

# Headquarters Archives

## Finding Aid - Satellite Subject Files (SPFL-43)

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# Satellite Subject Files

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## Summary information

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<b>Repository:</b>	Headquarters Archives
<b>Title:</b>	Satellite Subject Files
<b>Reference code:</b>	SPFL-43
<b>Date:</b>	1945 - 2010 (creation)
<b>Physical description:</b>	148 Hollinger Boxes (61.72 linear feet)

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## Scope and content

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This artificial collection consists of files on programs and projects related to satellites and earth science research collected by the NASA Headquarters archivists for inclusion in the archives. Records contain materials collected from the Office of Space Sciences (OSS), Office of Space Science and Applications (OSSA), Science Mission Directorate (SMD), contractor historians, and NASA retirees. Specifically, this series contains correspondence files; reports; meeting files; speeches; congressional briefings and budget files; scientific satellites; communications satellites; Explorer satellites; orbiting observatories; earth observation satellites; and spacecraft design.

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## Notes

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### Arrangement

This collection is arranged alphabetically by subject, after a brief general files section.

### Restrictions on access

Not reviewed; This collection has not been reviewed for restrictions and must be reviewed prior to any researcher or digitization.

Distribution Limits: Determined After Review

### Conditions governing use

This collection may contain copyrighted material. The researcher assumes full responsibility for conforming with the laws of copyright. Securing permission to publish or use materials is the sole responsibility of the researcher.

### Other notes

- **Publication status:** Published

## Access points

- Webb, James E. (James Edwin), 1906-1992 (subject)
- Pickering, W. H. (William Hayward), 1910-2004 (subject)
- Fletcher, James Chipman, 1919-1991 (subject)
- Van Allen, James A. (James Alfred), 1914-2006 (subject)
- Mathews, Charles W. (subject)
- Von Braun, Wernher, 1912-1977 (subject)
- Hagen, John P. (subject)
- Jaffe, Leonard D. (subject)
- Naugle, John E. (subject)
- Cortright, Edgar M. (subject)
- Rosen, Milton W. (subject)
- Tepper, Morris, 1916- (subject)
- Satellites (subject)
- Satellite Communications (subject)
- OAO (subject)
- Hubble Space Telescope (subject)
- Weather Observation Satellites (subject)
- Landsat (subject)
- Tracking And Data Acquisition (subject)
- Earth Observations (from Space) (subject)
- Space Cameras (subject)

## Series descriptions

Reference code	Title	Dates	Physical description
SPFL-43-B1-F1 5596	<b>File - Satellites General</b>	1983 - ?	Location: Box 1
	<i>Scope and content:</i> Contains news clippings re the launch of a Global Positioning System (GPS) satellite by the tethered Small Expendable Deployer System (SEDS); NASA funding for small scale space probes; the Retrievable Payload Carrier (RPC) for Space Shuttle payload launch and retrieval; solar exploration satellites; use of communications satellites by airlines for air to ground communications; Explorer class satellites for earth observation; Mission to Planet Earth; and the explosion of batteries on the NOAA 8 satellite. Includes a photo of miscellaneous communications, science, and defense satellites.		
SPFL-43-B1-F2 5597	<b>File - Satellites (General)</b>	1959 - 1994	Location: Box 1
	<i>Scope and content:</i> Contains news clippings re NASA satellite projects; the use of deep space satellites to detect magnetic storms; amateur construction of "microsats" and other satellites; space science and applications spacecraft and project costs; "wrap rib reflector" antenna; solar exploration probes; Wind Measuring Satellite System (WINDSAT); lunar exploration and asteroid studies; Biomedical Experiment Scientific		

	Satellite (BESS); Aeros meteorological satellites; repair and maintenance satellites; use of satellites for magnetic field and solar wind observations; and navigation satellites for ocean surveys. Includes NASA Educational Publication EP84: "Satellites at Work: Space in the Seventies"; NASA informational booklet: "Putting Satellites to Work"; descriptions of the Energetic Particles, Atmospheric Structure, Gamma Ray Astronomy, Solar Spectroscopy, Ionosphere Direct Measurements, Ionosphere Beacon, and Radiation Belt Satellites. Contains correspondence re an information transfer satellite system; satellite carrier balloon to measure wind profiles; shutdown of satellites; status of satellites within the satellite development program; and the development of recoverable radiation experiments. Includes photos and illustrations re Goddard Space Flight Center (GSFC) satellite missions; 1968 achievements in space physics and astronomy; Explorer and scientific satellites; air traffic control radar systems; and Biomedical Experiments Scientific Satellites (BESS).		
SPFL-43-B2-F1 5598	<b>File - Sats: Accidents, Shutdowns, Failures</b>	1961 - 1992	Location: Box 2
	<p><i>Scope and content:</i></p> <p>News clippings and press releases re delays, failures, and repairs involving the Hubble Space Telescope (HST), Tethered Satellite System 1 on Space Shuttle STS 46, Upper Atmosphere Research Satellite (UARS), Gamma Ray Observatory (GRO), Magellan probe, Galileo probe, ORBCOMM X communication satellite, Geostationary Operational Environmental (GOES) meteorological satellites, Combined Release and Radiation Effects (CRRES) satellite, Skynet 4A and JCSAT 2, Navstar satellites, Voyager 1 probe, Tracking and Data Relay Satellite (TDRS) 1, NOAA 8, Global Low Orbiting Message Relay satellite (GLOMR), Intelsat 5, Palapa B2 and Westar 6 on Space Shuttle STS 41B, INSAT 1B, and Landsat 4. Includes news clippings and press releases re delays in hurricane forecasting due to problems with weather satellites; disruption of tracking and communications at the Goldstone tracking station due to an earthquake; satellite testing; Space Shuttle launch delays and satellite repair missions; and the development of software by the National Oceanic and Atmospheric Administration (NOAA) to predict satellite malfunctions. Includes correspondence re Landsat data processing problems, launch schedules and readiness, and "Analysis of NASA Launches, 1960-1963". Also includes STS 41C Mission Report re the repair of the Solar Max satellite; NASA Technical Note TND6474: "A Study of First-Day Space Malfunctions"; and a photo of the deployment of the Palapa B satellite by STS 41B.</p>		
SPFL-43-B2-F2 5599	<b>File - Satellite Power Systems</b>	1971 - 1999	Location: Box 2
	<p><i>Scope and content:</i></p> <p>Contains news clippings and correspondence re the costs and development plans for a satellite power system to collect solar energy from space for use on earth; and Department of Energy (DoE), Energy Research and Development Agency (ERDA), and NASA cooperation on satellite power systems. Includes a speech by Georg von Tiesenhausen, and illustrations re satellite power systems.</p>		
SPFL-43-B2-F3 5600	<b>File - Power Extension Package (Pep) Solar Wing</b>	1979 - 1982	Location: Box 2
	<p><i>Scope and content:</i></p> <p>News clippings, press releases, and correspondence re development and costs of the Space Shuttle Power Extension Package (PEP) to provide supplemental power for extended missions; and McDonnell Douglas "Power Extension Package User's Handbook". Includes illustrations re the Space Shuttle with the PEP modules.</p>		
SPFL-43-B2-F4 6660	<b>File - Satellites: General</b>	1959 - 1988	Location: Box 2
	<p><i>Scope and content:</i></p> <p>News clippings and press releases re spacecraft design technology improvements; logs of satellites and orbital debris in earth orbit; applications of satellite technology; use of a self-supporting cable to orbit spacecraft and contact satellites; Department of Defense (DoD) communications satellites; and the system of designating US satellites with Greek letters. Includes NASA Educational Publication EP16 by Edgar Cortright: "Unmanned Spacecraft of the United States"; and "Successful Launching of Artificial</p>		

	Satellites and Space Probes, 1957-1961". Also includes photos re a space probe model, and Vanguard and Explorer satellites; and chart re the growth of NASA spacecraft weights.		
SPFL-43-B3-F1 5574	<b>File - Advanced Research And Global Observation Satellite (Argos)</b>	1999	Location: Box 3
	<i>Scope and content:</i> Contains news articles re Advanced Research and Global Observation Satellite (ARGOS); launch delays; and launch.		
SPFL-43-B3-F2 5602	<b>File - Able Series</b>	1958 - 1961	Location: Box 3
	<i>Scope and content:</i> News clippings, press releases, and correspondence re the Able launch vehicle program; launch of the first nuclear powered satellite by the Thor-Able-Star launch vehicle; launch failures; and the use of the Atlas-Able launch vehicle for lunar probes and the Thor-Able launch vehicle for planetary exploration. Includes transcripts of press conferences re the finding of the Explorer 6 and Explorer 7 satellites; paper: "The Able Series of Space Probes"; US Air Force (USAF) Ballistic Missile Division's 1959 "Space Probes Program Status Report"; and illustration re the Able lunar orbiter.		
SPFL-43-B3-F3 5603	<b>File - Advanced Communications Technology Satellite (Acts)</b>	1980 - 2004	Location: Box 3
	<i>Scope and content:</i> Contains news clippings and press releases re the Advanced Communications Technology Satellite (ACTS) and it applications, experiments, deployment from Space Shuttle STS 51, and cost overruns. Includes news clippings and correspondence re the FY1986, FY1985, and FY1984 NASA budget and restructurings of the ACTS program; hearings before the House Subcommittee on Space Science and Applications re the 30/20 GHz satellite (later renamed ACTS); agreement turning ACTS over to a university consortium; shutdown of ACTS satellite; and brochures re the ACTS and 30/20 GHz satellites. Also includes photos and illustrations re ACTS, NASA communications satellites, deployment of ACTS from the Space Shuttle, the 30/20 GHz satellite, and an ACTS program sticker.		
SPFL-43-B4-F1 5604	<b>File - Advanced X-Ray Astronomy Facility (AXAF)</b>	1977 - 1993	Location: Box 4
	<i>Scope and content:</i> Includes press releases, news articles, and correspondence re the Advanced X-Ray Astrophysics Facility (AXAF), later renamed the Chandra X-ray Observatory, and the project objectives; X-ray astronomy observatories; AXAF budget cuts; testing of the telescope mirrors; contractor selection; and support and funding for AXAF. Includes speech by NASA Administrator James Fletcher re FY1989 support for AXAF. Also includes photos re the AXAF space telescope.		
SPFL-43-B4-F2 6632	<b>File - Advanced X-Ray Astrophysics Facility (AXAF)</b>	1992 - ?	Location: Box 4
	<i>Scope and content:</i> Contains news articles and press releases re the decision by NASA to build a second Advanced X-ray Astrophysics Facility (AXAF) by Marshall Space Flight Center (MSFC) rather than by a contractor; AXAF mirrors; the restructuring of AXAF into a two spacecraft program; cancellation of second AXAF spacecraft; renaming of AXAF to the Chandra X-ray Observatory; Inertial Upper Stage (IUS) problems; launch and deployment aboard STS-93; first observations; discoveries by Chandra; discovery of black holes; Chandra mission control center in Cambridge, Massachusetts; and observations of the Crab Nebula. Includes speech by NASA Administrator Daniel Goldin re FY1994 NASA budget savings resulting from the restructuring of AXAF. Also contains X-ray photo of Crab Nebula taken by Chandra.		
SPFL-43-B5-F1 5601	<b>File - Advanced Xray Astrophysics Facility (AXAF) Working Group Minutes</b>	1977 - 1986	Location: Box 5
	<i>Scope and content:</i>		

	Contains meeting minutes for Advanced X-ray Astrophysics Facility (AXAF), later renamed the Chandra X-ray Observatory, Working Group re AXAF design; science; instruments; and studies.		
SPFL-43-B5-F2 16761	<b>File - Chandra / AXAF (1990- )</b>	1982 - ?	Location: Box 5
	<i>Scope and content:</i> CONTAINS PRESS RELEASES, NEWS ARTICLES, AND CORRESPONDENCE RE THE ADVANCED X-RAY ASTROPHYSICS FACILITY (AXAF), LATER RENAMED THE CHANDRA X-RAY OBSERVATORY; IMAGES AND DATA GAINED BY AXAF; DEPLOYMENT OF CHANDRA BY STS 93 IN 1999; AND OBJECTIVES ESTABLISHED FOR CHANDRA/AXAF.		
SPFL-43-B5-F3 17442	<b>File - Advanced X-Ray Astrophysics Facility (AXAF) (Chandra) - Briefing - "Mirror Development And Test" September 20, 1991</b>	9/20/1991	Location: Box 5
	<i>Scope and content:</i> Includes photos and artist renderings re the Advanced X-Ray Astrophysics Facility (AXAF), later renamed the Chandra X-Ray Observatory, mirror development and test presentation to Richard N. Malow, Clerk, Subcommittee on VA-HUD Independent Agencies, Appropriations Committee, US House of Representatives.		
SPFL-43-B5-F4 17447	<b>File - AXAF Briefings To The President And Budget Review Board - January 1988</b>	1988	Location: Box 5
	<i>Scope and content:</i> Briefings to the President and Budget Review Board with photos, artist renderings, charts, and graphs re the Advanced X-Ray Astrophysics Facility (AXAF), later renamed the Chandra X-Ray Observatory.		
SPFL-43-B6-F1 5612	<b>File - Advanced Orbiting Solar Observatory (Aoso)</b>	1963 - 1965	Location: Box 6
	<i>Scope and content:</i> Correspondence re the cancellation of the Advanced Orbiting Solar Observatory (AOSO); selection of experiments and contractors for the project; revision of the Project Approval Document (PAD); Project Development Plan (PDP); and procurement plan. Includes press release and news clipping re the cancellation of AOSO; excerpt from the Congressional Record re FY1966 NASA authorization; and illustrations re the AOSO satellite.		
SPFL-43-B6-F2 16760	<b>File - AXAF (Chandra) Brochures And Publications</b>	1986 - 1998	Location: Box 6
	<i>Scope and content:</i> Contains NASA and contractor reports and brochures re Advanced X-Ray Astrophysics Facility (AXAF), later renamed the Chandra X-Ray Observatory. Includes special issue of Astrophysical Letters and Communications, "The Advanced X-Ray Astrophysics Observatory" and NASA EP-251 "AXAF: The Advanced X-Ray Astrophysics Facility".		
SPFL-43-B6-F3 17445	<b>File - Chandra / AXAF -- Reports</b>	1984 - 1995	Location: Box 6
	<i>Scope and content:</i> CONTAINS NASA AND CONTRACTOR BROCHURES RE ADVANCED X-RAY ASTROPHYSICS FACILITY (AXAF), LATER RENAMED CHANDRA X-RAY OBSERVATORY.		
SPFL-43-B6-F4 17446	<b>File - AXAF Assembly Photos</b>	1993	Location: Box 6
	<i>Scope and content:</i>		

	Includes photos re the Advanced X-Ray Astrophysics Facility (AXAF), later renamed the Chandra X-Ray Observatory, assembly; checkout; and launch preparations.		
SPFL-43-B6-F5 18567	<b>File - Chandra / AXAF -- Program Plans And Agreements</b>	1997 - ?	Location: Box 6
	<i>Scope and content:</i> Includes program plans, operating plans, program commitment agreement, and program policy and requirements document for Chandra X-Ray Observatory (formerly Advanced X-Ray Astrophysics Facility AXAF).		
SPFL-43-B6-F6 18883	<b>File - Aeronomy Of Ice In The Mesosphere (Aim)</b>	2002 - ?	Location: Box 6
	<i>Scope and content:</i> Contains news articles and press releases re: Aeronomy of Ice in the Mesosphere (AIM) satellite; and imaging of noctilucent clouds.		
SPFL-43-B7-F1 5605	<b>File - Aeronautical Satellite</b>	1964 - 1991	Location: Box 7
	<i>Scope and content:</i> Contains news articles, press releases, and correspondence re the development of a space based aircraft navigation and communications network; the Global Positioning System (GPS); and the involvement of NASA, the Federal Aviation Administration (FAA), the European Space Research Organization (ESRO), Comsat Corporation, the Canadian Space Agency, and the European Space Agency (ESA) in the development of the Aeronautical Satellite. Includes the 1967 NASA "Summary of the Navigation/Traffic Control Satellite Program".		
SPFL-43-B7-F2 5606	<b>File - Aeronomy Satellite (Aeros) (US-Germany)</b>	1970 - 1972	Location: Box 7
	<i>Scope and content:</i> News clippings, press releases, and correspondence re cooperation between US and West Germany in launch of Aeronomy satellite for atmospheric and solar radiation observation. Includes press kit for Aeronomy launch; and photos re Aeronomy satellite and instrumentation.		
SPFL-43-B7-F3 5807	<b>File - Aquarius Satellite</b>	2002 - ?	Location: Box 7
	<i>Scope and content:</i> Contains news releases and project overview re Aquarius satellite for measuring the surface salinity of earth's oceans.		
SPFL-43-B7-F4 5608	<b>File - Aerosat I &amp; II</b>	1975 - 1976	Location: Box 7
	<i>Scope and content:</i> News clippings re the Aerosat satellite for aircraft ground to air communication and navigation, and project costs. Includes press releases re contractor participation in the European Space Agency's (ESA) Aerosat.		
SPFL-43-B7-F5 5609	<b>File - Satellites: Alouette</b>	1962 - 1972	Location: Box 7
	<i>Scope and content:</i> News clippings and press releases re the Canadian Alouette satellite 10th anniversary, extended mission, upper atmosphere and magnetic field research, and double-checking of results by sounding rockets. Includes Canadian newspaper coverage of the Alouette launch; Alouette press kit; and correspondence re launch preparations and NASA support, tracking and data acquisition, and project summary. Also includes photos re Alouette satellite, launch, and project scientists.		

SPFL-43-B7-F6 5610	<b>File - Agristars</b>	1979 - 1984	Location: Box 7
<p><i>Scope and content:</i></p> <p>Correspondence re the FY1984 NASA phase-out of the Agriculture and Resource Inventory Survey Through Aerospace Remote Sensing (AgRISTARS) satellites; cooperation between NASA, the Department of Agriculture (DOA), National Oceanic and Atmospheric Administration (NOAA), Department of the Interior (DoI), and the Agency on International Development (AID); and the interaction between LandSat and AgRISTARS satellites.</p>			
SPFL-43-B7-F7 5611	<b>File - Satellites: Aeros (Early Meterological Satellite Concept)</b>	1962	Location: Box 7
<p><i>Scope and content:</i></p> <p>News clipping re the beginning of the Aeros weather observation satellite project; and photos re the Aeros satellite.</p>			
SPFL-43-B7-F8 5744	<b>File - Array Of Low Energy X-Ray Imaging Sensors (Alexis) Satellite</b>	1994 - 2005	Location: Box 7
<p><i>Scope and content:</i></p> <p>Contains news articles and press releases re the Array of Low Energy X-ray Imaging Sensors (ALEXIS) satellite; mission; and loss of contact with satellite.</p>			
SPFL-43-B8-F1 5613	<b>File - American Satellite Corporation 1 (Asc 1) Satellite</b>	1983 - 1985	Location: Box 8
<p><i>Scope and content:</i></p> <p>Includes news articles and press releases re the American Satellite Corporation (ASC) 1 communications satellite and its deployment from Space Shuttle STS 51I. Includes photos re the satellite's release from the Space Shuttle's cargo bay.</p>			
SPFL-43-B8-F2 5614	<b>File - Active Magnetospheric Particle Tracer Explorer (AMPTE)</b>	1976 - 1985	Location: Box 8
<p><i>Scope and content:</i></p> <p>Includes news clippings and press releases re US, United Kingdom (UK), and West German collaborative effort on Active Magnetospheric Particle Tracer Explorer (AMPTE) to observe interaction of solar wind and earth's magnetic field; artificial comets. Includes NASA Educational Publication EP215; "AMPTE"; Goddard Space Flight Center (GSFC) report re AMPTE program and spacecraft; and papers from American Geophysical Union meeting re outcomes of AMPTE investigations. Also includes photos re AMPTE launch; and signing of Memorandum of Understanding (MOU) between NASA and West Germany.</p>			
SPFL-43-B8-F3 5615	<b>File - Telesat (Canadian)</b>	1972 - 1976	Location: Box 8
<p><i>Scope and content:</i></p> <p>News clippings re Canadian Anik satellites used for improving domestic communications; ownership and operation of Canadian domestic satellites by Telesat; and use of Telesat services in United States. Includes Anik 1 press kit; paper: "The Application of Communication Satellites for Domestic Telecommunications in Canada"; and photos re Anik satellites.</p>			
SPFL-43-B8-F4 5616	<b>File - Anik-2 (Canadian Comsat, 1973, April 20)</b>	1973 - 1975	Location: Box 8
<p><i>Scope and content:</i></p> <p>Press releases and news clippings re launch of Telesatb Canada's Anik 2 satellite by NASA; use of satellite communications to improve Canadian domestic communications; and use of Anik services in US. Includes photos re the Anik 2 launch.</p>			

SPFL-43-B8-F5 5617	<b>File - Anik B (Telesat D: 78-116a 15 Dec.)</b>	1977 - 1986	Location: Box 8
	<i>Scope and content:</i> Includes news articles re Telesat/Canada's Anik B satellite and use for telecommunications in Canada; and press kit re Anik B launch performed by NASA's Delta launch vehicle. Includes photos re the Anik B launch.		
SPFL-43-B8-F6 5618	<b>File - Telesat-C Anik 3 (Canadian)</b> <b>1975-038a</b>	1973 - 1982	Location: Box 8
	<i>Scope and content:</i> Contains news articles re launch of Telesat/Canada's Anik 3 communications satellite and its use in Alaska; press releases and press kit re launch of Anik 3 by NASA's Delta launch vehicle, flight events, tracking and data operations, and Telesat and Delta teams.		
SPFL-43-B8-F7 5619	<b>File - Anik US And Telesat/Canada</b> <b>Launch Agreement</b>	1980 - 1982	Location: Box 8
	<i>Scope and content:</i> Agreements between NASA and Telesat/Canada re the launch of the Anik c, Anik D, and Anik D1 communications satellites.		
SPFL-43-B8-F8 5621	<b>File - Anik C-1 Telesat I</b>	1984 - 1985	Location: Box 8
	<i>Scope and content:</i> News clippings and NASA Daily Activities Reports re Telesat/Canada's Anik C1 communications satellite and its deployment from Space Shuttle STS 51D; and press releases re the STS 51D mission and payload assignments. Includes photos re the deployment of Anik C1.		
SPFL-43-B8-F9 5622	<b>File - Canada Anik c</b>	1977 - 1982	Location: Box 8
	<i>Scope and content:</i> News clippings re the deployment of Telesat Canada's Anik C3 communications satellite by Space Shuttle STS 5; correspondence re Telesat Canada's launch requirements, and the transition from the Delta launch vehicles to Space Shuttle launches. Includes photos re STS 5 mission control and Anik C3 launch preparations.		
SPFL-43-B8-F10 5623	<b>File - Canada Anik D (Telesat-F) (August</b> <b>26, 1982)</b>	1979 - 1982	Location: Box 8
	<i>Scope and content:</i> News clippings and press releases re launch of Telesat -- Canada's Anik D1 communications satellite by NASA's Delta launch vehicle; and Hughes Aircraft Company brochure re Anik communications satellites. Includes photos re Anik D1 and Delta launch vehicle launch preparations.		
SPFL-43-B9-F1 5620	<b>File - Anik C-2 (STS-7 Launch)</b>	1983 - 1988	Location: Box 9
	<i>Scope and content:</i> Contains news articles and photos re the deployment of the Anik C-2 communications satellite from the Space Shuttle STS 7 mission; and deorbit of Anik C-2.		
SPFL-43-B9-F2 5624	<b>File - Anik D2 (Telesat) STS 51a Launch</b>	1982 - 1984	Location: Box 9
	<i>Scope and content:</i> News clippings and press releases re the deployment of Telesat Canada's Anik D2 communications satellite from Space Shuttle STS 51A; and a photos of the Anik satellite.		

SPFL-43-B9-F3 5625	<b>File - Telesat E, F, &amp; G (Canada) Anik</b>	1977 - 1998	Location: Box 9
<p><i>Scope and content:</i></p> <p>Includes news articles and press releases re the repair of problems with the Anik E2 communications satellites; and assignment of Telesat/Canada satellites to Space Shuttle flights. Includes press release re the signing of a launch services agreement between NASA and Telesat/Canada; photos re the Anik satellites; and an Anik E communications satellite sticker.</p>			
SPFL-43-B9-F4 5626	<b>File - Astronomical Netherlands Satellite 1 (Ans 1) 1974-070a</b>	1970 - 1978	Location: Box 9
<p><i>Scope and content:</i></p> <p>News clippings, press releases, and correspondence re the Astronomical Netherlands Satellite (ANS) X-ray astronomy and cosmic dust investigations; European Space Research Organization (ESRO) tracking of ANS; and the signing of a launch agreement between NASA and the Netherlands. Includes press kit re ANS science investigations, Scout launch vehicle, and program and project management; and photos re the ANS.</p>			
SPFL-43-B9-F5 5627	<b>File - Advanced Technology Satellites (General)</b>	1962 - 1970	Location: Box 9
<p><i>Scope and content:</i></p> <p>News clippings and press releases re the NASA Advanced Technology Satellites (ATS) for the testing of spacecraft in a synchronous orbit; ATS contract awards; FY1970 satellite program costs; satellite design; and satellite applications for weather observation, communications, navigation, military uses, and remote sensing. Includes transcript of a press conference re the ATS objectives including in-flight tests of technology for satellite applications, stationary orbit, design, and experiments; scientific investigations; and tracking. Also includes testimony of Morris Tepper before the House Committee on Science and Astronautics re NASA satellite applications in weather observation, communications, and navigation; and brochures, reports, and periodicals re satellite applications. Includes photo taken by ATS of the earth; and ATS satellites.</p>			
SPFL-43-B9-F6 5628	<b>File - ATS Documentation (1 Of 2)</b>	1964 - 1970	Location: Box 9
<p><i>Scope and content:</i></p> <p>Includes correspondence from the Office of Space Science and Applications re the Applications Technology Satellites (ATS) 1, 2, 3, 4, and 6 re procurement; experiments and payload selection; weather observations and hurricane warnings; positioning of satellites; scheduling of launches; support to Apollo communications and broadcasts of the Apollo 10 recovery; cameras; back-up telecommunications support; weather observation for the Vietnam War; military uses; Atlas-Centaur launch vehicle review; Project Approval Document (PAD); tracking and ground support; and support for the Orbiting Geophysical Observatory (OGO).</p>			
SPFL-43-B9-F7 5807	<b>File - Aquarius Satellite</b>	2002 - ?	Location: Box 9
<p><i>Scope and content:</i></p> <p>Contains news releases and project overview re Aquarius satellite for measuring the surface salinity of earth's oceans.</p>			
SPFL-43-B10-F1 5629	<b>File - Applications Technology Satellite Demo (7/1974)</b>	1974	Location: Box 10
<p><i>Scope and content:</i></p> <p>Photos re the demonstration of the Applications Technology Satellites (ATS).</p>			
SPFL-43-B10-F2 5630	<b>File - Documentation (ATS) (2 Of 2)</b>	1964 - 1972	Location: Box 10

	<i>Scope and content:</i> Contains correspondence re Applications Technology Satellites (ATS) procurement approaches and plans; Project Approval Document (PAD); scientific objectives and experiments in communications, weather observation, navigation, and air traffic control; educational uses; ATS 4 satellite and Centaur launch vehicle failure; involvement of India, Japan, the US Geological Survey (USGS), and Department of Defense (DoD); ground support and tracking stations; contractors; possible uses in Gemini and Apollo programs; construction of antennas and motors by Goddard Space Flight Center (GSFC); name change from Advanced Technology Satellite (ATS) to Applications Technology Satellites (ATS); satellite frequency assignments; and use by military in Vietnam War.		
SPFL-43-B10-F3 5632	<b>File - ATS 1 Press Kit</b>	1966	Location: Box 10
	<i>Scope and content:</i> Applications Technology Satellite (ATS) 1 press kit re the communications, weather observation, technology, and scientific experiments; electrical, command and telemetry, and reaction control subsystems; ground stations and tracking; Atlas-Agena launch vehicle; and the ATS 1 team and subcontractors.		
SPFL-43-B10-F4 5633	<b>File - ATS 1 Newspaper Clippings</b>	1966 - 1991	Location: Box 10
	<i>Scope and content:</i> News clippings re the shut-down of the Applications Technology Satellite (ATS) 1 and its impact on Pacific region communications; Pan-Pacific Educational and Cultural Experiments by Satellite (PEACESAT); and the use of ATS 1 for sailor's aid, medical communications in Alaska, educational broadcasts in Hawaii, magnetic field observation, aircraft navigation, and weather observation.		
SPFL-43-B10-F5 16511	<b>File - Ata-B (ATS 1) Operations Plan</b>	Nov-66	Location: Box 10
	<i>Scope and content:</i> Includes Goddard Space Flight Center (GSFC) report re ATS 1 (ATS-B) satellite "NASA-GSFC Operations Plan 13-66 Applications Technology Satellite (ATS-B)".		
SPFL-43-B11-F1 5631	<b>File - ATS 1</b>	1965 - 2006	Location: Box 11
	<i>Scope and content:</i> Includes press releases re Applications Technology Satellite (ATS) 1; termination of satellite's communications; position over Pacific Ocean for weather observation and communications; use by medical community in Alaska; participation in first world-wide live television broadcast; 40th anniversary of launch; and experiment opportunities. Includes correspondence re ATS 1 experiment procurement and selection; launch schedule; cooperation with Department of Defense (DoD); and communications support to Hawaii. Also includes photos re earth and weather patterns; ATS 1 launch; and ground stations in Alaska.		
SPFL-43-B11-F2 5634	<b>File - ATS 2</b>	1967	Location: Box 11
	<i>Scope and content:</i> Includes Applications Technology Satellite (ATS) 2 photos re inspection of ATS 2 antenna and spacecraft; and press release re Lewis Research Center (LeRC) involvement in ATS 2 mission.		
SPFL-43-B11-F3 5635	<b>File - ATS 2 Press Kit</b>	1967	Location: Box 11
	<i>Scope and content:</i>		

	Applications Technology Satellite (ATS) 2 re the gravity gradient stabilization, communications, weather observation, and scientific experiments; spacecraft design and systems; ground stations and tracking support; ATS 1 satellite results; Atlas-Agena launch vehicle; and the ATS 2 team and subcontractors.		
SPFL-43-B11-F4 5636	<b>File - ATS 2 Newspaper Clippings</b>	1967	Location: Box 11
	<i>Scope and content:</i> News clippings re the Applications Technology Satellite (ATS) 2, tests of the scientific experiments, launch preparations, and the misfire of a rocket engine placing the satellite in the wrong orbit.		
SPFL-43-B11-F5 5637	<b>File - ATS-3 (November 5, 1967)</b>	1967 - 1985	Location: Box 11
	<i>Scope and content:</i> Press releases re the Applications Technology Satellite (ATS) 3 support to earthquake rescue efforts in Mexico, Jacques Cousteau's oceanographic research, rainfall measurements, public television transmission, and transmission of Apollo 7 pictures; solar eclipse observations; problems with the antenna; and experiment opportunities. Includes correspondence re Advanced Research Projects Agency (ARPA) participation with ATS 3, navigation and air traffic control support, and hurricane alerts; and the transcript of a press conference with Jacques Cousteau re the use of ATS 3 for communications. Includes photos of the ATS 3 launch; the portable remote communications system; and the earth as photographed by ATS 3.		
SPFL-43-B11-F6 5638	<b>File - ATS 3 Press Kit</b>	1967	Location: Box 11
	<i>Scope and content:</i> Applications Technology Satellite (ATS) 3 press kit re the ATS program; ATS 3 spacecraft structure and thermal control, reaction control, command and telemetry, and electrical power subsystems; ground stations and tracking; weather observations, communications, and technological experiments; Atlas-Agena launch vehicle; and the ATS 3 team.		
SPFL-43-B11-F7 5639	<b>File - ATS 3 Newspaper Clippings</b>	1967 - 1988	Location: Box 11
	<i>Scope and content:</i> News clippings and press releases re the Applications Technology Satellite (ATS) 3 for satellite communications with Antarctica and the Pacific region; international transmission of weather photos; communications for seafaring vessels; educational uses; tornado warnings; and television broadcasts. Includes news clippings and press releases re cooperation between NASA and the Environmental Science Service Administration (ESSA), ground station in Bogota, Colombia, and ATS 3 launch.		
SPFL-43-B11-F8 5640	<b>File - ATS 4</b>	1964 - 1968	Location: Box 11
	<i>Scope and content:</i> Contains correspondence re failure of Applications Technology Satellite (ATS) 4 Atlas-Centaur launch vehicle; selection of contractors and experiments; mission planning; and Department of Defense (DoD) participation. Includes photos re ATS 4 launch and satellite. Also includes press releases re ATS 4 electric engine and launch of ATS 4 satellite.		
SPFL-43-B11-F9 5641	<b>File - ATS 4 Press Kit</b>	1968	Location: Box 11
	<i>Scope and content:</i> Applications Technology Satellite (ATS) 4 press kit re the gravity gradient stabilization, microwave communications, camera, and ion engine propulsion experiments; reaction control subsystems; Atlas-Centaur launch vehicle; and the ATS 4 team.		

SPFL-43-B11-F10 5642	<b>File - ATS 4 Newspaper Clippings</b>	1967 - 1968	Location: Box 11
<p><i>Scope and content:</i></p> <p>Contains news articles re the Applications Technology Satellite (ATS) 4 ion engine propulsion experiment; the positioning of ATS 4 so that its camera always faces the earth; and the Atlas-Centaur launch vehicle failure and investigation.</p>			
SPFL-43-B11-F11 5643	<b>File - ATS-5</b>	1968 - 1971	Location: Box 11
<p><i>Scope and content:</i></p> <p>Contains news articles and press releases re Applications Technology Satellite (ATS) 5 experiments in aircraft positioning; correction of an incorrect spin mode; microwave communications experiments; and primary objectives of ATS 5. Includes photos re ATS 5 and Atlas-Centaur launch vehicle. Also contains correspondence re ATS 5 objectives and possibility of using remote maneuvering teleoperator (RMT) to repair ATS 5.</p>			
SPFL-43-B11-F12 5644	<b>File - ATS-5 Press Kit</b>	1969	Location: Box 11
<p><i>Scope and content:</i></p> <p>Applications Technology Satellite (ATS) 5 press kit re gravity gradient stabilization and communications experiments; reaction control subsystems; mission events; Atlas-Centaur launch vehicle; the ATS program; and the ATS 5 team.</p>			
SPFL-43-B11-F13 5651	<b>File - ATS-5 Newspaper Clippings</b>	1968 - 1970	Location: Box 11
<p><i>Scope and content:</i></p> <p>Includes news clippings re the launch of the Applications Technology Satellite (ATS) 5 and attempts to repair and control its spin mode.</p>			
SPFL-43-B12-F1 5652	<b>File - ATS-6 30 May 1974 1974-039a</b>	1968 - 1985	Location: Box 12
<p><i>Scope and content:</i></p> <p>News clippings and press releases re Applications Technology Satellite (ATS) 6 for communications, navigation, weather observation, and scientific experiments; NASA cooperation with Agency on International Development (AID), India, and Department of Health, Education, and Welfare (HEW); application of ATS 6 for educational, health, ship-to-shore communications, and air traffic control purposes; interference with radio astronomy frequencies; support to Apollo Soyuz Test Project (ASTP); experiment proposals; electric ion propulsion engines; ATS program costs; switch of prime contractor from General Electric (GE) Corporation to Fairchild Industries Incorporated; and NASA satellite tracking networks. Includes correspondence re ATS 6 contractor selection; communications experiments; Titan launch vehicle configuration; Memorandums of Understanding (MOU) between NASA and the Indian government; and positioning of ATS 6 satellite. Also includes testimony of Helen Christy Cannon before House Committee on Science and Technology re use of ATS 6 by medical community in Alaska and by Arnold W. Frutkin before House Subcommittee on National Security Policy and Scientific Development re NASA's cooperation with India. Includes transcript of press conference re ATS 6 applications to health and education; NASA Office of Space Science (OSS) "Summary of the ATS F &amp; G [ATS 6] Project"; papers from UN Conference on Exploration and the Peaceful Uses of Outer Space re applications of satellite technology to developing countries; and Fairchild Industries brochures re communications satellites. Also includes photos and illustrations re ATS-6 satellite.</p>			
SPFL-43-B12-F2 5653	<b>File - ATS-F Correspondence</b>	1967 - 1974	Location: Box 12
<p><i>Scope and content:</i></p>			

	Contains correspondence re the Applications Technology Satellite (ATS) 6; contract negotiations and procurement; replacement of General Electric (GE) Corporation by Fairchild Industries as the prime contractor; antenna development; meteorology and navigation experiments; satellite positioning; camera and optical subsystems; assignment of primary responsibility to Goddard Space Flight Center (GSFC); frequency assignments; ground station support; NASA and Indian government television experiment; experiments by the Department of Health, Education, and Welfare; Project Approval Document (PAD); and Congressional inquiries about ATS 6 experiments and procurement.		
SPFL-43-B12-F3 5654	<b>File - ATS-6 (F) Press Kit</b>	1974	Location: Box 12
	<p><i>Scope and content:</i></p> <p>Applications Technology Satellite (ATS) 6 press kit re the ATS program; the ATS 6 spacecraft's instrumentation, communications, attitude control and positioning, power, and telemetry and command; and communications experiments. Includes a map of the ATS 6 launch trajectory ground track and time line. Also contains ATS 6 Data Book.</p>		
SPFL-43-B13-F1 5655	<b>File - ATS 6 Publications</b>	1968 - 1976	Location: Box 13
	<p><i>Scope and content:</i></p> <p>NASA Contractor Report CR135057: "Compendium of Applications Technology Satellite User Experiments, 1967-1973"; and manuscripts from the Program of Policy Studies in Science and Technology at the George Washington University: "Community Broadcast Satellites (Applications Technology Satellite F and G) for Instructional Television in the Developing Countries" and "Broadcast Satellite System for India: A Policy Study of Socio-Economic and Political Benefits and Problem Areas".</p>		
SPFL-43-B13-F2 5656	<b>File - ATS-6</b>	1974	Location: Box 13
	<p><i>Scope and content:</i></p> <p>Applications Technology Satellite (ATS) 6 press releases re launch of ATS 6 communications satellite; and illustration re ATS 6 deployment sequence.</p>		
SPFL-43-B13-F3 5657	<b>File - ATS G (VII) Cancelled 1/5/73 ...</b>	1968 - 1974	Location: Box 13
	<p><i>Scope and content:</i></p> <p>News clippings and press releases re the replacement of the Applications Technology Satellite (ATS) 6 for health and education communication services; FY1974 phase out of its communications satellites program; investigation and re-opening of the contract selection process between General Electric (GE) Corporation and Fairchild Industries Incorporated; and the ATS 6 laser communications experiment. Includes correspondence re the ATS F and G (ATS 6) procurement controversy; cost estimates; and experiments involving weather observation, cosmic rays, and laser communications. Also includes testimony of James Fletcher and Charles Mathews before the Senate Committee on Aeronautical and Space Sciences re appropriations for a seventh ATS launch; statements by NASA Administrator Thomas Paine and by GE re the General Accounting Office (GAO) review of the ATS F &amp; G procurement process; and report of the Procurement Review Committee: "Reconsideration of the Selection of a Contractor for the ATS F and G Program". Includes illustrations re the ATS F and G satellite.</p>		
SPFL-43-B13-F4 5658	<b>File - ATS-h</b>	1966 - 1974	Location: Box 13
	<p><i>Scope and content:</i></p> <p>Correspondence re an Office of Space Science and Applications (OSSA) proposed FY1973 new start for an Applications Technology Satellite (ATS) H and I for communications, earth observation, and scientific investigations; and the lack of funding for a seventh ATS. Includes a news clipping re the study of an advanced ATS communications satellite; and a Goddard Space Flight Center (GSFC) publication: "The Feasibility of a Direct Relay of Apollo Spacecraft Data Via a Communication Satellite".</p>		

SPFL-43-B13-F5 5659	<b>File - ATS-i</b>	1972	Location: Box 13
	<i>Scope and content:</i> News clipping re the study of a Lewis Research Center (LeRC) study of an advanced Applications Technology Satellite (ATS) H and I for communications.		
SPFL-43-B13-F6 5662	<b>File - Ariel I Press Kit</b>	1962	Location: Box 13
	<i>Scope and content:</i> Press releases and press kit re the joint US and United Kingdom (UK) atmospheric research satellite, and the participating British scientists and experiments.		
SPFL-43-B13-F7 5663	<b>File - Ariel I Newspaper Clippings</b>	1962 - 1979	Location: Box 13
	<i>Scope and content:</i> Includes news articles re the joint US and United Kingdom (UK) atmospheric research satellite, Ariel 1, and its investigations and results.		
SPFL-43-B13-F8 5664	<b>File - Ariel I (NASA Sp-43)</b>	1963	Location: Box 13
	<i>Scope and content:</i> NASA Special Publication SP43: "Ariel I, the First International Satellite"; and Goddard Space Flight Center (GSFC) publication: "The Ariel I Satellite" re the spacecraft's instrumentation and electronic sub-systems.		
SPFL-43-B14-F1 5661	<b>File - Ariel I</b>	1959 - 1967	Location: Box 14
	<i>Scope and content:</i> Contains news articles, press releases, and correspondence re the US and United Kingdom (UK) Ariel 1 international ionosphere satellite, the first international satellite. Includes the transcript of a press conference re the Ariel 1 satellite program; NASA Headquarters Historical Note HHN74: "Ariel I: An Experiment in International Cooperation"; and Goddard Space Flight Center (GSFC) report: "Environmental Exposures and Tests for Subassemblies of International Ionosphere Satellite S-51". Includes photos re the Ariel 1 satellite and its launch by the Thor-Delta launch vehicle; logo of the US-UK cooperative space program; and British and NASA scientists involved with Ariel 1.		
SPFL-43-B14-F2 5665	<b>File - Satellites Ariel II</b>	1961 - 1964	Location: Box 14
	<i>Scope and content:</i> Contains news clippings and press releases re the launch of the joint NASA and United Kingdom (UK) Ariel 2 satellite for atmospheric observation of the effects of solar radiation on the ionosphere. Includes correspondence re NASA and UK Ariel working groups. Also contains photos re the Ariel 2 satellite testing, instrumentation, experiments, and launch; and the NASA-UK pre-launch reception.		
SPFL-43-B14-F3 5666	<b>File - Satellites Ariel III</b>	1963 - 1969	Location: Box 14
	<i>Scope and content:</i> Contains news clippings re the joint NASA and United Kingdom (UK) Ariel 3 satellite for atmospheric observation and its design, experiments, and launch. Includes press kit re Ariel 3 scientific experiments, spacecraft and subsystems, tracking and data acquisition, Scout launch vehicle, and UK and NASA team members. Contains photos re the Ariel 3 satellite.		
SPFL-43-B14-F4 5667	<b>File - Ariel-4 (UK-US Co-Op Satellite)</b>	1968 - 1978	Location: Box 14

	<i>Scope and content:</i> Contains news articles re the joint NASA and United Kingdom (UK) Ariel 4 satellite for atmospheric research. Includes correspondence re the Memorandum of Understanding between NASA and the British Science Research Council. Contains press kit re the Ariel 4 satellite's experiments; investigators; Scout launch vehicle; and Ariel project key personnel. Also includes photos re the Ariel 4 satellite.		
SPFL-43-B14-F5 5668	<b>File - Ariel 5 (UK 5)</b>	1970 - 1980	Location: Box 14
	<i>Scope and content:</i> Contains news articles and press releases re joint NASA and United Kingdom (UK) Ariel 5 x-ray astronomy satellite; observations of cosmic ray activity; launch from Western Test Range (WTR); and signing of cooperative agreement between NASA and British Science Research Council. Includes Ariel 5 press kit re US and UK cooperation, Ariel 5 spacecraft and systems; x-ray astronomy investigations, Scout launch vehicle, and project personnel; and photos re Ariel 5 launch.		
SPFL-43-B14-F6 5669	<b>File - Ariel 6 (UK-6) Jun 2, 1979 79-047a</b>	1979 - 1990	Location: Box 14
	<i>Scope and content:</i> Contains news clippings and press releases re joint NASA and United Kingdom (UK) Ariel 6 satellite for astrophysical investigations; observations of cosmic ray and x-ray activity; and final earth satellite launching from Wallops Island, Virginia. Includes Ariel 6 press kit re astrophysics investigations, Scout launch vehicle, and mission profile. Also includes photos re Ariel 6 satellite and sticker re 100th launch by Scout launch vehicle.		
SPFL-43-B14-F7 5671	<b>File - Astro Observatory</b>	1985 - 1994	Location: Box 14
	<i>Scope and content:</i> Contains news clippings re the second Space Shuttle flight for the Astro Ultraviolet Observatory; and press release re the Astro Ultraviolet Observatory astrophysics investigations utilizing the Hopkins Ultraviolet Telescope (HUT), the Ultraviolet Imaging Telescope (UIT), and the Wisconsin Ultraviolet Photopolarimeter Experiment (WUPPE). Includes Marshall Space Flight Center (MSFC) and NASA publications: "Astro: A New Observatory for Ultraviolet Astronomy" and "Astro: Exploring the Invisible Universe of Ultraviolet and Xray Astronomy".		
SPFL-43-B15-F1 5672	<b>File - ATLAS-1 (STS-45) (March 1992)</b>	1990 - ?	Location: Box 15
	<i>Scope and content:</i> News clippings re the results of the Atmospheric Laboratory for Applications and Science (ATLAS) 1 investigations in atmospheric and solar sciences, space plasma physics, and astronomy while on board the Space Shuttle STS 45 mission; and the role of the European Space Agency (ESA) in ATLAS 1 investigations. Includes brochures re the ATLAS series of laboratories; NASA Educational Publication EP282: "Earth's Mysterious Atmosphere: ATLAS 1 Teacher's Guide..."; and STS 45 press kit. Also includes a photo re ATLAS 1 pre-flight assembly and testing.		
SPFL-43-B15-F2 5673	<b>File - Atmospheric Magnetospheric &amp; Plasmas In Space (Amps)</b>	1974 - 1983	Location: Box 15
	<i>Scope and content:</i> Contains news articles re the Atmospheric, Magnetospheric, and Plasmas in Space (AMPS) Laboratory, later the Active Magnetospheric Particle Tracer Explorer (AMPTE); and atmospheric research. Includes correspondence re the delegation of responsibility for AMPS within NASA; and photos and illustrations re AMPS payloads.		
SPFL-43-B15-F3 5674	<b>File - AZUR (German-US)</b>	1966 - 1970	Location: Box 15

	<i>Scope and content:</i> Contains news articles, press kit, and brochure re the AZUR German Research Satellite (GRS), the first satellite built in Germany. Includes the Memorandum of Understanding (MOU) between the German Ministry for Scientific Research and NASA.		
SPFL-43-B15-F4 5675	<b>File - Satellites Beacon</b>	1959 - 1962	Location: Box 15
	<i>Scope and content:</i> Includes news clippings re the Beacon satellite to study air density in space, and its failure to achieve orbit.		
SPFL-43-B15-F5 5677	<b>File - Biosatellite Documentation</b>	1961 - 1970	Location: Box 15
	<i>Scope and content:</i> Correspondence re NASA's Biosatellite Project; tracking and data acquisition support; satellite recovery and rescue; design and testing of the spacecraft; FY1966, FY1967, and FY1970 project funding and costs; radiation safety analysis; Program Evaluation and Review Technique (PERT) and program management; spacecraft fuel cells; status reports NASA Bioscience Program; selection of experiments; revision of the Project Approval Document (PAD); selection of participating primates; and the death of the monkey Bonny.		
SPFL-43-B15-F6 5959	<b>File - Beyond Einstein</b>	2007 - ?	Location: Box 15
	<i>Scope and content:</i> Contains news articles, press releases, and report re the Beyond Einstein program and missions to study black holes, dark energy, and the big bang.		
SPFL-43-B15-F7 6631	<b>File - ATLAS-2 (STS 56) (April 1993)</b>	1993	Location: Box 15
	<i>Scope and content:</i> News clippings and press releases re the Atmospheric Laboratory for Applications and Science (ATLAS) 2 mission to measure global ozone levels, the earth's atmospheric composition, and the effects of sunlight on ozone depletion; Space Shuttle STS 56 mission; European Space Agency (ESA) participation in the ATLAS 2 mission; problems with the transmittal of ATLAS 2 ozone depletion data; Mission to Planet Earth; STS 56 launch; and STS 56 astronaut Ellen Ochoa. Includes photo re the placement of ATLAS-2 in the STS 56 cargo bay.		
SPFL-43-B15-F8 11051	<b>File - ATLAS-03 (November 1966) (STS-66)</b>	1993 - 1995	Location: Box 15
	<i>Scope and content:</i> Contains news articles and press releases re the STS 66/Atmospheric Laboratory for Applications and Science (ATLAS) 3 mission; release of the Cryogenic Infrared Spectrometers and Telescopes for the Atmosphere (CRISTA)-Space Shuttle Pallet Satellite (SPAS); and measurements of the earth's ozone layer. Includes ATLAS 3 brochures. Also includes photos re the ATLAS 3 payload; and the STS 66 crew. Includes STS 66 mission patch.		
SPFL-43-B15-F9 11285	<b>File - STS 67 Astro-2</b>	1991 - 1995	Location: Box 15
	<i>Scope and content:</i> News clippings and press releases re the STS 67 Astro 2 mission and crew; and Hopkins Ultraviolet Telescope (HUT), Ultraviolet Imaging Telescope (UIT), and Wisconsin Ultraviolet Photopolarimeter Experiment (WUPPE) ultraviolet images of the Moon, supernovas, quasars, and exploded stars.		
SPFL-43-B16-F1 5676	<b>File - Satellites: Bio-Satellites</b>	1963 - 1992	Location: Box 16

	<p><i>Scope and content:</i></p> <p>News clippings and press releases re the NASA Biosatellite project and the study of the effects of weightlessness on primates; US and Russian cooperation on biomedical research; use of animals for scientific investigations; project costs; death in space of the primate Bonny; recommendation by Dr. Christian Barnard to study the body's tissue rejection mechanism in space; and the selection of Biosatellite experiments. Includes a report by the House Subcommittee on Space Science and Applications re the future of NASA's Bioscience Program; "NASA Facts" publication re the Biosatellites; and paper by Dale Jenkins: "The NASA Biosatellite Program". Includes photos and illustrations re the Biosatellite mission profile, spacecraft configuration, and experiments.</p>		
SPFL-43-B16-F2 5678	<b>File - Biosatellite</b>	1961 - 1969	Location: Box 16
	<p><i>Scope and content:</i></p> <p>Contains correspondence from the NASA Office of Space Science and Applications and the Bioscience Program re the Biosatellite project using primates for biomedical research in space; the Biosatellite project organization chart; Biosatellite 3 failure and the death of the monkey Bonny; selection of experiments; spacecraft design and construction by General Electric (GE) Corporation; program costs and FY1966 funding; support from NASA centers; Delta launch vehicle; radiation safety analysis; program management; cancellation of two Biosatellite missions; and the use of animals for scientific research purposes. Includes an Ames Research Center (ARC) report: "Biosatellite Project Experiments, Packages, and Development Efforts". Also contains papers by Vincent DeLiberato: "Design of the Biosatellite Spacecraft" and "The Biosatellite Spacecraft and Missions".</p>		
SPFL-43-B16-F3 5679	<b>File - Biosatellite I</b>	1965 - 1967	Location: Box 16
	<p><i>Scope and content:</i></p> <p>Contains news articles and press releases re reentry of Biosatellite 1; and Biosatellite 1 spacecraft and launch. Also includes photos re Biosatellite 1 launch and launch preparations.</p>		
SPFL-43-B16-F4 5680	<b>File - Bioscience: Bios I</b>	1960 - 1965	Location: Box 16
	<p><i>Scope and content:</i></p> <p>News clippings and press releases re the Biological Investigation of Space (BIOS) spacecraft for the study of the effects of radiation and weightlessness on living matter; and BIOS launch failures. Includes the 1960 "Report of National Aeronautics and Space Administration Bioscience Advisory Committee"; and report: "Project Development Plan. Biological Investigations of Space. Bios" September 1961.</p>		
SPFL-43-B16-F5 5681	<b>File - Biosatellite I Press Kit</b>	1966	Location: Box 16
	<p><i>Scope and content:</i></p> <p>Biosatellite 1 press kit re the spacecraft design; scientific, radiation, and biology experiments; Delta Launch Vehicle; tracking and recovery; flight sequence; and the Biosatellite project team.</p>		
SPFL-43-B16-F6 5682	<b>File - Biosatellite I Newspaper Clippings</b>	1966 - 1967	Location: Box 16
	<p><i>Scope and content:</i></p> <p>News clippings re the Biosatellite 1 life sciences investigations using seeds, plants, and fruit flies; failure of the Biosatellite 1 spacecraft; and the inclusion of monkeys and animal research on future Biosatellite missions.</p>		
SPFL-43-B16-F7 5684	<b>File - Biosatellite II 1967</b>	1967	Location: Box 16
	<p><i>Scope and content:</i></p> <p>Correspondence re the dissemination of the preliminary results of Biosatellite 2 investigations.</p>		

SPFL-43-B16-F8 5686	<b>File - Biosatellite 2 Newspaper Clippings</b>	1967 - 1968	Location: Box 16
	<i>Scope and content:</i> News clippings re the Biosatellite 2 investigations of the effect of radiation and weightlessness on plant and insect life; and spacecraft design.		
SPFL-43-B17-F1 5683	<b>File - Biosatellite II</b>	1967	Location: Box 17
	<i>Scope and content:</i> Press releases and other summaries of the preliminary results of the Biosatellite 2 life sciences investigations; and press release re the early ending of the Biosatellite 2 mission. Includes Biosatellite 2 post-launch Mission Operation Report (MOR); and photos re the Biosatellite 2 launch, recovery, and investigations of the effects of radiation and weightlessness on plants and insects.		
SPFL-43-B17-F2 5685	<b>File - Biosatellite 3 Results</b>	1970 - 1971	Location: Box 17
	<i>Scope and content:</i> Articles reprinted from "Aerospace Medicine" re the results of the Biosatellite 3 investigations of the effects of weightlessness on the monkey Bonny. Includes a "Bibliography of Biosatellite Research".		
SPFL-43-B17-F3 5687	<b>File - Biosatellite III</b>	1968 - 1969	Location: Box 17
	<i>Scope and content:</i> Contains news clippings and press releases re the Biosatellite 3 flight to examine the effects of weightlessness on the monkey Bonny; illness and death of Bonny; early end to the flight; and the applications of the Biosatellite 3 results to spacecraft design and space station construction. Includes photos re Biosatellite 3 launch; monkey Bonny; and Biosatellite 3 launch preparations.		
SPFL-43-B17-F4 5689	<b>File - CAMEO (W/Nimbus 7) 78-098b</b>	1978 - 1980	Location: Box 17
	<i>Scope and content:</i> Contains news clippings and press releases re Project CAMEO (Chemically Active Materials in Orbit), released from the Nimbus 7 satellite's Delta launch vehicle, for the study of the earth's electrical and magnetic fields. Includes Nimbus 7 press kit and correspondence re placing CAMEO aboard Nimbus 7.		
SPFL-43-B17-F5 5690	<b>File - CAMEO</b>	1978	Location: Box 17
	<i>Scope and content:</i> Contains correspondence re Project CAMEO (Chemically Active Materials in Orbit) results; launch operations; possible environmental impact of CAMEO; proposal to place CAMEO on Nimbus 7; and experiments. Includes photos re clouds created by CAMEO.		
SPFL-43-B17-F6 5692	<b>File - Cas-A Eole (US &amp; France Metsat)</b>	1964 - 1971	Location: Box 17
	<i>Scope and content:</i> Contains news clippings and correspondence re joint NASA and French Centre National d'Etudes Spatiales (CNES) Eole weather observation satellite. Includes Eole press kit, and Project Approval Document (PAD). Also includes paper from UN Conference on Exploration and Peaceful Uses of Outer Space: "Le Programme Eole" by Jack Muller; and photos re Eole satellite.		
SPFL-43-B18-F1 5688	<b>File - Clark (As In Lewis And Clark)</b>	1994 - 1998	Location: Box 18
	<i>Scope and content:</i>		

	Contains news articles and press releases re Clark satellite and naming of satellite for Lewis and Clark expedition; cost overruns; Faster, Better, Cheaper; Small Spacecraft Technology Initiative; and cancellation of Clark satellite.		
SPFL-43-B18-F2 5691	<b>File - COLD-SAT Satellite</b>	1987 - 1989	Location: Box 18
	<i>Scope and content:</i> Contains news articles and press releases re Cryogenic On-orbit Liquid Depot - Storage Acquisition and Transfer (COLD-SAT) satellite; and refueling points between Earth and Mars.		
SPFL-43-B18-F3 5693	<b>File - Comstar D-1</b>	1975 - 2010	Location: Box 18
	<i>Scope and content:</i> Contains press releases and press kit re Comstar communications satellites; and the replacement of the Comstar series by Telstar satellites. Includes Comstar post-launch Mission Operation Report (MOR); COMSAT Corporation brochure re the Comstar series; and photos re the Comstar D-1 launch.		
SPFL-43-B18-F4 5694	<b>File - Comstar D-2</b>	1976	Location: Box 18
	<i>Scope and content:</i> News clippings and press kit re COMSAT Corporation's Comstar D-2 communications satellite. Includes pre-launch and post-launch Mission Operation Report (MOR); and photos re the Comstar D-2 launch.		
SPFL-43-B18-F5 5695	<b>File - Comstar 1-D3 (1978 June 29) 68a</b>	1978 - 1979	Location: Box 18
	<i>Scope and content:</i> News clippings and press releases re the launch of Comsat Corporation's Comstar D3 communications satellite; and the uses of satellite communications. Includes Comstar D3 post-launch and pre-launch Mission Operation Report (MOR); and photos re the Comstar D3 satellite and its launch.		
SPFL-43-B18-F6 5696	<b>File - Comstar D-4</b>	1980 - 1981	Location: Box 18
	<i>Scope and content:</i> Includes news clippings, press releases, and photos re the launch of COMSAT Corporation's Comstar D4 communications satellite.		
SPFL-43-B18-F7 5697	<b>File - Conus (Air Traffic Control Satellite)</b>	1971 - 1976	Location: Box 18
	<i>Scope and content:</i> Contains news clippings and correspondence re the Conus air traffic control satellite and other air traffic control systems.		
SPFL-43-B18-F8 5700	<b>File - Combined Release And Radiation Effects Satellite (CRRES) (NASA/USAF)</b>	1979 - 1992	Location: Box 18
	<i>Scope and content:</i> Contains news clippings and press releases re Combined Release and Radiation Effects Satellite (CRRES) for the study of the effects of radiation on spacecraft electrical systems; releases of barium by CRRES; and cooperation between NASA and the US Air Force (USAF). Includes CRRES press kit re the project's scientific objectives, ground support, Atlas-Centaur launch vehicle, Kennedy Space Center (KSC) operations, spacecraft, science, and launch vehicle management teams, and experiment descriptions. Also includes a NASA informational publication re the CRRES program; and a USAF report by Ruth Liebowitz: "A History of the Space Radiation Effects (SPACERAD) Program for the Joint USAF/NASA CRRES Mission". Includes photos re the CRRES satellite and releases of barium in the atmosphere.		

SPFL-43-B18-F9 17448	<b>File - Constellation-X (X-Ray Observatory)</b> 1999 - ?	Location: Box 18
	<i>Scope and content:</i> Brochures and articles re Constellation-X observatory.	
SPFL-43-B18-F10 18095	<b>File - Cosmic Hot Interstellar Spectrometer (Chips) Satellite</b> 2002 - ?	Location: Box 18
	<i>Scope and content:</i> News clippings and press releases re development and launch of Cosmic Hot Interstellar Spectrometer (CHIPS) satellite or CHIPSat; and CHIPSat chosen as one of first University-Class Explorers.	
SPFL-43-B18-F11 18502	<b>File - Cloudsat &amp; Calipso</b> 1998 - ?	Location: Box 18
	<i>Scope and content:</i> Contains news clippings and press releases re CloudSat and CALIPSO satellites. Includes press kit and CloudSat CD-ROM.	
SPFL-43-B19-F1 5698	<b>File - COS-B: ESA Satellite (1975)</b> 1970 - 1982	Location: Box 19
	<i>Scope and content:</i> Contains press releases and news clippings re European Space Agency's (ESA) COS-B scientific satellite and satellite closeout; gamma ray astronomy investigations; contract awards; launch; shutdown of satellite; and spacecraft design and characteristics. Includes COS-B press kit and photos. Also contains correspondence re NASA agreement to launch COS-B satellite.	
SPFL-43-B19-F2 5699	<b>File - COSPAS/SARSAT US-Soviet</b> 1981 - 2008	Location: Box 19
	<i>Scope and content:</i> Contains manuscripts re the cooperation between the US and the Soviet Union (USSR) with US Search and Rescue Satellite (SARSAT) and the USSR COSPAS system; rescues made with COSPAS/SARSAT; and the participation of the US Air Force (USAF), US Coast Guard (USCG), and the National Oceanic and Atmospheric Administration (NOAA). Includes hearing before the House Subcommittee on Natural Resources, Agriculture Research and Environment re the US-USSR accord on COSPAS and SARSAT. Also includes news article re replacement of COSPAS and SARSAT by the Global Positioning System (GPS) and Glonass.	
SPFL-43-B19-F3 6145	<b>File - CRRES Documentation</b> 1979 - 1991	Location: Box 19
	<i>Scope and content:</i> Contains correspondence, memoranda, and presentations re Combined Release and Radiation Effects Satellite (CRRES) and experiments; joint project with US Air Force; effects of radiation on electronics; budget; possible launch as Shuttle payload; switch from Shuttle payload to Atlas Centaur following Challenger accident; and design of satellite.	
SPFL-43-B20-F1 5701	<b>File - Direct Broadcast Satellites (Dbs)</b> 1961 - ?	Location: Box 20
	<i>Scope and content:</i> Contains news articles, press releases, and correspondence re Direct Broadcast Satellite (DBS) technology; government studies of DBS; United Nations and DBS; various proposed DBS systems; and industry involvement in the marketing of the technology. Includes a study by the United Nations (UN) Committee on the Peaceful Uses of Outer Space: "The Feasibility of Using DBS for Educational Purposes...". Also contains photos and artists' conceptions re DBS.	
SPFL-43-B20-F2 5745	<b>File - ERTS Photos And Booklets</b> 1972 - 1980	Location: Box 20

	<p><i>Scope and content:</i></p> <p>National Oceanic and Atmospheric Administration (NOAA) "Transition Plan for Civil Operational Land Remote Sensing from Space" re space-based remote sensing, LandSat 3 and 4 satellites, costs and budget estimates, private sector investment and management, expansion of the remote sensing market, international participation, and the legal, legislative, and regulatory aspects of remote sensing. Includes NASA brochure: "Photography from Space to Help Solve Problems on Earth", and Manned Spacecraft Center (MSC) publication: "Earth Resources Program Synopsis of Activity, March, 1970". Also includes LandSat photos; and Earth Resources Technology Satellites (ERTS) 1 photos re agriculture and land use, urban development, oil exploration, and water resources. Includes ERTS 1 photos of Brazil; Florida; St. Louis, Missouri; New Orleans, Louisiana; Sacramento Valley, California; Alaska; Puget Sound, Washington; Columbia River; Canada; Massachusetts, Rhode Island, and Connecticut; Bahamas; New Mexico; Albany, New York; Idaho; Nebraska; Lake Tahoe, California; Colorado River; Salinas Valley, California; and Japan.</p>		
SPFL-43-B20-F3 5768	<b>File - Satellites - Echo (Project Echo)</b>	1957 - 1993	Location: Box 20
	<p><i>Scope and content:</i></p> <p>Contains news articles and press releases re experiments with the Echo inflatable balloon communications satellites; National Advisory Committee for Aeronautics (NACA) communications satellite projects; Advanced Research Projects Agency (ARPA) and NASA joint plans for an inflatable satellite launch; radio communications; and satellite relays for telephone communications. Includes report by the House Select Committee on Astronautics and Space Exploration re authorizations for NASA construction purposes; reprint of a "National Geographic" magazine re "Exploring Tomorrow with the Space Agency"; NASA brochure re the Echo 1 communications satellite; Echo project public information plan; and a sample of the aluminized plastic film used in the construction of inflatable satellites.</p>		
SPFL-43-B20-F4 6183	<b>File - Demonstration Autonomous Rendezvous Technology (Dart) Spacecraft (2004-2006)</b>	2004 - 2006	Location: Box 20
	<p><i>Scope and content:</i></p> <p>Contains news articles and press releases re Demonstration Autonomous Rendezvous Technology (DART) spacecraft and launch delays; launch; attempted rendezvous between Department of Defense (DoD) MUBLCOM satellite and DART; and failure investigation.</p>		
SPFL-43-B20-F5 6189	<b>File - Earth Observing Satellite 1 (Eo-1)</b>	2003 - ?	Location: Box 20
	<p><i>Scope and content:</i></p> <p>Contains news articles and press releases re Earth Observing Satellite 1 (EO-1) and artificial intelligence software.</p>		
SPFL-43-B21-F1 5767	<b>File - Satellites - Echo Photographs</b>	1960 - 1964	Location: Box 21
	<p><i>Scope and content:</i></p> <p>Photos and illustrations re the Echo 1 and Echo 2 communications satellites; satellite launch and separation sequences; radio signal feed from the Echo satellites to antennas; Echo project participants; Echo radio transmitter; Delta launch vehicle flight controller; launch preparation; and the Bell Telephone Laboratories' radio antenna at Holmdel, New Jersey. Includes a sample of the aluminized Mylar film used to fabricate the Echo satellites.</p>		
SPFL-43-B21-F2 5769	<b>File - Documentation Echo</b>	1957 - 1982	Location: Box 21
	<p><i>Scope and content:</i></p>		

	Contains correspondence re NASA FY1959, FY1960, and FY1961 budget for communications satellites, program objectives, and projected costs; Advanced Research Projects Agency (ARPA) and NASA inflatable satellite experiment; Project Echo for the development of reflecting sphere satellites for global communications; Echo tracking operations; analysis of the Shotput sphere micrometeorite cratering; Smithsonian Astrophysical Observatory participation in the Echo project; Echo 2 transmitters; Echo 1 launch; US Postal Service (USPS) experiments with speed mail; description of the passive communication satellite project; Echo 2 satellite public information plan and post-launch report; US and Soviet Union (USSR) Echo 2 experiments; and Echo 2 passes over Jodrell Bank Observatory, England. Includes the Goddard Space Flight Center (GSFC) Echo operation plan re the satellite design, payload, experiments, project organization, communications network, operational control, tracking and telemetry, and project schedules. Also includes a letter from William J. O'Sullivan to Don Murray re experiments with inflatable satellites.		
SPFL-43-B21-F3 5770	<b>File - Echo 1 History (Elder)</b>	1991	Location: Box 21
	<i>Scope and content:</i> Draft copy of "From Behind the Eight-Ball: A History of Echo 1" by Donald C. Elder.		
SPFL-43-B21-F4 5774	<b>File - Echo: Big Shot (1962) Sub-Orbital</b>	1962 - 1964	Location: Box 21
	<i>Scope and content:</i> News clippings and press releases re tests of the Echo inflatable satellite, and the breaking apart of the "Big Shot" Echo balloon. Includes photos re the Echo 2 launch, balloon inflation tests, and the Thor launch vehicle.		
SPFL-43-B22-F1 5771	<b>File - Echo Background And Project Plan</b>	1960	Location: Box 22
	<i>Scope and content:</i> General Electric (GE) Corporation field report re Echo satellite testing in Trinidad; and Echo Project Operations Plans re project organization, satellite communications network, launch operations, and communications experiments. Also includes press releases from miscellaneous Echo project contractors re satellite systems, materials, and construction.		
SPFL-43-B22-F2 5772	<b>File - Echo 1</b>	1960 - 1999	Location: Box 22
	<i>Scope and content:</i> Contains news articles and press releases re the Echo 1 satellite launch, design, payload, and communications experiments; satellite telecommunications; Echo 1 launch statistics; construction of the Echo 1 satellite; relay of message by President Dwight Eisenhower by Echo 1; orbital activities and progress reports; mylar plastic film; satellite communications for speed mail delivery; Soviet Union (USSR) uses of Echo 1; first coast to coast television transmission via satellite; test of the Echo balloons; end of the Echo 1 mission; and the satellite communications industry. Includes transcript of a press conference re the Echo 1 launch and successful communications experiments; testimony of Leonard Jaffe to Congress re NASA's communications satellite programs; a Smithsonian Astrophysical Observatory report: "Experimental and Theoretical Results on the Orbit of Echo 1"; and samples of the Mylar plastic film used in the construction of Echo 1. Includes correspondence re Echo 1 orbital parameters; use of Echo 1 for speed mail delivery; and use of Echo 1 as target for demonstration of satellite tracking by aircraft.		
SPFL-43-B23-F1 5773	<b>File - Satellites Echo 2</b>	1961 - 1964	Location: Box 23
	<i>Scope and content:</i> Contains news clippings and press releases re use of Echo 1 and Echo 2 satellites for US and Canadian geodetic survey; reentry of Echo 2 into earth's atmosphere; Echo 2 communications experiments; and		

	ground observations of Echo 2. Includes Echo 2 photos re Echo 2 satellite and launch. Also contains correspondence re Echo 2 communications experiments between Jodrell Bank and USSR.		
SPFL-43-B23-F2 5775	<b>File - Environmental Research Satellites (Ers)</b>	1964	Location: Box 23
	<i>Scope and content:</i> TRW Incorporated brochure re its environmental research satellites.		
SPFL-43-B23-F3 5776	<b>File - ESRO 1 (Aurorae)</b>	1968 - 1970	Location: Box 23
	<i>Scope and content:</i> News clippings and press releases re the European Space Research Organization (ESRO) and NASA ESRO 1 satellite (also known as Aurorae) for the study of the aurora borealis. Includes correspondence re the ESRO satellites; and photos and illustrations re the testing of the ESRO 1 satellite and the satellite design.		
SPFL-43-B23-F4 5777	<b>File - ESRO 1 Press Kit</b>	1968	Location: Box 23
	<i>Scope and content:</i> European Space Research Organization (ESRO) 1 satellite press kit re the Memorandum of Understanding (MOU) between ESRO and NASA; ESRO 1 experiments; spacecraft configuration; Scout launch vehicle; and ESRO program participants.		
SPFL-43-B23-F5 5778	<b>File - ESRO 1 Newspaper Clippings</b>	1964 - 1968	Location: Box 23
	<i>Scope and content:</i> Includes news articles and press release re the launch of the European Space Research Organization (ESRO) 1 satellite; and the agreement signed between NASA and ESRO covering scientific satellites.		
SPFL-43-B23-F6 5779	<b>File - ESRO-1b (Boreas)</b>	1969 - 1970	Location: Box 23
	<i>Scope and content:</i> News clippings re launch of European Space Research Organization (ESRO) and NASA ESRO 1B satellite (also known as Boreas), failure to reach desired orbit, and reentry into earth's atmosphere. Includes photos re ESRO 1B launch, inspection, and spacecraft configuration. Also contains press kit and status report re ESRO 1B.		
SPFL-43-B23-F7 5780	<b>File - ESRO II-a</b>	1967 - 1968	Location: Box 23
	<i>Scope and content:</i> News clipping re ESRO 2 launch failure; and press kit re joint European Space Research Organization (ESRO) and NASA ESRO 2 satellite, Memorandum of Understanding (MOU) between ESRO and NASA, scientific experiments, spacecraft design and systems, launch vehicle, and program participants. Includes transcript of press briefing re ESRO 2 satellite, and NASA's international cooperative programs. Also includes photos re ESRO 2 satellite and launch.		
SPFL-43-B23-F8 5781	<b>File - ESRO IIB (Iris)</b>	1967 - 1970	Location: Box 23
	<i>Scope and content:</i> Contains news clippings re European Space Research Organization (ESRO) and NASA ESRO 2B satellite, known as Iris, for study of solar and cosmic radiation. Includes press kit re NASA and ESRO Memorandum of Understanding (MOU), ESRO 2B experiments, spacecraft and subsystems, launch vehicle, and ESRO program participants; and photos re ESRO 2B satellite and Scout launch vehicle.		

SPFL-43-B23-F9 5782	<b>File - ESRO Iv</b>	1969 - 1972	Location: Box 23
<p><i>Scope and content:</i></p> <p>News clippings re European Space Research Organization (ESRO) and NASA ESRO 4 satellite and scientific investigations; press kit re ESRO 4 mission, launch vehicle, and program participants. Includes photos re ESRO 4 satellite.</p>			
SPFL-43-B23-F10 6360	<b>File - ESRO I Photos And Scientific Note</b>	1968 - 1970	Location: Box 23
<p><i>Scope and content:</i></p> <p>Contains photos re ESRO 1 launch vehicles and satellites. Also includes ESRO Scientific Note: "The Scientific Experiments of the ESRO-I Satellites".</p>			
SPFL-43-B24-F1 5783	<b>File - Sats: ESSA (General)</b>	1964 - 1967	Location: Box 24
<p><i>Scope and content:</i></p> <p>News clippings and press releases re weather observation satellites, and contract awards for TIROS (Television Infrared Observation Satellite) Operational Satellites (TOS). Includes a Goddard Space Flight Center (GSFC) project proposal re the TOS system objectives, spacecraft and systems, tracking and data acquisition, data handling, communications, NASA involvement, program management, procurement approach, schedule, and manpower, funding, and facilities requirements. Also includes a listing of the Environmental Science Service Administration's (ESSA) Environmental Survey Satellites (ESSA); and photos re TOS satellites.</p>			
SPFL-43-B24-F2 5784	<b>File - ESSA 1 (Tiros Ot-3)</b>	1966	Location: Box 24
<p><i>Scope and content:</i></p> <p>Contains news clippings re the Environmental Science Service Administration's (ESSA) Environmental Survey Satellite (ESSA) 1 for weather observation; and the renaming of the Tiros satellite series as the Tiros Operational Satellite (TOS) system, ESSA satellites. Includes ESSA 1 press kit; and correspondence re the ESSA 1 launch and the beginning of the world's first operational satellite system. Also includes photos re the ESSA 1 satellite; weather observation photos taken by ESSA 1; and an awards presentation by NASA Administrator James Webb to Herbert I. Butler, Morris Tepper, and David S. Johnson.</p>			
SPFL-43-B24-F3 5785	<b>File - ESSA II (Tos Ot-2)</b>	1966	Location: Box 24
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re Environmental Science Service Administration (ESSA) Environmental Survey Satellite (ESSA) 2 for weather observation; tracking of tropical storms and hurricanes; and weather observation technology. Includes press kit and photos re ESSA 2 satellite; and weather observation photos taken by ESSA 2.</p>			
SPFL-43-B24-F4 5786	<b>File - ESSA 3 Satellite</b>	1966	Location: Box 24
<p><i>Scope and content:</i></p> <p>News clippings, press releases, and photos re the launch of the Environmental Science Service Administration (ESSA)'s Environmental Survey Satellite (ESSA) 3 for weather observation; and reports on the testing of the ESSA 3 satellite. Includes correspondence re the ESSA 3 advanced camera system.</p>			
SPFL-43-B24-F5 5787	<b>File - ESSA IV Satellite</b>	1967	Location: Box 24
<p><i>Scope and content:</i></p>			

	Correspondence and photos re launch of Environmental Science Service Administration (ESSA) Environmental Survey Satellite (ESSA) 4 for weather observation and press release re transfer of control of weather observation satellites from NASA to ESSA.
SPFL-43-B24-F6 6458	<b>File - ESRO I-Iv Scout Photos And Negatives</b> 1968 - 1972 Location: Box 24  <i>Scope and content:</i> Contains photos re ESRO 1, 2, 3, and 4 spacecraft; Scout launch vehicle; launch preparations; and launch.
SPFL-43-B25-F1 5788	<b>File - ESSA v</b> 1967 Location: Box 25  <i>Scope and content:</i> Contains press releases re transfer of control of Environmental Survey Satellite (ESSA) 5 from Environmental Science Service Administration (ESSA) to NASA; and successful transmittal of ESSA 5 weather observation photos. Includes report of check-out of ESSA 5 satellite; and photos re ESSA 5 satellite and weather observations.
SPFL-43-B25-F2 5789	<b>File - ESSA Vi</b> 1967 - 1968 Location: Box 25  <i>Scope and content:</i> News clippings, press releases, and photos re launch of Environmental Science Service Administration's (ESSA) Earth Survey Satellite (ESSA) 6 for weather observation; and Delta launch vehicle pre-flight reports.
SPFL-43-B25-F3 5790	<b>File - ESSA VII</b> 1960 - 1969 Location: Box 25  <i>Scope and content:</i> Contains news clippings and press releases re launch of Environmental Science Service Administration's (ESSA) Environmental Survey Satellite (ESSA) 7, and ESSA 7 weather observations and storm warnings. Includes correspondence re investigation of malfunction of ESSA 7 tape recorder and camera; and photos re ESSA 7 satellite.
SPFL-43-B25-F4 5791	<b>File - ESSA VIII</b> 1968 - 1976 Location: Box 25  <i>Scope and content:</i> News clippings and press releases re launch of Environmental Science Service Administration's (ESSA) Environmental Survey Satellite (ESSA) 8; ESSA 8 photographs of forest fires and Hurricane Camille; and support to Apollo 8 launch. Includes correspondence re scheduling of ESSA satellite launches, and ESSA 8's seventh anniversary; and report of testing of Delta launch vehicle. Also includes photos re ESSA 8 satellite.
SPFL-43-B25-F5 5792	<b>File - ESSA IX</b> 1969 Location: Box 25  <i>Scope and content:</i> News clippings and press releases re Environmental Science Service Administration's (ESSA) Environmental Survey Satellite (ESSA) 9 launch, hurricane photos, and difficulties reducing spin rate on ESSA 9. Includes correspondence re scheduling of Tiros Operational Satellite (TOS) launches and RCA Corporation TOS brochure.
SPFL-43-B25-F6 5793	<b>File - Bio-Explorer</b> 1970 Location: Box 25  <i>Scope and content:</i> News clippings re the selection of contractors for the Bio-Explorer satellite.

SPFL-43-B25-F7 5794	<b>File - Earth Physics Satellite (A &amp; B)</b>	1971	Location: Box 25
	<i>Scope and content:</i> Office of Space Science and Applications (OSSA) FY1973 proposed new start for the Earth Physics Satellites (EPS); and illustrations of the EPS to study ocean dynamics, gravity and magnetic fields, and Earth Radiation Budget experiments.		
SPFL-43-B25-F8 5795	<b>File - ESA ExoSat 51a (May 26, 1983)</b>	1974 - 1983	Location: Box 25
	<i>Scope and content:</i> Contains news clippings re European X-ray Observatory Satellite (ExoSat) for cosmic X-ray source and astrophysics investigations, and spacecraft subsystems; and press releases re launch of European Space Agency's (ESA) ExoSat by NASA. Also includes press kit re spacecraft systems, flight and launch operations, ESA management structure, and NASA ExoSat team; and photos re ExoSat launch.		
SPFL-43-B25-F9 6560	<b>File - One Page Summaries Of Advanced Projects</b>	1986 - 1988	Location: Box 25
	<i>Scope and content:</i> Contains one page summaries of advanced satellite and probe missions for X-ray astronomy; ultraviolet astronomy; gamma ray astronomy; infrared astronomy; gravity; earth observation; space telescopes; interferometry; and astrophysics.		
SPFL-43-B26-F1 6721	<b>File - Explorer Satellites Photos And Negatives</b>	1960 - 1968	Location: Box 26
	<i>Scope and content:</i> Contains photos and negatives re Explorers 8, 13, 14, 15, 17, 18, 20, 21, 22, 24, 25, 26, 32, 35, 36, 37, 39, and 40; and launch vehicles.		
SPFL-43-B27-F1 5798	<b>File - Electrodynamic Explorer a</b>	1976	Location: Box 27
	<i>Scope and content:</i> News clippings and press releases re FY1978 NASA funding for space telescopes, the Electrodynamic Explorer Project flight team, and the study of the processes of the earth's magnetosphere.		
SPFL-43-B27-F2 5799	<b>File - Equatorial Ionospheric Irregularity Study Explorer (Equion)</b>	1976	Location: Box 27
	<i>Scope and content:</i> News clipping re the preliminary design study of the Equatorial Ionospheric Irregularity Study Explorer (EQUION).		
SPFL-43-B27-F3 5800	<b>File - Hawkeye Auroral Physics Explorer (Hape)</b>	1976	Location: Box 27
	<i>Scope and content:</i> News clippings re the Hawkeye Auroral Physics Explorer (HAPE) and the study of solar winds, cosmic rays, and their interaction with the magnetosphere.		
SPFL-43-B27-F4 5801	<b>File - High Energy Astrophysics Transient Explorer (Heate)</b>	1976	Location: Box 27
	<i>Scope and content:</i> News clippings re the High Energy Astrophysics Transient Explorer (HEATE) for the study of X-ray and gamma rays sources.		
SPFL-43-B27-F5 5802	<b>File - Low Energy Astrophysics Explorer (Leape)</b>	1976	Location: Box 27

	<i>Scope and content:</i> News clippings re the Low Energy Astrophysics Explorer (LEAPE) for the study of x-rays and energetic ultraviolet rays.
SPFL-43-B27-F6 5803	<b>File - Planetary Explorers</b> 1968 - 1971 Location: Box 27  <i>Scope and content:</i> News clippings and press releases re the use of the Explorer class spacecraft for planetary exploration. Includes the invitation to participate in the Explorer planetary exploration definition phase.
SPFL-43-B27-F7 5804	<b>File - Upp Explorer</b> 1976 Location: Box 27  <i>Scope and content:</i> News clipping re preliminary design studies for the UPP Explorer spacecraft.
SPFL-43-B27-F8 5805	<b>File - Pickering, Dr. William H. Explorer Aiaa Washington D.C.</b> 1971 Location: Box 27  <i>Scope and content:</i> NASA Headquarters Historical Report HHR36: "Rocketry in the 1950's" re the rocketry activities of the US Army Ballistic Missile Agency (ABMA) and the Jet Propulsion Laboratory (JPL).
SPFL-43-B27-F9 5806	<b>File - IMP Engineering History And Achievements</b> 1979 Location: Box 27  <i>Scope and content:</i> Goddard Space Flight Center (GSFC) report: "Interplanetary Monitoring Platform (IMP) Engineering History and Achievements" re the IMP program and development, spacecraft, scientific experiments, and achievements.
SPFL-43-B27-F10 5811	<b>File - International Celebration Of Satellites</b> 1966 - 1987 Location: Box 27  <i>Scope and content:</i> Speech by President Ronald Reagan to "The Great International Celebration of Satellites in Space" re the progress of satellite technology, and program from the conference. Includes the "Report on the US Program for the International Geophysical Year" re the US's earth satellite program.
SPFL-43-B27-F11 17483	<b>File - Announcements Of Opportunity For Explorer Missions 1995-1999</b> 1995 - 1999 Location: Box 27  <i>Scope and content:</i> Announcements of Opportunity re NASA's medium-class Explorer (MIDEX), Small Explorers (SMEX), and University-class Explorer (UNEX) satellite programs.
SPFL-43-B28-F1 5796	<b>File - Explorer (General)</b> 1956 - ? Location: Box 28  <i>Scope and content:</i> Contains press releases and news clippings re NASA's Explorer satellite program; development of small, low-cost Explorer scientific satellites; accomplishments and legacy of the Explorer 1 satellite; contract award for a nuclear generator for the Interplanetary Monitoring Platform (IMP) Satellite; Beacon Explorers; project descriptions of the Gamma Ray Astronomy, Ionosphere Direct Measurement, and radiation belt satellites; Small Explorer (SMEX) program; Medium class Explorer (MIDEX) program; University class Explorer (UNEX) program; selection of Explorer missions; cancellation of Explorer satellites; and Juno launch vehicles. Includes an excerpt from NASA Special Publication SP133, Jet Propulsion Laboratory brochure, and NASA Facts educational publication re the Explorer scientific satellites; Beacon Explorer press kit re geodesy, ionosphere, laser, and radio attenuation experiments; speech by James Killian re the Explorer 1 launch; and paper by G. Robillard: "The Explorer Rocket

	Research Program". Includes photos re the Explorer 42 Satellite (Small Astronomy Satellite (SAS) A), Dynamics Explorer Satellites, Direct Measurement Explorer (DME) Satellite, Interplanetary Monitoring Platform (IMP) Satellite, and other Explorer program satellites.		
SPFL-43-B28-F2 5797	<b>File - Documentation: Explorers</b>	1960 - 1985	Location: Box 28
	<i>Scope and content:</i> Contains correspondence re the development of a platform for the Extreme Ultraviolet Explorer (EUVE); naming of the Explorer 1 satellite; planning for the Interplanetary Monitoring Platform (IMP) Satellite and the Radio Astronomy Explorer (RAE); Explorer 30 satellite to monitor solar activity; energetic particles Explorer satellites; publication of Explorer 6 results; geodetic explorer satellites and scientific objectives and experiments, program management, launch scheduling, and costs; radio astronomy antennas; Small Astronomy Satellites (SAS) for ultraviolet astronomy, and gamma ray and Xray source detection; atmospheric Explorer satellites scientific investigations; Explorer astronomy missions; and IMP mission description and spacecraft design.		
SPFL-43-B29-F1 5808	<b>File - Explorer I</b>	1957 - 2008	Location: Box 29
	<i>Scope and content:</i> Contains press releases and news clippings re the celebration of the anniversaries of the launch of the Explorer 1 satellite; Explorer 1 mission and Jupiter launch vehicle operations; discovery of the Van Allen radiation belts; competition between the US and the Soviet Union (USSR) to launch the first man-made satellite; number of earth revolutions and miles traveled by Explorer 1; burn-up of Explorer in its 12th year of orbit; naming of the Explorer 1 satellite; international tracking of spacecraft; and the Explorer 1 launch. Includes Jet Propulsion Laboratory (JPL) Technical Report TR3231 by Allen E. Wolfe and William J. Truscott: "Juno 1: Re-entry Test Vehicles and Explorer Satellites"; paper by James Van Allen: "The Beginnings of the Magnetospheric Physics"; and speeches by William H. Pickering and Wernher von Braun on the 10th anniversary of the Explorer 1 launch re the Explorer 1 satellite accomplishments and the progress of the space program since the Explorer 1 launch. Includes photos re the Explorer 1 launch; and James Van Allen, William Pickering, and Wernher Von Braun with a model of the Explorer 1 satellite. Also contains correspondence re launch of Explorer 1; decision to use Jupiter C as backup for Vanguard program; scientific data returned from Explorer 1; naming of Explorer 1; distance traveled by the satellite; and operational lifetime of Explorer 1.		
SPFL-43-B29-F2 5809	<b>File - Explorer 1 (Costs)</b>	1959 - 1970	Location: Box 29
	<i>Scope and content:</i> Correspondence re research by the Marshall Space Flight Center (MSFC) history division re the costs of the Explorer 1 satellite project; and a House Committee on Government Operations report re the organization and management of missile programs, and the costs of the Explorer 1 satellite.		
SPFL-43-B29-F3 5810	<b>File - Explorer I (10th Anniversary)</b>	1958 - 1970	Location: Box 29
	<i>Scope and content:</i> Press releases re the reentry into the Earth's atmosphere of the Explorer 1 satellite, and the commemoration of the 10th anniversary of the launch of Explorer 1. Includes speeches by William H. Pickering re the progress of the US space program since the Explorer 1 launch, by Wernher Von Braun re the state of the US space program in 1968, and by Austin W. Betts re the "Army's Use of Space". Also includes Jet Propulsion Laboratory (JPL) brochure: "The First Decade of Space Research" and Kennedy Space Center (KSC) brochure re the Explorer 1 satellite; invitation to the California Institute of Technology and JPL commemoration of the Explorer 1 10th anniversary; and photo re the Explorer 1 launch.		
SPFL-43-B29-F4 5812	<b>File - Explorer 1 (Twentieth Anniversary 1978)</b>	1958 - 1978	Location: Box 29
	<i>Scope and content:</i>		

	Press releases and news clippings re the commemoration of the 20th anniversary of the launch of the Explorer 1 satellite; the history of the Explorer 1 launch; the practical applications of satellite technology, and the discovery of the Van Allen radiation belts. Includes photo re William Pickering, James Van Allen, and Wernher Von Braun with a model of the Explorer 1 satellite.
SPFL-43-B29-F5 5813	<b>File - Explorer 1 25th Anniversary (1983)</b> 1982 - 1983      Location: Box 29  <i>Scope and content:</i> Contains news clippings re the commemoration of the 25th anniversary of the launch of the Explorer 1 satellite; history of the US satellite program; impact of the successful Explorer 1 launch on the US space program and the public's support for it; and reprints of news clippings reporting the Explorer 1 launch. Includes excerpts from the Congressional Record commemorating the 25th anniversary of NASA and the scientific achievements of Explorer 1.
SPFL-43-B29-F6 5814	<b>File - Explorer II (March 5, 1958)</b> 1958      Location: Box 29  <i>Scope and content:</i> News clippings re the launch of the Explorer 2 satellite, and its failure to achieve orbit. Includes photos re the Explorer 2 launch, preparations, and Jupiter launch vehicle.
SPFL-43-B29-F7 5815	<b>File - Explorer III (March 26, 1958)</b> 1958      Location: Box 29  <i>Scope and content:</i> Contains news clippings re the Explorer 3 satellite, launch, abnormal orbit, and investigation of cosmic ray activity. Includes paper by James Van Allen: "The Beginning of Magnetospheric Physics"; and photos and illustrations re the Explorer 3 satellite major components, and launch preparations. Also contains correspondence re design of Explorer 3 satellite.
SPFL-43-B29-F8 5816	<b>File - Explorer IV (July 26, 1958)</b> 1958 - 1968      Location: Box 29  <i>Scope and content:</i> News clippings re the launch of the Explorer 4 satellite by the Advanced Research Projects Agency (ARPA); sightings of the Explorer 4 satellite; and Explorer 4 measurement of radiation and magnetic fields. Includes NASA Technical Report TRR168 by Robert J. Naumann: "Directional Dependence of Counting Rates from Explorer IV"; paper by James Van Allen: "The Beginnings of Magnetospheric Physics" re the Explorer 4 radiation detectors; and correspondence re requests for Explorer 4 data. Includes illustrations and photos re the Explorer 4 satellite, instrumentation and systems, and the Jupiter launch vehicle.
SPFL-43-B29-F9 5818	<b>File - Explorer (July 16, 1959) Unsuccessful, Cape Canaveral, Juno II Rocket Failure</b> 1959 - 1960      Location: Box 29  <i>Scope and content:</i> News clippings re the NASA Explorer satellite destroyed after a power supply failure; malfunction of the Juno launch vehicle; and the Explorer satellite instruments for measurement of radiation.
SPFL-43-B29-F10 16120	<b>File - Explorer 1 (40th Anniversary)</b> 1997 - 2008      Location: Box 29  <i>Scope and content:</i> Contains news clippings, articles, and press releases re the commemoration of the 40th anniversary, 45th anniversary, and the 50th anniversary of the launch of Explorer 1 satellite; history of Explorer 1 launch; discovery of Van Allen radiation belts; US participation in International Geophysical Year (IGY); launch of Sputnik 1 and 2 satellites by Soviet Union (USSR); US Army - Jet Propulsion Laboratory (JPL) participation in launch of Explorer 1; and Jupiter-C launch vehicle.

SPFL-43-B30-F1 5817	<b>File - Explorer V (August 24, 1958)</b>  <i>Scope and content:</i> News clippings re the Advanced Research Projects Agency (ARPA) Explorer 5 satellite and its failure to achieve orbit.	1958	Location: Box 30
SPFL-43-B30-F2 5819	<b>File - Explorer VI (August 7, 1959)</b>  <i>Scope and content:</i> News clippings and press releases re the views of the Soviet Union (USSR) of the Explorer 6 satellite and the US use of space for military purposes; firing of a ballistic missile from a Boeing B47 bomber to cross the Explorer 6 trajectory; Explorer 6 satellite experiments for radiation belt mapping, photography of cloud cover patterns, solar cells for the recharging of spacecraft batteries, micrometeorite detector, magnetic field mapper, and radio wave experiments for deep space communications; Explorer 6 results; communications system; and loss of the solar powered radios. Includes transcript from an American Rocket Society (ARS) session by John Lindsay re the Explorer 6 experiments; transcripts from NASA press conferences re the findings of Explorer 6; and Pioneer 5 probe studies of the Van Allen radiation belts. Also includes correspondence re Able launch vehicle costs and the failure of the Thor-Able converter failure; and photos and illustrations re the Thor-Able launch vehicle, Explorer 6 payload, instruments, and solar power supply.	1959 - 1985	Location: Box 30
SPFL-43-B30-F3 5820	<b>File - Satellites: Explorer 6 Scientific Findings</b>  <i>Scope and content:</i> NASA Special Publication SP54: "Scientific Findings from Explorer VI" re the investigations of astronomy and celestial mechanics, ionospheric physics, and energetic particles in magnetic fields. Includes NASA Contractor Report CR4 by Alan Rosen and Edward J. Smith: "Explorer VI and Pioneer 5 Data, Volume 2: A Compendium of Explorer VI Data" re the Explorer 6 scintillation counter and search coil magnetometer experiments.	1963 - 1965	Location: Box 30
SPFL-43-B30-F4 5821	<b>File - Explorer VII (October 13, 1959)</b>  <i>Scope and content:</i> News clippings and press releases re the decay of the Explorer 7 satellite; radiation belt balance, solar x-rays, cosmic rays, micrometeorites, and temperature measurement experiments; internal temperature charts; mapping of the Van Allen radiation belts; applications of Explorer 7 findings to space communications, manned space flight, and meteorology; Juno launch vehicle; study of solar flares; shut-down of an Explorer 7 transmitter; and the Explorer 7 electronics system. Includes NASA Technical Note TND484 by I. L. Cherrick: "Telemetry Code and Calibrations for Satellite 1959 Iota (Explorer VII)"; transcripts from press conferences re the Explorer 7 experiments and project background; and reports: "Telemetry Coding for IGY Satellite 1959 Iota (Explorer VII)" and "Explorer VII: Heavy Primary Cosmic Ray Experiment". Includes correspondence re Explorer 7 telemetry and data acquisition; and photos re the Explorer 7 satellite, systems, Juno launch vehicle, orbital path, antenna system, power system, and payload.	1959 - 1989	Location: Box 30
SPFL-43-B30-F5 5822	<b>File - Explorer (23 March 1960)</b>  <i>Scope and content:</i> Correspondence and news clipping re an Explorer satellite to study the Van Allen radiation belts, data acquisition facilities, and the failure of the satellite to achieve orbit.	1960	Location: Box 30
SPFL-43-B31-F1 5823	<b>File - Explorer (4 December 1960)</b>  <i>Scope and content:</i>	1960	Location: Box 31

	News clipping re the Explorer satellite to test the capabilities of the Scout launch vehicle, study the density of the earth's atmosphere, and the satellite's failure to achieve orbit.
SPFL-43-B31-F2 5824	<b>File - XII Explorer VIII (November 3, 1960 - 1961)</b> Location: Box 31 <b>1960, S-30)</b>  <i>Scope and content:</i> News clippings and press releases re the Explorer 8 satellite (Ionosphere Direct Measurement Satellite) and its study of the electrically charged ionosphere layers; applications of Explorer 8 studies to improved satellite communications; termination of transmissions from Explorer 8; progress reports; and the hazards of cosmic dust. Includes transcripts of press conferences re Explorer 8 ionosphere experiments; and correspondence re Explorer 8 tracking and data acquisition and the imminent shutdown of the satellite's transmitter. Includes photos re the Explorer 8 satellite and the Juno launch vehicle.
SPFL-43-B31-F3 5825	<b>File - Explorer IX (Balloon 2/16/1961)</b> 1961 - 1964 Location: Box 31  <i>Scope and content:</i> News clippings and press releases re the Explorer 9 satellite balloon for the measurement of the density of the earth's atmosphere; Explorer 9 reentry into the atmosphere after 3 years in space; first satellite launch from Wallops Island; first successful launch by the Scout launch vehicle; shrinkage of the earth's outer atmosphere; and optical tracking of Explorer 9. Includes transcripts of press conferences re Explorer 9's findings about the upper atmosphere; correspondence re Explorer 9 tracking requirements; and photos re the Explorer 9 launch, satellite, Scout launch vehicle, and folding of the Explorer 9 balloon.
SPFL-43-B31-F4 5826	<b>File - Explorer 24 February 1961</b> 1961 Location: Box 31  <i>Scope and content:</i> Report of the failure of the Explorer ionosphere satellite to achieve orbit, February 24, 1961; correspondence re the participation of the Jet Propulsion Laboratory (JPL) in the launch; and photo re the Explorer satellite.
SPFL-43-B31-F5 5827	<b>File - Explorer X (P-14, 3/25/1961)</b> 1959 - 1996 Location: Box 31  <i>Scope and content:</i> Contains news clippings and press releases re the Delta launch vehicle; the Explorer 10 satellite for measurement of magnetic fields; proof of the existence of the solar wind; and instrumentation to map magnetic fields. Includes paper by James P. Heppner: "Instrumentation for Space Magnetic Field Studies"; transcripts of press conferences re Explorer 10 investigations; and correspondence re tracking and data acquisition for Explorer 10. Includes photos re the Explorer 10 satellite, systems and instruments, trajectory for the magnetic field and plasma probe, Thor-Delta launch vehicle, launch sequence, and spacecraft testing.
SPFL-43-B31-F6 5828	<b>File - Explorer XI (4/27/1961) (S-15)</b> 1961 Location: Box 31  <i>Scope and content:</i> Contains press releases and news clippings re the Explorer 11 gamma ray astronomy satellite and telescope; Explorer 11 data supporting the "Big Bang" theory of the creation of the universe; Explorer 11 launch by the Juno launch vehicle; spacecraft instrumentation and gamma ray telescope; and the mapping of gamma ray sources. Includes transcripts of press conferences re the Explorer 11 satellite operations and methods of measuring gamma rays; correspondence re tracking and data acquisition; and photos re the Explorer 11 satellite.
SPFL-43-B31-F7 5829	<b>File - S-45 II Failure May 24, 1961</b> 1961 - 1963 Location: Box 31  <i>Scope and content:</i>

	News clippings and press releases re the failure of the Juno launch vehicle during the attempt to launch the Explorer Ionosphere Beacon Satellite; study of the ionosphere to improve communications capabilities; and tracking and data acquisition. Includes Marshall Space Flight Center (MSFC) reports on the Ionosphere Beacon satellite antenna system, instrumentation, and transmitter; and photos re the Ionosphere Beacon satellite.		
SPFL-43-B31-F8 5830	<b>File - Explorer (30 June 1961)</b>	1961	Location: Box 31
	<i>Scope and content:</i> Space activities summary report re the failure to achieve orbit of an Explorer satellite mission to test the performance of the Scout launch vehicle, and to study the effects of cosmic dust (micrometeorites) on space flight.		
SPFL-43-B32-F1 5831	<b>File - Explorer XII (August 15, 1961) (S-31)</b>	1961 - 1963	Location: Box 32
	<i>Scope and content:</i> Contains news clippings and press releases re the end of transmissions from the Explorer 12 energetic particles satellite; difficulties in tracking Explorer 12's unusual orbit; investigation on energetic particles and the Van Allen Radiation Belts to be applied to manned space flight; origin of cosmic rays; concentration of electrons in the radiation belts; proof of the existence of solar plasma streams; the behavior of space particles; and the study of the composition of the outer Van Allen radiation belt. Includes transcripts of news conferences re the Explorer 12 experiments, instruments, and preliminary results; brochure re the Explorer 12 spacecraft, experiments, orbit, and Thor-Delta launch vehicle; and correspondence re the public information plan, and tracking responsibility for the Explorer 12 satellite. Also includes photos re the Explorer 12 launch, Thor-Delta launch vehicle, and spacecraft systems and design.		
SPFL-43-B32-F2 5832	<b>File - Explorer XIII (August 25, 1961) (S-55)</b>	1961 - 1962	Location: Box 32
	<i>Scope and content:</i> Contains news clippings and press releases re the Explorer 13 satellite to study cosmic dust (micrometeorites) and its impact on spacecraft; testing of the Scout launch vehicle; and Explorer 13's reentry into the earth's atmosphere. Includes photos re the Explorer 13 satellite and its launch. Also contains correspondence re Explorer 13 launch and payload.		
SPFL-43-B32-F3 5833	<b>File - Satellites: Explorer Xiv (10-2-1962)</b>	1962 - 1984	Location: Box 32
	<i>Scope and content:</i> Contains news clippings and press releases re the decay of the Explorer 14 satellite; intermittent transmission of Explorer 14 data; spacecraft design; and exploration of the earth's radiation belt and the behavior of space radiation. Includes a NASA Facts educational publication re the Explorer satellite program; and photos re the Explorer 14 satellite.		
SPFL-43-B32-F4 5834	<b>File - Explorer Xv (10-27-1962)</b>	1962 - 1986	Location: Box 32
	<i>Scope and content:</i> Contains news articles re the Explorer 15 studies of increased radiation caused by high altitude nuclear tests; the decay of the Explorer 15 satellite; and Explorer 15 study of the Van Allen Belts. Includes press release re technical description of the Explorer 15 satellite. Also contains photos re the Explorer 15 launch.		
SPFL-43-B32-F5 5835	<b>File - Satellites: Explorer XVI (S 55b)</b>	1961 - 1964	Location: Box 32
	<i>Scope and content:</i>		

	Contains news clippings and press releases re the Explorer 16 satellite for the study of the hazards of meteoroids to spacecraft; end of data transmission from Explorer 16; launch by the Scout launch vehicle; and theories of the frequency of meteoroid penetration of spacecraft. Includes NASA Facts educational brochures re micrometeoroids and Explorer 16 satellite; transcripts of press conferences re NASA meteoroid technology program and the results of Explorer 16 studies; the Explorer 16 public information plan re project participants and program management; and correspondence re communications, tracking, and launch preparations. Also includes photos re the Explorer 16 satellite and launch; micrometeoroid detectors; chart of estimates of meteoroid hazards; and Explorer 16's orbital path.		
SPFL-43-B32-F6 5836	<b>File - Satellites: Explorer Xvii</b>	1960 - 1993	Location: Box 32
	<i>Scope and content:</i> Contains news clippings and press releases re Explorer 17 atmospheric structure aeronomy satellites; the study of the structure of the earth's atmosphere; discovery of a helium band in the earth's upper atmosphere; launch of an Aerobee sounding rocket to determine the location of the Explorer 17 satellite; Hughes Aircraft Company lawsuit on satellite technology patents; and spacecraft design, experiments, project participants, spacecraft systems, telemetry, tracking, and the Delta launch vehicle. Includes correspondence re Explorer 17 telemetry stations and project schedule; and photos re the Explorer 17 satellite, launch, Delta launch vehicle, and instrumentation.		
SPFL-43-B32-F7 5837	<b>File - Satellites: Explorer XVIII IMP-A (November 26 1963)</b>	1963 - 1981	Location: Box 32
	<i>Scope and content:</i> News clippings and press releases re the decay of the Explorer 18 satellite; study of the effects of the solar wind on the earth's and the Moon's magnetic fields; discovery of a new radiation belt; confirmation of magnetosphere shock waves; selection of experiments for the Interplanetary Monitoring Platform (IMP) Project; survival of Explorer 18 for 8 hours in the earth's shadow; and the computation of Explorer 18's orbit. Includes correspondence re the IMP mission, objectives, spacecraft, Delta launch vehicle, orbit, tracking and data acquisition, and data analysis; and a NASA Facts educational brochure re the Interplanetary Explorer Satellites (formerly named IMP). Includes photos and illustrations re the Explorer 18 satellite, launch, and design and instrumentation.		
SPFL-43-B32-F8 5838	<b>File - Satellites: Explorer Xix Balloon Air Density (December 20, 1963)</b>	1963 - 1964	Location: Box 32
	<i>Scope and content:</i> News clippings and press releases re the Explorer 19 launch and achievement of orbit; and the optical tracking of Explorer 19 after the breakdown of the radio transmitter. Includes NASA Facts educational brochure re the studies by Explorer 19 of the air density of the upper atmosphere in the polar regions; and photos re the Explorer 19 satellite (folded and inflated), launch, and orbital path.		
SPFL-43-B32-F9 5839	<b>File - Polar Ionosphere Beacon Satellite S-66</b>	1962 - 1964	Location: Box 32
	<i>Scope and content:</i> Contains news clippings and press releases re the Polar Ionosphere Beacon Satellite and the study of electron contents, relationship between solar radiation and the ionosphere, and the connections of ionospheric activity to communications; failure of the Delta launch vehicle and loss of contact with the Polar Ionosphere Beacon satellite; and international observation stations. Includes correspondence re the Ionosphere Beacon Explorer program review, launch schedule, and difficulties with the Scout launch vehicle. Also includes photos re the launch of the Polar Ionosphere Beacon Explorer satellite.		
SPFL-43-B33-F1 5840	<b>File - Satellites: Explorer Xx Ionosphere Explorer</b>	1960 - 1970	Location: Box 33
	<i>Scope and content:</i> Contains news clippings and press releases re the Explorer 20 topside sounder (Ionosphere Explorer) satellite; mapping of the ionosphere; and study of the ionospheric properties which cause radio failure.		

	Includes Explorer 20 press kit re technical description of the satellite structure, scientific objectives, Scout launch vehicle, flight sequence, tracking and data acquisition, project team, and spacecraft systems; and correspondence re the Explorer 20 launch schedule and ground support. Also includes photos re the Explorer 20 satellite construction and testing.		
SPFL-43-B33-F2 5841	<b>File - Satellites: Explorer XXI (IMP-B)</b>	1963	Location: Box 33
	<i>Scope and content:</i> News clippings and press releases re the Explorer 21 Interplanetary Monitoring Platform (IMP) Satellite radiation mapping mission, and its failure to achieve its objectives due to a low orbit. Includes Explorer 21 press kit re the IMP satellite, scientific objectives and findings, team members, fact sheet, and Delta launch vehicle; and Goddard Space Flight Center (GSFC) report and correspondence re Explorer 21 launch operations. Also includes photos and illustrations re the evolution and design of the IMP satellite.		
SPFL-43-B33-F3 5842	<b>File - Satellites: Explorer XXII Beacon Explorer b</b>	1963 - 1965	Location: Box 33
	<i>Scope and content:</i> Contains news clippings and press releases re the tracking of the Explorer 22 satellite by lasers; survey of the ionosphere; and international participation in Explorer 22 ionosphere measurement activities. Includes press kit re the Beacon Explorer satellite, ionosphere experiments, laser tracking, electrostatic probe, Scout launch vehicle, the Beacon Explorer team, and ground station support. Contains correspondence re Explorer 22 summary operations plan; public information plan; project development plan; acquisition and dissemination of Explorer 22 data; international participation in Explorer 22 laser tracking experiment; and launch scheduling. Also includes transcripts of press conferences re the preliminary results of the Explorer 22 laser tracking experiment and international participation in the Explorer 22 mission; and photos re the Explorer 22 satellite.		
SPFL-43-B33-F4 5843	<b>File - Satellites: Explorer 23 (S-55c November 6, 1964)</b>	1964 - 1983	Location: Box 33
	<i>Scope and content:</i> News clippings and press releases re decay of Explorer 23 satellite, launch from Wallops Island, and meteoroid detection studies. Includes Explorer 23 press kit re meteoroid detection instruments; telemetry; Scout launch vehicle; tracking and data acquisition; and project personnel.		
SPFL-43-B33-F5 5844	<b>File - Satellites: Explorer XXV And XXIV Air Density Injun Explorer b</b>	1963 - 1964	Location: Box 33
	<i>Scope and content:</i> Contains news clippings and correspondence re the launch of Explorer 24 and Explorer 25, Air Density Explorer launch schedule, and support requirements; press kit re the Air Density Explorer study of the air density of the upper atmosphere, Scout launch vehicle, tracking, and scientific investigators. Includes photos re the Explorer 24 and Explorer 25 Air Density Explorers, and testing and launch preparations.		
SPFL-43-B33-F6 5845	<b>File - Explorer XXVI (December 21, 1964) (Epe-D Or S-3c)</b>	1964	Location: Box 33
	<i>Scope and content:</i> News clipping re the Explorer 26 energetic particles satellite study of space radiation, and the use of Explorer 26 data by the Apollo Program. Includes press kit re Explorer 26 spacecraft description, radiation detection experiments, communications and data handling systems, tracking and data acquisition, and the Delta launch vehicle; correspondence re the Explorer 26 launch schedule; and photos re the Explorer 26 launch.		
SPFL-43-B33-F7 5846	<b>File - Satellites: Explorer XXVII (April 26, 1965)</b>	1965	Location: Box 33
	<i>Scope and content:</i>		

	News clippings and press releases re the launch of the Explorer 27 Beacon Explorer Satellite; experiments in geodesy, electron density, and laser optical tracking; operation of Beacon transmitters; launch schedule; and map of worldwide Beacon Explorer monitoring stations. Also includes press kit re Explorer 27's technical background, scientific objectives, Scout launch vehicle, Beacon Explorer satellites, and the project team; and photos re the Explorer 27 satellite.
SPFL-43-B33-F8 5857	<b>File - XII Satellites Explorer XXVIII (May 1965 - 1968) (IMP-C)</b> Location: Box 33  <i>Scope and content:</i> Miscellaneous news clippings and press releases re the Explorer 28 Interplanetary Monitoring Platform (IMP) satellite; reentry into the earth's atmosphere; and the achievement of orbit phase. Includes Explorer 28 press kit re the IMP satellite; scientific studies of magnetic fields, cosmic rays, and the solar wind; IMP project; and the Delta launch vehicle. Also includes photos re the launch of the Explorer 28 satellite.
SPFL-43-B33-F9 5858	<b>File - Satellites: Explorer XXIX (November 1959 - 2005) (Geos-A)</b> Location: Box 33  <i>Scope and content:</i> Contains news articles and press releases re use of lasers to track Explorer 29 geodetic satellite; investigations in mapping and determination of earth's size, shape, mass, and gravitational variations; launch scheduling; spacecraft check-out and orbital activities; 40th anniversary of Explorer 29; and military geodetic satellite program. Includes correspondence re classification of geodetic satellite data, applications of geodesy, orbit specifications, and preliminary planning for NASA's geodetic satellite program; "NASA Facts" educational publication re Explorer 29 and science of geodesy; and Explorer 29 press kit re geodetic satellite program, spacecraft instrumentation, systems and operations, power supply, gravity stabilization, and Delta launch vehicle. Includes NASA "Summary of the Geodetic Satellites Program Follow-On"; and photos re Explorer 29 satellite.
SPFL-43-B33-F10 5859	<b>File - Satellites: Explorer XXX (Solrad) (November 18, 1965)</b> 1965 - 1966 Location: Box 33  <i>Scope and content:</i> Press releases and news clippings re launch of Explorer 30 satellite, or International Quiet Sun Year (IQSY) Solar Explorer, for measurement of solar radiation. Includes Explorer 30 press kit re satellite applications and value of solar research; spacecraft design; solar radiation experiments; and Scout launch vehicle.
SPFL-43-B33-F11 16517	<b>File - Explorer 22 (Beacon Explorer B) Project Development Plan</b> 9/22/1964 Location: Box 33  <i>Scope and content:</i> Includes Goddard Space Flight Center (GSFC) report re Explorer 22 satellite "Project Development Plan Beacon Explorer B (BE-B) Formerly Polar Ionosphere Beacon Satellite S-66".
SPFL-43-B34-F1 5860	<b>File - Satellites: Explorer XXXII (May 25, 1963 - 1993) (Atmosphere Explorer B)</b> Location: Box 34  <i>Scope and content:</i> Contains news clippings and press releases re launch, upper atmosphere research, and decay of Explorer 32 Atmosphere Explorer Satellite; and press kit re Explorer 32 spacecraft, atmospheric experiments, optical system, power supply, systems, Delta launch vehicle, and ground command stations. Includes photos re Explorer 32 satellite and launch. Also contains correspondence re approval of Explorer 32 satellite; and launch schedule.
SPFL-43-B34-F2 5861	<b>File - Explorer XXXIII IMP-D (July 1966)</b> 1966 - 1970 Location: Box 34  <i>Scope and content:</i> Press releases and news clippings re opportunity to use Explorer 33 Interplanetary Monitoring Platform (IMP) satellite for new investigations; repair of power failure on Explorer 33; discovery of extent

	of earth's magnetosphere; contradictions between Explorer 33 data and Luna 10 probe data; and development of solar cells to supply electric power to Explorer 33. Includes press kit re spacecraft; flight plan; magnetic field; radiation and solar wind investigations; and Delta launch vehicle. Also includes photos re Explorer 33 launch.
SPFL-43-B34-F3 5862	<b>File - Explorer XXXIV (IMP-F) (May 27, 1967)</b> 1967 - 1969 Location: Box 34  <i>Scope and content:</i> Press releases re Explorer 34 Interplanetary Monitoring Platform (IMP) satellite's measurement of solar and galactic cosmic rays at boundary of earth's magnetosphere; reentry into earth's atmosphere; and use of Explorer 34 data by Surveyor 6 probe. Includes photos re Explorer 34 satellite.
SPFL-43-B34-F4 5863	<b>File - Explorer XXXIV Press Kit</b> 1967 Location: Box 34  <i>Scope and content:</i> Press kit re the Explorer 34 Interplanetary Monitoring Platform F (IMP-F) satellite; magnetic field, radiation, cosmic ray, and plasma experiments; previous IMP mission results; and the Explorer 34 project team. Includes news clippings re use of Explorer 34 data to warn Apollo astronauts of solar flares, and the study of the influence of cosmic rays of the earth's magnetosphere.
SPFL-43-B34-F5 5864	<b>File - Explorer XXXV (IMP-E) (July 19, 1967)</b> 1967 - 1969 Location: Box 34  <i>Scope and content:</i> Press releases re use of Apollo 12 scientific package by Explorer 35 Interplanetary Monitoring Platform (IMP) satellite to determine lunar magnetic field; observations of interaction of solar wind with Moon. Includes photos and illustrations re Explorer 35 satellite, launch, and trajectory and lunar orbit.
SPFL-43-B34-F6 5865	<b>File - Explorer XXXV Press Kit</b> 1967 - 1971 Location: Box 34  <i>Scope and content:</i> Contains news articles re the Explorer 35 Interplanetary Monitoring Platform (IMP) satellite; achievement of lunar orbit to study the Moon's radiation, micrometeoroid, and magnetic environment; and Explorer 35 results and their application to the Apollo program. Includes press kit re the Explorer 35 spacecraft and systems, experiments, Delta launch vehicle, and the IMP team. Also contains NASA Technical Note TND-5187: "Explorer XXXV Attitude Control System".
SPFL-43-B34-F7 5866	<b>File - Explorer XXXVI Press Kit</b> 1967 - 1970 Location: Box 34  <i>Scope and content:</i> Press kit re the Explorer 36 geodetic satellite, geodetic instrumentation, Delta launch vehicle, and principal investigators. Includes news clippings re Explorer 36 investigations of the earth's size, study of a geodetic anomaly in the Atlantic Ocean to design new geodetic satellites, laser communications tests, and the calibration of tracking instruments.
SPFL-43-B34-F8 5867	<b>File - Explorer XXXVI (Geos-B) January 11, 1968</b> 1968 - 1970 Location: Box 34  <i>Scope and content:</i> Press releases re Explorer 36 geodetic satellite, use of Vanguard tracking ship to study geodetic anomaly off Puerto Rico, relay of communications to Explorer 36 via lasers; and photos re Explorer 36 satellite, launch, and testing.
SPFL-43-B34-F9 5868	<b>File - Explorer XXXVII (Solar Explorer-B) March 5, 1968</b> 1968 - 1990 Location: Box 34  <i>Scope and content:</i>

	Contains press releases re the launch of the Explorer 37 solar exploration satellite, cooperation between NASA and the Naval Research Laboratory (NRL); and the decay of the Explorer 37 satellite. Includes photos re the Explorer 37 satellite.		
SPFL-43-B34-F10 5869	<b>File - Explorer XXXVII Press Kit</b>	1968	Location: Box 34
	<i>Scope and content:</i> Press releases and news clippings re the launch of the Explorer 37 solar exploration satellite, cooperation between NASA and the Naval Research Laboratory (NRL), and the investigation into the failure of the Scout launch vehicle. Includes press kit re the Explorer 37 satellite, techniques for measuring solar radiation, the Scout launch vehicle, and the NASA and NRL project team.		
SPFL-43-B34-F11 6776	<b>File - Explorer 38 (Rae-A) Photos And Negatives</b>	1967 - 1968	Location: Box 34
	<i>Scope and content:</i> Contains photos and negatives of Explorer 38 Radio Astronomy Explorer - A (RAE-A) satellite and construction of satellite; launch preparations; testing of satellite; and launch.		
SPFL-43-B34-F12 16513	<b>File - Explorer 35 (IMP-E) Goddard Reports</b>	1967 - 1968	Location: Box 34
	<i>Scope and content:</i> Includes Goddard Space Flight Center (GSFC) reports re Explorer 35 Interplanetary Monitoring Platform (IMP-E) satellite "AIMP-E Attitude Control System"; and "AIMP-E Orientation Control-Concept, System and Testing".		
SPFL-43-B35-F1 5870	<b>File - Explorer 38 (July 14, 1968) Rae-a</b>	1967 - 1969	Location: Box 35
	<i>Scope and content:</i> Contains press releases re Explorer 38 radio astronomy satellite, discovery of earth's radio emissions, satellite antenna system, and satellite systems and instrumentation. Includes transcript of press conference re radio astronomy and Explorer 38's study of cosmic sources of radio emissions; and photos re Explorer 38 satellite and antenna system.		
SPFL-43-B35-F2 5871	<b>File - Explorer 38 Press Kit</b>	1968	Location: Box 35
	<i>Scope and content:</i> Explorer 38 radio astronomy satellite press kit re missions to study cosmic radio emissions; antenna, camera, receiving, and electron trap systems; spacecraft design; Delta launch vehicle; and Explorer 38 project team. Includes news clippings re the discovery of earth's radio emissions; extension of Explorer 38's antennas; radio mapping of the solar system; orbit stabilization; and launch schedule.		
SPFL-43-B35-F3 5872	<b>File - Explorer XXXIX (August 8, 1968) (Air Density C)</b>	1968 - 1981	Location: Box 35
	<i>Scope and content:</i> Explorer 39 (Air Density Explorer/Injun 5) satellite news clippings re decay of Explorer 39 satellite; and photos re Explorer 39 and Explorer 40 satellites.		
SPFL-43-B35-F4 5873	<b>File - Explorer XXXIX Press Kit</b>	1968	Location: Box 35
	<i>Scope and content:</i> Press kit re the Explorer 39 mission to study the relationship between air density and radiation in the upper atmosphere.		
SPFL-43-B35-F5 5875	<b>File - Explorer XI</b>	1968	Location: Box 35

	<i>Scope and content:</i> Contains Explorer 40 satellite (Air Density Explorer/Injun 5) photos and illustrations re space physics and astronomy satellite and launch. Press kit re the Explorer 40 satellite studies of atmospheric air density and energetic particles.		
SPFL-43-B35-F6 5876	<b>File - Explorer XLI (June 21, 1969) (IMP-G)</b>  <i>Scope and content:</i> Contains news clippings and press releases re the Explorer 41 Interplanetary Monitoring Platform (IMP) satellite observation of radiation from solar storms, applications of research to the Apollo program, and satellite launch. Includes press kit re the Explorer 41 spacecraft, experiments, and project team; and photos re the Explorer 41 pre-launch check-out.	1969 - 1972	Location: Box 35
SPFL-43-B35-F7 5877	<b>File - Explorer 42 Uhuru (Dec. 12, 1970) Sas-a</b>  <i>Scope and content:</i> Contains news articles and press releases re the Explorer 42 (Uhuru) satellite; NASA Small Astronomy Satellite (SAS) program; decay of Explorer 42; xray astronomy and the detection of galactic clusters, xray pulsars, and new stars; black holes; launch of Explorer 42 by Italy, the first US satellite launched by another country; project director Marjorie Townsend, the first woman to oversee the launch of a spacecraft; SAS contract awards; and SAS funding. Includes Explorer 42 press kit re mission objectives, high-energy astronomy, spacecraft, xray experiments, Scout launch vehicle, San Marco launch platform, mission operations, tracking and data acquisition, and the project team. Also includes correspondence re the support to the Explorer 42 satellite by Applications Technology Satellites (ATS), renaming of Explorer 42 as Uhuru, FY1967 and FY1968 budget for SAS, and the use of the San Marco launch platform; transcript of a press conference re the preliminary results of Explorer 42; House Subcommittee on Space Science and Applications hearings on funding for an Xray astronomy satellite; paper by Riccardo Giacconi: "Preliminary Results of an All-Sky X-Ray Survey from Uhuru"; report by Marjorie Townsend: "The Small Astronomy Satellite (SAS) Program"; and photos re the Explorer 42 launch.	1966 - 1979	Location: Box 35
SPFL-43-B35-F8 5878	<b>File - Explorer 43 (IMP-I) (March 13, 1971)</b>  <i>Scope and content:</i> Contains press releases re Explorer 43 Interplanetary Monitoring Platform (IMP) satellite, solar storm studies, launch, and first computer flown on American scientific satellite. Includes correspondence re experiments, investigators and photos re Explorer 43 and launch site.	1967 - 1973	Location: Box 35
SPFL-43-B35-F9 16514	<b>File - Explorer 43 (IMP-I) Operations Plan</b>  <i>Scope and content:</i> Includes Goddard Space Flight Center (GSFC) report re Explorer 43 "NASA-GSFC Opplan 2-71 Interplanetary Monitoring Platform IMP-I".	Feb-71	Location: Box 35
SPFL-43-B36-F1 5879	<b>File - Explorer 44 (Solrad 10) July 8, 1971</b>  <i>Scope and content:</i> News clippings and press releases re the Explorer 44 satellite (SOLRAD 10) monitoring of solar disturbances of communications, navigation, and surveillance satellites; cosmic ray measurement; and cooperation with the Naval Research Laboratory (NRL). Includes press kit re the importance of solar flare research, Explorer 44 spacecraft, experiments, and Scout launch vehicle; and photos re the Explorer 44 satellite.	1971 - 1979	Location: Box 36
SPFL-43-B36-F2 5880	<b>File - Explorer 45 (Small Scientific Satellite)</b>	1965 - 1992	Location: Box 36

	<p><i>Scope and content:</i></p> <p>News clippings and press releases re the shut-down and decay of the Explorer 45 small scientific satellite (SSS); recording of solar storm radiation; launch from the San Marco launch platform, Kenya; and damage from a fire at Goddard Space Flight Center (GSFC). Includes press kit re the Explorer 45 spacecraft, engineering experiments, launch facility, and flight sequence; correspondence re FY1966 funding for SSS research, and establishment of the SSS project; post-launch and pre-launch Mission Operation Report (MOR); and GSFC report: "The Small Scientific Satellite Program and its First Payload". Includes photos re the Explorer 45 satellite, pre-launch check-out, and launch from the San Marco platform.</p>		
SPFL-43-B36-F3 5881	<b>File - Explorer 46 Meteoroid Technology Satellite (Mts) August 13, 1972</b>	1969 - 1974	Location: Box 36
	<p><i>Scope and content:</i></p> <p>News clippings and press releases re reactivation of Explorer 46 meteoroid technology satellite's telemetry system; testing of meteoroid protection techniques; partial malfunction and temporary shutdown of meteoroid protection structure; and Explorer 46 launch. Includes press kit re Explorer 46 objectives, meteoroid detectors, telemetry, Scout launch vehicle, tracking and data acquisition, and project personnel; meteoroid technology satellite project development plan and support instrumentation requirements document; and correspondence re development of meteoroid bumper experiments. Includes photos re effects of environment on satellites, and Explorer 46 launch.</p>		
SPFL-43-B36-F4 5882	<b>File - Explorer 47 September 22, 1972</b>	1972 - 1978	Location: Box 36
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re Explorer 47 Interplanetary Monitoring Platform (IMP) satellite; studies of interplanetary radiation, solar wind, magnetic fields, and dangers of cosmic rays to manned space flight; and IMP contractors. Includes Explorer 47 press kit re IMP spacecraft, engineering tests, telecommunications system, scientific investigations, tracking and data acquisition, and Delta launch vehicle; and photos re the Explorer 47 satellite and launch. Also contains correspondence re shutdown of Explorer 47 satellite.</p>		
SPFL-43-B36-F5 5883	<b>File - Explorer 48 1972-O A 15 November 1972 San Marco Range</b>	1969 - 1980	Location: Box 36
	<p><i>Scope and content:</i></p> <p>News clippings and press releases re Explorer 48 Small Astronomy Satellite (SAS); gamma ray astronomy and cosmic ray investigations; launch from San Marco launch platform in Kenya; NASA SAS program; and FY1970 new starts of Orbiting Solar Observatory (OSO) and SAS projects. Includes Explorer 48 press kit re spacecraft, gamma ray telescope, gamma ray astronomy, Explorer 42 results, San Marco launch facility, Scout launch vehicle, launch operations, and project team; and correspondence re NASA's astronomy activities; and article by J. J. Quenby: "Are Gamma Rays Point Sources or Diffuse Emission?". Also includes photos re Explorer 48 satellite.</p>		
SPFL-43-B36-F6 5884	<b>File - Explorer 49 Radio Astronomy Explorer-B (1973-039a) June 10, 1973</b>	1973 - 1997	Location: Box 36
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Explorer 49 (Radio Astronomy Explorer (RAE)) satellite; lunar orbit and the study of the origins of cosmic radio emissions; detection of radio emissions from Saturn; and RAE contractors. Includes Explorer 49 press kit re the RAE scientific objectives, experiment systems, spacecraft, Delta launch vehicle, launch operations, lunar orbit, Explorer 38 results, and the RAE team; and correspondence re the extension, and then termination of Explorer 49 tracking. Also includes photos re the Explorer 49 satellite.</p>		
SPFL-43-B36-F7 16516	<b>File - Explorer 47 (IMP-H) And Explorer 50 (IMP-J) Project Plan</b>	7/22/1971	Location: Box 36
	<p><i>Scope and content:</i></p>		

	Includes Goddard Space Flight Center (GSFC) report re Explorer 47 and Explorer 50 "Project Plan For Interplanetary Monitoring Platforms (H and J Missions) (Phase D)".		
SPFL-43-B36-F8 16518	<b>File - Explorer 49 Radio Astronomy Explorer-B (Rae-B) Operations Report</b>	Jun-73	Location: Box 36
	<i>Scope and content:</i> Includes report re "Operating the Radio Astronomy Explorer-B Spacecraft (RAE-B)" Explorer 49.		
SPFL-43-B36-F9 17073	<b>File - Rae-B (Explorer 49) Lunar Mission</b>	Feb-71	Location: Box 36
	<i>Scope and content:</i> INCLUDES GODDARD SPACE FLIGHT CENTER (GSFC) REPORT: "PROJECT PLAN FOR RADIO ASTRONOMY EXPLORER LUNAR MISSION (RAE-B) PHASE D", FEBRUARY 1971.		
SPFL-43-B37-F1 5885	<b>File - Explorer 50 (1973-078a) 25 Oct. 1973 IMP-"J"</b>	1971 - 2001	Location: Box 37
	<i>Scope and content:</i> Contains news articles and press releases re Explorer 50 Interplanetary Monitoring Platform (IMP) and 15th and 25th years in orbit; studies of solar wind and space radiation; detection of radio emissions from Saturn; Explorer 50 launch; role as space physics laboratory; shutdown of satellite; and Explorer 50 contractors. Includes press kit re earth's magnetosphere, Explorer 50 scientific experiments, spacecraft engineering tests, telecommunications, tracking and data operations, Delta launch vehicle, IMP series results, and Explorer 50 project team; and photos re launch of Explorer 50 satellite. Also includes correspondence re extension of tracking support for Explorer 50.		
SPFL-43-B37-F2 5886	<b>File - Explorer 51 (Atmospheric Explorer 6) 15 December 1973</b>	1971 - 1993	Location: Box 37
	<i>Scope and content:</i> Contains news clippings and press releases re the Explorer 51 satellite; observation of the earth's upper atmosphere; spacecraft design, telecommunications, and scientific experiments and instruments; satellite patents lawsuit by Hughes Aircraft Company; and the selection of contractors. Includes press kit re the Explorer 51 mission, spacecraft, tracking and data acquisition, data processing and analysis, launch operations, and program management; and photos and illustrations re the Explorer 51 satellite.		
SPFL-43-B37-F3 5887	<b>File - Explorer 52 Hawkeye 1 1974-040a 3 June 1974</b>	1970 - 1978	Location: Box 37
	<i>Scope and content:</i> Contains news clippings re launch of Explorer 52 satellite (Hawkeye 1) by US Air Force (USAF); design of satellite; and study of interaction of solar wind and earth's magnetic field. Includes press releases and press kit re Explorer 52 spacecraft design, launch vehicle, and program management. Contains correspondence re renaming of satellite from Injun F to Hawkeye 1; and NASA support of Hawkeye 1 satellite. Also includes photos re Explorer 52 systems testing and launch preparations.		
SPFL-43-B37-F4 5888	<b>File - Explorer 53 (Sas-C) Launched May 7, 1975 From San Marco Platform...</b>	1968 - 1981	Location: Box 37
	<i>Scope and content:</i> Press releases and news clippings re Explorer 53 Small Astronomy Satellite (SAS); use of Explorer 53 design criteria to build human tissue simulator; Explorer 53 decay and reentry; discovery of cosmic X-ray sources; investigation of black holes; and approval for FY1970 funding for Orbiting Solar Observatory (OSO) and SAS missions. Includes press kit re high energy astrophysics, SAS series, Explorer 53 spacecraft, X-ray experiments, San Marco launch facility, and Scout launch vehicle; correspondence re SAS experiments, scientific objectives, and funding cuts; and photos re Explorer 53 satellite.		
SPFL-43-B37-F5 5889	<b>File - Explorer 54 (Atmosphere Explorer D) 1975-096a Wtr Oct. 6, 1975 ...</b>	1969 - 1993	Location: Box 37

	<i>Scope and content:</i> Contains news clippings and press releases re Explorer 54 satellite and termination of satellite due to power failure; measurement of solar radiation absorbed by earth's atmosphere; launch; lawsuit by Hughes Aircraft Company on satellite technology patents; and Explorer 54 instrumentation design. Includes press kit re Explorer 54 mission, Delta launch vehicle, spacecraft design, scientific instrumentation, and tracking and data acquisition. Also includes photos and illustrations re launch of Explorer 54 satellite; launch preparations; and Explorer satellites' atmospheric investigations.		
SPFL-43-B37-F6 5890	<b>File - Explorer 55 (Atmosphere Explorer E) 1975-107a 11/19/75</b>	1975 - 1987	Location: Box 37
	<i>Scope and content:</i> News clippings and press releases re Explorer 55 satellite reentry into earth's atmosphere; study of chemical processes, energy transfer, and structure of earth's atmosphere; solar ultraviolet activity in atmosphere; measurement of ozone over equator; and design of Explorer 55 instrumentation. Includes press kit re Explorer 55 instruments, Delta launch vehicle and launch operations, and project team; and photos re Explorer 55 satellite and launch.		
SPFL-43-B37-F7 10268	<b>File - Advanced Composition Explorer (Ace)</b>	1988 - ?	Location: Box 37
	<i>Scope and content:</i> Contains news articles and press releases re Advanced Composition Explorer (ACE) satellite and launch delays; launch aboard Delta 2 launch vehicle; study of solar wind, cosmic rays, and space weather; proposals for ACE; and science payload. Includes ACE fact sheets and quarterly review. Also contains photos re ACE satellite testing; construction of satellite; launch preparations; and launch aboard Delta 2 launch vehicle.		
SPFL-43-B37-F8 16515	<b>File - Explorer 50 (IMP-J) Attitude Control Prelaunch And Operations Plan</b>	Oct-73	Location: Box 37
	<i>Scope and content:</i> Includes Goddard Space Flight Center (GSFC) report re Explorer 50 satellite "IMP-J Attitude Control Prelaunch Analysis and Operations Plan".		
SPFL-43-B38-F1 5891	<b>File - Dad Unsuccessful (12/5/1975) Was To Have Been Explorer 56-57</b>	1972 - 1975	Location: Box 38
	<i>Scope and content:</i> Contains correspondence re investigation into failure of Scout launch vehicle during launch of Dual Air Density (DAD) Explorer satellites; news clipping re DAD launch plans; press release re construction of DAD mass spectrometer; press kit re DAD satellite, Scout launch vehicle, flight sequence, and project team; and photos re DAD satellite and launch preparations.		
SPFL-43-B38-F2 5893	<b>File - Cosmic Background Explorer (COBE)</b>	1976 - ?	Location: Box 38
	<i>Scope and content:</i> Contains news clippings, press releases, and articles re the Cosmic Background Explorer (COBE) mission to study the universe's residual background radiation from the Big Bang; theories about the creation of the universe; mapping of the Milky Way; COBE instruments; launch preparations; and FY1982 budget cuts. Includes press kit re the COBE mission, instruments, operations, science objectives, Delta launch vehicle and operations, project team, and mission management. Includes NASA Facts educational publication and Goddard Space Flight Center (GSFC) brochure: "Cosmic Background Explorer Observes the Primeval Explosion". Includes photos by COBE re cosmic infrared background radiation, near infrared imaging of the Milky Way, and microwave frequency sky maps; illustrations of the periods in the development of the universe; and photo re the COBE spacecraft.		
SPFL-43-B38-F3 6794	<b>File - Advanced Spectroscopic And Coronagraphic Explorer (Asce)</b>	2002	Location: Box 38

	<i>Scope and content:</i> Contains news article and press release re Advanced Spectroscopic and Coronagraphic Explorer, a solar telescope to study the Sun's corona.		
SPFL-43-B38-F4 6863	<b>File - Astrobiology Explorer (ABE)</b>	2002	Location: Box 38
	<i>Scope and content:</i> Contains press release re Astrobiology Explorer feasibility study.		
SPFL-43-B38-F5 16618	<b>File - Cosmic Background Explorer (COBE) #2</b>	1989 - 1990	Location: Box 38
	<i>Scope and content:</i> News clippings, press releases, and articles re the Cosmic Background Explorer (COBE) mission to study the universe's residual background radiation from the Big Bang. Includes correspondence re event reports; public affairs plan; mission readiness reports; and science reports. Also includes COBE preprints.		
SPFL-43-B39-F1 5892	<b>File - Dynamics Explorer (A &amp; B) (1981)</b>	1976 - 1991	Location: Box 39
	<i>Scope and content:</i> Contains news clippings and press releases re the Dynamics Explorer Satellites; termination of Dynamics Explorer 1; establishment of a satellite link for the collection of scientific data from the South Pole; study of the interactions between the magnetosphere, ionosphere, and atmosphere; launch by the Delta launch vehicle; spacecraft experiments and instruments; spacecraft tests; and project cost increases. Includes Dynamics Explorer Satellites press kit re mission summary, spacecraft, instruments, investigators, and Delta launch vehicle; and a reprint of "Reviews of Geophysics" re "The Dynamics Explorer Program: 5 Years Later". Includes photos re the launch of the Dynamics Explorers; and auroral storms, hot plasma, and ozone concentrations as photographed by the Dynamics Explorers.		
SPFL-43-B39-F2 5894	<b>File - Extreme Ultraviolet Explorer (Euve)</b>	1984 - 2002	Location: Box 39
	<i>Scope and content:</i> Contains press releases and news clippings re the Extreme Ultraviolet Explorer (EUVE) and the detection of radiation in extreme ultraviolet portions of the electromagnetic spectrum; detection of ultraviolet light sources outside the Milky Way; spacecraft and systems testing; delivery of the EUVE telescopes; selection of contractors; launch; discoveries; shutdown of EUVE; and reentry. Includes press kit re the EUVE scientific objectives, mission timeline, instruments, spacecraft operations, launch operations, and mission management; and correspondence re approaches for the development of the EUVE spacecraft. Also includes photos re the launch of EUVE by the Delta launch vehicle; and EUVE mission stickers.		
SPFL-43-B39-F3 5895	<b>File - Solar Anomalous And Magnetospheric Particles Explorer (Sampex) (7/3/1992)</b>	1989 - ?	Location: Box 39
	<i>Scope and content:</i> Contains news clippings and press releases re the launch of the Solar Anomalous and Magnetospheric Particles Explorer (SAMPEX) and other lightweight, low-cost satellites; study of the origin of anomalous cosmic rays and energetic particles; launch status and preparations; and NASA's Small Explorer Program. Includes press kit re the SAMPEX science objectives, instruments, spacecraft design, launch operations, program responsibilities, and mission management; poster re SAMPEX and NASA's Small Explorer Program; and illustrations and photos re the SAMPEX satellite.		
SPFL-43-B39-F4 6878	<b>File - Full-Sky Astrometric Mapping Explorer (Fame)</b>	1999 - 2002	Location: Box 39
	<i>Scope and content:</i>		

	Contains news articles re Full-sky Astrometric Mapping Explorer (FAME) and mapping stars; and cancellation. Includes presentation on FAME and science instruments.		
SPFL-43-B39-F5 6922	<b>File - Galaxy Evolution Explorer (Galex)</b>	1998 - ?	Location: Box 39
	<i>Scope and content:</i> Contains news articles and press releases re Galaxy Evolution Explorer (GALEX) and satellite design; launch; detection of new galaxies; and science.		
SPFL-43-B39-F6 10269	<b>File - Fast Auroral Snapshot Explorer (Fast)</b>	1989 - ?	Location: Box 39
	<i>Scope and content:</i> Contains news clippings and press releases re Fast Auroral Snapshot Explorer (FAST) and selection, design, development, and contracts for the satellite; Small Explorer Program (SMEX); launch; discoveries; and 10th anniversary of FAST.		
SPFL-43-B39-F7 17280	<b>File - Microwave Anisotropy Probe (Map) Mission</b>	2001 - ?	Location: Box 39
	<i>Scope and content:</i> Contains news articles and press release re Microwave Anisotropy Probe (MAP) mission and study of "Big Bang" afterglow; designation as Medium class Explorer (MIDEX) mission; renaming of MAP to Wilkinson Microwave Anisotropy Probe (WMAP) in honor of physicist David Wilkinson; launch of probe; microwave astronomy; and launch preparations. Includes MAP press kit. Also contains photos re MAP and launch preparations; and launch.		
SPFL-43-B40-F1 6929	<b>File - Small Explorer (SMEX) Program</b>	1999 - ?	Location: Box 40
	<i>Scope and content:</i> Contains news articles and press releases re Small Explorer (SMEX) Program and missions; and satellites.		
SPFL-43-B40-F2 6394	<b>File - Solar Mesospheric Explorer (SME)</b>	1976 - 1991	Location: Box 40
	<i>Scope and content:</i> Contains news clippings and press releases re the Solar Mesospheric Explorer (SME) Satellite; operation of SME by University of Colorado-Boulder students; study of the earth's ozone layer; SME launch; mission objectives; and NASA Explorer program. Includes correspondence re the transfer of SME project management from Goddard Space Flight Center (GSFC) to the Jet Propulsion Laboratory (JPL); and the Explorer satellite program. Also includes SME press kit. Includes photos re the SME satellite, launch, and spacecraft design; and map of SME orbital path.		
SPFL-43-B40-F3 6587	<b>File - Wide-Field Infrared Survey Explorer (WISE)</b>	2009 - ?	Location: Box 40
	<i>Scope and content:</i> Contains news articles and press releases re Wide-field Infrared Survey Explorer (WISE) satellite and launch; survey of entire sky; infrared astronomy; end of coolant and beginning of "warm" mission; and discovery of near earth asteroids. Includes photos of some of WISE's first images.		
SPFL-43-B40-F4 6936	<b>File - Student Nitric Oxide Explorer (SNOE) Satellite</b>	1998 - 2004	Location: Box 40
	<i>Scope and content:</i> Contains news articles and press releases re Student Nitric Oxide Explorer (SNOE) satellite and launch; science; Pegasus launch vehicle; and reentry of SNOE.		

SPFL-43-B40-F5 10271	<b>File - Transitional Region And Coronal Explorer (TRACE)</b>  <i>Scope and content:</i> Contains news articles and press releases re Transitional Region and Coronal Explorer (TRACE) and satellite design; launch aboard Pegasus launch vehicle; study of the Sun's corona and solar flares; joint observations with Solar and Heliospheric Observatory (SOHO); and solar astronomy.	1993 - ?	Location: Box 40
SPFL-43-B40-F6 10272	<b>File - Wide-Field Infrared Explorer (Wire)</b>  <i>Scope and content:</i> Contains news articles and press releases re Wide-Field Infrared Explorer (WIRE) and contractor selection; satellite design; launch; loss of coolant after satellite launch; WIRE mishap investigation; and discovery of starquakes with satellite. Also includes "WIRE Mishap Investigation Board Report".	1994 - ?	Location: Box 40
SPFL-43-B40-F7 11616	<b>File - X-Ray Timing Explorer (XTE)</b>  <i>Scope and content:</i> Contains news articles and press releases re X-Ray Timing Explorer (XTE) and satellite design; development; science instruments; preparation for launch; launch; renaming of satellite to the Bruno Rossi X-Ray Timing Explorer (RXTE) for physicist Bruno Rossi; study of neutron stars and black holes by XTE; and confirmations of Albert Einstein's theory of relativity. Includes correspondence re XTE launch specifications. Also contains photos re XTE shipment; artist's conception of satellite; preparation for launch; and launch.	1982 - ?	Location: Box 40
SPFL-43-B41-F1 5896	<b>File - Explorers</b>  <i>Scope and content:</i> Contains news articles and press releases re NASA's Small Explorer Program (SMEX); University Explorers program (UNEX); Medium-class Explorers program (MIDEX); opportunities for proposals for small Explorers; selection of Small Explorer missions; launch of low-cost, lightweight Explorers; and the use of the Space Shuttle to deploy Explorers. Includes Fairchild Industries Incorporated brochure re Explorer platforms; FY1984 NASA budget for Explorer augmentation; and testimony of Charles Mathews before the House Committee on Science and Technology re applications of Explorer missions. Contains correspondence re Explorer program. Includes illustrations re Explorer platforms.	1972 - 1999	Location: Box 41
SPFL-43-B41-F2 6943	<b>File - Far Ultraviolet Spectroscopic Explorer (FUSE) Photographs</b>  <i>Scope and content:</i> Contains photos re Far Ultraviolet Spectroscopic Explorer (FUSE) and launch preparations; and Delta 2 launch vehicle.	1999	Location: Box 41
SPFL-43-B41-F3 11615	<b>File - Far Ultraviolet Spectroscopic Explorer (FUSE)</b>  <i>Scope and content:</i> Contains news articles and press releases re Far Ultraviolet Spectroscopic Explorer (FUSE) and development; cancellation; restart; launch preparations; launch; study of the Milky Way galaxy; ultraviolet astronomy; repairs of satellite from ground; and shutdown of FUSE. Includes FUSE status reports; feasibility study; and correspondence re collaboration with the European Space Agency (ESA) on FUSE.	1982 - 2007	Location: Box 41
SPFL-43-B42-F1 5897	<b>File - Galaxy 1 (28 June 1983, Delta 1983-065a)</b>  <i>Scope and content:</i>	1981 - 1986	Location: Box 42

	News clippings re interruption of Home Box Office (HBO) transmission from Galaxy 1 satellite by video pirate "Captain Midnight"; sale of Galaxy 1 transponders to cable television programmers; and launch of Galaxy 1 satellite. Includes press release re Hughes Communications Company's Galaxy 1 satellite; and photos re Galaxy 1 launch and encapsulation.		
SPFL-43-B42-F2 5898	<b>File - Galaxy 1-r</b>  <i>Scope and content:</i> Contains news articles re the investigation of the failure of the Atlas launch vehicle during the launch of the Galaxy 1R satellite; and continuation of cable television broadcasts by Hughes Communications Company satellites despite the loss of the Galaxy 1R.	1992 - 1995	Location: Box 42
SPFL-43-B42-F3 5899	<b>File - Galaxy II Sept 22, 1983 1983-98a Delta 3920</b>  <i>Scope and content:</i> Photographs and news clipping re testing, pre-launch and launch of Galaxy 2 telecommunications satellite.	1983 - 1984	Location: Box 42
SPFL-43-B42-F4 5900	<b>File - Galaxy-C (3) 84-101a (9-21-84)</b>  <i>Scope and content:</i> News clipping and press releases re launch of Hughes Communications Company's Galaxy 3 satellite for video, voice, data, and facsimile business communications; and photos re Galaxy 3 launch.	1984	Location: Box 42
SPFL-43-B42-F5 5901	<b>File - Galaxy V, VII</b>  <i>Scope and content:</i> Contains news articles re the sale of transponders for the Galaxy 5 satellite; purchase of Galaxy 5 antennas by cable television system operators; launch of Galaxy 7 satellite; and attitude control problems aboard Galaxy 7.	1992 - 1998	Location: Box 42
SPFL-43-B42-F6 5902	<b>File - GRO (Photographs)</b>  <i>Scope and content:</i> Contains photos and illustrations re the Gamma Ray Observatory (GRO), later renamed the Compton Gamma Ray Observatory; gamma ray images of the Sun, solar flares, and a sky map; deployment of GRO from Space Shuttle STS 37; pre-launch check-out and testing; STS 37 crew; and GRO Burst and Transient Source Experiment (BATSE).	1990 - ?	Location: Box 42
SPFL-43-B42-F7 5903	<b>File - Gamma Ray Imaging Telescope (GRIT)</b>  <i>Scope and content:</i> Contains news articles and press releases re damage to the Gamma Ray Imaging Spectrometer during its landing; and conversion of the Space Shuttle's external tanks for use as the Gamma Ray Imaging Telescope (GRIT). Includes photo re astronauts practicing the installation of a mirror support for the GRIT.	1986 - 1990	Location: Box 42
SPFL-43-B42-F8 6953	<b>File - Galaxy VIII-</b>  <i>Scope and content:</i> Contains news articles and press releases re Galaxy 8 satellite and follow-on Galaxy satellites; launches; launch failures; on-orbit operations; and PanAmSat Corporation.	1998 - ?	Location: Box 42
SPFL-43-B42-F9 16109	<b>File - LYMAN FUSE Mission</b>	1986 - 1989	Location: Box 42

	<i>Scope and content:</i> Includes studies and correspondence re NASA/European Space Agency (ESA) cooperation in development of the LYMAN/Far Ultraviolet Spectroscopic Explorer (FUSE).		
SPFL-43-B42-F10 16207	<b>File - Galaxy 4 Satellite</b>	1993 - 1998	Location: Box 42
	<i>Scope and content:</i> Contains news articles and press releases re Galaxy 4 launch; on-orbit satellite failure; and effects of satellite failure.		
SPFL-43-B43-F1 5904	<b>File - Gamma Ray Satellite/Observatory (1991)-027b STS-37 April 5</b>	1976 - ?	Location: Box 43
	<i>Scope and content:</i> Contains news articles and press releases re the Gamma Ray Observatory (GRO), later renamed the Compton Gamma Ray Observatory, and reentry into Earth atmosphere and into Pacific Ocean; discovery of supernovas that created the void surrounding the solar system; search for the origins of cosmic gamma rays; danger to GRO from in-flight tests of spacecraft nuclear reactors; gamma ray afterglow from solar flares; image of the Sun in neutrons; study of quasars; transmission of GRO data by the Tracking and Data Relay Satellite System (TDRSS) due to a malfunction of GRO tape recorders; GRO instruments; deployment of GRO by Space Shuttle STS 37; importance of the Space Shuttle program for launching astronomical observatories; extra-vehicular activity (EVA) or space walk to fix the GRO's jammed antenna; European Space Agency (ESA) participation in GRO science investigations; STS 37 pre-launch status reports; Gamma Ray Imaging Telescope (GRIT); GRO, Advanced XRay Astrophysics Facility (AXAF), and Hubble Space Telescope (HST); in flight refueling of spacecraft; GRO estimated costs; contract to TRW Incorporated to design, build, integrate, and test GRO; proposal to delay GRO in FY1981 NASA budget; and gamma ray astronomy spacecraft design plans. Includes testimony of Alan M. Lovelace before the House Subcommittee on Space Science and Applications re FY1981 NASA budget; Goddard Space Flight Center (GSFC) brochure: "Gamma Ray Observatory: A New Window to the Universe"; notes from press conferences re GRO early results and FY1984 budget; and NASA Facts publication re GRO.		
SPFL-43-B43-F2 17441	<b>File - Gamma Ray Observatory Briefings 1991</b>	1991	Location: Box 43
	<i>Scope and content:</i> Includes briefings re the Gamma Ray Observatory (GRO) and gamma ray astronomy with many artist renderings and photos.		
SPFL-43-B44-F1 5905	<b>File - Gamma Ray Observatory (GRO) Pubs.</b>	1983 - 1991	Location: Box 44
	<i>Scope and content:</i> NASA Publication NP124 re the Gamma Ray Observatory (GRO); TRW Incorporated brochures re the GRO spacecraft and instruments; pre-launch Mission Operation Report (MOR); research announcements; and article re the GRO mission.		
SPFL-43-B44-F2 5906	<b>File - Geostar</b>	1985 - 1991	Location: Box 44
	<i>Scope and content:</i> Miscellaneous news clippings re investment in the Geostar Corporation to prevent its bankruptcy; and the Geostar satellite system for navigation and air traffic control.		
SPFL-43-B44-F3 17444	<b>File - Gamma Ray Observatory (GRO) (Later Compton) Documentation 1989-1995</b>	1989 - 1995	Location: Box 44
	<i>Scope and content:</i>		

	Includes Compton Gamma Ray Observatory (GRO) research announcements, project plans, fellowship announcement, and Compton symposium at Washington University in St. Louis.		
SPFL-43-B45-F1 5907	<b>File - GEOS (ESA Sat. 1977 Launch) 1977-29a</b>	1968 - 1978	Location: Box 45
	<i>Scope and content:</i> Contains news articles and press releases re European Space Agency's (ESA) GEOS 1 satellite; study of earth's magnetosphere; return of data from GEOS 1 despite low orbit and malfunction of Delta launch vehicle; satellite payload; and mission definition. Includes GEOS 1 press kit re scientific payload, launch schedule, Delta launch vehicle, launch operations, and ESA and NASA project teams; and correspondence re NASA support to ESA and European Space Research Organization (ESRO) for GEOS 1 development. Includes photos re GEOS 1 launch and launch preparations.		
SPFL-43-B45-F2 5908	<b>File - US-ESA GEOS 2 (July 1978)</b>	1968 - 1984	Location: Box 45
	<i>Scope and content:</i> Contains news clippings and press releases re extension of GEOS 2 satellite operations; change of GEOS 2's orbit; in flight damage to GEOS 2 instruments; study of earth's magnetic field; and launch of GEOS 2 by NASA. Includes correspondence re NASA's international agreements; GEOS 2 power system; and photos re GEOS 2 satellite and launch preparations.		
SPFL-43-B45-F3 5909	<b>File - GEOS 3 1975-027A April 9, 1975 @ 7:58 Pm EDT From WTR</b>		Location: Box 45
	<i>Scope and content:</i> NULL		
SPFL-43-B45-F4 5910	<b>File - Global Geospace Science Prog.</b>	1984 - 2000	Location: Box 45
	<i>Scope and content:</i> Contains news clippings and press releases re geodynamics studies of the earth's lithosphere, and magnetic and gravity fields; contract award for design of the Global Geospace Science (GGG) Wind and Polar Mission; and FY1984 funding for the GGS to support NASA's participation in the International Solar Terrestrial Physics (ISTP) Project. Includes draft monograph: "Solar Terrestrial Physics Before the Space Age".		
SPFL-43-B45-F5 17288	<b>File - Glast Observatory</b>	1998 - ?	Location: Box 45
	<i>Scope and content:</i> Contains news articles and press releases re Gamma Ray Large Area Space Telescope (GLAST), later renamed Fermi Gamma Ray Space Telescope, and gamma ray bursts; pulsars; gamma ray astronomy; launch; launch preparations; testing of Fermi; and Fermi contract. Includes Fermi science requirements; and announcement of opportunity for flight investigations.		
SPFL-43-B46-F1 5911	<b>File - GOES (See Also Sms)</b>	1973 - ?	Location: Box 46
	<i>Scope and content:</i> Contains news clippings and press releases re the use of European Space Agency (ESA) weather observation satellites as a replacement for Geostationary Operational Environmental Satellites (GOES); cost increases and construction delays for GOES; hurricane tracking; lightning sensors; GOES-NEXT satellite cost increases; design and improved weather observation accuracy of GOES; selection of Aeroneutronics Ford Incorporated to build GOES; purchase of GOES by the National Oceanic and Atmospheric Administration (NOAA); FY1984 funding for GOES development; development of GOES instruments and systems; availability of real-time data from GOES over the Internet; and FY1974 NOAA satellite program spending. Includes correspondence re the transition from the use of the Delta launch		

	vehicle to the Space Shuttle, and GOES procurement. Also contains 1996 GOES program review; and an illustration of the GOES satellite.		
SPFL-43-B46-F2 5912	<b>File - GOES-1 (NOAA Sat.) 1975-100a 16 October "75</b>	1973 - 1985	Location: Box 46
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the end of the Geostationary Operational Environmental Satellite (GOES) 1 mission due to a burned out light bulb; tracking of Hurricane Allen by GOES 1; use of weather observation satellites to aid Florida agriculture and warn of freezes; transfer of control of GOES 1 to the European Space Agency (ESA) as part of the Global Atmospheric Research Program (GARP); shift of GOES 1 to the Indian Ocean; monitoring of currents in the Gulf of Mexico and the Mississippi River; GOES 1 and the improvement of the international weather observation system; and the launch of GOES 1 by NASA for the National Oceanic and Atmospheric Administration (NOAA). Includes correspondence re NASA and NOAA participation in a Florida program to predict freezes dangerous to agriculture, and cloud imaging program for Synchronous Meteorological Satellites (SMS) and GOES; and photos re hurricane tracking and the GOES 1 launch.		
SPFL-43-B46-F3 5913	<b>File - GOES-2 (NOAA Sat.)</b>	1976 - 2007	Location: Box 46
	<i>Scope and content:</i> Contains news clippings and press releases re the launch of the Geostationary Operational Environmental Satellite (GOES) 2; National Oceanic and Atmospheric Administration (NOAA) satellite program; and GOES 2 weather observation and infrared sensing of freezes. Includes photos re the GOES 2 launch, satellite, and hurricane tracking.		
SPFL-43-B46-F4 5914	<b>File - GOES-3 (NOAA Sat.)</b>	1978 - 1991	Location: Box 46
	<i>Scope and content:</i> Contains news clippings and press releases re use of Geostationary Operational Environmental Satellite (GOES) 3 for low-cost telecommunications among Pacific island nations, cloud height determination, stereo imaging of hurricanes, infrared imaging of after effects of eruption of Mount Saint Helens, and earth terrain contour mapping; GOES 3 launch; Global Atmospheric Research Program (GARP); and Synchronous Meteorological Satellite (SMS) program launch schedule. Includes press kit re GOES 3 launch operations, project officials, and contractors; photos re Hurricanes Allen, Isis, and Fico, and GOES 3 launch; and charts of GOES 3 analyses of Greenland ice sheet topography, and Gulf Stream currents.		
SPFL-43-B46-F5 5932	<b>File - GOES-4 (1980 Sept. 9 6:27 P.M., Edt)</b>	1976 - 1988	Location: Box 46
	<i>Scope and content:</i> Contains news clippings and press releases re end of useful life of Geostationary Operational Environmental Satellite (GOES) 4; change of orbit of GOES 4; Visible Infrared Spin Scan Radiometer Atmospheric Sounder (VAS) instrument; Hughes Aircraft Company GOES satellites; launch of GOES 4 by Delta launch vehicle instead of Space Shuttle; and VAS testing. Includes correspondence re GOES program management and coordination of Space Shuttle launches; and press kit re GOES 4 instruments, data acquisition, spacecraft, launch vehicle and operations, and project team and contractors. Also includes photos re Hurricane Iwa, GOES 4 VAS observations, cloud cover imaging, launch, and pre-launch spacecraft check-out.		
SPFL-43-B46-F6 5933	<b>File - GOES-5 (1981-49a, May 22)</b>	1976 - 1991	Location: Box 46
	<i>Scope and content:</i> Contains news clippings and press releases re Geostationary Operational Environmental Satellite (GOES) 5 tracking of Hurricane David; GOES 5 photos of launch of Space Shuttle STS 3; Hughes Aircraft Company payment of refund to NASA following failure of GOES 5 satellite; tracking of volcanic ash;		

	National Oceanic and Atmospheric Administration (NOAA) satellites; GOES 5 launch; and identification of Space Shuttle payloads for first year of operations. Includes correspondence re GOES launch planning and costs and press kit re GOES 5 instruments, data acquisition, spacecraft, Delta launch vehicle and operations, project team, and contractors. Includes photos re launch of GOES 5.		
SPFL-43-B46-F7 5934	<b>File - GOES 6 (F) Replacement West (1983 Apr. 28)</b>	1976 - 1992	Location: Box 46
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re failure of Geostationary Operational Environmental Satellite (GOES) 6 and effects on hurricane tracking and weather observation; disruption of GOES 6 data acquisition because of lightning strike; launch of GOES 6 and achievement of full US weather monitoring; weather observation photos; tracking of Hurricane Diana; selection of Hughes Aircraft Company as GOES contractor; and Synchronous Meteorological Satellite (SMS) program schedule. Includes correspondence re GOES design requirements for Space Shuttle and Delta launch vehicle launches, and launch scheduling; and photos re world cloud cover pattern, GOES 6 launch preparations, and Hurricane Hugo.		
SPFL-43-B46-F8 6958	<b>File - Glory</b>	2005 - ?	Location: Box 46
	<i>Scope and content:</i> Contains news articles and press releases re Glory satellite and study of atmospheric aerosols; environmental (climate) monitoring; construction of satellite; cost of satellite; cancellation and restart of Glory satellite project; and launch failure. Includes report: "Overview of the Glory Mishap Investigation Results for Public Release". Also contains NASA NP-2010-7-160-GSFC: "Glory: Understanding Earth's Energy Budget".		
SPFL-43-B47-F1 5935	<b>File - GOES G May 3, 1986 Destroyed After Launch</b>	1981 - 1986	Location: Box 47
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the failure of the Delta launch vehicle during the launch of the Geostationary Operational Environmental Satellite (GOES) G, and investigations into the cause of the failure; loss of US weather observation capabilities; effects of the launch failure on NASA and the US space program; and GOES G launch scheduling and delays. Includes statement of President Ronald Reagan's spokesman Larry Speakes re the destruction of the Delta launch vehicle; excerpt from the Congressional Record re the introduction of legislation to improve US storm tracking abilities; and GOES G pre-launch Mission Operation Report (MOR). Also includes photos re the GOES spacecraft, and the GOES G launch and destruction of the Delta launch vehicle.		
SPFL-43-B47-F2 5936	<b>File - GOES H (7) (East) Feb. 27, 1987 1987-22a</b>	1983 - 1994	Location: Box 47
	<i>Scope and content:</i> Contains news clippings and press releases re the use of the European Space Agency's (ESA) Meteosat 3 to aid the Geostationary Operational Environmental Satellite (GOES) 7 weather observations; danger to US from hurricanes due to the limitations of the GOES satellites; discovery of flaws in the GOES-NEXT satellite and planning for backup spacecraft; interruption of GOES 7 data acquisition due to a lightning strike on a ground receiving station; GOES 7 launch and the achievement of full weather monitoring capabilities; use of private companies to launch National Weather Service satellites; and Search and Rescue Satellite (SARSAT) equipment to be flown on GOES 7. Includes GOES 7 press kit; pre-launch Mission Operation Report (MOR); and photos re the world cloud cover pattern, GOES 7 launch, and spacecraft check-out.		
SPFL-43-B47-F3 5937	<b>File - GOES I</b>	1985 - 2004	Location: Box 47
	<i>Scope and content:</i>		

	Contains news clippings and press releases re testing of the Geostationary Operational Environmental Satellite (GOES) I spacecraft; technical failures and development delays of the GOES-NEXT satellites and its impairment of US weather forecasting abilities; acceptance of further delays of GOES-NEXT launches; reliance on the European Meteosat 3 satellite as a backup for GOES 7; allegations of NASA mismanagement of GOES-NEXT; contingency planning in the event of a failure of GOES 7; contracts and costs of GOES-NEXT; construction of an expendable launch vehicle (ELV) to launch another GOES; launch of GOES I, renamed GOES 8; tracking of hurricanes; GOES 8 role in weather forecasting; and shutdown of GOES 8. Includes testimony of James R. Thompson before the House Subcommittee on the Environment and the House Subcommittee on Investigations and Oversight re the status of the GOES-NEXT satellites, and testimony of Richard R. Truly before the Senate Subcommittee on Commerce, Justice, State, the Judiciary and Related Agencies re problems with the GOES-NEXT satellites. Includes correspondence re the use of the Atlas-Centaur launch vehicle for GOES-NEXT, and GOES-NEXT Support Instrumentation Requirements Document (SIRD); and Ford Motor Company brochure re weather observation satellites. Also contains photos re GOES 8 and hurricane tracking; launch preparations; satellite testing; and artists illustrations of GOES 8.		
SPFL-43-B47-F4 11617	<b>File - GOES-9 (J) 1995, May 23</b>	1984 - ?	Location: Box 47
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re development, testing, delays, preparation, launch, and orbit of the National Oceanic and Atmospheric Administration (NOAA) Geostationary Operational Environmental Satellite (GOES) 9; and contract with Ford Aerospace for GOES-NEXT series satellites. Includes photos re preparation and launch of the GOES-J satellite on an Atlas 1 launch vehicle.		
SPFL-43-B47-F5 15665	<b>File - GOES-10 (1997, April 25)</b>	1991 - ?	Location: Box 47
	<i>Scope and content:</i> Contains news articles and press releases re Geostationary Operational Environmental Satellites (GOES) 10; efforts to save malfunctioning GOES 10; difficulties with satellite solar panel; use as backup for GOES 8 and 9; images taken of full disk of Earth; weather observation; launch of GOES 10; and shutdown of satellite. Also includes photos re GOES 10 satellite and launch preparations; testing of satellite; and launch.		
SPFL-43-B47-F6 17431	<b>File - GOES-11(L) 2000, May 3</b>	1999 - ?	Location: Box 47
	<i>Scope and content:</i> Contains news articles and press releases re testing, delays, and launch of the National Oceanic and Atmospheric Administration (NOAA) Geostationary Operational Environmental Satellite (GOES) 11 or L. Includes photos re preparation for launch and launch of the GOES 11 or L satellite on an Atlas 2 launch vehicle.		
SPFL-43-B47-F7 17432	<b>File - GOES-12 (M) 2001, July 23</b>	2001 - ?	Location: Box 47
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re delays, preparation, and launch of the National Oceanic and Atmospheric Administration (NOAA) Geostationary Operational Environmental Satellite (GOES) 12 or M. Includes photos re preparation and launch of the GOES 12 or M satellite on an Atlas 2 launch vehicle. Also includes press kit.		
SPFL-43-B48-F1 5940	<b>File - Gravity Probe-A (6/18/76)</b>	1972 - 1976	Location: Box 48
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the launch of the Relativity Gravity Probe A (GPA) to test the theory of relativity; use of atomic clocks to investigate the structure of space and time; test of the "space-time warp" theory; and the verification of the existence of gravitational waves. Includes GPA		

	post-launch Mission Operation Report (MOR); press kit re the GPA, relativity experiments, and research using atomic clocks; and correspondence re the FY1973 new start of the GPA, and relativity and atomic clock experiment proposals for the Apollo Program. Also includes photos re the GPA satellite.		
SPFL-43-B48-F2 5941	<b>File - Gravitational Probe B (Mid-1980's)</b>	1981 - 1993	Location: Box 48
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the Relativity Gravity Probe B (GPB) and investigations of how the earth's mass and rotation bend space and time; Stanford University development of GPB instruments; increasing costs of GPB; spacecraft design and instrumentation; and overview of the GPB project. Includes speech by NASA Administrator Daniel Goldin re NASA's FY1994 budget request and the inclusion of funds for GPB; article by Arthur Fisher: "Testing Einstein [again] with a Relativity Satellite"; and photos and illustrations re the GPB spacecraft and experiments.		
SPFL-43-B48-F3 5942	<b>File - GStar (GTE)</b>	1981 - 1990	Location: Box 48
	<i>Scope and content:</i> Contains news clippings and press releases re the General Telephone and Electronics (GTE) Corporation GStar satellites; GStar 3 communications satellite and its delayed maneuver into a useful orbit; launch of GStar satellites by the Ariane launch vehicle; satellite communications applications; and the Geostar Satellite system carried on GStar satellites.		
SPFL-43-B48-F4 5943	<b>File - AEM-1 (HCMM) 26 April 1978- VAFB</b>	1974 - 1982	Location: Box 48
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the Heat Capacity Measuring Mission (HCMM); applications of HCMM and LandSat satellite data; study of the earth's heat distribution; HCMM launch; selection of contractors for Applications Explorer Mission (AEM) satellites; and FY1975 funding for HCMM. Includes HCMM post-launch Mission Operation Report (MOR) and press kit; and correspondence re NASA cooperation with the US Geological Survey (USGS), AEM description, science review of HCMM, and opportunities for use of HCMM data. Also includes testimony of Charles Mathews before the House Subcommittee on Space Science and Applications re NASA FY1976 authorization bill and NASA's space applications program; transcripts of press briefings re FY1975 and FY1976 NASA budgets; and House Subcommittee on Space Science and Applications FY1975 authorization for HCMM and AEM. Includes photos by HCCM of earth surface temperature contrasts.		
SPFL-43-B48-F5 6967	<b>File - GOES N And Follow-On Satellites</b>	1997 - ?	Location: Box 48
	<i>Scope and content:</i> Contains news articles and press releases re GOES N satellite; GOES O satellite; GOES P satellite; GOES Q satellite; GOES R satellite; selection of contractors for GOES satellites; launch preparations; launch; launch delays; use of GOES satellites in weather forecasting; GOES-NEXT program; and cost of satellites. Also includes GOES-NEXT brochure.		
SPFL-43-B48-F6 18094	<b>File - GRACE (Gravity Recovery And Climate Experiment)</b>	2002 - ?	Location: Box 48
	<i>Scope and content:</i> Contains news articles and press releases re Gravity Recovery and Climate Experiment (GRACE) and development and launch of twin satellites to measure Earth water masses and gravity field; measurements of ice loss in Antarctic and Arctic; precision mapping of earth's gravity field; measurements of water tables through local variations in earth's gravity field. Includes GRACE press kit and NASA NP: "GRACE: Gravity Recovery and Climate Experiment".		
SPFL-43-B49-F1 5944	<b>File - HEAO Photos</b>	1970 - 1979	Location: Box 49

	<i>Scope and content:</i> Photos and illustrations re the High Energy Astronomy Observatory (HEAO) 3 experiments and spacecraft; HEAO hardware and configuration; HEAO 2 experiments; X-ray, gamma ray, and cosmic ray investigations; and HEAO program objectives.		
SPFL-43-B49-F2 5945	<b>File - HEAO Costs</b>	1971 - 1976	Location: Box 49
	<i>Scope and content:</i> Miscellaneous news clippings re projected High Energy Astronomy Observatory (HEAO) costs; cost reduction program for HEAO spacecraft construction; NASA cost reporting system; and FY1978 authorization for HEAO.		
SPFL-43-B49-F3 5946	<b>File - HEAO General</b>	1969 - 1980	Location: Box 49
	<i>Scope and content:</i> Contains news clippings and press releases re funding for the TRW Incorporated High Energy Astronomy Observatory (HEAO) contract; discovery of two counter rotating stars by the HEAO project; Xray, gamma ray, and cosmic ray studies of the universe by the HEAO telescopes; Xray astronomy and the study of quasars, black holes, and Xray sources; HEAO project costs and overruns; spacecraft design concepts; facility for spacecraft testing; balloon flights to test HEAO instruments; FY1973 and FY1974 restructuring and suspension of HEAO; and the award of HEAO contracts for spacecraft and systems design and development. Includes correspondence re launch vehicle planning and costs, and participation in the HEAO magnet experiment; NASA Educational Publication EP120: "Quasars, Pulsars, Black Holes...and HEAO's".		
SPFL-43-B49-F4 5947	<b>File - HEAO Documentation</b>	1969 - 1979	Location: Box 49
	<i>Scope and content:</i> Contains correspondence re the evaluation of High Energy Astronomy Observatory (HEAO) experiment proposals; HEAO studies of black holes; Marshall Space Flight Center (MSFC) manpower requirements; launch vehicle planning; MSFC management of HEAO experiments; HEAO mission operations and data management; review of Xray experiment proposals; award of the prime HEAO contract to TRW Incorporated; HEAO 2 payload selection strategy; suspension of the HEAO project; support to HEAO from the sounding rocket and balloon programs; selection of HEAO 3 payload; and costs of the HEAO 1 launch delay. Includes HEAO Project Approval Document (PAD), and HEAO project plan.		
SPFL-43-B49-F5 5948	<b>File - HEAO 1 1977-075a Aug. 12, 1977</b>	1973 - 1982	Location: Box 49
	<i>Scope and content:</i> Contains news clippings and press releases re the High Energy Astronomy Observatory (HEAO) 1 and X-ray observations; discovery of a hot gas bubble in the constellation Cygnus; mapping of space gamma ray and X-ray bursts; HEAO 1 spacecraft reentry into the earth's atmosphere; measurement of the magnetic fields of pulsars; HEAO 1 accomplishments; launch delays and problems with the HEAO 1 gyroscope; and the revised and scaled down HEAO spacecraft. Includes press kit re HEAO 1 spacecraft and observatory, launch vehicle, launch and mission operations, study of astrophysical phenomena, and the HEAO 1 project team; transcripts of press conferences re HEAO 1 final results and studies of pulsars, black holes, red giant and white dwarf stars, quasars, and radio galaxies; correspondence re the HEAO 1 public relations strategy; and Project Approval Document (PAD). Also includes photos and illustrations re the HEAO 1 spacecraft and testing, experiment hardware, spacecraft design and fabrication, X-ray detector, and HEAO 1 results.		
SPFL-43-B50-F1 5938	<b>File - HEOS 2 Photos</b>	1972	Location: Box 50
	<i>Scope and content:</i>		

	Contains photos re Highly Eccentric Orbit Satellite (HEOS) and satellite testing; arrival and checkout at Kennedy Space Center (KSC); Thor Delta launch vehicle; launch preparations; and launch.		
SPFL-43-B50-F2 5949	<b>File - HEAO 2</b>	1973 - 1985	Location: Box 50
	<i>Scope and content:</i> Contains news clippings and press releases re extension of High Energy Astronomy Observatory (HEAO) 2 satellite X-ray astronomy observations by Advanced X-ray Astrophysics Facility (AXAF); end of HEAO 2 mission; study of creation of stars' hot coronas by magnetic energy; photography of X-ray bursters and quasars; HEAO 2 launch; HEAO 2 telescope; spacecraft design review; and experiments. Includes HEAO 2 press kit re results of HEAO 1 satellite mission, HEAO 2 spacecraft and observatory, Atlas-Centaur launch vehicle, mission and launch operations, experiments, and project team. Also includes correspondence re possibility of using Space Shuttle to retrieve HEAO 2 satellite; NASA Educational Publication EP167: "High Energy Astronomy Observatory (HEAO)"; and photos re HEAO 2 spacecraft and X-ray images of celestial bodies.		
SPFL-43-B50-F3 5950	<b>File - HEAO-3 (Launched 9/20/79)</b>	1972 - 1984	Location: Box 50
	<i>Scope and content:</i> Contains news clippings and press releases re High Energy Astronomy Observatory (HEAO) 3 satellite astrophysics investigations; identification of high-energy gamma ray emissions in Milky Way; completion of HEAO 3 mission; discovery of anti-matter at core of Milky Way; study of cosmic rays and search for answers about origins of universe; HEAO 3 launch; spacecraft design reviews; and NASA balloon program support to HEAO. Includes press kit re HEAO 3 mission description and operations, scientific experiments, spacecraft design, HEAO 1 and HEAO 2 results, Atlas-Centaur launch vehicle, and HEAO project team. Also includes correspondence re the Office of Space Science and Applications's (OSSA) FY1973 new start of HEAO 3 and HEAO D; paper by Carroll C. Dailey: "Precision X-ray Telescopes on HEAO-C"; and photos re HEAO 3 spacecraft, launch, and experiments.		
SPFL-43-B50-F4 5951	<b>File - HEOS (ESRO Sat.)</b>	1964 - 1975	Location: Box 50
	<i>Scope and content:</i> Contains news clippings and press releases re European Space Research Organization's (ESRO) Highly Eccentric Orbit Satellite (HEOS) for study of magnetic fields, cosmic rays, and solar wind; HEOS 1 as first European spacecraft to explore interplanetary space; HEOS 1 support to Apollo 8 flight by supplying information about cosmic radiation and solar wind; and international news clippings of HEOS 1 launch. Includes press kit re HEOS experiments; spacecraft; tracking; Thor-Delta launch vehicle; and program participants. Contains correspondence re Goddard Space Flight Center (GSFC) support to HEOS; and HEOS satellite proposal. Also includes photos re HEOS satellite, and signing of HEOS launch services agreement by Robert Seamans and Pierre Auger.		
SPFL-43-B50-F5 5952	<b>File - HEOS-2</b>	1972	Location: Box 50
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re launch of Highly Eccentric Orbit Satellite (HEOS) 2 and studies of interplanetary physics and earth's magnetosphere. Includes press kit re HEOS 2 spacecraft design, experiments, Delta launch vehicle, and project organization; and photos re HEOS 2 spacecraft and launch.		
SPFL-43-B50-F6 16512	<b>File - HEAO-A And HEAO-B Project Plan For Experiments</b>	11/9/1972	Location: Box 50
	<i>Scope and content:</i> Includes Goddard Space Flight Center (GSFC) report re High Energy Astronomy Observatory (HEAO-A) and (HEAO-B) "Project Plan for High Energy Astronomy Observatory HEAO-A -- Execution Phase HEAO-B -- Systems Definition Phase".		

SPFL-43-B51-F1 5953	<p><b>File - Hitchhiker STS-61c (1986) &amp; STS-39</b> 1981 - 1991 Location: Box 51</p> <p><i>Scope and content:</i></p> <p>Miscellaneous news clippings re the Project Hitchhiker payloads on Space Shuttle STS 61C and STS 39, and management of Project Hitchhiker by the Goddard Space Flight Center (GSFC). Includes STS 61C press kit and post-flight operation report; GSFC document: "Hitchhiker G Customer Accommodations and Requirements Specification"; and photos re the loading of the STS 61C payload.</p>
SPFL-43-B51-F2 5954	<p><b>File - HS 601 Satellites</b> 1999 Location: Box 51</p> <p><i>Scope and content:</i></p> <p>Contains news articles and press releases re construction and launch of HS 601 series communications satellites by Hughes Aircraft Company.</p>
SPFL-43-B51-F3 5958	<p><b>File - Hubble Space Telescope Photos (1 Of 4)</b> 1985 - ? Location: Box 51</p> <p><i>Scope and content:</i></p> <p>Contains photos taken by the Hubble Space Telescope (HST) re galaxies, possible evidence of black holes, quasars, Jupiter, Mars, and Saturn. Includes photos and illustrations re the HST spacecraft; deployment by the Space Shuttle STS 31 remote manipulator system (RMS) or shuttle arm; Space Telescope Operations Control Center (STOCC); spacecraft assembly and monitoring; astronaut neutral buoyancy simulator training; and HST observing instruments. Also includes HST and STS 31 mission patches; and STS 31 mission chart.</p>
SPFL-43-B51-F4 6971	<p><b>File - Hubble Space Telescope Photos (2 Of 4)</b> 1990 - 1998 Location: Box 51</p> <p><i>Scope and content:</i></p> <p>Contains photos re Hubble Space Telescope (HST) and Crab Nebula; Eagle Nebula; spiral galaxies; radio astronomy; Hubble deep field; Wide Field Planetary Camera 2 (WFPC 2); Mars; planetary nebulas; deployment of HST; first HST servicing mission; stars; globular clusters; gamma ray bursts; second HST servicing mission; gravitational lensing; Saturn; Uranus; supernovas; Jupiter; galaxies; and impact of comet Shoemaker-Levy 9 into Jupiter.</p>
SPFL-43-B51-F5 16198	<p><b>File - HGS-1 (Hughes) Satellite (Formerly AsiaSat 3)</b> 1998 Location: Box 51</p> <p><i>Scope and content:</i></p> <p>Contains news news articles and press releases re communications satellite Asiasat 3 and failure to achieve geosynchronous orbit; orbital correction after lunar flybys; renaming as HGS-1; attempt to find customers for HGS-1 satellite.</p>
SPFL-43-B51-F6 17071	<p><b>File - HETE-2</b> 2000 - ? Location: Box 51</p> <p><i>Scope and content:</i></p> <p>Contains news articles and press releases re High Energy Transient Explorer 2 (HETE 2) and launch aboard Pegasus launch vehicle; gamma ray astronomy; gamma ray bursts; and reentry into earth's atmosphere. Includes US-Argentina joint study of HETE; correspondence re cost of joint HETE mission; and artist's illustration of HETE satellite.</p>
SPFL-43-B51-F7 17283	<p><b>File - HESSI (2001)</b> 1995 - ? Location: Box 51</p> <p><i>Scope and content:</i></p> <p>Contains news articles and press releases re High Energy Solar Spectroscopic Imager (HESSI) and solar exploration; study of solar flares; damage at the Jet Propulsion Laboratory (JPL) during testing; airborne</p>

	launch aboard Pegasus launch vehicle; and launch delays. Includes photos re mating of Pegasus launch vehicle to aircraft.		
SPFL-43-B52-F1 5957	<b>File - Hubble Space Telescope (HST) Photographs (4 Of 4)</b>  <i>Scope and content:</i>  Contains photos taken by the Hubble Space Telescope (HST) re Jupiter, embryonic galaxies, Pluto, supernovas, and quasars. Includes photos and illustrations re the HST spacecraft; release by the Space Shuttle remote manipulator system (RMS) or shuttle arm; tracking and data relay system; Space Telescope Operations Control Center; spacecraft assembly and construction; transport of HST components; observing instruments; inspection and cleaning of the HST mirror; solar array wings; vibration tests; HST configuration; astronaut training in the Neutral Buoyancy Simulator; and the HST wide field camera. Includes poster re the HST design and instruments; and brochure: "NASA Space Telescope: A New Look in Astronomy".	1979 - 1990	Location: Box 52
SPFL-43-B52-F2 5963	<b>File - Large Space Telescope 1974-1975</b>  <i>Scope and content:</i>  Miscellaneous correspondence and memoranda re the FY1977 new start of the NASA Large Space Telescope (LST), later renamed the Hubble Space Telescope (HST); limitations of ground-based telescopes; Martin Marietta Corporation and Boeing Company LST cost savings estimates; reports to Congress of LST objectives and benefits, instruments, capabilities, performance, cost reductions, design, FY1975 costs, and projected FY1977 new start costs; involvement of the Perkin-Elmer Corporation in the LST project; involvement of astronomers in LST; cost increases; restoration of FY1975 funding; comparisons and contrasts between LST and ground-based telescopes, the Orbiting Astronomical Observatory (OAO), and very large array (VLA) radio antennas; the effects FY1975 budget reductions on NASA's astronomy projects; and the benefits to society from LST. Includes testimony of Jesse L. Greenstein re the FY1975 LST budget, and John E. Naugle before the House Subcommittee on Space Science and Applications re the LST project; paper by Simon P. Worden: "The Limitations of Astronomical Image Reconstruction"; NASA Astronomy Program Review, 1970; and photos and illustrations re the LST spacecraft design and mirror.	1970 - 1975	Location: Box 52
SPFL-43-B52-F3 6973	<b>File - Hubble Space Telescope (HST) Photos (3 Of 4)</b>  <i>Scope and content:</i>  Contains photos re the Hubble Space Telescope (HST) and galaxies; Hubble Deep Field; Orion nebula; planetary nebulas; HST instruments; HST mission operations; HST servicing missions; construction of HST; HST Orbital Systems Test Platform (HOST); comet Levy; supernova 1987A; artists' illustrations of HST; HST mockups; collision of comet Shoemaker-Levy 9 with Jupiter; HST mirror; HST deployment; and HST testing.	1976 - 1998	Location: Box 52
SPFL-43-B53-F1 5962	<b>File - Space Telescope</b>  <i>Scope and content:</i>  Contains news clippings and press releases re the Hubble Space Telescope (HST) project; HST communications, deployment from the Space Shuttle, observation instruments, design features, and repair provisions; the High Resolution Spectrograph instrument; launch delays and Space Shuttle manifest assignments; HST advantages of space-based astronomy; selection of camera and spectrometer investigations; spacecraft testing; Xray telescopes; polishing and testing of the HST mirror; NASA battles with the Office of Management and Budget (OMB) over the FY1985 and FY1986 NASA budgets; testing of the HST electrical system; cost overruns, project delays, and program management; requests for observing time on HST; renaming of the Space Telescope (ST) as the Edwin P. Hubble Space Telescope; FY1981 and FY1982 NASA budgets; Space Telescope Science Institute; NASA cooperation with the European Space Agency (ESA); and testing of the HST guidance system. Includes paper by Robert W. Smith and Joseph N. Tatarewicz: "Replacing a Technology: The Large Space Telescope and	1976 - 1986	Location: Box 53

	CCDs"; and articles by Paul Hanle re Congressional involvement with and approval of the HST project. Also contains Congressional testimony from Daniel McCarthy, Noel Hinners, William McKeathley, and William Wright re status of HST.		
SPFL-43-B53-F2 6976	<b>File - Hubble Space Telescope (HST) Publications</b>	1982 - 2004	Location: Box 53
	<i>Scope and content:</i> Contains NASA and contractor publications: "Hubble Space Telescope: A universal search for understanding"; "Hubble Space Telescope Update: 18 Months in Orbit"; "Operating Space Telescope Goddard Space Flight Center: A Closer Look"; Hubble 2004: Science Year in Review"; "Hubble Space Telescope: A Cosmic Time Machine"; "Space Telescope"; NASA NP 126: "Exploring the Universe with the Hubble Space Telescope"; "Designing an Observatory for Maintenance in Orbit: The Hubble Space Telescope"; NASA EP 166: "Space Telescope"; "Live from the Hubble Space Telescope"; and "Exploring the Universe with NASA's Hubble Space Telescope: A Science Writer's Guide."		
SPFL-43-B54-F1 5960	<b>File - Hubble Space Telescope Pad</b>	1977 - 1988	Location: Box 54
	<i>Scope and content:</i> Hubble Space Telescope (HST) Project Approval Documents (PAD) re project objectives, operations, management, procurement, schedule, funding, and costs.		
SPFL-43-B54-F2 9992	<b>File - Space Telescope Science Institute Riccardo Giacconi Material</b>	1983 - 1989	Location: Box 54
	<i>Scope and content:</i> Contains correspondence, contract proposals, and procurement requests collected by Riccardo Giacconi re a grant to the Space Telescope Science Institute, "Staff Research".		
SPFL-43-B54-F3 17892	<b>File - Space Telescope (Later Hubble ST) - Selection Of Contractor, Seb Report 1977</b>	1977	Location: Box 54
	<i>Scope and content:</i> Includes NASA publications re "Optical Telescope Assembly for the Space Telescope Contract Perkin-Elmer;" "Selection of Contractor for an Optical Telescope Assembly;" and "Space Telescope Project Optical Telescope Assembly, Source Evaluation Board Report of Findings."		
SPFL-43-B54-F4 18402	<b>File - Hubble Space Telescope (HST) Project History</b>	1990	Location: Box 54
	<i>Scope and content:</i> Includes Hubble Space Telescope (HST) project history from NASA Budget Office with cost data summary; project status reviews; fiscal year budgets; flight project data; President's, Congressional budget, and OMB budget estimates; cost charts; and miscellaneous articles.		
SPFL-43-B55-F1 5961	<b>File - Hubble Space Telescope (HST) Costs</b>	1975 - 1991	Location: Box 55
	<i>Scope and content:</i> Contains news clippings re Hubble Space Telescope (HST) costs; the costs of using Space Shuttle missions to repair HST; costs of replacement cameras to correct HST's blurred vision; review of profits by Perkin-Elmer Corporation subcontractors working on HST mirrors; overpayment of contractors by NASA; investigation by the General Accounting Office (GAO) of HST cost overruns and project management; project delays; and FY1977 new start of a smaller Large Space Telescope (LST). Includes correspondence re cost and schedule reviews of the Space Telescope project, and FY1983 Office of Space Science and Applications (OSSA) budget plan. Also includes House Subcommittee on HUD-Independent Agencies FY1979 and FY1978 appropriations for NASA's Space Telescope; and speech by NASA Administrator James C. Fletcher re FY1978 NASA budget and the beginning of development and construction on the HST.		

SPFL-43-B55-F2 5982	<b>File - Hubble Space Telescope (HST) Post-Launch Newsclips (1990-1993)</b>  <i>Scope and content:</i> Contains news clippings and press releases re the Hubble Space Telescope (HST) operations and discoveries; observations of supernova shock waves, formation and evolution of galaxies, black holes, dark matter, quasars, Jupiter, Saturn, Mars, and Pluto; assessment of financial liability of contractors for poor workmanship on HST; productivity of HST despite its flaws; use of large spacecraft for space exploration; repair missions; Perkin-Elmer Corporation management of the HST mirror project; radiation damage to HST guidance sensors; wobble of the HST due to flaws in the spacecraft solar array panels; space-based versus ground-based telescopes; humorous cartoons on the problems association with HST; discovery of and investigation into the focusing defects of the HST mirror; failure to test HST before its launch; deployment by Space Shuttle STS 31; possibility of Space Shuttle mission to repair HST; and testing of the spacecraft following deployment.	1990 - 1993	Location: Box 55
SPFL-43-B55-F3 5983	<b>File - Hubble Space Telescope (HST) Press Kit</b>  <i>Scope and content:</i> Contains European Space Agency (ESA) press kit re the Hubble Space Telescope (HST) Faint Object Camera (FOC), solar array panels, and European participation in the HST project. Includes press releases re the timeline for HST instrument activation; HST project origins, telescope design and instruments, and the role of the NASA centers in the project; HST deployment mission; HST command control, observation, and data flow; and HST instruments: Goddard High Resolution Spectrograph (GHRS), Wide Field and Planetary Camera (WF/PC), Faint Object Spectrograph (FOS), High Speed Photometer (HSP), and the FOC.	1989 - 1990	Location: Box 55
SPFL-43-B55-F4 5985	<b>File - Hubble Space Telescope (HST) Press Briefing 6/27/90</b>  <i>Scope and content:</i> Transcripts of a press conference re the spherical aberration in the Hubble Space Telescope's mirror (HST), and its effect on the HST mission.	6/27/1990	Location: Box 55
SPFL-43-B55-F5 5986	<b>File - Hubble ST Investigation 1990</b>  <i>Scope and content:</i> Miscellaneous news clippings re the investigation into the spherical aberration of the Hubble Space Telescope (HST) mirror; and assessment of responsibility for the HST flaw between NASA and the Perkin-Elmer Corporation. Includes transcript of a statement by Lew Allen re the HST Optical Systems Board of Investigation; and NASA Technical Memorandum TM103443: "The Hubble Space Telescope Optical Systems Failure Report".	1990 - 1992	Location: Box 55
SPFL-43-B55-F6 5987	<b>File - Hubble Strategy For Recovery...</b>  <i>Scope and content:</i> Report of the Space Telescope Science Institute: "Hubble Space Telescope (HST) Strategy Panel: A Strategy for Recovery" re the recovery of the HST after the discovery of the spherical aberration in the telescope's main mirror. Includes brochures re the Space Telescope Science Institute science data analysis system and Lockheed Aircraft Corporation contributions to the HST.	1987 - 1990	Location: Box 55
SPFL-43-B55-F7 9991	<b>File - Space Telescope Science Institute</b>  <i>Scope and content:</i> Miscellaneous news clippings, press releases, correspondence, and photographs re the Space Telescope Science Institute, and the role of the Institute as a Hubble Space Telescope (HST) user facility.	1978 - ?	Location: Box 55

SPFL-43-B56-F1 5984	<b>File - Hubble Space Telescope (HST) Post-Launch Official</b>	1990 - 1994	Location: Box 56
<i>Scope and content:</i> Contains press releases re the release of Hubble Space Telescope (HST) photos; HST studies of the formation of solar systems, dark matter, solar flares, the expansion of the universe, and Jupiter; European Space Agency (ESA) participation; accomplishments of HST despite its early problems; failure of an HST attitude control sensor; initial results of the HST Optical Systems Board of Investigation; the ESA Faint Object Camera (FOC); discovery of focusing problems with the HST mirror; and HST in-orbit testing.			
SPFL-43-B56-F2 11101	<b>File - Hubble Space Telescope Servicing Mission 3a Media Reference Guide</b>	1999	Location: Box 56
<i>Scope and content:</i> Contains Hubble Space Telescope Servicing Mission 3A Media Reference Guide prepared by Lockheed Martin.			
SPFL-43-B56-F3 18080	<b>File - Hubble Space Telescope Servicing Mission 3b Media Reference Guide</b>		Location: Box 56
<i>Scope and content:</i> Includes Hubble Space Telescope Servicing Mission 3B Media Reference Guide prepared by Lockheed Martin.			
SPFL-43-B57-F1 5988	<b>File - Hubble Space Telescope (HST) First Servicing Mission (STS-61)</b>	1979 - ?	Location: Box 57
<i>Scope and content:</i> Contains news clippings and press releases re proposed extravehicular activity (EVA) or space walks by Space Shuttle astronauts to repair the Hubble Space Telescope (HST); planning and scheduling of HST repair missions; practice for HST repair in the neutral buoyancy simulator; design of the corrective lens; costs and planning HST repair missions; launch of STS-61 mission to service and repair HST; successful EVAs to install Wide Field and Planetary Camera 2 (WFPC-2) and Corrective Optics Space Telescope Axial Replacement (COSTAR); repair of faulty HST gyroscope; and improvement of HST images after installation of WFPC-2 and COSTAR. Includes Critical Design Review (CDR) for HST first servicing mission; and material on COSTAR testing and HST thermal control lessons learned. Also contains correspondence re HST servicing.			
SPFL-43-B57-F2 6980	<b>File - Hubble Space Telescope (HST) General (2002-</b>	2002 - ?	Location: Box 57
<i>Scope and content:</i> Contains news articles and press releases re Hubble Space Telescope (HST) and display of Wide Field Planetary Camera 2 (WFPC-2) and Corrective Optics Space Telescope Axial Replacement (COSTAR) at the Smithsonian Air and Space Museum; galaxies; extrasolar planets; Jupiter; instrument failures; imagery; 15th anniversary of deployment of HST; nebulas; use to aid Vision for Space Exploration (VSE) planning; and astronomy.			
SPFL-43-B58-F1 7017	<b>File - Hubble Space Telescope (HST) Third Repair Mission (STS-103) 1999</b>	1999 - 2000	Location: Box 58
<i>Scope and content:</i> Contains news articles and press releases re Hubble Space Telescope (HST) and servicing mission 3A, the third HST repair mission; STS-103 mission; replacement of HST gyroscopes; launch delays; replacement of HST computer and instruments; and successful return to HST operations.			
SPFL-43-B58-F2 7043	<b>File - Hubble Space Telescope (HST) General (1999-2001)</b>	1999 - 2001	Location: Box 58
<i>Scope and content:</i>			

	Contains news articles and press releases re Hubble Space Telescope (HST) and imagery; nebulae; galaxies; astronomy; extrasolar planets; Mars; black holes; HST 10th anniversary; HST spinoffs; Jupiter; Hubble constant; and gyroscope failures prior to 3rd HST servicing mission.		
SPFL-43-B58-F3 7057	<b>File - Hubble Space Telescope (HST) General (1993-1998)</b>	1993 - 1998	Location: Box 58
	<i>Scope and content:</i> Contains news articles and press releases re Hubble Space Telescope (HST) and first HST servicing mission, STS-61; astronomy; extrasolar planets; supernova 1987A; nebulae; impact of Comet Shoemaker-Levy 9 into Jupiter; galaxies; discovery of black holes; gamma ray astronomy; HST imagery; and planetary astronomy. Includes photos re HST and galaxies.		
SPFL-43-B58-F4 13930	<b>File - Hubble Space Telescope (HST) Second Repair Mission (STS-82) 1997</b>	1994 - 1997	Location: Box 58
	<i>Scope and content:</i> Contains news articles and press releases re extravehicular activity (EVA) or space walks by Space Shuttle STS 82 astronauts to upgrade scientific instruments on the Hubble Space Telescope (HST); planning and scheduling of HST repair missions; and STS 82 mission crew selection. Includes photos re scientific instruments to be installed on HST; EVAs by STS-82 crew to upgrade HST instruments; and STS-82 crew portrait.		
SPFL-43-B59-F1 5981	<b>File - Hubble Space Telescope (HST) General II</b>	1983 - 1990	Location: Box 59
	<i>Scope and content:</i> Contains news clippings and press releases re the Hubble Space Telescope (HST); launch of Space Shuttle STS 31 carrying HST; costs and problems associated with HST; Johns Hopkins University's involvement with the Hopkins Ultraviolet Telescope (HUT) and HST; release of HST images to the public; charging of the HST batteries; benefits of HST and space-based astronomy; HST mirror; STS 31 pre-launch status reports; search for clues about the beginnings of the universe; danger to HST from nuclear powered satellites and from space debris; transport of HST to Kennedy Space Center (KSC); Space Shuttle program assignments and launch delays as a result of the Challenger accident; optical astronomy; HST ground systems testing; Gamma Ray Observatory (GRO), Advanced X-ray Astrophysics Facility (AXAF), and the Space Infrared Telescope Facility (SIRTF); use of HST by amateur astronomers; and the Challenger accident. Includes press releases re the HST Faint Object Camera, High Resolution Spectrograph, and the Faint Object Spectrograph.		
SPFL-43-B59-F2 5990	<b>File - Hubble Results (Newsclips)</b>	1990 - ?	Location: Box 59
	<i>Scope and content:</i> Miscellaneous news clippings re astronomical observations and discoveries of the Hubble Space Telescope (HST); evidence to support the existence of black holes; accomplishments of HST despite problems with its main mirror; study of dark matter and the gravitational lens effect; origins and life cycle of the universe; and humorous cartoons about HST.		
SPFL-43-B59-F3 18018	<b>File - Hubble Repair #4 (STS-109) 2002</b>	1994 - 2002	Location: Box 59
	<i>Scope and content:</i> Contains news clippings and press releases re fourth and final servicing mission involving extravehicular activity (EVA) or space walks by Space Shuttle STS 109 astronauts to upgrade scientific instruments on the Hubble Space Telescope (HST) including installation of Advanced Camera for Surveys (ACS), new batteries, new solar arrays, new gyroscopes, and new cooling system. Also includes "Hubble Space Telescope Servicing Mission 4 Media Reference Guide".		
SPFL-43-B59-F4 18401	<b>File - Hubble Space Telescope (HST) - Fifth Repair Mission 2002-</b>	2002 - ?	Location: Box 59

	<i>Scope and content:</i> Contains news clippings, and press releases re fifth servicing mission to upgrade scientific instruments on Hubble Space Telescope (HST); possible use of robots for servicing mission; temporary cancellation of servicing mission after Columbia (STS 107) accident; decision to go ahead with fifth servicing mission aboard STS-125; delays of HST servicing due to failure of data handling unit; and successful HST servicing on STS-125, including replacement of Wide Field Planetary Camera 2 (WFPC-2) and removal of Corrective Optics Space Telescope Axial Replacement (COSTAR).		
SPFL-43-B60-F1 5964	<b>File - Hubble Space Telescope (HST)</b> <b>Media Reference Guide</b>	1990	Location: Box 60
	<i>Scope and content:</i> Media guide re the Hubble Space Telescope (HST) project; astronomical investigations; spacecraft systems and configuration; cameras, spectrographs, photometers, and guidance sensors; mission description; and program management and organization.		
SPFL-43-B60-F2 5991	<b>File - NASM - Space Telescope History Project</b>	1987	Location: Box 60
	<i>Scope and content:</i> Catalog of items and oral histories collected by the Space Telescope History Project of the National Air and Space Museum and the History of Science Department at the Johns Hopkins University.		
SPFL-43-B60-F3 5992	<b>File - Hubble Space Telescope (HST)</b> <b>Brochures</b>	1976 - 1986	Location: Box 60
	<i>Scope and content:</i> Contains brochures from the Space Telescope Science Institute, Perkin-Elmer Corporation, Marshall Space Flight Center (MSFC), Lockheed Aircraft Corporation, and Martin Marietta Corporation re NASA's Space Telescope (ST) project. Includes NASA Educational Publication EP166 by Joseph J. McRoberts: "Space Telescope" re the history of NASA's space telescope project, spacecraft, science instruments, in-orbit maintenance, Space Telescope Science Institute, astronomy, and planned HST observations. Also includes press releases re the Hubble Space Telescope (HST) instruments: the Goddard High Resolution Spectrograph (GHRS), Wide Field and Planetary Camera (WF/PC), Faint Object Spectrograph (FOS), High Speed Photometer (HSP), and the Faint Object Camera (FOC); and press releases re the HST command/control, observation, and data flow.		
SPFL-43-B60-F4 5993	<b>File - Hubble Space Telescope (HST)</b> <b>Documentation</b>	1965 - 1987	Location: Box 60
	<i>Scope and content:</i> Contains correspondence re NASA cooperation with the European Space Agency (ESA) on its Large Space Telescope (LST) project, later renamed the Hubble Space Telescope (HST); origins of the HST project and its expected contributions to astronomy; HST costs; evaluation of proposals for HST investigations; deferral of the start of the HST project from FY1977 to FY1978; use of the Space Shuttle for HST launch and repair; project management reports; FY1977 budget planning; and preparation of testimony before the House Subcommittee on Space Science and Applications on HST progress. Includes testimony of Noel W. Hinners and William C. Keathley before the House Subcommittee on Space Science and Applications re the development, schedule status, and costs of the HST project; transcripts of FY1985 and FY1978 budget press conferences re funding for the HST; and a 1980 report re HST project progress, budgets and costs, and telescope maintenance.		
SPFL-43-B60-F5 5998	<b>File - Hubble Space Telescope (HST):</b> <b>Excelco, Inc.</b>	1985	Location: Box 60
	<i>Scope and content:</i> Manuscript re Excelco Developments, Incorporated and work for the Perkin-Elmer Corporation on NASA's Hubble Space Telescope (HST). Includes photos re construction of Excelco's ring for HST, and other Excelco projects.		

SPFL-43-B61-F1 5994	<b>File - Hubble Space Telescope (HST) Documentation</b>	1964 - 1996	Location: Box 61
<p><i>Scope and content:</i></p> <p>Miscellaneous correspondence re a 1981 status report on the space telescope (ST) project rephasing and development; reprogramming of FY1984 and FY1982 ST funds; the Solar Optical Telescope project; report to the Senate Committee on Appropriations re the selection of ST principal investigators; public information plan for the Hubble Space Telescope (HST) project; ST cost and schedule review; review of the motivation, teamwork, and performance of the HST team; the reorganization of the Space Telescope (ST) project management; reprogramming of FY1984 funding for ST and for NASA physics and astronomy projects; fee structure for the Perkin-Elmer Corporation and Lockheed Aircraft Corporation contracts; preparation of testimony before the House Subcommittee on Space Science and Applications re ST project status, costs, schedule, and post-launch operations; Solar Optical Telescope project; and FY1983 funding requirements for the Space Shuttle's ST operations. Includes NASA Technical Translation TTF9227 by Hermann Oberth: "Rockets in Planetary Space" re space telescopes; and press release re the Hubble Space Telescope (HST) Scientific Instrument Control and Data Handling system.</p>			
SPFL-43-B61-F2 5995	<b>File - Hubble Space Telescope (HST) Review (1978)</b>	1978	Location: Box 61
<p><i>Scope and content:</i></p> <p>Contains manuscripts re a 1978 review of the Space Telescope (ST) project for the Office of Space Sciences (OSS), financial management and project costs, contract status, spacecraft design, science instruments, and the Tracking and Data Relay Satellite Systems (TDRSS). Includes manuscripts re planning and justifications for the creation of the Space Telescope Science Institute.</p>			
SPFL-43-B61-F3 5997	<b>File - Hubble Space Telescope (HST) W/ ESA Documentation</b>	1975 - 1978	Location: Box 61
<p><i>Scope and content:</i></p> <p>Contains correspondence re the drafting of a Memorandum of Understanding (MOU) between NASA and the European Space Agency (ESA) on the Hubble Space Telescope (HST) project; impact of the FY1979 ST funding cut on ESA support of the project; ESA Faint Object Camera (FOC).</p>			
SPFL-43-B62-F1 5999	<b>File - Hubble Space Telescope (HST): Congressional Documents</b>	1976 - 1984	Location: Box 62
<p><i>Scope and content:</i></p> <p>House Subcommittee on Space Science and Applications documents re testimony on NASA Hubble Space Telescope (HST) costs, schedule, development delays, project management, and the establishment of the Space Telescope Science Institute; and Subcommittee reports re HST costs, schedule, and performance reviews. Includes NASA Special Publication SP392: "The Space Telescope" including papers from the 1975 meeting of the American Astronautical Society re scientific and industrial progress on the HST.</p>			
SPFL-43-B62-F2 6127	<b>File - Large Space Telescope (1976-1977) (Later Renamed Hubble Space Telescope (HST))</b>	1976 - 1977	Location: Box 62
<p><i>Scope and content:</i></p> <p>Contains correspondence from the files of John E. Naugle re the selection of investigators for the Large Space Telescope (LST), later renamed the Hubble Space Telescope (HST); the roles of Marshall Space Flight Center (MSFC) and Goddard Space Flight Center (GSFC) in the HST project; HST project organization; European Space Agency (ESA) involvement with the HST; FY1976 funding for HST; and NASA decision to exclude the HST from the FY1977 budget, and defer its start until FY1978. Includes correspondence from the astronomical community and an article re protests about the absence of the HST from the FY1977 budget. Includes a report from a conference: "International Aspects of Space Observatories".</p>			

SPFL-43-B62-F3 6128	<b>File - Large Orbiting Astronomical Telescope</b>  <i>Scope and content:</i>  Contains news clippings and press releases re the deferral of the start of the Large Space Telescope (LST), later renamed the Hubble Space Telescope (HST) from FY1977 to FY1978; HST design studies; operations and capabilities; vote of the House Committee on Appropriations to kill the HST project; and use of the Space Shuttle for HST development. Includes correspondence re renaming the LST, cost reduction plans, procurement, and facilities. Also includes excerpts from the FY1974 NASA budget briefing re support to the HST; and article by C. Robert ODell: "Optical Space Astronomy and Goals of the Large Space Telescope". Includes report of the National Academy of Sciences (NAS) Space Science Board Ad Hoc Committee on the Large Space Telescope: "Scientific Uses of the Large Space Telescope"; American Institute of Aeronautics and Astronautics (AIAA) Annual Meeting report: "Large Space Telescope-A New Tool for Science"; and brochures and illustrations re the HST.	1968 - 1976	Location: Box 62
SPFL-43-B63-F1 5955	<b>File - IME (ESRO) See Also ISEE (Mother/Daughter 1977)</b>  <i>Scope and content:</i>  Contains news clippings re the European Space Research Organization (ESRO) IME satellite, and other ESRO magnetospheric studies.	1973 - 1974	Location: Box 63
SPFL-43-B63-F2 5956	<b>File - Satellites Injun</b>  <i>Scope and content:</i>  Contains press releases and news clippings re the Injun Explorer satellites and the study of radiation in the earth's upper atmosphere, and of the relationship between the Aurora Borealis and the Van Allen radiation belts.	1962 - 1965	Location: Box 63
SPFL-43-B63-F3 5996	<b>File - IKONOS Satellites</b>  <i>Scope and content:</i>  Contains news articles re unsuccessful launch of IKONOS 1 satellite and successful launch of IKONOS 2 satellite.	1999 - 2000	Location: Box 63
SPFL-43-B63-F4 6000	<b>File - Hubble Space Telescope (HST) History</b>  <i>Scope and content:</i>  Contains manuscripts re the Hubble Space Telescope (HST) history project of the National Air and Space Museum and the History of Science Department at the Johns Hopkins University, including a catalog of images in the HST history project collection; bibliography prepared by the HST history project; and a guide to the Space Telescope archives.	1987	Location: Box 63
SPFL-43-B63-F5 17909	<b>File - IMAGE Satellite (Imager For Magnetopause To Aurora Global Exploration)</b>  <i>Scope and content:</i>  Contains news clippings and press releases re IMAGE satellite (Imager for Magnetopause to Aurora Global Exploration) and testing; development of IMAGE; launch; study of Earth magnetosphere; study of auroras; and space weather.	1992 - ?	Location: Box 63
SPFL-43-B63-F6 18503	<b>File - ICESat</b>  <i>Scope and content:</i>  Contains news clippings and press releases re development, launch, and scientific results of Ice, Cloud, and land Elevation Satellite (ICESat) satellite. Includes ICESat brochure.	2002 - ?	Location: Box 63

SPFL-43-B64-F1 6001	<b>File - Intl. Maritime Satellite</b>	1974 - ?	Location: Box 64
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re European Maritime Communication Satellites (MARECS); Maritime Orbital Test Satellites (MARISAT); European and Space Research Organization (ESRO) and COMSAT Corporation participation in International Maritime Satellite Organization (INMARSAT); privatization of INMARSAT; and INMARSAT creation. Includes news clippings re Global Positioning System (GPS); Carcom satellite-based public pay phone system; and INMARSAT 2 and 3 satellite launches. Also includes press releases re the launch of INMARSAT communications satellites by the Space Shuttle; brochures re MAROTS maritime satellites and INMARSAT 3; and Congressional Record excerpts re International Maritime Satellite Telecommunications Act.</p>			
SPFL-43-B64-F2 6002	<b>File - INSAT-1 (India) 1982-31 (10 Apr.)</b>	1977 - 1982	Location: Box 64
<p><i>Scope and content:</i></p> <p>Miscellaneous news clippings, press releases, and correspondence re failure and abandonment of Indian INSAT 1A communications and weather observation satellite; launch of INSAT 1A by NASA; insurance claims by Indian government on failed INSAT 1A; weather observation instruments; and signing of satellite launch agreement between NASA and India. Includes photos re launch and construction of INSAT 1A.</p>			
SPFL-43-B64-F3 6003	<b>File - INSAT 1-B (STS-8) Aug. 31, 1983 1983-89b</b>	1982 - 1983	Location: Box 64
<p><i>Scope and content:</i></p> <p>Miscellaneous news clippings and press releases re the activation of the weather observation, communications, and broadcasting systems on the Indian INSAT 1B satellite; repair of jammed INSAT 1B solar panels; costs of replacing the INSAT 1A satellite; deployment of INSAT 1B by Space Shuttle STS 8; and INSAT 1B hit by space debris. Includes photos re the launch of INSAT 1B by STS 8, and the STS 8 payload.</p>			
SPFL-43-B64-F4 6004	<b>File - US-Spain INTASAT 15 Nov., 1974 1974-089c</b>	1970 - 1975	Location: Box 64
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re Spanish INTASAT satellite and launch; design; and ionosphere research. Includes photos re INTASAT satellite.</p>			
SPFL-43-B64-F5 6005	<b>File - INTELSAT Documentation</b>	1964 - ?	Location: Box 64
<p><i>Scope and content:</i></p> <p>Contains news articles re International Telecommunications Satellite Organization (INTELSAT) satellites; use of Intelsat and Molniya satellites for communications "hot line" between the US and Soviet Union (USSR) governments; and INTELSAT privatization and mergers. Includes correspondence re NASA scheduling of launches of Intelsat satellites; launch costs; launch agreements between NASA and COMSAT Corporation; satellite communications coverage; launch vehicles; Intelsat satellites' orbital positions; Intelsat satellites support of tracking and communications during Apollo flights; NASA protest of INTELSAT oversight role; and the NASA equipment and facilities used for Intelsat satellite launches.</p>			
SPFL-43-B64-F6 6006	<b>File - Satellites Early Bird</b>	1963 - 2005	Location: Box 64
<p><i>Scope and content:</i></p> <p>Includes news articles and press releases re 25th, 10th, and 5th anniversaries of launch of COMSAT Corporation's Early Bird satellite; world's first commercial communications satellite; retirement of Early Bird and reactivation for emergency satellite back-ups; use by airlines to relay passenger data; COMSAT Corporation revenue and profits from Early Bird; reliance on satellites by communications industry; use</p>			

	of Early Bird for national and international television coverage; filing of Early Bird tariffs with Federal Communications Commission (FCC); televising of Gemini 4 launch; Early Bird launch by NASA; and ground operations. Includes correspondence re possible use of Early Bird to support Apollo program; possible use of Early Bird for Gemini 5 television; FCC approval of and involvement with Early Bird; US government communications tests using Early Bird; Early Bird program objectives and NASA participation; and NASA launch policy and charges. Also includes photos re Early Bird satellite.		
SPFL-43-B65-F1 6007	<b>File - INTELSAT Ii-A (2f-1) Lani Bird 1</b>	1965 - 1982	Location: Box 65
	<i>Scope and content:</i> Contains news clippings and press releases re satellite television broadcasts; Intelsat 2A satellite ("Lani Bird 1"), owned by International Telecommunications Satellite Organization (INTELSAT) and operated by COMSAT Corporation; use of Intelsat 2A for Pacific area communications; operation of Intelsat 2A despite failure to achieve proper orbit; Intelsat 2 spacecraft; Delta launch vehicle; and Intelsat 2 project officials. Includes correspondence re Intelsat 2 operations plan; and photos re launch of Intelsat 2A, Intelsat ground stations, and map of satellite communications coverage.		
SPFL-43-B65-F2 6008	<b>File - INTELSAT Ii-B (2f-2) Lani Bird 2</b>	1966 - 1968	Location: Box 65
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re Intelsat 2B ("Lani Bird 2") communications satellite; use of Intelsat satellites to relay medical data; Intelsat 2B and establishment of first full-time commercial satellite communications link across Pacific Ocean; and Intelsat 2B launch by NASA. Includes correspondence re COMSAT Corporation payments to NASA for Intelsat launches, Intelsat 2B operations plan, post-launch support, and communications and frequency management; and photos re Intelsat 2B on launch pad.		
SPFL-43-B65-F3 6009	<b>File - Satellites - INTELSAT Ii-C Atlantic Ii (INTELSAT Ii F-3)</b>	1967 - 1969	Location: Box 65
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the launch of the Intelsat 2C satellite ("Canary Bird") for communications and television links between North America and Europe; correspondence re the relocation of Intelsat 2C, and Intelsat 2C operations plan; post-launch and pre-launch Mission Operation Report (MOR); and photos re pre-launch check-out of Intelsat 2C, and the Delta launch vehicle.		
SPFL-43-B65-F4 6010	<b>File - INTELSAT Ii-d</b>	1967 - 2007	Location: Box 65
	<i>Scope and content:</i> Contains news clippings and press releases re launch of Intelsat 2D communications satellite, 40th anniversary of Intelsat 2D, and launch costs; correspondence re post-launch support to Intelsat 2D, and determination of charges for NASA reimbursable launches; and photo re Intelsat 2D launch.		
SPFL-43-B65-F5 6011	<b>File - INTELSAT-III (General)</b>	1967 - 1970	Location: Box 65
	<i>Scope and content:</i> Contains press releases re the extension of International Telecommunications Satellite Organization (INTELSAT) coverage with the Intelsat 3 satellite series; Delta launch vehicle; INTELSAT international telecommunications agreements; INTELSAT ground stations; and the Intelsat 3 spacecraft and systems. Includes correspondence re the FY1969 Project Approval Document (PAD) for the Intelsat 3 reimbursable launch; Intelsat 3 program schedule; and photos re the pre-launch check-out of the Intelsat 3 satellite, global communications coverage by Intelsat 3, and Intelsat 3 and the Delta launch vehicle on the launch pad.		
SPFL-43-B65-F6 6012	<b>File - INTELSAT III F-1 (INTELSAT III-A) (Failed)</b>	1968 - 1971	Location: Box 65

	<i>Scope and content:</i> Contains news articles, press releases, and correspondence re the investigation into the failure of the Delta launch vehicle during the launch of the Intelsat 3A communications satellite; Intelsat 3 television coverage of the Olympic games; construction of Intelsat 3 subsystems; lawsuit filed by Comsat Corporation over the failure of launch vehicle; and the Intelsat 3 mechanically despun antenna. Includes photos re the Intelsat 3A satellite and its launch by a Delta launch vehicle.		
SPFL-43-B65-F7 6013	<b>File - INTELSAT-III F-2 (Atlantic III)</b>	1968 - 1969	Location: Box 65
	<i>Scope and content:</i> Contains news clippings, press releases, and correspondence re the interruption of Intelsat 3 (F2) satellite communications due to an antenna malfunction, and backup coverage provided by the Early Bird satellite; Intelsat 3 (F2) commercial coverage of the Apollo 8 flight; and the launch of Intelsat 3 (F2) by NASA for COMSAT Corporation. Includes Intelsat 3 (F2) post-launch Mission Operation Report (MOR).		
SPFL-43-B65-F8 6014	<b>File - INTELSAT-III-F-3</b>	1969 - 1979	Location: Box 65
	<i>Scope and content:</i> Miscellaneous press releases and news clippings re the termination of Intelsat 3 (F3) communications satellite operations; Intelsat 3 (F3) satellite coverage of the Indian and Pacific Oceans; and launch of Intelsat 3 (F3) by NASA for COMSAT Corporation. Includes post-launch and pre-launch Mission Operation Report (MOR); and photos re the pre-launch check-out, and launch of Intelsat 3 (F3).		
SPFL-43-B65-F9 6015	<b>File - INTELSAT III-F-4</b>	1969	Location: Box 65
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the Intelsat 3 (F4) communications satellite and the establishment of the first global commercial telephone relay satellite network; and the launch of Intelsat 3 (F4) by NASA for COMSAT Corporation. Includes post-launch Mission Operation Report (MOR); and photos re the launch of Intelsat 3 (F4).		
SPFL-43-B65-F10 6016	<b>File - INTELSAT III-F-5</b>	1969 - 1988	Location: Box 65
	<i>Scope and content:</i> Contains news clippings and press releases re the investigation into the failure of the Intelsat 3 (F5) communications satellite to achieve useful orbit; and photo re the Intelsat 3 (F5) launch.		
SPFL-43-B65-F11 6017	<b>File - INTELSAT III-F-6</b>	1969 - 1970	Location: Box 65
	<i>Scope and content:</i> Contains news clippings and press releases re the Intelsat 3 (F6) communications satellite launch by NASA for COMSAT Corporation, commercial communications service over the Atlantic Ocean, and insurance on the satellite. Includes photos re the launch of Intelsat 3 (F6).		
SPFL-43-B65-F12 6018	<b>File - INTELSAT III-F-7</b>	1970	Location: Box 65
	<i>Scope and content:</i> Miscellaneous press releases and news clippings re Intelsat 3 (F7) communications satellite launch, boost into a useful orbit, and establishment of communication services over the Atlantic Ocean. Includes pre-launch Mission Operation Report (MOR); and photo re the Intelsat 3 (F7) launch.		
SPFL-43-B65-F13 6019	<b>File - INTELSAT III-F-8</b>	1970	Location: Box 65

	<i>Scope and content:</i> Contains news clippings and press releases re the Intelsat 3 (F8) communications satellite, loss of contact with the satellite, and launch by NASA for COMSAT Corporation. Includes photos re the launch of Intelsat 3 (F8).		
SPFL-43-B65-F14 6020	<b>File - INTELSAT III-1/2</b>	1968	Location: Box 65
	<i>Scope and content:</i> Miscellaneous news clippings re bids for definition of an Intelsat 3 1/2 communications satellite.		
SPFL-43-B65-F15 6021	<b>File - INTELSAT IV</b>	1967 - 1974	Location: Box 65
	<i>Scope and content:</i> Contains news clippings and press releases re the Intelsat 4 satellites; use of satellites for domestic telephone communications; shorter than expected design life of Intelsat 4 satellites; use of Intelsat 4 to relay medical information; satellite television coverage of the Olympic games; selection of the Atlas-Centaur launch vehicle to launch Intelsat 4; and Intelsat 4 development by the COMSAT Corporation. Includes correspondence re Intelsat 4 payment and launch schedules, costs, and NASA-COMSAT relations.		
SPFL-43-B65-F16 6022	<b>File - INTELSAT IV-F-1 1975-042a May 22, 1975...</b>	1972 - 1975	Location: Box 65
	<i>Scope and content:</i> Includes news article and press releases re Intelsat 4. Contains press kit re the Intelsat 4 worldwide satellite communications network, Atlas-Centaur launch vehicle, and launch of Intelsat 4 (F1) communications satellite. Includes photos re launch of Intelsat 4 (F1) and launch preparations.		
SPFL-43-B65-F17 6023	<b>File - INTELSAT IV F-2 (1st Launch In Series)</b>	1970 - 1973	Location: Box 65
	<i>Scope and content:</i> Contains news clippings and press releases re reduced power output of Intelsat 4 communications satellite series; Intelsat 4 backup of telephone and telegraph cables; first trans-Atlantic picture telephone call; use of satellites for television broadcasts; Intelsat 4 (F2) launch, orbital maneuvers, and placement over Atlantic Ocean; and Intelsat 4 solar panels. Includes photos re Intelsat 4 (F2) launch.		
SPFL-43-B65-F18 6024	<b>File - INTELSAT IV F-3 (2nd Launch In Series)</b>	1971 - 1972	Location: Box 65
	<i>Scope and content:</i> Contains news clippings and press releases re Intelsat 4 series of communications satellites; and Intelsat 4 (F3) launch, positioning over Atlantic Ocean, and telephone communications link. Includes photos re Intelsat 4 (F3) launch and pre-launch check-out. Also contains correspondence re Intelsat 4 (F3) launch date.		
SPFL-43-B66-F1 6025	<b>File - INTELSAT IV F-4 (Third Launch)</b>	1972 - 1974	Location: Box 66
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re Intelsat 4 communications satellite network; launch and operations of Intelsat 4 (F4); and China's interest in participating in worldwide satellite communications. Includes Intelsat 4 (F4) press kit and photos re Intelsat 4 (F4) launch.		
SPFL-43-B66-F2 6026	<b>File - INTELSAT IV F-5 (Fourth Launch In Series)</b>	1972	Location: Box 66
	<i>Scope and content:</i>		

	Miscellaneous news clippings and press releases re Intelsat 4 series of communications satellites, and launch and operations of Intelsat 4 (F5). Includes press kit and launch photos.
SPFL-43-B66-F3 6027	<b>File - INTELSAT IV F-6 Destroyed By Range Safety Officer...</b> 1973 - 1975 Location: Box 66  <i>Scope and content:</i> Contains news articles and press releases re the destruction of the Atlas-Centaur launch vehicle carrying the Intelsat 4 (F6) communications satellite; and Intelsat 4 (F6) press kit. Includes photos re the Intelsat 4 (F6) launch prior to its destruction.
SPFL-43-B66-F4 6028	<b>File - INTELSAT IV F-7 (August 23, 1973) 1973-058a</b> 1973 Location: Box 66  <i>Scope and content:</i> Contains news clippings and press releases re Intelsat 4 communications satellite network, and launch of Intelsat 4 (F7) satellite. Includes launch photos.
SPFL-43-B66-F5 6029	<b>File - INTELSAT IV F-8 21 November 1974</b> 1974 Location: Box 66  <i>Scope and content:</i> Miscellaneous news clippings, press releases, and press kit re Intelsat 4 (F8) communications satellite, launch, and operations; and photos re Intelsat 4 (F8) launch.
SPFL-43-B66-F6 6030	<b>File - INTELSAT IV-A</b> 1972 - 1976 Location: Box 66  <i>Scope and content:</i> Contains news clippings and press releases re the use of satellites to carry, by laser beam, the Olympic flame from Greece to Canada; Intelsat 4 spacecraft and operations; the International Telecommunications Satellite Organization (INTELSAT) and global communications system; Atlas-Centaur launch vehicle; contract award to Hughes Aircraft Company for construction of Intelsat 4A satellites; and use of Intelsat 4A to compensate for the short design life of the Intelsat 4 satellite series. Includes correspondence re Intelsat 4A costs; program delays; and NASA launch services.
SPFL-43-B66-F7 6031	<b>File - INTELSAT IV-A 1975-091a 15 Sept. 1975</b> 1974 - 1975 Location: Box 66  <i>Scope and content:</i> Contains news clippings, press kit, and photos re the launch of the first Intelsat 4A communications satellite.
SPFL-43-B66-F8 6032	<b>File - INTELSAT IV-A F-2 1976 Jan. 29 Etr 1976-010a 6:56 Pm Est</b> 1974 - 1976 Location: Box 66  <i>Scope and content:</i> Press kit and photos re launch of Intelsat 4A (F2) communications satellite; and press releases re an agreement between COMSAT Corporation, International Telecommunications Satellite Organization (INTELSAT), and Hughes Aircraft Company to build Intelsat 4A satellites.
SPFL-43-B66-F9 6033	<b>File - INTELSAT IV A F-3 (7 Jan 78-002a)</b> 1977 - 1978 Location: Box 66  <i>Scope and content:</i> Contains press releases and news clippings re the Intelsat 4A communications satellite operations; Intelsat 4A (F3) launch and placement in orbit over the Pacific Ocean; and the Atlas-Centaur launch vehicle. Includes Intelsat 4A (F3) press kit, and launch photos.
SPFL-43-B66-F10 6034	<b>File - INTELSAT IV A F-4 (26 May 77-041a)</b> 1976 - 1977 Location: Box 66

	<i>Scope and content:</i> Contains news clippings, press releases, and photos re launch of Intelsat 4A (F4) communications satellite.
SPFL-43-B66-F11 6035	<b>File - INTELSAT IV A F-5 (Destroyed) 29 Sept. 1977</b> 1977 - 1978      Location: Box 66  <i>Scope and content:</i> Miscellaneous news clippings re the failure of the Atlas-Centaur launch vehicle during the launch of the Intelsat 4A (F5) communications satellite. Includes post-launch Mission Operation Report (MOR); and photos re the destruction of the Atlas-Centaur launch vehicle.
SPFL-43-B66-F12 6036	<b>File - INTELSAT IVa F-6 (1978-035a) Etr 31 Mar. 1978</b> 1978      Location: Box 66  <i>Scope and content:</i> Contains news clippings, press releases, and press kit re the launch of the Intelsat 4A (F6) communications satellite, telephone circuit capacity, and satellite service over the Indian Ocean. Includes photos re the launch of Intelsat 4A (F6).
SPFL-43-B66-F13 6037	<b>File - INTELSAT V General</b> 1973 - 1989      Location: Box 66  <i>Scope and content:</i> Contains news clippings and press releases re the Intelsat 5 communications satellites' telephone and television capacity, launch by the Ariane launch vehicle, use for maritime communications, and design and planning. Includes correspondence re NASA support to COMSAT Corporation for Intelsat 5 launches, and the transition from the use of the Atlas-Centaur launch vehicle to the Space Shuttle to launch Intelsat 5; brochure re COMSAT satellite technology; map of the worldwide Intelsat system; and illustrations re the Intelsat 5 satellite configuration.
SPFL-43-B66-F14 6038	<b>File - INTELSAT V-F-1 1981 May 23 Edt Ksc 6:42 P.M.</b> 1978 - 1981      Location: Box 66  <i>Scope and content:</i> Contains news clippings and press releases re Intelsat 5 (F1) communications satellite launch and international telecommunications; and planning for Intelsat 5 satellite series. Includes launch photos.
SPFL-43-B66-F15 6039	<b>File - INTELSAT V F-2 (1980 Dec. 6) Ksc (Esmc)</b> 1979 - 1981      Location: Box 66  <i>Scope and content:</i> Contains press releases, news clippings, and press kit re the Intelsat 5 (F2) communications satellite launch, television broadcasts, and use as a backup satellite; and photos re the Intelsat 5 (F2) launch and pre-flight assembly.
SPFL-43-B67-F1 6040	<b>File - INTELSAT V F-3 1981 Dec.15 6:35 Pm Est</b> 1981      Location: Box 67  <i>Scope and content:</i> Miscellaneous news clippings and press releases re Intelsat 5 (F3) communications satellite launch and operations and photos re launch and pre-launch assembly of Intelsat 5 (F3).
SPFL-43-B67-F2 6041	<b>File - INTELSAT V-F-4 1982-17a Atlas/Centaur 4 March 1982</b> 1981 - 1982      Location: Box 67  <i>Scope and content:</i> Miscellaneous news clippings and press releases re the Intelsat 5 (F4) launch and Intelsat launch schedules; post-launch and pre-launch Mission Operation Report (MOR); and photos re the Intelsat 5 (F4) launch.

SPFL-43-B67-F3 6042	<b>File - INTELSAT V F-5 1982-97a 28 Sept 1982</b> <b>1982 Atlas/Centaur</b> <i>Scope and content:</i> Miscellaneous news clippings, press releases, and press kit re the Intelsat 5 (F5) communications satellite launch, maritime communications, launch schedule, and Atlas-Centaur launch vehicle; and photos re the launch of Intelsat 5 (F5).	1982	Location: Box 67
SPFL-43-B67-F4 6043	<b>File - INTELSAT V F-6 19 May 1983 6:26 Pm Edt 1983-047a</b> <i>Scope and content:</i> Contains news clippings, press releases, press kit, and photos re the Intelsat 5 (F6) communications satellite launch and Atlas-Centaur launch vehicle.	1980 - 1983	Location: Box 67
SPFL-43-B67-F5 6044	<b>File - INTELSAT V F-7 Launched Oct 19 1983 1983-105a By Ariane</b> <i>Scope and content:</i> Contains press releases and news clippings re the launch of the Intelsat 5 (F7) communications satellite by the Ariane launch vehicle; and photos re Intelsat 5 (F7) pre-launch preparations.	1980 - 1984	Location: Box 67
SPFL-43-B67-F6 6045	<b>File - INTELSAT V F-8 March 5, 1984 Launched By Ariane</b> <i>Scope and content:</i> Miscellaneous news clippings and press releases re the launch of the Intelsat 5 (F8) communications satellite by the European Space Agency (ESA) and the Ariane launch vehicle; and the decision to launch an eighth Intelsat 5 satellite. Includes press kit re the Intelsat 5 satellites, Ariane launch vehicle, and launch facilities in French Guiana.	1979 - 1984	Location: Box 67
SPFL-43-B67-F7 6046	<b>File - INTELSAT V F-9 Failed To Orbit Properly 1984-075a Atlas-Centaur</b> <i>Scope and content:</i> Miscellaneous news clippings and press releases re the Intelsat 5 (F9) communications satellite and the failure of the Atlas-Centaur launch vehicle to place it in the proper orbit. Includes post-launch Mission Operation Report (MOR); and photos re the stretched Atlas-Centaur and pre-launch assembly of the Intelsat 5 (F9).	1984 - 1985	Location: Box 67
SPFL-43-B67-F8 6047	<b>File - INTELSAT V A</b> <i>Scope and content:</i> Contains news clippings and press releases re the Intelsat 5A series of communications satellites, launch schedules, purchase of communications satellites, and funding for Intelsat 5A. Includes newsletter re the Intelsat 5 and 5A worldwide communications network; and photos re Intelsat 5 satellites.	1986 - 1989	Location: Box 67
SPFL-43-B67-F9 6048	<b>File - INTELSAT V-A (F-12) 87a 1985 Sept 28 7:36 Pm</b> <i>Scope and content:</i> Miscellaneous press releases, press kit, and photos re launch of Intelsat 5A (F12) communications satellite, and final launch of Intelsat satellite by Atlas-Centaur launch vehicle.	1985	Location: Box 67
SPFL-43-B67-F10 6049	<b>File - INTELSAT V-A (F-10) 25a 1985, March 22</b> <i>Scope and content:</i> Contains news clippings and press releases re the launch of the Intelsat 5A (F10) communications satellite, launch delays, and Ariane and Atlas-Centaur launch vehicles. Includes photos re the launch of Intelsat 5A (F10).	1981 - 1985	Location: Box 67

SPFL-43-B67-F11 6050	<b>File - INTELSAT V-A (F-11) 55a 1985,</b> <b>June 30</b> <i>Scope and content:</i> Miscellaneous news clippings, press releases, and photos re launch of Intelsat 5A (F11) communications satellite.	1985	Location: Box 67
SPFL-43-B67-F12 6051	<b>File - INTELSAT V-A (F-13) 40a 1988,</b> <b>May 17</b> <i>Scope and content:</i> Contains press releases re the launches of the Intelsat 5A (F13) and Intelsat 5A (F15) communications satellites.	1988 - 1989	Location: Box 67
SPFL-43-B67-F13 6052	<b>File - INTELSAT-Reboost/STS-49</b> <i>Scope and content:</i> Miscellaneous news clippings and press releases re the rescue of the Intelsat 6 (F3) communications satellite by the Space Shuttle STS 49; STS 49 crew; dispute between Martin Marietta Corporation and the International Telecommunications Satellite Organization (INTELSAT) over payment for Intelsat 6 (F3); and the Intelsat 6 (F3) launch and faulty orbit. Includes photos re extravehicular activity (EVA) or space walk, and work with the Space Shuttle Remote Manipulator System (RMS) or shuttle arm by astronauts Richard Hieb, Thomas Akers, and Pierre Thuot.	1990 - 1992	Location: Box 67
SPFL-43-B67-F14 6053	<b>File - INTELSAT VI Series</b> <i>Scope and content:</i> Contains news clippings and press releases re the Intelsat 6 series of communications satellites; technical flaws of an Intelsat 6 built by Hughes Aircraft Company; Space Shuttle STS 49 extravehicular activity (EVA) or space walk and the rescue of Intelsat 6 (F3); suit filed by the International Telecommunications Satellite Organization (INTELSAT) against Martin Marietta Corporation for the faulty launch of Intelsat 6 (F3); Intelsat 6 design and testing; and competition for Intelsat 6 launch services.	1977 - 1997	Location: Box 67
SPFL-43-B67-F15 6054	<b>File - INTELSAT VII Series</b> <i>Scope and content:</i> Miscellaneous news clippings re the Intelsat 7 series of communications satellites, spacecraft design and testing, Space Systems/Loral Corporation construction delays, contract awards, and launch services. Includes Space Systems/Loral brochure re the Intelsat 7 satellites.	1991 - ?	Location: Box 67
SPFL-43-B67-F16 18889	<b>File - INTELSAT Satellites VIII Series -</b> <i>Scope and content:</i> Contains news articles and press releases re Intelsat VIII, 9, and follow-on series of communications satellites; spacecraft design and testing; and hosted government payloads.	1995 - ?	Location: Box 67
SPFL-43-B68-F1 6069	<b>File - IRAS Photographs</b> <i>Scope and content:</i> Miscellaneous photos and illustrations re the Infrared Astronomical Satellite (IRAS) launch, infrared images of celestial bodies and formations, infrared emission graphs, ground stations, orbit characteristics, comets, pre-launch assembly, and the plasma interaction experiment.	1979 - 1984	Location: Box 68
SPFL-43-B68-F2 6070	<b>File - IRAS (Infrared Astronomical Sat)</b> <b>US/Netherlands Jan 25, 1983</b> <i>Scope and content:</i>	1975 - 1998	Location: Box 68

	Contains news clippings and press releases re Infrared Astronomical Satellite (IRAS); results indicating discovery of new planetary systems; catalog of infrared sources; infrared telescopes; origin and life cycle of star systems; cooperation between US, United Kingdom (UK), and Netherlands on IRAS; study of asteroids and comets; German work on second IRAS; IRAS launch; and signing of agreement between NASA and Netherlands Agency for Aerospace Programs. Includes correspondence re use of IRAS for asteroid studies, and Jet Propulsion Laboratory (JPL) involvement with IRAS; press kit re IRAS infrared telescope, spacecraft systems, communications, mission operations, project management, and tracking and communication; and IRAS brochure and project history.		
SPFL-43-B68-F3 6071	<b>File - IRAS Studies</b>	1976 - 1983	Location: Box 68
	<i>Scope and content:</i> Miscellaneous press releases re the discovery by Infrared Astronomical Satellite (IRAS) of comets and other new objects in the solar system, and the IRAS project; brochure re IRAS and space technology from the Netherlands; and transcript of a statement by Gael F. Squibb re infrared astronomy. Includes manuscript: "IRAS: Report of the Joint Scientific Mission Definition Team for an Infra-Red Astronomical Satellite" re IRAS science objectives, spacecraft systems and configuration, and project schedule and costs.		
SPFL-43-B68-F4 6074	<b>File - ISEE-3 (1978-79a) Aug. 12, '78 (Renamed Ice)</b>	1978 - 1983	Location: Box 68
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re International Sun Earth Explorer (ISEE) 3 mission, measurements of solar wind from an orbit between earth and Sun, NASA and European Space Agency (ESA) cooperation, and affect of International Brotherhood of Teamsters strike on ISEE 3 launch. Includes correspondence re use of Pioneer Project instrumentation by ISEE 3; and photos and illustration re ISEE 3 launch and spacecraft.		
SPFL-43-B69-F1 6072	<b>File - Int'l Cometary Explorer (Nee ISEE-3)</b>	1983 - 2014	Location: Box 69
	<i>Scope and content:</i> Contains news clippings and press releases re the transfer of ownership of the International Cometary Explorer (ICE) spacecraft to the National Air and Space Museum; interception of the Giacobini-Zinner Comet; reactivation as it flew by Earth in 2014; and the International Sun-Earth Explorer (ISEE) 3 mission (later renamed as ICE). Includes ICE poster; and illustrations re the ICE spacecraft and orbital path. Also contains the Memorandum of Agreement (MoA) between the National Science Foundation (NSF) and NASA for support to the ICE mission.		
SPFL-43-B69-F2 6073	<b>File - ISEE: Int. Magnetosphere Explorers (IME) (Mother/Daughter 1977)</b>	1973 - 1987	Location: Box 69
	<i>Scope and content:</i> Contains news clippings and press releases re the International Sun Earth Explorers (ISEE) 1 and 2, comparative measurements of the magnetosphere, European and US studies of the solar system outside of the planetary plane, and the launch of ISEE 1 and 2. Includes correspondence re European Space Agency (ESA) and NASA cooperation on the ISEE Project; press kit re the ISEE science instruments, spacecraft, and payload; and photos re the ISEE 1 and 2 spacecraft.		
SPFL-43-B69-F3 6075	<b>File - Sats: ISIS [Alouette 2 And Explorer XXXI]</b>	1960 - 1970	Location: Box 69
	<i>Scope and content:</i> Contains news clippings and press releases re the launch of the Alouette 2 and Direct Measurement Explorer (DME) satellites as part of the joint US and Canadian International Satellite for Ionospheric Studies (ISIS)-X project; applications of the design of ionosphere exploration satellites to satellite antenna systems; and the study of energetic particles in the atmosphere by ISIS satellites. Includes ISIS X press kit; correspondence re ISIS X launch planning, experiments, and Delta launch vehicle; paper by		

	G.L. Nelms and G.E.K. Lockwood: "Early Results from the Topside Sounder in the Alouette II Satellite"; and photos re ISIS satellites.		
SPFL-43-B69-F4 6076	<b>File - ISIS-I (International Satellite For Ionospheric Studies)</b>	1965 - 1979	Location: Box 69
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re joint US and Canadian International Satellite for Ionospheric Studies (ISIS) 1 satellite, support from Space Tracking and Data Acquisition Network (STADAN), use of Alouette satellites for extended scientific missions, and Canadian space program. Includes ISIS 1 press kit and correspondence re ISIS 1 launch scheduling; and photos and illustrations re ISIS 1 satellite, launch, and orbital path.		
SPFL-43-B69-F5 6077	<b>File - ISIS-2</b>	1971 - 1979	Location: Box 69
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re joint US and Canadian International Satellite for Ionospheric Studies (ISIS) 2 satellite, and support from Space Tracking and Data Acquisition Network (STADAN). Includes ISIS 2 press kit re scientific experiments, ionospheric research, and Delta launch vehicle; and photos re ISIS X and ISIS 2 satellites.		
SPFL-43-B69-F6 7098	<b>File - ISIS X And ISIS B Photos</b>	1965 - 1971	Location: Box 69
	<i>Scope and content:</i> Contains photos re International Satellite for Ionospheric Studies (ISIS) ISIS X and ISIS B satellites; Delta launch vehicle; launch preparations; and satellite testing.		
SPFL-43-B69-F7 15121	<b>File - Explorer 31 (Alouette 2 Co-Sat) 1965-Nov. 29</b>	1965	Location: Box 69
	<i>Scope and content:</i> Contains news clippings, articles, correspondence, and press releases re launch of Alouette 2 and Direct Measurement Explorer-A (DME) satellites as part of joint US and Canadian International Satellite for Ionospheric Studies (ISIS)-X project; study of energetic particles in the atmosphere by ISIS satellites; and scientific cooperation between US and Canada. Includes ISIS-X press kit.		
SPFL-43-B70-F1 6078	<b>File - ITOS-1 And Oscar-5 Jan. 23, 1970</b>	1966 - 1974	Location: Box 70
	<i>Scope and content:</i> Contains news clippings and press releases re Improved Tiros Operational Satellites (ITOS) for weather observation; ITOS 1 use of infrared imagery to measure ocean temperatures; management of ITOS by Environmental Science Service Administration (ESSA); launch of ITOS 1 with Australian Oscar-5 piggyback payload; and launch vehicle planning. Includes correspondence re ITOS procurement, FY1967 funding, instrumentation, spacecraft design review, and costs; and ITOS 1 press kit. Also includes photos re ITOS 1 satellite, launch, spacecraft configuration, and weather observations.		
SPFL-43-B70-F2 6079	<b>File - International Ultraviolet Explorer (Iue) (Etr, 1978) 1978-012a</b>	1972 - 2002	Location: Box 70
	<i>Scope and content:</i> Contains press releases and news clippings re joint NASA and European Space Agency (ESA) International Ultraviolet Explorer (IUE) Satellite; IUE ultraviolet studies of supernovas, Comet Halley and other comets, and black holes; ultraviolet astronomy; space telescopes; IUE launch; IUE telescope and other instrumentation; 10th anniversary; IUE transition to European control; and termination of IUE. Includes correspondence re naming of IUE, termination of IUE, and Delta launch vehicle capabilities; and photos re IUE launch, spacecraft configuration, IUE observatory facility, and sky mapping by IUE sensor.		

SPFL-43-B70-F3 7180	<b>File - Jason 2 Satellite</b>	2005 - ?	Location: Box 70
	<i>Scope and content:</i> Contains news articles and press releases re Jason 2 satellite and launch; and cooperation between the US and France; oceanography; and mapping the ocean surface.		
SPFL-43-B70-F4 7231	<b>File - Jason 3 Satellite</b>	2007 - ?	Location: Box 70
	<i>Scope and content:</i> Contains news articles re Jason 3 satellite, a US-French oceanography satellite, and funding.		
SPFL-43-B70-F5 17917	<b>File - Jason 1 Satellite (2001-</b>	2001 - ?	Location: Box 70
	<i>Scope and content:</i> Contains news clippings and press releases re Jason 1, a joint France - U.S. oceanography satellite and launch; study of earth's oceans; and use of Jason data in weather forecasts. Includes press kits.		
SPFL-43-B71-F1 6080	<b>File - LAGEOS (Laser Geodetic Survey)</b>	1970 - 2004	Location: Box 71
	<i>Scope and content:</i> News clippings and press releases re the LAGEOS 1 satellite, originally known as Cannonball; studies of the earth's rotation rate, continental drift, and earthquakes through the use of laser reflection; selection of LAGEOS investigations; plate movement along the San Andreas Fault; international cooperation; spacecraft assembly; and FY1974 funding for LAGEOS. Includes press kit; House Subcommittee on Space Science and Applications FY1975 appropriations for LAGEOS; and photos re the LAGEOS spacecraft and assembly; LAGEOS investigators; and illustrations re LAGEOS methods of measuring the earth's motions and earthquakes. Also contains correspondence re LAGEOS satellite studies, status reports, and plaque carried on satellite.		
SPFL-43-B71-F2 6081	<b>File - LAGEOS 2 (Launched From STS-52)</b>	1983 - 2004	Location: Box 71
	<i>Scope and content:</i> Contains news clippings and press releases re the launch of the LAGEOS 2 geodetic satellite from Space Shuttle STS 52; use of lasers to study earth plate movements; cooperation between NASA and Italy; use of LAGEOS 2 to confirm Einstein's theory of relativity; and STS 52 payload status reports. Includes brochure, press kit, and photos re the LAGEOS 2 satellite.		
SPFL-43-B71-F3 6082	<b>File - LAGEOS Scientific Results: JGR</b>	1985	Location: Box 71
	<i>Scope and content:</i> Reprint from the "Journal of Geophysical Research" re the results of the LAGEOS 1 geodetic satellite.		
SPFL-43-B71-F4 7234	<b>File - LAGEOS III</b>	1986 - 1995	Location: Box 71
	<i>Scope and content:</i> Contains correspondence and fact sheets re LAGEOS 3 satellite and use of satellite to test Einstein's theory of relativity. Satellite was never launched. Also includes paper: "Measurement of the Lense-Thirring Effect on LAGEOS and Another High Altitude Laser Ranged Artificial Satellite" by Ignazio Ciufolini.		
SPFL-43-B71-F5 18093	<b>File - Kepler Mission</b>	2001 - ?	Location: Box 71
	<i>Scope and content:</i>		

	Contains news clippings and press releases re Kepler planet finding spacecraft and development; contract for Kepler camera; launch; discovery of extrasolar planets; and scientific confirmation of extrasolar planets located by Kepler. Includes Ball Aerospace Kepler photo disk.		
SPFL-43-B72-F1 16124	<b>File - LandSat -- General</b>	1974 - 1979	Location: Box 72
	<i>Scope and content:</i> Miscellaneous news clippings, articles, and correspondence re LandSat satellites; capability of LandSat to forecast global agricultural harvests; joint NASA - Department of Agriculture (DOA) Large Area Crop Inventory Experiment (LACIE) project; use of LACIE to forecast wheat harvests; Earth Resources Observation Systems (EROS); and remote sensing. Includes paper, "The Use of Landsat Data in a Large Area Crop Inventory Experiment (LACIE)", by R.B. MacDonald, F.G. Hall. and R.B. Erb; Congressional Research Service report: "Landsat (Earth Resources Satellite System)", by Patricia E. Humphlett and Marcia S. Smith; LACIE symposium reports, "Peer Evaluation of the Large Area Crop Inventory Experiment" and " ... Proceedings of Plenary Session", JSC-14550 and JSC-14551; NASA Facts NF-57: "Why Survey from Space?"; and paper model kit of Tiros satellite.		
SPFL-43-B72-F2 16391	<b>File - LandSat Satellites General 1977-1983</b>	1977 - 1983	Location: Box 72
	<i>Scope and content:</i> Miscellaneous news clippings, articles, and press releases re the LandSat satellite program and remote sensing applications; and Landsat 1, Landsat 2, Landsat 3, and Landsat 4 satellites.		
SPFL-43-B72-F3 17920	<b>File - LandSat - National And Remote Sensing Policy Acts 1984-1991</b>	1984 - 1991	Location: Box 72
	<i>Scope and content:</i> Includes background briefing re National Land Remote Sensing Policy Act of 1991. Also includes sample of Policy Act to be submittted to House committee. Also includes Land Remote-Sensing Commercialization Act of 1984 with 1987 amendments.		
SPFL-43-B72-F4 18887	<b>File - LandSat Satellites General Ii, 1990-</b>	1990 - ?	Location: Box 72
	<i>Scope and content:</i> Contains news clippings and press releases re the LandSat satellite program and remote sensing applications; the Land Remote Sensing Policy Act of 1992 and other legislation on LandSat operations and data distribution; privatization of the LandSat satellites and the sale of LandSat data; privacy and civil rights issues concerning the use of satellite data; and applications of remote sensing to water conservation, resource management, pollution monitoring, drug trafficking detection, and archeology. Includes news clippings and press releases re the transfer of control of the LandSat program from the National Oceanic and Atmospheric Administration (NOAA) to NASA and the Department of Defense (DoD); commemorative stamps; use of remote sensing during the Persian Gulf War; the Earth Observing System (EOS); Eosat Corporation operation of LandSat 4 and 5 and the marketing of LandSat data; uses of LandSats in China; transfer of LandSat from NASA to NOAA; construction of ground stations; the designation of NOAA to manage civilian remote sensing activities; and the uses of earth observation in developing nations.		
SPFL-43-B73-F1 6083	<b>File - LandSat Satellites General I, 1975-1989</b>	1975 - 1989	Location: Box 73
	<i>Scope and content:</i> Contains news articles and press releases re: the LandSat satellite program and remote sensing applications; legislation on LandSat operations and data distribution; privatization of the LandSat satellites and the sale of LandSat data; privacy and civil rights issues concerning the use of satellite data; and applications of remote sensing to water conservation, resource management, pollution monitoring, drug trafficking detection, and archeology. Includes news clippings and press releases re the transfer of control of the LandSat program from the National Oceanic and Atmospheric Administration (NOAA) to		

	NASA and the Department of Defense (DoD); and the uses of earth observation in developing nations. Also includes Office of Space and Terrestrial Applications (OSTA) LandSat users guide: "The Landsat Story"; and maps re a color photomosaic of the US, and LandSat coverage of Alaska, Hawaii, and the continental US. Includes LandSat photos re Texas, South Carolina, mineral exploration, China, agriculture monitoring, weather observation, forest inventory in California, wheat growth in Nebraska, natural resources management in Oregon, and thematic mapping of Georgia. Includes an illustration re the LandSat 2 satellite.		
SPFL-43-B73-F2 6084	<b>File - LandSat-1 1972-058a (7/23/72)</b>	1967 - 1978	Location: Box 73
	<p><i>Scope and content:</i></p> <p>Contains press releases and news clippings re the retirement of the LandSat 1 satellite; use of LandSat to track red tide, study Nebraska irrigation systems, perform a natural resources inventory for the Navaho nation, and predict snow melt runoff; US and Soviet Union (USSR) cooperation with weather and scientific satellites; LandSat ground stations; international uses of remote sensing; renaming of the Earth Resources Technology Satellites (ERTS) as LandSat; agreement between the US and Canada on the use of remote sensing data; and announcement of opportunity for participation in ERTS 1. Includes correspondence re the LandSat 1 public information plan, review of proposals to utilize ERTS data, and ERTS instrumentation and systems. Also includes brochures re the ERTS camera system and the ERTS project; reprint of "Social Education" article "LANDSAT: A Tool for your Classroom"; and poster re the LandSat satellites and their uses.</p>		
SPFL-43-B74-F1 6086	<b>File - LandSat-1 Photographs</b>	1972 - 1980	Location: Box 74
	<p><i>Scope and content:</i></p> <p>Miscellaneous photos taken by the LandSat 1 satellite re Nepal; Large Area Crop Inventory Experiment (LACIE); the Middle East; Greece; Ohio, Pennsylvania, and West Virginia; New York and New Jersey pollution dumping; Panama Canal Zone; Alabama; copper deposits; oil slicks; river sedimentations; Amazon River flow; Kansas; Utah; Colorado; Soviet Union (USSR); crop classification and production in Montana and California; Texas; Rhode Island, Massachusetts, and Connecticut; Oklahoma; and Lake Tahoe. Includes photos and illustrations re the LandSat 1 satellite, LandSat data flow, multispectral scanner system, tracking stations, inspection of the first LandSat 1 photos by Charles Mathews and James Fletcher, and the assembly of the LandSat 1 satellite. Includes press releases and news clippings re the use of LandSat 1 photos by Alaskan Indians to claim lands; identification of surging glaciers; and photography of Baikonur Cosmodrome. Also includes a photomosaic of the continental US; and posters re the Washington, DC area, and other LandSat 1 images.</p>		
SPFL-43-B74-F2 6087	<b>File - LandSat-1 Press Kit</b>	1972	Location: Box 74
	<p><i>Scope and content:</i></p> <p>Press kit re the LandSat 1 satellite; participation of the Department of the Interior (DoI), US Geological Survey (USGS), Department of Agriculture (DoA), US Army Corps of Engineers, and the Environmental Protection Agency (EPA); remote sensing activities; spacecraft and sensor systems; data collection and distribution; investigations in agriculture, forestry, oceanography, geology, hydrology, geography, environmental quality and ecology, and meteorology; the Delta launch vehicle, and the LandSat 1 project team.</p>		
SPFL-43-B74-F3 6088	<b>File - ERTS 1 Open To All The World (Data Available To All)</b>	1968 - 1974	Location: Box 74
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the availability of LandSat 1 (Earth Resources Technology Satellite [ERTS] 1) data to foreign nations and the general public; report of the Senate Committee on Aeronautical and Space Sciences re: "Statements by Presidents of the United States on International Cooperation in Space"; message from President Richard Nixon to Congress re US activities with the</p>		

	United Nations (UN) and the availability of ERTS data; and statement by Charles W. Mathews to the Senate Committee on Aeronautical and Space Sciences re international cooperation on ERTS.		
SPFL-43-B74-F4 6089	<b>File - LandSat-1 Newspapers (Launch)</b>	1969 - 1972	Location: Box 74
	<i>Scope and content:</i> Miscellaneous news clippings re the launch of LandSat 1 (Earth Resources Technology Satellite [ERTS] 1); earth resources survey; international participation in ERTS, multispectral scanner, TV sensors, and ERTS applications; remote sensing and mapping investigations; agricultural and land management applications; pollution studies; identification of water resources; and ERTS 1 costs.		
SPFL-43-B74-F5 6090	<b>File - LandSat-1 Newspaper Results</b>	1972 - 1987	Location: Box 74
	<i>Scope and content:</i> Contains news clippings re the retirement of LandSat 1 (Earth Resources Technology Satellite [ERTS] 1); use for the Large Area Crop Inventory Experiment (LACIE); applications of LandSat data to mapping, animal habitat studies, identification of natural resources, land use surveys, flood damage assessment, archaeology, and monitoring of volcanic activity; international use of LandSat 1 data; analysis and distribution of LandSat 1 data; and photography of the Baikonur Cosmodrome. Includes manuscript: "A Legislator's Guide to LandSat" re LandSat applications to states.		
SPFL-43-B75-F1 6091	<b>File - LandSat-1 Results Official</b>	1972 - 1976	Location: Box 75
	<i>Scope and content:</i> Press releases and weekly briefs for the Administrator re the construction of LandSat ground stations; LandSat 1 uses for analysis of sea ice conditions, by the American Automobile Association (AAA) for mapping, by Alaskan Indians to select land, and for the management of water, ocean, and other resources; selection of LandSat 1 investigations; and international participation in the LandSat program. Includes NASA Special Publication SP359 by Robert M. Bizzell and Lewis C. Wade: "Monterey Bay Study", NASA Special Publication SP351 by Stanley C. Freden and Margaret A. Becker: "Third Earth Resource Technology Satellite-1 Symposium", and NASA Contractor Report CR129575 by C.W. Welby, J.O. Lamm and R.J. Carson: "Utilization of ERTS-1 Data in North Carolina". Also includes transcript of a statement by Leonard Jaffe to the United Nations (UN) Committee on the Peaceful Uses of Outer Space re the availability of LandSat data to foreign nations; and abstracts and transcript from the ERTS 1 symposium.		
SPFL-43-B75-F2 6095	<b>File - LandSat 1 Documentation</b>	1966 - 1975	Location: Box 75
	<i>Scope and content:</i> Contains correspondence re LandSat 1/Earth Resources Technology Satellite (ERTS) 1; space based natural resource, agricultural, and mapping surveys; technology assessment of the Earth Resources Survey (ERS) Program; ERS data dissemination; history of ERS; aerial earth resources survey; involvement of NASA centers with ERS; cooperation between NASA and the US Geological Survey (USGS); ERTS television camera system; implementation of an Earth resources space applications program; FY1971 ERS programs; joint Earth resources satellite programs with the Department of the Interior (DoI); satellite imaging systems; ERTS procurement; announcements of opportunity for participation in ERTS; use of the Lunar Orbiter for ERTS; ERTS frequency allocation; ERTS design study; Project Approval Document (PAD); ERS applications to Canada; ERTS budgets and funding requirements; multispectral scanner system; ERTS payload schedule; use of infrared measurement for lie detector tests; foreign participation in ERTS; use of Landsat data by international aid programs; and use for detection of drug producing plant growth.		
SPFL-43-B76-F1 6082	<b>File - LAGEOS Scientific Results: JGR</b>	1985	Location: Box 76
	<i>Scope and content:</i>		

	Reprint from the "Journal of Geophysical Research" re the results of the LAGEOS 1 geodetic satellite.		
SPFL-43-B77-F1 6094	<b>File - ERTS/LandSat Public Info.</b>	1972 - 1985	Location: Box 77
	<i>Scope and content:</i> Book: "Remote Sensing of the Earth from Space: A Program in Crisis"; General Electric (GE) Corporation report: "Public Relations for Earth Resources Technology Satellite (ERTS)"; and article by William D. Nixon and Richard E. McCormack: "LANDSAT, A Tool for Your Classroom".		
SPFL-43-B77-F2 6096	<b>File - LandSat-1 Documentation (Cont.)</b>	1970 - 1994	Location: Box 77
	<i>Scope and content:</i> Contains correspondence re the LandSat 1/Earth Resources Technology Satellite (ERTS) 1; infrared sensing of stressed vegetation; ERTS multispectral scanner system; high altitude aerial photography support to ERTS; ERTS costs and budget requests; data collection system and data processing facility; use of data by the Environmental Science Service Administration (ESSA); cooperation with the Department of the Interior (DoI) and the US Geological Survey (USGS); dissemination and distribution of Earth resources data; volcano studies; selection of ERTS and Earth Resources Experiments Package (EREP) investigators; ERTS simulation test sites; data retrieval platforms; ground receiving stations; Electron Beam Recorder system; use of ERTS 1 for insect control investigations; use of ERTS data by the states; cooperation with the US Army Corps of Engineers; identification of oil slicks; Earth Resources Survey (ERS) Program and ERTS objectives; and international participation.		
SPFL-43-B77-F3 6118	<b>File - LandSat 4 Official</b>	1976 - 1993	Location: Box 77
	<i>Scope and content:</i> Contains press releases re the LandSat 4 satellite mission; national policy allowing private companies to keep secret some satellite data; use of the Tracking and Data Relay Satellite System (TDRSS) for the relay of LandSat 4 images; problems with LandSat 4 solar panels and image transmission system; availability of LandSat 4 photos; transfer of control of LandSat 4 from NASA to the National Oceanic and Atmospheric Administration (NOAA); studies of toxic waste disposal sites; participation of West Virginia high school students in a LandSat 4 investigation; NOAA environmental satellites; FY1981 and FY1982 NASA budget for LandSat 4; restructuring of the LandSat 4 program; contractor selection; and the thematic mapper system. Includes correspondence re LandSat 4 FY1982, FY1983, and FY1984 budgets; toxic waste sites; program costs; thematic mapper system; use of the Space Shuttle to recover civil payloads; evaluation of LandSat 4 cost, performance, and schedule; FY1981 budget increase; remote sensing instrumentation; launch vehicle requirements; program management; spacecraft and systems design; ground station costs; and support from the Space Tracking and Data Acquisition Network (STADAN). Includes testimony of Alan M. Lovelace before the House Subcommittee on Space Science and Applications re the FY1981 NASA budget request and of J. Hugh Nichols of the Maryland House of Delegates before the House Committee on Science and Technology re LandSat 4 applications to state and local governments. Also includes a report of the Senate Committee on Aeronautical and Space Sciences: "An Analysis of the Future LandSat Effort"; and transcripts of a budget briefing and of a statement by James C. Fletcher re the FY1978 NASA budget. Includes brochures re the Space Shuttle Orbital Refueling System (ORS), and of General Electric (GE) Corporation's participation in LandSat 4; poster re LandSat 4; and a listing of LandSat 4 investigators.		
SPFL-43-B77-F4 6121	<b>File - LandSat Brochures And NASA Pubs.</b>	1971 - 1983	Location: Box 77
	<i>Scope and content:</i> NASA Educational Publication EP93: "Exploring Earth Resources from Space"; and NASA Special Publication SP427: "High Altitude Perspective" re high altitude aerial investigations. Includes NASA Facts publications: "Earth Resources" and "Planet Earth through the Eyes of Landsat 4"; and brochures re the Department of the Interior's (DoI) Earth Resources Observation System (EROS) and LandSat		

	satellites. Includes an article reprinted from "Social Education" magazine: "LandSat, a Tool for your Classroom" by William D. Nixon and Richard E. McCormack.		
SPFL-43-B78-F1 6097	<b>File - LandSat Corp</b>	1979 - ?	Location: Box 78
	<i>Scope and content:</i> Miscellaneous news clippings re the Eosat Corporation as the commercial operator of the LandSat satellites; Congressional inquiries into the costs of Eosat remote sensing data and the possible decommmercialization of the LandSat satellites; licensing of private remote sensing operations; use of commercial satellite data by the military during the Persian Gulf War; Land Remote Sensing Commercialization Act of 1984; continuation of LandSat 4 and LandSat 5 operations; federal subsidies to Eosat Corporation; internationalization of the remote sensing market; transfer of LandSat operation from the Department of Commerce to Eosat Corporation; and the potential commercialization of the weather observation satellite industry. Includes correspondence re Congressional debates on the privatization of earth resources satellites, analysis of the market demand for remote sensing data, and industry views on the privatization of earth resources satellites. Also includes House Subcommittee on Space Science and Applications report: "Civil Land Remote Sensing System".		
SPFL-43-B78-F2 6098	<b>File - EROS Data Center, S.D. (Dep. Of Int.)</b>	1970 - 1996	Location: Box 78
	<i>Scope and content:</i> Contains news clippings and press releases re the establishment of the Earth Resources Observation System (EROS) Data Center in Sioux Falls, South Dakota as an archive for civilian satellite and high-altitude aircraft imagery. Includes correspondence re instructions for ordering satellite images, and policies on the distribution of photos; brochures re the Department of the Interior (DoI) and US Geological Survey (USGS) EROS program and Data Center; map re the LandSat satellite coverage area; and photo re the EROS Data Center.		
SPFL-43-B78-F3 6099	<b>File - LandSat User's Document</b>	1977	Location: Box 78
	<i>Scope and content:</i> A Summary of the Users' Perspective of LandSat D by A. Donald Goedeke and Alexander J. Tuyahov re LandSat users in the federal government, local government, and the private sector; data analysis services; foreign users; and a user evaluation.		
SPFL-43-B79-F1 6100	<b>File - LandSat/ERTS 1 Symposium</b>	1973	Location: Box 79
	<i>Scope and content:</i> Transcript of a symposium re the LandSat 1/Earth Resources Technology Satellite (ERTS) 1 investigations of resource and land use mapping, and uses by the US Army Corps of Engineers and the Department of the Interior (DoI).		
SPFL-43-B79-F2 6101	<b>File - NASA SP7041: Earth Res. Bibliog.</b>	1973 - 1981	Location: Box 79
	<i>Scope and content:</i> NASA Special Publication SP7041: "Earth Resources: A Continuing Bibliography with Indexes". Includes Department of the Interior (DoI) and US Geological Survey (USGS) brochures re the Earth Resources Observation System (EROS); and brochures: "Earth Resources Data and the States" and "A Legislator's Guide to LandSat".		
SPFL-43-B79-F3 6102	<b>File - ERS Interagency Study Group</b>	1971	Location: Box 79
	<i>Scope and content:</i>		

	Report of the Interagency Ad Hoc Study Group on the Earth Resources Survey (ERS) Program re the benefits of ERS; and the participation of the Department of Agriculture (DoA), Department of Commerce, US Army Corps of Engineers, Department of the Interior, Department of State, and NASA.
SPFL-43-B80-F1 6103	<p><b>File - Internat'l Workshop On Earth Resources Survey Systems</b> 1971 Location: Box 80</p> <p><i>Scope and content:</i></p> <p>Papers and abstracts of papers presented at the International Workshop on Earth Resources Survey Systems: "Aerospace Methods of Evaluating Earth Resources" by William A. Fischer; "Remote Sensing in Geology, Hydrology, and Geography" by Charles A. Robinove; "Applications of Remote Sensing in Agriculture and Forestry" by Robert N. Colwell; "Remote Sensing Oceanography" by John W. Sherman; "Environmental Monitoring by Remote Sensing from Air and Space" by William O. Davis"; "Remote Sensing of Environmental Quality" by Gary W. North; "Systems Approach to the Use of Remote Sensing" by David Landgrebe; "How Will the New Technology Enhance Capabilities to Collect and Analyze Earth Resource Data?" by Richard F. Legault; "Remote Sensing in India" by P. R. Pisharoty; "Canada's Approach to Remote Sensing" by L. W. Morley; "Introduction to Sensors" by G. Suits; "Television Cameras" by Otto H. Schade; "Aerial Cameras, Aerial Films, and Film Processing" "Radar and Microwave Radiometry" by Richard K. Moore; and "Interpretation by Interdisciplinary Teams" by W. D. Carter. Includes biographies of workshop participants.</p>
SPFL-43-B80-F2 6104	<p><b>File - Earth Resources: Early Studies "66-"68</b> 1965 - 1971 Location: Box 80</p> <p><i>Scope and content:</i></p> <p>Contains articles re the use of aerial photography for agricultural surveys; "Remote Sensing of Natural Resources" by Robert N. Colwell; "...Reconnaissance from Space" by J. S. Butz; and "Space Technology and Progress" by Wernher von Braun re the use of space technology to study the effects of world population growth. Includes papers and reports: "...Applications of Radar Return Data to the Study of Terrestrial and Oceanic Phenomena" by Willard J. Pierson, Bernard B. Scheps, and David S. Simonett; "Orbital Remote Sensing and Natural Resources" by Peter C. Badgley and William L. Vest; "Earth Resources" by Jay Holmes re the application of remote sensing to population growth studies; "Spacecraft in Geographic Research"; "Geologic Orbital Photography: Experience from the Gemini Program" by Paul D. Lowman; "A Study of the Economic Benefits and Implications of Space Station Operations"; and "Current Status of NASA's Natural Resources Program" by Badgley. Also includes news clippings re the Department of the Interior's (DoI) Earth Resources Observation System (EROS), and the applications of earth resources surveys; correspondence re participation of the Indian government in earth resources surveys; House Subcommittee on NASA Oversight report; "The Earth Resources Satellite System"; and photos re a remote sensing demonstration project performed by the state of Iowa.</p>
SPFL-43-B81-F1 6105	<p><b>File - LandSat: Commercialization And User Studies</b> 1966 - 1981 Location: Box 81</p> <p><i>Scope and content:</i></p> <p>Miscellaneous reports and papers re National Oceanic and Atmospheric Administration (NOAA) and NASA LandSat satellite user activities and transition of LandSat operations to the private sector, development of markets for LandSat data, and the uses of LandSat by state and local governments. Includes NASA Technical Paper 1822: "Applications Systems Verification and Transfer Project. Volume I: Operational Applications of Satellite Snow-Cover Observations...", and NASA Technical Letter 52: "Geologic Investigations of Remote Sensing Techniques". Includes correspondence re international participation in remote sensing programs, and a justification for the continuation of earth observation programs; and "Sources for Landsat Assistance and Services".</p>
SPFL-43-B81-F2 6106	<p><b>File - Remote Sensing Report To Congress</b> 1987 Location: Box 81</p> <p><i>Scope and content:</i></p> <p>NASA and National Oceanic and Atmospheric Administration (NOAA) report: "Space-Based Remote Sensing of the Earth, A Report to the Congress" re the use of remote sensing technology by federal</p>

	agencies and the private sector; remote sensing research and development on land, atmospheric, oceanic, climate, and interdisciplinary programs; earth science objectives; and long-range planning.		
SPFL-43-B81-F3 6107	<b>File - LandSat-2 Photographs</b>	1975 - 1976	Location: Box 81
	<i>Scope and content:</i> Miscellaneous photos re the launch of the LandSat 2 satellite by the Delta launch vehicle. Includes photos taken by the LandSat 2 satellite re Ireland; Lake Okeechobee, Florida; Chicago and Lake Michigan; Sierra Nevada Mountains; and Massachusetts.		
SPFL-43-B81-F4 6108	<b>File - LandSat-2 1975-004a 1/22/75 12:55pm Est</b>	1967 - 1982	Location: Box 81
	<i>Scope and content:</i> Miscellaneous press releases and news clippings re LandSat 2 satellite retirement from operational status; multispectral scanner system; spacecraft operations; monitoring of commercial timber resources; inventory of Navajo Indian nation resources; observations of Chesapeake Bay; monitoring of Nebraska irrigation systems; ground station construction; prediction of snow melt; sea floor exploration; flood damage assessment; Large Area Crop Inventory Experiment (LACIE); renaming of Earth Resources Technology Satellites (ERTS) as LandSat; and selection of ERTS contractors. Includes correspondence re LandSat 2 use by state of Maine; impact of loss of LandSat 2; and spacecraft operations and lifetime. Also includes NASA Facts poster re LandSat; brochure re ERTS project; and announcement of opportunity for participation in ERTS. Includes testimony of Clayton Y. Yeutter before House Committee on Science and Technology re uses of remote sensing by Department of Agriculture (DOA); and NASA "Summary of the Earth Resources Survey Satellite Program ERS-A and B".		
SPFL-43-B82-F1 6113	<b>File - LandSat-2 Press Kit</b>	1975	Location: Box 82
	<i>Scope and content:</i> Press kit re the LandSat 2 satellite investigations in agriculture, land use, geology, water resources, marine resources, meteorology, and the environment; spacecraft; launch operations; project participants; domestic and foreign follow-on investigations; LandSat 1/Earth Resources Technology Satellites (ERTS) 1 results; and uses of LandSat by the Department of Agriculture (DOA), US Army Corps of Engineers, Department of Commerce, and the Department of the Interior (DoI).		
SPFL-43-B82-F2 6114	<b>File - LandSat-3 (1978-026a) VAFB 5 March</b>	1971 - 2008	Location: Box 82
	<i>Scope and content:</i> Contains news clippings and press releases re the LandSat 3 satellite mission (previously named the Earth Resources Technology Satellite [ERTS] C); international ground station activities; failure of the multispectral scanner (MSS) system; use of LandSat to predict snow melt, manage forest lands, identify uranium resources, map land use, and study a meteorite crater; development of a LandSat operational system; technical difficulties with the LandSat system; use by the Navajo nation to inventory natural resources; LandSat 3 costs; and funding and support for ERTS during the Ford Administration. Includes statements from the LandSat 3 pre-launch press conference re the uses of LandSat by the US Army Corps of Engineers, Department of Agriculture (DOA), geological remote sensing, Department of the Interior (DoI), and by state and local governments. Also includes correspondence re ERTS C funding, experiments, FY1973 new start proposal, payload alternatives, briefing for the Office of Management and Budget, procurement, costs, and failure of the tape recorders and MSS. Includes LandSat 3 post-launch Mission Operation Report (MOR); and announcement of opportunity for definition of LandSat 3 mission and data requirements. Also includes photos re the LandSat 3 satellite and launch by a Delta launch vehicle; and photos taken by LandSat 3 re wetlands in the Gulf of Mexico area, Falkland Islands, Mount St. Helens volcano, Lake Okeechobee, San Francisco, Owens Valley, California, and oil slick studies.		
SPFL-43-B82-F3 6115	<b>File - LandSat-3 Press Kit</b>	1978	Location: Box 82

	<i>Scope and content:</i> Press kit re the LandSat 3 satellite mission; spacecraft; mission sequence; remote sensors; usage in agriculture, Large Area Crop Inventory Experiment (LACIE), land use and management, forestry, water resources, environmental marine resources, cartography, demography, and natural resource surveys; ground system support; Delta launch vehicle; launch operations; and the project team.		
SPFL-43-B82-F4 6117	<b>File - LandSat 4 Photographs</b>	1979 - 1984	Location: Box 82
	<i>Scope and content:</i> Miscellaneous photos taken by the LandSat 4 satellite re areas in and around New York City and New York state; Washington, D.C.; Rhode Island, Connecticut, and Massachusetts; California; Tennessee; Michigan; Texas; Utah; Oklahoma; Louisiana; Colorado; Pennsylvania; Ohio; Maryland; Alberta, Canada; Illinois; Alabama; Missouri; Florida; South Carolina; Kansas; and Iowa. Includes photos re the training of Navajo Indians to use LandSat data; LandSat 4 launch; thematic mapper system and other spacecraft systems; and dedication of the LandSat building. Also includes charts re the thematic mapper spectral data; and illustration re a Space Shuttle configuration with a LandSat satellite.		
SPFL-43-B82-F5 6119	<b>File - LandSat 4 Press Kit</b>	1982	Location: Box 82
	<i>Scope and content:</i> Press kit re the LandSat 4 satellite mission; the LandSat operational system; user needs; launch and flight sequence; spacecraft description and operations; Multispectral Scanner system (MSS); thematic mapper; ground processing system; program management; and contractors.		
SPFL-43-B82-F6 6120	<b>File - LandSat 4 Newspaper Clips</b>	1975 - 1989	Location: Box 82
	<i>Scope and content:</i> Miscellaneous news clippings re funding for LandSat 6 and 7 from the Department of Defense (DoD); recommendation of the National Space Council (NSpC) to make a long-term commitment to LandSat; commercialization of LandSat; scheduled de-activization of LandSat; potential merger of LandSat with the French Spot satellite system; detection of fires; Space Shuttle retrieval and repair of LandSat 4; detection of a Soviet Union (USSR) underwater missile basing mode; pull-out of the Department of Agriculture (DOA) from the LandSat program; study of Chesapeake Bay pollution; thematic mapper system; gypsy moth detection; Global Positioning System (GPS) receiver; transmitter failure; space cameras and spy satellites; remote sensing and natural resource mapping; multispectral scanner system; toxic waste disposal sites; and FY1983 National Oceanic and Atmospheric Administration (NOAA) budget shortfalls for LandSat operations. Includes news clippings re the LandSat 4 launch; management of LandSat 4 data flow; definition study of an operational Land Remote Sensing Satellite System (LRSS); LandSat D (later renamed as LandSat 4) funding and costs; and contract awards. Also includes brochures re the General Electric (GE) Corporation LandSat program, and the TRW Company thematic mapper system.		
SPFL-43-B82-F7 6122	<b>File - LandSat 4 Repair Missions</b>	1983 - 1989	Location: Box 82
	<i>Scope and content:</i> Miscellaneous news clippings re the pledging of funds from several federal agencies to keep the LandSat satellites in operation; possible shut-down of the LandSats; and the use of the Space Shuttle for a LandSat 4 repair mission.		
SPFL-43-B82-F8 6124	<b>File - LandSat 5 (D')</b>	1977 - 2009	Location: Box 82
	<i>Scope and content:</i> Contains news clippings and press releases re the LandSat 5 satellite mission; uses of LandSat 5 for monitoring Kuwaiti oil field fires during the Persian Gulf War; analysis of LandSat data; global		

	warming and the melting of polar ice caps; funding for continued LandSat operations from the Department of Defense (DoD), Department of State, Department of Agriculture (DOA), and the Department of Commerce; recommendation of the National Space Council (NSpC) to make a long-term national commitment to LandSat; possible shut down of LandSats 4 and 5; extensions of Landsat 5 lifetime; and the discovery of earthquake fault lines. Includes news clippings and press releases re the commercialization of the LandSat operations; detection of damage from the Chernobyl accident; multispectral scanner system (MSS); use of LandSat 5 images for land management; establishment of a satellite communications link to Antarctica; discovery of an ancient Mayan City; transfer of LandSat 5 operations from NASA to the National Oceanic and Atmospheric Administration (NOAA); and the launch of LandSat 5. Includes LandSat 5 press kit re mission description and events, launch vehicle, MSS and thematic mapper systems, spacecraft, program management, and contractors; pre-launch Mission Operation Report (MOR); and correspondence re the reinstatement of the MSS to the LandSat 5 program. Includes photos taken by LandSat 5 re the Amazon River Basin, Mt. Hood National Forest in Oregon, Oklahoma, Missouri, Arkansas, Colorado, Gulf coast of Texas, and New York City. Also includes photos re the LandSat 5 Calibrated Airborne Multispectral Scanner (CAMS), and the launch of LandSat 5 by a Delta launch vehicle.		
SPFL-43-B83-F1 6093	<b>File - LandSat Documentation (II)</b>	1975 - 1979	Location: Box 83
	<i>Scope and content:</i> Contains correspondence re the LandSat/Earth Resources Technology Satellites (ERTS) program; distribution of LandSat satellite data; selection of General Electric (GE) Corporation as the primary LandSat 4 contractor; approval for LandSats 4 and 3; LandSat 4 mission needs and procurement; LandSat user charges; deletion of the multispectral scanner from the FY1978 NASA budget; LandSat 2 Wide Band Video Tape Recorder (WBVTR); agricultural surveys; benefits and costs of a LandSat follow-on; use of LandSat 2 by the US National Forest Service; LandSat operational capabilities; Earth Resources Observation System (EROS) Data Center in Sioux Falls, South Dakota; inclusion of LandSat 3 in the FY1973 NASA budget; General Accounting Office (GAO) examination of the ERTS program.		
SPFL-43-B83-F2 6110	<b>File - LandSat-2 Pre-Launch Press Clips</b>	1970 - 1975	Location: Box 83
	<i>Scope and content:</i> Contains news clippings re the LandSat 2 satellite earth resources surveys; renaming of the Earth Resources Technology Satellites (ERTS) as LandSat; LandSat 2 crop forecasting abilities; FY1975 ERTS budget; and ERTS costs. Includes transcript re the LandSat mission briefing.		
SPFL-43-B83-F3 6111	<b>File - LandSat-2 Documentation</b>	1971 - 1978	Location: Box 83
	<i>Scope and content:</i> Miscellaneous correspondence re the use of the LandSat 2 satellite; LandSat satellites to support Agency on International Development (AID) projects; use of LandSat data to assess flood damage; multispectral scanner costs; planning for a second LandSat, or Earth Resources Technology Satellite (ERTS); camera system; data acquisition capabilities; NASA Centers' roles in the ERTS 2 mission; launch schedule; failure of the LandSat 2 tape recorder; tracking and data acquisition costs; and frequency authorization. Includes press release re the completion of the Large Area Crop Inventory Experiment (LACIE).		
SPFL-43-B83-F4 6112	<b>File - LandSat-2 Newspaper Clippings</b>	1975 - 1979	Location: Box 83
	<i>Scope and content:</i> Miscellaneous news clippings re the LandSat 2 satellite; spacecraft operations; LandSat satellite system; recommendation from the National Conference of State Legislatures to reduce LandSat data costs; uses of LandSat 2 for prediction of snow melt runoff, natural resources inventories, mapping, the Large Area Crop Inventory Experiment (LACIE) and other food information systems, and land use planning by the state of Georgia; use of LandSat data by China and Iran; internationalization of earth resources surveys;		

	LandSat 2 costs; and launch. Includes brochure and "NASA Facts" poster re the LandSat satellites; and reprint of a "National Geographic" article: "LandSat Looks at Hometown Earth".
SPFL-43-B84-F1 6125	<b>File - LandSat 6 &amp; 7</b> 1988 - 2008 Location: Box 84  <i>Scope and content:</i> Contains news clippings re the LandSat 6 and 7 satellites; selection of contractors; improvements in remote sensor systems; issue of the LandSat 7 Request for Proposal (RFP) by the Department of Defense (DoD); commercialization of remote sensing satellite systems; study of deforestation in the Amazon River basin; reusable satellite platforms; LandSat 6 solar array panels; LandSat 7 use of the Tracking and Data Relay Satellite System (TDRSS); LandSat costs and funding strategies; Eosat Corporation; thematic mapper system; Landsat 7 launch and operations; and the possible shutdown of the LandSat system. Includes a National Space Policy Directive: "LandSat Remote Sensing Strategy". Also contains correspondence re Landsat 7 launch; Landsat 7 operations agreement; and interagency cooperation.
SPFL-43-B84-F2 6126	<b>File - Earth Observation (Misc.)</b> 1973 - 1976 Location: Box 84  <i>Scope and content:</i> Transcript re the Earth Resources Technology Satellite (ERTS) 1 symposium re ERTS 1 applications to resource mapping and management, geology, flood inundation mapping, agriculture, forestry, and marine resources. Includes "NASA Facts" publication: "Observing Earth from Skylab"; and brochures: "Eastern Regional Remote Sensing Applications Center" re the uses of LandSat data by state and local governments.
SPFL-43-B84-F3 6129	<b>File - Large Solar Observatory</b> 1971 - 1972 Location: Box 84  <i>Scope and content:</i> Miscellaneous news clippings re the definition and design of the Large Solar Observatory (LSO) mission.
SPFL-43-B84-F4 6130	<b>File - Large Space Antenna/Structures</b> 1980 - 1985 Location: Box 84  <i>Scope and content:</i> Contains press releases re the study and testing of large space antennas to improve satellite communications; "NASA Facts" publication: "The Next Step: Large Space Structures"; and press release and photo re the ground deployment of a large space antenna.
SPFL-43-B84-F5 6131	<b>File - LEASAT</b> 1978 - 1990 Location: Box 84  <i>Scope and content:</i> Miscellaneous news clippings and press releases re the launches of the LEASAT F5, LEASAT 3, and LEASAT 4 satellites (also known as the Syncom satellites); repair of LEASAT 3 by Space Shuttle STS 51I and extravehicular activity (EVA) or space walk by James D. Van Hoften and William F. Fisher; lease of LEASAT satellites to the US Navy by Hughes Communications Company; launch of LEASAT 4 by STS 51I and its failure to operate properly; launch of LEASAT 2 by STS 41D; and insurance coverage of the LEASAT 3 failure. Includes photos re the STS 51I payload; and launch of LEASATS by STS 51I and STS 41D.
SPFL-43-B84-F6 6132	<b>File - Leascraft (Fairchild)</b> 1982 - 2000 Location: Box 84  <i>Scope and content:</i> Contains news clippings, correspondence, and brochure re the joint endeavor between NASA and Fairchild Industries Incorporated to build the Leascraft orbital space platform, and the scaling back of Leascraft due to insurance liabilities. Includes photo re the signing of the NASA and Fairchild agreement by NASA Administrator James M. Beggs and Fairchild Chairman Edward G. Uhl. Also contains case study: "Leascraft: A Case Study for George Mason University".

SPFL-43-B84-F7 14001	<b>File - LandSat 8 (LDCM)</b>	2006 - ?	Location: Box 84
<p><i>Scope and content:</i></p> <p>Contains news articles and press releases re Landsat 8 and original designation as Landsat Data Continuity Mission (LDCM); selection of contractor; design, construction, and testing; launch; first photographs returned; and transfer of operational control to the US Geological Survey (USGS).</p>			
SPFL-43-B84-F8 18015	<b>File - Large Deployable Reflector</b>	1988 - ?	Location: Box 84
<p><i>Scope and content:</i></p> <p>Includes brochure and photo re Large Deployable Reflector.</p>			
SPFL-43-B85-F1 6134	<b>File - LifeSat</b>	1987 - 1992	Location: Box 85
<p><i>Scope and content:</i></p> <p>Miscellaneous news clippings and press releases re the development of the reusable reentry LifeSat satellite to study the biological effects of space radiation beyond earth orbit; and the FY1992 budget for LifeSat. Includes speech by NASA Administrator Richard Truly re the FY1991 NASA budget request and support for LifeSat development.</p>			
SPFL-43-B85-F2 6135	<b>File - LightSat</b>	1984 - ?	Location: Box 85
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re NASA's Discovery program of frequent, low-cost, high science planetary missions; development of a new generation of small, low-cost satellites known as LightSats; financial advantages of LightSats; transmission frequency assignments; LightSats to be used as part of the Earth Observing System (EOS); use of LightSats by the National Oceanic and Atmospheric Administration (NOAA) and by the military as communications and spy satellites; and the Defense Advanced Research Projects Agency (DARPA) LightSat program. Includes papers: "High Power Lightsats for Low Earth Orbit Applications" by T.C. Leisgang and M.D. Benz, and "The Role of Small Satellites in our National Defense" by R.J. Bunometti and E.D. Nicastrì. Also includes NASA report to Congress on small planetary missions; and illustrations and brochures re LightSat designs.</p>			
SPFL-43-B85-F3 6136	<b>File - LDEF Photographs</b>	1983 - 1989	Location: Box 85
<p><i>Scope and content:</i></p> <p>Miscellaneous photos re the Long Duration Exposure Facility (LDEF) orbital platform; teachers Barbara Walters and Wylie Frederick with the "seeds in space" experiment; Space Shuttle STS 32 crew and mission patch; LDEF pre-launch preparations; Space Shuttle STS 41C launch and deployment of LDEF using the Space Shuttle remote manipulator system (RMS), or shuttle arm; and scientists Don L. Lind and Ernest L. Weeks with their LDEF experiment.</p>			
SPFL-43-B85-F4 6137	<b>File - Long Duration Exposure Facility (LDEF)</b>	1976 - 2010	Location: Box 85
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Long Duration Exposure Facility (LDEF); the Space Exposed Experiment Developed for Students (SEEDS); results of LDEF experiments detailing the effects of the space environment; radiation in low-earth orbit; use of LDEF for commercial research and development; launch of LDEF by Space Shuttle STS 41C; study of cosmic dust; European Space Agency (ESA) participation; development of LDEF at Langley Research Center (LaRC); and the selection of LDEF experiments. Includes brochures re SEEDS and other LDEF investigations; NASA Publication NP149: "69 Months in Space: A History of the First LDEF (Long Duration Exposure Facility)"; "NASA Facts" publication: "A New Dimension in Space Experimentation"; STS 41C Mission Report; and photo re the LDEF.</p>			

SPFL-43-B85-F5 6138	<b>File - LDEF Retrieval</b>	1985 - 1991	Location: Box 85
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Long Duration Exposure Facility (LDEF); Republic of the Marshall Islands LDEF commemorative stamp; effects of the space environment on the LDEF structure and other materials; discovery of a rare isotope on LDEF; funding for data analysis; Space Shuttle STS 32 launch, rendezvous with LDEF, and retrieval with the remote manipulator system (RMS), or shuttle arm; Space Exposed Experiment Developed for Students (SEEDS); and the danger of experiment decay and spacecraft degradation if the LDEF was not retrieved by the Space Shuttle. Includes STS 41C mission report. Also contains photos re the retrieval of LDEF, LDEF experiments, and the STS 32 crew.</p>			
SPFL-43-B85-F6 16023	<b>File - Lewis (As In Lewis And Clark)</b>	1994 - ?	Location: Box 85
<p><i>Scope and content:</i></p> <p>Contains news clippings, articles, and press releases re launch, orbit, and failure of NASA Lewis satellite, first of Small Spacecraft Technology Initiative. Includes Lewis Spacecraft Mission Failure Investigation Board Final Report.</p>			
SPFL-43-B86-F1 6139	<b>File - LDEF Post-Retrieval</b>	1990 - 1994	Location: Box 86
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the retrieval and examination of the Long Duration Exposure Facility (LDEF); applications of LDEF lessons to future spacecraft design and construction; Space Exposed Experiment Developed for Students (SEEDS); materials processing; and the Space Shuttle STS 32 mission. Also includes listing of LDEF experiments and principal investigators.</p>			
SPFL-43-B86-F2 6140	<b>File - LDEF/STS-32 Press Info.</b>	1989	Location: Box 86
<p><i>Scope and content:</i></p> <p>Press kit re the Space Shuttle STS 32 mission and the retrieval of the Long Duration Exposure Facility (LDEF); and fact sheets re the LDEF.</p>			
SPFL-43-B86-F3 6141	<b>File - LDEF: Tomato "Seeds"</b>	1983 - 1998	Location: Box 86
<p><i>Scope and content:</i></p> <p>Contains news clippings, press releases, and correspondence re the Space Exposed Experiment Developed for Students (SEEDS) re the distribution of tomato seeds orbited on the Long Duration Exposure Facility (LDEF) to students; growth of exposed versus non-exposed seeds; commercial sale of "space tomatoes"; first place award at the Kansas State Fair; and Department of Agriculture (DOA) verification of the safety of the seeds. Includes elementary and secondary teacher's guides to the SEEDS project, and memorandum of agreement between Langley Research Center (LaRC) and the George W. Park Seed Company.</p>			
SPFL-43-B86-F4 6142	<b>File - LDEF (Correspondence)</b>	1974 - 1990	Location: Box 86
<p><i>Scope and content:</i></p> <p>Contains correspondence re delays in the retrieval of the Long Duration Exposure Facility (LDEF) due to the Challenger accident; review of LDEF experiment proposals; project approval; costs; completion of facility fabrication; flight readiness; integration of Department of Defense (DoD) experiments; use of the Space Shuttle for the recovery of civil payloads; FY1978 funding; management plan; and the Space Exposed Experiment Developed for Students (SEEDS). Includes "NASA Facts" publication: "A New Dimension in Space Experimentation".</p>			

SPFL-43-B86-F5 6143	<p><b>File - Low-Cost Hazard Warning Satellite</b>      1971 - 1976      Location: Box 86</p> <p><i>Scope and content:</i> News clipping and correspondence re the design study of a low-cost disaster warning communication satellite. Includes an illustration of a disaster warning satellite concept.</p>
SPFL-43-B86-F6 6144	<p><b>File - Low Cost Modular Spacecraft</b>      1974 - 1993      Location: Box 86</p> <p><i>Scope and content:</i> Contains news clippings re the use of Strategic Defense Initiative (SDI) technology to develop small "microsatellites"; and the development of low-cost, small, multi-mission, modular spacecraft. Includes photos re the Low Cost Modular Spacecraft designed for use with the Space Shuttle.</p>
SPFL-43-B87-F1 6153	<p><b>File - Meteosat (European Cosmos Consortium, Syn. Weather Sat)...</b>      1970 - ?      Location: Box 87</p> <p><i>Scope and content:</i> Contains news clippings and press releases re the European Space Agency (ESA) Meteosat weather observation satellite; detection of atmospheric water vapor; study of Africa's climate; and Meteosat consortium operations, satellite launches, and images. Includes correspondence re the Meteosat radiometer design review; and NASA-ESA agreement to launch Meteosat. Also includes press kit and brochures re Meteosat; ESA Special Publication SP1041: "Introduction to the Meteosat System"; and photos re the launch of Meteosat 1.</p>
SPFL-43-B87-F2 6154	<p><b>File - Multi-Mission Modular Spacecraft</b>      1970 - 1990      Location: Box 87</p> <p><i>Scope and content:</i> Contains news clippings re the Multimission Modular Spacecraft (MMS) and its use for the Extreme Ultraviolet Explorer (EUVE) and the Upper Atmosphere Research Satellite (UARS); modular spacecraft data handling; and the use of components from the Solar Maximum Mission (Solar Max) by EUVE. Includes correspondence re MMS planning, program management, use by the European Space Agency (ESA), data management, Space Shuttle program objectives, and costs. Also includes brochure and news clippings re the definition of MMS by Fairchild Industries Incorporated; article by Joseph D. Marino: "An Economical Multi-Mission Spacecraft for the Shuttle Era"; and photos re the MMS.</p>
SPFL-43-B87-F3 6155	<p><b>File - Multimission Modular Spacecraft Interface Spec.</b>      1978 - 1979      Location: Box 87</p> <p><i>Scope and content:</i> External Interface Specification and User's Guide for the Multimission Modular Spacecraft (MMS) and the Mariner Mark 2 spacecraft.</p>
SPFL-43-B87-F4 9813	<p><b>File - Microlab 1</b>      1995      Location: Box 87</p> <p><i>Scope and content:</i> Contains news article re Microlab 1 satellite and lightning mapper; and weather sensor.</p>
SPFL-43-B87-F5 9816	<p><b>File - MightySat</b>      2000      Location: Box 87</p> <p><i>Scope and content:</i> Contains news article re US Air Force MightySat technology demonstration satellite.</p>
SPFL-43-B88-F1 6146	<p><b>File - MagSat (October 30, 1979) 79-094a</b>      1975 - 1981      Location: Box 88</p> <p><i>Scope and content:</i></p>

	Contains news clippings re the Magnetic Field Satellite (MagSat) and the mapping of the earth's magnetic field. Includes transcript of a press briefing and correspondence re the use of MagSat maps by the Department of the Interior (DoI) for identification of natural resources. Also includes the Memorandum of Understanding (MOU) between NASA and the US Geological Survey (USGS) on MagSat; and press kit.		
SPFL-43-B88-F2 6147	<b>File - MapSat (USGS-LandSat Follow-On)</b>	1979 - 1982	Location: Box 88
	<i>Scope and content:</i> Miscellaneous news clippings re the development by the US Geological Survey (USGS) of the MapSat satellite to achieve world-wide mapping. Includes paper by Alden P. Colvocoresses: "Geometric Considerations for an Automated Mapping Satellite System (MAPSAT)".		
SPFL-43-B88-F3 6148	<b>File - Maritime Communications Satellite-A (MARISAT A)</b>	1970 - 1984	Location: Box 88
	<i>Scope and content:</i> Contains news clippings and press releases re US Navy contract with COMSAT Corporation for the Maritime Orbital Test Satellite (MARISAT) Project; International Maritime Satellite Organization (INMARSAT); communications for offshore oil platforms and ship by MARISAT satellites; and MARISAT 1 launch. Includes MARISAT 1 press kit. Also includes correspondence re marine traffic control systems and Delta launch vehicle scheduling; and article by T. M. B. Wright: "The Prospects for an Integrated Aviation and Maritime Satellite System". Includes photos re the MARISAT 1 satellite and its launch.		
SPFL-43-B88-F4 6149	<b>File - MARISAT-B</b>	1976 - 1981	Location: Box 88
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the Maritime Orbital Test Satellite (MARISAT) Project and the MARISAT 2 satellite; lease of MARISAT capacity by COMSAT Corporation to the International Maritime Satellite Organization (INMARSAT); US Navy use of MARISAT; MARISAT 2 launch; and MARISAT Atlantic and Pacific Ocean coverage. Includes press kit and photos re MARISAT 2.		
SPFL-43-B88-F5 6150	<b>File - MARISAT-C</b>	1976 - 2008	Location: Box 88
	<i>Scope and content:</i> Contains news clippings re the Maritime Orbital Test Satellite (MARISAT) Project and the MARISAT 3 satellite; use of MARISAT by the US Navy; and MARISAT 3 service over the Indian Ocean. Includes press kit and photos re the MARISAT 3 satellite.		
SPFL-43-B88-F6 6151	<b>File - MAST (Manned Astronomical Space Telescope)</b>	1966 - 1969	Location: Box 88
	<i>Scope and content:</i> News clipping and correspondence re design studies for a Manned Astronomical Space Telescope (MAST)		
SPFL-43-B88-F7 6152	<b>File - Meteoroid Technology Satellite</b>	1970 - 1974	Location: Box 88
	<i>Scope and content:</i> Miscellaneous press releases and correspondence re the Explorer 46/Meteoroid Technology Satellite (MTS), and the study of meteoroid shielding for spacecraft. Includes press kit, MTS Review Committee Final Report, Project Plans, and Project Management Report.		
SPFL-43-B88-F8 9116	<b>File - Magnetic Field Satellite (MagSat) Photos</b>	1978 - 1980	Location: Box 88

	<i>Scope and content:</i> Contains photos re Magnetic Field Satellite (MagSat) and testing; launch preparations; and launch.		
SPFL-43-B89-F1 6156	<b>File - Multimission Modular Spacecraft Documentation</b>	1976 - 1977	Location: Box 89
	<i>Scope and content:</i> Contains correspondence re the development of the Multimission Modular Spacecraft (MMS); MMS funding and program management; flight system support; use for the Solar Maximum Mission (Solar Max) and LandSat 4 (LandSat D); Mars exploration initiatives; FY1978 MMS budget; Canadian involvement; and cooperation between NASA, Department of Defense (DoD), and the US Air Force (USAF).		
SPFL-43-B89-F2 6157	<b>File - NATO I</b>	1970	Location: Box 89
	<i>Scope and content:</i> Miscellaneous news clippings re the launch and orbit of the North Atlantic Treaty Organization (NATO) 1 satellite for diplomatic and military communications; and photos re the NATO 1 satellite.		
SPFL-43-B89-F3 6158	<b>File - NATO-II (B) NATOSat-2</b>	1970 - 1971	Location: Box 89
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the launch of the North Atlantic Treaty Organization (NATO) 2 communications satellite. Includes photos.		
SPFL-43-B89-F4 6159	<b>File - Nato-III-A ...</b>	1972 - 1976	Location: Box 89
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the North Atlantic Treaty Organization (NATO) 3A communications satellite; contract incentive payments to Ford Aerospace; NATO 3 support to the Defense Satellite Communications System (DSCS); NATO 3A launch; and US Air Force (USAF) Space and Missile Systems Organization (SAMSO) management of NATO 3A. Includes correspondence re cost estimates for the Delta launch vehicle and NASA support to the NATO 3A launch. Also includes photos re the NATO 3A satellite.		
SPFL-43-B89-F5 6160	<b>File - Nato-III-B...</b>	1977	Location: Box 89
	<i>Scope and content:</i> Miscellaneous news clippings re the North Atlantic Treaty Organization (NATO) 3B communications satellite launch, operations, and support to the Defense Satellite Communications Systems (DSCS). Includes press kit, and photos re the NATO 3B satellite.		
SPFL-43-B89-F6 6161	<b>File - Nato III-C 18 Nov. 1978</b>	1976 - 1987	Location: Box 89
	<i>Scope and content:</i> Contains news clippings re the North Atlantic Treaty Organization (NATO) 3C communications satellite launch, operations, and reactivation after 7 and 1/2 years in orbital storage. Includes correspondence re NASA support to the launch of NATO 3C; and press kit, and photos re NATO 3C.		
SPFL-43-B89-F7 6162	<b>File - Nato III D...</b>	1980 - 1986	Location: Box 89
	<i>Scope and content:</i> Contains news clippings re the launch, operations, and management of the North Atlantic Treaty Organization (NATO) 3D communications satellite. Includes photos re the launch of NATO 3D.		

SPFL-43-B89-F8 6163	<b>File - Nato III E</b>	1980 - 1981	Location: Box 89
	<i>Scope and content:</i> Miscellaneous news clippings re the procurement of satellites by the North Atlantic Treaty Organization (NATO), and the sale of NATO 3 satellites by Ford Aerospace Corporation.		
SPFL-43-B89-F9 6164	<b>File - Nato IV</b>	1980 - 1991	Location: Box 89
	<i>Scope and content:</i> Contains news clippings re the North Atlantic Treaty Organization (NATO) 4 satellites, Department of Defense (DoD) launch services, and support to the Defense Satellite Communications Systems (DSCS).		
SPFL-43-B89-F10 6165	<b>File - National Astronomical Space Observatory</b>	1968	Location: Box 89
	<i>Scope and content:</i> News clipping re the decision by NASA to establish a permanent National Astronomical Space Observatory (NASO).		
SPFL-43-B89-F11 6166	<b>File - News Satellite</b>	1986 - 1991	Location: Box 89
	<i>Scope and content:</i> Miscellaneous news clippings re the use of commercial satellite services by the news media; restrictions on the sale of satellite photographs; the rights of media to unrestricted access to satellite photography; and satellite photo evidence of construction of a Soviet Union (USSR) Space Shuttle base.		
SPFL-43-B89-F12 9862	<b>File - New Frontiers</b>	2003 - ?	Location: Box 89
	<i>Scope and content:</i> Contains news articles and press releases re New Frontiers planetary exploration program and missions.		
SPFL-43-B89-F13 10112	<b>File - New Worlds Observer</b>	2006	Location: Box 89
	<i>Scope and content:</i> Contains news article re Northrop Grumman study of planet finding satellite, the New Worlds Observer.		
SPFL-43-B89-F14 17916	<b>File - Nanosat Constellation Trailblazer (1999-</b>	1999 - ?	Location: Box 89
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re development of Nanosat Constellation Trailblazer mission to test three satellites in formation.		
SPFL-43-B89-F15 18067	<b>File - Multiple Experiment Transporter To Earth Orbit (METEOR)</b>	1995 - 1996	Location: Box 89
	<i>Scope and content:</i> Includes article, press release, and Mission Operation Report (MOR) re Multiple Experiment Transporter to Earth Orbit (METEOR).		
SPFL-43-B90-F1 6167	<b>File - XII: Satellites Nimbus</b>	1960 - 2006	Location: Box 90
	<i>Scope and content:</i> Contains news clippings and press releases re the 25th anniversary of the Nimbus satellites; use of Nimbus satellites to track racers in an Istanbul-San Francisco auto race; Nimbus project costs; atmospheric remote sensing and weather observation technology; Nimbus spacecraft design; use of Nimbus for mapping; NASA and US Weather Bureau cooperation; pre-launch spacecraft testing; 25th		

	anniversary of Nimbus satellites; obituary of mission director Wilber Huston; and contractor selection. Includes a report of the US Comptroller General to Congress re unnecessary costs incurred by the Nimbus project; and "NASA Facts" publication re Nimbus. Also includes a General Electric (GE) Corporation brochure re Nimbus satellites; NASA general information brochure: "Meteorological Satellite Flight Programs"; and Nimbus press kits. Includes photos and illustrations re the Nimbus satellites pre-launch check-out, design, meteorological satellite systems, and ground antennas. Also includes photos taken by Nimbus satellites re Hurricanes Alma, Dora, and Ethel; weather observation over Europe, the Nile River Valley and the Eastern Mediterranean, Australia, and the United States.		
SPFL-43-B90-F2 6168	<b>File - Nimbus Chronology (1958-1963)</b>	1963	Location: Box 90
	<i>Scope and content:</i> Chronologies re the Nimbus satellite administration and management, and the camera system.		
SPFL-43-B90-F3 6169	<b>File - Nimbus Documentation (1 Of 3)</b>	1968 - 1975	Location: Box 90
	<i>Scope and content:</i> Contains correspondence re Nimbus satellite operations, funding, procurement, investigations, and instruments; cooperation between the US and Canada on remote sensing; Tropical Wind Energy Conversion and Reference Level Experiment (TWERLE); Earth Resources Technology Satellites (ERTS) and Nimbus program management; tracking of wildlife; and Goddard Space Flight Center (GSFC) and Langley Research Center (LaRC) management of Nimbus satellites.		
SPFL-43-B90-F4 17915	<b>File - Next Generation Space Telescope (NGST), James Webb Space Telescope (1996-</b>	1996 - ?	Location: Box 90
	<i>Scope and content:</i> Contains news clippings and press releases re Next Generation Space Telescope (NGST), later renamed the James Webb Space Telescope (JWST), and contract selection; costs; design and development; and testing. Includes JWST Independent Comprehensive Review Panel Final Report.		
SPFL-43-B91-F1 6170	<b>File - Nimbus Documentation (2 Of 3)</b>	1959 - 1978	Location: Box 91
	<i>Scope and content:</i> Contains correspondence re the Nimbus satellite series; project funding; project status reports; staffing and program management; selection of investigations; procurement plan; meteorology and wildlife tracking experiments; satellite spacecraft systems; Project Approval Document (PAD); NASA and Atomic Energy Commission (AEC) cooperation on the use of nuclear power by Nimbus satellites; program objectives; atmospheric research; classification of Automated Picture Taking (APT) system; and cooperation with Canada on remote sensing investigations.		
SPFL-43-B91-F2 6171	<b>File - Nimbus Documentation (3 Of 3)</b>	1968 - 1971	Location: Box 91
	<i>Scope and content:</i> Contains correspondence re the Nimbus satellite program; atmospheric and meteorological research; payload selection and review; Nimbus project milestones and satellite status reports; Interrogation, Recording, and Location System (IRLS) for navigation aid and for tracking wildlife; costs; program objectives; Tropical Wind Experiment (TWE); data utilization; coordination of NASA and Department of Defense (DoD) meteorological satellite activities; procurement; environmental impact statements; use of the IRLS to track an around the world flight; and Nimbus space physics investigations.		
SPFL-43-B91-F3 6172	<b>File - Nimbus Project Development Plan</b>	1967	Location: Box 91
	<i>Scope and content:</i>		

	Nimbus Project Development Plan (PDP) re Goddard Space Flight Center (GSFC) plans for the management of the Nimbus Project.		
SPFL-43-B91-F4 6173	<b>File - Nimbus Publications</b>	1965 - 1973	Location: Box 91
	<p><i>Scope and content:</i></p> <p>NASA Special Publication SP89: "Observations from the Nimbus I Meteorological Satellite"; NASA Technical Note TND4078 by Lewis J. Allison and James S. Kennedy: "An Evaluation of Sea Surface Temperature as Measured by the Nimbus I High Resolution Infrared Radiometer"; and NASA Technical Note TND4881 by Joseph J. McNaney and Bennie A. Palmer: "Nimbus II Flight Evaluation and Engineering Report, Launch through Orbit 5275". Includes a General Electric (GE) Corporation public information brochure re the Nimbus earth observation program.</p>		
SPFL-43-B92-F1 6174	<b>File - Satellite - Nimbus 1</b>	1961 - 1967	Location: Box 92
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Nimbus 1 satellite; hurricane warnings; correction of spacecraft problems; photography of Antarctic pack ice; weather observation; Nimbus 1 camera system and remote sensing for meteorology and geophysics; Nimbus 1 launch; spacecraft design and systems; High Resolution Infrared Radiometer (HRIR); and international news clippings re Nimbus 1 activities. Includes Nimbus 1 launch operations plan; and transcript of a press conference re the launch of Nimbus 1. Also includes photos and illustrations re the Nimbus 1 satellite, launch, and ground stations; and photos taken by the Nimbus 1 satellite re Hurricanes Dora, Gladys, Cleo, and Ethel, and other weather observation images.</p>		
SPFL-43-B92-F2 6176	<b>File - Satellites: Nimbus II (C)</b>	1966 - 2010	Location: Box 92
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Nimbus 2 satellite operations; wildlife tracking; infrared weather observations; camera systems; hurricane tracking; use of Nimbus 2 data in twenty-first century climate research; and the failure of the tape recorder system. Includes Nimbus 2 press kit, and brochure re the use of Nimbus by the US Geological Survey (USGS) for monitoring volcanic activity. Also includes photos re the Nimbus 2 launch and preparations; and photos taken by Nimbus 2 re Hurricane Beulah.</p>		
SPFL-43-B93-F1 6175	<b>File - Nimbus B (3) - Satellite 5-18-68 Destroyed</b>	1964 - 1995	Location: Box 93
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the failure of the Nimbus B launch; search and recovery of the Systems for Nuclear Auxiliary Power (SNAP) generator; atmospheric research; and spacecraft design and systems development. Includes Nimbus B press kit and photos re launch preparations. Also contains correspondence re search and recovery operations for Nimbus B; and pre-flight testing of Nimbus B SNAP generators to determine ability to survive reentry into earth's atmosphere.</p>		
SPFL-43-B93-F2 6177	<b>File - Nimbus III (B-2) 4-14-69</b>	1968 - 2004	Location: Box 93
	<p><i>Scope and content:</i></p> <p>Contains press releases and news clippings re the Nimbus 3 (Nimbus B2) satellite; use of the Interrogation, Recording, and Location System (IRLS) to track elk migration; measurement of air turbulence for use by air traffic control systems; termination of Nimbus 3 operations; hurricane tracking; and the use of Nimbus data by the US Weather Bureau. Includes correspondence re the elk tracking experiment; use of radioisotope thermoelectric generators (RTGs) aboard Nimbus 3; and transcript of press conference re the launch of Nimbus 3. Includes photos re the elks tracked by Nimbus 3; pre-launch spacecraft check-out; and weather observation photos taken by Nimbus 3.</p>		

SPFL-43-B93-F3 6178	<b>File - Nimbus III Press Kit</b>	1969	Location: Box 93
	<i>Scope and content:</i> Press kit re the Nimbus 3 satellite, meteorological experiments, launch vehicle, and project officials.		
SPFL-43-B93-F4 6179	<b>File - Nimbus-4</b>	1966 - 1975	Location: Box 93
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the Nimbus 4 satellite; measurement of global ozone levels; photography of geological features; balloon atmospheric research; monitoring of volcanic activity at Mount Rainier; and the Interrogation, Recording, and Location System (IRLS). Includes news clippings and correspondence re Nimbus 4 procurement; and Nimbus 4 press kit. Also includes photos re Nimbus 4 launch, spacecraft, and weather observations.		
SPFL-43-B93-F5 6180	<b>File - Nimbus 4 User's Guide</b>	1970	Location: Box 93
	<i>Scope and content:</i> The Nimbus IV User's Guide re the Nimbus 4 spacecraft and camera systems, and experiments.		
SPFL-43-B94-F1 6181	<b>File - Nimbus 5 (E)</b>	1967 - 1984	Location: Box 94
	<i>Scope and content:</i> Miscellaneous news clippings re the Nimbus 5 satellite; geologic applications of Nimbus 5 and NOAA 7 satellites thermal infrared data; termination of Nimbus 5 operations; tracking of an iceberg; Surface Composition Mapping Radiometer (SCMR) for the identification of rock types; microwave spectrometer system applications to meteorology and geophysics; oceanography; Nimbus 5 launch; procurement; and runout costs. Includes correspondence re Nimbus 5 and 6 procurement and project initiations; Project Approval Document (PAD); payload and investigation selection; and international weather observation systems. Also includes "Summary of the Nimbus Program (Nimbus E & F)"; and Nimbus 5 press kit. Includes weather observation photos taken by Nimbus 5; and an illustration of the Nimbus 5 spacecraft design.		
SPFL-43-B94-F2 6182	<b>File - Nimbus 5 User's Guide</b>	1972	Location: Box 94
	<i>Scope and content:</i> The Nimbus 5 User's Guide re Nimbus 5 spacecraft design, systems, and experiments.		
SPFL-43-B94-F3 6184	<b>File - Nimbus 6 (1975 June 12) 1975-052a</b>	1967 - 1993	Location: Box 94
	<i>Scope and content:</i> Contains press releases and news clippings re the Nimbus 6 satellite; termination of operations; use of locator beacons to track ocean-going vessels, North Pole expedition, trans-Atlantic balloon trip, and a world-wide auto race; identification of oil resources; weather balloon sensors; Nimbus 6 procurement, and shutdown of Nimbus 6. Includes correspondence re the utilization of Nimbus 6 animal tracking capabilities; and "Summary of the Nimbus Program (Nimbus E & F)". Also includes photos and illustrations re Nimbus 6 satellite world-wide satellite coverage; Nimbus 6 tracking experiments; and the Nimbus 6 satellite.		
SPFL-43-B94-F4 6185	<b>File - Nimbus 6 Press Kit</b>	1975	Location: Box 94
	<i>Scope and content:</i> Press kit re the Nimbus 6 satellite, spacecraft, Nimbus program history and results, atmospheric research, spacecraft systems and instruments, and launch operations.		

SPFL-43-B94-F5 6186	<b>File - Nimbus 6 Newspaper Articles</b>	1970 - 1978	Location: Box 94
<p><i>Scope and content:</i></p> <p>Miscellaneous news clippings re the Nimbus 6 satellite; tracking of an Egyptian desert expedition, the Double Eagle 2 balloon, and a solo Arctic expedition; measurement of global ozone levels and the effects upon the environment; tracking and data relay experiment with the Applications Technology Satellite (ATS) 6; launch; costs; and procurement.</p>			
SPFL-43-B94-F6 6187	<b>File - Nimbus 7 Photos</b>	1978	Location: Box 94
<p><i>Scope and content:</i></p> <p>Miscellaneous photos re the Nimbus 7 satellite and pre-launch check-out.</p>			
SPFL-43-B94-F7 6190	<b>File - Nimbus 6 Documentation</b>	1968 - 1976	Location: Box 94
<p><i>Scope and content:</i></p> <p>Contains correspondence re Nimbus 5 and Nimbus 6 cost estimates; satellite data collection systems; selection of Nimbus 6 investigations and recommendations to the NASA Space Science and Applications Steering Committee; Interrogation, Recording, and Location System (IRLS); Nimbus 5 and 6 performance incentives; procurement; wildlife tracking via Nimbus 6; coordination of Nimbus 6 and French Eole satellite activities; and Nimbus 5 and 6 Project Development Plan.</p>			
SPFL-43-B95-F1 6188	<b>File - Nimbus G (Launch Oct 24 1978) = Nimbus 7</b>	1973 - 1998	Location: Box 95
<p><i>Scope and content:</i></p> <p>Contains press releases and news clippings re the Nimbus 7 satellite studies of global ozone levels and the earth environment; Total Ozone Mapping Spectrometer (TOMS) system; use of TOMS on a Soviet Union (USSR) satellite; global warming; tracking of a volcanic cloud from Mount Pinatubo; Nimbus 7 procurement; US and USSR cooperation on global ozone measurement; remote sensing of the seas and oceans; Coastal Zone Color Scanner (CZCS) system; satellite data link to Antarctica; detection of oil spills and monitoring of pollution; improved weather forecasting; Nimbus 7 launch; and run-out costs. Includes correspondence re Nimbus 7 procurement, cost restraints, Standard Tape Recorder (STR) system, and data validation; brochure: "Nimbus-7: Observing the Atmosphere and Oceans"; and transcript of a press conference re the Nimbus 7 launch.</p>			
SPFL-43-B95-F2 6191	<b>File - National Oceanic Satellite System (NOSS)</b>	1978 - 1998	Location: Box 95
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re cooperation on the National Oceanic Satellite System (NOSS) by NASA, the National Oceanic and Atmospheric Administration (NOAA), and the US Navy; cancellation of NOSS by the Reagan administration; use of NOSS as an anti-submarine warfare system; and NOSS run-out costs. Includes correspondence between NASA and the House Committee on Science and Technology re NOSS costs, interagency cooperation agreements, and the prospect of NASA withdrawing from the system due to lack of funding. Also includes Lockheed Aircraft Corporation brochure re remote sensing of the oceans.</p>			
SPFL-43-B95-F3 6192	<b>File - NOAA General</b>	1970 - 1985	Location: Box 95
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re National Oceanic and Atmospheric Administration (NOAA) weather satellites; use of NOAA satellites to track bird migration; procurement of NOAA satellites; privatization of national weather satellites; use of NOAA weather satellite data to select the date for the British invasion of the Falkland Islands; snowmapping and snowcover data; location of fishing grounds; and the NOAA satellite system budget. Includes correspondence re NOAA and</p>			

	Tiros Operational Satellites (TOS) operations and systems, and NASA and Department of Commerce agreement on operational environmental satellites. Also includes a report to the NOAA Administrator: "First Five Years of the Environmental Satellite Program"; and excerpt from the Congressional Record re Department of Defense (DoD) control of weather satellites. Includes illustrations re the NOAA series satellite, and an image mosaic of the US by NOAA satellites.		
SPFL-43-B95-F4 6193	<b>File - NOAA-1</b>	1970 - 2007	Location: Box 95
	<i>Scope and content:</i> Contains news clippings and press releases re the launch of the National Oceanic and Atmospheric Administration (NOAA) 1 satellite, also known as Improved Tiros Operational Satellite (ITOS) A; and hurricane warnings. Includes photos re the NOAA 1 launch. Also contains booklet re NOAA 1 satellite.		
SPFL-43-B95-F5 6194	<b>File - ITOS-B Failed 10/21/71 Was To Be Called NOAA-2</b>	1971 - 1972	Location: Box 95
	<i>Scope and content:</i> Contains news clippings and press releases re the failed launch of the National Oceanic and Atmospheric Administration (NOAA) satellite Improved Tiros Operational Satellite (ITOS) B. Includes Delta launch vehicle system summary; and correspondence re the recovery of the ITOS B satellite and Delta launch vehicle. Also includes photo re the pre-launch check-out of ITOS B. Also contains correspondence re recovery of ITOS B and Delta launch vehicle parts from Greenland.		
SPFL-43-B95-F6 6195	<b>File - NOAA (ITOS-C) Cancelled 1972</b>	1972	Location: Box 95
	<i>Scope and content:</i> Correspondence re the costs to the National Oceanic and Atmospheric Administration (NOAA) for the cancelled Improved Tiros Operational Satellite (ITOS) C launch.		
SPFL-43-B95-F7 6196	<b>File - ITOS C Thru J</b>	1972 - 1976	Location: Box 95
	<i>Scope and content:</i> Contains press releases and news clippings re procurement by the National Oceanic and Atmospheric Administration (NOAA) for Improved Tiros Operational Satellites (ITOS) for weather observation. Includes and ITOS project schedule, and the use of Tiros Operational Satellites (TOS) by NOAA.		
SPFL-43-B95-F8 6197	<b>File - NOAA-2 (ITOS-D)</b>	1971 - 1974	Location: Box 95
	<i>Scope and content:</i> Contains news clippings and press releases re the National Oceanic and Atmospheric Administration (NOAA) 2 satellite, also known as the Improved Tiros Operational Satellite (ITOS) D; monitoring of weather patterns, volcanic activity, hurricanes, and water pollution; transfer of control of NOAA 2 from NASA to NOAA; and NOAA 2 launch. Includes photos re the NOAA 2 launch, and volcanic ash in Iceland.		
SPFL-43-B95-F9 6198	<b>File - ITOS-E Failed To Orbit 17 July 1973 Would Have Been NOAA-3</b>	1971 - 1973	Location: Box 95
	<i>Scope and content:</i> Miscellaneous news clippings re the failure of the Delta launch vehicle during the launch of the National Oceanic and Atmospheric Administration's (NOAA) Improved Tiros Operational Satellite (ITOS) E; NOAA weather observation and environmental monitoring; and ITOS procurement.		
SPFL-43-B95-F10 6199	<b>File - ITOS E2 Backup To NOAA 4/5</b>	1976 - 1977	Location: Box 95
	<i>Scope and content:</i>		

	Contains news clippings re the Improved Tiros Operational Satellite (ITOS) system; and the ITOS E2 satellite launch schedule.		
SPFL-43-B95-F11 6200	<b>File - NOAA-3 (ITOS-F) 1973-086a Nov. 6, 1973</b>	1970 - 1975	Location: Box 95
	<p><i>Scope and content:</i></p> <p>Miscellaneous news clippings and press releases re the National Oceanic and Atmospheric Administration (NOAA) 3 satellite, also known as Improved Tiros Operation Satellite (ITOS) F; use of NOAA 3 to track fish resources; transfer of NOAA 3 operations from NASA to NOAA; launch; remote sensing of ocean surface temperatures; and procurement. Includes photos re the NOAA 3 satellite, and of California as photographed by NOAA 3.</p>		
SPFL-43-B95-F12 6201	<b>File - (Pre-Launch) ITOS-G NOAA-4 1974-089a</b>	1970 - 1976	Location: Box 95
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the National Oceanic and Atmospheric Administration (NOAA) 4 satellite, also known as the Improved Tiros Operational Satellite (ITOS) G; imaging of a tropic storms; weather photo receiver system; location of fishing resources; use of NOAA 4 data for ship navigation; NOAA 4 launch; and procurement. Includes photos re the NOAA 4 satellite and launch.</p>		
SPFL-43-B95-F13 6202	<b>File - NOAA-5</b>	1973 - 1976	Location: Box 95
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the launch of the National Oceanic and Atmospheric Administration (NOAA) 5 satellite, also known as the Improved Tiros Operational Satellite (ITOS) H; remote sensing, photography, and weather forecasting activities; use of NOAA 5 data to locate fishing grounds; and ITOS procurement. Includes NOAA 5 press kit; and photos re the NOAA 5 satellite.</p>		
SPFL-43-B96-F1 6203	<b>File - NOAA-6 27 June 1979 11:52 Am 1979-57a</b>	1978 - 1991	Location: Box 96
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the National Oceanic and Atmospheric Administration (NOAA) 6 satellite; studies of the expansion and contraction of the Sahara Desert; NOAA 6 land vegetation index; study of ocean air currents; photography of damage to oil facilities during the Iran-Iraq War; and the launch of NOAA 6. Includes NOAA 6 press kit; vegetation map of the Nile River Delta taken by NOAA 6; and an Atlas launch vehicle.</p>		
SPFL-43-B96-F2 6204	<b>File - NOAA-B (May 29, 1980) Launch Vehicle Malfunction NOAA-7</b>	1976 - 1981	Location: Box 96
	<p><i>Scope and content:</i></p> <p>Miscellaneous news clippings and press releases re the failure of the National Oceanic and Atmospheric Administration (NOAA) B satellite to achieve proper orbit; investigation into the failure of the Atlas launch vehicle; and NOAA satellites launch schedule. Includes NOAA B pre-launch Mission Operation Report (MOR); and photos re the NOAA B satellite.</p>		
SPFL-43-B96-F3 6205	<b>File - NOAA-7 (1981-059a) 23 June Atlas F WSMC</b>	1976 - 1993	Location: Box 96
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the National Oceanic and Atmospheric Administration (NOAA) 7 satellite; tracking of volcanic clouds; expansion and contraction of the Sahara Desert; European Space Agency (ESA) storage, archiving, and distribution of earth observation data; replacement of the failed NOAA B satellite by NOAA 7; geologic applications of thermal infrared remote sensing; correction of NOAA 7 spacecraft anomaly; transfer of the NOAA D satellite to the US Navy; tracking of Hurricane Alicia; and NOAA 7 status reports. Includes NOAA 7 press kit. Also</p>		

	includes photos taken by NOAA 7 re the global biosphere, sea surface temperature, cloud cover, ocean remote sensing, and Hurricane Lili; and photos re the NOAA satellites, and the NOAA 7 launch.		
SPFL-43-B96-F4 6206	<b>File - NOAA 8 (1983-22a) 28 March 1983</b>	1976 - 1986	Location: Box 96
	<i>Scope and content:</i> Contains news clippings and press releases re the end of the National Oceanic and Atmospheric Administration (NOAA) 8 satellite operations; correction of NOAA 8 spacecraft anomalies; NOAA 8 search and rescue instrumentation and cooperation with the Search and Rescue Satellite (SARSAT); deferral of development of a new NOAA and US Air Force (USAF) satellite; and launch schedule for NOAA satellites. Includes illustrations re the design of NOAA satellites.		
SPFL-43-B96-F5 6207	<b>File - NOAA-9 (NOAA-F) Dec. 12, 1984</b>	1976 - 1993	Location: Box 96
	<i>Scope and content:</i> Contains news clippings and press releases re the National Oceanic and Atmospheric Administration (NOAA) 9 satellite; study of fish populations; expansion and contraction of the Sahara Desert; climate change; tracking of Yellowstone National Park forest fires; NOAA weather satellite system, budget, and launch schedule; search and rescue operations of NOAA 9; NOAA 9 launch; and the Earth Radiation Budget Experiment (ERBE) to study the earth's climate and weather systems. Includes photo by NOAA 9 of the earth's vegetation; and an illustration of the NOAA satellites design.		
SPFL-43-B96-F6 6208	<b>File - NOAA-10 1986-073a Sept 17 WSMC</b>	1986 - 1991	Location: Box 96
	<i>Scope and content:</i> Contains news clippings and press releases re the National Oceanic and Atmospheric Administration (NOAA) 10 satellite; tracking of Hurricanes Bob and Gilbert; monitoring of oil well fires after the Persian Gulf War; expansion and contraction of the Sahara Desert; monitoring of Mount Pinatubo volcanic activity; Search and Rescue Satellite (SARSAT); NOAA 10 launch; procurement; and launch schedule for NOAA satellites. Includes NOAA 10 press kit; correspondence re Deep Space Network (DSN) support to NOAA satellites; and photo re the launch of NOAA 10.		
SPFL-43-B96-F7 6209	<b>File - NOAA-11(H) Sept 24, 1988 88-89a VAFB</b>	1986 - 1998	Location: Box 96
	<i>Scope and content:</i> Contains news clippings and press releases re the National Oceanic and Atmospheric Administration (NOAA) 11 satellite; earth environment and crop monitoring; correction of an attitude control problem on the NOAA 11 satellite; ocean temperature monitoring; effects of volcanic dust from Mount Pinatubo; monitoring of oil field fires after the Persian Gulf War; NOAA 11 launch; ozone layer monitoring and search and rescue operations; and the NOAA weather satellite system. Includes correspondence re classified military launch operations at the Western Test Range (WTR). Also includes photos by the NOAA 11 satellite re earth vegetation, Kuwaiti oil field fires, Gulf Stream, and ozone levels; and photo re the launch of NOAA 11.		
SPFL-43-B96-F8 6210	<b>File - NOAA-12 May 14, 1991 1991-032a</b>	1990 - 2007	Location: Box 96
	<i>Scope and content:</i> Contains news clippings and press releases re the National Oceanic and Atmospheric Administration (NOAA) 12 satellite; tracking of volcanic ash from Mount Spurr; NOAA polar-orbiting environmental satellites; NOAA 12 launch and launch delays; NOAA 12 monitoring of the earth environment and global climate change; satellite remote sensing systems; shutdown of NOAA 12 satellite; and the NOAA Satellite Operation Control Center. Includes paper by Russell Koffler and LeRoy Spayd: "A Retrospective, Current and Future View of the United States Civil Operational Environmental Satellite Program"; and photo by NOAA 12 re world cloud cover.		

SPFL-43-B96-F9 6211	<b>File - NUSAT-1 34B(1985) STS 51B (4/29/86)</b>  <i>Scope and content:</i> Contains news articles and press releases re the Northern Utah Satellite (NUSAT); air traffic control radar system calibrator; ejection of NUSAT by Space Shuttle STS 51B; and the first college-built satellite. Includes photos re NUSAT satellite.	1985 - 1989	Location: Box 96
SPFL-43-B96-F10 7031	<b>File - NOAA-13 (1993-August 9)</b>  <i>Scope and content:</i> Contains news clippings and press releases re the NOAA 13 weather observation satellite; failure of NOAA 13; mishap investigation; and the Polar Orbiting Environmental Satellites (POES).	1987 - 1994	Location: Box 96
SPFL-43-B96-F11 10826	<b>File - NOAA-J (NOAA 14) 12/30/1994</b>  <i>Scope and content:</i> Contains news articles and press releases re NOAA 14 and; replacement for failed NOAA 13 satellite; Search and Rescue Satellite Aided Tracking (SARSAT); weather forecasting; instrument anomaly; launch on expendable launch vehicle (ELV). Also includes correspondence re turning NOAA 14 over from NASA to NOAA.	1980 - 1998	Location: Box 96
SPFL-43-B96-F12 11018	<b>File - NOAA-K (NOAA 15)</b>  <i>Scope and content:</i> Contains news articles and press releases re NOAA-K (NOAA 15) and launch aboard Titan 2 launch vehicle; weather forecasting; satellite design; and turnover of NOAA 15 from NASA to NOAA.	1998	Location: Box 96
SPFL-43-B96-F13 11020	<b>File - NOAA K, L, M, N General</b>  <i>Scope and content:</i> News articles and press releases re NOAA-K, NOAA-L, NOAA-M, NOAA-N, and launches; Titan 2 launch vehicle; launch delays; damage to NOAA-N Prime satellite; Polar-orbiting Operational Environmental Satellites (POES); satellite design; and contract selection. Includes NASA publications re NOAA M and NOAA N. Contains report: "Assessment of Opportunities for Increased Cooperation between NOAA and DoD in Polar Meteorological Satellite Programs". Includes payload assignments and instrument cost breakdowns. Also contains correspondence re cost estimates for NOAA-K, NOAA-L, and NOAA-M; and launch preparations for NOAA-M.	1982 - ?	Location: Box 96
SPFL-43-B97-F1 6212	<b>File - OAO General</b>  <i>Scope and content:</i> Contains news clippings and press releases re the Orbiting Astronomical Observatory (OAO) project; IBM Corporation data processing system for OAO; shutdown of OAO 2; review of NASA observatory class satellite failures; space telescopes; ultraviolet astronomy; and the design of OAO and other long-life unmanned satellites. Includes correspondence re the applicability of the Space Shuttle to OAO development, launch vehicle capabilities, and the OAO project. Includes OAO Project Approval Document (PAD). Also includes photos and illustrations re OAO 1, tracking and data acquisition network, ultraviolet astronomy experiment, and OAO objectives.	1955 - 1976	Location: Box 97
SPFL-43-B97-F2 6213	<b>File - Satellites: Orbital Astronomical Observatory</b>  <i>Scope and content:</i> Contains news clippings and press releases re the Orbiting Astronomical Observatory (OAO) 3 ("Copernicus"); OAO spacecraft testing facilities; OAO procurement; criticism of Goddard Space	1959 - 1977	Location: Box 97

	Flight Center (GSFC) management of the OAO program; OAO runout costs; manned astronomical observatories; OAO 1 failure review board and recommendations; Atlas-Centaur launch vehicles; space telescopes; Grumman Corporation; use of sounding rockets to test astronomical instruments; early orbiting observatory concepts; and ultraviolet astronomy. Includes correspondence re the contract with the Grumman Corporation for OAO, and OAO launch scheduling; and informational brochures re Grumman Corporation projects. Includes photos and illustrations re OAO design, launch and mission sequence, and astronomy investigations.		
SPFL-43-B97-F3 6219	<b>File - SAO Package</b>	1962 - 1971	Location: Box 97
	<i>Scope and content:</i> Contains articles and papers re Smithsonian Astrophysical Observatory's ultraviolet astronomy Project Telescope. Includes a bibliography re Project Telescope; and EMR Company publication: "Television-Photometry Applied to Space Sciences".		
SPFL-43-B98-F1 6214	<b>File - OAO History</b>	1966 - 1971	Location: Box 98
	<i>Scope and content:</i> NASA Headquarters Historical Note HHN115 by Robert S. Rudney: "A Preliminary History of the Orbiting Astronomical Observatory (OAO) Program, 1966-1968"; and a transcript of a briefing to NASA Administrator James Webb re justifications for the continuation of the OAO program.		
SPFL-43-B98-F2 6215	<b>File - Orbiting Astronomical Observatory (OAO) Documentation (1 Of 3)</b>	1971 - 1972	Location: Box 98
	<i>Scope and content:</i> Contains correspondence re the guest investigator programs for the Orbiting Astronomical Observatory (OAO) 3 Princeton Experiment Package (PEP) and the OAO 2 Wisconsin Experiment Package (WEP); OAO 3 status reports and launch readiness reviews; Relativity Gravity Probe A (GPA) investigations; and infrared space telescopes.		
SPFL-43-B98-F3 6216	<b>File - Orbiting Astronomical Observatory (OAO) Documentation (2 Of 3)</b>	1958 - 1981	Location: Box 98
	<i>Scope and content:</i> Contains correspondence re the review of the failure of the Orbiting Astronomical Observatory (OAO) B satellite; procurement for OAO follow-on spacecraft; OAO 2 and OAO 3 payload selection, spacecraft testing, data acquisition, scientific results, and opportunities for participation; proposal for on-orbit repair of an OAO satellite; FY1968 and FY1966 NASA budget for OAO; review of NASA's orbiting observatory projects; and OAO Project Approval Document (PAD). Includes paper by Nancy G. Roman: "The Orbiting Astronomical Observatory"; report: "Plan for Conducting Review of Observatory Class Spacecraft Projects"; press release re the completion of the OAO project review; and photos taken by an Xray telescope.		
SPFL-43-B99-F1 6217	<b>File - Orbiting Astronomical Observatory (OAO) Documentation (3 Of 3)</b>	1968 - 1970	Location: Box 99
	<i>Scope and content:</i> Contains correspondence re the Orbiting Astronomical Observatory (OAO) 2 satellite guest investigator program, status reports, scientific results, launch preparations, and data acquisition; OAO project history and achievements; NASA budget; procurement; the failure of the OAO B satellite to achieve orbit, failure investigation, mission objectives, flight readiness review, and guest observer plans; opportunities for participation in OAO flights; Princeton Experiment Package (PEP); infrared telescope design review; Apollo 13 Review Board recommendations for the review of spacecraft subsystems; OAO program management review and restructuring; NASA astronomy programs; Goddard Experiment Package (GEP); and FY1971 NASA budget defense.		
SPFL-43-B99-F2 6218	<b>File - OAO Miscellaneous</b>	1964 - 1969	Location: Box 99

	<p><i>Scope and content:</i></p> <p>Contains information sheets from the Grumman Corporation re the NASA/Grumman Orbiting Astronomical Observatory (OAO) program history, OAO spacecraft design and improvements in satellite systems, Atlas-Centaur launch vehicle, and OAO B mission sequence and major subcontractors. Includes articles: "Rocket Infrared Astronomy: On the Track of the 'Big Bang'" by Douglas P. McNutt; "Glimpsing the Hidden X-ray Universe" by Talbot A. Chubb and Herbert Friedman; "Apollo Solar Experiments-Paving the Way for Advanced Space Observatories" by Thomas C. Winter; and "Far-ultraviolet Stellar Astronomy" by George R. Carruthers. Also includes Grumman Corporation brochure: "OAO, Eye on the Universe"; and Goddard Space Flight Center (GSFC) "Handbook for the Goddard Experiment Package".</p>		
SPFL-43-B99-F3 6220	<b>File - Wisconsin Experiment Package (WEP) - Orbiting Astronomical Observatory (OAO)</b>	1966 - 1969	Location: Box 99
	<p><i>Scope and content:</i></p> <p>Monthly reports from the Cook Electric Company re the progress of the Wisconsin Experiment Package (WEP) ultraviolet astronomy telescope complex for the Orbiting Astronomical Observatory (OAO); memoranda re WEP thermal analysis and subassembly acceptance tests; and brochure re the Cook Electric Company.</p>		
SPFL-43-B99-F4 6221	<b>File - OAO I</b>	1965 - 1966	Location: Box 99
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Orbiting Astronomical Observatory (OAO) 1 satellite failure, launch and delays, space telescopes, and astronomical investigations. Includes OAO 1 press kit; and Booz Allen and Hamilton Company OAO reliability assessment study. Includes photos and illustrations re OAO 1 spacecraft and launch preparations. Also contains correspondence re OAO 1 satellite status; satellite failure; study of rendezvous and inspection of OAO 1 on a Gemini or Apollo mission; and use of surplus Mercury program beryllium heat shields as OAO 1 telescope mirror.</p>		
SPFL-43-B100-F1 6222	<b>File - OAO Project: Handbook And Briefing</b>	1959 - 1961	Location: Box 100
	<p><i>Scope and content:</i></p> <p>Transcript of a press conference re the Orbital Astronomical Observatory (OAO) ultraviolet astronomy investigations; OAO spacecraft reference handbook re data processing, communications, power supply, thermal control, and ground support; and NASA Special Publication SP30: "The Observatory Generation of Satellites".</p>		
SPFL-43-B100-F2 6223	<b>File - OAO-I Booz-Allen Recommendations</b>	1967	Location: Box 100
	<p><i>Scope and content:</i></p> <p>Recommendations by Booz Allen and Hamilton, Incorporated re the Orbiting Astronomical Observatory (OAO) 1 satellite failure review.</p>		
SPFL-43-B100-F3 6224	<b>File - Orbiting Astronomical Observatory 2 (OAO-2)</b>	1965 - 1977	Location: Box 100
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Orbiting Astronomical Observatory (OAO) 2 satellite; ultraviolet astronomy; shut-down of OAO 2; applications of astronomy to atmospheric research; OAO costs; orbiting astronomical observatory programs; space dust studies; discovery of comets; spacecraft operations; support to Apollo 8; and launch preparations. Includes correspondence re Smithsonian Astrophysical Observatory OAO 2 investigations, opportunities for participation, and continuation of OAO 2 operations. Also includes brochure re Grumman Corporation work on OAO 2; and transcript of a</p>		

	press conference re OAO 2 results. Includes photos and illustrations re the OAO 2 spacecraft and launch; and photos of stars taken by OAO 2.		
SPFL-43-B100-F4 6225	<b>File - OAO-A2 Press Kit</b>  <i>Scope and content:</i> Press kit re the Orbiting Astronomical Observatory (OAO) A2 satellite science objectives and experiments; spacecraft; Atlas-Centaur launch vehicle; flight sequence and orbital operations; and astronomy.	1968	Location: Box 100
SPFL-43-B100-F5 6226	<b>File - OAO Grumman And NASA Pubs.</b>  <i>Scope and content:</i> Grumman Corporation news reference publication and informational booklet re the Orbiting Astronomical Observatory (OAO) program, spacecraft design and systems, and experiment packages. Includes NASA publication; "OAO-Two Years of Scientific Achievement" re the scientific results from the OAO 2 satellite.	1969 - 1972	Location: Box 100
SPFL-43-B101-F1 6227	<b>File - OAO-III (C) "Copernicus" August 21, 1972</b>  <i>Scope and content:</i> Contains news clippings and press releases re the Orbiting Astronomical Observatory (OAO) 3 satellite ("Copernicus"); end of the OAO 3 mission; study of the "Big Bang" theory, and the birth and evolution of the universe; stellar observations; study of the earth's ozone; evidence of black holes; Comet Kohoutek; Nicolaus Copernicus's 500th birthday; OAO 3 launch; orbital activities; procurement; naming of OAO 3; and the building of a new OAO satellite. Includes OAO 3 press kit, and a booklet of OAO 3 press coverage. Also includes photos re the OAO 3 spacecraft; and activities commemorating the launch of OAO 3.	1965 - 1981	Location: Box 101
SPFL-43-B101-F2 6228	<b>File - OAO 2 Newspaper Clippings</b>  <i>Scope and content:</i> Contains news clippings and press releases re the termination of the Orbiting Astronomical Observatory (OAO) 2 satellite mission; OAO 2 scientific results; ultraviolet astronomy; black holes; study of the creation and evolution of stars; comets; OAO costs; correction of OAO 2 spacecraft tumble; launch; spacecraft design and systems; telescopes; and launch delays. Includes a Grumman Corporation brochure re the OAO project.	1968 - 1972	Location: Box 101
SPFL-43-B101-F3 6229	<b>File - OAO-III(B) Failure</b>  <i>Scope and content:</i> Miscellaneous press releases re the failure of the Atlas-Centaur launch vehicle during the launch of the Orbiting Astronomical Observatory (OAO) 3B satellite; establishment of a launch failure review board; OAO 3B launch delays; and procurement. Includes correspondence re the Atlas-Centaur failure review board; and report of the House Subcommittee on NASA Oversight: "Review of Recent Launch Failures". Also includes a booklet re press coverage of OAO; and photo re the OAO 3B launch.	1964 - 1971	Location: Box 101
SPFL-43-B101-F4 6230	<b>File - OAO III (B) (Press Kit) Failure</b>  <i>Scope and content:</i> Press kit re the Orbiting Astronomical Observatory (OAO) 3B satellite, mission, and launch operations.	1970	Location: Box 101
SPFL-43-B101-F5 6231	<b>File - OAO III (B) Failure (Newspaper Clippings)</b>  <i>Scope and content:</i>	1969 - 1971	Location: Box 101

	Contains news clippings re the Orbiting Astronomical Observatory (OAO) 3B launch delays, failure to achieve orbit, study of the Atlas-Centaur launch vehicle failure, space telescopes and ultraviolet astronomy, and procurement.		
SPFL-43-B101-F6 6232	<b>File - OAO-III B Replacement</b>	1970 - 1971	Location: Box 101
	<i>Scope and content:</i> Miscellaneous news clippings re lack of funding for a replacement for the failed Orbiting Astronomical Observatory (OAO) 3B satellite; and plans for building an additional OAO satellite.		
SPFL-43-B101-F7 6233	<b>File - Orbiting Frog Otolith (OFO)</b>	1960 - 1971	Location: Box 101
	<i>Scope and content:</i> Contains news clippings and press releases re the Orbiting Frog Otolith (OFO) experiment to test the effects of long duration space flight; death of frogs during the OFO flight; launch delays; procurement; and effects of zero gravity on the inner ear and the causes of motion sickness. Includes correspondence re OFO program management; Nuclear Engine for Rocket Vehicle Application (NERVA) thrust levels; reviews of OFO experiments, Scout launch vehicle, and contractor performance; and the radiation and meteoroid sensor secondary payload. Also includes press kit; Project Development Plan (PDP) and other project management reports; NASA Technical Translation TTF14535 by T. Gualtierotti: "The Conquest of Outer Space"; and an informational brochure re OFO. Includes photos and illustrations re the OFO spacecraft, the participating frogs, OFO launch, and diagrams of the inner ear.		
SPFL-43-B101-F8 11061	<b>File - Orbiting Carbon Observatory (OCO) Satellite</b>	2002 - ?	Location: Box 101
	<i>Scope and content:</i> Contains news articles and press releases re Orbiting Carbon Observatory (OCO) satellite and mission; global warming; launch on Taurus 2 launch vehicle; failure of OCO due to lack of shroud separation; investigation into OCO failure; and replacement for OCO.		
SPFL-43-B102-F1 6234	<b>File - Orbiting Data Relay Satellite (ODRS)</b>	1966	Location: Box 102
	<i>Scope and content:</i> Press release re the selection of contractors for the Orbiting Data Relay Satellite System.		
SPFL-43-B102-F2 6235	<b>File - Satellites: Orbiting Geophysical Observatory</b>	1960 - 1970	Location: Box 102
	<i>Scope and content:</i> Contains news clippings and press releases re the Orbiting Geophysical Observatory (OGO) program costs, experiment selection and results, interaction of solar activity with the earth's atmosphere, launch sequence, and spacecraft design; Polar Orbiting Geophysical Observatory (POGO) experiments; TRW Incorporated contract for work on OGO; and the "streetcar" satellite. Includes TRW brochure and a "NASA Facts" educational publication re OGO; paper by Nancy G. Roman: "The Orbiting Astronomical Observatory and the Orbiting Solar Observatory" re space based astronomy; and a "Summary of the Geodetic Satellites Program Follow-On". Also includes photos and illustrations re the OGO and POGO spacecraft, launch configuration, program objectives, and spacecraft checkout.		
SPFL-43-B102-F3 6236	<b>File - Documentation OGO</b>	1960 - 1969	Location: Box 102
	<i>Scope and content:</i> Contains correspondence re the Orbiting Geophysical Observatory (OGO) program, selection of payloads and experiments, launch vehicle assessment, procurement, spacecraft testing and status, solar activity monitoring, FY1967 funding requirements, tracking and data acquisition support for the Polar Orbiting Geophysical Observatory (POGO), and POGO payload selection.		

SPFL-43-B102-F4 11068	<b>File - Orbiting Geophysical Observatory (OGO) Photos</b>	1964 - 1968	Location: Box 102
	<i>Scope and content:</i> Contains negatives of photos re Orbiting Geophysical Observatory (OGO) and OGO 1 satellite; OGO 2 satellite; OGO 3 satellite; OGO 4 satellite; and OGO 5 satellite.		
SPFL-43-B103-F1 6237	<b>File - OGO: NASA SP7601</b>	1975	Location: Box 103
	<i>Scope and content:</i> NASA Special Publication SP7601 by John E. Jackson and James I. Vette: "Orbiting Geophysical Observatories (OGO) Program Summary" re the OGO program and scientific results; spacecraft and experiments; program investigators; and abstracts of OGO technical reports.		
SPFL-43-B103-F2 6239	<b>File - Space Tech. Lab.: OGO Progress</b>	1961 - 1962	Location: Box 103
	<i>Scope and content:</i> Space Technology Laboratories, Incorporated monthly progress reports re Orbiting Geophysical Observatory (OGO) spacecraft construction status, systems integration, stabilization and control, ground support equipment, power supply, communications, data handling, thermal control, and structures.		
SPFL-43-B103-F3 6240	<b>File - Orbiting Geophysical Observatories: OGO II</b>	1962 - 1981	Location: Box 103
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the Orbiting Geophysical Observatory 2 satellite, failure to achieve correct orbit, study of the earth's magnetic field and radiation hazards, and the selection of Polar Orbiting Geophysical Observatory (POGO) experiments. Includes OGO 2 press kit; and photos re the OGO 2 launch configuration and pre-launch checkout.		
SPFL-43-B103-F4 6242	<b>File - Newell Cong. Test., OGO</b>	1965	Location: Box 103
	<i>Scope and content:</i> Testimony of Homer Newell before the House Subcommittee on Space Science and Applications re NASA's physics, geophysics, and astronomy programs.		
SPFL-43-B103-F5 6243	<b>File - Observatory Satellites: SP30</b>	1963	Location: Box 103
	<i>Scope and content:</i> NASA Special Publication SP30: "The Observatory Generation of Satellites" re the mission and engineering design of the Orbiting Geophysical Observatory (OGO), the Advanced Orbiting Solar Observatory (AOSO), and the Orbiting Astronomical Observatory (OAO).		
SPFL-43-B103-F6 6244	<b>File - Orbiting Geophysical Observatory OGO 4</b>	1967	Location: Box 103
	<i>Scope and content:</i> Press release re the Orbiting Geophysical Observatory (OGO) 4 satellite data collection; OGO 4 press kit; and photo re OGO 4 spacecraft testing.		
SPFL-43-B103-F7 6245	<b>File - OGO 4 Newspaper Clippings</b>	1967	Location: Box 103
	<i>Scope and content:</i> Miscellaneous news clippings re the launch and operations of the Orbiting Geophysical Observatory (OGO) 4 satellite.		

SPFL-43-B103-F8 6246	<b>File - Orbiting Geophysical Observatory OGO 5</b>	1964 - 1970	Location: Box 103
<i>Scope and content:</i> Contains press releases re the Orbiting Geophysical Observatory (OGO) 5 satellite; measurements of radiation; final use of the Atlas-Agena launch vehicle; observations of comets; and selection of OGO 5 investigations. Includes photos re OGO 5 spacecraft checkout; Atlas Agena launch vehicle; and OGO 5 launch. Also contains correspondence re OGO 5 launch.			
SPFL-43-B103-F9 6247	<b>File - OGO 5 Press Kit</b>	1968	Location: Box 103
<i>Scope and content:</i> Press kit re the Orbiting Geophysical Observatory (OGO) 5 satellite, contractors, experiments, spacecraft, Atlas-Agena launch vehicle, and project team.			
SPFL-43-B104-F1 6248	<b>File - OGO 5 Newspaper Clippings</b>	1968 - 1971	Location: Box 104
<i>Scope and content:</i> Contains news clippings re the Orbiting Geophysical Observatory (OGO) 5 satellite; detection of water on comets; discovery of a hydrogen gas cloud in space; measurement of radiation; OGO 5 launch; and the study of the effects of solar activity on the earth's atmosphere.			
SPFL-43-B104-F2 6249	<b>File - OGO VI</b>	1966 - 1979	Location: Box 104
<i>Scope and content:</i> Contains news clippings and press releases re the Orbiting Geophysical Observatory (OGO) 6 satellite, reentry to the earth's atmosphere, launch, and selection of experiments. Includes photos re the OGO 6 launch.			
SPFL-43-B104-F3 6250	<b>File - OGO-VI Press Kit</b>	1969	Location: Box 104
<i>Scope and content:</i> Press kit re the Orbiting Geophysical Observatory (OGO) 6 satellite, spacecraft and systems, science objectives and experiments, launch vehicle, flight sequence, and project team. Includes press release re the testing of OGO 6 experiments.			
SPFL-43-B104-F4 6251	<b>File - OGO-VI Newspaper Clippings</b>	1966 - 1969	Location: Box 104
<i>Scope and content:</i> Contains news clippings re the Orbiting Geophysical Observatory (OGO) 6 satellite, study of cosmic rays trapped in the earth's magnetic field, and OGO 6 launch. Includes photos re OGO 6 and launch.			
SPFL-43-B104-F5 6252	<b>File - Open Satellites (Shuttle Launched)</b>	1979 - 1982	Location: Box 104
<i>Scope and content:</i> Miscellaneous news clippings and press releases re the Origin of Plasma in the Earth's Neighborhood (OPEN) satellite to study the transfer of the Sun's energy from the solar wind through the earth's magnetosphere.			
SPFL-43-B104-F6 6253	<b>File - Orbiting Solar Observatory (OSO)</b>	1959 - 1971	Location: Box 104
<i>Scope and content:</i> Contains news clippings and press releases re the Orbiting Solar Observatory (OSO) program; solar exploration; procurement; OSO costs; OSO C launch failure; General Accounting Office (GAO) study of OSO management; OSO spacecraft description; knowledge of the Sun; and OSO astronomy			

	investigations. Includes brochures re the OSO spacecraft and science objectives; "NASA Facts" educational brochure re OSO; and papers: "A Decade of Improvements to OSO" and "The Orbiting Astronomical Observatory (OAO) and the Orbiting Solar Observatory (OSO)". Includes photos re the OSO spacecraft, spacecraft checkout, control and electrical systems, and the relationship between the Sun and the earth. Also contains speech re OSO by Nancy Roman: "The Orbiting Astronomical Observatory and the Orbiting Solar Observatory".		
SPFL-43-B104-F7 6254	<b>File - OSO Reading 1970-1972</b>	1970 - 1972	Location: Box 104
	<i>Scope and content:</i> Miscellaneous correspondence re the Orbiting Solar Observatory (OSO) program; selection of OSO investigations and recommendations to the NASA Space Science and Applications Steering Committee; launch readiness reviews; Goddard Space Flight Center (GSFC) technical and financial review of OSO; program costs and funding; procurement plans; and OSO Project Approval Document (PAD).		
SPFL-43-B104-F8 11069	<b>File - Orbiting Solar Laboratory (OSL)</b>	1991	Location: Box 104
	<i>Scope and content:</i> Contains NASA Publication NP-143: "OSL, Orbiting Solar Laboratory: Our Window on the Sun".		
SPFL-43-B105-F1 6255	<b>File - OSO Documentation (2 Of 2)</b>	1959 - 1971	Location: Box 105
	<i>Scope and content:</i> Contains correspondence re the Orbiting Solar Observatory (OSO) program; inadvertent ignition of motor during the mating of an OSO spacecraft with a Delta launch vehicle, and resulting injuries; use of gold in OSO spacecraft; investigation of OSO C launch failure; selection of OSO investigations; tracking and data acquisition and data reduction support; summary operations plans; procurement and contract incentive plans; statement of James Webb, Hugh Dryden, and Robert Seamans on the selection of contracts for the Advanced Orbiting Solar Observatory (AOSO) design study; OSO and AOSO astronomy investigations; launch schedules; project management report; and solar exploration and the use of OSO data to study the solar atmosphere.		
SPFL-43-B105-F2 6256	<b>File - NASA SP57: OSO I</b>	1960 - 1965	Location: Box 105
	<i>Scope and content:</i> NASA Special Publication SP57: "Orbiting Solar Observatory Satellite-OSO I" re the Orbiting Solar Observatory (OSO) 1 satellite and its scientific data and results. Includes a NASA report re an overview of the OSO 1 project.		
SPFL-43-B105-F3 6257	<b>File - Orbiting Solar Observatories: OSO I (OSO A)</b>	1960 - 2007	Location: Box 105
	<i>Scope and content:</i> Contains news clippings and press releases re the Orbiting Solar Observatory (OSO) 1 satellite; prediction of solar flare activity and applications to manned space flight; knowledge of the Sun; OSO spacecraft description; NASA quality control on spacecraft construction; OSO 1 launch and progress reports; and space telescopes. Includes "NASA Facts" educational brochure and Ball Brothers Research Corporation brochure re OSO; transcript of a press conference re OSO 1 operations; and a NASA report re OSO 1 project participants, objectives, spacecraft and systems, experiments, and ground support. Also includes photos re the OSO 1 spacecraft, and launch by a Thor-Delta launch vehicle; and an illustration re the OSO 1 flight sequence.		
SPFL-43-B105-F4 6258	<b>File - Orbiting Solar Observatories: OSO II (OSO B)</b>	1965 - 1989	Location: Box 105
	<i>Scope and content:</i>		

	Contains news clippings and press releases re the Orbiting Solar Observatory (OSO) 2 satellite; measurement of discrete light sources on earth; shut down and re-start of OSO 2; and the return of data from OSO 2 solar exploration experiments. Includes press kit. Also includes photos re the OSO 2 spacecraft, pre-launch checkout, and launch; and illustrations re the OSO 2 spacecraft configuration and OSO 2 experiments.		
SPFL-43-B105-F5 6259	<b>File - OSO C (Failed)</b>	1965	Location: Box 105
	<i>Scope and content:</i> Contains news clippings and press releases re the failed launch of the Orbiting Solar Observatory (OSO) C satellite; OSO C press kit; and photos re the OSO C launch.		
SPFL-43-B105-F6 6260	<b>File - OSO III</b>	1967 - 1970	Location: Box 105
	<i>Scope and content:</i> Miscellaneous press releases re the extended lifetime of Orbiting Solar Observatory (OSO) satellite and opportunities for participation; OSO 3 satellite and sounding rocket measurements of solar ultraviolet radiation in the earth's atmosphere; OSO 3 study of the effects of meteoroids on spacecraft electrical systems; and OSO 3 study of the space heat environment. Includes photos re the OSO 3 launch.		
SPFL-43-B105-F7 6261	<b>File - OSO III Press Kit</b>	1967	Location: Box 105
	<i>Scope and content:</i> Press kit re the Orbiting Solar Observatory (OSO) 3 satellite, satellite design, experiments, power system, Delta launch vehicle, tracking stations, and the OSO project team.		
SPFL-43-B105-F8 6262	<b>File - OSO III Newspaper Clippings</b>	1967 - 1982	Location: Box 105
	<i>Scope and content:</i> Contains news clippings re the Orbiting Solar Observatory (OSO) 3 satellite; launch; and solar radiation, cosmic ray, and x-ray astronomy investigations.		
SPFL-43-B105-F9 6263	<b>File - OSO IV</b>	1965 - 1982	Location: Box 105
	<i>Scope and content:</i> Contains press releases re the extended lifetime of the Orbiting Solar Observatory (OSO) satellites, and OSO 4 satellite procurement. Includes photos re the OSO 4 spacecraft, check-out, launch, and pictures of the Sun's atmosphere.		
SPFL-43-B105-F10 6264	<b>File - OSO IV Press Kit</b>	1967	Location: Box 105
	<i>Scope and content:</i> Press kit re the Orbiting Solar Observatory (OSO) 4 satellite, experiments, spacecraft and power system, Delta launch vehicle, flight events, tracking stations, and the OSO project team.		
SPFL-43-B106-F1 6265	<b>File - OSO IV Newspaper Clippings</b>	1967 - 1968	Location: Box 106
	<i>Scope and content:</i> Miscellaneous news clippings re the Orbiting Solar Observatory (OSO) 4 satellite, ultraviolet astronomy, and studies of solar radiation and solar flare activity.		
SPFL-43-B106-F2 6266	<b>File - OSO V</b>	1969 - 1984	Location: Box 106
	<i>Scope and content:</i>		

	Contains news clippings and press releases re the Orbiting Solar Observatory (OSO) 5 satellite; retirement and reactivation of OSO 5; and studies of solar storm activity. Includes photos re the OSO 5 spacecraft, pre-launch checkout, and launch.		
SPFL-43-B106-F3 6267	<b>File - OSO V Press Kit</b>	1969	Location: Box 106
	<i>Scope and content:</i> Press kit re the Orbiting Solar Observatory (OSO) 5 satellite experiments, Delta launch vehicle, flight events, and OSO project team.		
SPFL-43-B106-F4 6268	<b>File - OSO V Newspaper Clippings</b>	1968 - 1969	Location: Box 106
	<i>Scope and content:</i> Contains news clippings re the Orbiting Solar Observatory (OSO) 5 satellite launch and solar flare studies.		
SPFL-43-B106-F5 6269	<b>File - OSO VI</b>	1969 - 1981	Location: Box 106
	<i>Scope and content:</i> Contains press releases re the Orbiting Solar Observatory (OSO) 6 satellite, and attitude control system. Includes photos re OSO 6 pre-launch spacecraft checkout.		
SPFL-43-B106-F6 6270	<b>File - OSO-VI Press Kit</b>	1969	Location: Box 106
	<i>Scope and content:</i> Press Kit re the Orbiting Solar Observatory (OSO) 6 satellite spacecraft design; OSO 6 experiments; knowledge of the Sun; OSO program scientific results; Delta launch vehicle; and the OSO project team.		
SPFL-43-B106-F7 6271	<b>File - OSO VI Newspaper Clippings</b>	1969	Location: Box 106
	<i>Scope and content:</i> Contains news clippings re the Orbiting Solar Observatory (OSO) 6 satellite; studies of solar flare activity; spacecraft control system; and OSO 6 launch.		
SPFL-43-B106-F8 6272	<b>File - OSO VII</b>	1966 - 1977	Location: Box 106
	<i>Scope and content:</i> Contains news clippings and press releases re the Orbiting Solar Observatory (OSO) 7 satellite; measurements of solar flare radiation; discovery of polar caps on the Sun; studies of Comet Kohoutek; Xray astronomy; detection of nuclear reactions on the Sun's surface; review of the Delta launch vehicle failure; and correction of OSO 7's faulty orbit. Includes press kit; and correspondence re OSO 7 instruments for extreme ultraviolet, soft xray, and cosmic ray experiments. Also includes illustration re OSO 5 and OSO 7 correlative operations; photo re the Delta launch vehicle; and a spectroheliogram photo taken by OSO 7.		
SPFL-43-B106-F9 6273	<b>File - OSO 8 (21 June 1975) 1975-057a</b>	1969 - 1986	Location: Box 106
	<i>Scope and content:</i> Contains news clippings and press releases re the Orbiting Solar Observatory (OSO) 8 satellite; termination of operations; solar telescope; study of solar Xray bursts; use of Apollo Telescope Mount (ATM) data; OSO project costs; procurement for the Advanced Orbiting Solar Observatory (AOSO); and OSO 8 payload selection. Includes press kit; and photos re the OSO 8 spacecraft and the Delta launch vehicle; and an illustration re OSO 8 solar objectives.		

SPFL-43-B106-F10 6274	<b>File - OSO-J (IX)</b>	1969 - 1972	Location: Box 106
	<i>Scope and content:</i> Contains news clippings re the reinstatement of the Orbiting Solar Observatory (OSO) J satellite and OSO K to the NASA FY1973 budget; procurement for the Advanced Orbiting Solar Observatory (AOSO); and OSO runout costs. Includes correspondence re the review of OSO J investigation proposals.		
SPFL-43-B106-F11 6275	<b>File - OSO-J (IX)</b>	1969 - 1972	Location: Box 106
	<i>Scope and content:</i> Contains news clippings re the reinstatement of the Orbiting Solar Observatory (OSO) J satellite and OSO K to the NASA FY1973 budget; procurement for the Advanced Orbiting Solar Observatory (AOSO); and OSO runout costs.		
SPFL-43-B106-F12 6276	<b>File - Orbiting Primate Spacecraft (OPS)</b>	1966 - 1971	Location: Box 106
	<i>Scope and content:</i> Contains news clippings and press releases re use of monkeys for biomedical research on the Integrated Medical and Behavioral Laboratory Measurement Systems, and a proposed Orbiting Primate Spacecraft (OPS) to study the effects of long duration space flight on monkeys.		
SPFL-43-B106-F13 6277	<b>File - Orbiting Radio Astronomical Observatory (ORAO)</b>	1966 - 1968	Location: Box 106
	<i>Scope and content:</i> News clipping and report re a TRW Incorporated feasibility studies of an Orbiting Radio Astronomical Observatory (ORAO).		
SPFL-43-B106-F14 6281	<b>File - Satellites: OSCAR</b>	1960 - 1991	Location: Box 106
	<i>Scope and content:</i> Contains news clippings and press releases re the Orbiting Satellite Carrying Amateur Radio (OSCAR) project; OSCAR satellite launches; use of satellites by ham radio operators; and ham radio broadcasts from Space Shuttle STS 9. Includes correspondence re OSCAR launches, and proposals to includes amateur radio broadcasts on Skylab and Space Shuttle missions.		
SPFL-43-B107-F1 6278	<b>File - Orbital Test Satellite (ESA)-1 Destroyed 13 Sept. 1977</b>	1972 - 1978	Location: Box 107
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the failure of the Delta launch vehicle during the launch of the European Space Agency's (ESA) Orbital Test Satellite (OTS) 1; OTS telecommunications capabilities; and OTS procurement. Includes press kit; and photos re the OTS 1 launch, spacecraft, and Delta launch vehicle failure.		
SPFL-43-B107-F2 6279	<b>File - OTS-2 (US/ESA) 11 May 78-044a</b>	1975 - 1988	Location: Box 107
	<i>Scope and content:</i> Contains news clippings and press releases re the European Space Agency's (ESA) Orbital Test Satellite (OTS) 2; use of OTS 2 to transmit scientific data and television programs; and OTS 2 launch. Includes press kit; and photos re the OTS 2 launch and spacecraft.		
SPFL-43-B107-F3 6280	<b>File - Orbiting Service System</b>	1970 - 1991	Location: Box 107
	<i>Scope and content:</i>		

	Contains news clippings and press releases re on-orbit satellite refueling and repair; the design of refueling and repair systems; military space station to refuel military satellites; and Space Shuttle STS 41G Extravehicular Activity (EVA), or space walk, with the Orbital Refueling System (ORS). Includes brochures, papers, and correspondence re ORS and on-orbit satellite repair; photos re STS 41G EVA; and photos and illustrations re satellite repair, retrieval, and refueling systems.		
SPFL-43-B107-F4 6282	<b>File - OSCAR (Orbiting Satellite Carrying Amateur Radio) 1-4</b>	1962 - 1984	Location: Box 107
	<i>Scope and content:</i> Contains news clippings re the use of Orbiting Satellite Carrying Amateur Radio (OSCAR) satellites by ham radio operators.		
SPFL-43-B107-F5 6283	<b>File - OSCAR-5 (Australian Satellite)</b>	1966 - 1970	Location: Box 107
	<i>Scope and content:</i> Miscellaneous news clippings and correspondence re the launch of the Australian Orbiting Satellite Carrying Amateur Radio (OSCAR) 5 satellite; and the establishment of the Radio Amateur Satellite Corporation (AMSAT). Includes photo re the OSCAR 5 satellite.		
SPFL-43-B107-F6 6284	<b>File - OSCAR 6 (Oct. 1972) Pick-A-Back To NOAA-2</b>	1972 - 1976	Location: Box 107
	<i>Scope and content:</i> Contains news clippings and press releases re the Orbiting Satellite Carrying Amateur Radio (OSCAR) 6 satellite; use of OSCAR 6 as a search and rescue satellite; and the OSCAR 6 launch. Includes photo re pre-launch check-out of OSCAR 6 by the Radio Amateur Satellite Corporation's (AMSAT) Perry Klein and Jan King.		
SPFL-43-B107-F7 6285	<b>File - OSCAR 7 Amsat 1974-089b (11/15/1974)</b>	1972 - 1976	Location: Box 107
	<i>Scope and content:</i> Contains news clippings and press releases re the Orbiting Satellite Carrying Amateur Radio (OSCAR) 7 satellite, and the launch of the NOAA 4, INTASAT, and OSCAR 7 satellites by a single Delta launch vehicle. Includes photos re the OSCAR 7 spacecraft.		
SPFL-43-B107-F8 6286	<b>File - OSCAR 8 (Amsat Launched W/ Landsat 3) 5 March 1978</b>	1974 - 1978	Location: Box 107
	<i>Scope and content:</i> Contains news clippings and press releases re the launch of the Orbiting Satellite Carrying Amateur Radio (OSCAR) 8 satellite and the use of OSCAR 8 by ham radio operators. Includes press kit and photos re the OSCAR 8 satellite.		
SPFL-43-B107-F9 6287	<b>File - OSCAR 9 (UOSat) 1981-100b (10/06/1981)</b>	1981 - 1989	Location: Box 107
	<i>Scope and content:</i> Contains news clippings re the launch of the Orbiting Satellite Carrying Amateur Radio (OSCAR) 9 satellite, also known as the University of Surrey (UOSat) satellite. Includes photos re the OSCAR 9 satellite.		
SPFL-43-B107-F10 6288	<b>File - Orbiting Wide-Angle Light Collector (OWL) Satellite</b>	1963 - 1997	Location: Box 107
	<i>Scope and content:</i> Contains news articles, press releases, and correspondence re the Orbiting Wide-angle Light Collector (OWL) Explorer satellite and the contract between NASA and Rice University for the Explorer OWL		

	satellite; NASA University Explorers (UNEX) program; and the termination of the OWL satellite program. Includes illustrations of Explorer OWL satellite investigations.		
SPFL-43-B107-F11 6289	<b>File - Space Probes: P-21</b>	1961 - 1962	Location: Box 107
	<i>Scope and content:</i> Contains press releases re the P-21 probe of the Earth's atmosphere. Also includes press conference re P-21 probe science results.		
SPFL-43-B107-F12 6290	<b>File - Space Probes: P-21A</b>	1962	Location: Box 107
	<i>Scope and content:</i> Contains correspondence and press releases re the P-21A probe of the earth's ionosphere.		
SPFL-43-B107-F13 6291	<b>File - PAC-1</b>	1969 - 1970	Location: Box 107
	<i>Scope and content:</i> News clipping and press release re the Orbiting Solar Observatory (OSO) 6 satellite's Packaged Attitude Control (PAC) system.		
SPFL-43-B107-F14 6292	<b>File - Pacific-2 (See Intelsat II-D) Also</b>	1967	Location: Box 107
	<i>Scope and content:</i> Miscellaneous news clippings and photo re the launch of the Intelsat 2 communications satellite, also known as the Pacific 2 satellite.		
SPFL-43-B107-F15 6293	<b>File - Passive Geodetic Satellite (PAGEOS)</b>	1964 - 1978	Location: Box 107
	<i>Scope and content:</i> Contains news clippings and press releases re the Passive Geodetic Satellite (PAGEOS); use of PAGEOS for mapping the earth; study of the effects of pollution on the earth environment; and PAGEOS procurement. Includes correspondence re the cancellation of a second PAGEOS, naming of PAGEOS, and project support. Also includes PAGEOS press kit; and photos re the PAGEOS satellite.		
SPFL-43-B107-F16 6294	<b>File - PEACESAT</b>	1973 - 1991	Location: Box 107
	<i>Scope and content:</i> Contains news clippings re the Pan-Pacific Educational and Communication Experiments by Satellite (PEACESAT) use of the ATS 1 satellite; and a peace-keeping satellite system to monitor military activities and enforce peace treaties. Includes correspondence re the use of satellites to encourage world peace.		
SPFL-43-B107-F17 11134	<b>File - Orbiting Solar Laboratory (OSL)</b>	1977 - 1991	Location: Box 107
	<i>Scope and content:</i> Contains photos and NASA publications re Orbiting Solar Laboratory (OSL).		
SPFL-43-B107-F18 11135	<b>File - Orion 3 Satellite</b>	1998 - 1999	Location: Box 107
	<i>Scope and content:</i> Contains news articles and press releases re Orion 3 satellite and launch; failure to achieve final orbit due failed reignition of Delta 3 launch vehicle; and possible rescue by Space Shuttle.		
SPFL-43-B108-F1 6295	<b>File - XII-Satellite Pegasus</b>	1962 - 1979	Location: Box 108

	<p><i>Scope and content:</i></p> <p>Miscellaneous press releases and news clippings re the Pegasus satellites used for meteoroid detection; design of spacecraft shielding systems; termination of the Pegasus satellites; and project procurement. Includes correspondence re inclusion of an inspection of Pegasus panels in the Gemini Program; naming of Pegasus and debate over its designation as an Explorer after launch; technical review of the Pegasus project; support from the Marshall Space Flight Center (MSFC); and FY1965 funding. Also includes papers and reports re Gemini rendezvous with Pegasus; and paper by Robert J. Naumann: "Pegasus Satellite Measurements of Meteoroid Penetration". Includes photos and illustrations re the Pegasus satellites.</p>		
SPFL-43-B108-F2 6296	<b>File - Satellites: Pegasus I</b>	1963 - 1978	Location: Box 108
	<p><i>Scope and content:</i></p> <p>Contains press releases and news clippings re the reentry of the Pegasus 1 satellite to the earth's atmosphere; detection of meteoroid hazards; Pegasus satellite design; shut-down of the Pegasus satellites; follow-on missions; procurement; early results; the expansion of Pegasus's wings; and the naming of Pegasus. Includes Pegasus 1 press kit; and NASA Facts educational services publication re Pegasus satellites. Also includes photos re the deployment of Pegasus 1 in space, and the Pegasus 1 launch.</p>		
SPFL-43-B108-F3 6297	<b>File - Meteoroid Hazard Review</b>	1963	Location: Box 108
	<p><i>Scope and content:</i></p> <p>Compilation of papers from the NASA "Meteoroid Hazard Review and Planning Meeting" re flight experiments for determining meteoroid hazards, meteoroid shielding investigations, and plan for future meteoroid technology programs.</p>		
SPFL-43-B108-F4 6298	<b>File - Satellites: Pegasus II</b>	1965 - 1979	Location: Box 108
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Pegasus 2 meteoroid detection satellite; reentry into the earth's atmosphere; danger to spacecraft from meteoroid impact; shut-down of the Pegasus satellites; Pegasus satellite design; and Pegasus 2 launch. Includes press kit; and photos re the Pegasus 2 launch and deployment of the meteoroid detector wings.</p>		
SPFL-43-B108-F5 6299	<b>File - Satellites: Pegasus III</b>	1963 - 1969	Location: Box 108
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Pegasus 3 meteoroid detection satellite reentry into the earth's atmosphere; Saturn 1 launch vehicle; Pegasus satellite design; Pegasus 3 launch; shut-down of the Pegasus satellites; and Pegasus 3 detachable meteoroid detection panels. Includes press kit; transcript of a press conference re the Pegasus 3 detachable panels; and photos and illustrations re the Pegasus 3 launch and Saturn 1 launch vehicle. Also contains correspondence re payload and experiments for SA-10 (Pegasus 3) flight.</p>		
SPFL-43-B108-F6 6300	<b>File - Pegasus Management</b>	1964 - 1965	Location: Box 108
	<p><i>Scope and content:</i></p> <p>Miscellaneous correspondence re the management of the Pegasus project; Pegasus 2 launch readiness review and spacecraft quality control; naming of the Pegasus satellites and their possible redesignation as Explorer Satellites; Marshall Space Flight Center (MSFC) management of the Pegasus project.</p>		
SPFL-43-B109-F1 6301	<b>File - Pegasus-1 (4/90)</b>	1989 - 1992	Location: Box 109
	<p><i>Scope and content:</i></p>		

	Contains news clippings and press releases re the launch of the Pegasus satellite as part of the Combined Release and Radiation Effects Satellite (CRRES) project, and the test of the Pegasus launch vehicle air-to-space launch system.
SPFL-43-B109-F2 6302	<b>File - Percheron GE Multispec Camera</b> 1967 Location: Box 109  <i>Scope and content:</i> Miscellaneous correspondence re the General Electric (GE) Corporation proposal and costs for the Project Percheron camera system.
SPFL-43-B109-F3 6303	<b>File - Plasma Diagnostic Package (PDP) (STS-51f-8/85)</b> 1985 Location: Box 109  <i>Scope and content:</i> Miscellaneous news clippings re the launch of the Plasma Diagnostic Package (PDP) satellite by Space Shuttle STS 51F, and the study of the effects of the ionosphere on Space Shuttle communications.
SPFL-43-B109-F4 6304	<b>File - Pilgrim Satellite (Harvard U.)</b> 1967 Location: Box 109  <i>Scope and content:</i> Contains correspondence re the cancellation of Harvard University's Pilgrim Satellite, and the Pilgrim Satellite procurement plan. Includes photos re Pilgrim satellite model.
SPFL-43-B109-F5 6305	<b>File - Rm Radiation-Meteoroid Sat.</b> 1969 - 1971 Location: Box 109  <i>Scope and content:</i> Miscellaneous news clippings, press releases, and correspondence re the Radiation Meteoroid Satellite (RMS) launched with the Orbiting Frog Otolith (OFO) Experiment. Includes reports re RMS project organization, investigations and implementation, and flight operations. Also includes RMS post-launch Mission Operation Report (MOR); RMS press kit; and photos re RMS satellite and design.
SPFL-43-B109-F6 6306	<b>File - XII-Sats: Radio Astronomy Observatory (RAO)</b> 1964 - 1967 Location: Box 109  <i>Scope and content:</i> Miscellaneous news clippings and press releases re the Radio Astronomy Explorer (RAE) satellite and its antenna system. Includes an illustration re the RAE satellite and orbital path.
SPFL-43-B109-F7 6307	<b>File - RCA-1 1975-117a Dec 12, 1975</b> 1974 - 1982 Location: Box 109  <i>Scope and content:</i> Contains news clippings and press releases re the RCA-SATCOM 1 communications satellite; television and telephone transmissions; launch; and procurement. Includes RCA-SATCOM 1 press kit; and photos re the RCA-SATCOM 1 Satellite.
SPFL-43-B109-F8 6308	<b>File - RCA-II March 26, 1976 1976-29a</b> 1976 - 1979 Location: Box 109  <i>Scope and content:</i> Miscellaneous news clippings and press releases re the RCA-SATCOM 2 Satellite, and RCA-SATCOM 2 disruption of the satellite communications network. Includes press kit; and photos and illustrations re the RCA-SATCOM 2 satellite.
SPFL-43-B109-F9 6309	<b>File - RCA SATCOM-3 (1979, Dec. 6)</b> 1977 - 1981 Location: Box 109  <i>Scope and content:</i>

	Contains news clippings and press releases re the disappearance of the RCA-SATCOM 3 Satellite. Also includes correspondence re the launch services agreement signed between RCA Corporation and NASA; and transcript of a poem read on the CBS Evening News re the RCA-SATCOM 3 disappearance. Also includes photos re the RCA-SATCOM 3 satellite and launch configuration.		
SPFL-43-B109-F10 6310	<b>File - RCA SATCOM 3 R (19 Nov. 1981)</b>	1978 - 1982	Location: Box 109
	<i>Scope and content:</i> Contains news clippings re the launch of the RCA-SATCOM 3R satellite as a replacement for the disappeared RCA-SATCOM 3. Includes correspondence re the possible use of the Space Shuttle to launch RCA Corporation satellites; RCA-SATCOM 3R press kit; and photos re the RCA-SATCOM 3R launch and pre-launch check-out.		
SPFL-43-B109-F11 9677	<b>File - Polar Satellite</b>	1987 - ?	Location: Box 109
	<i>Scope and content:</i> Contains news clippings and press releases re delays and costs for the Polar satellite; testing of the Polar satellite; Goddard Space Flight Center (GSFC) request for proposal (RFP) for launch services for the International Solar Terrestrial Physics Project satellites; and transfer of polar orbiting platform management from Office of Space Flight (OSF) to Office of Space Science and Applications (OSSA). Includes press kit re Polar Satellite mission. Includes artist's conception of Polar Satellite.		
SPFL-43-B109-F12 17912	<b>File - QuikSCAT (Quick Scatterometer) Satellite (1997-</b>	1997 - ?	Location: Box 109
	<i>Scope and content:</i> Contains news clippings and press releases re development and launch of QuikSCAT satellite with SeaWinds instrument to study ocean winds, El Nino, and global weather patterns; use of QuikSCAT data by various national weather services around the globe; and shutdown of QuikSCAT satellite following antenna failure. Includes Quick Scatterometer Launch press kit.		
SPFL-43-B109-F13 17914	<b>File - QuikTOMS Or Quick Total Ozone Mapping Spectrometer (TOMS) Satellite (1999-</b>	1999 - ?	Location: Box 109
	<i>Scope and content:</i> Contains news clippings and press releases re failed launch of QuikTOMS or Quick Total Ozone Mapping Spectrometer (TOMS) Satellite to measure Earth atmospheric ozone.		
SPFL-43-B109-F14 18092	<b>File - Quickbird Satellites</b>	1999 - ?	Location: Box 109
	<i>Scope and content:</i> Contains news clippings and press releases re failure of Quickbird 1 commercial imaging satellite and successful launch of Quickbird 2.		
SPFL-43-B110-F1 6317	<b>File - RCA SATCOM 4 (16 January 1982)</b>	1981 - 1982	Location: Box 110
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the RCA-SATCOM 4 communications satellite; NASA launch scheduling; and the invalidation by the Federal Communications Commission (FCC) of the auctioning by the RCA Corporation of satellite channel leases. Includes RCA-SATCOM 4 press kit; and an excerpt from "Agenda for Progress, Examining Federal Spending". Also includes photos re the RCA-SATCOM 4 satellite, launch, and spacecraft testing.		
SPFL-43-B110-F2 6318	<b>File - RCA-SATCOM 5 (E) Oct. 27, 1982</b>	1980 - 1982	Location: Box 110
	<i>Scope and content:</i>		

	Contains news clippings and press releases re the RCA-SATCOM 5 communications satellite; procurement; double capacity of the Advanced RCA-SATCOM satellites; and television coverage of the US Senate. Includes photos re the RCA-SATCOM 5 launch and pre-launch check-out.		
SPFL-43-B110-F3 6319	<b>File - RCA SATCOM 2R(7) 1983-94a Sept. 8, 1983</b>	1983 - 2008	Location: Box 110
	<i>Scope and content:</i> Contains press releases re the use of RCA-SATCOM Satellites to carry NASA Select television broadcasts; and news clippings, and photos re the RCA-SATCOM 7 communications satellite.		
SPFL-43-B110-F4 6320	<b>File - RCA SATCOM 1 R (F) 6</b>	1983 - 1994	Location: Box 110
	<i>Scope and content:</i> Contains news clippings and press releases re the use of RCA-SATCOM satellites for NASA-Select television broadcasts, and the launch of the RCA-SATCOM 6 satellite. Includes RCA-SATCOM 6 press kit; and photos re the launch and pre-launch check-out of RCA-SATCOM 6.		
SPFL-43-B110-F5 6321	<b>File - RCA-K-2</b>	1982 - 1985	Location: Box 110
	<i>Scope and content:</i> Miscellaneous news clippings re the launch of the RCA-SATCOM K2 communications satellite by Space Shuttle flight STS 61B; RCA-SATCOM spacecraft and operations; and RCA-SATCOM K2 status reports. Includes photos re the launch of RCA-SATCOM K2 and loading into the STS 61B payload canister.		
SPFL-43-B110-F6 6322	<b>File - RCA-K-1</b>	1982 - 1986	Location: Box 110
	<i>Scope and content:</i> Miscellaneous news clippings re the launch of the RCA-SATCOM K1 communications satellite by Space Shuttle STS 61C, and satellite testing and status. Includes photos re the launch of RCA-SATCOM K2.		
SPFL-43-B110-F7 6323	<b>File - Satellites Rebound</b>	1961 - 1962	Location: Box 110
	<i>Scope and content:</i> Contains news clippings and press releases re the Project Rebound passive communications satellite network, and the award of a Project Rebound study contract. Also includes correspondence re cancellation of Project Rebound.		
SPFL-43-B110-F8 6324	<b>File - Relay General &amp; Documentation</b>	1961 - 1968	Location: Box 110
	<i>Scope and content:</i> Contains news clippings and correspondence re the Relay satellites project; construction of Relay satellites by RCA Corporation; loan of a Relay satellite beacon to the COMSAT Corporation; use of Relay satellites for satellite tests; radiation experiments; communications between the US and Japan and the US and Spain using Relay satellites; termination of efforts on a third Relay satellite; Relay project final report; launch schedules; and frequency allocation. Includes transcript of a press conference re experimental communications satellite systems; map of Relay satellite orbits; report re specifications and requirements for a low-altitude communications satellite; and brochures re the Relay satellite project. Also includes photos re Relay satellites; launch; home reception of the first trans-Pacific television broadcast; and ground stations. Includes a chart re a comparison of Relay, Telstar, and Syncom satellites.		
SPFL-43-B110-F9 6325	<b>File - Relay 1</b>	1962 - 1972	Location: Box 110
	<i>Scope and content:</i>		

	Contains press releases and news clippings re the Relay 1 communications satellite; ground station operations; television broadcasts from the US to Japan and Europe; broadcast to Europe of the Mercury MA9 launch; transmittal of an electroencephalograph from the US to England; and problems with the Relay 1 power system. Includes testimony of Robert E. Warren before the Senate Subcommittee on Communications re the Relay 1 launch and operations; and Relay 1 progress reports. Also contains correspondence re use of Relay 1 by the Department of Defense (DoD); and the first anniversary of the Relay 1 satellite.		
SPFL-43-B110-F10 6326	<b>File - Relay 1 Warren Schreiner Report</b>	1963	Location: Box 110
	<i>Scope and content:</i> Report by Warren A. Schreiner re the Relay 1 communications satellite systems, ground stations, and operations. Includes photos and illustrations accompanying the report re Relay 1 commands; telemetry measurements, encoder, and commands; component weights; satellite; wide band receiver and antenna; traveling wave tube and power supply; command receiver; and narrow band antenna feed circuitry.		
SPFL-43-B110-F11 6327	<b>File - Relay 2</b>	1964 - 1965	Location: Box 110
	<i>Scope and content:</i> Miscellaneous press releases and news clippings re the Relay 2 communications satellite; broadcast of the Cassius Clay-Sonny Liston boxing match via Relay 2 to Europe; end of Relay 2 operations; Relay 2 launch; power system problems; Spanish newspaper accounts of communications between the US and Spain via Relay 2; television transmissions between the US and Japan; and broadcast of US political conventions to Europe. Includes correspondence re Relay 2 spacecraft testing and demonstrations. Also includes photos re the Relay 2 satellite; launch; and NASA Administrator James Webb with the Spanish Ambassador to the US during the inaugural call using Relay 2.		
SPFL-43-B110-F12 11290	<b>File - RCA-K3 - SATCOM C4</b>	1982 - 1992	Location: Box 110
	<i>Scope and content:</i> Contains news articles and press releases re RCA and Satcom communications satellites from RCA-K3 through Satcom C4.		
SPFL-43-B111-F1 6328	<b>File - ROSAT (US/Germany/UK) Delta II</b>	1987 - ?	Location: Box 111
	<i>Scope and content:</i> Contains news clippings and press releases re Roentgen Satellite (ROSAT) X-ray astronomy investigations; study of "dark matter"; evidence against the infinite expansion of the universe; cooperation between the US, Germany, and the United Kingdom (UK); discovery of a quasar cluster; ROSAT launch; ROSAT mission planning; and shutdown of ROSAT. Includes research announcements for guest observers on ROSAT. Also contains photos taken by ROSAT re cosmic X-ray sources; and photos re ROSAT launch, Delta launch vehicle; and pre-launch check-out.		
SPFL-43-B111-F2 6333	<b>File - SAGE 1979 Feb 18 (WFC) 13a (AEM-B)</b>	1975 - 2002	Location: Box 111
	<i>Scope and content:</i> Contains news clippings and press releases re the Stratospheric Aerosol and Gas Experiment (SAGE) Satellite, also known as the Applications Explorer Mission (AEM) B; shut down of the SAGE satellite; study of volcanic aerosol emissions; and launch of SAGE. Includes brochure and press kit. Also includes photos and illustrations re the SAGE spacecraft, pre-launch check-out, and Wallops Island facilities; and SAGE mission patch.		
SPFL-43-B111-F3 6334	<b>File - Satellites: San Marco Project</b>	1961 - 1987	Location: Box 111
	<i>Scope and content:</i>		

	Contains news clippings and press releases re US and Italian cooperation on Project San Marco; San Marco satellite launches; sounding rocket tests of San Marco instrumentation; air density studies; and Italian newspaper accounts of Project San Marco. Includes correspondence re NASA procurement and establishment of a trust fund for Project San Marco; use of NASA facilities; FY1966 funding; NASA training of Italian engineers for San Marco; and San Marco investigations. Also includes a "History of San Marco" by Anthony J. Caporale; San Marco press kit; Memorandum of Understanding; San Marco Range User's Manual; and United Nations (UN) Conference on Exploration and the Peaceful Uses of Outer Space paper: "The San Marco Project, a Program of International Cooperation". Includes photos re San Marco satellites and launches.		
SPFL-43-B111-F4 6336	<b>File - San Marco II</b>	1967	Location: Box 111
	<i>Scope and content:</i> Miscellaneous news clippings and press releases, including from Italian and Kenyan newspapers, re the launch of the San Marco 2 air density satellite from the San Marco Platform, Kenya. Includes San Marco 2 press kit; and photos re the San Marco 2 launch, launch crew, and spacecraft check-out.		
SPFL-43-B112-F1 6337	<b>File - San Marco (C) III</b>	1970 - 1971	Location: Box 112
	<i>Scope and content:</i> Contains news clippings and press releases re the launch of the San Marco 3 satellite, and US and Italian cooperation on Project San Marco. Includes San Marco 3 Mission Operation Reports (MOR) and press kit; and photo re pre-launch check-out of the San marco 3 satellite.		
SPFL-43-B112-F2 6338	<b>File - (San Marco C-2) San Marco 4</b>	1974 - 1976	Location: Box 112
	<i>Scope and content:</i> Contains news clippings and press releases re the San Marco 4 satellite.		
SPFL-43-B112-F3 6339	<b>File - San Marco-D (Us-Italy) 1988-26a March 25</b>	1976 - 1988	Location: Box 112
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the San Marco D/L satellite; San Marco Launch Platform, Kenya; study of the lower atmosphere; San Marco D/L launch schedule; and Project San Marco planning.		
SPFL-43-B112-F4 6340	<b>File - Satellite Business Systems-C Nov 11, 1982 (STS-5) 1st Comm. Launch</b>	1977 - 1990	Location: Box 112
	<i>Scope and content:</i> Contains press releases and news clippings re the Satellite Business Systems (SBS) domestic, commercial communications satellite system; launch of the SBS 3 and Anik C-3 satellites by Space Shuttle STS 5; first commercial satellite launch by the Space Shuttle; and STS 5 launch and payload manifest. Includes photos re the launch of SBS 3, STS 5 payload canister, and STS 5 crew.		
SPFL-43-B112-F5 6341	<b>File - Satellite Business System (SBS I)</b>	1977 - 1981	Location: Box 112
	<i>Scope and content:</i> Contains news clippings and press releases re the Satellite Business Systems (SBS) 1 communications satellite; contract incentive payments to Hughes Aircraft Company; SBS 1 launch; domestic communications services; SBS 1 operations; transfer of control of SBS 1 to SBS from COMSAT Launch Control Center; and the Payload Assist Module (PAM) to boost satellites from the Space Shuttle or Delta launch vehicles. Includes SBS 1 press kit; and photos re the SBS 1 satellite and launch by the Delta launch vehicle.		

SPFL-43-B112-F6 6343	<b>File - Satellite Business System (SBS-2)</b>	1977 - 1981	Location: Box 112
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Satellite Business Systems (SBS) 2 satellite and launch; Payload Assist Module (PAM); and the effects of the launch on COMSAT Corporation's profitability. Includes photos re the SBS 2 satellite.</p>			
SPFL-43-B112-F7 6344	<b>File - SBS-4 STS 41d</b>	1983 - 1984	Location: Box 112
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Satellite Business Systems (SBS) 4 satellite, launch from Space Shuttle STS 41D, and STS 41D launch preparations and scheduling.</p>			
SPFL-43-B112-F8 6345	<b>File - Satellite Repair Satellite (SRS)</b>	1968 - 1969	Location: Box 112
<p><i>Scope and content:</i></p> <p>News clipping re the development of a Satellite Repair Satellite; and paper by M.H. Skeer: "Potential Satellite Servicing Operations and the Impact of Servicing on Satellite Design".</p>			
SPFL-43-B112-F9 6346	<b>File - SCATHA NASA/USAF 1979 Jan 30 79-07a</b>	1974 - 1980	Location: Box 112
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the joint NASA and US Air Force (USAF) Spacecraft Charging at High Altitudes (SCATHA) satellite and the mapping of earth's magnetic field. Includes SCATHA press kit; and photos re the SCATHA satellite and launch.</p>			
SPFL-43-B112-F10 6347	<b>File - Sats: Project Searcher</b>	1964	Location: Box 112
<p><i>Scope and content:</i></p> <p>News clipping re funding for a student built satellite known as Project Searcher.</p>			
SPFL-43-B112-F11 6348	<b>File - Search &amp; Rescue</b>	1967 - ?	Location: Box 112
<p><i>Scope and content:</i></p> <p>Contains news clippings, press releases, and correspondence re the Search and Rescue Satellite (SARSAT) system; search for missing sailor Mike Plant and his failure to register his locator beacon; international cooperation on a global SARSAT system; SARSAT equipment on National Oceanic and Atmospheric Administration (NOAA) satellites; Morse Code communications; tracking of lost aircraft; cooperation with the Department of Transportation (DOT), Department of Defense (DoD), Department of Commerce, and the Federal Communications Commission (FCC). Includes brochure re the US and Soviet Union (USSR) COSPAS-SARSAT system; and a transcript of a press conference re FY1978 new start of SARSAT. Also includes illustrations re the SARSAT system, spacecraft, and data handling capabilities.</p>			
SPFL-43-B112-F12 6349	<b>File - SAS-D (IV)</b>	1969 - 1972	Location: Box 112
<p><i>Scope and content:</i></p> <p>Contains news clippings and correspondence re the re-naming of the International Ultraviolet Explorer (IUE) satellite as Small Astronomy Satellite (SAS) D; and the SAS program. Includes photo re the SAS D.</p>			
SPFL-43-B112-F13 11260	<b>File - Small Expendable-Tether Deployer System (SEDS) 1 &amp; 2</b>	1993 - 1994	Location: Box 112
<p><i>Scope and content:</i></p>			

	Contains news clippings and press releases re NASA's Small Expendable-Tether Deployer System (SEDS) electrical experiment satellites, and longest object launched in space. Also includes photos re SEDS satellite testing and prelaunch preparations.		
SPFL-43-B113-F1 6353	<b>File - SEASAT-1 (Press Kit)</b>	1978	Location: Box 113
	<i>Scope and content:</i> Press kit re the SEASAT satellite mission description; science rationale; spacecraft; payload; data collection and processing; launch vehicle system; and experiment, mission, and contractor teams.		
SPFL-43-B113-F2 6356	<b>File - SEASAT Reports And Brochures</b>	1974 - 1980	Location: Box 113
	<i>Scope and content:</i> Jet Propulsion Laboratory (JPL) publication: "Seasat Views North America, the Caribbean, and Western Europe"; and NASA Technical Memorandum TMX29589: "Seasat Global Ocean Monitoring System". Includes NASA report: "SEASAT-A Scientific Contributions"; "Report of the Seasat Failure Review Board"; and JPL brochure re SEASAT oceanography investigations.		
SPFL-43-B113-F3 15153	<b>File - SEASAT (1974-76)</b>	1974 - 1976	Location: Box 113
	<i>Scope and content:</i> Miscellaneous correspondence re SEASAT satellite program; use of SEASAT for oceanographic and meteorological research; scientific satellites; earth resources survey (ERS) program; earth observing system (EOS); SEASAT cost-benefit analysis; SEASAT NASA budget for FY1975-78; ocean dynamics advisory subcommittee (ODAS); proposed SEASAT-A orbit change; remote sensing of oceans; interest of European Space Agency (ESA) in SEASAT remote sensing capability; NASA interest in NAVSTAR global positioning system (GPS); proposed use of GPS in SEASAT program; proposed Department of Defense (DoD) use of SEASAT data; NASA - US Navy agreement to cooperate on real-time user data demonstration for SEASAT-A mission; and geodynamics experimental ocean satellite (GEOS) data.		
SPFL-43-B113-F4 15154	<b>File - SEASAT 1977-</b>	1977 - 1999	Location: Box 113
	<i>Scope and content:</i> Contains correspondence re SEASAT satellite program; use of SEASAT for oceanographic and meteorological research; scientific satellites; Department of Defense (DoD) participation in SEASAT-A mission; proposed SEASAT-B follow-on mission; SEASAT NASA budget for FY1979; agreements with NASA and Canada, National Oceanic and Atmospheric Administration (NOAA), US Navy, and European Space Agency (ESA) for access to SEASAT data; and SEASAT remote sensing capabilities. Includes Congressional testimony by NASA associate administrator for applications, Bradford Johnston, before House Subcommittee on Space Science and Applications re ocean monitoring and forecasting capabilities of SEASAT. Also contains photos re SEASAT launch preparations and launch.		
SPFL-43-B114-F1 6342	<b>File - Sea-Viewing Wide Field-Of-View Sensor (SeaWiFS)</b>	1997 - 2004	Location: Box 114
	<i>Scope and content:</i> Contains news articles and press releases re Sea-viewing Wide Field-of-view Sensor (SeaWiFS) and SeaWinds sensor and oceanography; hurricanes; meteorology; and ice sheets.		
SPFL-43-B114-F2 6352	<b>File - SEASAT 1 Pre Launch</b>	1973 - 1978	Location: Box 114
	<i>Scope and content:</i> Miscellaneous news clippings, press releases, and correspondence re the termination of SEASAT satellite operations; SEASAT launch; monitoring of ocean surface winds, temperatures, currents, wave heights, ice conditions, topography, and coastal storm activity; applications of SEASAT data to commercial fishermen; spacecraft testing; SEASAT follow-on; SEASAT costs; procurement; FY1975 NASA		

	budget; and SEASAT mission definition. Includes correspondence re launch vehicle planning and costs; economic benefits; establishment of foreign tracking stations; Scanning Multichannel Microwave Radiometer (SMMR); payload selection; General Accounting Office (GAO) review of the SEASAT project; reliability assurance plan; spacecraft contamination control; support costs; Memorandum of Understanding (MOU) between NASA and the National Oceanic and Atmospheric Administration (NOAA); imaging radar system; procurement plan; cost overruns and possible removal of the Synthetic Aperture Radar (SAR); decision not to include the Global Positioning System (GPS) on SEASAT; FY1978 new start priorities; and Canadian participation in SEASAT. Includes reports re SEASAT launch vehicle assessment and SEASAT mission objectives achievability. Also includes House Subcommittee on Space Science and Applications report: "SEASAT Cost, Performance, and Schedule Review"; "Seasat Log" newsletter re the end of the SEASAT project and its accomplishments; and paper by John W. Sherman and Leroy Cheney for the United Nations (UN) Committee on the Exploration and Peaceful Uses of Outer Space: "Spacecraft Oceanography, its Scientific and Economic Implications for the Next Decade". Includes photos taken by the SEASAT satellite; and illustrations re the SEASAT spacecraft.		
SPFL-43-B114-F3 6355	<b>File - SEASAT 1 Post Launch</b>	1977 - 1997	Location: Box 114
	<i>Scope and content:</i> Contains press releases and news clippings re the SEASAT Satellite oceanography and meteorology studies; remote sensing of the oceans; radar studies of ocean topography and the ocean floor; use of the SEASAT Synthetic Aperture Radar (SAR) to spot submarines; measurement of surface winds; cancellation of the National Oceanic Satellite System (NOSS); loss of contact with SEASAT and the establishment of a failure review board; and use of SEASAT to detect hurricane activity. Includes correspondence re the SEASAT Investigation Board report; termination of SEASAT flight operations; and SEASAT cost estimates. Also includes photos by SEASAT re thematic mapping, sea floor geology, and sea surface temperatures; photo re SEASAT launch; and illustration re the SEASAT mission.		
SPFL-43-B114-F4 11446	<b>File - SEDSAT 1</b>	1998	Location: Box 114
	<i>Scope and content:</i> Contains news articles re SEDSAT 1 satellite. Also includes photos re SEDSAT 1 satellite.		
SPFL-43-B114-F5 11688	<b>File - Spitzer Space Telescope (SIRTF) 1992-</b>	1992 - ?	Location: Box 114
	<i>Scope and content:</i> Contains news articles and press releases re Spitzer Space Telescope, formerly the Space Infrared Telescope Facility (SIRTF), and naming contest; infrared astronomy; discoveries of extrasolar planets; discovery of additional ring around Saturn; supernovas; nebulas; NASA Great Observatories Program; launch of Spitzer aboard Delta 2 launch vehicle; and construction of Spitzer. Includes brochures re Spitzer. Also contains artists' conceptions re Spitzer.		
SPFL-43-B115-F1 6357	<b>File - Spitzer (SIRTF) 1978-1991</b>	1974 - 1991	Location: Box 115
	<i>Scope and content:</i> Contains news clippings and press releases re the Space Infrared Telescope Facility (SIRTF); NASA astronomy projects priorities; design studies; Gamma Ray Observatory (GRO), Advanced XRay Astrophysics Facility (AXAF), SIRTF, and Hubble Space Telescope (HST) observatories; SIRTF costs; infrared astronomy and space exploration; use of SIRTF with the Space Shuttle; and instrument definition. Includes brochure re infrared astronomy; and paper: "SIRTF-The Step Beyond IRAS". Contains illustrations re the SIRTF spacecraft. Also includes correspondence re SIRTF design; scientific observations; costs; Science Working Group (SWG); change of SIRTF launch vehicle from Space Shuttle to an expendable launch vehicle (ELV); and international cooperation.		
SPFL-43-B115-F2 11862	<b>File - Spitzer (SIRTF) Reports And Presentations (1 Of 2)</b>	1984 - 1989	Location: Box 115
	<i>Scope and content:</i>		

	Contains reports and presentations re Spitzer Space Telescope, formerly known as the Space Infrared Telescope Facility (SIRTF), and Science Working Group; mission options; Spitzer project status and reviews; mission science; instruments; and alternative orbits.		
SPFL-43-B116-F1 6363	<b>File - SIRIO (Italian Satellite-1977, Aug. 25)</b>	1970 - 1983	Location: Box 116
	<i>Scope and content:</i> Contains news clippings and press releases re the Italian SIRIO communications satellite; launch of SIRIO by NASA; and Memorandum of Understanding (MOU) signed between NASA and the Italian National Research Commission. Includes SIRIO press kit.		
SPFL-43-B116-F2 6364	<b>File - Small Observation Satellites</b>	1967 - 1969	Location: Box 116
	<i>Scope and content:</i> Miscellaneous news clippings re the small Orbiting Astronomical Explorer (OAE); and article by Merton E. Davies: "Big Potential for Small Observation Satellites".		
SPFL-43-B116-F3 6365	<b>File - Skynet I (Great Britain)</b>	1969 - 1998	Location: Box 116
	<i>Scope and content:</i> Contains news clippings and press releases re the launch of the Skynet 1 communications satellite for the United Kingdom (UK) by NASA; Skynet transponders; use of Skynet by the British military; comparison of Skynet 1 with next generation UK defense communications satellites; decision by UK government to continue Skynet system; and the resumption of Delta launch vehicle launches. Includes Skynet 1 press kit; and photos re the Skynet 1 launch.		
SPFL-43-B116-F4 6366	<b>File - Skynet II (Great Britain)</b>	1970 - 1977	Location: Box 116
	<i>Scope and content:</i> Miscellaneous news clippings re the use of Skynet communications satellites in the Defense Satellite Communications System (DSCS); and launch of Skynet 2 for the United Kingdom (UK) by NASA. Includes photos re the Skynet 2 satellite and launch.		
SPFL-43-B116-F5 6367	<b>File - Skynet II-A 1974, January 18 Failed To Orbit Successfully</b>	1970 - 1974	Location: Box 116
	<i>Scope and content:</i> Contains news clippings and press releases re the failure of the Skynet 2A satellite to orbit properly, and investigation into the Delta launch vehicle failure. Includes photo re the Skynet 2A launch.		
SPFL-43-B116-F6 6368	<b>File - Skynet II-B 22 Nov, 1974</b>	1970 - 1975	Location: Box 116
	<i>Scope and content:</i> Contains news clippings and correspondence re the launch of the Skynet 2B communications satellite for the United Kingdom (UK) by NASA. Includes Skynet 2B press kit; and photo re the Skynet 2B satellite.		
SPFL-43-B116-F7 6369	<b>File - Skynet IV And Following</b>	1974 - 2010	Location: Box 116
	<i>Scope and content:</i> Contains news clippings re the United Kingdom's (UK) Skynet military communications satellites; and the launch of Skynet 4 by the Ariane launch vehicle instead of by the Space Shuttle.		
SPFL-43-B116-F8 6370	<b>File - Small Applications Technology Satellite</b>	1970 - 1972	Location: Box 116
	<i>Scope and content:</i>		

	Miscellaneous news clippings and correspondence re the NASA FY1973 proposed new start for a Small Applications Technology Satellite.		
SPFL-43-B116-F9 11863	<b>File - Spitzer (SIRTF) Reports And Presentations (2 Of 2)</b>  <i>Scope and content:</i> Contains reports and presentations re Spitzer Space Telescope, formerly known as the Space Infrared Telescope Facility (SIRTF), and program reviews; and satellite design. Includes study re possible common space telescope design for Advanced X-Ray Astrophysics Facility (AXAF), later renamed the Chandra X-Ray Observatory, and Spitzer.	1986 - 1989	Location: Box 116
SPFL-43-B117-F1 6371	<b>File - Satellites Snapshot</b>  <i>Scope and content:</i> Contains news clippings and press releases re the failure of the Systems For Nuclear Auxiliary Power (SNAP) generator on the Snapshot satellite. Includes a report re the Atomic Energy Commission's (AEC) Snapshot program. Also contains correspondence re approval of Snapshot satellite flight.	1965 - 1966	Location: Box 117
SPFL-43-B117-F2 6390	<b>File - Small Satellites</b>  <i>Scope and content:</i> Contains news clippings re the development and costs of small satellites; Small-Class Explorer satellites; and an illustration re small satellite design.	1992 - ?	Location: Box 117
SPFL-43-B117-F3 6391	<b>File - Solar Maximum Mission (SMM) Photos 14 Feb. 1980</b>  <i>Scope and content:</i> Miscellaneous photos taken by the Solar Maximum Mission (Solar Max) re the solar corona and solar flares. Includes pictures and illustrations re astronaut George Nelson practicing techniques for the repair of the Solar Max; Solar Max vibration tests; Solar Max spacecraft; launch; projected solar flare observations; deployment and retrieval by the Space Shuttle; and Solar Max instruments.	1979 - 1984	Location: Box 117
SPFL-43-B117-F4 6392	<b>File - Solar Max Refurbishment 41-C (1984)</b>  <i>Scope and content:</i> Contains news clippings and press releases re the end of the Solar Maximum Mission (Solar Max) and its reentry into the earth's atmosphere; Solar Max falling orbit and decision not to attempt a second repair; affects of radiation from a Soviet Union (USSR) satellite on Solar Max operations; Solar Max telescope; observations of Comet Halley; damage from orbital debris; studies of the solar constant and the effects on the earth's climate; detection of solar flares; Space Shuttle satellite repair capabilities and their influence on satellite design; Solar Max "black box" attitude control system; Space Shuttle STS 41C repair of Solar Max; use of the Manned Maneuvering Unit (MMU) by astronaut by George Nelson and difficulties docking with Solar Max; extravehicular activity (EVA), or space walk by STS 41C astronauts Nelson and James van Hoften; training for Solar Max repair; approval for repair mission by House Committee on Science and Technology; and Department of Defense (DoD) funding for Solar Max repair. Includes correspondence re the use of the Space Shuttle for satellite repair missions; FY1982 and FY1983 funding for Solar Max repair; and Solar Max launch vehicle requirements. Also includes NASA Educational Publications EP205 and EP206 re the STS 41C Solar Max repair mission. Includes photos re STS 41C deployment of the repaired Solar Max, EVA by van Hoften and Nelson, and STS 41C crew.	1976 - 1989	Location: Box 117
SPFL-43-B117-F5 6395	<b>File - Solar Optical Telescope (SOT)</b>  <i>Scope and content:</i> Contains news clippings re the Solar Optical Telescope (SOT) mission and the study of the solar atmosphere, magnetic field, and activities; SOT budget; and SOT procurement. Includes correspondence	1983 - 1985	Location: Box 117

	re Solar Optical Telescope budget requests and project delays; and illustration re the Solar Optical Telescope.		
SPFL-43-B117-F6 12486	<b>File - Solar Dynamics Observatory (SDO)</b>	2001 - ?	Location: Box 117
	<i>Scope and content:</i> Contains news articles and press releases re Solar Dynamics Observatory (SDO) and selection of science instruments, construction of satellite; launch aboard Atlas 5 launch vehicle; and study of the sun.		
SPFL-43-B118-F1 6351	<b>File - Solar Power Satellite Documentation</b>	1969 - 1997	Location: Box 118
	<i>Scope and content:</i> Contains correspondence re NASA studies of Solar Power Satellite (SPS) system and development of a program plan by the NASA Office of Energy Programs (OEP); hearings and comments on the National Solar Power Satellite Program Act of 1978; cooperation between NASA, the Department of Energy (DoE), and the Energy Research and Development Administration (ERDA); economic justification for SPS; SPS technology requirements; effects of microwaves on the ionosphere; feasibility of SPS; and FY1977, FY1978, and FY1979 SPS budget estimates. Includes Congressional testimony of John C. Mankins re space solar power.		
SPFL-43-B118-F2 6393	<b>File - Solar Maximum Mission (Feb 14, '80)</b>	1959 - 1984	Location: Box 118
	<i>Scope and content:</i> Contains news clippings and press releases re the Solar Maximum Mission (Solar Max); study of solar flares and radiation, effects on earth's weather patterns; photography of solar phenomena; breakdown of the spacecraft attitude control system; Space Shuttle STS 41C repair of Solar Max; launch; power subsystem; procurement; costs; and design of satellites with in-orbit repair capacity. Includes correspondence re Solar Max budget requirements; investigation proposals; launch vehicle requirements; retrieval capability; use of a multimission modular spacecraft with Solar Max. Also includes Solar Max press kit; public affairs brochure: "Exploration of the Planets"; and NASA informational brochure: "Telescopes and Space Exploration". Also contains speech by Noel Hinners re Solar Max; and transcript re press briefing on Solar Max.		
SPFL-43-B119-F1 6350	<b>File - Solar-Power Satellite</b>	1961 - ?	Location: Box 119
	<i>Scope and content:</i> Contains news clippings re Solar Power Satellites (SPS) to convert solar energy to electricity, and transmit to earth in the form of microwaves; use of SPS to solve earth's energy resources and global warming problems; NASA and Department of Energy (DoE) cooperation on SPS; evaluation of SPS technology and design concepts; National Research Council recommendation against SPS; originator of the SPS concept, Peter Glaser; environmental impact of SPS; opposition to SPS; and costs of SPS. Includes excerpts from the Congressional Record re funding for SPS. Also includes testimony of Roll D. Ginter before the House Subcommittee on Space Science and Applications re FY1979 NASA budget request for energy research and development. Includes advertisement for novel "Sunstroke" by David Kagan re the dangers of an SPS system. Also includes illustrations re SPS design concepts and operations. Also contains scientific papers re SPS technology; and feasibility.		
SPFL-43-B119-F2 6361	<b>File - Solar Radiation And Climate Experiment (SORCE)</b>	2002 - 2004	Location: Box 119
	<i>Scope and content:</i> Contains news articles and press releases re Solar Radiation and Climate Experiment (SORCE) and launch; and study of the sun. Also includes NASA Publication (NP) NP-2002-9-482-GSFC "SORCE: Solar Radiation and Climate Experiment".		
SPFL-43-B119-F3 6362	<b>File - Spartan</b>	1985 - 1999	Location: Box 119

	<i>Scope and content:</i> Contains news articles and press releases re Spartan satellites and attempted deployment on STS-87; investigation board into Spartan mishap; redeployment on STS-95; solar exploration; and results of joint study of sun with Solar and Heliospheric Observatory (SOHO). Includes executive summary of NASA investigation board report on Spartan mishap. Contains correspondence re design of Spartan satellite. Also includes photos re the Spartan satellite lost during the Challenger accident.		
SPFL-43-B119-F4 6396	<b>File - Satellites: Solar Radiation Satellite (SOLRAD)</b>	1962 - 1970	Location: Box 119
	<i>Scope and content:</i> Contains news clippings and press releases re the Naval Research Laboratory's (NRL) Solar Radiation Satellite (SOLRAD); contribution to International Year of the Quiet Sun (IQSY) investigations; SOLRAD spacecraft technical description; and SOLRAD experiments. Includes correspondence re SOLRAD 10 experiments.		
SPFL-43-B119-F5 6397	<b>File - SOREL (Sun-Orbiting Relativity Experiment) To Be Launched In 1974</b>	1972 - 1973	Location: Box 119
	<i>Scope and content:</i> Contains news clippings and press releases re Project SOREL and other experiments using atomic clocks to test the theory of relativity. SOREL not launched.		
SPFL-43-B119-F6 6398	<b>File - South Atlantic Anomaly Probe</b>	1968	Location: Box 119
	<i>Scope and content:</i> News clipping and press release re the launch of the South Atlantic Anomaly Probe (SAAP) to study radiation belt hazards for the Apollo program. Also contains SAAP press kit.		
SPFL-43-B119-F7 6399	<b>File - Spacenet (GTE)</b>	1983 - 1994	Location: Box 119
	<i>Scope and content:</i> Contains news clippings and press releases re the launch of Spacenet communications satellites for long-distance telephone service. Includes photos and illustration re Spacenet satellites.		
SPFL-43-B119-F8 12149	<b>File - SOLRAD 11a &amp; B (NRL)</b>	1961 - 1979	Location: Box 119
	<i>Scope and content:</i> Miscellaneous news clippings, correspondence, brochure, press release, and photos re US Navy Solar Radiation Satellite (SOLRAD); SOLRAD 11A and 11B satellites; and investigation of solar activity.		
SPFL-43-B120-F1 6358	<b>File - Synthetic Aperture Radar (SAR)</b>	1988 - 2004	Location: Box 120
	<i>Scope and content:</i> Contains press releases and news clippings re the development of the Synthetic Aperture Radar (SAR) system for satellite mapping; the use of SAR to track Arctic ice-flow; use of SAR for earth resources studies; and discovery of archaeological sites. Includes INSAR radar summary report.		
SPFL-43-B120-F2 6400	<b>File - Spartan Flights</b>	1982 - 1997	Location: Box 120
	<i>Scope and content:</i> Contains news clippings and press releases re the Spartan retrievable scientific satellites; launch and retrieval of the Spartan solar exploration satellite by Space Shuttle STS 56; loss of the Spartan-Halley satellite in the Challenger accident; launch and retrieval of the Spartan 1 X-ray observatory by STS 51G; use of Spartan satellites in place of sounding rockets; Spartan launch and retrieval during STS 69; Spartan launch and retrieval during STS 77; Spartan launch and manual retrieval during STS-87; and		

	Space Shuttle mission schedules and crew selection. Includes STS 51L press kit; and brochure re Spartan satellites. Includes photos re the Spartan-Halley and Spartan 1 spacecraft; and Spartan 1 mission sticker.		
SPFL-43-B120-F3 6401	<b>File - SPHINX</b>	1971 - 1974	Location: Box 120
	<i>Scope and content:</i> Contains news clippings, press releases, and correspondence re the proof flight of failure of the Titan-Centaur proof flight carrying the Space Plasma High Voltage Interaction Experiment (SPHINX) satellite. Includes Titan-Centaur proof flight press kit.		
SPFL-43-B120-F4 6402	<b>File - Star Probe</b>	1982 - 1985	Location: Box 120
	<i>Scope and content:</i> Contains news clippings re the Starprobe solar exploration satellite. Includes illustrations re the Starprobe satellite.		
SPFL-43-B120-F5 6403	<b>File - StereoSat</b>	1978 - 1981	Location: Box 120
	<i>Scope and content:</i> Contains news clippings, press releases, and correspondence re development of a StereoSat satellite for earth resources observation; dropping of the StereoSat project by NASA; and possibility of a commercial stereoscopic data market.		
SPFL-43-B120-F6 6404	<b>File - StormSat</b>	1962 - 1976	Location: Box 120
	<i>Scope and content:</i> Miscellaneous news clippings re NASA planning for a Severe Storm Observing Satellite (StormSat).		
SPFL-43-B120-F7 6405	<b>File - SEOS (Synchronous Earth Obs. Sat.)</b>	1973 - 1975	Location: Box 120
	<i>Scope and content:</i> Miscellaneous news clippings re cost-benefit and telescope design studies for the Synchronous Earth Observation Satellite (SEOS). Includes testimony of Morris Tepper before the House Subcommittee on Space Science and Applications re SEOS design studies.		
SPFL-43-B120-F8 6406	<b>File - Sunflower (Cancelled)</b>	1960 - 1990	Location: Box 120
	<i>Scope and content:</i> Contains news clippings, press releases, and project reference sheets re the Sunflower solar auxiliary power system for spacecraft. Includes news clipping re the Sunflower solar powered spacecraft developed by Johns Hopkins University.		
SPFL-43-B120-F9 6407	<b>File - Symphonie II (France, ESRO)</b>	1974 - 1976	Location: Box 120
	<i>Scope and content:</i> Contains news clippings and press releases re the French and West German Symphonie 2 communications satellite; use of Symphonie 2 by the United Nations (UN) for Middle East peace keeping operations; launch of Symphonie 2 for the European Space Research Organization (ESRO) by NASA; and ESRO communications satellites. Includes photos re Symphonie 2 spacecraft check out, Delta launch vehicle preparations, and Symphonie 2 launch.		
SPFL-43-B120-F10 10270	<b>File - Submillimeter Wave Astronomy Satellite (SWAS)</b>	1989 - 2005	Location: Box 120
	<i>Scope and content:</i>		

	Contains news clippings and press releases re Submillimeter Wave Astronomy Satellite (SWAS) and contracts; satellite design; launch; study of star formation; discovery of water outside the solar system; and reactivation for Deep Impact probe collision with comet Tempel 1.		
SPFL-43-B120-F11 12515	<b>File - Starshine Satellites</b>	1998 - 2002	Location: Box 120
	<i>Scope and content:</i> Contains news articles re Starshine satellites and launch from Alaska; deployment from STS 108; tracking of Starshine decay by students; and components built by students.		
SPFL-43-B120-F12 12527	<b>File - Starlab Observatory</b>	1982 - 1983	Location: Box 120
	<i>Scope and content:</i> Contains presentation, report, and correspondence re Starlab orbiting observatory and ultraviolet (UV) astronomy; international cooperation; use of Parkes, Australia radio telescope; and satellite design.		
SPFL-43-B120-F13 16145	<b>File - Star Of Hope Satellite</b>	1957 - 1998	Location: Box 120
	<i>Scope and content:</i> Contains news articles and correspondence re Star of Hope satellite concept by John McConnell; 1958 Star of Hope Committee petition; and revival of project for millennium.		
SPFL-43-B120-F14 18533	<b>File - Swift Observatory</b>	1999 - ?	Location: Box 120
	<i>Scope and content:</i> Contains news clippings and press releases re Swift Observatory launch; study of black holes and gamma-ray bursts; detection of supernova in progress.		
SPFL-43-B121-F1 6408	<b>File - Symphonie (France/West German Satellite)</b>	1967 - 1983	Location: Box 121
	<i>Scope and content:</i> Contains news clippings and press releases re the French and West German Symphonie 1 communications satellite; use of Symphonie 1 by the United Nations (UN) and by the Chinese government; signing of an agreement between West Germany and Egypt for a Symphonie ground station; launch of Symphonie 1 by a Delta launch vehicle; satellite communications between French president Valery Giscard d'Estaing and West German Chancellor Helmut Schmidt; Symphonie 1 spacecraft testing; international cooperation in space; Symphonie 1 design plan; and the French space program. Includes brochure re Symphonie satellites; and paper (in French) by J. Bouvet and A.H. Schendel: "Le Project Symphonie". Also includes photos and illustrations re the Symphonie 1 spacecraft and launch.		
SPFL-43-B121-F2 6409	<b>File - Synchronous Meteorological Satellite 1 (SMS-1)</b>	1963 - 1981	Location: Box 121
	<i>Scope and content:</i> Contains press releases and news clippings re the termination of Synchronous Meteorological Satellite (SMS) 1 operations; SMS 1 launch; replacement of SMS 1 by Geostationary Operational Environmental Satellite (GOES) 1; SMS 1 cloud pattern, jet stream, hurricane, and tropical storm observations; SMS 1 communications system problems; international ground stations; use of SMS 1 photos for television weather broadcasts; satellite interference with radio telescope activity; SMS 1 construction procurement; FY1970 run out costs; radio telescopes on SMS 1; and Applications Technology Satellite (ATS) cameras on SMS 1. Includes correspondence re SMS program planning; space environment monitoring; SMS 1 procurement plan; meteorological investigations and sensors; FY1970 project activities; SMS and GOES data collection plans; ATS 6 and SMS 1 environmental impact studies; meteorological satellite programs; and help from the Centre National d'Etudes Spatiales (CNES) for SMS 1 launch. Also includes SMS 1 press kits; SMS 1 "Project Management Report"; and "Summary of the Synchronous Meteorological		

	Satellite Program". Includes photos re SMS spacecraft testing, tracking of Hurricane Carmen, and views of the earth.		
SPFL-43-B121-F3 6410	<b>File - Synchronous Meteorological Satellite 2</b>	1963 - 1979	Location: Box 121
	<i>Scope and content:</i> Contains news clippings and press releases re the Synchronous Meteorological Satellite (SMS) 2; SMS 2 tracking of severe weather systems and hurricanes; National Oceanic and Atmospheric Administration (NOAA) geostationary satellites; SMS 2 operations; SMS 2 launch; NOAA satellite budget; SMS 2 procurement; FY1970 SMS run out costs; use of Applications Technology Satellite (ATS) cameras on SMS 2; study of SMS system; and SMS program planning. Includes SMS 2 press kit. Also includes photos re SMS 2 earth views, spacecraft testing, and launch.		
SPFL-43-B121-F4 6421	<b>File - Syncom (General)</b>	1961 - 2009	Location: Box 121
	<i>Scope and content:</i> Contains news clippings and press releases re the launch of the Syncom 4 satellite (LEASAT Satellite) by Space Shuttle STS 32; use of Syncom Satellites by the Department of Defense (DoD); Syncom 2 and Syncom 3 operations; use of satellite television broadcasts for educational programs; use of Syncom satellites for airline communications; transfer of control of Syncom satellites from NASA to the Department of Defense (DoD); and testing of the Syncom satellites by Hughes Aircraft Company. Includes correspondence re the broadcast of the 1964 Tokyo Olympic Games by Syncom satellites, and the history of the Syncom project. Also includes NASA Facts educational brochure: "Project Syncom"; transcript of a press conference re Syncom satellites; brochure: "The Synchronous-Orbit Communications Satellite by Hughes"; and a bibliography of Jet Propulsion Laboratory (JPL) publications. Includes photos and illustrations re the Syncom 3 flight and launch sequence, US Army satellite communications ship USNS Kingsport, Syncom spacecraft and systems, and Delta launch vehicle.		
SPFL-43-B122-F1 6422	<b>File - Documentation Syncom</b>	1961 - 1973	Location: Box 122
	<i>Scope and content:</i> Contains correspondence re the Syncom communications satellite project; Syncom launch scheduling; spacecraft modifications; transfer of control of Syncom 2 and 3 from NASA to the Department of Defense (DoD); Hughes Aircraft Company design of the Syncom spacecraft; naming of the Syncom satellites; Syncom ground stations; Syncom project background history; liquid versus solid rocket motor propulsion; development of an advanced Syncom; use of Syncom for satellite communication tests; broadcasts of the 1964 Tokyo Olympic Games; Syncom 2 orbital drift; and recovery of Syncom 3.		
SPFL-43-B122-F2 16505	<b>File - Project Syncom - Technical Description And Progress Reports</b>	1961 - 1963	Location: Box 122
	<i>Scope and content:</i> Includes "Project Syncom Design Evaluation Report - Volume 1"; and progress reports.		
SPFL-43-B122-F3 16506	<b>File - Project Syncom Reports</b>	1962 - 1964	Location: Box 122
	<i>Scope and content:</i> Includes report re "Hughes Syncom Mark 2 - Volume 1 Technical Discussion"; and "Syncom Orbit Primer".		
SPFL-43-B122-F4 16507	<b>File - Preliminary History Of The Origins Of Project Syncom NASA Hist. Note 44</b>	9/1/1964	Location: Box 122
	<i>Scope and content:</i> Includes "Preliminary History of the Origins of Project Syncom". by Edgar W. Morse, NASA Headquarters Historical Note HHN44.		

SPFL-43-B122-F5 16508	<b>File - Syncom I Report - Analysis Of First Syncom 1 Launch</b>  <i>Scope and content:</i> Includes reports re "Analysis of First Syncom 1 Launch"; and "Syncom 1 F-1 Failure Mode Investigation".	1963	Location: Box 122
SPFL-43-B123-F1 6423	<b>File - Satellites: Syncom i</b>  <i>Scope and content:</i> Contains press releases and news clippings re the Syncom 1 communications satellite; launch; location of the missing Syncom 1; first synchronous orbiting satellite; launch preparations; and spacecraft characteristics. Includes testimony of Robert Warren before the Senate Commerce Committee Subcommittee on Communications re the launch and orbital performance of Syncom 1; and transcript of a press conference re the Syncom satellites technical background. Also includes photos and illustrations re the Syncom 1 satellite.	1962 - 1964	Location: Box 123
SPFL-43-B123-F2 6424	<b>File - Satellites: Syncom II</b>  <i>Scope and content:</i> Contains news articles and press releases re the Syncom 2 communications satellite; transfer of control of Syncom 2 and Syncom 3 from NASA to the Department of Defense (DoD); use of Syncom 2 for Gemini 3 communications; positioning of Syncom 2; the relay of telephone communications with the Syncom 2 satellite; and Syncom 2 and history of live communication via satellite. Includes photos re Syncom 2 television broadcasts, spacecraft testing, and spacecraft systems. Also contains correspondence re Memorandum of Understanding (MOU) transferring Syncom 2 from NASA to DoD; use of Syncom by DoD; and proposing communications satellite tests using Syncom 2. Also includes transcript of press conference between Washington DC and Geneva, Switzerland re International Telecommunications Union (ITU) via Syncom 2.	1963 - 2008	Location: Box 123
SPFL-43-B123-F3 6425	<b>File - Satellites: Syncom 3</b>  <i>Scope and content:</i> Contains news clippings and press releases re the Syncom 3 communications satellite; television broadcasts of the 1964 Tokyo Olympic Games; use of Syncom 2 as a relay satellite during the Syncom 3 launch; transfer of control of Syncom 2 and Syncom 3 to the Department of Defense (DoD); achievement of the first ever stationary satellite orbit; and Syncom 3 launch planning. Includes "NASA Facts" brochure re Syncom satellites. Also includes photos re the Syncom 3 launch, spacecraft systems and testing, orbital sequence, and television broadcasts from the Tokyo Olympics. Also contains transcript of press conference re Syncom 3 and correspondence re Syncom 3 and DoD.	1963 - 2004	Location: Box 123
SPFL-43-B123-F4 6426	<b>File - Syncom 4-1 Nov 10, 1984 (STS 51-A) 1984-113c</b>  <i>Scope and content:</i> Miscellaneous news clippings and press releases re the launch of the Syncom 4-1 communications satellite (LEASAT Satellite) by Space Shuttle STS 51A; Space Shuttle launch schedules; payload selection and processing; and STS 51A crew selection. Includes news clippings and correspondence re the evaluation of Hughes Aircraft Company's proposal for Syncom 4; Syncom 4 launch costs; and the evaluation of Syncom 4 as a possible payload for a Space Shuttle orbital flight test. Also includes photos re the Syncom 4-1 satellite, launch by STS 51A, and pre-launch spacecraft check out.	1977 - 1984	Location: Box 123
SPFL-43-B123-F5 6427	<b>File - Syncom IV-2</b>  <i>Scope and content:</i>	1984	Location: Box 123

	Miscellaneous news clippings and press releases re the launch of the Syncom 4-2 (LEASAT Satellite) communications satellite from Space Shuttle STS 41D; and STS 41D payload processing, mission definition, and manifest. Includes photos re the launch and pre-launch check-out of Syncom 4-2.
SPFL-43-B123-F6 6428	<b>File - Syncom IV-3</b> 1984 - 1985 Location: Box 123  <i>Scope and content:</i> Miscellaneous news clippings and press releases re the repairs of the Syncom 4-3 (LEASAT) communications satellite by space shuttles STS 61B, STS 51I, and STS 51D; Hughes Aircraft Company contract obligations to the US Navy for Syncom 4 launches; Hughes insurance for Syncom 4; launch of Syncom 4-3 from STS 51D; failure of the Syncom 4-3 engine to fire; and STS 51D payload processing. Includes STS 51I press kit. Also includes photos re repair of Syncom 4-3 during STS 51I; extravehicular activity (EVA), or space walk, by Jeffrey A. Hoffman, Syncom 4-3 launch from STS 51D, and the STS 51D payload bay.
SPFL-43-B123-F7 6429	<b>File - Syncom IV-4</b> 1982 - 1985 Location: Box 123  <i>Scope and content:</i> Contains press releases and news clippings re the Hughes Communications Company attempts to revive the Syncom 4-4 (LEASAT) satellite signal; Syncom 4-4 launch failure; Hughes Communications Company contract obligations to the US Navy; launch of Syncom 4-4 by STS 51I; Syncom 4-4 design; STS 51I payload processing; and the repair of Syncom 4-4 by STS 51I crew. Includes photos re the launch of Syncom 4-4, and pre-launch check out.
SPFL-43-B123-F8 6430	<b>File - Syncom IV-5 1990-2b Jan. 9, 1990 Shuttle Columbia</b> 1986 - 1990 Location: Box 123  <i>Scope and content:</i> Contains news clippings and press releases re the launch of the Syncom 4-5 (LEASAT) communications satellite by Space Shuttle STS 32; Space Shuttle flight schedules; and STS 32 crew assignments. Includes photos re the launch of Syncom 4-5, STS 32 crew, and STS 32 mission patch design.
SPFL-43-B123-F9 6434	<b>File - Test And Training Satellite-II</b> 1968 - 1969 Location: Box 123  <i>Scope and content:</i> Contains news clippings and press releases re the Test and Training Satellite (TTS) 2 launch, tracking by Manned Space Flight Network (MSFN) stations, and the TTS 2 spacecraft. Includes press kit. Includes photos re the launch of TTS 2 along with the Pioneer 9 probe.
SPFL-43-B123-F10 16509	<b>File - Syncom 2 Report - Performance During First 60 Days In Orbit</b> Nov-63 Location: Box 123  <i>Scope and content:</i> Includes report re the "Syncom 2 Performance During First 60 Days in Orbit"
SPFL-43-B123-F11 16510	<b>File - Syncom 3 (Syncom C) Summary Report</b> Apr-64 Location: Box 123  <i>Scope and content:</i> Includes report re (Syncom 3) "Syncom C System Summary".
SPFL-43-B124-F1 6431	<b>File - TD-1A (ESRO Satellite, Launched By NASA)</b> 1968 - 1973 Location: Box 124  <i>Scope and content:</i> Contains news clippings and press releases re the European Space Research Organization (ESRO) satellite hibernation experiment; Thor-Delta (TD) 1A satellite study of cosmic rays; NASA and ESRO cooperation in space; launch of TD 1A for ESRO by NASA; and the abandonment and reinstatement of

	ESRO's TD satellite project. Includes TD 1A press kit. Also includes photos re the TD 1A spacecraft; and illustration re the TD 1A orbital path.		
SPFL-43-B124-F2 6432	<b>File - TTS-1 Test &amp; Training Satellite</b>	1967 - 1968	Location: Box 124
	<i>Scope and content:</i> Contains news clippings and press releases re the Test and Training Satellite (TTS) 1; use of TTS 1 for testing the Manned Space Flight Network (MSFN) in preparation for Apollo program; launch of TTS 1 with the Pioneer 8 probe. Includes Pioneer 8 press kit. Also includes photo re the TTS spacecraft.		
SPFL-43-B124-F3 6433	<b>File - Test &amp; Training Satellite (General)</b>	1966 - 1971	Location: Box 124
	<i>Scope and content:</i> Contains news clippings and press releases re planning for a second Test and Training Satellite (TTS) launch; and TTS costs. Includes correspondence re TTS procurement; use of TTS for testing the Manned Space Flight Network (MSFN) and training personnel; malfunction of fourth TTS; and use of TTS by the Department of Defense (DoD).		
SPFL-43-B124-F4 6437	<b>File - TETR-3 (Pick-A-Back To OSO-7)</b>	1971	Location: Box 124
	<i>Scope and content:</i> Miscellaneous news clippings and press kit re the launch of the Test and Training Satellite (TTS) 3 and the Orbiting Solar Observatory (OSO) 7.		
SPFL-43-B124-F5 6438	<b>File - Telstar Com Sat</b>	1961 - 2002	Location: Box 124
	<i>Scope and content:</i> Contains news articles, press releases, and memorandum re agreement between NASA and American Telephone and Telegraph (AT&T) on control over AT&T Telstar inventions; satellite communications demonstrations using Telstar satellites; Telstar and Delta launch vehicle background histories; Andover, Maine tracking station; Telstar 1 anniversaries; and satellite communications relays. Includes correspondence re the use of Telstar satellites for television transmissions, naming of Telstar satellites, Telstar tracking stations, launch scheduling, and costs of launch operations. Also includes brochures, Bell Telephone Laboratories Incorporated periodical, and transcript of a film narration re Telstar satellites. Includes testimony of James E. Dingman before the House Committee on Interstate and Foreign Commerce re the creation of a commercial communications satellite system. Also includes papers: "Intercontinental Television Relaying by Satellite" by H.E. Wepler; "Satellite Relays and Broadcasting" by J.A. Felker; "Hazards of Communications Satellites" and "Orbital Radio Relays" by John R. Pierce; and "Earthly Communications via Satellite" by James B. Fisk. Includes photos re Telstar communications satellites, Bell Laboratories antenna, map of a global communications network, and the Telstar spacecraft design and systems.		
SPFL-43-B124-F6 6459	<b>File - Telstar i</b>	1961 - 2008	Location: Box 124
	<i>Scope and content:</i> Contains news clippings and press releases re the Telstar 1 communications satellite, the first satellite to receive, amplify, and retransmit telephone and television signals; the impact of satellite communications; Telstar commemorative stamp; the uses of the Telstar 1 satellite; Telstar 1 studies of the Van Allen Radiation Belt and the degradation of spacecraft communications; in-flight repair of Telstar 1; transmittal of live television broadcasts between the US and Europe; Telstar costs and achievements; and Project Telstar background. Includes testimony of Hugh Dryden before the Senate Committee on Foreign Relations re international uses of satellite communications networks, and testimony of James Webb before the House Committee on Science and Astronautics re NASA agreement with the American Telephone and Telegraph (AT&T) Company. Also includes the agreement between NASA and AT&T.		

	Includes reprint of a National Geographic article "Telephone a Star" re global satellite communications. Includes Delta launch vehicle flight report. Also includes photos re the Telstar 1 launch and satellite.		
SPFL-43-B124-F7 6460	<b>File - Telstar II</b>	1962 - 1965	Location: Box 124
	<i>Scope and content:</i> Contains news clippings and press releases re the Telstar 2 communications satellite; global satellite communications; international "town meetings" via satellite; shut-down and resumption of Telstar 2 operations; slight radiation damage to the Telstar 2 spacecraft; and Telstar 2 progress reports. Includes photos re the Telstar 2 spacecraft and launch.		
SPFL-43-B125-F1 6433	<b>File - Test &amp; Training Satellite (General)</b>	1966 - 1971	Location: Box 125
	<i>Scope and content:</i> Contains news clippings and press releases re planning for a second Test and Training Satellite (TTS) launch; and TTS costs. Includes correspondence re TTS procurement; use of TTS for testing the Manned Space Flight Network (MSFN) and training personnel; malfunction of fourth TTS; and use of TTS by the Department of Defense (DoD).		
SPFL-43-B125-F2 6436	<b>File - Terra Satellite</b>	2007 - ?	Location: Box 125
	<i>Scope and content:</i> Contains news articles re Terra satellite and earth resources surveys; detection of wildfires; and weather prediction.		
SPFL-43-B125-F3 6461	<b>File - Shennum, Dr. Robert, May 2, Telstar I And II</b>	1963	Location: Box 125
	<i>Scope and content:</i> Article by Robert H. Shennum: "A General Description of the Telstar Spacecraft". Includes diagrams, photos, and charts re the Telstar satellite orbit paths, usable time per day, spacecraft systems and general design, communications and telemetry, reliability, electronics package, spacecraft attitude, spacecraft temperatures, and radiation experiments. Includes photo and biographical information re Robert Shennum.		
SPFL-43-B125-F4 6462	<b>File - Telstar 3 (A T &amp; T)</b>	1980 - 1983	Location: Box 125
	<i>Scope and content:</i> Contains news clippings and press releases re the launch of the Telstar 3 communications satellite by NASA for the American Telephone and Telegraph Company (AT&T); Telstar 3 design and capabilities; Space Shuttle STS 13 payload manifest; COMSAT Corporation assistance to AT&T for Telstar 3 operations; and construction of Telstar 3 by Hughes Aircraft Company. Includes photos re the Delta launch vehicle, Telstar 3 launch, and Telstar 3 traveling wave tube amplifier.		
SPFL-43-B125-F5 6463	<b>File - Telstar 3-c</b>	1983 - 1984	Location: Box 125
	<i>Scope and content:</i> Miscellaneous press releases and news clippings re the launch of the Telstar 3C communications satellite by Space Shuttle STS 41D; and STS 41D shuttle and cargo processing, launch schedule, and crew selection. Includes photos re the Telstar 3C satellite following its launch by STS 41D.		
SPFL-43-B125-F6 6464	<b>File - Telstar 3-d</b>	1985	Location: Box 125
	<i>Scope and content:</i>		

	Miscellaneous news clippings and photos re the launch of the Telstar 3D communications satellite by Space Shuttle STS 51G. Includes NASA Daily Activities Reports re STS 51G cargo processing.		
SPFL-43-B125-F7 6465	<b>File - Tethered Satellite</b>	1977 - 2007	Location: Box 125
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re Tethered Satellite System (TSS) experiments by the Delta launch vehicle and by Space Shuttle STS 46; tethered space flight technology; construction of TSS by the Italian Space Agency; investigation into the failure of STS 46 TSS 1 experiment; STS 46 crew assignment; Gemini 11 tethered space flight experiment; selection of TSS principal investigators; cooperation between NASA and the Italian Space Agency; balloon-borne tether experiments; TSS costs; and TSS design studies. Also includes correspondence re TSS development, procurement, magnetic and gravity field experiments, and applications. Includes report by the TSS Contingency Investigation Board re the anomalies with the STS 46 TSS 1 experiment. Also includes NASA public information brochure: "The First Mission of the Tethered Satellite System"; list of TSS 1 science investigations; and transcript of a press conference re NASA FY1984 budget request for TSS. Includes "Tethered Satellite System Facility Requirements Definition Team Report". Also includes photos re the TSS 1 experiment and spacecraft tests; and TSS 1 mission patch.</p>		
SPFL-43-B125-F8 6469	<b>File - Telstar 4</b>	1990 - 2003	Location: Box 125
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the American Telephone and Telegraph Company (AT&amp;T) Telstar 4 satellites; Lewis Research Center (LeRC) development of Telstar 4 arcjet thruster technology; and General Dynamics Corporation launch services for Telstar 4.</p>		
SPFL-43-B125-F9 17913	<b>File - Terrestrial Planet Finder (1998-</b>	1998 - ?	Location: Box 125
	<p><i>Scope and content:</i></p> <p>Contains news clippings re Terrestrial Planet Finder telescope to locate Earth-like planets and budget; development; and schedules. Includes excerpts from report: "TPF: Terrestrial Planet Finder; Origins of Stars, Planets, and Life." Also includes report: "Technology Plan for the Terrestrial Planet Finder".</p>		
SPFL-43-B126-F1 12546	<b>File - Tomographic Experiment Using Radiative Recombinative Ionospheric Extreme Ultraviolet And Radio Sources (TERRIERS) Satellite</b>	1999	Location: Box 126
	<p><i>Scope and content:</i></p> <p>Contains news articles and press releases re Tomographic Experiment Using Radiative Recombinative Ionospheric Extreme ultraviolet and Radio Sources (TERRIERS) satellite and design by Boston University students; launch delays; launch; failure of satellite due to inability to orient itself to sun.</p>		
SPFL-43-B126-F2 12568	<b>File - Tethered Satellite (2 Of 2)</b>	1976 - 2006	Location: Box 126
	<p><i>Scope and content:</i></p> <p>Contains news articles and press releases re Tethered Satellite System (TSS) and technology demonstrations; TSS 1 satellite; TSS studies; Students for the Exploration and Development of Space Satellite (SEDSAT) 1; international cooperation with Italian Space Agency for TSS 1; use of tethers on space station; and deployment of TSS 1 on STS-46 flight. Includes report: "Tethered Satellite System Facility Requirements Definition Team Report". Contains status reports and fact sheets re TSS. Includes TSS payload integration plans; program reviews; and Memorandum of Understanding between NASA and the Italian Space Agency re TSS. Also contains speech by NASA Administrator James Beggs re TSS. Also includes correspondence re TSS and STS-46 mission; TSS studies; TSS concept, originally called Skyhook; Tether Applications in Space Task Group; reflight of TSS aboard Space Shuttle; and international cooperation with Italy on TSS.</p>		

SPFL-43-B126-F3 12607	<b>File - Tethered Satellite System, Major Management Review, September 1995</b>  <i>Scope and content:</i> Contains report: "Tethered Satellite System, Major Management Review".	Sep-95	Location: Box 126
SPFL-43-B126-F4 12608	<b>File - Tethered Satellite System (TSS-1R) Data Reference Book</b>  <i>Scope and content:</i> Contains "Tethered Satellite System (TSS-1R) Data Reference Book".	Feb-96	Location: Box 126
SPFL-43-B127-F1 6466	<b>File - Tetrahedral Research Satellite (TRS)</b>  <i>Scope and content:</i> Contains news clippings and press releases re the launch of the US Air Force's Tetrahedral Research Satellite (TRS) to map the Van Allen Radiation Belts.	1962 - 1963	Location: Box 127
SPFL-43-B127-F2 6467	<b>File - Project Tiros</b>  <i>Scope and content:</i> Contains news clippings and press releases re Tiros weather observation satellites; RCA Corporation management of Tiros; Tiros launches; take over of the Tiros project by the US Weather Bureau; Tiros project results; and weather observation cameras. Includes correspondence re Tiros procurement; applications; Project Development Plans (PDP); naming of the Tiros satellites; transfer of Tiros from the Advanced Research Projects Agency (ARPA); interagency cooperation on Tiros between ARPA and the National Advisory Committee for Aeronautics (NACA); spacecraft operations; use of Tiros satellites for reconnaissance; transfer of a spacecraft prototype to the National Air and Space Museum; financial reports; cameras, transition to the Tiros Operational Satellite (TOS) system; Delta launch vehicles; Project Approval Document (PAD); public relations plan; US Weather Bureau budget request; agreements between NASA and the Department of Defense (DoD) on Tiros support and operations; and support facilities. Also includes summary reports and brochures re the Tiros satellites. Includes photos and illustrations re the Tiros spacecraft and systems, weather observation photos, and launch. Also contains transcript of press briefing re Tiros 1.	1958 - 1981	Location: Box 127
SPFL-43-B127-F3 6468	<b>File - Satellites: Tiros</b>  <i>Scope and content:</i> Contains news clippings and press releases re the Tiros weather observation satellites; transition to the Tiros Operational Satellite (TOS) system; Tiros weather observations and hurricane tracking; Soviet accusation of Tiros use as a spy satellite; TOS procurement; and weather observation cameras. Includes Tiros Operations Plan, FY1969 Project Approval Document (PAD), Tiros informational brochures, and paper on Tiros radiation experiments. Also includes photos re Tiros weather observations, spacecraft tests, spacecraft systems; and illustration re the development of meteorological satellites. Also contains transcript of press conference re Tiros 1.	1960 - 1982	Location: Box 127
SPFL-43-B127-F4 17910	<b>File - TIMED (Thermosphere, Ionosphere, Mesosphere, Energetics And Dynamics) Satellite (1992-</b>  <i>Scope and content:</i> Contains news clippings and press releases re testing, development, and launch of TIMED (Thermosphere, Ionosphere, Mesosphere, Energetics and Dynamics) satellite to study upper portions of Earth atmosphere. Includes Announcement of Opportunity.	1992 - ?	Location: Box 127
SPFL-43-B127-F5 18888	<b>File - Time History Of Events And Macroscale Interactions During Substorms (THEMIS)</b>	2002 - ?	Location: Box 127

	<i>Scope and content:</i> Contains news articles and press releases re Time History of Events and Macroscale Interactions during Substorms (THEMIS) probes to study geomagnetic substorms, auroras, and the Van Allen belts.		
SPFL-43-B128-F1 6480	<b>File - Tiros 1958</b>	1958 - 1976	Location: Box 128
	<i>Scope and content:</i> Miscellaneous correspondence re the definition of an exploratory meteorological satellite system by the RCA Corporation and the Advanced Research Projects Agency (ARPA). Include notes re ARPA funding for the Tiros project. Also includes RCA Corporation report: "Requirements for the Orbital Center Computer for the RCA Exploratory Cloud Cover Satellite System". Includes Tiros Operation Plans for 1959 and 1962.		
SPFL-43-B128-F2 6481	<b>File - Tiros 25th Anniversary-1985</b>	1985	Location: Box 128
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the 25th anniversary of the Tiros weather observation satellites, and weather observation satellite systems. Includes Proclamation by President Ronald Reagan declaring National Weather Satellite Week. Also includes RCA Corporation brochure re its weather observation satellites. Includes a Tiros 25th anniversary commemorative cover; and photos re Tiros weather observation.		
SPFL-43-B128-F3 6482	<b>File - Tiros Operational Meteorological Satellites Reading File For 1963</b>	1958 - 1969	Location: Box 128
	<i>Scope and content:</i> Contains correspondence re Tiros and Nimbus weather observation satellites, project status reviews, program management plan, and flight schedules; international use of weather observation satellite data; and coordination of Advanced Research Projects Agency (ARPA) meteorological satellite programs. Includes presentation by William Widger at the NASA industry program plans conference re NASA's meteorological program objectives. Also includes report: "A Proposed Development Program for an Operational Ground Data Handling System for use with Military Meteorological Satellites". Includes Tiros Operational Satellite (TOS) system progress reports through 1969.		
SPFL-43-B128-F4 12627	<b>File - Tiros Project Status Reviews (1960-1962)</b>	1960 - 1962	Location: Box 128
	<i>Scope and content:</i> Contains correspondence and notes re Tiros project status reviews and satellite design; satellite operations; meteorology; and cooperation with the US Weather Bureau.		
SPFL-43-B128-F5 12630	<b>File - Tiros Project Status Reviews (1963)</b>	1963	Location: Box 128
	<i>Scope and content:</i> Contains correspondence and notes re Tiros project status reviews and satellite design; satellite operations; meteorology; and cooperation with US Weather Bureau.		
SPFL-43-B129-F1 6483	<b>File - TOS Checkout Center (1969-)</b>	1968 - 1971	Location: Box 129
	<i>Scope and content:</i> Miscellaneous correspondence re the FY1971 and FY1972 budget for the Office of Tracking and Data Acquisition (OTDA), and the proposed closure of the Goddard Space Flight Center (GSFC) Tiros Checkout Center (TCC). Includes the 1968 revised Tiros Operational Satellites (TOS) Project Development Plan.		
SPFL-43-B129-F2 6484	<b>File - Tiros Documentation. 1960-1962</b>	1959 - 1962	Location: Box 129

	<i>Scope and content:</i> Contains correspondence re the release of Tiros photographs to foreign agencies and governments, and the impossibility of using Tiros as spy satellites. Includes transcript of a press conference re the results of the Tiros 1 satellite; and NASA Technical Report TRR131: "Final Report on the Tiros 1 Meteorological Satellite System".
SPFL-43-B129-F3 6485	<b>File - Ashby, John H. Brief History Of Tiros 1963, American University...</b> 1963 - 1964 Location: Box 129 <i>Scope and content:</i> Headquarters Historical Note HHN45 by John H. Ashby: "A Preliminary History of the Evolution of the Tiros Weather Satellite Program".
SPFL-43-B129-F4 6486	<b>File - Tiros i</b> 1948 - 2002 Location: Box 129 <i>Scope and content:</i> Contains news clippings and press releases re the Tiros 1 satellite anniversaries; scientific applications and achievements; tracking of tropical storms and hurricanes; launch; spacecraft characteristics; information plan; transfer of the Tiros 1 spacecraft to the National Air and Space Museum; humorous cartoons about the Tiros launch; and protests by the Soviet Union (USSR) about the potential of Tiros to be a spy satellite. Includes transcript of a press conference re Tiros 1 scientific results and statement of T. Keith Glennan re Tiros 1 meteorological activity. Also includes Tiros 1 summary operations plan; an outline of early meteorological satellite concepts; and Tiros 25th anniversary commemorative cover. Includes photos and illustrations re Tiros 1 weather observation photos, launch, cloud cover studies, Tiros spacecraft, and map of Tiros orbital path. Also contains correspondence re Tiros 1 satellite operations; usefulness of Tiros 1 as a spy satellite; coordination of aerial photography and Tiros passes for weather observation tests; affect of Thor-Able II launch failure on Tiros 1 schedule; shutdown of Tiros 1 satellite; and the value of meteorological observations from satellites.
SPFL-43-B130-F1 6488	<b>File - Tiros 2: Press Kit, Op. Plan, Tech. Notes</b> 1960 - 1964 Location: Box 130 <i>Scope and content:</i> Press releases and news clippings re the Tiros 2 spacecraft and systems, data utilization, and launch operations. Includes Tiros 2 operations plan. Also includes NASA Technical Notes TND701 by R.A. Hanel and David Wark: "Physical Significance of the Tiros II Radiation Experiment", and TND1910 by Lewis J. Allison: "An Analysis of Tiros II Radiation Data Recorded over New Zealand at Night".
SPFL-43-B130-F2 12634	<b>File - RCA Tiros 1 Press Kit</b> 1960 Location: Box 130 <i>Scope and content:</i> Contains Radio Corporation of America's press kit for the Tiros 1 satellite.
SPFL-43-B130-F3 12637	<b>File - Report: Tiros-Viewed Jet Stream Cloud Patterns In Relation To Wind, Temperature, And Turbulence</b> 1966 Location: Box 130 <i>Scope and content:</i> Contains report: "Tiros-viewed Jet Stream Cloud Patterns in Relation to Wind, Temperature, and Turbulence".
SPFL-43-B130-F4 16111	<b>File - Tiros 1,2, 4, 5, 6, 8, 9, 10</b> 1960 - 1968 Location: Box 130 <i>Scope and content:</i> Miscellaneous photo negatives re Tiros 1, 2, 4, 5, 6, 8, 9, and 10 satellites.
SPFL-43-B131-F1 6487	<b>File - Tiros II</b> 1960 - 1964 Location: Box 131

	<p><i>Scope and content:</i></p> <p>Contains press releases and news clippings re the Tiros 2 weather observation satellite; cloud cover studies; launch of Tiros 2; Tiros 2 guidance system; Delta launch vehicle specifications; international participation in Tiros experiments; Tiros data utilization; infrared photography; and improved weather observation capabilities. Includes correspondence re support to Tiros 2 operations from the Pacific Missile Range (PMR) and the US Army Signal Corps; and Tiros 2 data utilization. Also includes transcripts of press conferences re the Tiros 2 launch and status of experiments; US Weather Bureau report: "Depiction of Satellite Cloud Observations for Facsimile Transmission"; and article by Francis W. Reichelderfer: "Meteorological Satellite Systems in Weather Research and Services". Includes photos re Tiros 2 launch, launch vehicle preparation, infrared photography, spacecraft and systems, and weather observation photos.</p>		
SPFL-43-B131-F2 6489	<b>File - Satellites: Tiros III</b>	1961	Location: Box 131
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Tiros 3 weather observation satellite; participation in an international weather observation program; Tiros 3 camera; hurricane tracking; Tiros 3 data processing; and suspicions in the Soviet Union (USSR) about the possible use of Tiros 3 as a spy satellite. Includes correspondence re NASA and US Weather Bureau invitation for international participation in weather observation programs, and Wallops Island support to Tiros 3 operations. Also includes photos re the Tiros 3 launch, weather observation photos, and spacecraft and testing.</p>		
SPFL-43-B131-F3 6490	<b>File - Tiros IV</b>	1962 - 1966	Location: Box 131
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the termination of the Tiros 4 weather observation satellite picture transmissions; Soviet Union (USSR) suspicions of spy uses of Tiros satellites; Tiros satellite objectives; observations of ice to aid ship navigation; and Tiros 4 support to the Mercury MA6 flight. Includes transcript of a press conference re the Tiros 4 launch, and Tiros 1, 2, and 3 operations. Includes correspondence re the repair and reactivation of Tiros 4; Tiros 4 command and control problems; and Tiros tracking. Also contains photos re Tiros 4 weather observations, launch, spacecraft, and testing.</p>		
SPFL-43-B131-F4 6491	<b>File - Tiros v</b>	1962 - 1966	Location: Box 131
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the termination of Tiros 5 weather observation satellite picture transmissions; breakdown of the Tiros 5 television camera; availability of Tiros photos in the Soviet Union (USSR); and the reduction and analysis of weather observation data. Includes transcript of a press conference re the Tiros 5 launch and operations; and correspondence re the availability of Tiros 5 data for storm tracking. Also includes photos re the Tiros 5 launch, storm tracking, and launch preparations.</p>		
SPFL-43-B131-F5 6492	<b>File - Tiros Operational Satellite (TOS) (Also See ESSA I, ESSA II)</b>	1960 - 1969	Location: Box 131
	<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Tiros Operational Satellite (TOS) global weather observation system; TOS procurement; cooperation between NASA and the US Weather Bureau; and the TOS camera systems. Includes correspondence re compatibility between Nimbus experiments and the TOS system; TOS Project Approval Document (PAD); TOS and Improved TOS (ITOS) radiometers; transition between TIROS and TOS; Delta launch vehicle costs; Tiros ground operations and research and development; Earth Survey Satellite (ESSA) 3 (TOS A) operations; ESSA 7 (TOS E) post-launch report; ITOS costs; use of the Eastern Test Range (ETR) or the Western Test Range (WTR) for TOS launches; Space Tracking and Data Acquisition Network (STADAN) support to Tiros; reliability of the TOS spacecraft; use of TOS satellite data by Department of Defense (DoD) in Vietnam War; and check-out of the ESSA 4 spacecraft. Includes brochure re the TOS system objectives and spacecraft systems.</p>		

	Also includes illustrations re TOS data use, and spacecraft configuration. Also contains memorandum of understanding (MOU): "Basic Agreement Between U.S. Department of Commerce and the National Aeronautics and Space Administration Concerning Operational Meteorological Satellite Systems".		
SPFL-43-B131-F6 6493	<b>File - Tiros VI</b>	1962 - 1964	Location: Box 131
	<i>Scope and content:</i> Miscellaneous press releases and news clippings re the Tiros 6 weather observation satellite and the end of its photo transmissions, launch, camera malfunction, first anniversary, hurricane tracking, support to the Mercury MA8 flight, and the use of the Telstar communications satellite to transmit weather observation data. Includes correspondence re international uses of Tiros satellite data. Also includes photos re the Tiros 6 spacecraft, launch vehicle erection, weather observation, storm tracking, and launch.		
SPFL-43-B131-F7 6494	<b>File - Tiros VII</b>	1963 - 1994	Location: Box 131
	<i>Scope and content:</i> Contains clippings and press releases re the Tiros 7 weather observation satellite, hurricane tracking, anniversaries; and deorbit of Tiros 7. Includes Goddard Space Flight Center (GSFC) newsletter re Tiros 7 weather photography. Also includes photos re the Tiros 7 launch, weather observations, and global cloud cover.		
SPFL-43-B132-F1 6495	<b>File - Tiros VIII</b>	1963 - 1965	Location: Box 132
	<i>Scope and content:</i> Miscellaneous press releases and news clippings re the Tiros 8 weather observation satellite; and the Tiros Automatic Picture Transmission (APT) system. Includes photos re Tiros 8 storm tracking, spacecraft, and the APT system.		
SPFL-43-B132-F2 6496	<b>File - Tiros IX</b>	1964 - 1965	Location: Box 132
	<i>Scope and content:</i> Contains news clippings and press releases re the Tiros 9 weather observation satellite and launch; increased photographic capabilities; and camera shutdown. Includes Tiros 9 press kit. Also includes photos taken by Tiros 9 re global weather patterns and storm tracking. Also contains correspondence re Tiros 9 and improved weather forecasts.		
SPFL-43-B132-F3 6497	<b>File - Tiros x</b>	1965	Location: Box 132
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the Tiros 10 weather observation satellite, hurricane tracking and cloud cover photography, and launch. Includes Tiros 10 press kit. Also includes photos re the Tiros 10 spacecraft and testing, launch, and storm tracking.		
SPFL-43-B132-F4 6498	<b>File - Tiros-k</b>	1964 - 1968	Location: Box 132
	<i>Scope and content:</i> Contains correspondence re the possible use of the Tiros K satellite to study the lower atmosphere; establishment of Tiros K scientific objectives; funding; data utilization; design studies; and the use of Applications Technology Satellites (ATS) for meteorological programs.		
SPFL-43-B132-F5 6499	<b>File - Tiros N 1978-96a (10/13/1978) Wtr</b>	1969 - 1990	Location: Box 132
	<i>Scope and content:</i> Contains news clippings and press releases re the Tiros N satellite; Tiros N investigations of global warming, oceanic remote sensing, foreign disaster alert, and pollution studies; Tiros N launch and		

	shutdown; Advanced Very High Resolution Radiometer (AVHRR), Automatic Picture Transmission (APT), and High Resolution Picture Transmission (HRPT) systems; Tiros N procurement; and plans by the National Oceanic and Atmospheric Administration (NOAA) for a non-Space Shuttle launch of Tiros satellites. Also includes correspondence re Tiros N spacecraft definition; procurement strategy; contributions to the Global Atmospheric Research Program (GARP); NASA funding for meteorology satellites; Tiros N program management; data collection proposals; Tiros N experiment proposals; NOAA and NASA joint studies of Tiros N; use by the Agency on International Development (AID) for foreign disaster assistance; and comparison between Nimbus and Tiros M capabilities. Includes Tiros N press kit. Also includes transcript of a press conference re Tiros N launch and mission. Includes photos and illustrations re the Tiros N spacecraft, launch, weather observations, and spacecraft checkout.		
SPFL-43-B132-F6 6501	<b>File - TOPO-1 (Pick-A-Back Nimbus-IV)</b>	1970	Location: Box 132
	<i>Scope and content:</i> News clipping and correspondence re the launch of the TOPO A geodetic satellite.		
SPFL-43-B132-F7 12652	<b>File - Tiros m</b>	1970	Location: Box 132
	<i>Scope and content:</i> Contains RCA article and NASA press kit re Tiros M weather observation satellite. Also includes photos re Tiros M satellite testing; and launch preparations.		
SPFL-43-B132-F8 12653	<b>File - Total Ozone Mapping Spectrometer - Earth Probe (TOMS-EP)</b>	1994 - 2000	Location: Box 132
	<i>Scope and content:</i> Contains news articles and press releases re Total Ozone Mapping Spectrometer - Earth Probe (TOMS-EP) and launch aboard Pegasus XL launch vehicle; mapping of atmospheric ozone; ozone hole; and TOMS-EP follow-on satellite. Includes photos re satellite imagery of ozone hole over Antarctica.		
SPFL-43-B133-F1 6455	<b>File - TDRSS Photographs</b>	1974 - 1982	Location: Box 133
	<i>Scope and content:</i> Contains photos and illustrations re the Tracking and Data Relay Satellite Systems (TDRSS) antennas; NASA space tracking and data systems program; TDRSS ground facilities at the White Sands Test Facility (WSTF); TDRSS system concepts and spacecraft configuration; installation of a TDRSS antenna on the Space Shuttle Challenger; and the Space Tracking and Data Acquisition Network (STADAN). Includes TRW Incorporated brochure re the TDRSS telecommunications satellites.		
SPFL-43-B133-F2 6502	<b>File - TOPEX-Poseidon Satellite</b>	1982 - ?	Location: Box 133
	<i>Scope and content:</i> Contains news clippings and press releases re the TOPEX-Poseidon ocean topography satellite mission; tracking of the El Nino storm system; cooperation between NASA and the French Centre National d'Etudes Spatiales (CNES); launch of TOPEX-Poseidon by the Ariane launch vehicle; Mission to Planet Earth oceanography studies; TOPEX-Poseidon radar altimeter instrument and studies of ocean circulation; procurement; space based studies of the earth environment; shutdown of TOPEX-Poseidon; and TOPEX-Poseidon definition studies. Includes brochures re the TOPEX-Poseidon mission, measurement of ocean circulation, and space-based studies of the oceans and climate. Also includes acting Administrator William Graham speech re TOPEX-Poseidon funding. Includes photos and illustrations re the TOPEX-Poseidon spacecraft; and TOPEX-Poseidon mission patch. Also contains correspondence re Memorandum of Understanding (MOU) between NASA and Centre National D'Etudes Spatiales (CNES) for TOPEX-Poseidon; and Request for Proposals (RFPs) for TOPEX-Poseidon definition studies.		
SPFL-43-B133-F3 12661	<b>File - Tracking And Data Relay Satellite Systems (TDRSS) Fact Books</b>	1985 - 1989	Location: Box 133

	<i>Scope and content:</i> Contains NASA Information book on Tracking and Data Relay Satellite Systems; TDRSS Fact Book; and Space Network TDRSS Data Book.		
SPFL-43-B133-F4 12907	<b>File - TDRS (General) (1993-</b>	1993 - ?	Location: Box 133
	<i>Scope and content:</i> Miscellaneous news clippings, press releases, and articles re TRW Incorporated loss of contract and award to Hughes Aircraft Company; and Tracking and Data Relay Satellite Systems (TDRSS) tenth anniversary and expansion. Includes news clippings re STS 66 communications loss; and ending of advanced Tracking and Data Relay Satellite (TDRS) program. Also includes press releases re technology transfer; user service rates; and chronology and history of TDRSS.		
SPFL-43-B133-F5 16122	<b>File - TDRS Documentation - (OVLBI)</b>	1984 - 1988	Location: Box 133
	<i>Scope and content:</i> Miscellaneous correspondence re the Tracking and Data Relay Satellite Systems (TDRSS); Orbiting Very Long Baseline Interferometry (OVLBI) project to place interferometers on orbiting telescope arrays; Jet Propulsion Laboratory (JPL); OVLBI techniques; TDRSS costs and procurement process; and office of Space Science and Applications (OSSA);		
SPFL-43-B134-F1 6536	<b>File - Tracking And Data Relay Satellite Systems (TDRSS) Documentation (1 Of 2)</b>	1964 - 1991	Location: Box 134
	<i>Scope and content:</i> Contains correspondence re the Tracking and Data Relay Satellite Systems (TDRSS) and Space Shuttle launch coordination; TDRSS launch environment; TDRSS, inertial upper stage (IUS), and Space Shuttle interface; Space Shuttle safety requirements; TDRSS launch scheduling and conflicts with Spacelab launches; determination of Space Shuttle flight prices and options; TDRSS procurement process and comparison between lease versus purchase costs; selection of Western Union Corporation for TDRSS service; use of TDRSS for manned space flight projects; Office of Space Tracking and Data Systems (OSTDS) budget submissions; and the reprogramming of FY1983 tracking and data acquisition funds. Includes testimony of Robert E. Smylie before the House Subcommittee on Space Science and Applications re the OSTDS FY1982 budget request.		
SPFL-43-B134-F2 6537	<b>File - TDRSS 1975</b>	1975 - 1977	Location: Box 134
	<i>Scope and content:</i> Miscellaneous correspondence re the acquisition of Tracking and Data Relay Satellite Systems (TDRSS) leased services; TDRSS support to future NASA projects; TDRSS procurement and comments on the Request for Proposals (RFP); and Space Shuttle priority on TDRSS usage. Includes outlines of presentations re TDRSS launch schedule, spacecraft weight, and launch alternatives.		
SPFL-43-B134-F3 6540	<b>File - Tracking And Data Relay Satellite Systems (TDRSS) Documentation (2 Of 2)</b>	1965 - 1991	Location: Box 134
	<i>Scope and content:</i> Contains correspondence re the Tracking and Data Relay Satellite Systems (TDRSS); Office of Management and Budget (OMB) approval of TDRSS; TDRSS leased procurement approach; closing of Space Tracking and Data Acquisition Network (STADAN) stations; TDRSS legislative package; coordination between NASA and the Federal Communications Commission (FCC); TDRSS spacecraft technical design studies; development of TDRSS transponders; use of the Space Shuttle and the inertial upper stage (IUS) for TDRSS launches; agreement between NASA and the US Air Force (USAF) on the determination of launch prices; selection of the Delta launch vehicle as a backup for TDRSS launches; TDRSS service contract with Western Union Corporation; TDRSS support to NASA flight projects and space probes; TDRSS economic benefits and costs analysis; Space Shuttle launch schedules; and the		

	replacement of the TDRSS spacecraft lost in the Challenger Accident. Includes NASA Management Instruction (NMI) re the use and reimbursement policy for non-US government users of TDRSS.		
SPFL-43-B134-F4 16273	<b>File - Tracking And Data Relay Satellite Systems (TDRSS) Security Classification Guide</b>  <i>Scope and content:</i> Includes Tracking and Data Relay Satellite Systems (TDRSS) Security Classification Guide; TDRSS Contingency Plan; and related correspondence.	1981 - 1983	Location: Box 134
SPFL-43-B135-F1 6533	<b>File - TDRSS Fact Book</b>  <i>Scope and content:</i> Tracking and Data Relay Satellite Systems (TDRSS) Fact Book re a record of significant events in the approval and implementation of the TDRSS program.	1988	Location: Box 135
SPFL-43-B135-F2 6534	<b>File - NASA Tracking &amp; Data Relay Sat (TDRS)</b>  <i>Scope and content:</i> Contains news clippings and press releases re the Tracking and Data Relay Satellite System (TDRSS); chronology and history of TDRSS; TDRSS costs, spacecraft, and uses for spacecraft communications; TDRSS ground station at the White Sands Test Facility (WSTF); leasing of TDRSS transponders; FY1992 TDRSS funding by NASA and the Department of Defense (DoD); purchase and design of an advanced TDRSS spacecraft; military uses of TDRSS; evolution of space tracking systems; spacecraft data handling and linking systems; display of a TDRSS satellite in the National Air and Space Museum; selection of a TDRSS launch vehicle; procurement and contract selection; contract with the Space Communications Company (SpaceCom) for the operation of TDRSS; design of large space antennas; TDRSS design and vulnerability to tampering from Soviet Union's (USSR) radar; selection of the first Space Shuttle payloads. Includes NASA Management Instruction (NMI) changes re reimbursements for non-US government uses of TDRSS. Also includes "NASA Facts" educational brochure: "Entering the Era of the Tracking and Data Relay Satellite System". Includes transcript of an FY1986 budget press conference re support for TDRSS. Also includes testimony of William C. Schneider before the House Subcommittee on Space Science and Applications re NASA's FY1980 budget request and the status of the TDRSS project; and testimony of Gerald M. Truszynski before the House Subcommittee on Space Science and Applications re NASA FY1978 budget requirements for tracking and data acquisition activities. Includes NASA Educational Publication EP251: "The New Space Network: The Tracking & Data Relay Satellite System". Also includes NASA Project Approval Document (PAD) re tracking and data acquisition programs; Hughes Aircraft Company report: "TDRSS Users' Spacecraft Antennas"; and "Tracking and Data Relay Satellite System Fact Book". Includes photos and illustrations re TDRSS spacecraft design, tracking and data acquisition functions, and the ground station at White Sands, New Mexico.	1971 - ?	Location: Box 135
SPFL-43-B135-F3 6535	<b>File - TDRS "Lessons Learned"</b>  <i>Scope and content:</i> The Tracking and Data Relay Satellite System (TDRSS) Management Story by Robert O. Aller re the program management lessons of the TDRSS program.	1989 - 1990	Location: Box 135
SPFL-43-B136-F1 6538	<b>File - TDRSS (3/81) NASA Ig Report</b>  <i>Scope and content:</i> Report of the NASA Office of Inspector General re the audit of the Tracking and Data Relay Satellite Systems (TDRSS); TDRSS planning, justification, and enabling legislation; contractual and financial arrangements; contract management; and project management. Includes news clippings re the increased costs of TDRSS.	1981	Location: Box 136

SPFL-43-B136-F2 6541	<p><b>File - TDRS-1 (4 Apr. 83) - STS-6 26b</b> 1982 - 2009 Location: Box 136</p> <p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Tracking and Data Relay Satellite (TDRS) 1 satellite; TDRS 1 as a backup to TDRS 2 and TDRS 3; Tracking and Data Relay Satellite Systems (TDRSS) project evolution and milestones; use of TDRS 1 for Space Shuttle continuous radio communications; global network of Space Shuttle ground communications stations; TDRS 1 spacecraft anomalies; procurement of a replacement TDRSS spacecraft; failure of TDRS 1 communications and its impact on STS 41G; investigation and rescue of the TDRS 1 satellite after it entered an incorrect orbit; penalties against TRW Incorporated and Space Communications Company (SpaceCom) for TDRS 1 failures; use of TDRS 1 to relay Spacelab and LandSat 4 data; history of TDRS 1 orbital maneuvers; launch by STS 6; and the malfunction of the inertial upper stage (IUS) and resulting delays of a second TDRS. Includes correspondence re numerical designations of TDRSS spacecraft, and the development of a TDRS 1 contingency plan in the event of further spacecraft degradation. Also includes Office of Space Tracking and Data Systems (OSTDS) mission summary for STS 9 and Spacelab 1 activities; and brochure: "TDRSS Network: A New Era of Space Communications for NASA Users". Includes STS 9 mission chart and map. Also includes photos re the launch of TDRS 1 from STS 6; LandSat 4 image relayed by TDRS 1; TDRS 1 spacecraft and checkout; map of the TDRS 1 ground track; and illustration of the TDRS spacecraft configuration.</p>
SPFL-43-B136-F3 6543	<p><b>File - TDRSS B 1/28/86 STS 51-L</b> 1982 - 1988 Location: Box 136</p> <p><b>Explosion</b></p> <p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re procurement for the replacement of the Tracking and Data Relay Satellite (TDRS) B lost in the Challenger accident; search for debris from the Challenger accident; STS 51L cargo processing; cancellation of STS 51E due to a dead battery on TDRS B; and testing of the inertial upper stage (IUS). Includes correspondence re the use of TDRS B for Pacific Ocean regional communications; and the policy on numerical designations for TDRS spacecraft. Also includes STS 51L press kit. Includes photos re STS 61B cargo loading; preparation of TDRS B for mating with the IUS; and an illustration of the Tracking and Data Relay Satellite Systems (TDRSS) concept.</p>
SPFL-43-B136-F4 6544	<p><b>File - TDRS-3 (88-91b) STS-26 Sep. 29, 1988</b> 1983 - 1991 Location: Box 136</p> <p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Tracking and Data Relay Satellite (TDRS) 3 interference with cable television broadcasts; Tracking and Data Relay Satellite Systems (TDRSS) project evolution and milestones; establishment of continuous Space Shuttle communications through TDRSS; launch of TDRS 3 by STS 26; STS 26 payload processing; and the establishment of Space Shuttle payload priorities for the return to operations after the Challenger accident. Includes correspondence re the policy for the numerical designations of TDRS spacecraft. Also includes photos re the launch of TDRS 3 from STS 26, mating with the Inertial Upper Stage (IUS), and pre-launch spacecraft inspection; and an illustration re the TDRSS concept.</p>
SPFL-43-B136-F5 6545	<p><b>File - TDRSS D 1989-21b (STS-29) Mar. 13 '89</b> 1982 - 1989 Location: Box 136</p> <p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Tracking and Data Relay Satellite Systems (TDRSS) project evolution and milestones; launch of the Tracking and Data Relay Satellite (TDRS) 4 by Space Shuttle STS 29; establishment of continuous Space Shuttle communications with TDRSS; preparation of Space Shuttle and payload for STS 29 launch; definition of Space Shuttle payload priorities following the Challenger accident; and the replacement of the TDRS 2 satellite. Includes correspondence re the policy on numerical designation of TDRS spacecraft. Also includes photos re the launch of TDRS 4 by STS 29; STS 29 launch; and illustration of the TDRSS concept.</p>

SPFL-43-B137-F1 6542	<b>File - TDRSS Users' Guide</b>	1978 - 1984	Location: Box 137
<p><i>Scope and content:</i></p> <p>Tracking and Data Relay Satellite Systems (TDRSS) users' guides from 1978 and 1984 re technical details of user spacecraft interface with TDRSS, and the available TDRSS telecommunications services.</p>			
SPFL-43-B137-F2 6546	<b>File - 1991-054b TDRS-5(E) Aug. 2, 1991 Launched By STS-43</b>	1985 - 1991	Location: Box 137
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Tracking and Data Relay Satellite (TDRS) 5; launch of TDRS 5 by Space Shuttle STS 43; STS 43 payload processing; White Sands Test Facility (WSTF) ground station and Tracking and Data Relay Satellite Systems (TDRSS) complex; and procurement to replace the TDRS 2 spacecraft. Also includes correspondence re the policy on numerical designations for TDRS spacecraft. Includes STS 43 press kit, and brochure; "TDRS: NASA's Switchboard in the Sky". Also includes photos re TDRS 5 as seen from STS 43, TDRS 5 launch preparation, and illustration of the TDRS spacecraft.</p>			
SPFL-43-B137-F3 6547	<b>File - 1993-03b TDRSS-F (6) Jan 13, 1993 (STS-54)</b>	1982 - 1993	Location: Box 137
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the launch of the Tracking and Data Relay Satellite (TDRS) 6 by Space Shuttle STS 54; STS 54 payload processing; and TDRS 5 and TDRS 6 procurement. Includes TDRS 6 pre-launch Mission Operation Report (MOR), and STS 54 press kit. Also includes photo re the launch of TDRS 6.</p>			
SPFL-43-B137-F4 6548	<b>File - TDRSS 7</b>	1987 - 1995	Location: Box 137
<p><i>Scope and content:</i></p> <p>Contains news articles and press releases re Tracking and Data Relay Satellite (TDRS) 7 and launch delays due to woodpecker damage on Space Shuttle external tank (ET); launch aboard STS-70 mission; and successful deployment. Includes Tracking and Data Relay Satellite (TDRS) F7 Mission Contingency Plan. Also contains photos re TDRS 7 delivery to Kennedy Space Center; satellite testing; prelaunch preparations; and integration into Space Shuttle payload bay.</p>			
SPFL-43-B137-F5 6549	<b>File - Advanced TDRSS - TDRS-h</b>	1987 - 2001	Location: Box 137
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re design studies for an advanced Tracking and Data Relay Satellite (TDRS); launch and malfunction of TDRS-H; and refusal of NASA to take ownership from Boeing after orbital malfunction. Includes remarks by NASA Administrator Daniel Goldin re FY1994 NASA budget request and the delay in development of an advanced TDRS. Also includes photos re TDRS-H payload preparation; assembly; and launch.</p>			
SPFL-43-B138-F1 6550	<b>File - Tracking &amp; Data Acquisition Sat (TDAS)</b>	1983 - 1984	Location: Box 138
<p><i>Scope and content:</i></p> <p>Miscellaneous news clippings re the development of a follow-on to the Tracking and Data Relay Satellite System (TDRSS).</p>			
SPFL-43-B138-F2 6582	<b>File - Upper Atmosphere Research Satellite (UARS) 1991-63b (Ats-48) Sept. 15, 1991</b>	1977 - ?	Location: Box 138
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the Upper Atmosphere Research Satellite (UARS) atmospheric research and studies of ozone layer damage; UARS investigations and operations; study of</p>			

	the link between chlorine monoxide levels and ozone depletion; launch of UARS by Space Shuttle STS 48; UARS contributions to Mission to Planet Earth; UARS instruments, investigators, and investigations; STS 48 crew; cooperation between the US and the Soviet Union (USSR) on ozone studies; use of a multimission modular spacecraft (MMS) for UARS; FY1986 and FY1985 funding; and delays in the start of UARS. Includes brochures re the UARS spacecraft and ozone investigations. Also includes photos re the launch of UARS and STS 48 payload processing; illustration re the UARS spacecraft; and charts re the UARS remote atmospheric sensors and investigations. Also contains report: "Upper Atmosphere Research Satellite Program: Final Report of the Science Working Group".
SPFL-43-B138-F3 16146	<p><b>File - Triana Satellite (Goresat)</b> 1998 - ? Location: Box 138</p> <p><i>Scope and content:</i></p> <p>Contains news articles and press releases re Vice President Al Gore's proposal for earth observation satellite to send pictures of earth over the Internet; inclusion of Triana in Next Generation Small Explorers Program (SMEX-Lite); inclusion of other scientific instruments by NASA; selection of Scripps Oceanographic Institute as Triana development team; political controversy over Triana; cost of mission; evaluations of Triana's scientific value; Triana as Space Shuttle payload; cancellation of Triana; and restart of Triana. Includes Triana Confirmation Review. Contains presentations and reports re Triana launch options; guidance and navigation; role as first earth observation mission at L1 (Lagrange or libration point 1); configuration control; and satellite design. Also includes correspondence re evaluations of Triana mission; Triana launch as Shuttle payload; and cancellation of Triana. Also contains photos re Triana ground support equipment (GSE) and spacecraft.</p>
SPFL-43-B138-F4 18014	<p><b>File - TDRS-I</b> 2002 - ? Location: Box 138</p> <p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re launch; failure of propellant tanks of Tracking and Data Relay Satellite (TDRS) I satellite; recovery of TDRS I and move to geosynchronous orbit; construction and launch of TDRS J; and awarding of contracts for TDRS K and TDRS L.</p>
SPFL-43-B139-F1 6583	<p><b>File - Upper Atmosphere Research Satellite</b> 1980 - 2004 Location: Box 139 <b>b</b></p> <p><i>Scope and content:</i></p> <p>News clipping re Upper Atmosphere Research Satellite (UARS) costs; and press releases re UARS contract awards and selection of investigations. Also includes brochures re UARS; and illustrations re the UARS spacecraft.</p>
SPFL-43-B139-F2 6584	<p><b>File - UK 1-3 Satellites</b> 1962 - 1967 Location: Box 139</p> <p><i>Scope and content:</i></p> <p>Contains correspondence re the scheduling of the UK 2 Satellite launch. Includes photos re Harrie Massey with the UK 1 satellite and UK 3 satellite check-out; and illustration re the UK spacecraft.</p>
SPFL-43-B139-F3 6585	<p><b>File - UK X-4 Miranda 1974-013a (8 March 74)</b> 1969 - 1974 Location: Box 139</p> <p><i>Scope and content:</i></p> <p>Contains news clippings re the launch of the UK X4 satellite by NASA for the United Kingdom (UK); and UK X4 testing of spacecraft attitude control and sensory systems. Includes UK X4 press kit; and correspondence re UK X4 mission characteristics. Also includes photos re the UK X4 spacecraft check-out and launch by the Scout launch vehicle.</p>
SPFL-43-B139-F4 6586	<p><b>File - UK-6</b> 1967 - 1979 Location: Box 139</p> <p><i>Scope and content:</i></p>

	Contain news clippings re the UK6 satellite launch schedule. Includes photos re UK6 and UK5 satellites and satellite testing; prelaunch preparations; control center; and artists' illustrations.		
SPFL-43-B139-F5 6588	<b>File - UOSat</b>	1981 - 1999	Location: Box 139
	<i>Scope and content:</i> Contains news clippings re LightSat satellites; University of Surrey Satellites (UOSAT), also known as the Orbiting Satellite Carrying Amateur Radio (OSCAR); UOSAT locator beacons; electronic mail forwarding system; amateur radio communications; and launch of UOSAT by NASA for the United Kingdom (UK).		
SPFL-43-B139-F6 6589	<b>File - Vanguard Photos</b>	1957 - 1967	Location: Box 139
	<i>Scope and content:</i> Contains photos re Vanguard launch vehicle and satellites; Vanguard Project staff; final pre-launch checks of Vanguard satellites; Vanguard satellite systems; Vanguard launches; and illustrations of the Vanguard first and second stage propulsion systems.		
SPFL-43-B139-F7 6591	<b>File - Vanguard (Negatives Of Pictures In Sp-4202)</b>	1970	Location: Box 139
	<i>Scope and content:</i> Miscellaneous photos negatives re the Vanguard Project from NASA Special Publication SP4202: "Vanguard, A History" by Green and Lomask.		
SPFL-43-B139-F8 6593	<b>File - Satellites: Vanguard</b>	1955 - 1989	Location: Box 139
	<i>Scope and content:</i> Miscellaneous news clippings, press releases, and manuscripts re the impact of the success of the Vanguard 1 satellite; early days of the Vanguard Project; NASA committees and panels associated with the Vanguard Project; Vanguard flight summaries; US participation in the International Geophysical Year (IGY); and the Vanguard second stage propulsion system. Includes correspondence re a meeting with President Eisenhower on the status of the US earth satellite program; the relationship between the Vanguard Project and the Delta launch vehicle, and Project Vanguard achievements. Includes Naval Research Laboratory (NRL) "Design Specification for Vanguard Launching Vehicle", and NRL Project Vanguard Directory. Includes paper by Constance Green re the race by American scientists to orbit an earth satellite for the IGY; and report: "Environmental Testing of Project Vanguard Satellites".		
SPFL-43-B140-F1 6592	<b>File - Project Vanguard Miscellaneous</b>	1957 - 1959	Location: Box 140
	<i>Scope and content:</i> Miscellaneous papers from the "Symposium on the US Earth Satellite Program-Vanguard of Outer Space"; speech by John P. Hagen re the Vanguard Project and the International Geophysical Year (IGY); and brochure: "Project Vanguard and the Scientific Earth Satellite Program". Also includes US Naval Research Laboratory (NRL) telephone directory; US Army Corps of Engineers report: "Army Participation in Project Vanguard"; and US Navy "All Hands" periodical re Navy participation in the Vanguard Project.		
SPFL-43-B140-F2 6594	<b>File - Vanguard Program (Costs)</b>	1957 - 1959	Location: Box 140
	<i>Scope and content:</i> House Committee on Government Operations report: "Organization and Management of Missile Programs" re the commitment of funds to the Vanguard Project. Includes news clipping re the costs and relatively low success rate of Vanguard launches. Includes report re Naval Research Laboratory		

	(NRL) budget and funding for projects related to Vanguard. Also contains chronology re events in upper atmospheric research which lead to Vanguard.		
SPFL-43-B140-F3 6595	<b>File - Vanguard/Thor-Able Review</b>  <i>Scope and content:</i> Report of the Vanguard Project review re spacecraft technical features and quality control, and Project redesign and revision considerations.	1959	Location: Box 140
SPFL-43-B140-F4 6596	<b>File - Vanguard, Background Information</b>  <i>Scope and content:</i> Contains news clippings and press releases re the Vanguard Project legacy; evaluation of Vanguard success; space race between the US and the Soviet Union (USSR); statement of the Eisenhower Administration establishing the US earth satellite program; US Navy space and missile programs; radio tracking of satellites; US participation in the International Geophysical Year (IGY); and the Vanguard rocket engine. Includes correspondence re the establishment of Vanguard tracking stations; Vanguard Project status reports; backup launch vehicles; and comparisons between the US and USSR satellite programs. Also includes agreement between the Department of Defense (DoD) and NASA re the transfer of the Vanguard Project to NASA; and chart re Vanguard Project policy and working channels.	1955 - 1989	Location: Box 140
SPFL-43-B140-F5 6597	<b>File - Vanguard Docs-Early History (Xeroxed From M. Rosen's Copies)</b>  <i>Scope and content:</i> Contains correspondence re the completion of the transfer of the Vanguard Project to NASA from the Department of Defense (DoD), and funding of the Vanguard Project. Includes Naval Research Laboratory (NRL) Memorandum by Kurt R. Stehling and William J.D. Escher: "A Method of Improving the Performance of the Vanguard First-Stage Powerplant..."; paper by Milton Rosen and R.B. Snodgrass: "The M10 Viking as a Satellite First Stage"; and paper by John T. Mengel: "Minitrack System Design Criteria". Includes speech by J.Wallace Joyce: "The Scientific Earth Satellite" re US participation in the International Geophysical Year (IGY).	1956 - 1966	Location: Box 140
SPFL-43-B140-F6 6598	<b>File - Satellites: Vanguard (Trnsf. From Dr. Hagen's Office)</b>  <i>Scope and content:</i> Contains correspondence re the naming of the Vanguard Project; design of a satellite launch vehicle; establishment of the Vanguard scientific satellite program by the Naval Research Laboratory (NRL); and Vanguard budget estimates. Includes contract between the NRL and the Martin Company for the Vanguard Project. Also includes papers by Milton Rosen and R.B. Snodgrass: "The M10 Viking as a Satellite First Stage"; by Kurt R. Stehling and William J.D. Escher: "A Method of Improving the Performance of the Vanguard First-Stage Powerplant..."; and by R. Cargill Hall: "Origins and Development of the Vanguard and Explorer Satellite Programs". Includes NASA Technical Note TND782 by Escher and Richard W. Foster: "A Sequence Diagram Analysis of the Vanguard Satellite Launching Vehicle". Also includes NASA reports: "Proposed Performance Specification for a Three Stage...Satellite and Space Probe Launching Vehicle", and "The Vanguard Satellite Experiments" by R. W. Stroup.	1955 - 1963	Location: Box 140
SPFL-43-B140-F7 6599	<b>File - Vanguard Engineering Summary</b>  <i>Scope and content:</i> Report by the Martin Company: "The Vanguard Satellite Launching Vehicle, an Engineering Summary" re the Vanguard launch vehicle design, guidance and propulsion systems, reliability and safety, testing, flight analysis, and program accomplishments.	1960	Location: Box 140
SPFL-43-B141-F1 6600	<b>File - Vanguard Chronology 1945-1957</b>	1945 - 1957	Location: Box 141

	<i>Scope and content:</i> Chronology of US programs affecting the Vanguard Project and ballistic missile development, 1945 through 1957.		
SPFL-43-B141-F2 6601	<b>File - Vanguard Project Origins And Progress Reports</b>	1955 - 1957	Location: Box 141
	<i>Scope and content:</i> Naval Research Laboratory (NRL) memorandum: "A Scientific Satellite Program" re the origins and development of a scientific earth satellite program. Includes NRL Vanguard Project progress reports through June, 1957.		
SPFL-43-B141-F3 6602	<b>File - Vanguard: Martin Company Contract</b>	1959	Location: Box 141
	<i>Scope and content:</i> Miscellaneous diagrams predicting Vanguard launch vehicle impact locations. Includes a Martin Company specification: "Rocket Stands for First and Second Stage Engines".		
SPFL-43-B142-F1 6603	<b>File - Vanguard Historical</b>	1958 - 1983	Location: Box 142
	<i>Scope and content:</i> Miscellaneous news clippings and press releases re the silencing of the first Vanguard satellite; Vanguard launch failure; Vanguard Project director John Hagen; Vanguard Project anniversaries; the impact of the Vanguard Project on the US space program; and the Advanced Research Projects Agency (ARPA) satellite programs. Includes correspondence re the twenty-fifth anniversary of the first Vanguard launch, Vanguard launch vehicle performance record and working schedule, and Vanguard Project personnel requirements. Includes papers by John Hagen: "The Viking and the Vanguard", "Satellites, Orbits, and Space Science", "Editors, Scientists, and Satellites", and "New Worlds through Engineering". Also includes paper by J. Paul Walsh: "A View of the Space Age and its Problems"; and paper by Homer E. Newell: "International Geophysical Year (IGY) Earth Satellite Program". Includes proceedings of a symposium on the US earth satellite program and Project Vanguard. Also includes programs from the Vanguard Project second and twenty-fifth anniversary parties. Includes brochure: "Project Vanguard and the Scientific Earth Satellite Program". Also includes Vanguard Project twenty-fifth anniversary commemorative sticker. Includes photos re the Vanguard project staff, and the Vanguard satellite.		
SPFL-43-B142-F2 6621	<b>File - Vanguard Documentation '59-'60</b>	1957 - 1960	Location: Box 142
	<i>Scope and content:</i> Miscellaneous correspondence re the disposal of Vanguard Project excess property; Vanguard monthly status and financial reports; oceanographic activities of weather satellites; satellite position prediction; change of scientific officers on Vanguard contracts; exhibit of Vanguard demonstration equipment; design and development of the Vanguard launch vehicle third stage propulsion system; transfer of Vanguard tracking stations from the US Army to NASA; transfer of the Vanguard Project from the Naval Research Laboratory (NRL) to NASA; Martin Company designs of Vanguard satellites; data reduction for the Vanguard 3 satellite; launch vehicle atmospheric re-entry data; NRL program organization; first successful Vanguard launch; end of NASA support for further Vanguard launch vehicle development; and launch vehicle post-flight analysis. Includes paper by Virgil A. Counter: "Propagation of Radio Waves through the Troposphere and Ionosphere".		
SPFL-43-B142-F3 6622	<b>File - Rosen, Milton W. Vanguard AIAA, Washington, D.C.</b>	1971	Location: Box 142
	<i>Scope and content:</i> NASA Headquarters Historical Report HHR36: "Rocketry in the 1950's" presentation by Milton W. Rosen re the design innovations of the Viking and Vanguard launch vehicles.		

SPFL-43-B142-F4 6623	<b>File - Satellite Cosmic Ray Research</b>	1955	Location: Box 142
<p><i>Scope and content:</i></p> <p>Proposal for Cosmic Ray Observations in Earth Satellites re the development of satellites for high altitude cosmic ray research.</p>			
SPFL-43-B142-F5 6624	<b>File - Stewart Committee Vanguard</b>	1955 - 1958	Location: Box 142
<p><i>Scope and content:</i></p> <p>Miscellaneous recommendations of the transfer of the Vanguard Project from the Naval Research Laboratory (NRL) to NASA. Includes correspondence re Department of Defense (DoD) studies of launch vehicle costs, and cold war and scientific applications of a Vanguard follow-on; the Vanguard orbit determination program; and the Vanguard flight test program. Includes NRL Memorandum: "A Scientific Satellite Program"; and the Stewart Committee Advisory Group on Special Capabilities meeting on Vanguard launch operations.</p>			
SPFL-43-B142-F6 6625	<b>File - Papers For Stewart Committee</b>	1955 - 1956	Location: Box 142
<p><i>Scope and content:</i></p> <p>Miscellaneous correspondence re the Department of Defense (DoD) scientific satellite program; Martin Company Vanguard launch vehicle development; use of Redstone launch vehicles for the Vanguard Project; Vanguard project costs; US Navy requirements for US Air Force (USAF) missile test ranges; establishment of the Vanguard communications network by the US Army; establishment of Vanguard headquarters at the Naval Research Laboratory (NRL); and the announcement by the Eisenhower Administration on the US scientific satellite program.</p>			
SPFL-43-B143-F1 6626	<b>File - Vanguard, Project Report No. 1, January 13, 1956</b>	1955 - 1956	Location: Box 143
<p><i>Scope and content:</i></p> <p>Naval Research Laboratory (NRL) report: "Project Vanguard Report No. 1" re Vanguard Project background; selection of a launching site; logistics support; launch vehicle; satellite; tracking and data acquisition; and the scientific program. Also includes photo re Minitrack temporary station.</p>			
SPFL-43-B143-F2 6627	<b>File - Vanguard (Test Vehicle-0-Dec. 8, 1956)</b>	1956	Location: Box 143
<p><i>Scope and content:</i></p> <p>News clipping re the first test of the experimental Vanguard launch vehicle; and photos re the Vanguard launch vehicle.</p>			
SPFL-43-B143-F3 6628	<b>File - Vanguard (Test Vehicle-1-May 1, 1957)</b>	1957	Location: Box 143
<p><i>Scope and content:</i></p> <p>Miscellaneous photos re the Vanguard test launch vehicle (TV) 1, pre-launch testing, and launch.</p>			
SPFL-43-B143-F4 6629	<b>File - Vanguard Test Vehicle 2 (Oct. 23, 1957)</b>	1957	Location: Box 143
<p><i>Scope and content:</i></p> <p>Miscellaneous photos re the Vanguard test launch vehicle (TV) 2.</p>			
SPFL-43-B143-F5 6630	<b>File - Vanguard Test Vehicle 3 (December 6, 1957)</b>	1957 - 1984	Location: Box 143
<p><i>Scope and content:</i></p> <p>Contains news clippings and correspondence re the display of the Vanguard satellite from the Vanguard test launch vehicle TV3 on display at the National Air and Space Museum. Includes news clipping re</p>			

	the launch of the Sputnik satellite by the Soviet Union (USSR). Also includes photos re the Vanguard TV3 launch vehicle; TV3 launch failure; and Michael Collins, John Hagen, and Eugene Emme with the Vanguard satellite.		
SPFL-43-B143-F6 6633	<b>File - Vanguard Test Vehicle 3 (Feb. 5, 1958)</b>	1958 - 1960	Location: Box 143
	<i>Scope and content:</i> Space Activities Summary re the launch failure of the Vanguard test launch vehicle TV3. Includes photo re the Vanguard TV3 launch.		
SPFL-43-B143-F7 6634	<b>File - Vanguard I (March 17, 1958) (TV-4)</b>	1958 - 2010	Location: Box 143
	<i>Scope and content:</i> Contains press releases and news clippings re the celebration of Vanguard 1 satellite anniversaries; silencing and continued orbit of the Vanguard 1 satellite; tracking of Vanguard 1; the Vanguard orbit determination program; and the discovery by Vanguard 1 that the earth is pear-shaped. Includes photos re the launch of the Vanguard 1 satellite by the Vanguard test launch vehicle TV4; launch vehicle and satellite check-out and fueling; and illustration of the Vanguard 1 mission and satellite systems.		
SPFL-43-B143-F8 6635	<b>File - Vanguard 1 25th Anniversary 1983</b>	1983 - 1998	Location: Box 143
	<i>Scope and content:</i> Contains news clippings re the twenty-fifth anniversary of the Vanguard 1 satellite launch. Also contains photos re Vanguard launch failure.		
SPFL-43-B143-F9 6636	<b>File - Vanguard (Test Vehicle 5-April 28, 1958)</b>	1958 - 1960	Location: Box 143
	<i>Scope and content:</i> Space Activities Summary re the Vanguard test launch vehicle TV5 launch failure. Includes photos re the check-out of Vanguard TV5 by Vanguard staff and hangar crews.		
SPFL-43-B143-F10 6637	<b>File - Vanguard (SLV-1 - May 27, 1958)</b>	1958 - 1960	Location: Box 143
	<i>Scope and content:</i> Space Activities Summary re the Vanguard satellite launch vehicle (SLV) 1 launch failure. Includes photos re the launch and erection of SLV 1; and illustration re the SLV instrumentation, trajectory data, and electronic ground stations.		
SPFL-43-B143-F11 6638	<b>File - Vanguard SLV-2 (June 26, 1958)</b>	1958 - 1960	Location: Box 143
	<i>Scope and content:</i> Space Activities Summary re the Vanguard satellite launch vehicle (SLV) 2 launch failure. Includes photos re the SLV 2 satellite and launch vehicle; and illustration re the SLV instrumentation, trajectory data, and electronic ground stations.		
SPFL-43-B143-F12 6639	<b>File - Vanguard SLV-3 (September 26, 1958)</b>	1958 - 1960	Location: Box 143
	<i>Scope and content:</i> Space Activities Summary re the Vanguard satellite launch vehicle (SLV) 3 launch failure. Includes photos re the Vanguard SLV 3 launch, and the Vanguard satellite.		
SPFL-43-B143-F13 6640	<b>File - Vanguard II (February 17, 1959) (SLV-4)</b>	1959 - 1960	Location: Box 143
	<i>Scope and content:</i>		

	Contains news clippings and press releases re the use of magnetic shielding metals to improve satellite guidance; wobble of the Vanguard 2 satellite; shutdown of Vanguard 2 radio transmitters; Vanguard 2 infrared photography and cloud cover experiments; use of Vanguard to detect nuclear testing in the Soviet Union (USSR); and Vanguard 2 launch. Includes testimony of John P. Hagen before the House Committee on Astronautics and Space Exploration re the Vanguard 2 launch. Also includes transcript of a press conference re Vanguard 2 cloud cover experiments; "Vanguard Division Satellite Launching Vehicles Operations Plan"; press kit re the Vanguard satellite launch vehicle SLV 4; and preliminary report on the Vanguard 2 satellite by H. Grote and R. Hanel. Includes photos re the Vanguard 2 launch, and William G. Stroud with the Vanguard 2 satellite; and illustration re the Vanguard 2 satellite. Also contains correspondence re Vanguard 2 data utilization.		
SPFL-43-B143-F14 6641	<b>File - Vanguard (SLV-5-April 13, 1959)</b>	1959 - 1960	Location: Box 143
	<i>Scope and content:</i> Press release re the Vanguard satellite launch vehicle (SLV) 5; and Space Activities Summary re the SLV 5 launch failure. Includes photos re the SLV 5 launch, and the Vanguard magnetic field and atmospheric physics satellite.		
SPFL-43-B143-F15 6642	<b>File - Vanguard (SLV-6 - June 22, 1959)</b>	1959 - 1960	Location: Box 143
	<i>Scope and content:</i> Space Activities Summary re the Vanguard satellite launch vehicle (SLV) 6 launch failure; and correspondence re US Army tracking support for the Vanguard SLV 6 launch. Includes photos re the SLV 6 launch, and the SLV 6 Vanguard satellite payload.		
SPFL-43-B144-F1 6643	<b>File - Vanguard III (September 18, 1959) (TV-4bu)</b>	1959 - 1964	Location: Box 144
	<i>Scope and content:</i> Contains news clippings and press releases re the Vanguard 3 satellite magnetic field, cosmic ray, and cosmic dust experiments; shutdown of the Vanguard 3 radio transmitters; and the Vanguard 3 magnetometer. Includes NASA Technical Note TND488 by H.E. LaGow and W.M. Alexander: "Recent Direct Measurements by Satellites of Cosmic Dust in the Vicinity of the Earth". Also includes transcript of an American Rocket Society (ARS) presentation by James P. Heppner re Vanguard 3 magnetic field and cosmic ray experiments. Includes correspondence re the payment of personnel at Vanguard tracking stations in Nigeria and Singapore. Also includes photos re the Vanguard 3 satellite and launch.		
SPFL-43-B144-F2 6644	<b>File - Vanguard Engineering Report</b>	1957	Location: Box 144
	<i>Scope and content:</i> Includes Vanguard engineering report: "Analysis of Guidance, Control, and Stabilization Systems".		
SPFL-43-B144-F3 6646	<b>File - Westar 1 1974-022a 4/13/74</b>	1966 - 1984	Location: Box 144
	<i>Scope and content:</i> Miscellaneous news clippings and press releases the use of the Westar 1 communications satellites to transmit pre-recorded press releases, US Postal Service (USPS) mailgrams, Wall Street Journal layouts, radio and television broadcasts, bank fund transfers, and sports broadcasts. Includes news clippings and press releases re Western Union proposal for satellite telegram services; Westar 1 ground stations; domestic communications services; dispute between American Telephone and Telegraph Company (AT&T) and Western Union Corporation over the Federal Communications Commission (FCC) positioning of Westar satellites; and Westar 1 launch and orbit. Includes Westar 1 press kit. Also includes correspondence re NASA coordination of launch services for Westar satellites; Western Union periodical "Communicator"; and excerpt from the Congressional Record re the 10th anniversary of Westar 1. Includes photos re the Westar 1 satellite and launch.		

SPFL-43-B144-F4 10267	<b>File - Wake Shield Facility (WSF)</b>	1993 - ?	Location: Box 144
<p><i>Scope and content:</i></p> <p>Miscellaneous news clippings and press releases re Wake Shield Facility (WSF) Free-Flying Experimental Platform and the Space Vacuum Epitaxy Center (SVEC); STS 60 mission and technical problems with deployment of WSF. Includes STS 60 press kit; brochure on the Space Vacuum Epitaxy Center (SVEC); and Wake Shield Facility Flight Program patches.</p>			
SPFL-43-B144-F5 15126	<b>File - Wake Shield Facility (WSF)</b>	1994 - ?	Location: Box 144
<p><i>Scope and content:</i></p> <p>Miscellaneous news clippings and press releases re STS 69 and 60 missions technical problems with the deployment of Wake Shield Facility (WSF) Free-Flying Experimental Platform; and STS 69 WSF semiconductor processing experiment. Includes brochure re Space Vacuum Epitaxy Center (SVEC). Also includes photos re STS 60 mission and artist conception.</p>			
SPFL-43-B144-F6 15127	<b>File - Wake Shield Facility (WSF)</b>	1995 - ?	Location: Box 144
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re STS 69 mission Wake Shield Facility (WSF) Free-Flying Experimental Platform semiconductor processing experiment, technical problems with deployment, and communications problems. Includes brochure re Space Vacuum Epitaxy Center (SVEC); and STS 69 press kit.</p>			
SPFL-43-B145-F1 6647	<b>File - Westar 2 1974-075a (10/10/74)</b>	1970 - 1980	Location: Box 145
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re use of Westar 2 communications satellite by Public Broadcasting Service (PBS); live broadcasts of sports events; Westar 2 telecast of Apollo Soyuz Test Project (ASTP) activities; Western Union domestic communications satellite network; Westar 2 launch; and approval for construction of Westar satellites by Federal Communications Commission (FCC). Includes Westar 2 press kit. Also includes photos re Westar 2 checkout and launch.</p>			
SPFL-43-B145-F2 6648	<b>File - Westar 3 (Aug 9, 1979) 72a</b>	1966 - 1980	Location: Box 145
<p><i>Scope and content:</i></p> <p>Contains news clippings re the launch of the Westar 3 communications satellite; NASA launch schedule; and authorization by the Federal Communications Commission (FCC) of Western Union Corporation's Westar satellite system. Includes correspondence re NASA support for Westar launches. Also includes photos re the Westar 3 satellite and launch.</p>			
SPFL-43-B145-F3 6649	<b>File - Westar 4 25 Feb 82/704p Est</b>	1980 - 1989	Location: Box 145
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the use of the Westar 4 communications satellite to transmit educational and Public Broadcasting Service (PBS) programs; Westar 4 launch; and NASA launch schedule. Includes Westar 4 press kits. Also includes photos re the Westar 4 satellite and launch.</p>			
SPFL-43-B145-F4 6650	<b>File - Westar v</b>	1981 - 1982	Location: Box 145
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re Western Union's Westar communications satellites; launch of the Westar 5 satellite; and NASA's launch schedule. Includes photos re the Westar 5 satellite and launch.</p>			

SPFL-43-B145-F5 6651	<b>File - Westar 6 (Replacement)</b>	1984 - 1986	Location: Box 145
<p><i>Scope and content:</i></p> <p>Miscellaneous news clippings re the intent of the Western Union Corporation to launch the Westar 6S communications satellite with the Chinese Long March launch vehicle; and the Westar 6S satellite as a replacement for the Westar 6 satellite.</p>			
SPFL-43-B145-F6 6652	<b>File - Westar 7</b>	1982	Location: Box 145
<p><i>Scope and content:</i></p> <p>Space Shuttle flight assignment manifest and press releases re the launch schedule for the Westar 7 satellite.</p>			
SPFL-43-B145-F7 6653	<b>File - Advanced Westar</b>	1982	Location: Box 145
<p><i>Scope and content:</i></p> <p>Press release re the modification of the Space Communications Company (SPACECOM) contract relinquishing its rights to use the Advanced Westar portion of the Tracking and Data Relay Satellite System (TDRSS).</p>			
SPFL-43-B145-F8 6654	<b>File - Westar VI</b>	1982 - 1993	Location: Box 145
<p><i>Scope and content:</i></p> <p>Contains news clippings and press releases re the re-launch of the Westar 6 communications satellite by the Chinese Long March launch vehicle; repair of the Westar 6 satellite; retrieval of Westar 6 by Space Shuttle STS 51A; and the failure of Westar 6 rocket engines after its launch by STS 41B. Includes correspondence re the status of the Westar 6 faulty orbit. Also includes photos re the STS 41B payload; repair of Westar 6; and extravehicular activity (EVA) or space walk by STS 51A crew members Dale Gardner and Joseph Allen.</p>			
SPFL-43-B145-F9 6655	<b>File - Space Exploration Program Council (1960-1961)</b>	1959 - 1961	Location: Box 145
<p><i>Scope and content:</i></p> <p>Contains correspondence re the origin of the Space Exploration Program Council (SEPC); and SEPC meeting agendas and minutes. Includes presentations to the SEPC: "A Program for Manned Lunar Landing" by George Low; and "Saturn Requirements for Project Apollo" and "Unmanned Exploration of the Moon, Planets, and Interplanetary Space". Includes report: "Saturn Program Scheduling and Funding".</p>			
SPFL-43-B145-F10 9678	<b>File - Wind Satellite</b>	1989 - ?	Location: Box 145
<p><i>Scope and content:</i></p> <p>Contains news articles and press releases re Wind satellite and costs; delays during construction of satellite; delivery of the Wind satellite to the Kennedy Space Center (KSC) by Martin Marietta; first Russian instrument aboard a US satellite; launch; study of solar wind and its effects on earth; study of sun's corona; detection of solar storms; and discovery of an atmosphere around Earth's moon. Includes fact sheets re Wind satellite. Contains correspondence re potential termination of Wind satellite; and Russian gamma ray measurement instrument aboard Wind. Also includes photos re construction of Wind satellite; satellite testing; prelaunch preparations; and launch of Wind satellite aboard a Delta 2 launch vehicle. Includes press kit.</p>			
SPFL-43-B145-F11 18091	<b>File - WindSat</b>	1982 - ?	Location: Box 145
<p><i>Scope and content:</i></p>			

	Press release re WindSat payload integration with Coriolis satellite. Includes Lockheed report re "Atmospheric Multi-User Lidar-Global Wind Measuring Satellite System (Windsat) Compatibility Study." Includes illustration re WindSat.		
SPFL-43-B146-F1 6656	<b>File - Space Expl. Program Council, 1960</b>	1959 - 1961	Location: Box 146
	<i>Scope and content:</i> Contains agendas of Space Exploration Program Council (SEPC) meetings; and memoranda re the establishment of reliability assessment procedures and the Office of Reliability and Systems Analysis. Includes reports to the SEPC: "Saturn Configuration and Capability"; "Saturn Missions: Apollo, Planetary, Lunar, and Advanced Propulsion Development"; "Saturn C-1, C-2 Development, Utilization and Phasing" by John Sloop, A. M. Nelson, George Low, Fred Kochendorfer, Oran Nicks, and Richard Canright; "Saturn Program: Scheduling and Funding"; and "Unmanned Exploration of the Moon, Planets, and Interplanetary Space: Utilization of the Saturn Launch Vehicle".		
SPFL-43-B146-F2 6657	<b>File - Space: The New Frontier (Ep-6)</b>	1963	Location: Box 146
	<i>Scope and content:</i> NASA Educational Publication EP6: "Space ... The New Frontier" re the history of space flight; the solar system; space probes and satellites; unmanned satellites and sounding rockets; unmanned lunar and interplanetary spacecraft; manned space exploration; launch vehicles; the biology of space; and the techniques of space exploration.		
SPFL-43-B146-F3 6658	<b>File - Space Programs - General US &amp; Russian Satellites, Lunar Probes, Space Probes</b>	1957 - 1972	Location: Box 146
	<i>Scope and content:</i> Article by John P. Hennes and Charles V. Fulmer: "Identifying Relevant Scientific Goals in Planetary Exploration". Includes news clippings re feasibility studies of solar power satellites (SPS). Also includes records of all known US and Soviet Union (USSR) space vehicle launches, through August, 1959.		
SPFL-43-B146-F4 6659	<b>File - Space Programs (General)</b>	1958 - 1987	Location: Box 146
	<i>Scope and content:</i> Miscellaneous news clippings re space exploration initiatives outlined in the NASA Report on Leadership and America's Future in Space (Ride Report); evolution of NASA space programs; trends in the US space program; and recommendations of the National Research Council for planetary exploration programs. Includes speeches by Thomas Dixon, R.P. Young, and Robert Seamans re US objectives in space and the national space program. Also includes article by Hugh Dryden: "US Civilian Space Flight Program". Includes brochures re NASA and its vision of space exploration. Also includes report of the House Committee on Science and Astronautics: "The Practical Values of Space Exploration".		
SPFL-43-B146-F5 12669	<b>File - Interplanetary And Solar Probes - General</b>	1966 - 1976	Location: Box 146
	<i>Scope and content:</i> Contains mission summaries re interplanetary and solar probes; ISIS satellites; Interplanetary Monitoring Platform (IMP) satellites; Explorer satellites; and Sunblazer probe.		
SPFL-43-B147-F1 5121	<b>File - Space Probes (General)</b>	1960 - 1997	Location: Box 147
	<i>Scope and content:</i> Contains news clippings, press releases, and correspondence re planetary and solar exploration; faulty antenna on the Galileo spacecraft; NASA current space exploration projects; spacecraft design; recommendations of the NASA Solar System Exploration Committee; and FY1983 NASA budget		

	cutbacks in planetary exploration. Includes photos re space probes and payloads; and poster: "Ten Years of Planetary Exploration".		
SPFL-43-B147-F2 5122	<b>File - Lunar &amp; Interplanetary Probes</b>	1959 - ?	Location: Box 147
	<i>Scope and content:</i> Contains news clippings, articles, and press releases re NASA planetary and lunar exploration projects; design of spacecraft for planetary exploration; Mars Observer, Pioneer 10 and 11, and Voyager 1 and 2 probes; recommendations of the NASA Solar System Exploration Committee; and setbacks to NASA's planetary exploration projects. Includes testimony before the House Subcommittee on Space Science and Applications re planetary exploration; "Astronomy" magazine: "Space Probes for the 80s and 90s"; and reports: "NASA Small Planetary Mission Plan Report to Congress", "Lunar Exploration Modes", "Sun-Synchronous Orbits and Their Applications", "Description of Recoverable Emulsion Experiment", "Description of Lunar Probe P(14)", and "STS Launch Alternatives for Planetary Programs". Also includes Project Approval Documents (PAD) re the Planetary Exploration Program; notes re a presentation on lunar exploration; and correspondence re planning for planetary exploration.		
SPFL-43-B147-F3 6661	<b>File - Sats &amp; Probes (General)</b>	1959 - 1969	Location: Box 147
	<i>Scope and content:</i> Goddard Projects Summary: Satellites and Sounding Rockets re Goddard Space Flight Center (GSFC) launches, 1959-1963. Includes NASA program review document: "Communications & Navigation Programs, 1965". Includes "Technology Review" magazine re lunar and planetary exploration.		
SPFL-43-B147-F4 6662	<b>File - Astrolog</b>	1962 - 1968	Location: Box 147
	<i>Scope and content:</i> Logs of NASA satellite and probe launches, 1968; and "Astrolog" periodicals re current status of US missile and space programs.		
SPFL-43-B147-F5 6663	<b>File - Space Programs, General - The National Space Program</b>	1962 - 1970	Location: Box 147
	<i>Scope and content:</i> Miscellaneous news clippings re the US space program in the 1970's; studies of in-orbit repair of satellites; space exploration in literature; shift of emphasis in US space program from manned to unmanned space flight; and NASA launches in 1963. Includes NASA Educational Publications EP25 by Edgar Cortright: "Space Exploration-Why and How", and EP6: "Space...The New Frontier". Includes NASA semiannual report of activities, January through June, 1962. Also includes speech by D.D. Wyatt: "The National Program for the Exploration of Space"; and speech by James E. Webb re national pre-eminence in space. Includes reprint of "Aviation Week and Space Technology" and news clippings re NASA manned space flight, space sciences, research and technology, space applications, tracking and data acquisition, and procurement activities.		
SPFL-43-B147-F6 6664	<b>File - Space Flight Programs (NASA 4/1/60)</b>	1960	Location: Box 147
	<i>Scope and content:</i> Report from the Office of Space Flight Programs re NASA manned space flight, space sciences, and space applications.		
SPFL-43-B148-F1 6678	<b>File - Table Of Earth Satellites</b>	1957 - 1969	Location: Box 148
	<i>Scope and content:</i> Royal Aircraft Establishment "Table of Earth Satellites": Volume I, 1957-1968, and Volume 2, 1969 re tables listing earth satellite launches, spacecraft characteristics, and orbital characteristics.		

SPFL-43-B148-F2 6679	<b>File - Lunar Space Programs</b>	1960 - 1964	Location: Box 148
<p><i>Scope and content:</i></p> <p>Miscellaneous news clippings and press releases re NASA unmanned lunar exploration projects and progress towards a manned lunar landing; Ranger Project and Surveyor Project contributions to the Apollo Program; Johnson Administration and Congressional lunar exploration goals; lunar features; and funding for unmanned lunar exploration. Includes the Associate Administrator's Advanced Study Review: "Lunar Studies". Also includes paper re lunar spacecraft guidance and control requirements; and speech by Newton Cunningham: "NASA Lunar Exploration Program".</p>			
SPFL-43-B148-F3 6680	<b>File - XII Programs: Space Project Directory</b>	1961	Location: Box 148
<p><i>Scope and content:</i></p> <p>NASA "Space Project Directory" re a glossary of NASA space exploration project and program titles; program management and principal contractors; and general project information.</p>			
SPFL-43-B148-F4 6692	<b>File - Planetary Space Programs</b>	1962 - 1965	Location: Box 148
<p><i>Scope and content:</i></p> <p>Miscellaneous news clippings and press releases re the Voyager Project; Mars exploration; studies of life on Mars; planetary exploration; and possible manned probes of Venus and Mars. Includes NASA program review document: "Lunar and Planetary Programs"; speech by Oran Nicks re NASA lunar and planetary exploration programs; and brochure; "The Challenge of Space Exploration" re spacecraft requirements, celestial mechanics, space environment, guidance and tracking, and manned space flight.</p>			
SPFL-43-B148-F5 6693	<b>File - Space Sciences</b>	1963 - 1985	Location: Box 148
<p><i>Scope and content:</i></p> <p>Miscellaneous news clippings re space sciences; large versus small spacecraft for space exploration; applications of satellites, and solar and planetary exploration; and space telescopes. Includes paper by Robert Jastrow: "Results of Experiments in Space"; "Data" magazine re NASA satellites and space sciences; and speech by Edgar Cortright: "Scientific Spacecraft".</p>			
SPFL-43-B148-F6 6694	<b>File - Photos</b>	1958 - 1970	Location: Box 148
<p><i>Scope and content:</i></p> <p>Miscellaneous photos and illustrations re space probes and satellites; space station concepts; Atmospheric Structure Satellite; Aerobee sounding rocket; and the solar magnetic field and solar wind.</p>			