Archives Guide:

Doing Research in the Jet Propulsion Laboratory Archives

Revised May 30, 2019
CL#10-1085
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Contact Information

Phone: Library Reference Desk  818-354-4200
Email: archives@jpl.nasa.gov
Catalog: https://beacon.on.worldcat.org/advancedsearch
(Limit search to JPL Archives, or include Main Library.)


JPL Internal DocuShare library: https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-96654
Log in with JPL username and password

The JPL Records and Archives Group (319G) and JPL Library Group (319F) are part of the same organization – the Enterprise and Information Systems Engineering Section (319) – and are located in the same building (111). The Library reference staff handles some requests for archival materials and forwards others to Archives staff. When Archives and Library collections contained duplicate materials, several of them were combined and are now housed in the Special Collections room. Notes below will indicate when hard copies are available.

The Application Process

After consulting with a member of the reference staff, you may be asked to read the Rules for Access to the JPL Archives, then fill out the Application for Access to Archival Material. Links to both forms can be found at https://libguides.caltech.edu/JPL/archives/about-the-archives

When submitting the form, it usually works best to fill out the PDF, save it to your hard drive, then attach to an email.

The application can also be filled out as a hard copy and photographed or scanned, then sent as an email attachment to archives@jpl.nasa.gov or faxed to 818-393-6752 or mailed to: JPL Archives
MS 111-113
4800 Oak Grove Dr.
Pasadena, CA 91109-8099
FOIA

Cataloged records are primarily available for research use by JPL and NASA personnel and contractors. Some requests from the public must be submitted as Freedom of Information Act (FOIA) requests, but this depends on the materials being requested. Please email the Archives or call the Reference Desk first, and you will be notified if a FOIA request is necessary.

For more information about the FOIA process, please see the JPL FOIA web page. http://www.hq.nasa.gov/office/pao/FOIA/jpl/index.htm

Long distance research

Not all research requires a visit to the Archives. Many documents can be requested and delivered by email or regular mail. You may search the online catalog and web pages to view document and collection descriptions, finding aids, and indexes. (See the How to Find web page for links to finding aids in various subject areas. https://libguides.caltech.edu/jpl/archives/how-to-find-archives) Select specific folders or documents and place a request by email.

The Review Process

Documents that have already been cleared for unlimited public release can be provided immediately. Others will be submitted for review and clearance. This process can take several weeks or months, depending on the number of items requested and the size of the document review queue when your request is submitted.

Photo Requests

Photo reproduction is available. Photos can be scanned and electronic files sent by email. Contact the Archives for assistance.

Fees

Fees may apply for document scanning or photo scanning (depending on whether the negatives are held by the JPL Archives or the JPL Photolab). Contact the Archives for more information.
On-site research

Public Visitors

Visits from the public require several weeks or months of advance notice, depending on the complexity of the request. Non-U.S. persons must allow extra time since all materials must be reviewed and cleared for unlimited public release before a visit.

U.S. persons may view JPL documents and take notes, but may not receive copies of documents until they are reviewed and cleared for public release. U.S. citizens must have a current driver’s license or an official photo I.D. issued by a government agency or business/educational entity. Foreign Nationals must possess their passport and visa to gain access to JPL. Failure to show the required I.D. upon arrival at JPL can result in denial of entry.

Archives and Library hours:

7:30-4:45, Monday through Friday

JPL employees – please call or email before coming in. Some archival records are stored off-site, and it takes a day or two to retrieve them.

Closed on all JPL holidays

<table>
<thead>
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<th>2019</th>
<th>2020</th>
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<td>January 1, 21</td>
<td>January 1, 20</td>
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<td>February 18</td>
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<td>May 27</td>
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<td>July 4-5</td>
<td>[July 3?]</td>
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<td>September 2</td>
<td>September 7</td>
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<td>November 28-29</td>
<td>November 26-27</td>
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<td>December 25-26</td>
<td>December 24-25, 31</td>
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Closed every other Friday (Regular Day Off). RDO is on Thursday when a holiday falls on Friday.

<table>
<thead>
<tr>
<th>2019</th>
<th>2020</th>
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<tbody>
<tr>
<td>January 4, 18</td>
<td>July 3, 19</td>
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<tr>
<td>February 1, 15</td>
<td>August 2, 16, 30</td>
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<td>March 1, 15, 29</td>
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<td>November 8, 22</td>
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<tr>
<td>June 7, 21</td>
<td>December 6, 20</td>
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Location:

**JPLers** – If you’re notified that archival materials you requested are ready for use, go to the Library circulation desk in the west end of building 111 (room 104).

Directions to JPL:  [http://www.jpl.nasa.gov/about_JPL/maps.cfm](http://www.jpl.nasa.gov/about_JPL/maps.cfm)

4800 Oak Grove Drive
Pasadena, California 91109

When you arrive at the first Security checkpoint, let the guards know you have an appointment to meet with the Archivist.  Continue north on Oak Grove Drive, then park in the visitor parking lot.  Walk across the street and check in at the Visitor Center, and your escort will be notified that you have arrived.  JPL is located in the foothills of the San Gabriel Mountains.  Please be prepared for walking and stair climbing.  Please notify the Archives staff in advance if you have impaired mobility or if disabled parking is required.

**Copies**

Archival materials may not be checked out, but tell the Archives or Library staff if you would like to get copies.  Archival copying is not self-service.

Photo reproduction is available.  JPL employees should place their orders directly with the Photolab.  Public requests and employee requests for personal use will go through the Archives.

**Fees**

Some fees may apply to cover the costs of photocopies or photo reproduction/scanning.  Contact the Archives for more information.
History of JPL

JPL is a federally-funded research and development center (FFRDC) managed by the California Institute of Technology (Caltech) for the National Aeronautics and Space Administration (NASA). As NASA’s lead center for deep space exploration, JPL is responsible for the unmanned planetary missions of the United States. JPL’s contributions to the exploration of the solar system include participation in Earth-orbital projects and experiments, as well as studies of stellar systems and extra-solar system bodies. JPL also had a role in support of early lunar missions. Other sponsors for whom JPL has performed work are the Department of Defense, the Federal Aviation Administration, and the Department of Energy.

JPL’s history dates to the 1930s, when Caltech professor Theodore von Kármán oversaw a series of early rocket experiments and persuaded the Army to fund development of JATOs (jet-assisted take-off rockets). The Army helped Caltech acquire land in the Arroyo Seco for test pits and temporary workshops. JPL developed several different unguided and guided missiles under contract with the Army. This early work in communications and control, design, and testing made it possible for JPL to develop flight and ground systems and then to fly the first successful U.S. space mission, Explorer 1, on January 31, 1958.

On December 3, 1958, two months after NASA was created by Congress, JPL was transferred from Army jurisdiction to that of the new civilian space agency.

JPL History public web pages  http://www.jpl.nasa.gov/about/history.php (Overview, links)
JPL Missions public web page  http://www.jpl.nasa.gov/missions/ (Past and current)
Annual Reports, 1965-2016  https://www.jpl.nasa.gov/about/reports.php
What kinds of records can be found in the JPL Archives?

The JPL Archives preserves records created and collected by JPL, from pre-NASA rocket and missile work beginning in the 1930s continuing through NASA unmanned missions to the planets. There are records of instruments designed, built, and managed by JPL that flew on space shuttles and other spacecraft. There are records about Earth observing missions, the Deep Space Network, and JPL’s supporting role in the early lunar manned missions. There are also records from the Director’s office, upper management, and various administrative offices.
Collections

Archival collections have been created and collected by individuals, projects, and offices. They may include reports, documents, correspondence, subject files, meeting minutes, presentations, notes, and other types of records that are not retained in other repositories, but that are valuable in preserving the history of a project or a person’s work.

Descriptions of archival collections are found in the online catalog.

You can go directly to the catalog at https://beacon.on.worldcat.org/discovery

Or … use the combined Archives Search web page at http://beacon.jpl.nasa.gov to search both the Archives and Library catalogs or go to the same Advanced Search.

Select “Advanced Search” for more options. https://beacon.on.worldcat.org/advancedsearch
Limit your search to archival materials by checking the “Jet Propulsion Laboratory Archives” box.

Each catalog record describes a single document, a photograph, or a collection of records. For a collection, the call number or collection number will be in the following format: JPL123.
Many catalog records include a link to a finding aid (PDF file) that describes the contents of the collection in greater detail. There may be a folder listing or a box listing, and selected items may be described in more detail than others. The files have been OCR’d so you can search the full text of the finding aids.

Finding aids can also be found in the public DocuShare library: https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-113

Do a full text search of all the documents within all folders at the same time (including their metadata) or open a specific folder to limit the search to that folder. Search collection descriptions, key words in document titles, author names, document numbers, etc.
If you wish to request a document found in a finding aid, please make a note of the collection number and folder number, if available (JPL123, folder 51) and contact the reference desk. If there is no PDF finding aid, the catalog record contains the most detailed description available for that collection, usually to the box level. Request the records by collection and box number.

Single documents

The History Collection

The History Collection is a large set of documents collected by the JPL Historian in the 1960s and 1970s. The documents are indexed and cover a variety of topics pertaining to the origins and development of JPL; Army Ordnance projects such as Private, Corporal and Sergeant; NASA programs including Ranger, Surveyor, and Mariner; and other JPL activities. Document types include memos, letters, reports, articles from magazines and technical journals, and documents published by NASA and other U.S. government agencies relating to work done at JPL. Most of the documents are from the 1930s to the 1970s, with some recent additions to the collection dating to the present.

Call numbers for History Collection documents are in this format: 2-1234B.
Each History Collection document is described in a separate catalog record.

A portion of the History Collection has been added to the online catalog
https://beacon.on.worldcat.org/discovery or https://beacon.jpl.nasa.gov

Until this cataloging project is completed, you should also search for these documents in the History Collection Index

There are three different versions of the index to the History Collection. You can scroll through the indexes or search them using Acrobat Reader. The OCR process contained some errors because of the poor quality of the scanned computer printout, so you may not see all possible results in a search.

Subject/Author Index:
Arranged by subject and author’s last name.
Often the most useful for researchers.
May use abbreviated document titles. (PDF File, 72 MB)
Date Index:
Arranged by document date. 
May use abbreviated document titles. (PDF File, 12 MB)

Master Index:
Arranged by document call numbers. 
Includes full title, author, and date. (PDF File, 30 MB)
The Master Index also includes a "How to" document for the History Collection.

History Collection call number prefixes:
1 – International Law and Space Exploration (Removed from collection)
2 – Ranger Mission
3 – JPL History
4 – Science and Technology
5 – History of Astronautics
6 – Surveyor Mission
7 – Deep Space Network
8 – Mariner Missions
9 – Lunar Orbiter
10 – Grand Tour
11 – Space Science
12 – Prospector
13 – Voyager (Mars Mission)
14 – Viking Mission
15 – Added to the collection 2002-2004
16 – Added to the collection 2006-Present
Publications of the Jet Propulsion Laboratory  
(Also known as the JPL Bibliographies)

The JPL Bibliographies are compilations of citations and abstracts for official JPL technical reports and open literature journal articles dated 1938-1992. They contain both internal and cleared documents, and are arranged by author’s last name.

1938-1979 bibliographies (39-1 through 39-21) include a subject index at the end of each document. 1980-1992 (39-22 through 39-33) contain no subject index.

This set of Bibliographies has been scanned and converted to PDF.  
https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-186

You can use the Acrobat "Find" function in any of the bibliographies -- they have been OCR'd and most of the text is searchable.

Records

JPL Records and the JPL Archives work together to provide publications and internal documents to JPLers and outside researchers. Many numbered JPL reports and other records from the 1940s and 1950s are on microfilm in the Archives. Archives or Records staff will scan the microfilm and create PDF files of documents upon request. The Archives has provided several series of technical reports to Records for scanning and hard copies may also be available in the Archives or JPL Library.

JPL Publications 1977 – 2004  
Deep Space Network Progress Reports  
Telecommunications and Data Acquisition Progress Reports  
Technical Memoranda  
Technical Reports  
Space Program Summaries

The Records online catalog (eDIMS) is available to JPL internal customers only.  
(Formerly known as the Vellum File, or Engineering Document Services.)  
https://plmsoa.jpl.nasa.gov/adf96-infra/DIMS/faces/Home#ignore_backspace  
Log in with JPL user name and password.

If you're logged in to eDIMS, and see this symbol, you can download a PDF file.  
If an eDIMS record has no PDF attached, contact Records (4-4357).

Non-JPL researchers should contact the Archives to request PDF documents.
Photographs, 1930s to 1980s

There are approximately 350,000 images in the Archives collections.

Historical Photo of the Month
https://libguides.caltech.edu/JPL/archives/how-to-find-archives/hpom

The Historical Photo of the Month blog features historical images and provides more detailed information than is usually available in the Photo index. Comments may be emailed to archives@jpl.nasa.gov. JPL employees and retirees are encouraged to send comments, if they can help identify people, places, and projects.


The default sort is by title, and each title begins with a photo number, if available. The photo numbers sort in alphabetical order, not numerical. (P-3270, P-32904, P-335, P-36, etc.)

- “View Images” to see thumbnails
- View “Properties” to see full caption, which includes the file name/format and image size, with a detailed caption, if available.

“Show All” to see all Historical Photos at once

“View List” and click on the “Cover Date” column heading to sort by the date of the photograph, oldest to newest.

 Searches are not case sensitive, but words do have to be spelled exactly as they appear in the photo metadata (or use * for wildcard searches).

Clicking on the title of a photo will bring up an image file. Clicking on the thumbnail will bring up the same image file. You may need to click on the image again to bring it to full size.

Right click to copy or save the image.

Sizes and file formats may vary, depending on when the photos were scanned. Contact the Archives staff to request the same image at a higher resolution.
Photo Albums

Please read and follow the JPL Image Use Policy  http://www.jpl.nasa.gov/imagepolicy/

Many of our photos are found in a set of large photo albums that have been digitized and converted to PDF. There is a typed index that lists the photograph number, date the photo was filed in the JPL Photolab, and a brief description. Each PDF album contains several index pages at the end of the PDF file, covering the images in that set of pages. At this time, the albums are for JPL internal use only.

There are also separate “Index Only” PDF files that are available to the public.

See the Guide to JPL Photo Collections (Appendix A of this document) for more information about the photo album collection, photo numbers, how to find images about specific topics, and restrictions on use. Contact an archivist for assistance in locating photos.

https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-119471  Photo Albums
(JPL Internal)  Log in with JPL username and password.
https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-188  Photo Indexes (Public)

Other Photos not in Albums

In the mid-1970s the Photolab stopped mounting proof prints in albums, so there are several large collections of photos that are not included in the online photo albums, such as P-numbered photos from 1975 to the late 1990s. Galileo and Voyager images are not in photo albums but some have been individually scanned and added to the internal DocuShare library.

Requests from the public - contact the Archives staff for assistance.

Archives Exhibits

https://beacon.jpl.nasa.gov/archives/  (Coming soon)

The Archives staff has created several online exhibits: Historical Images of Voyager’s Grand Tour; Faces of Leadership: The Directors of JPL; Explorer 1 Oral History Interviews; Going Green; and the Explorer 1 60th Anniversary. The web page for these exhibits is currently being redesigned.

All images in these exhibits are cleared for unlimited public release and may be downloaded. Contact the Archives if you need higher resolution electronic files.

Archival Collections

Many archival collections contain photos. When searching in the catalog, include “photograph” as a subject term or key word, along with a project name or other search terms.
Film and Video

JPL Moving Image Collection, 1940 – 2017, JPL246 (1,000+ 16mm films)

A full list of film descriptions is available in the public DocuShare library.

Some of these films have been converted to digital video and are available from the JPL online video catalog
They can be purchased through JPL’s video vendor.

JPL Projects Video Collection, 1970-1997, JPL218
Contact Archives staff for more information

Oral History Interview Transcripts

The Archives has more than 100 oral history interviews in the online catalog. Some are available for JPL internal use only, and others have been reviewed and cleared for public release.

Search for interviewee’s name or a subject term, plus the word “interview”

If cleared for unlimited public release, they can be distributed to the public. To request a transcript, contact the Archives and provide the interviewee name and interview date.

Microfilm Index

Many JPL records were microfilmed in the 1960s and the microfilm is now located in the Archives. You can find microfilm indexes in the public DocuShare library.
https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-189

Section 614 contains the JPL Central Files. Until about 1960, JPL was small enough that most records were filed in a central location, in the custody of the Technical Information Section (614). Starting in 1960, many of the Central Files were microfilmed.

Contact the Archives to request PDF files of documents listed in the index.
Various small collections

Employee newspapers and indexes
https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-119480
  JPL internal only – log in with JPL user name and password

Galcit-Ear, 1944 – 1945 (occasional)
  Issues are JPL Internal
  Hard copies in JPL Library
  No index

Lab-Oratory, 1951-1976 (monthly, bimonthly)
  Issues are JPL Internal, indexes are public
  Hard copies in JPL Library
  PDF files of full issues are in bravo-lib (Docushare), by year
  Lab-Oratory Indexes - Public
    1951-1976
    https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-191

Universe, 1970 – Present (bimonthly, biweekly)
  Issues are JPL Internal, indexes are public
  Hard Copies in JPL Library
    1970 - 1998, bound
    1999 and later, unbound
  PDF files of full issues are in the bravo-lib (Docushare), by year
    1977-2015
  Universe indexes – Public
    1970-1999
    https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-191
    1999–present is currently being indexed. Contact the Archives.

Telephone Books/Directories

Full Galcit and JPL telephone books are for JPL internal use only.
Non-JPL researchers should contact the Archives for information about people or organizations.

Galcit Telephone Directories
  1945-1946
  Hard copies in Library

JPL Telephone Directories
  December 1962-2010, incomplete. Hard copies in Library
  https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-114510

Caltech Telephone Directories
  1949 – 2007, incomplete. Hard copies in Library
Personnel Charts/Organization Charts

There are three types of charts in this collection. Laboratory Charts show the overall organization of the Lab. Personnel charts name all personnel in an organization. Organization charts name only the managers of an organization, down to the Section Manager or Group Supervisor. The finding aid to the collection includes a list of all the organizations and dates of the charts. Links to PDF files of the actual personnel and organization charts are for JPL internal use only, unless the charts are cleared for public release.


https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-115926 Charts - JPL internal

Historical Biography Collection

The Archives has a collection of biographical material for several hundred JPL employees. Folders may include resumes, promotion announcements, and newspaper articles (JPL or local news). A list of names included in the collection can be found in the online catalog. Non-JPL researchers contact the Archives for assistance.


Obituaries

A collection of obituaries has been converted to PDF format and is arranged alphabetically by last name. The collection was compiled from Lab-Oratory, Universe, and outside news sources. Non-JPL researchers should contact the Archives for assistance.

https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-113708 JPL internal only
Maps

Maps of the JPL site and selected off-Lab locations can be found in a variety of sources.
Public Map, 1964
https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-236
JPL Internal – Maps, selected dates
https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-117927
History Collection – see the index
Photo albums (JB and P prefix)
Telephone books included Lab maps, beginning in 1964.  JPL internal only
https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-114510

News Clips

Starting in 1959, JPL collected newspaper clippings related to the work done at the Lab.
October 1959 – 1997  Hard copies in Library

JPL Annual Reports

1965-1996, Hard copies in Library

JPL Highlights are similar to annual reports
1978-1987, Hard copies in Library

NASA Special Publications about JPL Missions

NASA Special Publications
Hard copies in Library
Online at http://history.nasa.gov/publications.html

NASA Historical Data Books
Hard copies in Library
Online at http://history.nasa.gov/series95.html  (NASA SP-4012)
Suggested Resources for Selected Topics

The JPL Archives contains a wide variety of collections. We also refer researchers to other JPL and non-JPL web sites that contain information not found in the Archives. The How to Find web pages contain some of the archivists' suggestions for the most useful resources for specific types of requests:

http://beacon.jpl.nasa.gov/how-to-find

Look for information about:

- JPL Documents
- People
- Organizations
- Missions
- Pre-NASA Projects (Propellants, JATOs, Missiles)
- Buildings and Facilities
- Photographs
- Film and Video

Includes links to online resources
Catalog Search Tips

The JPL Archives online catalog is part of the JPL Library Catalog.

http://beacon.jpl.nasa.gov/searching-beacon

http://beacon.worldcat.org/advancedsearch

See page 10 for search tips.
Searches may be limited by selecting a library: “Jet Propulsion Laboratory Main Library” or “Jet Propulsion Laboratory Archives”. The default is “Jet Propulsion Laboratory Library” (which means “All”). The catalog contains bibliographic information about historical documents and collections that are available for research use. Records are inventoried to the document, file folder, box, or collection level.

Archives Search is a web page with combined search capabilities: the Archives catalog, full text of finding aids, cleared photographs (captions and metadata), cleared documents (full text and metadata), internal photos, and internal documents.

http://beacon.jpl.nasa.gov/archives-search

Catalog Search

- Search descriptions of collections, single documents, photographs, and oral history interviews
- Regular or Advanced Search
- Links to collection container lists and inventories (PDF)

Many catalog records include links – to finding aids in PDF format and to photographs.

Advanced Search

Limit to = JPL Archives, rather than Library and Archives
Dates 1940-1945 (1940 through 1945, including those years) Works better for collections than single documents.
DocuShare Library Searches

Public
https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-113
No login needed.

Contains finding aids, the Archives Guide, and the Finding Historical Information handout. Search full text of PDF finding aids and indexes – a combined search or one folder at a time.

Images
https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-115
These images are cleared for public release. This folder includes all past Historical Photos of the Month and other cleared and released photos.

“Show all” to see the entire collection of photos at once. Click on “Cover Date” to sort by date (oldest to newest) or click on “Title” to sort by photo number. The photo numbers sort in alphabetical order, not numerical. (P-3270, P-32904, P-335, …)

“View Images” to see thumbnails. View “Properties” to see captions.
Links to JPL resources

Photo Lab  [http://photolab/](http://photolab/) JPL internal use only
EDIMS  [https://ocio-soa.jpl.nasa.gov/DIMS](https://ocio-soa.jpl.nasa.gov/DIMS) JPL internal use only
JPL Annual Reports 1997-2008  [http://www.jpl.nasa.gov/about/reports.cfm](http://www.jpl.nasa.gov/about/reports.cfm)
JPL History  [http://www.jpl.nasa.gov/about/history.cfm](http://www.jpl.nasa.gov/about/history.cfm)
This Week, JPL internal use only
  2009-Present  [https://js.jpl.nasa.gov/Pages/JplSpaceDailyPlanetThisWeek.aspx](https://js.jpl.nasa.gov/Pages/JplSpaceDailyPlanetThisWeek.aspx)
Universe, JPL internal use only

Links to resources outside of JPL

NASA History  [http://www.nasa.gov/topics/history/index.html](http://www.nasa.gov/topics/history/index.html)
NASA History Division  [http://history.nasa.gov/](http://history.nasa.gov/)

National Space Science Data Center (Mission Information)  [http://nssdc.gsfc.nasa.gov/](http://nssdc.gsfc.nasa.gov/)
Appendix A

Guide to JPL Photo Collections

The photos are arranged by organization/category. Most of the photos have a two-part photo number such as 291-1234. The prefix indicates the organization number (Section 291) and the second part is a consecutive number assigned as photos were added to the JPL Photolab’s files. Photographs with a section number prefix generally show work done by that organization (missiles, parts, testing, spacecraft assembly), and some “people” photos. P-numbered photographs captured launch/encounter events, groups, portraits, social activities, visitors, and publicity.

Most of the photo albums have been digitized and are available to JPL internal customers only at https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-119471 (Log in with JPL username and password.)

https://library.jpl.nasa.gov/photos/photos.html

Because organization numbers may have changed several times over the years (“Previously Section …”) some photo album pages have “old” section numbers written underneath the photos. When ordering from the Photolab, use the first section number listed below (151 rather than 111). The correct section number is also found in the PDF file name.

For many sections, the photo numbers on scanned index pages (Index Only) are higher than the photo numbers on scanned photo album pages, because the Photolab stopped mounting photos in albums in the 1970s. If a description in the index is of interest to you and there is no photo, please contact the Archives for assistance. Some unmounted photos have been scanned (230 Galileo, 260 Voyager, and P-numbered photos 1975 and later).

For photos dated later than 1986, see the Photolab online catalog (Internal), public web pages, or contact the Archives for assistance.

Restrictions on Use:

The photo album PDF files are for JPL internal use only. Specific images which have already been used in an external publication or a publicly available web site, or cleared for public release, may be distributed without restrictions. (Contact the Archives for assistance.) All other images MAY NOT be further distributed to non-JPL friends or colleagues, or to foreign nationals without first being reviewed and cleared for unlimited public release.

There is also a collection of photo album indexes in PDF format. They list the photo number, date the photo was filed (not necessarily the exact date it was taken) and a brief description of the photo. Because they are finding aids only and do not include the images, these may be used by the public. The indexes have been OCR’d so most of the text is searchable. Use the Find or Search function in Acrobat Reader to search for names or key words.

https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-188

Viewing tips:

Each photo album file contains photo album pages, with corresponding photo index pages at the end of the file. Some of the PDF files contain links, so that you can click on a photo to jump to the index and click on the index to jump back to the photo album page.

Another way to browse through the albums is to open a file twice, reduce the size of each window, and place them side by side so you can look at the album and index at the same time.
Section 6
1-1466
August 1942 – October 1959
Motor testing, liquid propellants, solid propellants, test pits, diagrams and photos from various reports/publications/journals, test equipment, ramjet, buildings, corrosion tests, thermo electronic engine.

Section 12
1-821
December 1948 – September 1959
Corporal, Sergeant, parts, electronics, drawings, schematic drawings, function charts, test results, vehicles, launchers.

Section 21
1 – 68
August 1956 – December 1958
(Index Only, 1 – 72, August 1956 – April 1960)
Sergeant, test and recording equipment, analog computers, schematic drawings.

Section 26
1 – 161
January 1959 – February 1960
(Index Only, 1 – 162, January 1959 – February 1960)
Juno, Sergeant, Vega, Sperry, testing, Deal III (Explorer), subcontractor parts, electronics, Environmental Test Laboratory, drop testing.

Section 39
No Photo Album
(Index Only, 1 – 15, March 1959 – May 1959)
“Dr. Richter Personal Section”, Minitrack, Microlock, DSN, tracking.

Section 151 (Previously Section 111)
1 – 3118
March 1963 – January 1978
(Index Only, 1 – 3123, March 1963 – March 1984)

Section 170
1 – 1174
April 1971 – July 1978
(Index Only, 1 – 3994, April 1971 – October 1985)

Section 171
No Photo Album
(Index Only, 1 – 1591, June 1979 – March 1985)
Low-Cost Solar Array (LSA), photovoltaics, site tests, Test Bed Concentrators (TBC), Edwards Test Station, FPUP, Stirling engine, Rankine engine, Brayton engine, Parabolic Dish Test Site (PDTS), solar steam engine, Solar Thermal Project, solar salt pond, Department of Energy, ORC, displays.

21
1 – 72
August 1956 – April 1960
Sergeant, computers, data recording, diagrams, circuits

211
1 – 4970
December 1961 – January 1975
(Index only, 1 – 6095, December 1961 – April 1985)

230
No Photo Album (Some images have been scanned. Contact Archives for assistance.)
1 – 33
April 1978 – January 1979
(Index Only, 1 – 1699, April 1978 – May 1986)
Galileo

231
1 – 833
April 1962 – October 1976
(Index Only, 1 – 1011, April 1962 – September 1979)

241
1 – 301
October 1966 – August 1977
(Index Only, 1 – 319, October 1966 – August 1977)
Mariner Mars 1969, Cape Canaveral, Air Force Eastern Test Range, scan platform, propulsion, antennas, solar panels, Mariner Mars 1971, mockups, instruments, tests, assembly, line drawings, meetings, people with spacecraft, presentation slides, Mars, mosaics, globe.

251
(Index Only, 1 – 264, September 1965 – May 1986)
Deep Space Network, Mariner, simulator, models, drawings, artwork, Pioneer.

260
No Photo Album (Some images have been scanned. Contact Archives for assistance.)
(Index Only, 1 – 1838, August 1965 – May 1986)
Voyager

271
1 – 2746
October 1966 – May 1986
Mariner Mars 69, Seasat, IRAS, MGCO, Voyager, NVRM, Venus Radar Mapper, Magellan, IPAC Building.

291 (Previously Section 311 and 14)
1 – 5573
December 1947 – August 1976
Wind tunnels (12” and 20”), Corporal, valves, motor testing, liquid propellants, Doppler trailer, tracking, telemetering, Codorac, Motorola photos, Sergeant, Explorer, Project Deal, Juno, Goldstone (GTS/DSIF), Vega, Ranger A, various project flight schedules, Mariner A, Prospector, Apollo, Mariner Mars 1969, Mariner Mars 1971, Univac, Comet Enke.

292 (Previously Section 313)
1 – 594
January 1960 – May 1977
Ranger, Surveyor, RCA photos, Mariner, STA tasks, Civil Systems, Capsule System Advanced Development (CSAD), Automated Lunar Studies (ALS).

293 (Previously Section 314, 28, 15, 20, and 11)
1 – 9200
January 1944 – July 1976

294 (Previously Section 315)
1 – 1373
June 1961 – 1976
(Index only, 1-1440)

312
1 – 200
June 1961 – December 1971
Trajectories, portraits, Mariner 2, Mariner 4, Mariner 1969, Voyager (to Mars), computers.

316
1 – 1693
December 1961 – May 1973
(Index only, 1 – 1860, December 1961 – May 1986)

317 (Previously Section 372 and 20)
1 – 204
August 1956 – January 1963
(Index only, 1-366, August 1956 – February 1986)
Sergeant, testing/analysis, computers, Mariner, org charts, Viking, Space Flight Operations Facility (SFOF), IRAS.

318 (Previously Section 376)
1-1004
February 1964 – October 1974
(Index only, 1 – 1149, February 1964 – August 1976)
Central recording, SFOF Bldg 230, mission operations, computers, communications, data handling
equipment, Voice Frequency Telegraph Group (VFTG), STL, visitors, VIPs.

320
1 – 344
November 1960 – August 1974
(Index only, 1-347, November 1960 – May 1984)
Instruments, Moon, Ranger, Surveyor, Mount Wilson, STA, Mariner Mars 71, Viking
321 (Previously Section 1)
1 – 915
January 1945 – July 1977
(Index only, 1 – 1047, January 1945 – March 1985)
Missiles, Private A/F, Sergeant, WAC Corporal, Ramjet, wind tunnels, Schlieren photography, PR photos,
Loki, propellants, Explorer, Pioneer, Surveyor, Mariner Mars 71, Moon, Ranger, meteorites, Table
Mountain, Viking, imaging, cameras, TV systems, MVM73, MJS77, charge couple devices (CCD), Pioneer
Venus Orbiter, SPAR Acoustic Levitation Instrument, (Venus) Orbiter Infrared Radiometer (aka VORTEX
experiment), SMIRR.

322 (Previously Section 27)
1 – 1332
September 1959 – November 1972
(Index only, 1 – 1376, September 1959 – April 1986)
Juno, Shave Tail, cameras/TV, telescopes (Lyman Alpha telescope), Ranger, Mariner, instruments,
experiments, Surveyor, bio-satellite, MM73, Viking. BLISS (or B.L.I.S.), Mark IV.

323
1 – 2250
December 1960 – October 1976
(Index Only, 1 – 2301, December 1960 – May 1980)
Magnetic test facilities, ionization chambers, space cabins, conditions in space, figures from publications,
Mariner A, Surveyor, instruments, experiments, Gas Chromatography, Gamma Ray Spectrometer, Ranger
3, X-ray, meteorites, micro flora, craters, Mariner C, testing, antennas, OGO “E”, infrared spectrometers,
cosmic dust detector, plasma probe, Mariner 4, U-2 flight data, optics, Mariner 67, photometers, Apollo
Infrared Temperature Sounding Experiment, bread boards, Mariner 69, Mars Globe Photo Survey, Pulse
Height Analyzer, Infrared Balloon (IRSS) flights, Apollo Lunar Science Excursion Package (ALSEP) Solar
Wind Spectrometer Sensor, Surveyor, TV cameras, Mariner 69 TV subsystem, interferometer, Apollo, STA
tasks, Civil Systems, Kennedy High School, Viking, High Speed Interferometer, MAWD, Good Year blimp,
Concorde SST, microwave remote sensing, Microwave Limb Sounder (MLS), Tiros, people at work

324
1 – 1699
July 1961 – August 1974
(Index Only, 1 – 2854, July 1961 – May 1986)
Mariner, Surveyor, sand box test facility, RF bench, STE Ground Support Equipment (GSE), Data
Automation Subsystem (DAS), Ranger 7-9, Ranger Follow On, Ranger Block III, OSE?, experiments,
instruments, subsystems, circuits, testing, moon model, WEMS Integ Ckt Package Study, Mariner C
Cosmic Dust Study, tape recorders, Kinelogic, digital video, medical images, image processing, electron
microscope, Signetics Lab, traffic, radiology, x-rays, Apollo color separation, SEM construction, Automated
Light Microscope (NIH), LRV TV color study, SETL Rock Identification and Facility Survey, rock samples,
ALMS instrumentation, precursor field test, chromosomes, wood fiber analyzer, ERTS E color
reconstruction, scanning electron microscope, color reconstruction Zapruder film.
325
1 – 1047
February 1962 – May 1974
(Index Only, 1 – 1651, February 1962 – April 1986)
Table Mountain observatory, Mount Wilson observatory, Surveyor mockup and parts, Cascade Mountains, Ranger 7, Tiefort Mountain, GSCS, instruments, soil testing, field tests, rocks, VSCS (Mars), Russian lunar photos, Aerobee, balloon experiment, Mariner 67, radiometer, infrared spectroscopy lab, magnet studies, Venus antenna, Mono Lake, Stanford antenna, gamma ray detector, Table Mountain observatory, Surveyor Soil Sampler tests, Lunar Receiving Lab rock breaker, Aerosol Lab, thermal creep experiments, Mariner Mars 1969, Apollo, Surveyor 3, High Speed Interferometer (HSI), Concorde.

326 (Previously Section 361 and 10)
1 – 1524
May 1944 – July 1977
(Index Only, 1 – 1769, May 1944 – March 1986)
Motor testing, propellants, Ramjet, Ramcit, test pits, wind tunnel, combustion, charts, diagrams, Schlieren photos, gas chromatography, biological experiments, atmospheric probe, soil tests, Alaska, Ranger, field trips, mass spectrometer, microbiology, Voyager (Mars), Surveyor, STA tasks, Civil Systems, AUDRI, SETC robot, ERTS geological survey, Moon, Viking, Apollo, radar imaging, ocean radar, Seasat.

327 (Previously Section 362 and 2)
1 – 815
October 1943 – July 1967
The Channel, towing carriage, hydrobomb, propellants, testing, diagrams, Schlieren photos, wind tunnel, portraits, group photos, Goldstone Echo Station, plasma physics.

328 (Previously Section 363 and 22)
1 – 666
May 1957 – May 1976
(Index Only, 1 – 909, May 1957 – May 1986)
Loki, atmospheric turbulence, smoke dispersion from fires, diagrams, Pioneer, conductivity, plasma experiments, Fission Electric Capsule Program, ultraviolet spectroscopy, Mariner 2, biological experiments, Aerobee rocket, Solar Winds conference, Table Mountain, dynamitron, superconducting magnet, spark chamber, magnetometer, radiation lab, Physics section, IRIS, Mariner Mars 1971, sonic levitation, fluid dynamics.

329
1 – 379
April 1963 – July 1969
Surveyor, soil testing, field trips, instruments, PERT charts, SETL, lunar craters (models), Surveyor TV camera, Mariner, Ranger, charts, gas chromatograph mass spectrometer, infrared detector, plasma probe.

331 (Previously Section 8)
1 – 4786
September 1948 – September 1975
(Index Only, 1 – 5500, September 1948 – May 1986)

332 (Previously Section 15)
1 – 13304
October 1959 – June 1976
Goldstone Tracking Station, antennas, Deep Space Network, Australia (Woomera, Canberra/Tidbinbilla), mobile tracking stations (MTS), Deep Space Instrumentation Facility (DSIF), buildings/equipment at Goldstone, South Africa (Johannesburg), balloon tests, Owens Valley antenna, Echo Station, Pioneer Station, Venus Station, aerial photos, Minitrack, Goldstone Open House, Cape Canaveral, Cape Kennedy, Gemini, Apollo, satellites, Ranger, Mount Tifort, Mars antenna site, 210 ft. antennas, construction, Surveyor, Mariner, Madrid (Robledo), Spain DSIF, GSCS, Eastern Test Range, Ascension Island, Apollo Station, Table Mountain Observatory, Manned Space Flight Network (MSFN), theodolite, antenna upgrades, AAS, site photos, GDSCC, Aries Station, people at work, portraits, displays.

333  (Previously Section 23)
1 – 5960
December 1957 – August 1978
(Index Only, 1 – 7710, December 1957 – May 1986)
Project Deal, Explorer, Goldstone Tracking Station, antennas, Juno, Sergeant, tracking, theodolite, Microlock, Earthquake Valley, Temple City Tracking Station, Pioneer, Ranger, JPL Mesa antenna range, aerial photos, antenna construction, Mariner, hail tests, Deep Space Instrumentation Facility (DSIF), antenna move, Venus Site, Tifort Mountain, Mars Site, STA tasks, Civil Systems, displays, Helios, Viking, diagrams, charts, maps, portraits.

334  (Previously Section 25)
1 – 1494
December 1957 – April 1970
(Index Only, 1 – 2036, December 1957 – May 1986)
Project Deal, Explorer, telemetering equipment, Juno, Sergeant, Ranger, Mariner, Goldstone, Jupiter, Dovap, Vega, Data Reduction Lab, Atlantic Missile Range (AMR), tape recorders, STA tasks, Civil Systems.

335
1 – 2240
February 1963 – October 1976
(Index only, 1 – 2454, February 1963 – May 1986)

336
1 – 1121
September 1964 – April 1975
(Index Only, 1 – 2178, September 1964 – May 1986)

337
(Index Only, 1 – 1757, April 1965 – March 1976)
Goldstone, antennas, Nike, Surveyor, communications equipment, Deep Space Instrumentation Facility (DSIF), Lunar Orbiter, construction, Manned Space Flight Network (MSFN) antenna, Tifort Mountain, Goldstone facilities, vehicles, group photos, people at work, portraits, Madrid site, Mariner, Voyager, Viking, displays, visitors, STA tasks, Civil Systems, aerial photos, diagrams.

338  (Previously Section 337)
Sub-Chassis, microprocessor, digital recording, communications equipment, power supply, Very Long Baseline Interferometry (VLBI), circuits, VT-100, ASSET, computer.

339 (Previously Section 367)
1 – 383
December 1966 – November 1973

341 (Previously Section 16)
1 – 1848
December 1952 – October 1969, and October 1976
(Index Only, 1 – 2801, December 1952 – March 1984)

342 (Previously Section 17)
1 – 6177
December 1952 – April 1977
(Index Only, 1 – 7249, December 1952 – May 1986)

343 (Previously Section 24)
1 – 2098
December 1957 – November 1975
(Index Only, 1 – 3125, December 1957 – May 1986)

344
1 – 2473
March 1960 – July 1977
(Index Only, 1 – 5411, March 1960 – September 1985)
Mars 1971, model shop (198), celestial simulator (199), Surveyor, Ground Control Analysis Team (GCAT), building 251, Civil Systems, STA tasks, SEAN project, Viking, HYPACE, Mariner Jupiter Saturn 1977 (Voyager), Inertial Reference Unit (IRU), propulsion, solar energy, Stirling engine, Edwards Test Station, space shuttle, people working, group photos.

345
1 – 265
July 1960 – October 1969
(Index Only, 1 – 3217, July 1960 – May 1986)
Accelerometer, magnetometer, cryogenics, testing, experiments, crystals, Super Conductivity Lab.
507 – 2237 (Selected images have been scanned. Contact the Archives for assistance.)
August 1977 – November 1982
Coal desulphurization, Civil Systems

351 (Previously Section 5)
1 – 3106
January 1943 – March 1976
(Index Only, 1 – 3693, January 1943 – May 1986)

352 (Previously Section 7)
1 – 6835
October 1944 – June 1978
(Index Only, 1 – 9837, October 1944 – May 1986)

353
1 – 2975
April 1960 – September 1975
(Index Only, 1 – 4510, April 1960 – May 1986)
Propellants, motor tests, Edwards Test Station, Ranger, spacecraft tests, moon vehicle, Mariner, vidicon, solar panels, gamma ray boom, Mariner models, Syncom, Moon quake studies, Rose Parade float, moon dust, Surveyor, lunar roving vehicle, balsa wood tests, Voyager (to Mars), Capsule System Advanced Development (CSAD), soil tests, Viking, Helios, planetary quarantine, Mariner Jupiter Saturn 1977, Voyager.
354 (Previously Section 18)
1 – 1663
February 1955 – September 1976
(Index only, 1-3792, February 1955 – April 1986)
Sergeant, mobile launcher, instrumentation, Yuma, Mark II and III, Project Deal (Explorer), Juno, Vega
motor, propellants, fuel tanks, solar panels, spacecraft testing, Centaur, shock tests, drop tests, impact
tests, crush tests, Glen Canyon AZ, Mariner, integrated circuits, micro-electronics, bond studies, failure
analysis, ESCA spectrometer, Viking, low pollution car engine, Mariner Jupiter Saturn 1977, Voyager,
human mandible, solar sail, Low Cost Silicon Solar Array, diagrams, drawings, people at work, group
photos.

355
1 – 2005
April 1960 – August 1973
(Index Only, 1 – 4730, April 1960 – May 1986)
Ranger, spacecraft testing, propellants, solar panels, assembly, Lockheed Martin in Sunnyvale, 6K, Juno,
Vela Hotel, Atlantic Missile Range launch site, SCTB, celestial simulator, Mariner, Syncom motor, Surveyor,
Voyager (to Mars), Surveyor lunar roving vehicle, balsa wood tests, air gun impact tests, pneumatic cannon,
impact limiter, Surveyor attitude control jet blast tests (soil erosion), capsule drop tests, Capsule System
Advanced Development (CSAD), STA tasks, Civil Systems, school attendance system, Viking,
Thermoelectric Outer Planet spacecraft (TOPS), Mariner Jupiter Saturn 1977, Voyager, Apollo,
Radioisotope Thermoelectric Generator (RTG), Helios, 25-foot space simulator, group photos, people at
work.

356
1 – 469
April 1960 – August 1974
(Index Only, 1 – 634, April 1960 – May 1986)
Antennas, Ranger, assembly, schedules, MOIS, Mariner, spacecraft testing, bio satellite, solar panels, rock
splitter, automated parking, respirator, Viking, portraits, group photos.

357
1 – 5216
June 1962 – January 1976
(Index Only, 1 – 5749, June 1962 – February 1986)
Mariner, Ranger, Surveyor, Voyager (to Mars), circuits, wiring/cables, spacecraft assembly, spacecraft
testing, laboratories, Experimental Assembly and Sterilization Laboratory (EASL) clean room (bldg 233),
smoke test, bio satellite, impact tests, Capsule System Advanced Development (CSAD), STA projects, Civil
Systems, Thermoelectric Outer Planet spacecraft (TOPS), Mariner Jupiter Saturn 1977, Voyager, Viking,
Launch Complex Equipment Trailer (LCET), bio-telemetry, antennas, Umbilical Line Checker (ULCER),
UGLY tank, zero G experiments, Aseptic Fluid Transfer System (AFTS), people at work.

359
1 – 98
December 1965 – May 1973
Impact tests, Voyager (to Mars), aeroshell, models, pneumatic cannon, computer, shock tube, antennas.

360
1 – 854
June 1970 – October 1976
(Index Only, 1 – 2269, June 1970 – May 1986)
Mariner, Viking, circuits, tape recorders, data storage, Mariner Jupiter Saturn 1977, Voyager, Paris Air
Show, Artificial Intelligence Robot, laboratories, people at work.
Mariner, communications equipment, tape recorders, spacecraft antennas, telemetry,

371 (Previously Section 9)
1 – 2242
March 1945 – January 1970
(Index Only, 1 – 2527, March 1945 – February 1986)
Missile guidance, telemetering equipment, diagrams, Wac Corporal, Corporal E, test cells (test pits), Central Recording System (CRS), Sergeant, radar, Schlieran photography, sound suppression, component testing, data recording, Muroc, computers, Loki, Admatar, Re-entry Test Vehicle (RTV), Building 125 computer room, Juno, CDS, Shave Tail, Surveyor, Mariner, Ranger, Solar panels, space simulator, Syncom, Surveyor, STA tasks, Civil Systems, Standards Lab, circuits, solar radiometry, aeroshell, shock tubes, people at work.

373 (Previously Section 13)
1 – 7369
September 1948 – August 1977
(Index Only, 1 – 7664, September 1948 – September 1985)
Wind tunnels (12”, 20”, 21”), supersonic wind tunnel (SWT), hypersonic wind tunnel (HWT), Ramjet, Schlieran photography, Sergeant, Douglas models, test negatives, Aerobee, Corporal, diagrams, illustrations, Nike, Hughes Falcon models, Convair models, Hermes, organization charts, Loki, control room, figures for reports, seal tests, North American models, AGARD, installation photos, construction, xenon lamps, Zeus, space simulators, Mariner, Surveyor, Dynasoar model, publicity, Ranger, test facilities, antennas, DSIF, glow probe, ionization test, shock tube, Sandia, Voyager (to Mars), STA tasks, Civil Systems, Mariner Jupiter Saturn 1977 spacecraft assembly and testing, Viking, people at work, visitors, buildings 79, 72, 58, 45, 80, 150, 144, and 188.

374
1 – 2413
December 1961 – August 1972
(Index Only, 1 – 3238, December 1961 – March 1986)
Space simulators, solar simulation, mercury xenon quartz arc lamps, Mariner, EOS, Ranger, solar panels, solar cells, Surveyor, acoustic testing, diagrams, drawings, presentation slides, aerial photos, gravity machine, Syncom, Environmental Facilities Laboratory, vacuum chamber, balloon tests, Edwards Test Station, molsink, STA tasks, Civil Systems, Capsule System Advanced Development (CSAD), Mars globe, Data Analytical Laboratory, Planetary Entry Chamber, Viking, Apollo Gamma Ray Spectrometer, OFO, open house display, TOPS, Centaur, people at work, group photos, buildings 150, 144, 82.

375
1 – 1410
June 1963 – July 1971
(Index Only, 1 – 1783, June 1963 – May 1986)
Solar simulator, High Intensity Test Facility, Ranger, magnets, mercury xenon arc lamps, space simulators, Solar Spectrum Measurement Experiment (SSME), Mariner, simulator displays, Molsink Facility, Voyager (to Mars), sterilization, Surveyor, Table Mountain, diagrams, X-15 rocket aircraft, TV camera, monitor,
diagrams, lamp break tests, protective clothing, Goldstone Tracking Station, STA tasks, Civil Systems, Intelsat, Orbiting Frog Otolith (OFO), Apollo, SAWE, people at work, group photos, buildings 82, 150, 248.

377
(Index Only, 1 – 340, October 1976 – May 1984)
DSN network operation, communications equipment, tracking, antennas, displays, maser, computers.

381 (Previously Section 4)
1 – 5402
June 1940 – February 1975
(Index Only, 1 – 5755, June 1940 – March 1986)

382 (Previously Section 19)
1 – 1800
May 1955 – August 1973
(Index Only, 1 – 2399, May 1955 – May 1986)
Solid propellants, diagrams, charts, static motor tests, tensile/elasticity/torsion tests, temperature tests, propellant molds, polymers, Edwards Test Station, Surveyor, STA tasks, Civil Systems, liquid propellant, thermal luminescence, medical equipment tests, visitors, group photos, people at work.

383 (Previously Section 3)
1 – 6237
June 1940 – April 1976
(Index Only, 1 – 7032, June 1940 – May 1986)
Motor testing, test pits, A20-A airplane, Jet-Assisted Take-Off units (JATOs), Muroc Test Station, valves, nozzles, liquid propellants, Wac Corporal, Corporal E, Bumper motor, V2, ORDCIT, Edwards Test Station, Aerojet, Schlieren photography, bubbles, Magneto Hydro Dynamics (MHD) Lab, Syncom, liquid metals, vacuum chamber, ion engine, arc visualization, STA tasks, Civil Systems, heart valves, Solar Electric Propulsion Subsystem Task (SEPST), coal extrusion, diagrams, charts, drawings, people at work.

384 (Previously Section 11)
600 – 11267
November 1946 – September 1976
(Index Only, 600 – 11355, November 1946 – May 1986)
Corporal (Wac B) missile, Corporal E, Muroc, Edwards Test Station, Edwards Air Force Base, Edwards North Base, liquid propellants, fuel injection, tank testing, spin tank, spray/atomization tests, diagrams, ORDCIT, buildings 113 (Flow metering) and 78, Gas Generation (GG), STM, Short Snorter (SS), motor
tests, 6 K motor, Sergeant, aerial photos, Camp Cooke, Camp Elliot, Camp San Luis Obispo, Camp Irwin, maps, Goldstone proposed site, construction at ETS, Mariner, Ranger, Surveyor, Advanced Liquid Propulsion System (ALPS), ETS facilities and trailers, org charts, SATS (?), Voyager (to Mars?), STA task 89, Test Pit F, Viking, TOPS, MJS77 (Voyager), group photos, people at work, ETS visitors, clean car, coal extruder, energy conversion program, medical projects, imaging.

385
1 – 378
August 1960 – June 1972
Ion motor, diagrams, thermionic power, plasma power, Snap 8 spacecraft, nuclear electric power, proposed spacecraft, propulsion, testing, buildings 125 and 78, MHD, group photos, people at work.

500
(Index only, 1 – 8, February 1985 – May 1986)
Automatic semi conductor test lab, MGN CDS, SEM

870
(Index Only, 1, August 1985)
Meteorologist workstation color monitor (1Ac and 1Bc only)

A14
1 – 2800
February 1953 – September 1956
(Index Only, 1 – 3427, February 1953 – May 1960)
(8x10s) Corporal, mobile launcher, liquid propellants, radar, Sergeant, Jupiter, microlock, communications, telemetering equipment, theodolite, computers, Operation Sandspit, White Sands Proving Ground, drawings, diagrams, people at work.

EP
(Index Only, 1 – 305, May 1947 – November 1958)
Machine shop, lathe, Sergeant, Corporal, Loki, drawings, people at work.

EX
(Index Only, 1 – 618, September 1945 – June 1971)
V-2, Germany, Sperry Co., Corporal (Wac), photos from reports, Huntsville, Redstone, White Sands Proving Ground, Sergeant, Codorac, Re-entry Test Vehicle (RTV), Explorer, Juno, Jupiter, Aerojet, Pioneer, ARPA, CCMTA Convair, Saturn, Thor, Atlas, Agena, space suit, Snap 8, antennas, aerial photos, people at work.

JB
1 – 16462
February 1942 – November 1973
Buildings, construction, remodeling, site photos, aerial photos.

JPL
(Index Only, 1 - 794, May 1986 – August 1986)
Voyager, Sea Sat, SAWE, WFPC, Deep Space Network, Millimeter Wave Imaging, robotics, solar simulator, Magellan, artwork, PASP, construction, Galileo, RTG, ATMOS, methanol car, MLS, SISEX Stirling Cooler, ion propulsion, Radar Test Facility group, Halley’s comet, ARC Jet, CEB Building, solar cells, fire alarm, CRAF, SFOF, SP-100,

M
1 – 3927
March 1942 – November 1974
A-20-A aircraft, JATO, Corporal, military visitors, rocket motor testing, wind tunnels, propellants, people at work, group photos.

P
1 – 16399
September 1951 – March 1976
Clubs, group photos, portraits, social events, spacecraft launch/encounter events, public release photos, visitors, VIPs.

Revised May 30, 2019