



Smithsonian Institution Archives

Satellite Tracking Station Records, 1953-1968

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Washington, D.C.
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Collection Overview

Repository:	Smithsonian Institution Archives, Washington, D.C., osiaref@si.edu
Title:	Satellite Tracking Station Records
Identifier:	Record Unit 263
Date:	1953-1968
Extent:	41 cu. ft. (82 document boxes)
Creator::	Smithsonian Astrophysical Observatory. Satellite Tracking Program
Language:	English

Administrative Information

Preferred Citation

Smithsonian Institution Archives, Record Unit 263, Smithsonian Astrophysical Observatory.
Satellite Tracking Program, Satellite Tracking Station Records

Historical Note

Created in 1956 as part of the International Geophysical Year, the Satellite Tracking Program (STP) of the Smithsonian Astrophysical Observatory (SAO) was a world-wide network of stations responsible for the optical tracking of satellites. From 1956 until June 1959, the program was funded by a grant from the National Science Foundation. In July 1959, funding was assumed by the National Aeronautics and Space Administration (NASA). The goal of STP was to obtain photographs of satellites in sufficient number and accuracy to allow the determination of highly precise orbits. Data derived from the orbits provided information concerning variations in the density and temperature of the upper atmosphere and helped construct new representations of the earth's gravitational potential and geometrical figure. Twelve camera stations were established around the world between 36 degrees north and 36 degrees south of the equator. Stations were located at Jupiter, Florida (closed in 1967); Organ Pass, New Mexico (moved to Mt. Hopkins, Arizona in 1968); Maui, Hawaii; Curacao, Netherlands Antilles, West Indies (moved to Natal, Brazil, in 1966); Arequipa, Peru; Villa Dolores, Argentina (moved to Comodoro Rivadavia, Argentina, in 1966); Shiraz, Iran (moved to Debre Zeit, Ethiopia, in 1966); Olifantsfontein, South Africa; Naini Tal, India; San Fernando, Spain; Tokyo, Japan (closed in 1968); and Woomera, Australia (moved to the Space Research Site at Island Lagoon, Australia, in 1964). Cooperative programs enabled STP to track satellites at United States Air Force stations at Oslo, Norway, and Johnston and Kwajalein Islands in the Pacific Ocean; the Royal Canadian Air Force station at Cold Lake, Alberta; Harvard University's Agassiz Station; and the geodetic station at the National Technical University of Athens, Greece. A special satellite tracking camera, designed by James C. Baker and Joseph Nunn, was installed in each station.

When it was created in 1956, STP was a part of SAO's Upper Atmosphere Studies Division. The 12 satellite tracking camera stations were administered by the Photographic Observation Section, under the direction of Karl G. Henize. In 1961, STP became a separate Department of SAO. At that time the Station Operations Division (SOD) was created within STP for the administrative direction and logistical

support of all satellite tracking camera stations, for maintenance of equipment and development of new equipment and techniques, and for technical support in observing procedures. SOD was organized into three sections: Administrative, Operations, and Engineering. Richard C. Brock became the first chief of the Station Operations Division in June 1961. Other incumbents included Jan Rolff, 1962-1964, and Carl W. Hagge, acting chief, 1964-1965. In 1965, SOD was abolished and replaced by the Satellite Tracking and Data Acquisition Department (STADAD). STADAD assumed the duties of its predecessor and was also responsible for administering SAO's Meteor Simulation Project station at Wallops Island, Virginia. STADAD was comprised of five divisions: Optical Tracking Division, Moonwatch Division, Wallops Island Division, Engineering Division, and Administrative Support Division. John I. Hsia was appointed the first manager of STADAD in 1965. Other incumbents included Jack A. Coffey, 1966-1968, and Harry Albers, 1968- .

Descriptive Entry

This record unit consists mostly of records documenting the administration and operation of the STP tracking stations and includes files on the stations kept by the Photographic Observation Section, 1956-1961; SOD, 1961-1965; and STADAD, 1965-1968. The station files consist of incoming and outgoing correspondence and memoranda, reports, and technical data concerning satellite tracking operations; station fiscal matters; the construction and maintenance of station buildings and facilities; conferences and meetings held at the stations; the procurement of equipment and supplies for the stations; station personnel; and special projects conducted at each station. Also included are administrative records of SOD and STADAD; station files and administrative records of the Engineering Section of SOD and STADAD, mostly concerning the operation of the Baker-Nunn tracking cameras at each station; station financial statements; and records documenting relations between SAO and foreign countries or states where tracking stations were located.

Many of the files in this record unit are arranged in a numerical-subject records management system instituted at SAO about 1964. In the system, records were assigned a number code based on subject classification and filed numerically. Often records prior to 1964 were refiled using the numerical-subject system. Retrieval of records using the system is difficult. For a detailed explanation of the SAO numerical-subject filing system, see appendix 1 in the Archives.

Names and Subject Terms

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

Subjects:

- Astronomical observatories
- Astrophysical observatories
- International Geophysical Year, 1957-1958
- Research

Types of Materials:

- Architectural drawings
- Black-and-white photographs
- Clippings
- Color photographs
- Manuscripts
- Maps

Names:

Albers, Harry R.
Baker, James G.
Brock, Richard C.
Canada. Royal Canadian Air Force
Coffey, Jack A.
Hagge, Carl W.
Harvard University
Henize, Karl Gordon, 1926-
Hsia, John I.
National Science Foundation (U.S.)
National Technical University (Greece)
Nunn, Joseph
Rolf, Jan
Smithsonian Astrophysical Observatory. Satellite Tracking Program. Photographic Observation Section
Smithsonian Astrophysical Observatory. Satellite Tracking Program. Satellite Tracking and Data Acquisition Department
Smithsonian Astrophysical Observatory. Satellite Tracking Program. Station Operations Division
Smithsonian Astrophysical Observatory. Upper Atmosphere Studies Division
United States. Air Force
United States. National Aeronautics and Space Administration

Container Listing

Series 1: Station Files, 1956-1965.

This series consists of records documenting the administration and operation of the Satellite Tracking Program's (STP) original 12 tracking stations and the Meteor Simulation Project station at Wallops Island, Virginia. Records include correspondence and memoranda, reports, and technical data concerning satellite tracking operations; station personnel; budget and fiscal matters; construction and maintenance of station buildings; special projects conducted at the stations; and the procurement of equipment and supplies.

The records appear to be the primary station records of STP from its inception in 1956 until 1961 and consist of the original records sent from each station to the Photographic Observation Section of STP. When STP was reorganized in 1961, the original records relating to the administration and operation of the stations were kept by the newly created Station Operations Division (see Series 2 and 3), and copies of the records continued to be sent to this file until 1965.

Arrangement of the records is complicated and retrieval is difficult. Records from stations in Argentina, Curacao, Florida, Hawaii, India, Iran, and Peru are arranged in two different manners. Prior to 1961, the records are arranged in incoming and outgoing series and chronologically thereunder. Records from 1961 to 1965 are arranged in the SAO numerical-subject filing system. Files on stations in Australia, Japan, New Mexico, South Africa, Spain, and Wallops Island are arranged entirely in the numerical-subject system (see appendix 1 in the Archives).

Box 1

Argentina

Box 1 of 82 Incoming correspondence, 1957-1960. (6 folders)

Box 2

Box 2 of 82 Outgoing correspondence, 1958-1960. (2 folders)

Box 2 of 82 #100 Fiscal, accounting, and contracting, 1961-1965. (2 folders)

Box 2 of 82 #120 Financial statements, 1961-1964.

Box 3

Box 3 of 82 #200 Personnel, 1961-1965. (2 folders)

Box 3 of 82 #300 Administration, 1961-1964.

Box 3 of 82 #319 Weekly reports, 1961-1965. (3 folders)

Box 4

Box 4 of 82 #400 Equipment, supplies, and services, 1961-1965. (2 folders)

Box 4 of 82 #500 Special projects and services, 1961-1964. (2 folders)

Box 4 of 82 #600 Buildings and construction, 1961-1964.

Box 4 of 82 #700 Technical and scientific memoranda, 1961-1965.

Australia

Box 4 of 82 #100 Fiscal, accounting, and contracting, 1961-1963.

Box 4 of 82 #200 Personnel, 1958-1964.

Box 5

Box 5 of 82 #300 Administration, 1958-1964.

Box 5 of 82 #319 Weekly reports, 1958-1964. (4 folders)

Box 5 of 82 #400 Equipment, supplies and services, 1958-1964.

Box 5 of 82 #500 Special projects and services, 1958-1961.

Box 6

Box 6 of 82 #500 Special projects and services, 1962-1964.

Box 6 of 82 #600 Buildings and construction, 1959-1964.

Box 6 of 82 #700 Technical and scientific memoranda, 1958-1964.

Curacao

Box 6 of 82 Incoming correspondence, 1957-1960. (4 folders)

Box 7

Box 7 of 82 Outgoing correspondence, 1958-1960. (2 folders)

Box 7 of 82 #100 Fiscal, accounting, and contracting, 1961-1965. (2 folders)

Box 7 of 82 #120 Financial statements, 1961-1964.

Box 7 of 82 #200 Personnel, 1961.

Box 8

Box 8 of 82 #200 Personnel, 1962-1965.

Box 8 of 82 #300 Administration, 1961-1965.

Box 8 of 82 #319 Weekly reports, 1961-1965. (2 folders)

Box 9

Box 9 of 82 #400 Equipment, supplies, and services, 1961-1965. (2 folders)

Box 9 of 82 #500 Special projects and services, 1961-1964. (3 folders)

Box 9 of 82 #600 Buildings and construction, 1961-1964.

Box 10

Box 10 of 82 #700 Technical and scientific memoranda, 1961-1964.

Florida

Box 10 of 82 Incoming correspondence, 1958-1960. (4 folders)

Box 11

Box 11 of 82 Outgoing correspondence, 1958-1960. (3 folders)

Box 11 of 82 #100 Fiscal, accounting, and contracting, 1961-1965. (2 folders)

Box 11 of 82 #200 Personnel, 1961.

Box 12

Box 12 of 82 #200 Personnel, 1962-1964. (2 folders)

Box 12 of 82 #300 Administration, 1961-1964.

Box 12 of 82 #319 Weekly reports, 1961-1962. (2 folders)

Box 13

Box 13 of 82 #319 Weekly reports, 1963-1964. (2 folders)

Box 13 of 82 #400 Equipment, supplies, and services, 1961-1965. (4 folders)

Box 13 of 82 #500 Special projects and services, 1961.

Box 14

Box 14 of 82 #500 Special projects and services, 1962-1965. (2 folders)

Box 14 of 82 #500 Special projects and services, Rocket Launch Photography, 1961.

Box 14 of 82 #600 Buildings and construction, 1961-1964. Includes photographs of Florida station, 1961.

Box 14 of 82 #700 Technical and scientific memoranda, 1961-1965.

Hawaii

Box 14 of 82 Incoming correspondence, 1957-Jun 1960. (2 folders)

Box 15

Box 15 of 82 Incoming correspondence, July-December 1960.

Box 15 of 82 Outgoing correspondence, 1957-1960. (2 folders)

Box 15 of 82 #100 Fiscal, accounting, and contracting, 1961-1964. (2 folders)

Box 15 of 82 #120 Financial statements, 1961-1964.

Box 16

Box 16 of 82 #200 Personnel, 1961-1965. (3 folders)

Box 16 of 82 #300 Administration, 1961-1964.

Box 16 of 82 #319 Weekly reports, 1961.

Box 17

- Box 17 of 82 #319 Weekly reports, 1962-1964. (2 folders)
- Box 17 of 82 #400 Equipment, supplies, and services, 1961-1965. (2 folders)
- Box 17 of 82 #500 Special projects and services, 1961-1962. (2 folders)

Box 18

- Box 18 of 82 #500 Special projects and services, 1963-1964.
- Box 18 of 82 #600 Buildings and construction, 1961-1964.
- Box 18 of 82 #700 Technical and scientific memoranda, 1961-1964.

India

- Box 18 of 82 Incoming correspondence, 1956-1958. (2 folders)
- Box 18 of 82 Outgoing correspondence, 1957-1959.
- Box 18 of 82 #100 Fiscal, accounting, and contracting, 1959-1964.
- Box 18 of 82 #200 Personnel, 1959-1964.

Box 19

- Box 19 of 82 #300 Administration, 1959-1964.
- Box 19 of 82 #319 Weekly reports, 1959-1965. (3 folders)

Box 20

- Box 20 of 82 #400 Equipment, supplies, and services, 1959-1965. (2 folders)
- Box 20 of 82 #500 Special projects and services, 1960-1965.
- Box 20 of 82 #600 Buildings and construction, 1960-1964.
- Box 20 of 82 #700 Technical and scientific memoranda, 1959-1964.

Iran

Box 20 of 82 Incoming correspondence, 1957-1959. (2 folders)

Box 21

Box 21 of 82 Incoming correspondence, 1960. (2 folders)

Box 21 of 82 Outgoing correspondence, 1958-1960. (2 folders)

Box 21 of 82 #100 Fiscal, accounting, and contracting, 1961-1964.

Box 22

Box 22 of 82 #120 Financial statements, 1961-1965.

Box 22 of 82 #200 Personnel, 1961, 1964.

Box 22 of 82 #300 Administration, 1961, 1964.

Box 22 of 82 #319 Weekly reports, 1961, 1964-1965.

Box 22 of 82 #400 Equipment, supplies, and services, 1961, 1964.

Box 22 of 82 #500 Special projects and services, 1964.

Box 22 of 82 #700 Technical and scientific memoranda, 1964.

Box 23

Japan

Box 23 of 82 #200 Personnel, 1957-1964.

Box 23 of 82 #300 Administration, 1956-1964.

Box 23 of 82 #319 Weekly reports, 1957-1964.

Box 23 of 82 #400 Equipment, supplies, and services, 1957-1964.

Box 23 of 82 #500 Special projects and services, 1957-1964.

Box 23 of 82 #700 Technical and scientific memoranda, 1961-1963.

New Mexico

Box 23 of 82 #100 Fiscal, accounting, and contracting, 1956-1964. (3 folders)

Box 24

Box 24 of 82 #200 Personnel, 1956-1964. (2 folders)

Box 24 of 82 #300 Administration, 1956-1965.

Box 24 of 82 #319 Weekly reports, 1956-1964. (2 folders)

Box 25

Box 25 of 82 #400 Equipment, supplies, and services, 1956-1964. (2 folders)

Box 25 of 82 #500 Special projects and services, 1956-1964. (3 folders)

Box 25 of 82 #600 Buildings and construction, 1956-1964.

Box 25 of 82 #700 Technical and scientific memoranda, 1956-1964.

Box 26

Peru

Box 26 of 82 Incoming correspondence, 1958-1960. (4 folders)

Box 26 of 82 Outgoing correspondence, 1958-1960.

Box 27

Box 27 of 82 #100 Fiscal, accounting, and contracting, 1961-1965. (3 folders)

Box 27 of 82 #120 Financial statements, 1961-1963.

Box 27 of 82 #200 Personnel, 1961.

Box 28

Box 28 of 82 #200 Personnel, 1962-1964.

Box 28 of 82 #300 Administration, 1961-1965. (2 folders)

Box 28 of 82 #319 Weekly reports, 1961-1964.

Box 28 of 82 #400 Equipment, supplies, and services, 1961-1962.

Box 29

Box 29 of 82 #400 Equipment, supplies, and services, 1963-1964.

Box 29 of 82 #500 Special projects and services, 1961-1964.

Box 29 of 82 #600 Buildings and construction, 1961-1963.

Box 29 of 82 #700 Technical and scientific memoranda, 1961-1964.

South Africa

Box 29 of 82 #100 Fiscal, accounting, and contracting, 1958-1962. (3 folders)

Box 30

Box 30 of 82 #100 Fiscal, accounting, and contracting, 1963-1964.

Box 30 of 82 #200 Personnel, 1958-1964. (5 folders)

Box 30 of 82 #300 Administration, 1958-1964. (5 folders)

Box 31

Box 31 of 82 #319 Weekly reports, 1958-1964. (5 folders)

Box 31 of 82 #400 Equipment, supplies, and services, 1957-1964. (5 folders)

Box 31 of 82 #500 Special projects and services, 1958-1962. (3 folders)

Box 32

Box 32 of 82 #500 Special projects and services, 1963-1964. (2 folders)

Box 32 of 82 #600 Buildings and grounds, 1957-1964. (4 folders)

Box 32 of 82 #700 Technical and scientific memoranda, 1958-1964. (5 folders)

Spain

Box 32 of 82 #100 Fiscal, accounting, and contracting, 1957-1964. (2 folders)

Box 32 of 82 #120 Financial statements, 1961-1964.

Box 33

Box 33 of 82 #200 Personnel, 1957-1965. (2 folders)

Box 33 of 82 #300 Administration, 1958-1965.

Box 33 of 82 #319 Weekly reports, 1958-1965. (2 folders)

Box 34

Box 34 of 82 #400 Equipment, supplies, and services, 1958-1965. (2 folders)

Box 34 of 82 #500 Special projects and services, 1958-1965. (2 folders)

Box 34 of 82 #600 Buildings and construction, 1957-1964.

Box 34 of 82 #700 Technical and scientific, 1958-1964.

Box 35

Wallops Island

Box 35 of 82 #100 Fiscal, accounting, and contracting, 1964-1965.

Box 35 of 82 #200 Personnel, 1963-1965.

Box 35 of 82 #300 Administration, 1963-1964.

Box 35 of 82 #319 Weekly reports, 1963-1965.

Box 35 of 82 #400 Equipment, supplies, and services, 1963-1965.

Box 35 of 82 #500 Special projects and services, 1963-1964.

Box 35 of 82 #600 Buildings and construction, 1963-1964.

Box 35 of 82

#700 Technical and scientific, 1963-1964.

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Series 2: Station Files, 1962-1965. Arranged alphabetically.

This series consists of records, maintained by the Station Operations Division, concerning the administration and operation of the Satellite Tracking Program's tracking stations. Also included are files regarding STP operations at the Royal Canadian Air Force station at Cold Lake, Alberta, Canada, and at United States Air Force stations at Johnston and Kwajalein Islands and Oslo, Norway. Of special interest are records documenting the transfer of the Iran tracking station to Ethiopia. Records of the Curacao station are missing. The files are arranged alphabetically by station.

Box 35

Box 35 of 82 Argentina, 1962-1963.

Box 36

Box 36 of 82 Argentina, 1964.

Box 36 of 82 Australia, 1962-1965. (2 folders)

Box 36 of 82 Cold Lake, Canada, 1963-1965.

Box 36 of 82 Ethiopia, 1962-1964. Mostly concerns negotiations to move the Iran satellite tracking station to Ethiopia.

Box 36 of 82 Florida, 1962-1963.

Box 37

Box 37 of 82 Florida, 1964-1965.

Box 37 of 82 Hawaii, 1962-1965. (2 folders)

Box 37 of 82 India, 1962-1965.

Box 37 of 82 Japan, 1963-1965.

Box 38

Box 38 of 82 Johnston Island, 1963-1965.

Box 38 of 82 Kwajalein Island, 1964-1965.

Box 38 of 82 New Mexico, 1962-1965. (2 folders)

Box 39

Box 39 of 82 Oslo, Norway, 1963-1965.
Box 39 of 82 Peru, 1962-1965. (2 folders)
Box 39 of 82 South Africa, 1962-1965. (2 folders)
Box 39 of 82 Spain, 1962-1963.

Box 40

Box 40 of 82 Spain, 1964-1965.
Box 40 of 82 Wallops Island, 1963-1965. Meteor Simulation Project. (2 folders)

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Series 3: Station Files, 1962-1968.

This series consists of records, primarily maintained by the Satellite Tracking and Data Acquisition Department (STADAD), concerning the administration and operation of the Satellite Tracking Program's (STP) tracking stations. Records prior to 1965 were maintained by the Station Operations Division. Also included are STADAD files on United States and Royal Canadian Air Force stations cooperating on STP projects; the Greece geodetic station established under a cooperative program between STP and the National Technical University of Athens; and the Geodetic Camera and Laser Tracking projects of STP. Of special interest are records concerning the establishment of stations at Comodoro Rivadavia, Argentina; Natal, Brazil; Debre Zeit, Ethiopia; and Mt. Hopkins, Arizona; the closing of the Jupiter, Florida, station, 1967; the Missile Photography Project conducted at the Jupiter, Florida, station, 1965-1967; the Iran Meteorite Recovery Program, 1965; the Arequipa, Peru, station's observation of the solar eclipse, 1966; and the San Fernando, Spain, station's participation in the European Echo Simob Program, 1966, the French Laser Program, 1966, and the Sodium Cloud Experiment, 1966. The files are arranged in the SAO numerical-subject records management system (see appendix 1 in the Archives).

Box 40

Comodoro Rivadavia, Argentina

- Box 40 of 82 #003 Visits and visitors, 1965-1966.
- Box 40 of 82 #110 Budget, 1966.
- Box 40 of 82 #210 Station personnel, 1965-1968.
- Box 40 of 82 #240 Travel, 1965-1966.
- Box 40 of 82 #310 Procedures and policies, 1965-1966.

Box 41

- Box 41 of 82 #330 Buildings, 1965-1966. Mostly concerns the selection of a station site at Comodoro Rivadavia.
- Box 41 of 82 #420 Operations, 1965-1966. Mostly concerns the construction of the satellite tracking station at Comodoro Rivadavia.
- Box 41 of 82 #610 One-time reports, 1965-1966.
- Box 41 of 82 #620 Recurring reports, 1966.
- Box 41 of 82 #700 Technical and scientific memoranda, 1965-1966.
- Box 41 of 82 Miscellaneous TWX messages, 1966.

Villa Dolores, Argentina

- Box 41 of 82 #001 Public information, 1965-1968.
- Box 41 of 82 #002 Conferences and meetings, 1965.
- Box 41 of 82 #003 Visits and visitors, 1965-1967.
- Box 41 of 82 #120 Financial statements and transactions, 1965-1968.
- Box 41 of 82 #210 Station personnel, 1963-1968.

Box 42

- Box 42 of 82 #240 Travel, 1965-1966.
- Box 42 of 82 #310 Procedures and policies, 1965-1968.
- Box 42 of 82 #310 Procedures and policies, agreements, 1967.
- Box 42 of 82 #330 Buildings, 1965.
- Box 42 of 82 #410 Procurement, 1963-1968. (2 folders)
- Box 42 of 82 #420 Operations, 1965-1967.
- Box 42 of 82 #430 Shipping, 1963-1965.
- Box 42 of 82 #610 One-time reports, 1965-1967.
- Box 42 of 82 #620 Recurring reports, 1965-1967.
- Box 42 of 82 #700 Technical and scientific memoranda, 1965-1968.

Australia

- Box 42 of 82 #001 Public Information, 1965.
- Box 42 of 82 #003 Visits and visitors, 1965-1966.
- Box 42 of 82 #210 Divisional personnel, 1965-1967.
- Box 42 of 82 #240 Travel, 1965-1966.

Box 42 of 82 #310 Procedures and policies, 1965-1966.
Box 42 of 82 #320 Organization, 1965.
Box 42 of 82 #330 Buildings, 1965.
Box 42 of 82 #410 Procurement, 1965-1966.
Box 42 of 82 #420 Operations, 1965.
Box 42 of 82 #510 Special projects and services (Technical), 1966.

Box 43

Box 43 of 82 #620 Recurring reports, general, 1965-1966.
Box 43 of 82 #620 Recurring reports, NASA progress reports, 1964-1966.
Box 43 of 82 #700 Technical and scientific memoranda, 1965-1966.

Brazil

Box 43 of 82 #001 Public information, 1966-1967.
Box 43 of 82 #003 Visits and visitors, 1965-1966.
Box 43 of 82 #110 Budget, 1966.
Box 43 of 82 #210 Divisional personnel, 1966.
Box 43 of 82 #240 Travel, 1965.
Box 43 of 82 #310 Procedures and policies, 1965-1966.
Box 43 of 82 #330 Buildings, 1965-1966. Mostly concerns the construction of the satellite tracking station at Natal, Brazil.
Box 43 of 82 #410 Procurement, 1966.
Box 43 of 82 #430 Shipping, 1966.
Box 43 of 82 #620 Recurring reports, 1966.

- Box 43 of 82 #700 Technical and scientific memoranda, 1965-1966.
- Box 43 of 82 Miscellaneous TWX messages, 1966.
- Cold Lake, Canada
- Box 43 of 82 #200 Personnel, 1965-1967.
- Box 43 of 82 #300 Administration, 1966-1967.
- Box 43 of 82 #400 Equipment, supplies, and services, 1965-1966.
- Box 43 of 82 #620 Recurring reports, 1965-1967.
- Box 44
- Curacao
- Box 44 of 82 #001 Public information, 1966-1967.
- Box 44 of 82 #003 Visits and visitors, 1965-1966.
- Box 44 of 82 #110 Budget, 1965-1966.
- Box 44 of 82 #130 Inventory and audits, 1965-1966.
- Box 44 of 82 #210 Divisional personnel, 1965-1967.
- Box 44 of 82 #240 Travel, 1965-1966.
- Box 44 of 82 #310 Procedures and policies, 1965-1967. Includes records concerning the closing of the Curacao station and its transfer to Natal, Brazil, 1966.
- Box 44 of 82 #330 Buildings, 1965-1966.
- Box 44 of 82 #410 Procurement, 1965-1967.
- Box 44 of 82 #420 Operations, 1965-1966.
- Box 44 of 82 #430 Shipping, 1965-1966.
- Box 44 of 82 #510 Special projects and services (Technical), 1965-1966.

- Box 44 of 82 #610 One-time reports, 1965-1966.
- Box 44 of 82 #620 Recurring reports, 1965-1967.
- Box 44 of 82 #700 Technical and scientific memoranda, 1965-1968.

Ethiopia

- Box 44 of 82 #001 Public information, 1965-1966.
- Box 44 of 82 #002 Conferences and meetings, 1965.
- Box 44 of 82 #003 Visits and visitors, 1965.
- Box 44 of 82 #110 Budget, 1966.
- Box 44 of 82 #120 Financial statements and transactions, 1965.
- Box 44 of 82 #130 Inventory and audits, 1965.
- Box 44 of 82 #210 Station personnel, 1965.
- Box 44 of 82 #310 Procedures and policies, 1965-1966.

Box 45

- Box 45 of 82 #330 Buildings, 1965-1967. Mostly concerns the construction of the Ethiopia satellite tracking station. (2 folders)
- Box 45 of 82 #410 Procurement, 1965-1966.
- Box 45 of 82 #420 Operations, general, 1965-1966.
- Box 45 of 82 #420 Operations, air charter, 1966.
- Box 45 of 82 #420 Operations, communications, 1965-1966.
- Box 45 of 82 #430 Shipping, 1965-1966.
- Box 45 of 82 #510 Special projects and services (Technical), 1965-1966.
- Box 45 of 82 #610 One-time reports, 1965-1967.

- Box 45 of 82 #620 Recurring reports, 1965-1966.
- Box 45 of 82 #700 Technical and scientific memoranda, 1965-1967.
- Florida
- Box 45 of 82 #001 Public information, 1965-1968. Includes records concerning the closing of the Florida Station, 1967.
- Box 45 of 82 #003 Visits and visitors, 1966-1967.
- Box 45 of 82 #110 Budget, 1966-1967.
- Box 45 of 82 #120 Financial statements and transactions, 1965.
- Box 45 of 82 #130 Inventory and audits, 1965.
- Box 46
- Box 46 of 82 #210 Station personnel, 1965-1967.
- Box 46 of 82 #240 Travel, 1965.
- Box 46 of 82 #310 Procedures and policies, 1965-1968.
- Box 46 of 82 #320 Organization, 1965.
- Box 46 of 82 #330 Buildings, 1965.
- Box 46 of 82 #410 Procurement, 1965-1966.
- Box 46 of 82 #420 Operations, 1965-1966.
- Box 46 of 82 #430 Shipping, 1965.
- Box 46 of 82 #510 Special projects and services, technical, general, 1965-1968.
- Box 46 of 82 #510 Special projects and services (technical), Missile Photography Project, 1965-1967. (2 folders)
- Box 46 of 82 #610 One-time reports, 1965-1967.

Box 46 of 82 #620 Recurring reports, 1965-1967.

Box 46 of 82 #700 Technical and scientific memoranda, 1965-1967.

Greece

Box 46 of 82 #001 Public information, 1966.

Box 46 of 82 #002 Conference and meetings, 1966.

Box 46 of 82 #110 Budget, 1966.

Box 46 of 82 #130 Inventory and Audits, 1964.

Box 46 of 82 #210 Station Personnel, 1963-1966.

Box 46 of 82 #240 Travel, 1965-1966.

Box 46 of 82 #310 Procedures and policies, 1962-1966.

Box 47

Box 47 of 82 #410 Procurement, 1963-1966.

Box 47 of 82 #420 Operations, 1963-1966.

Box 47 of 82 #430 Shipping, 1962-1966.

Box 47 of 82 #510 Special projects and services (technical), 1966.

Box 47 of 82 #610 One-time reports, 1962-1964.

Box 47 of 82 #700 Technical and scientific memoranda, 1963-1966.

Hawaii

Box 47 of 82 #001 Public information, 1965.

Box 47 of 82 #002 Conference and meetings, 1965-1966.

Box 47 of 82 #003 Visits and visitors, 1965-1966.

Box 47 of 82	#110 Budget, 1965-1966.
Box 47 of 82	#130 Inventory and audits, 1965.
Box 47 of 82	#210 Station personnel, 1965-1966.
Box 47 of 82	#240 Travel, 1965.
Box 47 of 82	#310 Procedures and policies, 1965-1966.
Box 47 of 82	#410 Procurement, 1965-1966.
Box 47 of 82	#420 Operations, 1965.
Box 47 of 82	#430 Shipping, 1965.
Box 47 of 82	#510 Special projects and services (technical), general, 1965.
Box 47 of 82	#510 Special projects and services (technical), Coast and Geodetic Survey, 1966.
Box 47 of 82	#510 Special projects and services (technical), SECOR, 1965-1966.
Box 47 of 82	#610 One-time reports, 1965-1966.
Box 47 of 82	#620 Recurring reports, 1965-1966.
Box 47 of 82	#700 Technical and scientific memoranda, 1965-1966.
	India
Box 47 of 82	#001 Public information, 1965.
Box 47 of 82	#120 Financial statements and transactions, 1966.
Box 47 of 82	#210 Station personnel, 1965-1966.
Box 47 of 82	#230 Consultants, 1965.
Box 47 of 82	#240 Travel, 1965.
Box 47 of 82	#310 Procedures and policies, 1965-1966.

Box 47 of 82 #620 Recurring reports, 1965-1966.

Box 47 of 82 #700 Technical and scientific memoranda, 1965-1966.

Iran

Box 47 of 82 #001 Public information, 1965-1967.

Box 47 of 82 #002 Conferences and meetings, 1965.

Box 47 of 82 #003 Visits and visitors, 1966-1967.

Box 47 of 82 #110 Budget, 1966.

Box 48

Box 48 of 82 #130 Inventory and audits, 1966-1967.

Box 48 of 82 #210 Station personnel, 1965-1967.

Box 48 of 82 #240 Travel, 1965.

Box 48 of 82 #310 Procedures and policies, general 1965-1967.

Box 48 of 82 #310 Procedures and policies, station shutdown, 1966-1967.

Box 48 of 82 #330 Buildings, 1965.

Box 48 of 82 #410 Procurement, 1965.

Box 48 of 82 #420 Operations, 1966.

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Box 48 of 82 #700 Technical and scientific memoranda, 1965-1967.

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- Box 48 of 82 #001 Public Information, 1966.
- Box 48 of 82 #210 Station personnel, 1966.
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Box 49 of 82	#120 Financial statements and transactions, 1965.
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Box 49 of 82	#310 Procedures and policies, 1966-1967.
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Box 49 of 82 #700 Technical and scientific memoranda, 1965-1968.

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Box 49 of 82 #001 Public information, 1965-1966.

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Box 50 of 82 #240 Travel, 1964-1965.

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Box 50 of 82 #410 Procurement, 1965-1966.

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Box 50 of 82 #430 Shipping, 1965-1966.

Box 50 of 82 #510 Special projects and services (Technical), 1965-1966. Includes records concerning the Peru station's observation of the solar eclipse, 1966.

Box 50 of 82 #610 One-time reports, 1965-1966.

Box 50 of 82 #620 Recurring reports, 1965-1966.

Box 50 of 82 #700 Technical and scientific memoranda, 1966.

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Box 50 of 82 #002 Conferences and meetings, 1966.

Box 50 of 82 #003 Visits and visitors, 1965-1966.

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Box 50 of 82 #510 Special projects and services (Technical), French Laser Program, 1966.

Box 50 of 82 #510 Special projects and services (Technical), Sodium Cloud Experiment, 1966.

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Box 51 of 82 #610 One-time reports, 1965-1966.

Box 51 of 82 #620 Recurring reports, 1965-1966.

Box 51 of 82 #700 Technical and scientific memoranda, 1965-1966.

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Box 51 of 82 #100 Fiscal, accounting, and contracting, 1965-1967.

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Box 51 of 82 #300 Administration, 1965-1966.

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Box 51 of 82 #620 Recurring reports, 1965-1967.

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Box 52 of 82 #620 Recurring reports, 1965-1967. (2 folders)

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- Box 52 of 82 #500 Special projects and services, Florida Station, 1965-1966.
- Box 52 of 82 #500 Special projects and services, Orbiting Geophysical Observatory, 1965.
- Box 52 of 82 #600 Reports and publications, 1965.

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- Box 52 of 82 #001 Public information, 1965.
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| Box 53 of 82 | #620 Recurring reports, 1965-1966. |
| Box 53 of 82 | #700 Technical and scientific memoranda, 1965-1966. |

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Series 4: Administrative Records, 1959-1967.

This series consists primarily of administrative records of the Satellite Tracking Program's (STP) Station Operations Division (SOD), 1961-1965, and its predecessor, the Satellite Tracking and Data Acquisition Department (STADAD), 1965-1967. A small amount of material, mostly concerning budgetary matters, precedes the creation of the Station Operations Division in 1961. Records include correspondence and memoranda, reports, and technical data concerning conferences and meetings; public relations; budgetary and fiscal matters; personnel; administrative procedures and organization; the procurement of equipment and supplies; and technical questions. Of special interest are records documenting special projects conducted by SOD and STADAD. The records are arranged in the SAO numerical-subject records management system (see appendix 1 in the Archives).

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- Box 53 of 82 #001 Public information, 1965.
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- Box 53 of 82 #002 Conferences and meetings, Geodetic Camera, 1965-1966.
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Box 54

- Box 54 of 82 #110 Budget, 1959-1967. (4 folders)

Box 55

- Box 55 of 82 #110 Budget, 1967.
- Box 55 of 82 #120 Financial statements and transactions, 1965-1966.
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- Box 55 of 82 #210 Personnel, general, 1965-1966.
- Box 55 of 82 #210 Personnel, Goals and Indicators Program, 1965-1967.

- Box 55 of 82 #210 Personnel, Goals and Indicators Program, Administrative Support Division, 1966.
- Box 55 of 82 #210 Personnel, Goals and Indicators Program, Engineering Division, 1965-1966.
- Box 55 of 82 #210 Personnel, Goals and Indicators Program, Moonwatch Division, 1966.
- Box 55 of 82 #210 Personnel, Goals and Indicators Program, Satellite Tracking Stations, Argentina, 1966.
- Box 55 of 82 #210 Personnel, Goals and Indicators Program, Satellite Tracking Stations, Australia, 1966.
- Box 55 of 82 #210 Personnel, Goals and Indicators Program, Satellite Tracking Stations, Curacao, 1966.
- Box 55 of 82 #210 Personnel, Goals and Indicators Program, Satellite Tracking Stations, Ethiopia, 1966.
- Box 55 of 82 #210 Personnel, Goals and Indicators Program, Satellite Tracking Stations, Florida, 1966.
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- Box 56 of 82 #210 Personnel, observer training, 1963-1964.
- Box 56 of 82 #210 Personnel, observers personal profiles, Anderson-Currie, 1964-1967.
- Box 56 of 82 #210 Personnel, observers personal profiles, Farnsworth-Latimer, 1964-1967.
- Box 56 of 82 #210 Personnel, observers personal profiles, McCorkle-Youngblood, 1964-1967.
- Box 56 of 82 #210 Personnel, peak work loads, 1966.
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- Box 56 of 82 #240 Travel, 1962-1963.
- Box 56 of 82 #310 Procedures and policies, 1965-1966.
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- Box 56 of 82 #320 Organization, 1964-1965.
- Box 56 of 82 #320 Organization, Engineering Division, 1963-1964.

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- Box 57 of 82 #320 Organization, Moonwatch Division, 1963-1964.
- Box 57 of 82 #400 Equipment, supplies, and services, 1965-1966.
- Box 57 of 82 #410 Procurement, Electronic Engineering Company of California, 1965.
- Box 57 of 82 #420 Operations, 1963-1966. (2 folders)
- Box 57 of 82 #510 Special projects and services, general, 1963-1966.
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Box 58 of 82 #510 Special projects and services, Comet Photography, 1963-1964.

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Box 59 of 82 #510 Special projects and services, Pegasus, 1965-1966.

Box 59 of 82 #510 Special projects and services, Radio Meteor Project, 1964-1965.

Box 59 of 82 #510 Special projects and services, Recovery of Space Fragments, 1963-1964.

Box 59 of 82 #510 Special projects and services, Re-entry Predictions, 1963-1965.

Box 59 of 82 #510 Special projects and services, Royal Radar Establishment, Malvern, England, 1964-1965.

Box 59 of 82 #510 Special projects and services, Russian Satellites, 1965-1966.

Box 59 of 82 #510 Special projects and services, SA-5 Satellite, 1963-1964.

Box 59 of 82 #510 Special projects and services, Satellite to Satellite Experiment, 1966.

Box 59 of 82 #510 Special projects and services, Simultaneous Observations Program (SIMOB), 1964-1965.

Box 59 of 82 #510 Special projects and services, South African Meteorite, 1964-1965.

Box 59 of 82 #510 Special projects and services, Star Catalogue, 1962-1963.

Box 59 of 82 #510 Special projects and services, Star Flash, 1964-1965.

Box 59 of 82 #510 Special projects and services, Station Coordinates, 1965.

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Box 59 of 82 #610 One-time reports, 1964-1965.

Box 59 of 82 #610 One-time reports, trips, 1964-1965.

Box 59 of 82 #620 Recurring reports, Progress reports on STP submitted to NASA, 1964-1967.

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Series 5: Agreements File, 1953-1967. Arranged alphabetically.

This series consists of records documenting relations between the Smithsonian Astrophysical Observatory (SAO) and foreign countries or states where Satellite Tracking Program (STP) stations were established. The records concern negotiations for the purchase or rental of land; legal questions affecting SAO staff working in foreign countries; hiring of foreign citizens to work at satellite tracking stations; and contracts between SAO and cooperating agencies in foreign countries. Also included is a file concerning insurance policies taken out by SAO on each satellite tracking station and station personnel. The agreement file for the Iran station is missing. The files are arranged alphabetically by station.

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Box 61 of 82	Hawaii, 1961-1962.
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Series 6: Administratively Confidential Station Files, 1960-1966. Arranged alphabetically.

This series contains administratively confidential files maintained by the Station Operations Division (SOD), 1961-1965, and the Satellite Tracking and Data Acquisition Department (STADAD), 1965-1966, for each satellite tracking station. The records consist of incoming and outgoing correspondence and memoranda usually concerning station personnel matters. The files are arranged alphabetically by station.

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Box 63 of 82	Iran, 1960-1964.
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Series 7: Station Financial Statements, 1961-1967. Arranged alphabetically.

This series consists of financial statements submitted by the satellite tracking stations to the Station Operations Division, 1961-1965, and the Satellite Tracking and Data Acquisition Department, 1965-1967. The records are arranged alphabetically by station.

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- Box 63 of 82 Comodoro Rivadavia, Argentina, 1966.
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- Box 64 of 82 Brazil, 1966.
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- Box 65 of 82 Hawaii, 1963-1966.
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- Box 66 of 82 Peru, 1963-1966.
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Box 67

- Box 67 of 82 Spain, 1963-1966.
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Series 8: Engineering Section, Station Files, 1959-1963.

Shortly after the Satellite Tracking Program (STP) was established, an Engineering Section was set up to supervise the development and maintenance of equipment at the satellite tracking stations. Other responsibilities of the Engineering Section included the construction and maintenance of station buildings; supervision of station vehicles; monitoring the quality of station output; and technical training for station personnel. From 1956 to 1961, the Engineering Section was a part of the Photographic Observation Section of STP. In 1961, it became a section of the newly created Station Operations Division, and in 1965 it was reorganized as a Division of the Satellite Tracking and Data Acquisition Department (STADAD). This series consists of station files maintained by the Engineering Section, 1959-1963. Records include incoming and outgoing correspondence and memoranda between Engineering Section staff and station personnel concerning technical problems; operation and maintenance of station equipment and buildings; and station vehicles. The files are arranged alphabetically by station. For other records of the Engineering Section (after 1965, the Engineering Division), see series 9 and 10.

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- Box 67 of 82 Argentina, 1959-1963.
- Box 67 of 82 Australia, 1959-1963.
- Box 67 of 82 Cold Lake, Canada, 1961-1963.

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- Box 68 of 82 Curacao, 1959-1963. (2 folders)
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Box 69

- Box 69 of 82 Iran, 1959-1963. (2 folders)
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- Box 69 of 82 New Mexico, 1959-1963.
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Spain, 1959-1963. (2 folders)

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Series 9: Engineering Section, Station Files, 1962-1968.

This series consists of station files maintained by the Engineering Section of the Station Operations Division (after 1965 the Engineering Division of the Satellite Tracking and Data Acquisition Department) for each of the STP tracking stations, as well as other stations cooperating on STP operations. The records are similar to those found in Series 8 and are arranged in the SAO numerical-subject records management system (see appendix 1 in the Archives).

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| Box 70 of 82 | #210 Station personnel, 1965-1966. |
| Box 70 of 82 | #330 Buildings, 1965. |
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Box 76 of 82 #420 Operations, George Veis correspondence, 1962-1964.

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- Box 77 of 82 #420 Operations, 1964-1965.

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Box 80 of 82 #610 One-time reports, 1964-1965.

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Series 10: Engineering Section, Administrative Records, 1961-1967.

This series consists of administrative records maintained by the Engineering Section of the Station Operations Division (after 1965, the Engineering Division of the Satellite Tracking and Data Acquisition Department). Records include correspondence and memoranda, reports, and technical data concerning conferences and meetings; budgetary and fiscal matters; personnel; administrative procedures and organization; the procurement of equipment and supplies; and technical questions. Of special interest are records documenting special projects of the Satellite Tracking Program in which the Engineering Section was involved. The records are arranged in the SAO numerical-subject records management system (see appendix 1 in the Archives).

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| Box 81 of 82 | #002 Conferences and meetings, International Radio Consultive Committee (CCIR), 1961-1962, 1964. (3 folders) |
| Box 81 of 82 | #110 Budget, 1962-1964. |
| Box 81 of 82 | #130 Inventory and audits, 1963-1965. |
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| Box 81 of 82 | #510 Special projects and services (Technical), Air Force Training Program, 1963-1964. |
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- Box 82 of 82 #510 Special projects and services (Technical), IQSY Comet Photography Program, 1963-1964.
- Box 82 of 82 #510 Special projects and services (Technical), Magnetosphere Experiment, 1965-1967.
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- Box 82 of 82 #510 Special projects and services (Technical), National Bureau of Standards Timing Group, 1963-1964.
- Box 82 of 82 #510 Special projects and services (Technical), Radio Meteor Project, 1965.
- Box 82 of 82 #510 Special projects and services (Technical), Station Generator Reports, 1966.
- Box 82 of 82 #610 One-time reports, 1963-1965.
- Box 82 of 82 #620 Recurring reports, 1963-1964.
- Box 82 of 82 #700 Technical and scientific memoranda, 1964-1965.

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