanguard Project, Naval Research Lab; Vanguard Satellite Launch Vehicle; Vanguard III Satellite Launch Vehicle 7 (9/18/59); Space Shuttle, Payloads, Get Away Delta Launch 24 Oct 78 (Delta 2910, Nimbus G); Space Shuttle, General, 1980; Goddard, Robert Hutchings
- Box 42                      Satellites, 8 of 8  
Viking Program, Martin Marietta; Martin Marietta, General; Vanguard Project, General; Vanguard Project, Martin; Vanguard Project, Naval Research Lab; Vanguard Satellite Launch Vehicle; Tracking, Moonwatch Program
- Box 43                      Saturn Rockets, 1 of 12

- Rocketdyne, General; Saturn 5 Launch Vehicle (C-5); Raytheon, General; Republic, General; Republic Magnetic Pinch Plasma Rocket Motor
- Box 44 Saturn Rockets, 2 of 12  
Saturn Launch Vehicle Project, General; Rocketdyne F-1 Liquid-Fuel Motor; Saturn 2 Launch Vehicle (C-2); Langley Research Center (NASA); Rocketdyne J-2 Liquid-Fuel Motor; Michoud Assembly Facility, Marshall Space Flight Center (NASA); General Electric, General
- Box 45 Saturn Rockets, 3 of 12  
Saturn I Launch Vehicle (C-1); Marshall Space Flight Center (NASA); Michoud Assembly Facility; Saturn Launch Vehicle Project, Contractors, Chrysler; Saturn I SA-1 (27 Oct 61) Launch Vehicle (Block I); Saturn I SA-3 (16 Nov 62) Launch Vehicle (Block I); Saturn I SA-4 (28 Mar 63) Launch Vehicle (Block I); Saturn I SA-5 (29 Jan 64) Launch Vehicle (Block II); Saturn I SA-6 (28 May 64) Launch Vehicle (Block II); Saturn I SA-7 (18 Sep 64) Launch Vehicle (Block II); Saturn I SA-9 (16 Feb 65) Launch Vehicle (Block II); Pegasus I Satellite (A, 16 Feb 65); Pegasus II Satellite (B, 25 May 65); Saturn I SA-8 (25 May 65) Launch Vehicle (Block II); Pegasus III Satellite (C, 30 Jul 65); Saturn I SA-10 (30 Jul 65) Launch Vehicle (Block II)
- Box 46 Saturn Rockets, 4 of 12  
Saturn 5 Launch Vehicle (C-5); Michoud Assembly Facility, Marshall Space Flight Center (NASA); Saturn I Launch Vehicle (C-1); Titan III, General; Rocketdyne, General; Boeing, General
- Box 47 Saturn Rockets, 5 of 12  
Saturn 5 Launch Vehicle (C-5); Michoud Assembly Facility, Marshall Space Flight Center (NASA); Bendix, General; Boeing, General; Apollo 4 Flight; Saturn 5 AS-501; Moon, General; Moon, Exploitation; Apollo Project, General
- Box 48 Saturn Rockets, 6 of 12  
Saturn I Launch Vehicle (C-1); Saturn 5 Launch Vehicle (C-5); Saturn S-1B Stage; Saturn Launch Vehicle Project, General; Michoud Assembly Facility, Marshall Space Flight Center (NASA); Rocketdyne, General; Saturn I SA-1 (27 Oct 61) Launch Vehicle (Block I); Saturn I SA-2 (25 Apr 62) Launch Vehicle (Block I); Saturn I SA-3 (16 Nov 62) Launch Vehicle (Block I); Saturn I SA-4 (28 Mar 63) Launch Vehicle (Block I); Saturn I SA-5 (29 Jan 64) Launch Vehicle (Block II); Saturn I SA-6 (28 May 64) Launch Vehicle (Block II); Saturn I SA-7 (18 Sep 64) Launch Vehicle (Block II); Pegasus II Satellite (B, 25 May 65); Saturn I SA-9 (16 Feb 65) Launch Vehicle (Block II); Saturn I SA-8 (25 May 65) Launch Vehicle (Block II); Saturn I SA-10 (30 Jul 65) Launch Vehicle (Block II)
- Box 49 Saturn Rockets, 7 of 12  
Rocketdyne F-1 Liquid-Fuel Motor; Rocketdyne J-2 Liquid-Fuel Motor; Michoud Assembly Facility, Marshall Space Flight Center (NASA); Thiokol, General; Reaction Motors; Apollo 11 Flight, Contractor Releases; Apollo 8 Flight, Contractor Releases; Marquardt R-4D Liquid-Fuel Motor; Saturn I

- Launch Vehicle (C-1); Saturn Launch Vehicle Project, General; TRW Lunar Module Engine; Apollo 9 Flight, General
- Box 50 Saturn Rockets, 8 of 12  
Saturn S-1C Stage; Saturn 5 Launch Vehicle (C-5); Marshall Space Flight Center (NASA) ; Michoud Assembly Facility
- Box 51 Saturn Rockets, 9 of 12  
Saturn S-1B Stage; Marshall Space Flight Center (NASA); Michoud Assembly Facility; Saturn 5 Launch Vehicle (C-5); Apollo Project, General; Apollo Lunar Module (LEM, LM); Apollo Command Modules
- Box 52 Saturn Rockets, 10 of 12  
Rocketdyne F-1 Liquid-Fuel Motor; Space Shuttle, Propulsion, Main Engine (SSME); Rocketdyne J-2 Liquid-Fuel Motor; Apollo Project, General; Saturn S-2 Stage; Saturn 5 Launch Vehicle (C-5)
- Box 53 Saturn Rockets, 11 of 12  
TRW Lunar Module Engine; Apollo 13 Flight, General; Apollo Project, General; Apollo 14 Flight, General; Saturn 5 AS-509; Rocketdyne F-1 Liquid-Fuel Motor; General Electric Space Systems; Bendix, General; Aerojet Apollo Service Module Engine; Saturn 5 Launch Vehicle (C-5); Titan III-C; Saturn Launch Vehicle Project, NASA Publications; Saturn 5 AS-500F Facilities Test Vehicle; Launch Umbilical Tower (LUT) (For Saturn V)
- Box 54 Saturn Rockets, 12 of 12  
Apollo 14 Flight, General; Saturn 5 AS-509; Saturn IB Launch Vehicle; Marshall Space Flight Center (NASA); Michoud Assembly Facility; Apollo 11 Flight, General; Rocketdyne J-2 Liquid-Fuel Motor; Saturn 5 Launch Vehicle (C-5); Saturn Launch Vehicle Project, Contractors, Douglas
- Box 55 Space Shuttle and Hubble Space Telescope, 1 of 2  
Space Shuttle, General; Rocketdyne SSME (Space Shuttle Main Engine; STME); Hubble (Large) Space Telescope (HST, LST); Shuttle STS-31; STS-61; Space Shuttle, Propulsion, Solid Rocket Booster; Space Shuttles, Enterprise (OV-101)
- Box 56 Space Shuttle and Hubble Space Telescope, 2 of 2  
Space Shuttle, General; Rocketdyne SSME (Space Shuttle Main Engine; STME); Hubble (Large) Space Telescope (HST, LST); Space Shuttle STS-31; STS-61; Space Shuttle, Propulsion, Solid Rocket Booster; Space Shuttles, Enterprise (OV-101)
- Box 57 Space Stations, 1 of 2  
Skylab, General; Nike-Cajun Sounding Rocket; Molab (Mobile Laboratory); Gemini Project, General
- Box 58 Space Stations, 2 of 2

- Skylab, General; Saturn 5 Launch Vehicle (C-5); SNAP-29
- Box 59 Titan Program, 1 of 2  
Titan III, General; Titan III-C; Martin-Marietta; Titan III E (Titan-Centaur); Aerojet, General
- Box 60 Titan Program, 2 of 2  
Aerojet, General; Titan II Gemini Launch Vehicle; Martin-Marietta; Titan II Space Launch Vehicle (Refurbished ICBM); Titan I IRBM (SM-68); Titan III-C; Aerojet, General, Publications, "Aerojet Booster"
- Box 61 Miscellaneous, 1 of 10  
Avco, General; Chaparral Missile (MIM-72); Air Force, Organizations, Air Research and Development Command, Arnold Engineering Development Center (AEDC); Aerojet, General, Publications, "Aerojet Booster"
- Box 62 Miscellaneous, 2 of 10  
Hawker, General; Douglas, General; Saturn Launch Vehicle Project, Contractors, Douglas; Douglas DC-8 Family; Douglas DC-9 Family; Rombus (Reusable Orbital Module Booster & Utility Shuttle); Deimos Project (Manned Mars Mission); Pegasus I Satellite (A, 16 Feb 65); Pegasus II Satellite (B, 25 May 65); Pegasus III Satellite (C, 30 Jul 65)
- Box 63 Miscellaneous, 3 of 10  
Apollo 15 Flight, Contractor Releases; Beech, General; Bendix, General; Personal Propulsion Systems, Rocket Belt; Bell, General; Boeing, General; Dyna-Soar (X-20)
- Box 64 Miscellaneous, 4 of 10  
Apollo Lunar Module (LEM, LM); Pratt & Whitney Powercel Fuel Cells; General Electric Generators; Gemini Project, General, Equipment
- Box 65 Miscellaneous, 5 of 10  
Martin Marietta, General; Dragon (M-47, FGM-77, Medium Antitank/Assault Weapon, MAW); McDonnell, General; Asset Unmanned Reentry Project; Thor-Asset Launch Vehicle; Titan II Gemini Launch Vehicle; Motorola, General; Douglas, General; General Dynamics, General; Boeing, General, Publications, Boeing Magazine
- Box 66 Miscellaneous, 6 of 10  
Vought F4U Corsair Family; Lunar Flying Vehicle (Hopper, LFV)
- Box 67 Miscellaneous, 7 of 10  
Lockheed HC-130H Hercules, USAF; Waste Management, Gemini; Astronauts, Women, Articles, 1960s; Martin Marietta, General; Clothing, Space Suits, Apollo, Portable Life Support; United Aircraft, General; Gemini Project, General; Personal Propulsion Systems, Astronaut Maneuvering Unit (AMU, Gemini); Apollo Project, Medical Concerns; Food, Apollo, Articles; Food,

Gemini; Clothing, Space Suits, General; Apollo Project, Plans & Training Manual; Clothing, Space Suits, Apollo A7L

Box 68

Miscellaneous, 8 of 10

Clothing, Space Suits, Skylab, A7LB; Apollo Project, General; Apollo Project, Lunar Surface Activities; Saturn 5 Launch Vehicle (C-5); Rocketdyne F-1 Liquid-Fuel Motor; Clothing, Space Suits, Apollo, Portable Life Support; Apollo 4 Flight; Saturn 5 AS-501; Apollo Lunar Landing Training Vehicle (LLTV); Boeing EC-135N; Rocketdyne J-2 Liquid-Fuel Motor; Langley Research Center (NASA); Kennedy Space Center (NASA) Air Force Eastern Test Range (Joint Long Range Proving Ground, Florida Missile Test Range, Atlantic Missile Range); Pioneer Project; Biosatellite 2 (Biosatellite B); Use of Animals in Space Research; Food, General

Box 69

Miscellaneous, 9 of 10

Marshall Space Flight Center (NASA); Michoud Assembly Facility; Apollo Lunar Module (LEM, LM); Aero Spacelines Super Guppy; Boeing-Vertol H-47 Chinook Family; Saturn 5 Launch Vehicle (C-5); Transporters; Aero Spacelines Mini Guppy; Aero Spacelines Pregnant Guppy

Box 70

Miscellaneous, 10 of 10

Haise, Fred W., Jr; Seddon, Margaret "Rhea" (Doctor); Astronauts, General; Lockheed YF-104A Starfighter; Apollo 11 Flight, General; Apollo 11 Flight, Crew, Training; Astronauts, Training, Releases; Apollo Lunar Landing Training Vehicle (LLTV); Ames Research Center; Agena Docking Target, Gemini; Langley Research Center (NASA); Simulators, Motion, Centrifuges, Manned; Apollo Lunar Landing Research Facility (LLRF); Lunar Flying Vehicle (Hopper, LFV); Apollo 1 Mission, General; SST, Russia; Tupolev Tu-144 Charger; Astronauts, Mercury

USSR

Box 71

Cosmonauts

Union of Soviet Socialist Republics (USSR); Gagarin, Yuri Alekseyevich; Beregovoi, Georgy Timofeyevich; Vostok 1 Spacecraft (12 Apr 61, Russia, Sputnik 11); Vostok 2 Spacecraft (06 Aug 61) (Russia); Vostok 3 Spacecraft (11 Aug 62) (Russia); Bykovsky, Valeri Fyodorich; Komarov, Vladimir Mikhaylovich; Popovich, Pavel Romanovich (Colonel); Titov, Gherman Stepanovich (Colonel); Tereshkova, Valentina Vladimirovna; Nikolayev, Andriyan Grigor'yevich (General); Yegorov, Boris Borisovich (Doctor); Leonov, Alexei Arkhipovich; Tsyklon (Cyclone) Launch Vehicle (SL-14, F-2) (Russia); Cosmos SL-8 Launch Vehicle (Russia); Apollo-Soyuz, General; Proton Launch Vehicle (UR500, SL-9, SL-12, SL-13, D-1) (Russia)

Box 72

Lunik Program

Luna 16 Probe (Lunik 16); Luna 9 Probe (Lunik 9); Luna 10 Probe (Lunik 10); Luna 15 Probe (Lunik 15); Zond Space Probes (Russia); Luna 14 Probe (Lunik 14); Cosmos Satellites (Russia) 1400 Series; Luna 11 Probe (Lunik 11); Luna 5 Probe (Lunik 5); Luna 4 Probe (Lunik 4); Luna 3 Probe (Lunik 3); Luna 2 Probe (Lunik 2)

- Box 73                      Rockets  
Gagarin, Yuri Alekseyevich; Energia Launch Vehicle (SL-17, K-1) (Russia); Kosmos Launch Vehicle (SL-8, C-1) (Russia); Soyuz Launch Vehicle (Russia); Unidentified Flying Objects (UFO); Union of Soviet Socialist Republics (USSR); Redstone Missile (Major, URSA, SSM-G-14, SSM-A-14, PGM-11, Hermes C-1)
- Box 74                      Spacecraft, 1 of 5  
Union of Soviet Socialist Republics (USSR); Vostok Spacecraft (Russia); Voskhod 2 Spacecraft (18 Mar 65) (Russia); Voskhod 1 Spacecraft (12 Oct 64) (Russia); Leonov, Alexei Arkhipovich; Gemini Project, General; Astronauts, Women
- Box 75                      Spacecraft, 2 of 5  
Salyut 7 (19 Apr 82) (Russia); Soyuz T-14 (17 Sep 85) (Russia); Cosmos Satellites (Russia) 1400 Series; Soyuz T-10B (08 Feb 84) (Russia); Savitskaya, Svetlana Yevgen'yevna; Soyuz T-11 (03 Apr 84) (Russia); Sharma, Rakesh; Soyuz 11 (06 Jun 71) (Russia); Soyuz 10 (23 Apr 71) (Russia); Salyut (Russia)
- Box 76                      Spacecraft, 3 of 5  
Mir ("Peace") Space Station (Russia); National Geographic Society (USA), General; MiG, General; Yakovlev, General; Tupolev, General; Mil Mi-24 Hind Family; Russia, Launch Sites, Baikonur Cosmodrome (Tyuratam); Energia Launch Vehicle (SL-17, K-1) (Russia); Levchenko, Anatoly; Space Shuttle, Russia, General; Soyuz TM-6 (29 Aug 88) (Russia); Soyuz TM-5 (07 Jun 88) (Russia); Soyuz TM-4 (21 Dec 87) (Russia); Phobos Mission (Russia); Kvant Astrophysical Module (Russia); Kosmos Launch Vehicle (SL-8, C-1) (Russia); Space Shuttle, Russia, Spaceplane (Bor-4, Cosmos 1374, 1445, 1517, 1614); Myasishchev M-4 (MYa-4) Bison Family; Cosmos Satellites (Russia) 1900 Series; Asat (Anti-Satellite) Weapons; Vega Space Probes (Russia, France)
- Box 77                      Spacecraft, 4 of 5  
Soyuz 36 (26 May 80) (Russia); Union of Soviet Socialist Republics (USSR); Soyuz T-7 (19 Aug 82) (Russia); Soyuz T-2 (05 Jun 80) (Russia); Space Shuttle, Russia, Spaceplane (Bor-4, Cosmos 1374, 1445, 1517, 1614); Soyuz 28 (02 Mar 78) (Russia); Soyuz 29 (23 Sep 78) (Russia); Soyuz 30 (27 Jun 78) (Russia); Luna 24 Probe (Lunik 24); Zond Space Probes (Russia);
- Box 78                      Spacecraft, 5 of 5  
Molniya 1 Satellite (Russia); Voskhod 1 Spacecraft (12 Oct 64) (Russia); Vostok Spacecraft (Russia); Soyuz Program (Russia); Gemini 6 & 7 Rendezvous; Cosmos Satellites (Russia) 100 Series; Cosmos Satellites (Russia) 200 Series
- Box 79                      Miscellaneous, 1 of 4  
Union of Soviet Socialist Republics (USSR) ; Social Impact, General, Union of Soviet Socialist Republics (USSR) and Russia; Blagonravov, Anatoliy



Arkadiyevich; Voskhod 2 Spacecraft (18 Mar 65) (Russia); Elektron Satellites (Russia); Leonov, Alexei Arkhipovich

Box 80

Miscellaneous, 2 of 4

Union of Soviet Socialist Republics (USSR); Apollo-Soyuz, General; British Overseas Airways Corporation (BOAC) (UK); Lunokhod (Moonwalker) 1 Roving Vehicle (Luna 17) (Russia)

Box 81

Miscellaneous, 3 of 4

Gagarin, Yuri Alekseyevich; Vostok 1 Spacecraft (12 Apr 61, Russia, Sputnik 11); Popovich, Pavel Romanovich (Colonel); Nikolayev, Andriyan Grigor'yevich (General); Sputnik (Russia); Soyuz 6, 7, & 8 (Russia); Cosmos Satellites (Russia), General; Elektron Satellites (Russia); Polyot Satellites (Russia); Voskhod 1 Spacecraft (12 Oct 64) (Russia); Soyuz Program (Russia)

Box 82

Miscellaneous, 4 of 4

Social Impact, General, Union of Soviet Socialist Republics (USSR) and Russia

## International

Box 83

Asia, Japan

Japan, ISAS (Institute of Space and Astronautical Science); Japan, Space Program; Shinsei (New Star) Satellite (Japan); Tansei Test Satellite (Japan); L-4S (Lambda) Sounding Rocket (Japan); Kappa Sounding Rocket (Japan)

Box 84

Europe, Ariane Program, 1 of 17

ERS-1 (European Remote Sensing Satellite, ESA); Ariane 4 Launch Vehicle (ESA); Atlas IIAS (2AS) Launch Vehicle; Anik Satellites (Telesat) (Canada); Intelsat (International Telecommunications Satellite Organization); Spacenet Communications Satellites; Ariane Launch 8 Sep 88 (25, AR3, G-Star III, SBS 5); Ariane Launch 25 Sep 93 (59, AR40, Spot 3); Italsat (Italy); Arianespace (France)

Box 85

Europe, Ariane Program, 2 of 17

Arianespace (France); Ariane Launch Vehicle (L-3S, ESA), ArianeSpace Publications; Arabsat (Arabian Commercial Satellite); Topex/Poseidon Oceanography Satellite; Hermes Spaceplane (France); ERS-1 (European Remote Sensing Satellite, ESA)

Box 86

Europe, Ariane Program, 3 of 17

Ariane Launch Vehicle (L-3S, ESA); Ariane Launch 10 Sep 82 (L5, AR 1, Marecs B, Sirio-2); Olympus (ESA, Large Satellite, L-Sat); Marecs Satellites (ESA & Russia); MATRA (France)

Box 87

Europe, Ariane Program, 4 of 17

Ariane Launch Vehicle (L-3S, ESA); MATRA (France); Ariane Launch 10 Sep 82 (L5, AR 1, Marecs B, Sirio-2); Westar Satellites; G-Star Satellite; European Space Agency (ESA), General; Intelsat V F-8 (5 Mar 84, Ariane 1); Arabsat

- (Arabian Commercial Satellite); Ariane Launch 8 Feb 85 (12, AR3, Arabsat 1A, Brasilsat S1); Ariane Launch 22 Feb 86 (16, AR1, Spot 1, Viking)
- Box 88 Europe, Ariane Program, 5 of 17  
Ariane Launch 19 Jun 81 (L03, AR 1, Apple, Meteosat); Ariane Launch 19 Dec 81 (L04, AR 1, Marecs A); Ariane Launch 10 Sep 82 (L5, AR 1, Marecs B, Sirio-2) ; Ariane Launch 16 Jun 83 (L6, AR 1, ECS1, Oscar)
- Box 89 Europe, Ariane Program, 6 of 17  
Ariane Launch 22 May 84 (9, AR 1, Spacenet I); Ariane Launch 10 Nov 84 (11, AR3, Spacenet II, Marecs B2); Ariane 3 Launch Vehicle (ESA); Ariane Launch 8 May 85 (13, AR3, G-Star I, Telecom 1B)
- Box 90 Europe, Ariane Program, 7 of 17  
Intelsat V F-7 (19 Oct 83, Ariane 1); Intelsat V F-8 (5 Mar 84, Ariane 1); Ariane Launch 22 May 84 (9, AR 1, Spacenet I)
- Box 91 Europe, Ariane Program, 8 of 17  
Ariane Launch 4 Aug 84 (10, AR 3, ECS2, Telecom 1A); Ariane Launch 10 Nov 84 (11, AR3, Spacenet II, Marecs B2); Ariane Launch 8 Feb 85 (12, AR3, Arabsat 1A, Brasilsat S1)
- Box 92 Europe, Ariane Program, 9 of 17  
Ariane Launch 2 Jul 85 (14, AR1, Giotto); Ariane Launch 12 Sep 85 (15, AR3, Spacenet III, ECS3)
- Box 93 Europe, Ariane Program, 10 of 17  
Ariane Launch 27 Oct 88 (26, AR2, TDF1); Ariane Launch 21 Jul 88 (24, AR3, Insat 1C, ECS5); Ariane Launch 5 Jun 89 (31, AR44LP, Superbird, DFS); Arianespace (France); Ariane Launch 1 Apr 89 (30, AR2 Tele-X); Energia Launch Vehicle (SL-17, K-1) (Russia); Space Shuttle, Russia, Buran; Ariane Launch 11 Jul 89 (32, AR3, Olympus); Ariane Launch 22 Feb 90 (36, AR44L, Superbird, BS-2); Ariane Launch 24 Jul 90 (37, AR44L, TDF, DFS); Ariane Launch 30 Aug 90 (38, AR44LP, Skynet, Eutelsat); Ariane Launch 21 Jan 90 (35, AR40, Spot, Microsat, Uosat); Ariane Launch 12 Oct 90 (39, AR44L, SBS, Galaxy); Ariane Launch 20 Nov 90 (40, AR42P, Satcom, G-Star); Ariane Launch 15 Jan 91 (41, AR44L, Italsat, Eutelsat)
- Box 94 Europe, Ariane Program, 11 of 17  
Ariane Launch 21 Jul 88 (24, AR3, Insat 1C, ECS5); Ariane Launch 8 Sep 88 (25, AR3, G-Star III, SBS 5); Ariane Launch 27 Oct 88 (26, AR2, TDF1); Ariane Launch 10 Dec 88 (27, AR44LP, Skynet 4B, Astra 1A); Ariane Launch 26 Jan 89 (28, AR2, Intelsat); Ariane Launch 6 Mar 89 (29, AR44LP, JCSat, Meteosat); Ariane Launch 1 Apr 89 (30, AR2 Tele-X); Ariane Launch 5 Jun 89 (31, AR44LP, Superbird, DFS); Ariane Launch 11 Jul 89 (32, AR3, Olympus)
- Box 95 Europe, Ariane Program, 12 of 17  
Ariane Launch 15 Jun 88 (22, AR44LP, Meteosat P2, Amsat III C, Pas 1)

- Box 96 Europe, Ariane Program, 13 of 17  
Ariane Launch 22 Feb 86 (16, AR1, Spot 1, Viking); Spot (Satellite Probatoire d'Observation de la Terre)
- Box 97 Europe, Ariane Program, 14 of 17  
Ariane Launch 15 Sep 87 (19, AR3, Aussat K3, ECS4); Ariane Launch 20 Nov 87 (20, AR2, TV-Sat1); Ariane Launch 17 May 88 (23, AR2, Intelsat); Ariane Launch 11 Mar 88 (21, AR3, Spacenet IIIIR, Telecom 1C)
- Box 98 Europe, Ariane Program, 15 of 17  
Ariane 3 Launch Vehicle (ESA); Ariane 4 Launch Vehicle (ESA); Ariane 5 Launch Vehicle (ESA); Hermes Spaceplane (France); Arianespace (France)
- Box 99 Europe, Ariane Program, 16 of 17  
Ariane Launch 28 Mar 86 (17, AR3, G-Star II, Brasilsat S2); Arianespace (France); Spacenet Communications Satellites; Space Shuttles, Challenger (OV-99); Ariane Launch 22 May 84 (9, AR 1, Spacenet I)
- Box 100 Europe, Ariane Program, 17 of 17  
Japan, NASDA (National Space Development Agency of Japan); Centre National d'Études Spatiales (CNES, National Center for Space Studies, France); Ariane Launch 10 Sep 82 (L5, AR 1, Marecs B, Sirio-2); Spot (Satellite Probatoire d'Observation de la Terre); Meteosat Meteorology Satellite (ESA); Sirio Satellite (Italy); OTS (Orbital Test Satellite, ESA); European Space Agency (ESA), General
- Box 101 Europe, Concorde Program  
Bristol Olympus; Rolls-Royce/SNECMA); Concorde 002 (British Prototype); Bristol Siddeley, General; Concorde (Program), General, Articles; Concorde 001 (French Prototype); Sud-Aviation, General
- Box 102 Europe, Concorde Environmental Impact Statement Volume 1 (1 of 2)  
Concorde, General
- Box 103 Europe, Concorde Environmental Impact Statement Volume 1 (2 of 2)  
Concorde, General
- Box 104 Europe, European Missiles, 1 of 4  
MATRA (France); France, Space Program, Contractor Releases, Matra; Martel (Missile, AntiRadar and Television, France & UK); Masurca Missile (France); Veronique Sounding Rocket (France); Crotale (Rattlesnake, Cactus) Missile (France); Lance Missile (MGM-52A, Missile-B); Iris Sounding Rocket
- Box 105 Europe, European Missiles, 2 of 4  
Roland Missile (USA, France, Germany); Entac Missile (France, MGM-32); DEFA, General; MILAN Missile (Missile d'Infanterie Léger ANtichar, Anti-Tank Light Infantry Missile); Harpon Missile (France); Pluton Missile (France);

- Veronique Sounding Rocket (France); MATRA (France); Matra R 530 Missile (France); SNECMA, General; Masurca Missile (France)
- Box 106 Europe, European Missiles, 3 of 4  
Pluton Missile (France); Roland Missile (USA, France, Germany); Entac Missile (France, MGM-32); AS-30 Missile (France); MILAN Missile (Missile d'Infanterie Léger ANtichar, Anti-Tank Light Infantry Missile); SNCAN (Nord) CT-20; SNCAN (Nord) CT-41
- Box 107 Europe, European Missiles, 4 of 4  
Firebee Program, General; SNCAN (Nord) CT-20; SNCAN (Nord) CT-41; SNCAN (Nord) CT-10
- Box 108 Europe, European Satellites, 1 of 3  
Symphonie Satellites (France/Germany); Thor Delta Launch Vehicle DM-19, DSV-3B
- Box 109 Europe, European Satellites, 2 of 3  
France, Space Program, CNES Publication; Galileo Project; France, Paris, Le Bourget; Signe Satellite (France/Russia); Spot (Satellite Probatoire d'Observation de la Terre); Meteosat Meteorology Satellite (ESA)
- Box 110 Europe, European Satellites, 3 of 3  
European Space Agency Satellites (ESA, Esro); Azur Satellite (West Germany, GRS-A); Dart Sounding Rocket; Europa Launch Vehicle; Cobra 2000 Missile (BO 810); Asat (Anti-Satellite) Weapons; MBB/ERNO Space Systems (Germany); Bölkow, General
- Box 111 Europe, European Sounding Rockets, 1 of 2  
Onera Sounding Rockets (France); Eclipses, Solar, 12 Nov 1966; Hawk Missile (SAM-A-18, MIM-23, XM-3); Dragon Sounding Rockets (France); Centaure II Sounding Rocket (France)
- Box 112 Europe, European Sounding Rockets, 2 of 2  
Sud-Aviation, General; Belier III Sounding Rocket (France); Dragon Sounding Rockets (France) ; Centaure II Sounding Rocket (France)
- Box 113 Europe, European Space Agency, 1 of 2  
Eldo (European Launcher Development Organization); European Space Agency Satellites (ESA, Esro); Skylark Sounding Rocket (UK); Veronique Sounding Rocket (France); Wresat (Weapons Research Establishment Satellite, Australia); ESRange Space Operations Center (Sweden)
- Box 114 Europe, European Space Agency, 1 of 2  
Eldo (European Launcher Development Organization); TD 1A Satellite (Esro, ESA); European Space Agency Satellites (ESA, Esro); Europa Launch Vehicle; Concorde, General; Blue Streak Launch Vehicle (UK); SNECMA, General

- Box 115 Europe, Hermes Space Plane  
Hermes Spaceplane (France); Ariane 5 Launch Vehicle (ESA); Aérospatiale, General; Centre National d'Études Spatiales (CNES, National Center for Space Studies, France); Airports, France, Paris, Le Bourget
- Box 116 Europe, United Kingdom, Aviation  
English Electric Lightning T.Mk.5; English Electric Lightning F.Mk.3; English Electric Lightning F.Mk.2; English Electric Lightning F.Mk.1; Supermarine Scimitar; Vickers (UK), General; Supermarine Seafire Mk.I; Supermarine Spitfire Family
- Box 117 Europe, Miscellaneous, 1 of 5  
Veronique Sounding Rocket (France); Diamant Launch Vehicle (France); Hawk Missile (SAM-A-18, MIM-23, XM-3); Centre National d'Études Spatiales (CNES, National Center for Space Studies, France); Eole Satellites (France); Masurca Missile (France); MARUCA (Marine Ruelle Contre Avion)
- Box 118 Europe, Miscellaneous, 2 of 5  
Eldo (European Launcher Development Organization); Europa Launch Vehicle; Europa 2 Launch Vehicle; Intelsat III Series; Titan III-C; Hawker Siddeley, General
- Box 119 Europe, Miscellaneous, 3 of 5  
Diamant Launch Vehicle (France); France, Space Program, Contractor Releases, Matra; Émeraude (Emerald) Rocket (France)
- Box 120 Europe, Miscellaneous, 4 of 5  
D-2A Satellite (France); SNCAN (Nord) CT-10
- Box 121 Europe, Miscellaneous, 5 of 5  
Centre National d'Études Spatiales (CNES, National Center for Space Studies, France); Douglas DC-7 Amor (French Space Program Support Modification)

### Mixed Origin

Files in this sub-series are categorized as being of 'mixed origin' due to their contents being comprised of documents relating to projects originating from multiple nations. For example, a file may contain documents relating to the US space program whilst also containing documents referencing separate European endeavors.

- Box 122 Experimental Propulsion  
United Aircraft, General; Phoebus Nuclear Propulsion Reactor; Lockheed, General; Aerojet Nerva (Nuclear Engine for Rocket Vehicle Appl.); Nuclear Rocket Development Station (Nevada National Security Site, Nevada Test Site, Nevada Proving Grounds), Nevada; SNAP-8; Rocketdyne, General; Space Electric Rocket Test (Sert) I Spacecraft; Space Electric Rocket Test (Sert) 2 Spacecraft; Onera Sounding Rockets (France); Lewis Research Center; Magnetohydrodynamic (MHD) Rocket Motors

- Box 123                      Individuals  
von Braun, Wernher Magnus Maximilian Freiherr, General; Petrone, Rocco Anthony; Lee, Chester M.; Maus, Hans H.; von Karman, Theodore (Doctor); Mrazek, William A. (Doctor); Thompson, Floyd L. (Doctor); Stuhlinger, Ernst (Doctor); Haney, Paul; Geissler, Ernst D. (Doctor); Goddard, Robert Hutchings; Crippen, Robert L.; Berry, Charles A. (Doctor); Johnston, Richard S.; Bogart, Frank A. (General); Berry, Charles A. (Doctor); Rieke, William B.; Paine, Thomas Otten; Astronauts, General, NASA Releases
- Box 124                      Lunar Missions  
Kennedy Space Center (NASA) Articles, 1972; Air Force Space Museum (Cape Kennedy AFS, FL); Saturn Launch Vehicle Project, General; Lunokhod (Moonwalker) 1 Roving Vehicle (Luna 17) (Russia); Solar System; Luna 17 Probe (Lunik 17)
- Box 125                      Missiles, 1 of 8  
Polaris Missiles (UGM-27) Articles, Undated; Air Force, Operations, Bikini Atoll Atomic Test; Sentinel Anti-Ballistic Missile (ABM) System; Spartan & Sprint); Shillelagh Missile (MGM-51, XM-13); Nike-Zeus Surface-to-Air Missile (LIM-49); Short-Range Attack Missile (SRAM, AGM-69); Martel (Missile, AntiRadar and Television, France & UK); Walleye Missile (AGM-62); Rapier Missile (UK); China, Missiles; Spartan Missile (XLIM-49); Convair F-106A Delta Dart; Sea Dart Missile (UK); Redeye Missile (FIM-43); Tartar Missile (RIM-24); Minuteman Missile (SM-80, LGM-30), Releases; Pershing Missile (MGM-31, Scram); Blue Steel Missile (UK); Falcon Missiles (GAR-1, GAR-2, GAR-3, GAR-11, AIM-4, AIM-26, AIM-47); Phoenix Missile (AIM-54); Chaparral Missile (MIM-72); Dart Anti-Tank Missile (SSM-A-23); Little John Missile (M-47, MGR-3)
- Box 126                      Missiles, 2 of 8  
Spartan Missile (XLIM-49); Falcon Missiles (GAR-1, GAR-2, GAR-3, GAR-11, AIM-4, AIM-26, AIM-47) ; Bomarc Missile (IM-99, CIM-10); Seacat Missile (UK); Bloodhound Missile (UK); Canadair, General; Black Brant Sounding Rockets (Canada); Redstone Missile (Major, URSA, SSM-G-14, SSM-A-14, PGM-11, Hermes C-1); Jupiter Missile (SM-78, PGM-19); Mosquito Missile (Switzerland); Sparrow Missile (AIM-7, RIM-7, AAM-N-6); Roc (VB-10) Guided Bomb; Honest John Missile (M-31, MGR-1B); Skybolt Missile (GAM-87, AGM-48); Nike-Ajax Surface-to-Air Missile (SAM-A-7); Genie Air-to-Air Missile (AIR-2, Ding Dong, MB-1, AIM-1); Fairey VTO Missile; Fireflash Missile (UK); Flight Refueling (UK)
- Box 127                      Missiles, 3 of 8  
Tow (Tube-Launched, Optically-Tracked, Wire-Guided) Missile (MGM-71); Shillelagh Missile (MGM-51, XM-13); Chaparral Missile (MIM-72); Condor Missile (AGM-53); Sea Dart Missile (UK); Bloodhound Missile (UK); Seaslug Missile (UK); Hounddog Missile (AGM-28, GAM-77); Falcon Missiles (GAR-1, GAR-2, GAR-3, GAR-11, AIM-4, AIM-26, AIM-47); Phoenix Missile (AIM-54); Blue Steel Missile (UK); Firestreak Missile (UK); Redtop Missile (UK)
- Box 128                      Missiles, 4 of 8

- Sea Dart Missile (UK); Martel (Missile, AntiRadar and Television, France & UK); Ikara Missile (Australia); Blowpipe Missile (UK); Seacat Missile (UK); Polaris Missiles (UGM-27) Articles, Undated; Tartar Missile (RIM-24); Terrier Missile (RIM-2, SAM-N-7); Mauler Missile (MIM-46, RIM-46); Bumper Project (V-2/WAC Corporal), General; Subroc (Submarine Rocket) Missile (UUM-44, Mk 28); Malkara Missile (Australia)
- Box 129                      Missiles, 5 of 8  
Lance Missile (MGM-52A, Missile-B); Polaris Missiles (UGM-27) Articles, Undated; Malkara Missile (Australia); X-17 Test Rocket; Argus; X-7 Missile; Kingfisher; Poseidon Missile (C-3, UGM-73); Terrier Missile (RIM-2, SAM-N-7); Regulus I Missile (SSM-N-8, KDU-1, RIM-6); Regulus II Missile (SSM-N-9, RGM-15); Gargoyle Missile (LBD-1, KSD-1); Quail Decoy Missile (ADM-20, GAM-72); Anti-Submarine Rocket (Asroc, RUR-5)
- Box 130                      Missiles, 6 of 8  
Navaho Missile (XSM-64, MX-770) ; X-10; Snark Missile (MX-775, MX-1960, SM-62); Sparrow Missile (AIM-7, RIM-7, AAM-N-6); Sea Sparrow Missile (RIM-7); Sparrow Missile; Chaparral Missile (MIM-72); Hawk Missile (SAM-A-18, MIM-23, XM-3); Hornet Missile (AGM-64); Shrike Missile (MX-776); Sidewinder Missile (AIM-9, AAM-N-7, GAR-8); Nike-Zeus Surface-to-Air Missile (LIM-49); Skylark Sounding Rocket (UK); Raytheon, General; Terrapin Sounding Rocket
- Box 131                      Missiles, 7 of 8  
Nike-X Anti-Ballistic Missile (ABM); Nike-Cajun Sounding Rocket; Aerobee 150A Sounding Rocket; Black Knight Rocket Vehicle (UK); Corporal Missile (XM4E1, XSSM-A-17, SSM-A-17); Sergeant Missile (XM-29, SSM-A-21, MGM-29); Redstone Missile (Major, URSA, SSM-G-14, SSM-A-14, PGM-11, Hermes C-1); Hawk Missile (SAM-A-18, MIM-23, XM-3); Lacrosse Missile (SSM-A-12, MGM-18); Jupiter Missile (SM-78, PGM-19); Black Brant Sounding Rockets (Canada); Nike-Zeus Surface-to-Air Missile (LIM-49); Nike-Ajax Surface-to-Air Missile (SAM-A-7); Nike-Hercules Surface-to-Air Missile (MIM-14, SAM-A-25); Nike-Apache Sounding Rocket; Walleye Missile (AGM-62); Wasp Missile
- Box 132                      Missiles, 8 of 8  
Firebee Program, General; Redhead-Roadrunner (NA273, MQM-42) Target Missile; Jindivik Target Aircraft (Australia); XC1 Drone (Canadair CL-89); AQM-37C Target Drone; SD-5 (AN/USD-5) Surveillance Drone (Fairchild); Meteor 1 Sounding Rocket (Poland); Swallow Drone (AN/USD-4, USD-4); Q-4 Target Drone (Radioplane); OQ-19 Target Drone (Radioplane); RP-70 Target Drone
- Box 133                      Rockets  
Russia, Launch Sites, Baikonur Cosmodrome (Tyuratam); Aerojet M-1 Liquid-Fuel Motor, General, Articles; Thor-Able Launch Vehicle; Lockheed Martin, General; Lockheed DC-130 Hercules Family; Poseidon Missile (C-3, UGM-73); Lance Missile (MGM-52A, Missile-B); Jet Propulsion Lab (JPL, NASA)
- Box 134                      Satellites

Transit 4B Navigation Satellite, 15 Nov 61 ; Injun Satellites; Explorers 25, 40, & 52); Low Frequency Transionospheric Satellite (Lofti); Solar Radiation Satellites (Solrad) (See also: Explorers 30, 37, 44); Atlas Launch Vehicles (SLV-3); Mercury Project; OV-2 Satellites; Titan III, General; Avco, General; OV-1 (Orbital Vehicle One) Satellites; Satellite for Aerospace Research (Satar); Samos (Satellite and Missile Observation System); ERS (European Remote Sensing Satellite, ESA); Vela Nuclear Detection Satellites

Box 135

Space Programs, 1 of 2

San Marco Satellites (Italy); Brazil; Nike-Cajun Sounding Rocket; Australia; Spain, General; Argentina; India; Sweden, Space Programs; Italy, Space Program; Mexico; New Zealand; Pakistan; Netherlands, 20th Century; Poland, 20th Century; Norway; Denmark

Box 136

Space Programs, 2 of 2

China, Space Program; Brazil; Azur Satellite (West Germany, GRS-A); Alouette Satellite (S-27, Canada); Rohini Satellite (India); Nike-Tomahawk Sounding Rocket; Nike-Apache Sounding Rocket; Argentina; Netherlands, 20th Century; Australia; Isis 1 (Isis-A)

Box 137

VTOL

Hawker Siddeley, General; Dassault Mirage III Family; Ryan XV-5A Vertifan; EWR Süd VJ 101; Lockheed XV-4A Hummingbird; Vought XC-142A; Hiller XC-142; VFW-Fokker VC 400; Lockheed Model 286 (Rigid Rotor); Sikorsky S-65 Family; Sikorsky S-61N; Sikorsky S-65 Family; Sikorsky S-64B Skycrane (Proposal); Sikorsky (S-61B) RH-3A Sea King; Sikorsky (S-62A) HH-52A (HU2S-1G) Seaguard (USCG); Boeing-Vertol YCH-47A (YHC-1B) Chinook; Boeing-Vertol UH-46A (HRB-1) Sea Knight; Hiller FH-1100; Wagner FJ-Sky-Trac

Box 138

Miscellaneous

Space Shuttle, General, 1979; vanguard Project, General; Tiros (Television Infrared Observation Satellites); NOAA Satellites; France, Space Program, Contractor Releases, Matra; DMSP (Defense Meteorological Satellite Program); Nimbus Satellites, General; Transfer Orbit Stage Space Shuttles, Columbia (OV-102); Space Shuttles, Enterprise (OV-101)

*Return to Table of Contents*



## Photography, (bulk 1960-2011)

This series has not yet been processed.

*[Return to Table of Contents](#)*