

**JPL Publication 16-1**



# **Archived 1976–1985 JPL Aircraft SAR Data**

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**National Aeronautics and  
Space Administration**

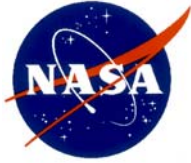
**Jet Propulsion Laboratory  
California Institute of Technology  
Pasadena, California**

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**January 2016**

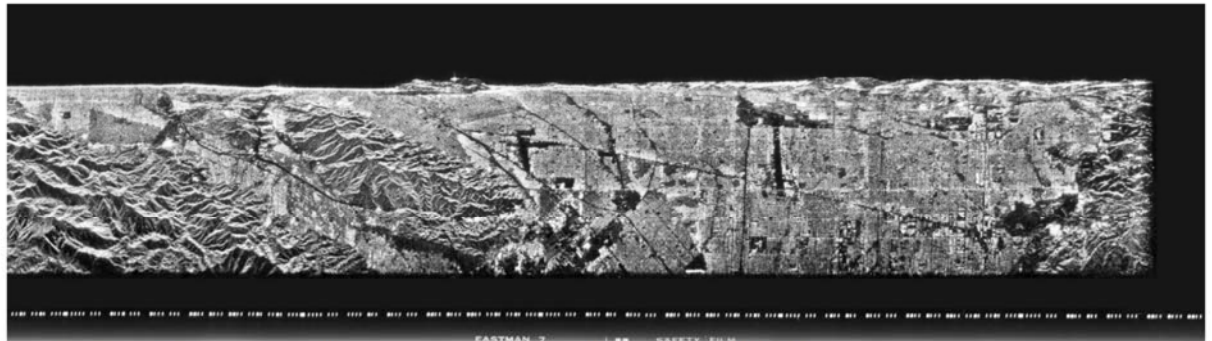


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Ronald G. Blom  
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Altadena JPL

Verdugo  
Mountains

Burbank  
Airport

Van Nuys  
Airport

← San Fernando Valley →

**National Aeronautics and  
Space Administration**

**Jet Propulsion Laboratory  
California Institute of Technology  
Pasadena, California**

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**January 2016**

**Title page image:** Optical aircraft SAR imagery of Southern California—  
Altadena/Jet Propulsion Laboratory to western San Fernando Valley

This research was carried out at the Jet Propulsion Laboratory, California Institute of Technology, under a contract with the National Aeronautics and Space Administration.

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## **Acknowledgments**

All of us involved with JPL aircraft and spacecraft radars are deeply indebted to Walter E. Brown for his insight and perseverance that resulted in the radars that have led to JPL's prominence in radar remote sensing since the 1970s. Also, all of this was made possible by the superb support of the NASA Ames Airborne Science Program.

Significant contributions to this archiving effort were supplied by Ravi Campbell, who assisted in the labeling of the data, Julie Cooper, Camille E. Mathieu, and Kristin DeAnfrasio of the JPL Archives, as well as by Roger Carlson and Eugene Ustinov, who assisted in the preparation of this document.

In memory of Rolando Jordan, long-time JPL Radar System Engineer, who passed away during the preparation of this document. Rolando was a key contributor to JPL radar developments from the earliest 19660s Aerobee radar experiments to the present.

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## Foreword

This report describes archived data from the Jet Propulsion Laboratory (JPL) aircraft radar expeditions in the mid-1970s through the mid-1980s collected by one of us (RGB). These JPL synthetic aperture radar (SAR) data were recorded optically on long strips of film. SAR imagery was produced via an optical, holographic technique that resulted in long strips of film.



**Figure 1. National Aeronautics and Space Administration (NASA) Ames Airborne Laboratory, the prototype CV-990 commercial aircraft acquired by NASA and converted by NASA Ames Research Center to the Airborne Science Laboratory, a platform for radar and optical experiments.**

## 1. Introduction

There were four significant successful Jet Propulsion Laboratory (JPL) Synthetic Aperture Radar (SAR) projects in the 1970s and 1980s:

1. The Apollo-17 Lunar Radar Sounder in 1972 (Phillips et al., 1973a, b)
2. The JPL Aircraft Radar expeditions in the early 1970s through the 1980s (Blom and Elachi, 1981; Evans et al., 1986; Thompson et al., 1986; Weissman, King and Thompson, 1979)
3. The Seasat SAR mission in 1978 (Blom and Elachi, 1981; Elachi, 1980; Jordan, 1980; Logan, et al., 2014)
4. The Spaceborne Imaging Radar (SIR) missions – SIR-A in 1981, SIR-B in 1984, and SIR-C in 1994 (Elachi, 1982)

The JPL aircraft radar expeditions provided valuable experience in the geologic interpretation of terrestrial data from the Seasat and SIR space missions. Also, this aircraft radar operated at the L-band frequency of 1225 MHz (25-cm wavelength) as it was recognized that this would be the optimum frequency/wavelength for orbital radar observations of Venus. This choice of frequency/wavelength choice was indeed used by the Magellan Radar Mission. (Saunders, et. al., 1992) in 1990–1994. All these 1970s and 1980s SAR accomplishments evolved from Walter Brown’s Aerobee Rocket Radar Project in the 1960s (Brown, 1969).

Key users of this data in the 1970s and 1980s included Charles Elachi, Diane Evans, Tom Farr, John Ford, Mike Kobrick, and Ladislav Roth who used this data for a number of oceanographic and geologic studies. Operations and maintenance of the radar were supported by Walter Brown, Bob Blakely, Ed Caro, Jim Granger, Bill Fiechter, Jodie Gilstrap, Rolando Jordan, Elmer McMillan, Tim Miller, Mimi Paller, Gene Samuel, and Walter Skotnicki. Processing and distribution of the data was supported by Tom Anderson, Tom Bicknell, Don Harrison, Annie Richardson, and Sylvester Scott.

As noted above, this report describes data from the JPL aircraft radar expeditions in the early 1970s through the 1980s collected by one of us (RGB). These data were collected during his career at JPL from the 1970s through 2015. SAR data in the 1970s and 1980s were recorded optically on long strips of film. SAR imagery was produced via an optical holographic technique that resulted in long strips of film imagery. Table 1 provides a summary of the optical SAR data transferred to the JPL Archives in 2015. The data were recovered in six boxes, labeled A through G. Each box contained 3, 4, or 5 series of flights, identified in the table as a subset/expedition. For each expedition there were several flights. The expeditions within each box are ordered more or less chronologically. The start and end date for each series of flights/expedition is a six-digit number, where the first two digits designate the year, the middle two digits are the month, and the last two digits are the day of month. For example, 760421 is April 21, 1976.

Appendix A provides a description of the large multinational, multi-platform Arctic Ice Dynamics Joint Experiment (AIDJEX), and the Airborne Science Shuttle Experiments Systems Simulations (ASSESS) that was conducted by the NASA Ames Airborne Science Program. The JPL Aircraft SAR Team participated in these experiments in 1976 and 1977. Appendix B provides a detailed description of the data in the JPL archives.

**Table 1. Summary of optical SAR data transferred to the JPL Archives.**

Box	Subset	Rolls	Expedition	Start	End
<b>Box A - AIDJEX / ASSESS / Joint JPL-French Experiment / Hurricane '76</b>					
A	1	1 to 7	Arctic Ice Dynamics Joint Experiment	760421	760426
A	2	8 to 17	ASSESS	770521	770626
A	3	18 to 21	Joint JPL French Experiment	790719	790723
A	4	22 to 33	Hurricane '76	760817	761003
<b>Box B - Winter '84/Summer-Fall '84/Spring '85</b>					
B	1	1 to 7	Winter '84	840217	840306
B	2	8 to 18	Summer-Fall '84	840816	841112
B	3	19 to 30	Spring '85	850314	850618
<b>Box C - AIDJEX '76/ Winter Experiment-'77 / Geology '78/ Guatemala/ Alaska '78</b>					
C	1	1 to 3	AIDJEX	760402	760409
C	2	4 to 8	Winter Experiment	770308	770320
C	3	9 to 26	Geology '78	780330	78520
C	4	27 to 35	Guatemala (Geology '78)	780414	780420
C	5	36 to 39	Alaska '78	780630	780713
<b>Box D - Geology '78 / Hurricane II '77 / Summer '82 / Summer '83</b>					
D	1	1 to 5	Geology '78	770906	771025
D	2	6 to 15	Hurricane II '77	770809	771031
D	3	16 to 19	Hurricane II '77 Extra Rolls	770825	771025
D	4	20 to 25	Summer '82 Flights	820610	820726
D	5	26 to 29	Summer '83 Flights	830811	830916
<b>Box E – Geology '80 / Summer '84 / Summer '85</b>					
E	1	1 to 7	Geology '80	800804	800924
E	2	8 to 12	Summer '84	840816	841107
E	3	13 to 26	Summer '85	850308	850713
<b>Box F - Guatemala for Walter Brown - 1977, 1978, 1980</b>					
F	1	1	Hurricane II - Guatemala - 1977 (1 Roll)	771024	771025
F	2	2 to 14	Guatemala - 1978	780414	780420
F	3	15	Guatemala - 1980 (1 Roll)	800801	800801
<b>Box G - Extra Data (780520) / Winter '79 / JSC X-Band '79-'81</b>					
G	1	1	Extra Data - 780520 (one roll)	780520	780520
G	2	2 to 5	Winter '79	790306	790307
G	3	6 to 14	JSC X-Band – '79	790426	790907
G	4	15 to 14	JSC X-Band – '80	800707	800911
G	5	6 to 14	JSC X-Band – '81	810309	810827

Appendix B describes the data in the JPL archives on a roll-by-roll basis.



## 2. Overview— JPL Aircraft Radar Expeditions in the 1970s and 1980s

The JPL aircraft SAR expeditions in the 1970s and 1980s were implemented by using the NASA Ames Airborne Science Laboratory, a commercial Convair-990 (CV-990) aircraft that NASA Ames Research Center acquired from Consolidated Vultee (Convair) when this company abandoned its commercial aircraft business in the early 1970s. NASA Ames' Airborne Science Branch converted this CV-990 aircraft to an airborne laboratory that provided a platform for the JPL Aircraft SAR expeditions as well as for other experiments. In particular, the JPL Aircraft SAR was operated annually using this platform. JPL radar engineers mounted their equipment in and on the aircraft. For a typical CV-990 expedition season, there could be a dozen or so experiments. Typical JPL Aircraft SAR deployments were typically one to two months long.

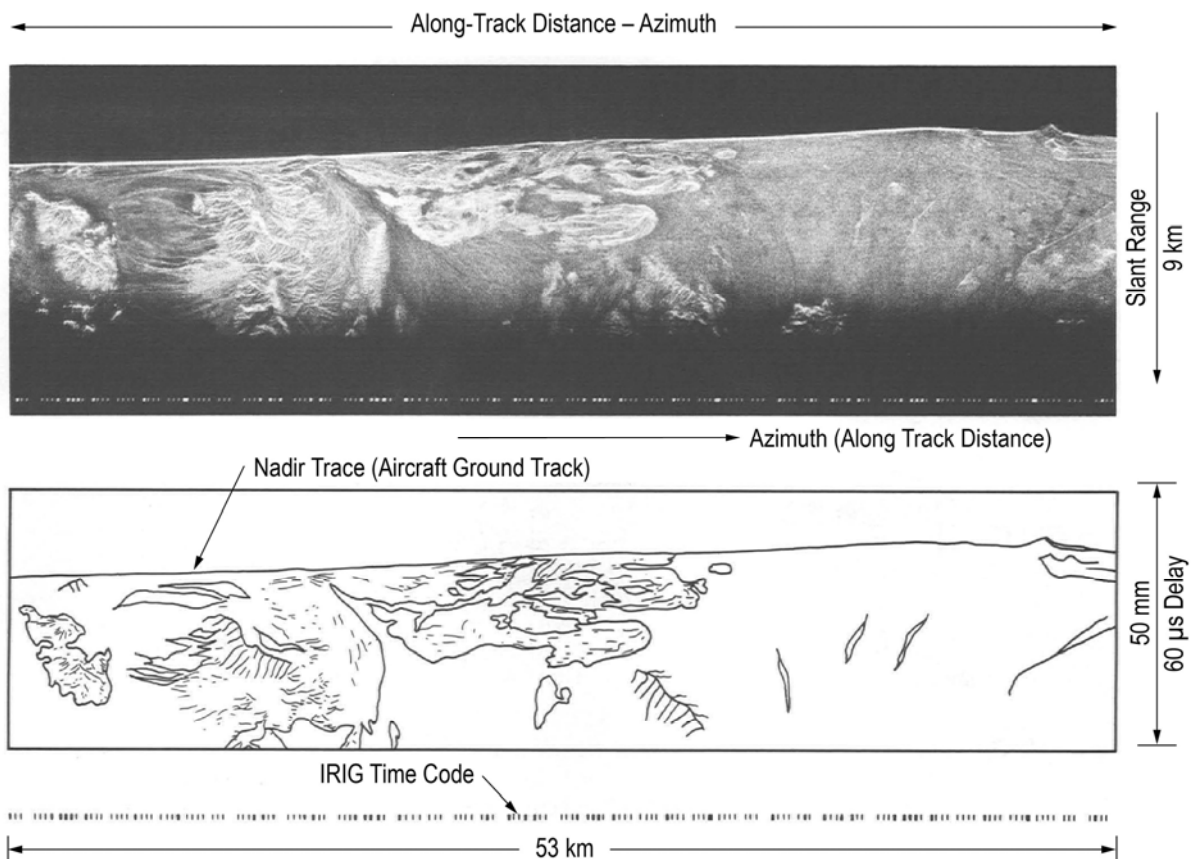
This provided the means whereby the JPL Aircraft Radar Group could validate SAR techniques. The control and recording elements were mounted in the cabin, where they could be operated in a shirt sleeves environment. Transmitters and receivers were mounted in the baggage compartment. The antenna was mounted on a spare baggage compartment door that enabled an easy installation. The CV-990 was typically flown at 20,000 feet up to usual commercial jet altitudes of 30,000 to 36,000 feet. Table 2 provides the radar parameters, based on those used in 1984 and 1985 (Thompson et al., 1986).

As noted above, the JPL Aircraft SAR data in the 1970s and 1980s were recorded optically on long strips of film. SAR imagery was produced via an optical, holographic technique that resulted in long strips of film imagery like that shown in Figure 2. Here, radar reflectivity is shown in different tones of grey from white to black. Brightest reflections, shown as white, are associated with terrain favorably tilted toward the radar, and structures aligned parallel to the aircraft. Weakest radar reflections shown as black, e.g., those before the nadir trace, sloped areas tilted away from the aircraft, and the smooth areas associated with airports. These are displayed vertically in slant range (the distance to the reflector from the aircraft) and horizontally as the azimuth (the distance along the aircrafts ground track). Typical optical SAR data are on 70-mm film rolls that are several feet long.

The production of optically processed aircraft SAR data ended abruptly on the afternoon of July 17, 1985 when the JPL aircraft radar and the Airborne Science Laboratory were destroyed in a fire. The aircraft tires exploded during the takeoff roll, shrapnel from a metal tire rim penetrated the right-wing fuels tanks, and shortly thereafter, the entire aircraft was engulfed in a fire. The aircraft radar was rebuilt and the CV-990 aircraft was replaced by a DC-8 aircraft obtained from Braniff airlines. Many more aircraft radar expeditions were conducted in the latter half of the 1980s into the 1990s. These produced digital imagery described by Thompson, et al. (1986). Key personnel involved with this rebuilding of the JPL aircraft SAR were Walter Brown Jr. Mike Kobrick, John McCluskey, Tim Miller, Yunling Lou, Mimi Paller, Gonzalo Romero, Tak Sato, Kevin Wheeler, Key personnel involved with production and distribution of data from rebuilt aircraft SAR were Richard Carrande, Anhua Chu, Leon Maldonado, and Michelle Vogt. The last AIRSAR flight on the NASA Ames DC-8 aircraft was in December 2004.

**Table 2. Radar parameters, based on those used in 1984 and 1985 (Thompson, et al., 1986).**

Parameter	Value
Frequency (L-Band/X-Band)	1225 MHz / 7930 MHz
Wavelength (L-Band/X-Band)	24.6 cm / 3.8 cm
Pulse Length	4.9 $\mu$ s
Bandwidth	19.3 MHz
Transmitted Polarizations	Horizontal (H) and Vertical (V)
Received Polarizations	HH, HV, VV, VH
Nominal Altitude	20,000 – 40,000 ft
Nominal Velocity	400 – 500 kts
Look Angle Range	0 – 60°
Optical Sweep Time	55 $\mu$ s



**Figure 2. Typical optically processed aircraft SAR imagery- Cima volcanic field, southeastern California.**

### 3. End-to-End System Overview

JPL Aircraft SAR operations, as shown in Figure 3, were conducted in three phases:

- Pre-flight planning,
- Real-time operations, and
- Post-flight processing.

Preflight planning consisted of collecting user inputs for sites to be observed. User inputs in the form of sites were used by the NASA Ames Research Center navigators to generate flight plans and by the radar operators for real-time operations. Real-time operations consisted of conducting the flights and performing the radar observations based on flight plans that were generated the day before. Outputs of the real-time operations were the optical signal films and the radar logs. Commencing in mid-1980s, the JPL Aircraft SAR also produced digital signal recordings in the form of high-density digital tapes (HDDTs). Post-flight processing consisted of the production of imagery. The present report covers the optical SAR data.

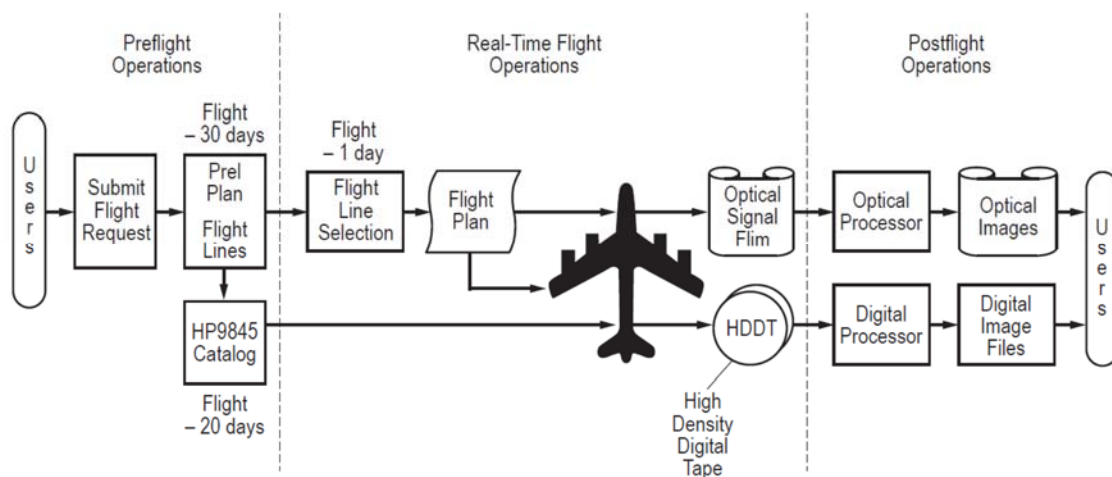


Figure 3. Overview of end-to-end aircraft SAR operations.

#### 3.1. Preflight Operations

Figure 4 is an overview of the JPL Aircraft SAR geometries used for pre-flight and real-time operations. Sites were designated by a site latitude and longitude, a heading, an angle of incidence for the center of the site, and by a start and end waypoints. These parameters were specified well before a flight and were used for flight planning by the NASA Ames CV-990 navigators as well as for radar operations during the flights.

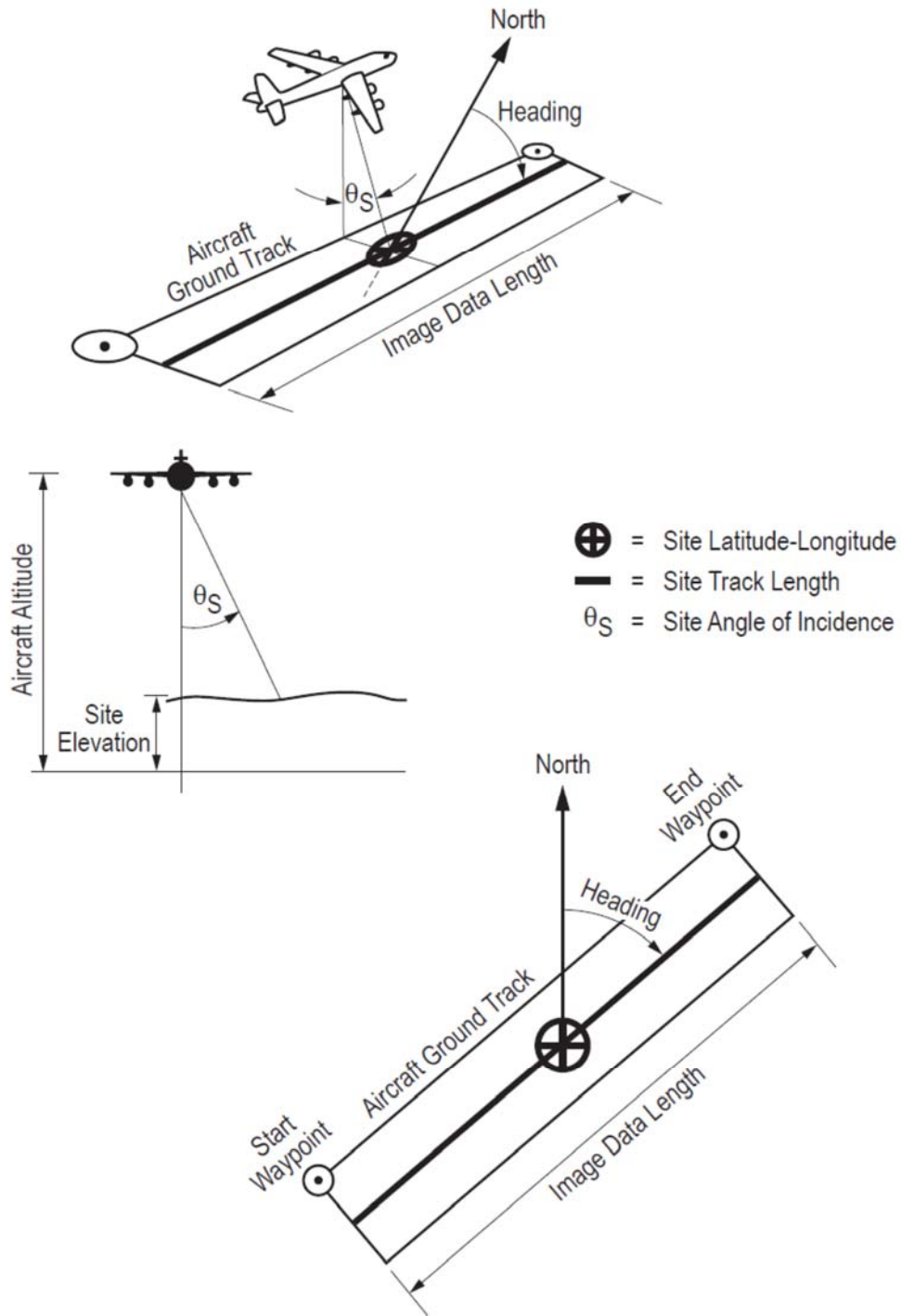
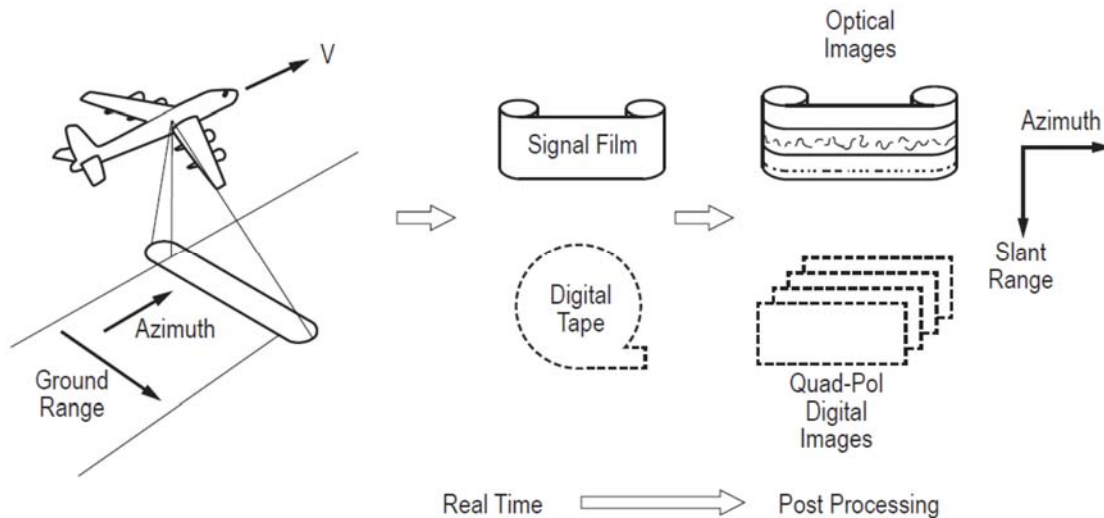


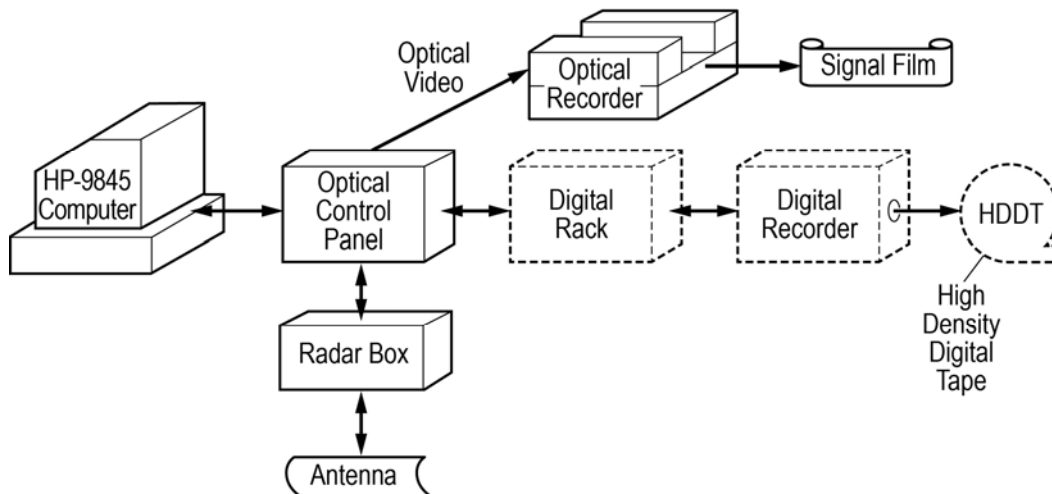
Figure 4. JPL aircraft SAR geometry – designating sites for flight planning.

### 3.2. Real-Time Operations

Figures 5, 6, and 7 provide an overview of real-time operations and radar equipment used during the acquisition of the raw optical data. Figure 5 shows how the real-time radar echoes were recorded optically on a signal film – vertically in slant range (the distance to the reflector from the aircraft) and horizontally as the azimuth (the distance along the aircrafts ground track). As noted above, there was a transition in the 1980s from optical recording and correlation to digital recording and correlation, this report only addresses the optical recording and correlation.



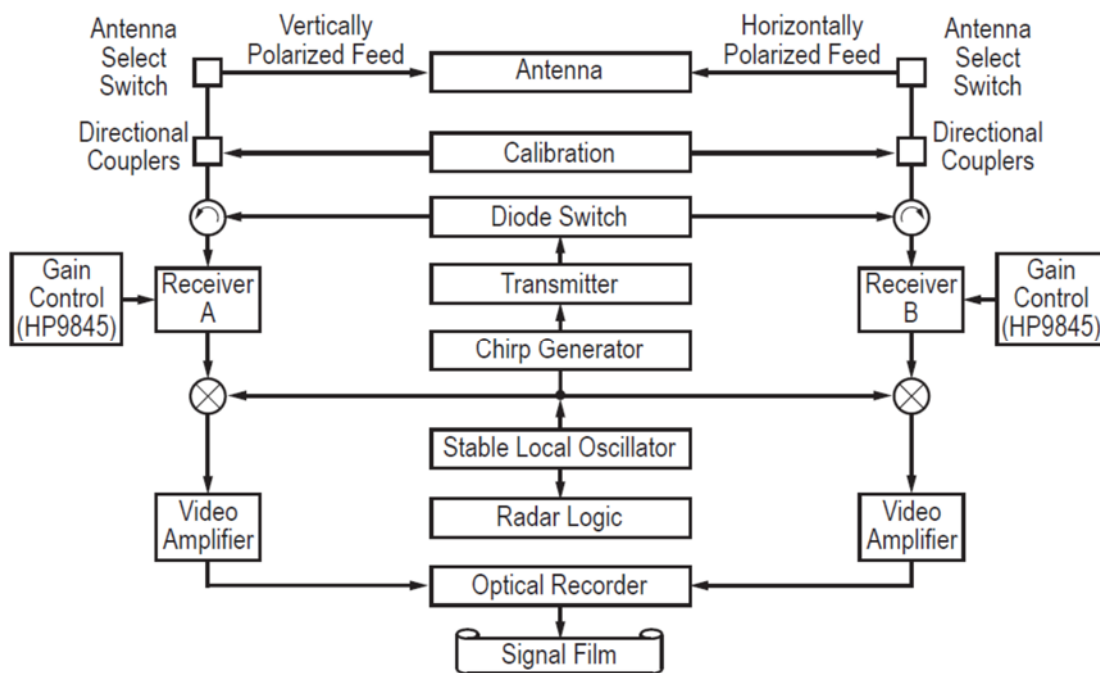
**Figure 5. Overview of JPL Aircraft SAR real-time and subsequent processing. Real-time operations produced the signal film, which was subsequently processed (correlated) to optical images. In the mid-1980s there was a transition to digital recording and processing that is shown here by the dashed lines.**



**Figure 6. Physical layout of the JPL Aircraft SAR.**

Figure 6 provides an overview of the physical layout of the JPL Aircraft SAR as it was installed in the aircraft. The radar box generated high power radar pulses that were routed to the antenna.

Radar echoes detected with the same antenna were routed to the radar box where they were subsequently amplified and recorded on the optical and digital recorders. The radar box was located in the baggage compartment, and the antenna was mounted on baggage compartment door. Circuitry for generating radar commands and recording echoes was controlled by an optical control panel located on the main floor of the aircraft. The optical control panel, in turn, was controlled by an HP-9845 desktop computer. In 1984 and 1985, raw digital data were recorded via a digital rack and high density digital recorder onto high-density digital tapes (HDDTs).



**Figure 7. Detailed Overview Radar Equipment associated with JPL Aircraft SAR on the Aircraft.**

Figure 7 provides a more detailed overview of the radar as it was operated onboard the aircraft. A key element is the stable local oscillator (STALO) that provided a high-fidelity frequency tone for the radar pulses, as well, as overall radar timing. Transmitted pulses were generated in a chain consisting of STALO, chirp (radar pulse) generator, transmitter high-power amplifier and diode switch that routed to the horizontally or vertically polarized antenna feeds. Radar echoes were received through a chain from the horizontally or vertically polarized antenna feeds to the radar receivers A and B, then to the video amplifiers, and ending at the optical recorder. Gain control by the HP9845 computer included the capability of adjusting echo strength as a function of range via sensitivity time control (STC). Here, echoes were modulated on a microsecond-by-microsecond basis via empirical estimations of echo power for three nominal surfaces (smooth, medium, rough) The output of this receiver chain was the signal film, which, in turn, returned after the flight for processing on optical correlators at JPL.

### 3.3. Post-Flight Data Processing

Figures 8 and 9 illustrate the post-flight processing via optical correlation. Figure 8 shows the chain of optical correlation processing from the optical signal film recorded in-flight to optical image film (referred to as negatives), and then to strip contact prints (referred to as positives). Most of the positive prints are in the form of paper prints; with a few positive prints being in the form of positive transparencies.

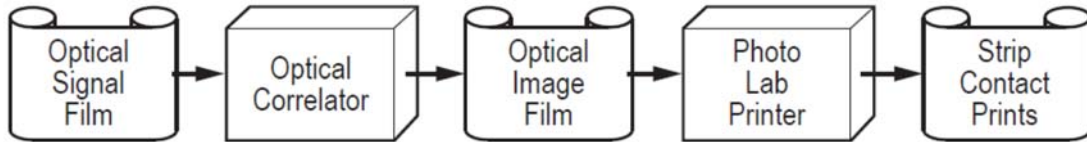


Figure 8. Overview of post-flight optical processing.

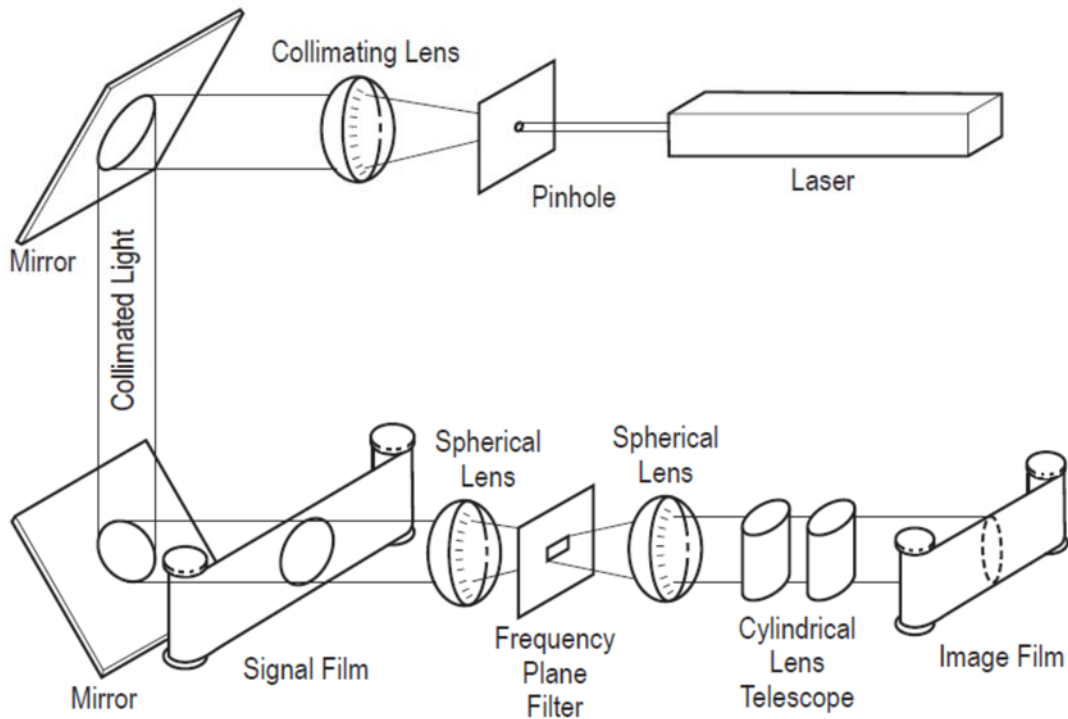


Figure 9. Detailed overview of post-flight optical processing.

Figure 9 provides a more detailed overview of the post-flight processing via optical correlation. A laser beam was directed onto a pinhole followed by a collimating lens that created a collimated coherent light beam used to illuminate the signal film. The light transmitted through the signal film is focused via a series of spherical and cylindrical lenses to form a radar image on the film. A frequency-plane filter enabled the processing to select frequency bands.



#### 4. The Johnson Space Center (JSC) X-Band Data Acquisitions

A number of data acquisitions by this JSC X-band system are in the archived data collection. In 1979, 1980, and 1981, the aircraft X-band SAR data were acquired for a number of geologic sites via a system flown by JSC's Earth Resources Branch using a converted WB-57 Canberra aircraft shown in Figure 10. This X-Band SAR system was likely operated by Goodyear or derived from the Goodyear radar. Commencing in 1951, Goodyear Aircraft Company played a key role in numerous SAR firsts. These included the original SAR patent and the first commercial SAR. The company has flown more than 500 individual SAR systems on more than 30 different types of aircraft for numerous countries throughout the world.



**Figure 10. Johnson Space Center Earth Resources WB-57 Canberra aircraft used for the JSC X-band data acquisitions.**



## 5. Summary

As noted above, this report describes data from the JPL aircraft radar expeditions in the early 1970s through the mid-1980s that were collected by one of us (RGB) from the mid-1970s through the mid-1980s. SAR data in this period were recorded optically in real time on long strips of film. SAR imagery was produced via an optical, holographic technique that resulted in long strips of film imagery. The JPL aircraft radar expeditions provided valuable experience in the geologic interpretation of terrestrial data from the Seasat and SIR space missions.

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## Acronyms

AIDJEX	Arctic Ice Dynamics Joint Experiment
ASSESS	Airborne Science/Shuttle Experiment System Simulations
CV	Consolidated Vultee (Convair)
DC-8	Douglas Commercial (aircraft-Model 8)
HDDT	high-density digital tape
HH	transmit horizontal – receive horizontal
HV	transmit horizontal – receive vertical
IRIG	Inter-Range Instrumentation Group
JPL	Jet Propulsion Laboratory
JSC	Johnson Space Center
MHz	megahertz
NASA	National Aeronautics and Space Administration
Quad-Pol	quadrature polarization
SAR	Synthetic Aperture Radar
Seasat	Sea Satellite (sometimes referred to as SeaSat)
SIR	Spaceborne Imaging Radar (also referred to as Shuttle Imaging Radar)
STALO	stable local oscillator
STC	Sensitivity Time Control
USS	United States Ship
VH	Transmit Vertical – Receive Horizontal
VV	Transmit Vertical – Receive Vertical
WB-57	Martin Reconnaissance and Electronic Warfare Canberra aircraft

## **Appendix A – AIDJEX and ASSESS**

### **A.1 AIDJEX – Arctic Ice Dynamics Joint Experiment**

The Arctic Ice Dynamics Joint Experiment (AIDJEX) was a major comprehensive sea ice study in the Arctic/Beaufort Sea that took place primarily in 1975 and 1976. This AIDJEX program was the first major western sea ice experiment designed specifically to answer key questions about how sea ice moves and changes in response to the influence of ocean and atmosphere. A pilot study in 1972 was followed by the full-up AIDJEX field program in 1975 and 1976 with the JPL Aircraft SAR Team participating in 1976.

Researchers maintained four manned camps on Beaufort Sea ice floes where they collected meteorological and oceanographic data from instruments located at the camps and on floating data buoys. AIDJEX collected coordinated measurements over a year in order to have the right combination of data for understanding atmosphere and ice interactions. The submarine USS *Gurnard* participated by collecting data on ice draft, which is a proxy for ice thickness from upward-looking acoustical soundings (sonar).

The University of Washington led the logistics and research work of the program, which was a collaboration between the United States, Canada, and Japan. Norbert Untersteiner was instrumental in the design of AIDJEX and served as Project Director from 1971 to 1978. The Polar Science Center at the University of Washington maintains an AIDJEX electronic library (AIDJEX Electronic Library), which includes the contents of all 40 AIDJEX Bulletins from 1970 to 1978.

### **A.2 ASSESS – Airborne Science Shuttle Experiments Systems Simulations**

A special NASA program, called ASSESS (Airborne Science/Shuttle Experiment System Simulations) was conducted in 1970s by the NASA Ames Airborne Science Program to provide exhaustive studies of the airborne-science concept as it may apply to Shuttle planning. For the JPL Aircraft SAR Program, this was a series of aircraft SAR data acquisitions undertaken in May and June 1977 to understand the ability of the Shuttle Imaging Radar to produce interpretable data geologic data. In total seven aircraft flights were undertaken.

## **Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

The following Archives finding aid (JPL576) dated December 15, 2015, is unchanged except for some reformatting to fit inside wider margins and renumbering to be an appendix.

Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)

5.7 cubic feet  
JPL576

**Scope and Content**

This collection contains materials created and organized by Dr. Ronald Blom, relating to early Synthetic Aperture Radar experiments and sea ice experiments conducted by JPL. Specifically, it contains image data from JPL aircraft radar expeditions flown in the 1970s and 1980s. These expeditions recorded and optically processed radar images of terrestrial data using Synthetic Aperture Radar (SAR). These expeditions laid the foundation for later satellite missions, such as Seasat and the Spaceborne Imaging Radar (SIR) missions, which would use similar techniques to further Earth science studies.

**Background Note**

Prior to the development of SAR instruments for satellites like Seasat and those flown on the shuttle, several aircraft SAR expeditions were flown in the 1970s. These were carried out at NASA's Ames Airborne Laboratory aboard a commercial Convair-990 aircraft. The Ames Airborne Laboratory conducted a number of expeditions throughout each year of the study, where optical and radar experiments mounted in and on the aircraft captured terrestrial geographic data. SAR data was recorded optically on long strips of film. These experiments provided validation for SAR techniques and calibration for other SAR missions. Additional, extensive background information has been prepared by engineer Dr. Thomas W. Thompson (3300), and is included in an appendix at the end of this document. Thompson was a contributor on the aircraft SAR project.

**Arrangement and Description**

Items are arranged chronologically by expedition. Each expedition set corresponds with a letter and a series of boxes (**19 boxes total**):

**Expedition A (4 boxes)** – AIDJEX (Beaufort Sea) / ASSESS/ Joint JPL-French Experiment / Hurricane 1976

**Expedition B (3 boxes)** – Winter 1984 / Summer-Fall 1984 / Spring 1985

**Expedition C (3 boxes)** – AIDJEX (Beaufort Sea) / Winter Experiment / Geology 1978 / Guatemala (Geology 1978) / Alaska 1978

**Expedition D (3 boxes)** – AIDJEX (Beaufort Sea) / Winter Experiment / Geology 1978 / Guatemala (Geology 1978) / Alaska 1978

**Expedition E (3 boxes)** – Geology 1980 / Summer 1984 / Summer 1985

**Expedition F (2 boxes)** – Guatemala for Walter Brown – 1977, 1978, 1980

**Expedition G (1 box)** – Extra Data (780520) / Winter 1979 / JSC X-band 1979-1981

The data from each lettered expedition is contained in multiple boxes. Most of the film rolls are in seventeen 12x14x3" boxes, and larger rolls are in two 5x12x10" boxes. Within these lettered boxes, individual rolls of the SAR data have been labeled, organized, and described. Information for each roll is organized in this document roughly according to the following scheme:

**[Date, format 'YYMMDD-#']** – ex. 780520-1

**[Title]** – ex. Extra Data Channel D

**[Location – Runs – Comments]** – ex. Pasadena – 13 Runs –L-band H-V with STC

**[Film format, Positive or Negative]** – ex. Negative

## Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)

### Provenance

The collection was donated to the JPL Archives by Thomas W. Thompson (3300) in August 2015, and concurrently processed by archivists Kristin DeAnfrasio (2733) and Camille Mathieu (2733).

### Access Restriction

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### Acronym List and Technical Notes

<b>AIDJEX</b>	Arctic Ice Dynamics Joint Experiment
<b>ASSESS</b>	Airborne Science Shuttle Experiments Systems Simulations
<b>H-H</b>	Horizontal-Horizontal ( <i>indicates transmit</i> Horizontal, <i>receive</i> Horizontal)
<b>H-V</b>	Horizontal-Vertical ( <i>indicates transmit</i> Horizontal, <i>receive</i> Vertical)
<b>JSC</b>	Johnson Space Center
<b>L-band</b>	1 to 2 GHz frequency range
<b>OR</b>	Optical Run / Roll
<b>NOSC</b>	Naval Ocean Systems Center
<b>STC</b>	Sensitivity Time Control
<b>V-H</b>	Vertical-Horizontal ( <i>indicates transmit</i> Vertical, <i>receive</i> Horizontal)
<b>V-V</b>	Vertical-Vertical ( <i>indicates transmit</i> Vertical, <i>receive</i> Vertical)
<b>X-band</b>	8 to 12 GHz frequency range

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

**BOX A-1 (1 of 19)**      **AIDJEX (Beaufort Sea) / ASSESS/ Joint JPL-French Experiment / Hurricane 1976**

Roll 1      760412-1  
AIDJEX – Channel A  
L-band H-V / V-V / H-H – 6 Runs / No Run IDs  
Negative

Roll 2      760412-2  
AIDJEX – Channel B  
L-band H-H & V-V – 6 Runs / No Run IDs  
Negative

760412-3  
AIDJEX – Channel B  
L-band H-H – ?? Runs / No Run IDs  
Negative

760412-4 and 760413-1  
AIDJEX – Channel B  
L-band V-V – ?? Runs / No Run IDs  
Negative

760413-2  
AIDJEX – Channel B  
L-band H-H & V-V – 4 Runs / No Run IDs  
Negative

Roll 3      760425-1  
AIDJEX – Channel B  
L-band H-H & V-V – 6 Runs / No Run IDs  
Negative

Roll 4      760412-1  
AIDJEX – Channel D – X-band  
X-band – ?? Runs / No Run IDs  
Negative

760412-2  
AIDJEX – Channel D – X-band  
X-band – ?? Runs / No Run IDs  
Negative

760412-3 and 760413-1  
AIDJEX – Channel D – X-band  
X-band – ?? Runs / No Run IDs  
Negative

760413-2 and 760413-3  
AIDJEX – Channel D – X-band  
X-band – ?? Runs / No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 5            760425-4 and 760426-1  
AIDJEX – Channel D – X-band  
X-band – ?? Runs / No Run IDs  
Negative

                  760426-2  
AIDJEX – Channel D – X-band  
X-band – ?? Runs / No Run IDs  
Negative

                  760426-3  
AIDJEX – Channel D – X-band  
X-band – ?? Runs / No Run IDs  
Negative

Roll 8            770524-1  
ASSESS – Channel A  
L-band H-V with STC - 770524-1 – 8 Runs / No Run IDs  
Negative

                  770525-1  
ASSESS – Channel A  
L-band H-V with STC – 14 Runs / No Run IDs  
Negative

                  770529-1  
ASSESS – Channel A  
L-band H-V with STC – 15 Runs / No Run IDs  
Negative

                  770531-2  
ASSESS – Channel A  
L-band H-V with STC – 7 Runs / No Run IDs  
Negative

                  770615-4  
ASSESS – Channel A  
L-band H-V with STC – 1 Run / No Run IDs  
Negative

                  770626-1  
ASSESS – Channel A  
L-band H-V no STC – 1 Run / No Run IDs  
Negative

Roll 9            770521-1  
ASSESS – Channel B  
L-band H-H with STC – 5 Runs / No Run IDs  
Negative



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770524-1  
ASSESS – Channel B  
L-band H-H with STC – 8 Runs / No Run IDs  
Negative

770525-1  
ASSESS – Channel B  
L-band H-H with STC – 15 Runs / No Run IDs  
Negative

770526-2  
ASSESS – Channel B  
L-band H-H Single Look – ?? Runs / No Run IDs  
Negative

770529-1  
ASSESS – Channel B  
L-band H-H with STC – 13 Runs / No Run IDs  
Negative

770531-1  
ASSESS – Channel B  
L-band H-H with STC – 1 Run – No Run IDs  
Negative

770615-4  
ASSESS – Channel B  
L-band H-H with STC – 1 Run / No Run IDs  
Negative

770626-1  
ASSESS – Channel B  
L-band H-H with STC – 1 Run / No Run IDs  
Negative

Roll 10 770521-1  
ASSESS – Channel C  
L-band H-H with STC – 2 Runs / No Run IDs  
Negative

770526-1  
ASSESS – Channel C  
L-band H-V with STC – ?? Runs / No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770529-1  
ASSESS – Channel C  
L-band H-V with STC – 13 Runs / No Run IDs  
Negative

770531-2  
ASSESS – Channel C  
L-band H-V with STC – 13 Runs / No Run IDs  
Negative

770615-1 and 770615-2  
ASSESS – Channel C  
L-band H-H with STC – Run 4 Only / No Run IDs  
Negative

Roll 11      770526-1  
ASSESS – Channel D  
L-band & X-band H-H – 1 Run / No Run IDs  
Negative

770529-2  
ASSESS – Channel D  
L-band H-H with STC – 13 Runs / No Run IDs  
Negative

770531-1  
ASSESS – Channel D  
L-band H-H with STC – 7 Runs / No Run IDs  
Negative

770615-3  
ASSESS – Channel D  
L-band H-H with STC – 4 Runs / No Run IDs  
Negative

Roll 12      770529-1  
ASSESS – Channel B – 1 Look  
L-band H-H with STC – 13 Runs / No Run IDs  
Negative

Roll 13      770529-1  
ASSESS – Channel B – 4 Looks  
L-band H-H with STC – 17 Runs / No Run IDs  
Negative

Roll 14      770531-1  
ASSESS – Channel A  
L-band H-V with STC – 7 Runs / No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 15      770531-1  
ASSESS – Channel B  
L-band H-H with STC – 13 Runs / No Run IDs  
Negative

Roll 16      770531-1  
ASSESS – Channel C  
L-band V-V with STC – 13 Runs / No Run IDs  
Negative

Roll 17      770531-1  
ASSESS – Channel D  
L-band H-C with STC – 13 Runs / No Run IDs  
Negative

Roll 18  
(1 of 2)      790719-1  
Joint JPL French Experiment Channel A / L-band H-V with STC  
Runs 1-4 – V de Seine / Runs 5-6 – Orleans / Runs 7-14 – Morran  
Negative

790720-1 and 790721-1  
Joint JPL French Experiment Channel A / L-band H-V with STC  
Runs 1-9 – Les Dombes / Runs 10-18 – Nyons / Runs 19-20 – Dignes  
Negative

790721-2 and 790722-1  
Joint JPL French Experiment Channel A / L-band H-V with STC  
Runs 1-2 – St. Tropez / Runs 3-10 – Les Vans / Runs 11-12 – Toulouse  
Negative

790722-2  
Joint JPL French Experiment Channel A / L-band H-V with STC  
Runs 1-4 – Bordeaux / Runs 5-8 – Pte de Gironde  
Negative

790723-1  
Joint JPL French Experiment Channel A / L-band H-V with STC  
Runs 1-3 – Omaha Beach  
Negative

Roll 18  
(2 of 2)      790719-1  
Joint JPL French Experiment Channel A / L-band H-V with STC  
Runs 1-4 – V de Seine / Runs 5-6 – Orleans / Runs 7-14 – Morran  
Positive

790720-1 and 790721-1  
Joint JPL French Experiment Channel A / L-band H-V with STC  
Runs 1-9 – Les Dombes / Runs 10-18 – Nyons / Runs 19-20 – Dignes  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

790721-2 and 790722-1  
Joint JPL French Experiment Channel A / L-band H-V with STC  
Runs 1-2 – St. Tropez / Runs 3-10 – Les Vans / Runs 11-12 – Toulouse  
Positive

790722-2  
Joint JPL French Experiment Channel A / L-band H-V with STC  
Runs 1-4 – Bordeaux / Runs 5-8 – Pte de Gironde  
Positive

790723-1  
Joint JPL French Experiment Channel A / L-band H-V with STC  
Runs 1-3 – Omaha Beach  
Positive

Roll 19  
(1 of 2)

790719-1  
Joint JPL French Experiment Channel B / L-band H-H with STC  
Runs 1-4 – V de Seine / Runs 5-6 – Orleans / Runs 7-14 – Morran  
Negative

790720-1 and 790721-1  
Joint JPL French Experiment Channel B / L-band H-H with STC  
Runs 1-9 – Les Dombes / Runs 10-18 – Nyons / Runs 19-20 – Dignes  
Negative

790721-2 and 790722-1  
Joint JPL French Experiment Channel B / L-band H-H with STC  
Runs 1-2 – St. Tropez / Runs 3-10 – Les Vans / Runs 11-12 – Toulouse  
Negative

790722-1  
Joint JPL French Experiment Channel B / L-band H-H with STC  
Runs 1-4 – Bordeaux / Runs 5-8 – Pte de Gironde  
Negative

790723-1  
Joint JPL French Experiment Channel B / L-band H-H with STC  
Runs 1-3 – Omaha Beach  
Negative

Roll 19  
(2 of 2)

790719-1  
Joint JPL French Experiment Channel B / L-band H-H with STC  
Runs 1-4 – V de Seine / Runs 5-6 – Orleans / Runs 7-14 – Morran  
Positive

790720-1 and 790721-1  
Joint JPL French Experiment Channel B / L-band H-H with STC  
Runs 1-9 – Les Dombes / Runs 10-18 – Nyons / Runs 19-20 – Dignes  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

790721-2 and 790722-1  
Joint JPL French Experiment Channel B / L-band H-H with STC  
Runs 1-2 – St. Tropez / Runs 3-10 – Les Vans / Runs 11-12 – Toulouse  
Positive

790722-1  
Joint JPL French Experiment Channel B / L-band H-H with STC  
Runs 1-4 – Bordeaux / Runs 5-8 – Pte de Gironde  
Positive

790723-1  
Joint JPL French Experiment Channel B / L-band H-H with STC  
Runs 1-3 – Omaha Beach  
Positive

**BOX A-2      AIDJEX (Beaufort Sea) / ASSESS/ Joint JPL-French Experiment / Hurricane 1976  
(2 of 19)**

Roll 20      790719-1  
(1 of 2)      Joint JPL French Experiment Channel C / L-band H-V with STC  
Runs 1-4 – V de Seine / Runs 5-6 – Orleans / Runs 7-14 – Morran  
Negative

790720-1 and 790721-1  
Joint JPL French Experiment Channel C / L-band H-V with STC  
Runs 1-9 – Les Dombes / Runs 10-18 – Nyons / Runs 19-20 – Dignes  
Negative

790721-2 and 790722-1  
Joint JPL French Experiment Channel C / L-band H-V with STC  
Runs 1-2 – St. Tropez / Runs 3-10 – Les Vans / Runs 11-12 – Toulouse  
Negative

790722-1  
Joint JPL French Experiment Channel C / L-band H-V with STC  
Runs 1-4 – Bordeaux / Runs 5-8 – Pte de Gironde  
Negative

790723-1  
Joint JPL French Experiment Channel C / L-band H-V with STC  
Runs 1-3 – Omaha Beach  
Negative

Roll 20      790719-1  
(2 of 2)      Joint JPL French Experiment Channel C / L-band H-V with STC  
Runs 1-4 – V de Seine / Runs 5-6 – Orleans / Runs 7-14 – Morran  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

790720-1 and 790721-1

Joint JPL French Experiment Channel C / L-band H-V with STC  
Runs 1-9 – Les Dombes / Runs 10-18 – Nyons / Runs 19-20 – Dignes  
Positive

790721-2 and 790722-1

Joint JPL French Experiment Channel C / L-band H-V with STC  
Runs 1-2 – St. Tropez / Runs 3-10 – Les Vans / Runs 11-12 – Toulouse  
Positive

790722-1

Joint JPL French Experiment Channel C / L-band H-V with STC  
Runs 1-4 – Bordeaux / Runs 5-8 – Pte de Gironde  
Positive

790723-1

Joint JPL French Experiment Channel C / L-band H-V with STC  
Runs 1-3 – Omaha Beach  
Positive

Roll 21  
(1 of 2)

790719-1

Joint JPL French Experiment Channel D / L-band H-H with STC  
Runs 1-4 – V de Seine / Runs 5-6 – Orleans / Runs 7-14 – Morran  
Negative

790720-1 and 790721-1

Joint JPL French Experiment Channel D / L-band H-H with STC  
Runs 1-9 – Les Dombes / Runs 10-18 – Nyons / Runs 19-20 – Dignes  
Negative

790721-2 and 790722-1

Joint JPL French Experiment Channel D / L-band H-H with STC  
Runs 1-2 – St. Tropez / Runs 3-10 – Les Vans / Runs 11-12 – Toulouse  
Negative

790722-1

Joint JPL French Experiment Channel D / L-band H-H with STC  
Runs 1-4 – Bordeaux / Runs 5-8 – Pte de Gironde  
Negative

790723-1

Joint JPL French Experiment Channel D / L-band H-H with STC  
Runs 1-3 – Omaha Beach  
Negative

Roll 21  
(2 of 2)

790719-1

Joint JPL French Experiment Channel D / L-band H-H with STC  
Runs 1-4 – V de Seine / Runs 5-6 – Orleans / Runs 7-14 – Morran  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

790720-1 and 790721-1  
Joint JPL French Experiment Channel D / L-band H-H with STC  
Runs 1-9 – Les Dombes / Runs 10-18 – Nyons / Runs 19-20 – Dignes  
Positive

790721-2 and 790722-1  
Joint JPL French Experiment Channel D / L-band H-H with STC  
Runs 1-2 – St. Tropez / Runs 3-10 – Les Vans / Runs 11-12 – Toulouse  
Positive

790722-1  
Joint JPL French Experiment Channel D / L-band H-H with STC  
Runs 1-4 – Bordeaux / Runs 5-8 – Pte de Gironde  
Positive

790723-1  
Joint JPL French Experiment Channel D / L-band H-H with STC  
Runs 1-3 – Omaha Beach  
Positive

Roll 22      760817-1  
Hurricane '76 / Channel B  
L-band H-H – ?? Runs / No Run IDs  
Positive

760823-4 and 760824-1  
Hurricane '76 / Channel B  
L-band H-H – ?? Runs / No Run IDs  
Positive

760922-1  
Hurricane '76 / Channel B  
L-band H-H – Runs 1-6 (Run 5 removed) / No Run IDs  
Positive

Roll 23      760817-1  
Hurricane '76 / Channel A  
X-band H-H – ?? Runs / No Run IDs  
Positive

760823-4 and 760824-1  
Hurricane '76 / Channel A  
X-band H-H – ?? Runs / No Run IDs  
Positive

761001-1  
Hurricane '76 / Channel B  
X-band H-H – ?? Runs / No Run IDs  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 24

760824-2  
Hurricane '76 / Channel A  
X-band H-H with STC – ?? Runs / No Run IDs  
Positive

760825-1  
Hurricane '76 / Channel A  
X-band H-H with STC – ?? Runs / No Run IDs  
Positive

760831-1  
Hurricane '76 / Channel A  
X-band H-H with STC – ?? Runs / No Run IDs  
Positive

760831-2  
Hurricane '76 / Channel A  
X-band H-H with STC – ?? Runs / No Run IDs  
Positive

760928-2  
Hurricane '76 / Channel A  
X-band H-H with STC – ?? Runs / No Run IDs  
Positive

Roll 25

760817-1  
Hurricane '76 / Channel B#1  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

760823-4 and 760824-1  
Hurricane '76 / Channel B#1  
Both L-band H-H with STC – ?? Runs / No Run IDs  
Positive

760922-1  
Hurricane '76 / Channel B#1  
L-band H-H – 5 Runs / No Run IDs  
Positive

761001-2  
Hurricane '76 / Channel B#1  
X-band H-H – ?? Runs / No Run IDs  
Positive

760930-2  
Hurricane '76 / Channel B#1  
X-band H-H with STC – ?? Runs / No Run IDs  
Positive



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

761001-2  
Hurricane '76 / Channel B#1  
X-band H-H with STC – ?? Runs / No Run IDs  
Positive

Roll 26      760824-1  
Hurricane '76 / Channel C#1  
X-band H-H – ?? Runs / No Run IDs  
Positive

760824-2  
Hurricane '76 / Channel C#1  
X-band H-H – ?? Runs / No Run IDs  
Positive

760824-3  
Hurricane '76 / Channel C#1  
X-band H-H with STC – ?? Runs / No Run IDs  
Positive

760825-1  
Hurricane '76 / Channel C#1  
X-band H-H – ?? Runs / No Run IDs  
Positive

760831-1  
Hurricane '76 / Channel C#1  
X-band H-H – ?? Runs / No Run IDs  
Positive

760831-2  
Hurricane '76 / Channel C#1  
X-band H-H – ?? Runs / No Run IDs  
Positive

760928-1 and 760930-1  
Hurricane '76 / Channel C#1  
Both X-band H-H with STC – ?? Runs / No Run IDs  
Positive

760930-2  
Hurricane '76 / Channel C#1  
X-band H-H with STC – ?? Runs / No Run IDs  
Positive

Roll 27      760824-1  
Hurricane '76 / Channel D  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

760824-2  
Hurricane '76 / Channel D  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

760824-3  
Hurricane '76 / Channel D  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

760825-1  
Hurricane '76 / Channel D  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

Roll 28

760824-1  
Hurricane '76 / Channel C  
X-band H-H – ?? Runs / No Run IDs  
Positive

760824-1  
Hurricane '76 / Channel C  
X-band H-H – Run 8 Only / No Run IDs  
Positive

760824-2  
Hurricane '76 / Channel C  
X-band H-H – Runs 2-12 Only / No Run IDs  
Positive

760825-1  
Hurricane '76 / Channel C  
X-band H-H – ?? Runs / No Run IDs  
Positive

760831-2  
Hurricane '76 / Channel C  
X-band H-H – ?? Runs / No Run IDs  
Positive

Roll 30

760928-1  
Hurricane '76 / Channel D  
X-band H-H no STC – ?? Runs / No Run IDs  
Positive

760930-1  
Hurricane '76 / Channel D  
X-band H-H no STC – ?? Runs / No Run IDs  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 32      760817-1  
Hurricane '76 / Channel B#2  
L-band H-H Configured for Surface Imagery – ?? Runs / No Run IDs  
Positive

760823-4 and 760824-1  
Hurricane '76 / Channel B#2  
L-band H-H – ?? Runs / No Run IDs  
Positive

760922-1  
Hurricane '76 / Channel B#2  
L-band H-H 40Hz Doppler bandwidth – 6 Runs with Run 5 removed / No Run IDs  
Positive

760930-1  
Hurricane '76 / Channel B#2  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

760930-2  
Hurricane '76 / Channel B#2  
L-band H-H – ?? Runs / No Run IDs  
Positive

761001-1  
Hurricane '76 / Channel B#2  
L-band H-H – ?? Runs / No Run IDs  
Positive

**BOX A-3  
(3 of 19)**      **AIDJEX (Beaufort Sea) / ASSESS/ Joint JPL-French Experiment / Hurricane 1976**

Roll 6      760416-2  
AIDJEX – Channel B  
Large Concatenated Roll  
Negative

760416-3  
AIDJEX – Channel B  
Large Concatenated Roll  
Negative

760416-4 and 760418-1  
AIDJEX – Channel B  
Large Concatenated Roll  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

760418-2  
AIDJEX – Channel B  
Large Concatenated Roll  
Negative

760418-3 and 760419-1  
AIDJEX – Channel B  
Large Concatenated Roll  
Negative

760419-2  
AIDJEX – Channel B  
Large Concatenated Roll  
Negative

760421-3  
AIDJEX – Channel B  
Large Concatenated Roll  
Negative

760421-4 and 760425-1  
AIDJEX – Channel B  
Large Concatenated Roll  
Negative

760425-2  
AIDJEX – Channel B  
Large Concatenated Roll  
Negative

760425-4 and 760426-1  
AIDJEX – Channel B  
Large Concatenated Roll  
Negative

760426-2  
AIDJEX – Channel B  
Large Concatenated Roll  
Negative

760426-3  
AIDJEX – Channel B  
Large Concatenated Roll  
Negative

Roll 7      760416-4 and 760418-1  
AIDJEX – Channel D  
Large Concatenated Roll  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

760418-3 and 760419-1  
AIDJEX – Channel D  
Large Concatenated Roll  
Negative

760419-2  
AIDJEX – Channel D  
Large Concatenated Roll  
Negative

760421-1  
AIDJEX – Channel D  
Large Concatenated Roll  
Negative

760421-3 and 760425-1  
AIDJEX – Channel D  
Large Concatenated Roll  
Negative

760425-2  
AIDJEX – Channel D  
Large Concatenated Roll  
Negative

760425-3  
AIDJEX – Channel D  
Large Concatenated Roll  
Negative

**BOX A-4  
(4 of 19)**

**AIDJEX (Beaufort Sea) / ASSESS/ Joint JPL-French Experiment / Hurricane 1976**

Roll 29

760825-1  
Hurricane '76 / Channel B#4  
L-band H-H – No Data for Runs 4-5 / ?? Runs / No Run IDs  
Positive

760927-3  
Hurricane '76 / Channel B#4  
L-band H-H – ?? Runs / No Run IDs  
Positive

760927-3 and 760928-1  
Hurricane '76 / Channel B#4  
L-band H-H – 2 Runs / No Run IDs  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

760928-2  
Hurricane '76 / Channel B#4  
L-band H-H – ?? Runs / No Run IDs  
Positive

Roll 31      760927-3  
Hurricane '76 / Channel A  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

760927-3 and 760928-1  
Hurricane '76 / Channel A  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

760930-1  
Hurricane '76 / Channel A  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

760930-2  
Hurricane '76 / Channel A  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

Roll 33      761001-1  
Hurricane '76 / Channel B  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

761003-1 (first leg)  
Hurricane '76 / Channel B  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

761003-2 (first leg)  
Hurricane '76 / Channel B  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

761003-1 (second leg)  
Hurricane '76 / Channel B  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

761003-2 (second leg)  
Hurricane '76 / Channel B  
L-band H-H with STC – ?? Runs / No Run IDs  
Positive

Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)

**BOX B-1**      **Winter 1984 / Summer-Fall 1984 / Spring 1985**  
**(5 of 19)**

- Roll 1      850217  
Winter 1984 – Channel A  
OR 2 / Position 2 / Moffett-Moffett / Sensor Checkout  
Negative
- Roll 2      840217  
Winter 1984 – Channel B  
OR 2 / Position 2 / Moffett-Moffett / Sensor Checkout  
Negative
- Roll 3      840228  
Winter 1984 – Channel A  
Moffett-Houston / East Texas / OR 2 / Position 2  
Negative
- 840229  
Winter 1984 – Channel A  
Houston-Houston / North Texas Soil Moisture / OR 2 / Position 2  
Negative
- 840301  
Winter 1984 – Channel A  
Houston-Langley Transit / OR 2 / Position 2  
Negative
- 840303  
Winter 1984 – Channel A  
Langley-Langley / Virginia and Blackwater / OR 2 / Position 2  
Negative
- 840306  
Winter 1984 – Channel A  
Moffett-Moffett / SIR-B Calibration / OR 2 / Position 2  
Negative
- Roll 4      840228  
Winter 1984 – Channel A  
Moffett-Houston / East Texas / OR 5 / Position 1  
Negative
- 840229  
Winter 1984 – Channel A  
Houston-Houston / North Texas Soil Moisture / OR 5 / Position 1  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

840301  
Winter 1984 – Channel A  
Houston-Langley Transit / OR 5 / Position 1  
Negative

840303  
Winter 1984 – Channel A  
Langley-Langley / Virginia and Blackwater / OR 5 / Position 1  
Negative

840306  
Winter 1984 – Channel A  
Moffett-Moffett / SIR-B Calibration / OR 5 / Position 1  
Negative

Roll 5

840228  
Winter 1984 – Channel B  
Moffett-Houston / East Texas / OR 2 / Position 2  
Negative

840229  
Winter 1984 – Channel B  
Houston-Houston / North Texas Soil Moisture / OR 2 / Position 2  
Negative

840301  
Winter 1984 – Channel B  
Houston-Langley Transit / OR 2 / Position 2  
Negative

840303  
Winter 1984 – Channel B  
Langley-Langley / Virginia and Blackwater / OR 2 / Position 2  
Negative

840306  
Winter 1984 – Channel B  
Moffett-Moffett / SIR-B Calibration / OR 2 / Position 2  
Negative

Roll 6

840228  
Winter 1984 – Channel B  
Moffett-Houston / East Texas / OR 5 / Position 1  
Negative

840229  
Winter 1984 – Channel B  
Houston-Houston / North Texas Soil Moisture / OR 5 / Position 1  
Negative



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

840301  
Winter 1984 – Channel B  
Houston-Langley Transit / OR 5 / Position 1  
Negative

840303  
Winter 1984 – Channel B  
Langley-Langley / Virginia and Blackwater / OR 5 / Position 1  
Negative

840306  
Winter 1984 – Channel B  
Moffett-Moffett / SIR-B Calibration / OR 5 / Position 1  
Negative

Roll 7      840228  
Winter 1984 Special Recorrelation  
Moffett-Houston / East Texas – Runs 4, 6 – Channels A & B  
Negative

840301  
Winter 1984 Special Recorrelation  
Houston-Langley Transit – Runs 13, 15, 17 – Channels A & B  
Negative

840303  
Winter 1984 Special Recorrelation  
Langley-Langley / Virginia and Blackwater – Run 16 – Channels A & B  
Negative

Roll 8      [Missing]

Roll 9  
(1 of 2)      840816  
1984 Summer Test Flights  
Moffett-Moffett / Sensor Checkout 1 / OR 2 & 5 / Positions L & R / Channel A  
Negative

Roll 9  
(2 of 2)      840816  
1984 Summer Test Flights  
Moffett-Moffett / Sensor Checkout 1 / OR 2 & 5 / Positions L & R / Channel A  
Positive

Roll 10      840816  
1984 Summer-Fall – EMP  
Moffett-Moffett / Sensor Checkout / OR 2 & 5 / Positions L & R / Channels A & B  
Negative

Roll 11      840816  
1984 Summer-Fall – Normalized DN  
Moffett-Moffett / Sensor Checkout / OR 2 & 5 / Positions L & R / Channels A & B  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 12      840831  
1984 Summer-Fall – Temp Roll C  
Moffett-Moffett / Sensor Checkout 2 / OR 2 / Position 2 / Channel A  
Negative

840906  
1984 Summer-Fall – Temp Roll C  
Moffett-Moffett / Sensor Checkout 3 / OR 2 / Position 2 / Channel A  
Negative

Roll 13      840906  
1984 Summer-Fall Unlabeled Positive  
Moffett-Moffett / Sensor Checkout 3 / OR 2 / Position 2 / Channel A

Roll 14      840108  
1984 Summer-Fall – OR 2 – Channel A – Position 2  
Moffett-Topeka Transit / SIR-B Supersite  
Negative

840110 and 840112  
1984 Summer-Fall – OR 2 – Channel A – Position 2  
Topeka-Topeka Transit / SIR-B Supersite  
Negative

841017  
1984 Summer-Fall – OR 2 – Channel A – Position 2  
Topeka-Topeka / SIR-B Supersite  
Negative

840118 and 840119  
1984 Summer-Fall – OR – Channel A – Position 2  
Moffett-Moffett / Wind and Snake River / Raisin City / SIR-B  
Negative

841024  
1984 Summer-Fall – OR 2 – Channel A – Position 2  
Moffett-Moffett / Northern California / SIR-B  
Negative

841025  
1984 Summer-Fall – OR 2 – Channel A – Position 2  
Moffett-Moffett / Southern California  
Negative

841031  
1984 Summer-Fall – OR 2 – Channel A – Position 2  
Moffett-Moffett / Second NOSC Flight  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

841104 and 841106  
1984 Summer-Fall – OR 2 – Channel A – Position 2  
Moffett-Moffett / Third NOSC Flight / Southern California  
Negative

841107  
1984 Summer-Fall – OR 2 – Channel A – Position 2  
Moffett-Moffett / Fourth (Last) NOSC Flight  
Negative

**BOX B-2            Winter 1984 / Summer-Fall 1984 / Spring 1985**  
**(6 of 19)**

Roll 15            840108  
(1 of 2)            1984 Summer-Fall – OR 2 – Channel A – Position 2 – Annotated  
Moffett-Topeka Transit / SIR-B Supersite / H-H  
Negative

840109  
1984 Summer-Fall – OR 2 – Channel A – Position 2 – Annotated  
Topeka-Topeka / SIR-B Supersite / H-H  
Negative

840110  
1984 Summer-Fall – OR 2 – Channel A – Position 2 – Annotated  
Topeka-Topeka / SIR-B Supersite / H-H  
Negative

Roll 15            840108  
(2 of 2)            1984 Summer-Fall – OR 2 – Channel A – Position 2 – Annotated  
Moffett-Topeka Transit / SIR-B Supersite / H-H  
Positive

840109  
1984 Summer-Fall – OR 2 – Channel A – Position 2 – Annotated  
Topeka-Topeka / SIR-B Supersite / H-H  
Positive

840110  
1984 Summer-Fall – OR 2 – Channel A – Position 2 – Annotated  
Topeka-Topeka / SIR-B Supersite / H-H  
Positive

Roll 16            840108  
1984 Summer-Fall – OR 2 – Channel A – Position 2 – Annotated  
Moffett-Topeka Transit / SIR-B Supersite / H-H  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

840109  
1984 Summer-Fall – OR 2 – Channel A – Position 2 – Annotated  
Topeka-Topeka / SIR-B Supersite / H-H  
Positive

840110  
1984 Summer-Fall – OR 2 – Channel A – Position 2 – Annotated  
Topeka-Topeka / SIR-B Supersite / H-H  
Positive

Roll 17 840111  
1984 Summer-Fall – OR 2 – Channel A – Position 2 – Annotated  
Topeka-Topeka / SIR-B Supersite  
Positive

840112  
1984 Summer-Fall – OR 2 – Channel A – Position 2 – Annotated  
Topeka-Topeka / SIR-B Supersite  
Positive

840112  
1984 Summer-Fall – OR 2 – Channel A – Position 2 – Annotated  
Topeka-Moffett Transit / Wind River  
Positive

Roll 18 840111  
1984 Summer-Fall  
OR 2 / Position 2 / Channel A / Annotated / H-H / Topeka-Topeka / SIR-B Supersite  
Positive

Roll 19 850314  
1985 Spring – Channel A  
Moffett-Moffett / Sensor Checkout 2 / OR 2 / Position 2  
Positive

850314  
1985 Spring – Channel A  
Moffett-Moffett / Sensor Checkout 2 / OR 5 / Position 1  
Positive

Roll 20 850314  
1985 Spring – Channel B  
Moffett-Moffett / Sensor Checkout 2 / OR 2 / Position 2  
Positive

850314  
1985 Spring – Channel B  
Moffett-Moffett / Sensor Checkout 2 / OR 5 / Position 1  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 21  
(1 of 7) 850314  
1985 Spring – Moffett-Moffett – Sensor Checkout 2 – Position 2 – Channel B  
Channel A / Position 1  
Positive

Roll 21  
(2 of 7) 850314  
1985 Spring – Moffett-Moffett – Sensor Checkout 2 – Position 2 – Channel B  
Channel A / Position 2  
Positive

Roll 21  
(3 of 7) 850314  
1985 Spring – Moffett-Moffett – Sensor Checkout 2 – Position 2 – Channel B  
Channel A / Position 2  
Positive

Roll 21  
(4 of 7) 850314  
1985 Spring – Moffett-Moffett – Sensor Checkout 2 – Position 2 – Channel B  
Channel B / Position 1  
Positive

Roll 21  
(5 of 7) 850314  
1985 Spring – Moffett-Moffett – Sensor Checkout 2 – Position 2 – Channel B  
Channel B / Position 1  
Positive

Roll 21  
(6 of 7) 850314  
1985 Spring – Moffett-Moffett – Sensor Checkout 2 – Position 2 – Channel B  
Channel B / Position 2  
Positive

Roll 21  
(7 of 7) 850314  
1985 Spring – Moffett-Moffett – Sensor Checkout 2 – Position 2 – Channel B  
Channel B / Position 2  
Positive

Roll 22 850319  
1985 Spring – Channel A  
Moffett-Moffett / First NOSC Flight / OR 2 / Position 2  
Positive

850319  
1985 Spring – Channel A  
Moffett-Moffett / First NOSC Flight / OR 5 / Position 1  
Positive

Roll 23 850319  
1985 Spring – Channel B  
Moffett-Moffett / First NOSC Flight / OR 2 / Position 2  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

850319  
1985 Spring – Channel B  
Moffett-Moffett / First NOSC Flight / OR 5 / Position 1  
Positive

**BOX B-3  
(7 of 19) Winter 1984 / Summer-Fall 1984 / Spring 1985**

Roll 24 850319  
1985 Spring – Channel A  
Moffett-Moffett / First NOSC Flight / OR 2 / Position 2  
Positive

850319  
1985 Spring – Channel A  
Moffett-Moffett / First NOSC Flight / OR 5 / Position 1  
Positive

850319  
1985 Spring – Channel B  
Moffett-Moffett / First NOSC Flight / OR 2 / Position 2  
Positive

850319  
1985 Spring – Channel B  
Moffett-Moffett / First NOSC Flight / OR 5 / Position 1  
Positive

Roll 25 (1 of 2) 850327  
1985 Spring  
Moffett-Moffett / Second NOSC Flight / OR 1 / Position 1 / Channel B  
Negative

850327  
1985 Spring  
Moffett-Moffett / Second NOSC Flight / OR 2 / Position 2 / Channel B  
Negative

Roll 25 (2 of 2) 850327  
1985 Spring  
Moffett-Moffett / Second NOSC Flight / OR 1 / Position 1 / Channel B  
Positive

850327  
1985 Spring  
Moffett-Moffett / Second NOSC Flight / OR 2 / Position 2 / Channel B  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 26      850329  
1985 Spring  
Moffett-Houston Transit / OR 1 & 2 / Positions 1 & 2 / Channels A & B  
Negative

850331  
1985 Spring  
San Jose / Costa Rica E-W Survey / OR 1 & 2 / Positions 1 & 2 / Channels A & B  
Negative

850401  
1985 Spring  
San Jose / Costa Rica Study Areas / OR 1 & 2 / Positions 1 & 2 / Channels A & B  
Negative

Roll 27  
(1 of 2)      850331  
1985 Spring  
San Jose-San Jose / Costa Rica E-W Survey / OR 2 / Position 2 / Channel A  
Positive

850401  
1985 Spring  
San Jose-San Jose / Costa Rica Study Areas / OR 5 / Position 1 / Channel A

Roll 27  
(2 of 2)      850331  
1985 Spring  
San Jose-San Jose / Costa Rica E-W Survey / OR 2 / Position 2 / Channel A  
Positive

850401  
1985 Spring  
San Jose-San Jose / Costa Rica Study Areas / OR 5 / Position 1 / Channel A  
Positive

Roll 28      850331  
1985 Spring  
San Jose-San Jose / Costa Rica E-W Survey / OR 2 / Position 2 / Channel B  
Positive

850401  
1985 Spring  
San Jose-San Jose / Costa Rica Study Areas / OR 5 / Position 1 / Channel B  
Positive

Roll 29      850329  
1985 Spring  
Moffett-Houston Transit / OR 2 / Position 2 / Channel B  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

850331  
1985 Spring  
San Jose-San Jose / Costa Rica E-W Survey / OR 5 / Position 1 / Channel B  
Positive

850401  
1985 Spring  
San Jose-San Jose / Costa Rica Study Areas / OR 5 / Position 1 / Channel B  
Positive

Roll 30 850612  
1985 Spring – OR 2 – Position 2 – Channel A  
Moffett-Omaha Transit / Kansas 1  
Negative

860614  
1985 Spring – OR 2 – Position 2 – Channel A  
Omaha-New Jersey Transit / Kansas 2  
Negative

850617  
1985 Spring – OR 2 – Position 2 – Channel A  
New Jersey-Omaha Transit / Kansas 3  
Negative

850618  
1985 Spring – OR 2 – Position 2 – Channel A  
Omaha-Moffett Transit / Kansas 4  
Negative

**BOX C-1 (8 of 19) AIDJEX / Winter Experiment / Geology 1978 / Guatemala (Geology 1978) / Alaska 1978**

Roll 1 760406 and 760412  
AIDJEX IV (AEP 4) – Channel A  
L-band V-H Run 1 / H-V Runs 2-3 / H-V Run 760412  
Negative

760406  
AIDJEX IV (AEP 4) – Channel A  
L-band V-H  
Negative

760407  
AIDJEX IV (AEP 4) – Channel A  
L-band – 7 Runs / V-H  
Negative



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

760409-1  
AIDJEX IV (AEP 4) – Channel A  
L-band H-H  
Negative

760409-2  
AIDJEX IV (AEP 4) – Channel A  
L-band H-H  
Negative

Roll 2      760406 and 760412  
AIDJEX IV (AEP 4) – Channel B  
L-band V-H Run 1 / H-V Runs 2-3 / H-V Run 760412  
Negative

760406  
AIDJEX IV (AEP 4) – Channel B  
L-band V-H  
Negative

760407  
AIDJEX IV (AEP 4) – Channel B  
L-band – 7 Runs / V-H  
Negative

760409-1  
AIDJEX IV (AEP 4) – Channel B  
L-band H-H  
Negative

760409-2  
AIDJEX IV (AEP 4) – Channel B  
L-band H-H  
Negative

Roll 3      760406 and 760412  
AIDJEX IV (AEP 4) – Channel D  
X-band V-H Run 1 / H-V Runs 2-3 / H-V Run 760412  
Negative

760406  
AIDJEX IV (AEP 4) – Channel D  
X-band V-H  
Negative

760407  
AIDJEX IV (AEP 4) – Channel D  
X-band – 7 Runs / V-H  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

760409-1  
AIDJEX IV (AEP 4) – Channel D  
X-band H-H  
Negative

760409-2  
AIDJEX IV (AEP 4) – Channel D  
X-band H-H  
Negative

Roll 4

770308  
Winter Experiment Program – Channel A  
L-band / H-H – Runs 2 and 3 only  
Negative

770311  
Winter Experiment Program – Channel A  
Runs 1 & 3-9 – X-band H-H / Runs 1 & 2 – L-band H-V  
Negative

770318-1  
Winter Experiment Program – Channel A  
X-band – 3 Runs  
Negative

770318-2  
Winter Experiment Program – Channel A  
X-band  
Negative

770324  
Winter Experiment Program – Channel A  
L-band H-V with STC / 10 Runs  
Negative

770325  
Winter Experiment Program – Channel A  
L-band H-V with STC / 7 Runs  
Negative

Roll 5

770311  
Winter Experiment Program – Channel B  
Out of Focus / Run 8 only / L-band H-H with STC  
Negative

770328  
Winter Experiment Program – Channel A  
Recorelated / High Contrast / DC Offset / 13 Runs / L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 6

770316-2  
Winter Experiment Program – Channel B  
L-band – Run 1 H-H with STC  
Negative

770318  
Winter Experiment Program – Channel B  
L-band – Runs 1-2 H-H with STC / Run 3 – H-H with no STC  
Negative

770322  
Winter Experiment Program – Channel B  
L-band H-H with STC  
Negative

770323  
Winter Experiment Program – Channel B  
Runs 1-8: L-band H-H with STC / Runs 9-10: V-V with STC  
Negative

770324  
Winter Experiment Program – Channel B  
Version 1 – 3 Runs / L-band H-H with STC  
Negative

770324  
Winter Experiment Program – Channel B  
Version 2 / L-band H-H with STC  
Negative

770324  
Winter Experiment Program – Channel B  
10 Runs – L-band H-H with STC  
Negative

770325-1  
Winter Experiment Program – Channel B  
9 Runs – L-band H-H with STC  
Negative

770325-2  
Winter Experiment Program – Channel B  
7 Runs – L-band H-H with STC  
Negative

770328  
Winter Experiment Program – Channel B  
10 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 7            770325-2  
Winter Experiment Program – Channel B – Special Focus – 5-Sided Pattern  
L-band H-V with STC  
Negative

Roll 8            770328-1  
Winter Experiment Program – Channel D  
13 Runs – L-band H-H with STC  
Negative

                    770328-2  
Winter Experiment Program – Channel B  
6 Runs – L-band H-H with STC  
Negative

Roll 9            780330-1  
Geology 78 – Channel A – Part 1 of 2  
Crater Lake – 12 Runs / Runs 1-11: L-band H-V with STC / Run 12: X-band H-H no STC  
Negative

                    780403  
Geology 78 – Channel A – Part 1 of 2  
Science Pattern #1 (Runs 1-4) / JPL Test Flight #2 / 14 Runs / Runs 1-2 & 5-14: L-band  
H-V with STC / Runs 3-4; V-H with STC  
Negative

                    780403-2  
Geology 78 – Channel A – Part 1 of 2  
JPL Test Flight 2 / L-band H-V  
Negative

                    780406-1  
Geology 78 – Channel A – Part 1 of 2  
JPL Test Flight 3 / X-band H-H with no STC  
Negative

                    780410-1  
Geology 78 – Channel A – Part 1 of 2  
9 Runs / ASSAF Calibration Test / X-band H-H with STC  
Negative

                    780412  
Geology 78 – Channel A – Part 1 of 2  
Arizona / Mojave / Engineering Test Runs / Runs 1-8: X-band H-H with STC / Runs 9 & 15-  
23: L-band H-V with STC / Runs 10-11: L-band V-H with STC / Runs 12-14: X-band H-H with  
no STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780413-1  
Geology 78 – Channel A – Part 1 of 2  
Arkansas / Runs 1-15: L-band V-H with STC / Runs 16-19: X-band H-H with STC  
Negative

780413-2  
Geology 78 – Channel A – Part 1 of 2  
Arkansas / Runs 1-11 & 12-14: X-band H-H with STC / Run 12: No STC  
Negative

Roll 10      780403-2  
Geology 78 – Channel B – Part 1 of 4  
JPL Test Flight 2 / L-band H-V  
Negative

780406-1  
Geology 78 – Channel B – Part 1 of 4  
JPL Test Flight 3 / X-band H-H with no STC  
Negative

780410-1  
Geology 78 – Channel B – Part 1 of 4  
9 Runs / ASSAF Calibration Test / X-band H-H with STC  
Negative

780412  
Geology 78 – Channel B – Part 1 of 4  
Arizona / Mojave / Engineering Test Runs / Runs 1-8: X-band H-H with STC / Runs 9 & 15-23: L-band H-V with STC / Runs 10-11: L-band V-H with STC / Runs 12-14: X-band H-H with no STC  
Negative

780413  
Geology 78 – Channel B – Part 1 of 4  
Arkansas / Runs 1-15: L-band V-H with STC / Runs 16-19: X-band H-H with STC  
Negative

780413  
Geology 78 – Channel B – Part 1 of 4  
Arkansas / Runs 1-11 & 12-14: X-band H-H with STC / Run 12: No STC  
Negative

Roll 11      780403-2  
Geology 78 – Channel C – Part 1 of 2  
JPL Test Flight 2 / L-band H-V  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780406-1  
Geology 78 – Channel C – Part 1 of 2  
JPL Test Flight 3 / X-band H-H with no STC  
Negative

780410-1  
Geology 78 – Channel C – Part 1 of 2  
9 Runs / ASSAF Calibration Test / X-band H-H with STC  
Negative

780412  
Geology 78 – Channel C – Part 1 of 2  
Arizona / Mojave / Engineering Test Runs / Runs 1-8: X-band H-H with STC / Runs 9 & 15-23: L-band H-V with STC / Runs 10-11: L-band V-H with STC / Runs 12-14: X-band H-H with no STC  
Negative

780413  
Geology 78 – Channel C – Part 1 of 2  
Arkansas / Runs 1-15: L-band V-H with STC / Runs 16-19: X-band H-H with STC  
Negative

780413  
Geology 78 – Channel C – Part 1 of 2  
Arkansas / Runs 1-11 & 12-14: X-band H-H with STC / Run 12: No STC  
Negative

Roll 12

780403-2  
Geology 78 – Channel D – Part 1 of 4  
JPL Test Flight 2 / L-band H-V  
Negative

780406-1  
Geology 78 – Channel D – Part 1 of 4  
JPL Test Flight 3 / X-band H-H with no STC  
Negative

780410-1  
Geology 78 – Channel D – Part 1 of 4  
9 Runs / ASSAF Calibration Test / X-band H-H with STC  
Negative

780412  
Geology 78 – Channel D – Part 1 of 4  
Arizona / Mojave / Engineering Test Runs / Runs 1-8: X-band H-H with STC / 23: L-band H-V with STC / Runs 10-11: L-band V-H with STC / Runs 12-14: X-band H-H  
Negative

780413  
Geology 78 – Channel D – Part 1 of 4  
Arkansas / Runs 1-15: L-band V-H with STC / Runs 16-19: X-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780413  
Geology 78 – Channel D – Part 1 of 4  
Arkansas / Runs 1-11 & 12-14: X-band H-H with STC / Run 12: No STC  
Negative

Roll 13

780412  
Geology 78 – Channel B – Special Processing for Mosaic – 300m Res. 25 Looks  
23 Runs / L-band H-H with STC  
Negative

780412  
Geology 78 – Channel B – Special Processing for Mosaic – 300m Res. 25 Looks  
15 Runs / L-band H-H with STC  
Negative

780503  
Geology 78 – Channel B – Special Processing for Mosaic – 300m Res. 25 Looks  
13 Runs / L-band H-H with STC  
Negative

780503  
Geology 78 – Channel B – Special Processing for Mosaic – 300m Res. 25 Looks  
4 Runs / L-band H-H with STC  
Negative

780508  
Geology 78 – Channel B – Special Processing for Mosaic – 300m Res. 25 Looks  
13 Runs / L-band V-V with STC  
Negative

780508  
Geology 78 – Channel B – Special Processing for Mosaic – 300m Res. 25 Looks  
Run 1: L-band H-H with STC / Runs 2-3: V-V with STC  
Negative

780512  
Geology 78 – Channel B – Special Processing for Mosaic – 300m Res. 25 Looks  
5 Runs / L-band H-H with STC  
Negative

780512  
Geology 78 – Channel B – Special Processing for Mosaic – 300m Res. 25 Looks  
14 Runs / Runs 1-10 & 13-14: L-band H-H with STC / Runs 11-12: X-band H-H with no  
STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

- Roll 14      780412-1  
Geology 78 – Channel B  
Arizona / Mojave / Engineering Test Runs / Runs 1-9, 12-23: L-band H-H with STC / Runs  
10-11: V-V with STC  
Negative
- 780412-2  
Geology 78 – Channel B  
Arizona / El Paso – 15 Runs – L-band H-H with STC  
Negative
- Roll 15      780412  
Geology 78 – Grand Canyon – Special Processing – Channel B – 50m Resolution  
Runs 1-9, 12-23: L-band with STC / Run 10: H-H & V-V / Run 11: V-V  
Negative
- 780412  
Geology 78 – Grand Canyon – Special Processing – Channel B – 50m Resolution  
Arizona / El Paso – L-band H-H with STC  
Negative
- 780503  
Geology 78 – Grand Canyon – Special Processing – Channel B – 50m Resolution  
Amboy Crater / Flagstaff – L-band H-H with STC  
Negative
- 780508  
Geology 78 – Grand Canyon – Special Processing – Channel B – 50m Resolution  
Amboy Crater / Flagstaff – Run 1: L-band V-V with HTC / Runs 2-13: H-H with STC  
Negative
- 780508  
Geology 78 – Grand Canyon – Special Processing – Channel B – 50m Resolution  
Amboy Crater / Flagstaff / Death Valley / Grand Canyon – Runs 1-2: L-band H-H with STC /  
Run 3: V-V with STC  
Negative
- 780512  
Geology 78 – Grand Canyon – Special Processing – Channel B – 50m Resolution  
Amboy Crater / Flagstaff / Death Valley / Grand Canyon – L-band H-H with STC  
Negative



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780512

Geology 78 – Grand Canyon – Special Processing – Channel B – 50m Resolution  
Grand Canyon / Death Valley – Runs 1, 2, 5, 6: L-band H-H with STC / Runs 3-4: X-band H-  
H with no STC  
Negative

Roll 16

780412

Geology 78 – Grand Canyon – Special Processing – Channel B – 300m Resolution  
Runs 1-9, 12-23: L-band with STC / Run 10: H-H & V-V / Run 11: V-V  
Negative

780412

Geology 78 – Grand Canyon – Special Processing – Channel B – 300m Resolution  
Arizona / El Paso – L-band H-H with STC  
Negative

780503

Geology 78 – Grand Canyon – Special Processing – Channel B – 300m Resolution  
Amboy Crater / Flagstaff – L-band H-H with STC  
Negative

780508

Geology 78 – Grand Canyon – Special Processing – Channel B – 300m Resolution  
Amboy Crater / Flagstaff / Run 1: L-band V-V with HTC / Runs 2-13: H-H with STC  
Negative

780508

Geology 78 – Grand Canyon – Special Processing – Channel B – 300m Resolution  
Amboy Crater / Flagstaff / Death Valley / Grand Canyon – Runs 1-2: L-band H-H with STC /  
Run 3: V-V with STC  
Negative

780512

Geology 78 – Grand Canyon – Special Processing – Channel B – 300m Resolution  
Amboy Crater / Flagstaff / Death Valley / Grand Canyon – L-band H-H with STC  
Negative

780512

Geology 78 – Grand Canyon – Special Processing – Channel B – 300m Resolution  
Grand Canyon / Death Valley – Runs 1-2, 5-6: L-band H-H with STC / Runs 3-4: X-band  
H-H with no STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

**BOX C-2  
(9 of 19)**

**AIDJEX / Winter Experiment / Geology 1978 / Guatemala (Geology 1978) / Alaska 1978**

Roll 17

780412

Geology 78 – Grand Canyon – Special Processing – Channel D – 50m Resolution  
Runs 1-9, 12-23: L-band with STC / Run 10: H-H & V-V / Run 11: V-V  
Negative

780412

Geology 78 – Grand Canyon – Special Processing – Channel D – 50m Resolution  
Arizona / El Paso – L-band H-H with STC  
Negative

780503

Geology 78 – Grand Canyon – Special Processing – Channel D – 50m Resolution  
Amboy Crater / Flagstaff – L-band H-H with STC  
Negative

780508

Geology 78 – Grand Canyon – Special Processing – Channel D – 50m Resolution  
Amboy Crater / Flagstaff – Run 1: L-band V-V with HTC / Runs 2-13: H-H with STC  
Negative

780508

Geology 78 – Grand Canyon – Special Processing – Channel D – 50m Resolution  
Amboy Crater / Flagstaff / Death Valley / Grand Canyon – Runs 1-2: L-band H-H with STC /  
Run 3: V-V with STC  
Negative

780512

Geology 78 – Grand Canyon – Special Processing – Channel D – 50m Resolution  
Amboy Crater / Flagstaff / Death Valley / Grand Canyon – L-band H-H with STC  
Negative

780512

Geology 78 – Grand Canyon – Special Processing – Channel D – 50m Resolution  
Grand Canyon / Death Valley – Runs 1-2, 5-6: L-band H-H with STC / Runs 3-4: X-band  
H-H with no STC  
Negative

Roll 18

780412

Geology 78 – Grand Canyon – Special Processing – Channel D – 300m Resolution  
Runs 1-9, 12-23: L-band with STC / Run 10: H-H & V-V / Run 11: V-V  
Negative

780412

Geology 78 – Grand Canyon – Special Processing – Channel D – 300m Resolution  
Arizona / El Paso – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780503

Geology 78 – Grand Canyon – Special Processing – Channel D – 300m Resolution  
Amboy Crater / Flagstaff – L-band H-H with STC  
Negative

780508

Geology 78 – Grand Canyon – Special Processing – Channel D – 300m Resolution  
Amboy Crater / Flagstaff – Run 1: L-band V-V with HTC / Runs 2-13: H-H with STC  
Negative

780508

Geology 78 – Grand Canyon – Special Processing – Channel D – 300m Resolution  
Amboy Crater / Flagstaff / Death Valley / Grand Canyon – Runs 1-2: L-band H-H with STC /  
Run 3: V-V with STC  
Negative

780512

Geology 78 – Grand Canyon – Special Processing – Channel D – 300m Resolution  
Amboy Crater / Flagstaff / Death Valley / Grand Canyon – L-band H-H with STC  
Negative

780512

Geology 78 – Grand Canyon – Special Processing – Channel D – 300m Resolution  
Grand Canyon / Death Valley – Runs 1-2, 5-6: L-band H-H with STC / Runs 3-4: X-band  
H-H with no STC  
Negative

Roll 19

780412

Geology 78 – Channel D – Part 1 of 4  
Arizona / Mojave / Engineering: Various Runs – Runs 1-9, 12-23: L-band H-H with STC / Run  
10: L-band H-H & V-V with STC / Run 11: L-band V-V with STC  
Negative

780413

Geology 78 – Channel D – Part 1 of 4  
Arkansas – L-band H-H with STC  
Negative

Box 20

780421

Geology 78 – Channel A – Part 2 of 2  
Covanosa / Ship Rock / Hot Creek Valley / Sierra Foothills – L-band H-V with STC  
Negative

780501

Geology 78 – Channel A – Part 2 of 2  
Runs 1,5; L-band H-V with STC / Runs 2-4: L-band H-V with no STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780518

Geology 78 – Channel A – Part 2 of 2

Snake River / Mount Cooper – Runs 1-3: L-band V-H with STC / Run 4-7, 9-12: X-band H-H /  
Run 8: X-band H-H with no STC

Negative

780518-2

Geology 78 – Channel A – Part 2 of 2

Mount Cooper / Patrick Draw – Runs 1-3, 5-11: L-band H-V with STC / Runs 4, 12: X-band  
H-H with no STC

Negative

780519

Geology 78 – Channel A – Part 2 of 2

San Raphael – L-band V-H with STC

Negative

780519-2

Geology 78 – Channel A – Part 2 of 2

San Raphael – Runs 1-4: L-band V-H with STC / Runs 5-9: L-band H-V with STC

Negative

780519-3

Geology 78 – Channel A – Part 2 of 2

San Raphael / Lisbon Valley – Runs 1-8: L-band H-V w STC / Run 9: X-band H-H no STC

Negative

Roll 21

780503

Geology 78 – Channel A

Amboy Crater

Negative

Roll 22  
(1 of 2)

780421

Geology 78 – Channel B – Part 3 of 4

Covanosa / Ship Rock / Hot Creek Valley / Sierra Foothills – L-band H-H with STC

Negative

780501

Geology 78 – Channel B – Part 3 of 4

Runs 1, 5: L-band H-H with STC / Runs 2-4: H-H with no STC

Negative

780503

Geology 78 – Channel B – Part 3 of 4

Amboy / Flagstaff – L-band H-H with STC

780503-2

Geology 78 – Channel B – Part 3 of 4

Flagstaff / Kel Baker – L-band H-H with STC

Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780508

Geology 78 – Channel B – Part 3 of 4

Amboy Crater / Grand Canyon – Run 1: L-band H-H with STC V-V / Runs 2-13: H-H w STC  
Negative

780508

Geology 78 – Channel B – Part 3 of 4

Flagstaff / Kel Baker – Runs 1-2: L-band H-H with STC / Run 3: V-V with STC  
Negative

780512

Geology 78 – Channel B – Part 3 of 4

Death Valley / Grand Canyon – L-band V-H with STC  
Negative

780512

Geology 78 – Channel B – Part 3 of 4

Grand Canyon / Death Valley – Runs 1-10, 13-14: L-band H-H with STC / Runs 11-12: X-  
band H-H with no STC  
Negative

Roll 22  
(2 of 2)

780421

Geology 78 – Channel C – Part 2 of 2

Covanosa / Ship Rock / Hot Creek Valley / Sierra Foothills – L-band H-V with STC  
Negative

780501

Geology 78 – Channel C – Part 2 of 2

Runs 1,5; L-band H-V with STC / Runs 2-4: L-band H-V with no STC  
Negative

780518

Geology 78 – Channel C – Part 2 of 2

Snake River / Mount Cooper – Runs 1-3: L-band V-H with STC / Run 4-7, 9-12: X-band H-H /  
Run 8: X-band H-H with no STC  
Negative

780518-2

Geology 78 – Channel C – Part 2 of 2

Mount Cooper / Patrick Draw – Runs 1-3, 5-11: L-band H-V with STC / Runs 4, 12: X-band  
H-H with no STC  
Negative

780519

Geology 78 – Channel C – Part 2 of 2

San Raphael – L-band V-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780519-2  
Geology 78 – Channel C – Part 2 of 2  
San Raphael – Runs 1-4: L-band V-H with STC / Runs 5-9: L-band H-V with STC  
Negative

780519-3  
Geology 78 – Channel C – Part 2 of 2  
San Raphael / Lisbon Valley – Runs 1-8: L-band H-V with STC / Run 9: X-band H-H with no  
STC  
Negative

Roll 23

780421  
Geology 78 – Channel D – Part 3 of 4  
Covanosa / Ship Rock / Hot Creek Valley / Sierra Foothills – L-band H-H with STC  
Negative

780501  
Geology 78 – Channel D – Part 3 of 4  
Runs 1, 5: L-band H-H with STC / Runs 2-4: H-H with no STC  
Negative

780503  
Geology 78 – Channel D – Part 3 of 4  
Amboy / Flagstaff – L-band H-H with STC  
Negative

780503-2  
Geology 78 – Channel D – Part 3 of 4  
Flagstaff / Kel Baker – L-band H-H with STC  
Negative

780508  
Geology 78 – Channel D – Part 3 of 4  
Amboy Crater / Grand Canyon – Run 1: L-band H-H with STC V-V / Runs 2-13: H-H w STC  
Negative

780508  
Geology 78 – Channel D – Part 3 of 4  
Flagstaff / Kel Baker – Runs 1-2: L-band H-H with STC / Run 3: V-V with STC  
Negative

780512  
Geology 78 – Channel D – Part 3 of 4  
Death Valley / Grand Canyon – L-band V-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780512  
Geology 78 – Channel D – Part 3 of 4  
Grand Canyon / Death Valley – Runs 1-10, 13-14: L-band H-H with STC / Runs 11-12: X-  
band H-H with no STC  
Negative

Roll 24  
(1 of 3)

780518-1  
Geology '78 – Channel B – Part 4 of 4  
12 Runs – L-band V-V with STC – Runs 1-3 / H-H with STC – Runs 4-12  
Negative

780518-2  
Geology '78 – Channel B – Part 4 of 4  
Mt. Coppert – Patrick Draw – 12 Runs – L-band H-H with STC / No Run IDs  
Negative

780519-1  
Geology '78 – Channel B – Part 4 of 4  
San Raphael – 4 Runs – L-band V-V with STC / No Run IDs  
Negative

780519-2  
Geology '78 – Channel B – Part 4 of 4  
9 Runs – L-band V-V with STC – Runs 1-4 / L-band H-H with STC – Runs 5-9  
Negative

780519-3  
Geology '78 – Channel B – Part 4 of 4  
San Raphael / Lisbon Valley – 9 Runs – L-band H-H with STC / No Run IDs  
Negative

780520-1  
Geology '78 – Channel B – Part 4 of 4  
Animas / Safford / Helvetia / Silver Bell / Yuma / 13 Runs  
L-band H-H with STC – No Run IDs  
Negative

780520-2  
Geology '78 – Channel B – Part 4 of 4  
Pasadena / Santa Barbara – 13 Runs – L-band H-H with STC / No Run IDs  
Negative

Roll 24  
(2 of 3)

780518-1  
Geology '78 – Channel B – Part 4 of 4  
12 Runs – L-band V-V with STC – Runs 1-3 / H-H with STC – Runs 4-12  
Negative

780518-2  
Geology '78 – Channel B – Part 4 of 4  
Mt. Coppert – Patrick Draw – 12 Runs – L-band H-H with STC / No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780519-1  
Geology '78 – Channel B – Part 4 of 4  
San Raphael – 4 Runs – L-band V-V with STC / No Run IDs  
Negative

780519-2  
Geology '78 – Channel B – Part 4 of 4  
9 Runs – L-band V-V with STC – Runs 1-4 / L-band H-H with STC – Runs 5-9  
Negative

780519-3  
Geology '78 – Channel B – Part 4 of 4  
San Raphael / Lisbon Valley – 9 Runs – L-band H-H with STC / No Run IDs  
Negative

780520-1  
Geology '78 – Channel B – Part 4 of 4  
Animas / Safford / Helvetia / Silver Bell / Yuma – 13 Runs  
L-band H-H with STC / No Run IDs  
Negative

780520-2  
Geology '78 – Channel B – Part 4 of 4  
Pasadena / Santa Barbara – 13 Runs – L-band H-H with STC / No Run IDs  
Negative

Roll 24  
(3 of 3)

780518-1  
Geology '78 – Channel B – Part 4 of 4  
12 Runs – L-band V-V with STC – Runs 1-3 / H-H with STC – Runs 4-12  
Positive

780518-2  
Geology '78 – Channel B – Part 4 of 4  
Mt. Coppert / Patrick Draw – 12 Runs – L-band H-H with STC / No Run IDs  
Positive

780519-1  
Geology '78 – Channel B – Part 4 of 4  
San Raphael – 4 Runs – L-band V-V with STC / No Run IDs  
Positive

780519-2  
Geology '78 – Channel B – Part 4 of 4  
9 Runs – L-band V-V with STC – Runs 1-4 / L-band H-H with STC – Runs 5-9  
Positive



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780519-3  
Geology '78 – Channel B – Part 4 of 4  
San Raphael / Lisbon Valley – 9 Runs – L-band H-H with STC / No Run IDs  
Positive

780520-1  
Geology '78 – Channel B – Part 4 of 4  
Animas / Safford / Helvetia / Silver Bell / Yuma – 13 Runs  
L-band H-H with STC / No Run IDs  
Positive

780520-2  
Geology '78 – Channel B – Part 4 of 4  
Pasadena / Santa Barbara – 13 Runs – L-band H-H with STC / No Run IDs  
Positive

Roll 25

780518-1  
Geology '78 – Channel D – Part 4 of 4  
Snake River / Mt. Coppert – 13 Runs  
L-band V-V with STC – Runs 1-3 / H-H with STC – Runs 4-13  
Negative

780518-2  
Geology '78 – Channel D – Part 4 of 4  
Mt. Coppert / Patrick Draw – 11 Runs – L-band H-H with STC / No Run IDs  
Negative

780519-1  
Geology '78 – Channel D – Part 4 of 4  
San Raphael – 4 Runs – L-band V-V with STC / No Run IDs  
Negative

780519-2  
Geology '78 – Channel D – Part 4 of 4  
San Raphael – 4 Runs  
L-band V-V with STC – Runs 1-4 / L-band H-H with STC – Runs 5-9  
Negative

780519-3  
Geology '78 – Channel D – Part 4 of 4  
San Raphael / Lisbon Valley – 9 Runs  
L-band H-H with STC / No Run IDs  
Negative

780520-1  
Geology '78 – Channel D – Part 4 of 4  
Animas / Safford / Helvetia / Silver Bell / Yuma – 13 Runs  
L-band H-H with STC / No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780520-2

Geology '78 – Channel D – Part 4 of 4

Pasadena / Santa Barbara – 13 Runs – L-band H-H with STC / No Run IDs

Negative

Roll 26

780412-1

JPL Geology – El Paso, Amboy Crater, Flagstaff, Kel-Baker, Grand Canyon, Death Valley

Channel B – JPL Arizona Geology – Runs 15-23 Only – L-band H-H with STC

Negative

780412-2

JPL Geology – El Paso, Amboy Crater, Flagstaff, Kel-Baker, Grand Canyon, Death Valley

Channel B – Arizona & El Paso Geology – 14 Runs – L-band H-H with STC

Negative

780503-1

JPL Geology – El Paso, Amboy Crater, Flagstaff, Kel-Baker, Grand Canyon, Death Valley

Channel B – Amboy Crater, Flagstaff – 13 Runs – L-band H-H with STC

Negative

780503-2

JPL Geology – El Paso, Amboy Crater, Flagstaff, Kel-Baker, Grand Canyon, Death Valley

Channel B – Flagstaff, Kel-Baker – 4 Runs – L-band H-H with STC

Negative

780508-1

JPL Geology – El Paso, Amboy Crater, Flagstaff, Kel-Baker, Grand Canyon, Death Valley

Channel B – Amboy Crater, Flagstaff – 13 Runs

L-band V-V with STC – Run 1 / H-H with STC – Runs 2-13

Negative

780508-2

JPL Geology – El Paso, Amboy Crater, Flagstaff, Kel-Baker, Grand Canyon, Death Valley

Channel B – Grand Canyon, Death Valley – 3 Runs

L-band H-H with STC – Runs 1-2 / V-V with STC – Run 3

Negative

780512-1

JPL Geology – El Paso, Amboy Crater, Flagstaff, Kel-Baker, Grand Canyon, Death Valley

Channel B – JPL Geology – Grand Canyon / Death Valley – 14 Runs

L-band H-H with STC

Negative

780512-2

JPL Geology – El Paso, Amboy Crater, Flagstaff, Kel-Baker, Grand Canyon, Death Valley

Channel B – Grand Canyon / Death Valley – 14 Runs

L-band H-H with STC – Runs 1-10, 13, 14 / X-band H-H no STC – Runs 11-12

Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 27      780414-1  
Geology '78 Guatemala Channel A  
Tikal – 13 Runs – X-band V-V no STC Runs 1-2 / X-band H-H with STC Runs 3-13  
Negative

Roll 28      [Missing]

**BOX C-3      AIDJEX / Winter Experiment / Geology 1978 / Guatemala (Geology 1978) / Alaska 1978**  
**(10 of 19)**

Roll 29      780414-1  
Guatemala Channel B Recorrelated (2 of 2)  
13 Runs – L-band H-H with STC  
Negative

780417-2  
Guatemala Channel B Recorrelated (2 of 2)  
Tikal / Mirador – 7 Runs – L-band H-H with STC  
Negative

780417-3  
Guatemala Channel B Recorrelated (2 of 2)  
Geology '78 – 5 Runs – L-band H-H with STC  
Negative

780418-1  
Guatemala Channel B Recorrelated (2 of 2)  
Archaeology #3 / Lake Isabela – 7 Runs – L-band H-H with STC  
Negative

780418-2  
Guatemala Channel B Recorrelated (2 of 2)  
Geology '78 / Archaeology #3 / Lake Isabela – 5 Runs – L-band H-H with STC  
Negative

780419-1  
Guatemala Channel B Recorrelated (2 of 2)  
Geology '78 / Archaeology #4 / Guatemala / Volcano Fuego  
3 Runs – L-band H-H with STC  
Negative

780419-2  
Guatemala Channel B Recorrelated (2 of 2)  
Geology '78 / Archaeology #4 / Guatemala / Volcano Fuego  
8 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780420-1  
Guatemala Channel B Recorrelated (2 of 2)  
Geology '78 / Archaeology #4 / Guatemala / Flores Airstrip / Tikal / Merida  
3 Runs – L-band H-H with STC  
Negative

Roll 30

780414-1  
Guatemala Channel B (2 of 2, Recorrelated)  
13 Runs – L-band H-H with STC  
Negative

780417-2  
Guatemala Channel B (2 of 2, Recorrelated)  
7 Runs – L-band H-H with STC  
Negative

780417-2  
Guatemala Channel B (2 of 2, Recorrelated)  
Tikal / Mirador – 7 Runs – L-band H-H with STC  
Negative

780417-3B  
Guatemala Channel B (2 of 2, Recorrelated)  
Tikal – 5 Runs – L-band H-H with STC  
Negative

780417-3  
Guatemala Channel B (2 of 2, Recorrelated)  
Geology '78 – 5 Runs – L-band H-H with STC  
Negative

780418-1  
Guatemala Channel B (2 of 2, Recorrelated)  
Archaeology #3 / Lake Isabela – 7 Runs – L-band H-H with STC  
Negative

780418-2  
Guatemala Channel B (2 of 2, Recorrelated)  
Geology '78 / Archaeology #3 / Lake Isabela – 5 Runs – L-band H-H with STC  
Negative

780419-1  
Guatemala Channel B (2 of 2, Recorrelated)  
Geology '78 / Archaeology #4 / Guatemala / Volcano Fuego  
3 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780419-2  
Guatemala Channel B (2 of 2, Recorrelated)  
Geology '78 / Archaeology #4 / Guatemala / Volcano Fuego  
8 Runs – L-band H-H with STC  
Negative

Roll 31

780418-2  
Geology '78 Channel C Recorrelated  
Geology '78 / Archaeology #3 / Lake Isabela – 6 Runs – L-band H-V with STC / No Run IDs  
Negative

780419-1  
Geology '78 Channel C Recorrelated  
Geology '78 / Archaeology #4 / Guatemala / Volcano Fuego  
3 Runs – L-band H-V with STC / No Run IDs  
Negative

780419-2  
Geology '78 Channel C Recorrelated  
Geology '78 / Archaeology #4 / Guatemala / Volcano Fuego  
9 Runs – L-band H-V with STC / No Run IDs  
Negative

780420-1  
Geology '78 Channel C Recorrelated  
Geology '78 / Archaeology #5 / Flores Airstrip / Tikal / Merida  
8 Runs – L-band H-V with STC / No Run IDs  
Negative

Roll 32

780414-1  
Guatemala Channel D  
13 Runs – L-band H-H with STC  
Negative

780417-2  
Guatemala Channel D  
7 Runs – L-band H-H with STC  
Negative

780417-2  
Guatemala Channel D  
Tikal / Mirador – 7 Runs – L-band H-H with STC  
Negative

780417-3B  
Guatemala Channel D  
Tikal – 5 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780417-3  
Guatemala Channel D  
Geology '78 – 5 Runs – L-band H-H with STC  
Negative

780418-1  
Guatemala Channel D  
Archaeology #3 / Lake Isabela – 7 Runs – L-band H-H with STC  
Negative

780418-2  
Guatemala Channel D  
Geology '78 / Archaeology #3 / Lake Isabela – 5 Runs – L-band H-H with STC  
Negative

780419-1  
Guatemala Channel D  
Geology '78 / Archaeology #4 / Guatemala / Volcano Fuego  
3 Runs – L-band H-H with STC  
Negative

780419-2  
Guatemala Channel D  
Geology '78 / Archaeology #4 / Guatemala / Volcano Fuego  
8 Runs – L-band H-H with STC  
Negative

Roll 33 780414-1  
Guatemala Channel D Positive Transparency  
13 Runs – L-band H-H with STC  
Positive

780417-2  
Guatemala Channel D Positive Transparency  
7 Runs – L-band H-H with STC  
Positive

780417-2  
Guatemala Channel D Positive Transparency  
Tikal / Mirador – 7 Runs – L-band H-H with STC  
Positive

780417-3B  
Guatemala Channel D Positive Transparency  
Tikal – 5 Runs – L-band H-H with STC  
Positive

780417-3  
Guatemala Channel D Positive Transparency  
Geology '78 – 5 Runs – L-band H-H with STC  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780418-1  
Guatemala Channel D Positive Transparency  
Archaeology #3 / Lake Isabela – 7 Runs – L-band H-H with STC  
Positive

780419-1  
Guatemala Channel D Positive Transparency  
Geology '78 / Archaeology #4 / Guatemala / Volcano Fuego  
3 Runs – L-band H-H with STC  
Positive

780419-2  
Guatemala Channel D Positive Transparency  
Geology '78 / Archaeology #4 / Guatemala / Volcano Fuego  
8 Runs – L-band H-H with STC  
Positive

Roll 34

780414-1  
Guatemala Channel D Recorrelated  
13 Runs – L-band H-H with STC  
Negative

780417-2  
Guatemala Channel D Recorrelated  
Tikal / Mirador – 7 Runs  
Negative

780418-1  
Guatemala Channel D Recorrelated  
Archaeology #3 / Lake Isabela – 7 Runs  
Negative

780418-2  
Guatemala Channel D Recorrelated  
Geology '78 / Archaeology #3 / Lake Isabela – 5 Runs  
Negative

780419-1  
Guatemala Channel D Recorrelated  
Geology '78 / Archaeology #4 / Guatemala / Volcano Fuego – 3 Runs  
Negative

780419-2  
Guatemala Channel D Recorrelated  
Geology '78 / Archaeology #4 / Guatemala / Volcano Fuego – 8 Runs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780420-1  
Guatemala Channel D Recorrelated  
Geology '78 / Archaeology #4 / Guatemala / Flores Airstrip / Tikal / Merida – 8 Runs  
Negative

Roll 35  
(1 of 2)

780414-1  
Guatemala Channel B Positive Transparency  
Tikal – 14 Runs – L-band H-H with STC  
Positive

780417-2  
Guatemala Channel B Positive Transparency  
Tikal / Mirador – 7 Runs – L-band H-H with STC / No Run IDs  
Positive

780417-3  
Guatemala Channel B Positive Transparency  
Geology '78 – Archaeology #2 – Guatemala/Tikal  
6 Runs – L-band H-H with STC / No Run IDs  
Positive

780418-1  
Guatemala Channel B Positive Transparency  
Geology '78 – Archaeology #3 – Lake Isabela  
7 Runs – L-band H-H with STC / No Run IDs  
Positive

780418-2  
Guatemala Channel B Positive Transparency  
Geology '78 – Archaeology #3 – Lake Isabela  
6 Runs – L-band H-H with STC / No Run IDs  
Positive

Roll 35  
(2 of 2)

780414-1  
Guatemala Channel B Positive Transparency  
Tikal – 14 Runs / L-band H-H with STC  
Positive

780417-2  
Guatemala Channel B Positive Transparency  
Tikal / Mirador – 7 Runs / L-band H-H with STC / No Run IDs  
Positive

780417-3  
Guatemala Channel B Positive Transparency  
Geology '78 – Archaeology #2 – Guatemala/Tikal  
6 Runs – L-band H-H with STC / No Run IDs  
Positive



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780418-1  
Guatemala Channel B Positive Transparency  
Geology '78 – Archaeology #3 – Lake Isabela  
7 Runs – L-band H-H with STC / No Run IDs  
Positive

780418-2  
Guatemala Channel B Positive Transparency  
Geology '78 – Archaeology #3 – Lake Isabela  
6 Runs – L-band H-H with STC / No Run IDs  
Positive

Roll 36

780712-1  
Alaska '78 – Channel A  
Pipeline / Lakes / Burned Area – 8 Runs – L-band H-V with STC  
Negative

780717-2  
Alaska '78 – Channel A  
Fish Creek / Duck Island / Pipeline – 5 Runs – L-band H-V with STC  
Negative

Roll 37

780630-1  
Alaska Hydrology '78 – Channel B  
Local Test Flight – 6 Runs – L-band H-H with STC Runs 1, 2, 4, 6 / V-V with STC Run 3  
Negative

780711-1  
Alaska Hydrology '78 – Channel B  
Bering Glacier / Mt. Wrangell – 10 Runs – L-band H-H with STC  
Negative

780712-1  
Alaska Hydrology '78 – Channel B  
Pipeline / Lakes / Burned Areas – 8 Runs – L-band H-H with STC  
Negative

780712-2  
Alaska Hydrology '78 – Channel B  
Fish Creek / Duck Island / Pipeline – 5 Runs – L-band H-H with STC  
Negative

780713-1  
Alaska Hydrology '78 – Channel B  
Mt. Wrangell – 6 Runs – L-band H-H with STC  
Negative

Roll 38

780630-1  
Alaska Hydrology '78 – Channel C  
Local Test Flight – 6 Runs – L-band H-V with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780711-1  
Alaska Hydrology '78 – Channel C  
Bering Glacier / Mt. Wrangell – 10 Runs – L-band H-V with STC  
Negative

780712-1  
Alaska Hydrology '78 – Channel C  
Pipeline / Lakes / Burned Areas – 8 Runs – L-band H-V with STC  
Negative

780712-2  
Alaska Hydrology '78 – Channel C  
Fish Creek / Duck Island / Pipeline – 5 Runs – L-band H-V with STC  
Negative

780713-1  
Alaska Hydrology '78 – Channel C  
Mt. Wrangell – 6 Runs – L-band H-V with STC  
Negative

Roll 39

780630-1  
Alaska Hydrology '78 – Channel D  
Local Test Flight – 6 Runs – L-band H-H with STC Runs 1, 2, 4, 6 / V-V with STC Run 3  
Negative

780711-1  
Alaska Hydrology '78 – Channel D  
Bering Glacier / Mt. Wrangell – 10 Runs – L-band H-H with STC  
Negative

780712-1  
Alaska Hydrology '78 – Channel D  
Pipeline / Lakes / Burned Areas – 8 Runs – L-band H-H with STC  
Negative

780712-2  
Alaska Hydrology '78 – Channel D  
Fish Creek / Duck Island / Pipeline – 5 Runs – L-band H-H with STC  
Negative

780713-1  
Alaska Hydrology '78 – Channel D  
Mt. Wrangell – 6 Runs – L-band H-H with STC  
Negative

Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)

**BOX D-1 (11 OF 19) AIDJEX / Winter Experiment / Geology 1978 / Guatemala (Geology 1978) / Alaska 1978**

- Roll 1 770906-2  
Geology '77 – 770906-2 – Channel B – Extended Swath  
Engineering Transit / Scabland / Mt. Hood – 10 Runs – L-band H-H with STC  
Positive
- Roll 2 770906-2  
Geology '77 – 770906-2 – Channel C – Extended Swath  
Engineering Transit / Scabland / Mt. Hood – 10 Runs  
X-band H-H with STC – Run 1 / H-H no STC – Run 2 / L-band H-V with STC – Runs 3-10  
Positive
- Roll 3 770906-2  
Geology '77 – 770906-2 – Channel D – Extended Swath  
Engineering Transit / Scabland / Mt. Hood – 10 Runs – L-band H-H with STC  
Positive
- Roll 4 770927-3  
Geology '77 – 770927-3 – Channel A  
Scabland / Mt. Hood / Mt. Lassen – 10 Runs  
L-band H-V with STC – Runs 1-9 / X-band H-H with STC  
Positive
- Roll 5 771024-1  
Temporary Roll Guatemala – Channel C – X-band – No Run IDs  
Negative
- 771025-1  
Temporary Roll Guatemala – Channel C – X-band – No Run IDs  
Negative
- 771025-2  
Temporary Roll Guatemala – Channel C – X-band – No Run IDs  
Negative
- Roll 6 770809-2  
Hurricane II – Channel A – Part 1  
JPL Overflights – L-band H-H with STC / No Run IDs  
Negative
- 770811-1  
Hurricane II – Channel A – Part 1  
Arizona – 14 Runs – X-band H-H with STC – Runs 1-3 / L-band H-V with STC –  
Runs 4-14  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770811-2

Hurricane II – Channel A – Part 1

Arizona / Mojave / Big Sur Fire – 9 Runs – L-band H-V with STC / No Run IDs  
Negative

770817-1

Hurricane II – Channel A – Part 1

Southern California Flood Assessment – 11 Runs – X-band H-H with STC, No Run IDs  
Negative

770825-1

Hurricane II – Channel A – Part 1

Snake River Plain – 6 Runs – L-band H-V with STC / No Run IDs  
Negative

770830-1

Hurricane II – Channel A – Part 1

No Run IDs / No Documentation  
Negative

770830-2

Hurricane II – Channel A – Part 1

Indio / Arizona – 8 Runs

L-band H-V with STC – Runs 1, 2, 4-6 / X-band H-H with STC – Runs 3, 7-8  
Negative

770830-3

Hurricane II – Channel A – Part 1

Salton Sea to Riverside / Transit to NUQ – 3 Runs

L-band H-V with STC / X-band H-H no STC  
Negative

770906-1

Hurricane II – Channel A – Part 1

Snake River – 2 Runs – X-band H-H no STC – Run 1 / L-band H-V with STC – Run 2  
Negative

770906-2

Hurricane II – Channel A – Part 1

Snake River / Engineering Transit / Scabland – 8 Runs

L-band H-V with STC / Runs 1-3, 7-8 – X-band H-H no STC – Runs 4-6  
Negative

770906-3

Hurricane II – Channel A – Part 1

Scabland / Mt. Hood / Mt. Lassen Pass – 10 Runs

L-band H-V with STC / Runs 1-9 – X-band H-H with and without STC – Run 10  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770914-1  
Hurricane II – Channel A – Part 1  
Dodge City / Oklahoma City – 3 Runs – X-band H-H with STC / No Run IDs  
Negative

770915-1  
Hurricane II – Channel A – Part 1  
Powder River – 4 Runs – L-band H-V with STC / No Run IDs  
Negative

770915-2  
Hurricane II – Channel A – Part 1  
Powder River / Black Hills – 8 Runs – L-band H-V with STC  
Negative

Roll 7

770809-1  
Hurricane II – Channel B – Part 1  
JPL Overflights – 3 Runs – L-band H-H with STC / No Run IDs  
Negative

770809-2  
Hurricane II – Channel B – Part 1  
JPL Overflights – 14 Runs – L-band H-H with STC / No Run IDs  
Negative

770811-1  
Hurricane II – Channel B – Part 1  
Arizona – L-band H-H with STC / No Run IDs  
Negative

770811-2  
Hurricane II – Channel B – Part 1  
Arizona / Mojave / Big Sur Fire – 9 Runs – L-band H-H with STC / No Run IDs  
Negative

770817-1  
Hurricane II – Channel B – Part 1  
Southern California Flood Assessment – 11 Runs – L-band H-H with STC / No Run IDs  
Negative

770825-1  
Hurricane II – Channel B – Part 1  
Snake River Plain – 6 Runs – L-band H-H with STC / No Run IDs  
Negative

770830-1  
Hurricane II – Channel B – Part 1  
Barstow / Indio – 10 Runs – L-band H-H with STC / No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770830-2

Hurricane II – Channel B – Part 1

Indio / Arizona – 8 Runs – L-band H-H with STC / No Run IDs

Negative

770830-3

Hurricane II – Channel B – Part 1

Salton Sea to Riverside / Transit to NUQ – 3 Runs – L-band H-H with STC / No Run IDs

Negative

770906-1

Hurricane II – Channel B – Part 1

Snake River – 2 Runs – L-band H-H with STC / No Run IDs

Negative

770906-2

Hurricane II – Channel B – Part 1

Snake River / Engineering Transit / Scabland – 8 Runs

L-band H-H with STC / No Run IDs

Negative

770906-3

Hurricane II – Channel B – Part 1

Scabland / Mt. Hood / Mt. Lassen Pass – 10 Runs

L-band H-H with STC / No Run IDs

Negative

770914-1

Hurricane II – Channel B – Part 1

Dodge City / Oklahoma City – 3 Runs – L-band V-V with STC / No Run IDs

Negative

770915-1

Hurricane II – Channel B – Part 1

Powder River – 4 Runs – L-band V-V with STC – No Run IDs

Negative

770915-2

Hurricane II – Channel B – Part 1

Powder River / Black Hills – 8 Runs – L-band V-V with STC – No Run IDs

Negative

Roll 8

770811-1

Hurricane II – Channel C – Part 1

Arizona – 20 Runs – L-band H-V with STC / No Run IDs

Negative

770811-2

Hurricane II – Channel C – Part 1

Mohave / Big Sur Fire – 2 Runs – L-band H-V with STC / No Run IDs

Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770825-1

Hurricane II – Channel C – Part 1

Snake River Plain – 5 Runs – L-band H-V with STC / No Run IDs

Negative

770825-2

Hurricane II – Channel C – Part 1

Snake River Plain – 8 Runs – L-band H-V with STC / No Run IDs

Negative

770830-1

Hurricane II – Channel C – Part 1

Barstow / Indio – 10 Runs – L-band H-V with STC / No Run IDs

Negative

770830-2

Hurricane II – Channel C – Part 1

Indio / Arizona – 10 Runs – L-band H-V with STC , Runs 1-2, 4-6, 9-10 / X-band H-H with STC, Runs 3, 7-8

Negative

770906-1

Hurricane II – Channel C – Part 1

Snake River / Engineering Transit – 6 Runs – X-band H-H no STC, Runs 1-6 / L-band H-V with STC, Runs 2-5

Negative

770906-2

Hurricane II – Channel C – Part 1

Engineering Transit / Scabland / Mt. Hood – 10 Runs – X-band H-H with STC, Run 1 / No STC, Run 2 / L-band H-V with STC, Runs 3-10

Negative

770906-3

Hurricane II – Channel C – Part 1

Transit to Mt. Lassen Pass – 4 Runs – L-band H-V with STC, Runs 1-3 / X-band H-H with and without STC, Run 4

Negative

770912-1

Hurricane II – Channel C – Part 1

Texas / Oklahoma / Colorado – 4 Runs – L-band H-V with STC / No Run IDs

Negative

770915-1

Hurricane II – Channel C – Part 1

Powder River / Black Hills – 7 Runs – L-band H-V with STC / No Run IDs

Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770915-2

Hurricane II – Channel C – Part 1

Black Hills – 5 Runs – L-band H-V with STC / No Run IDs

Negative

770916-1

Hurricane II – Channel C – Part 1

Dodge City / Topeka / Transit – 3 Runs – X-band H-H with STC / No Run IDs

Negative

770927-1

Hurricane II – Channel C – Part 1

Grand Canyon – 8 Runs – L-band H-V with STC / No Run IDs

Negative

770927-2

Hurricane II – Channel C – Part 1

Grand Canyon / 29 Palms / Needles – 4 Runs – L-band H-V with STC / No Run IDs

Negative

770929-1

Hurricane II – Channel C – Part 1

Crescent Valley / Transit / Moab – 5 Runs – L-band H-V with STC / No Run IDs

Negative

770929-2

Hurricane II – Channel C – Part 1

Moab / Engineering Data – L-band H-V with STC, Runs 1-7 / No Data, Run 8 / X-band H-H  
no STC, Run 9

Negative

Roll 9

770811-1

Hurricane II – Channel D – Part 1

Arizona – 20 Runs – No Data, Runs 1-2 / L-band H-H with STC, Runs 3-20

Negative

770811-2

Hurricane II – Channel D – Part 1

Mojave / Big Sur Fire – 2 Runs – L-band H-H with STC, Run 1 / X-band H-H w STC, Run 2

Negative

770825-1

Hurricane II – Channel D – Part 1

Snake River Plain – 5 Runs – L-band H-H with STC / No Run IDs

Negative



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770825-2

Hurricane II – Channel D – Part 1

Snake River Plain – 8 Runs – L-band H-H with STC, Runs 1-5, 7 / X-band H-H with STC, Runs 6,8

Negative

770830-1

Hurricane II – Channel D – Part 1

Barstow / Indio – 10 Runs – L-band H-H with STC / No Run IDs

Negative

770830-2

Hurricane II – Channel D – Part 1

Indio / Arizona – 10 Runs – L-band H-H with STC / No Run IDs

Negative

770906-1

Hurricane II – Channel D – Part 1

Snake River / Engineering Transit – 6 Runs – L-band H-H with STC / No Run IDs

Negative

770906-2

Hurricane II – Channel D – Part 1

Engineering Transit / Scabland / Mt. Hood – 10 Runs – L-band H-H with STC / No Run IDs

Negative

770906-3

Hurricane II – Channel D – Part 1

Transit to Mt. Lassen Pass – 4 Runs – L-band H-H with STC / No Run IDs

Negative

770912-1

Hurricane II – Channel D – Part 1

Texas / Oklahoma / Colorado – 4 Runs – L-band H-H with STC / No Run IDs

Negative

770915-1

Hurricane II – Channel D – Part 1

Powder River / Black Hills – 7 Runs – L-band V-V with STC / No Run IDs

Negative

770915-2

Hurricane II – Channel D – Part 1

Black Hills – 5 Runs – L-band V-V with STC / No Run IDs

Negative

770916-1

Hurricane II – Channel D – Part 1

Dodge City / Topeka / Transit – 3 Runs – L-band V-V with STC / No Run IDs

Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 10

770918-3  
Hurricane II – Channel A – Part 2  
Texas – 1 Run – X-band H-H with STC  
Negative

770919-1  
Hurricane II – Channel A – Part 2  
Powder River / Transit to NUQ – 4 Runs – X-band H-H with STC  
Negative

770927-1  
Hurricane II – Channel A – Part 2  
Grand Canyon #1 – 1 Run – L-band H-V with STC  
Negative

770927-2  
Hurricane II – Channel A – Part 2  
Grand Canyon #2-#9 – 8 Runs – L-band H-V with STC  
Negative

770927-3  
Hurricane II – Channel A – Part 2  
Grand Canyon #10 / 29 Palms / Needles – 3 Runs – L-band H-V with STC  
Negative

770929-1  
Hurricane II – Channel A – Part 2  
Crescent Valley / Transit / Moab – 6 Runs – L-band H-V with STC  
Negative

770929-2  
Hurricane II – Channel A – Part 2  
Moab / Engineering Data – 8 Runs – L-band H-V with STC, Runs 1-6 / No Data, Run 7 /  
X-band H-H with STC, Run 8  
Negative

771024-1  
Hurricane II – Channel A – Part 2  
Guatemala – 6 Runs – X-band H-H with STC, Runs 1-2, 4-6 / L-band H-V with STC, Run 3  
Negative

771025-1  
Hurricane II – Channel A – Part 2  
Guatemala – 8 Runs – X-band H-H with STC  
Negative

771025-2  
Hurricane II – Channel A – Part 2  
Guatemala (including Tikal) – 12 Runs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 11

770817-1  
Hurricane II – Channel B – Positive Roll  
Southern California Flood Assessment / Big Sur Fire  
11 Runs – L-band H-H with STC / No Run IDs  
Negative

770825-1  
Hurricane II – Channel B – Positive Roll  
Snake River Plain – 6 Runs – L-band H-H with STC / No Run IDs  
Negative

770830-1  
Hurricane II – Channel B – Positive Roll  
Barstow / Indio – 10 Runs – L-band H-H with STC / No Run IDs  
Negative

770830-2  
Hurricane II – Channel B – Positive Roll  
Indio / Arizona – 8 Runs – L-band H-H with STC / No Run IDs  
Negative

770830-3  
Hurricane II – Channel B – Positive Roll  
Salton Sea to Riverside / Transit to NUQ – 4 Runs – L-band H-H with STC / No Run IDs  
Positive

770906-1  
Hurricane II – Channel B – Positive Roll  
Snake River – 2 Runs – L-band H-H with STC / No Run IDs  
Positive

770906-2  
Hurricane II – Channel B – Positive Roll  
Snake River / Engineering Transit / Scabland – 8 Runs  
L-band H-H with STC / No Run IDs  
Positive

Roll 12

770918-3  
Hurricane II – Channel B – Part 2  
Texas – 1 Run – L-band H-H with STC  
Negative

770919-1  
Hurricane II – Channel B – Part 2  
Powder River / Transit to NUQ – 4 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770927-1

Hurricane II – Channel B – Part 2  
Grand Canyon #1 – 1 Run – L-band H-H with STC  
Negative

770927-2

Hurricane II – Channel B – Part 2  
Grand Canyon #2-#9 – 8 Runs – L-band H-H with STC  
Negative

770927-3

Hurricane II – Channel B – Part 2  
Grand Canyon #10 / 29 Palms / Needles – 3 Runs – L-band H-H with STC  
Negative

770929-1

Hurricane II – Channel B – Part 2  
Crescent Valley / Transit / Moab – 6 Runs – L-band H-H with STC  
Negative

770929-2

Hurricane II – Channel B – Part 2  
Moab / Engineering Data – 8 Runs – L-band H-V with STC, Runs 1-6 / L-band Calibration  
Auto Sequence, Runs 7-8  
Negative

771024-1

Hurricane II – Channel B – Part 2  
Guatemala – 6 Runs – X-band H-H with STC, Runs 1-2, 4-6 / L-band H-V with STC, Run 3  
Negative

771025-1

Hurricane II – Channel B – Part 2  
Guatemala – 8 Runs – L-band H-H with STC  
Negative

771025-2

Hurricane II – Channel B – Part 2  
Guatemala (including Tikal) – 12 Runs – L-band H-H with STC  
Negative

771031-1

Hurricane II – Channel B – Part 2  
GASP / Van Overflight – 2 Runs – L-band H-H with STC, Runs 1-2  
Negative

771031-2

Hurricane II – Channel B – Part 2  
GASP / Nevada / Utah / California – 4 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 13

770927-1  
Hurricane II – Channel D – Part 2  
Grand Canyon #1-#8 – 8 Runs – L-band H-H with STC  
Negative

770927-2  
Hurricane II – Channel D – Part 2  
Grand Canyon #9 / 29 Palms / Needles – 4 Runs – L-band H-H with STC  
Negative

770929-1  
Hurricane II – Channel D – Part 2  
Crescent Valley / Transit / Moab – 5 Runs – L-band H-H with STC  
Negative

770929-2  
Hurricane II – Channel D – Part 2  
Moab / Engineering Data – 8 Runs – L-band H-H with STC, Runs 1-7 / L-band Calibration  
Auto Sequence, Runs 8-9  
Negative

771025-2  
Hurricane II – Channel D – Part 2  
Guatemala (including Tikal) – 12 Runs – L-band H-H with STC, Runs 1, 3-12 /  
VHF V-V, Run 2  
Negative

771031-1  
Hurricane II – Channel D – Part 2  
GASP / Van Overflight – 2 Runs – L-band H-H with STC – Extended Swath  
Negative

771031-2  
Hurricane II – Channel D – Part 2  
GASP – 4 Runs – L-band H-H with STC, Runs 1-4  
Negative

Roll 14

770809-1  
Extra Hurricane II – 2DN – Channel B  
JPL Overflights – 3 Runs – L-band H-H with STC / No Run IDs  
Negative

770809-2  
Extra Hurricane II – 2DN – Channel B  
JPL Overflights – 14 Runs – L-band H-H with STC / No Run IDs  
Negative

770811-1  
Extra Hurricane II – 2DN – Channel B  
Arizona – L-band H-H with STC / No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770811-2

Extra Hurricane II – 2DN – Channel B  
Arizona / Mojave / Big Sur Fire – 9 Runs – L-band H-H with STC / No Run IDs  
Negative

770906-3

Extra Hurricane II – 2DN – Channel B  
Scabland / Mt. Hood / Mt. Lassen Pass – 10 Runs – L-band H-H with STC / No Run IDs  
Negative

770914-1

Extra Hurricane II – 2DN – Channel B  
Dodge City / Oklahoma City – 3 Runs – L-band V-V with STC / No Run IDs  
Negative

770915-1

Extra Hurricane II – 2DN – Channel B  
Powder River – 4 Runs – L-band V-V with STC / No Run IDs  
Negative

770915-2

Extra Hurricane II – 2DN – Channel B  
Powder River / Black Hills – 8 Runs – L-band V-V with STC / No Run IDs  
Negative

770918-3

Extra Hurricane II – 2DN – Channel B  
Texas – 1 Run – L-band H-H with STC  
Negative

770919-1

Extra Hurricane II – 2DN – Channel B  
Powder River / Transit to NUQ – 4 Runs – L-band H-H with STC  
Negative

770927-1

Extra Hurricane II – 2DN – Channel B  
Grand Canyon #1 – 1 Run – L-band H-H with STC  
Negative

770927-2

Extra Hurricane II – 2DN – Channel B  
Grand Canyon #2-#9 – 8 Runs – L-band H-H with STC  
Negative

770927-3

Extra Hurricane II – 2DN – Channel B  
Grand Canyon #10 / 29 Palms / Needles – 3 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770929-1

Extra Hurricane II – 2DN – Channel B  
Crescent Valley / Transit / Moab – 6 Runs – L-band H-H with STC  
Negative

770929-2

Extra Hurricane II – 2DN – Channel B  
Moab / Engineering Data – 8 Runs – L-band H-V with STC, Runs 1-6 / L-band Calibration  
Auto Sequence, Runs 7-8  
Negative

771025-1

Extra Hurricane II – 2DN – Channel B  
Guatemala – 8 Runs – L-band H-H with STC  
Negative

771025-2

Extra Hurricane II – 2DN – Channel B  
Guatemala (including Tikal) – 12 Runs – L-band H-H with STC  
Negative

771031-1

Extra Hurricane II – 2DN – Channel B  
GASP / Van Overflight – 2 Runs – L-band H-H with STC  
Negative

771031-2

Extra Hurricane II – 2DN – Channel B  
GASP / Nevada / Utah / California – 4 Runs – L-band H-H with STC  
Negative

Roll 15

770906-1

Extra Hurricane II – 3DN – Channel D  
Snake River / Engineering Transit – 6 Runs – L-band H-H with STC / No Run IDs  
Negative

770906-3

Extra Hurricane II – 3DN – Channel D  
Transit to Mt. Lassen Pass – 4 Runs – L-band H-H with STC / No Run IDs  
Negative

770912-1

Extra Hurricane II – 3DN – Channel D  
Texas / Oklahoma / Colorado – 4 Runs – L-band H-H with STC / No Run IDs  
Negative

770927-1

Extra Hurricane II – 3DN – Channel D  
Grand Canyon #1-#8 – 8 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770927-2

Extra Hurricane II – 3DN – Channel D  
Grand Canyon #9 / 29 Palms / Needles – 4 Runs – L-band H-H with STC  
Negative

770929-1

Extra Hurricane II – 3DN – Channel D  
Crescent Valley / Transit / Moab – 5 Runs – L-band H-H with STC  
Negative

770929-2

Extra Hurricane II – 3DN – Channel D  
Moab / Engineering Data – 8 Runs – L-band H-H with STC, Runs 1-7 / L-band Calibration  
Auto Sequence, Runs 8-9  
Negative

771031-1

Extra Hurricane II – 3DN – Channel D  
GASP / Van Overflight – 2 Runs – L-band H-H with STC – Extended Swath  
Negative

771031-2

Extra Hurricane II – 3DN – Channel D  
GASP – 4 Runs – L-band H-H with STC, Runs 1-4  
Negative

**BOX D-2  
(12 OF 19)**

**AIDJEX / Winter Experiment / Geology 1978 / Guatemala (Geology 1978) / Alaska 1978**

Roll 16

770825-1

Hurricane II – Channel A – Extra Data  
Snake River Plains – 6 Runs – L-band H-V with STC  
Negative

770906-2

Hurricane II – Channel A – Extra Data  
Snake River / Engineering Transit / Scabland – 8 Runs – L-band H-V with STC, Runs 1-3, 7-8 / L-band H-H no STC, Runs 4-6  
Negative

770906-2

Hurricane II – Channel A – Extra Data  
Snake River / Engineering Transit / Scabland – 8 Runs – L-band H-V with STC, Runs 1-3, 7-8 / L-band H-H no STC, Runs 4-6  
Negative



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770906-3  
Hurricane II – Channel A – Extra Data  
Scabland / Mt. Hood / Mt. Lassen Pass – 10 Runs – L-band H-V with STC, Runs 1-9 /  
X-band H-H with and without STC, Run 10  
Negative

770906-3  
Hurricane II – Channel A – Extra Data  
Scabland / Mt. Hood / Mt. Lassen Pass – 10 Runs – L-band H-V with STC, Runs 1-9 /  
X-band H-H with and without STC, Run 10  
Negative

770929-2  
Hurricane II – Channel A – Extra Data  
Moab / Engineering Run – 8 Runs – L-band H-V with STC, Runs 1-6 / No Data, Run 7 /  
X-band H-H with STC, Run 8  
Negative

Roll 17 770825-1  
Hurricane II – Channel B – Extra Data  
Snake River Plains – 6 Runs – L-band H-H with STC  
Negative

770830-3  
Hurricane II – Channel B – Extra Data  
Salton Sea to Riverside / Transit to NUQ – 3 Runs – L-band H-H with STC  
Negative

770906-1  
Hurricane II – Channel B – Extra Data  
Snake River – 2 Runs – L-band H-H with STC  
Negative

770906-2  
Hurricane II – Channel B – Extra Data  
Snake River / Engineering Transit / Scabland – 8 Runs – L-band H-H with STC  
Negative

770906-3  
Hurricane II – Channel B – Extra Data  
Scabland / Mt. Hood / Mt. Lassen Pass – 10 Runs – L-band H-V with STC, Runs 1-9 /  
X-band H-H with and without STC, Run 10  
Negative

770929-2  
Hurricane II – Channel B – Extra Data  
Moab / Engineering Run – 8 Runs – L-band H-H with STC, Runs 1-6 / L-band Calibration  
Sequence, Runs 7-8  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

771025-2  
Hurricane II – Channel B – Extra Data  
Guatemala (including Tikal) – L-band H-H with STC  
Negative

Roll 18

770825-1  
Hurricane II – Channel C – Extra Data  
Snake River Plain – 5 Runs – L-band H-V with STC / No Run IDs  
Negative

770825-2  
Hurricane II – Channel C – Extra Data  
Snake River Plain – 8 Runs – L-band H-V with STC / No Run IDs  
Negative

770906-1  
Hurricane II – Channel C – Extra Data  
Snake River / Engineering Transit – 6 Runs – X-band H-H no STC, Runs 1-6 / L-band H-V  
with STC, Runs 2-5  
Negative

770906-3  
Hurricane II – Channel C – Extra Data  
Transit to Mt. Lassen Pass – 4 Runs – L-band H-V with STC, Runs 1-3 / X-band H-H with  
and without STC, Run 4  
Negative

770912-1  
Hurricane II – Channel C – Extra Data  
Texas / Oklahoma / Colorado – 4 Runs – L-band H-V with STC / No Run IDs  
Negative

770906-3  
Hurricane II – Channel C – Extra Data  
Transit to Mt. Lassen Pass – 4 Runs – L-band H-V with STC, Runs 1-3 / X-band H-H with  
and without STC, Run 4  
Negative

770912-1  
Hurricane II – Channel C – Extra Data  
Texas / Oklahoma / Colorado – 4 Runs – L-band H-V with STC / No Run IDs  
Negative

Roll 19

770825-1  
Hurricane II – Channel D – Extra Data  
Snake River Plains – 6 Runs – L-band H-H with STC / Extended Swath for Run 1  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

770825-2

Hurricane II – Channel D – Extra Data

Snake River Plains – 8 runs – L-band H-H with STC, Runs 1-5, 7 / X-band H-H with STC  
Negative

770906-1

Hurricane II – Channel D – Extra Data

Snake River / Engineering Transit – 5 Runs – Extended Swaths – L-band H-H with STC  
Negative

770906-1

Hurricane II – Channel D – Extra Data

Snake River / Engineering Transit – 6 Runs – Extended Swaths – L-band H-H with STC  
Negative

770906-3

Hurricane II – Channel D – Extra Data

Transit to Mt. Lassen / Mt. Lassen Pass – 4 Runs – L-band H-H with STC  
Negative

770906-3

Hurricane II – Channel D – Extra Data

Transit to Mt. Lassen / Mt. Lassen Pass – 4 Runs – L-band H-H with STC  
Negative

770912-1

Hurricane II – Channel D – Extra Data

Texas / Oklahoma / Colorado – 4 Runs – L-band H-H with STC  
Negative

770912-1

Hurricane II – Channel D – Extra Data

Texas / Oklahoma / Colorado – 4 Runs – L-band H-H with STC  
Negative

Roll 20

820610-0

1982 Summer Flights OR 102-4 – Channel A

Engineering Test Flight – No Run IDs

Negative

820616-0

1982 Summer Flights OR 102-4 – Channel A

Southern California Geology – No Run IDs

Negative

820617-0

1982 Summer Flights OR 102-4 – Channel A

Monterey Bay / Engineering Test – No Run IDs

Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

820624-0  
1982 Summer Flights OR 102-4 – Channel A  
Montana Geology – No Run IDs  
Negative

820626-0  
1982 Summer Flights OR 102-4 – Channel A  
Montana Geology – No Run IDs  
Negative

820716-0  
1982 Summer Flights OR 102-4 – Channel A  
West Indies Geology– No Run IDs  
Negative

820717-0  
1982 Summer Flights OR 102-4 – Channel A  
West Indies Geology– No Run IDs  
Negative

820718-0  
1982 Summer Flights OR 102-4 – Channel A  
West Indies Geology– No Run IDs  
Negative

820719-0  
1982 Summer Flights OR 102-4 – Channel A  
West Indies Geology– No Run IDs  
Negative

820722-1  
1982 Summer Flights OR 102-4 – Channel A  
West Indies Geology– No Run IDs  
Negative

820722-2  
1982 Summer Flights OR 102-4 – Channel A  
West Indies Geology– No Run IDs  
Negative

820724-1  
1982 Summer Flights OR 102-4 – Channel A  
West Indies Geology– No Run IDs  
Negative

820724-2  
1982 Summer Flights OR 102-4 – Channel A  
West Indies Geology– No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

820724-3  
1982 Summer Flights OR 102-4 – Channel A  
West Indies Geology– No Run IDs  
Negative

820726-1  
1982 Summer Flights OR 102-4 – Channel A  
West Indies Geology– No Run IDs  
Negative

Roll 21

820610-0  
1982 Summer Flights OR 102-4 – Channel B  
Engineering Test Flight – No Run IDs  
Negative

820616-0  
1982 Summer Flights OR 102-4 – Channel B  
Southern California Geology – No Run IDs  
Negative

820617-0  
1982 Summer Flights OR 102-4 – Channel B  
Monterey Bay / Engineering Test – No Run IDs  
Negative

820624-0  
1982 Summer Flights OR 102-4 – Channel B  
Montana Geology – No Run IDs  
Negative

820626-0  
1982 Summer Flights OR 102-4 – Channel B  
Montana Geology – No Run IDs  
Negative

820716-0  
1982 Summer Flights OR 102-4 – Channel B  
West Indies Geology– No Run IDs  
Negative

820717-0  
1982 Summer Flights OR 102-4 – Channel B  
West Indies Geology– No Run IDs  
Negative

820718-0  
1982 Summer Flights OR 102-4 – Channel B  
West Indies Geology– No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

820719-0  
1982 Summer Flights OR 102-4 – Channel B  
West Indies Geology– No Run IDs  
Negative

820722-1  
1982 Summer Flights OR 102-4 – Channel B  
West Indies Geology– No Run IDs  
Negative

820722-2  
1982 Summer Flights OR 102-4 – Channel B  
West Indies Geology– No Run IDs  
Negative

820724-1  
1982 Summer Flights OR 102-4 – Channel B  
West Indies Geology– No Run IDs  
Negative

820724-2  
1982 Summer Flights OR 102-4 – Channel B  
West Indies Geology– No Run IDs  
Negative

820724-3  
1982 Summer Flights OR 102-4 – Channel B  
West Indies Geology– No Run IDs  
Negative

820726-1  
1982 Summer Flights OR 102-4 – Channel B  
West Indies Geology– No Run IDs  
Negative

Roll 22 820610-0  
1982 Summer Flights OR 102-5 – Channel A  
Engineering Test Flight – No Run IDs  
Negative

820616-0  
1982 Summer Flights OR 102-5 – Channel A  
Southern California Geology – No Run IDs  
Negative

820617-0  
1982 Summer Flights OR 102-5 – Channel A  
Monterey Bay / Engineering Test – No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

820624-0  
1982 Summer Flights OR 102-5 – Channel A  
Montana Geology – No Run IDs  
Negative

820626-0  
1982 Summer Flights OR 102-5 – Channel A  
Montana Geology – No Run IDs  
Negative

820716-0  
1982 Summer Flights OR 102-5 – Channel A  
West Indies Geology– No Run IDs  
Negative

820717-0  
1982 Summer Flights OR 102-5 – Channel A  
West Indies Geology– No Run IDs  
Negative

820718-0  
1982 Summer Flights OR 102-5 – Channel A  
West Indies Geology– No Run IDs  
Negative

820719-0  
1982 Summer Flights OR 102-5 – Channel A  
West Indies Geology– No Run IDs  
Negative

820722-1  
1982 Summer Flights OR 102-5 – Channel A  
West Indies Geology– No Run IDs  
Negative

820722-2  
1982 Summer Flights OR 102-5 – Channel A  
West Indies Geology– No Run IDs  
Negative

820724-1  
1982 Summer Flights OR 102-5 – Channel A  
West Indies Geology– No Run IDs  
Negative

820724-2  
1982 Summer Flights OR 102-5 – Channel A  
West Indies Geology– No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

820724-3  
1982 Summer Flights OR 102-5 – Channel A  
West Indies Geology– No Run IDs  
Negative

820726-1  
1982 Summer Flights OR 102-5 – Channel A  
West Indies Geology– No Run IDs  
Negative

Roll 23

820610-0  
1982 Summer Flights OR 102-5 – Channel B  
Engineering Test Flight – No Run IDs  
Negative

820616-0  
1982 Summer Flights OR 102-5 – Channel B  
Southern California Geology – No Run IDs  
Negative

820617-0  
1982 Summer Flights OR 102-5 – Channel B  
Monterey Bay / Engineering Test – No Run IDs  
Negative

820624-0  
1982 Summer Flights OR 102-5 – Channel B  
Montana Geology – No Run IDs  
Negative

820626-0  
1982 Summer Flights OR 102-5 – Channel B  
Montana Geology – No Run IDs  
Negative

820716-0  
1982 Summer Flights OR 102-5 – Channel B  
West Indies Geology– No Run IDs  
Negative

820717-0  
1982 Summer Flights OR 102-5 – Channel B  
West Indies Geology– No Run IDs  
Negative

820718-0  
1982 Summer Flights OR 102-5 – Channel B  
West Indies Geology– No Run IDs  
Negative



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

820719-0  
1982 Summer Flights OR 102-5 – Channel B  
West Indies Geology– No Run IDs  
Negative

820722-1  
1982 Summer Flights OR 102-5 – Channel B  
West Indies Geology– No Run IDs  
Negative

820722-2  
1982 Summer Flights OR 102-5 – Channel B  
West Indies Geology– No Run IDs  
Negative

820724-1  
1982 Summer Flights OR 102-5 – Channel B  
West Indies Geology– No Run IDs  
Negative

820724-2  
1982 Summer Flights OR 102-5 – Channel B  
West Indies Geology– No Run IDs  
Negative

820724-3  
1982 Summer Flights OR 102-5 – Channel B  
West Indies Geology– No Run IDs  
Negative

820726-1  
1982 Summer Flights OR 102-5 – Channel B  
West Indies Geology– No Run IDs  
Negative

Roll 24      820616  
Summer 1982 Flights OR 102-4 – Channel B – 1<sup>st</sup> Run / No Run IDs  
Positive

Roll 25      820616  
Summer 1982 Flights OR 102-4 – Channel B – 2<sup>nd</sup> Run / No Run IDs  
Positive

Roll 26      830811-1  
Summer 1983 Flights OR – 1/5 – Channel A / No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

830812-1  
Summer 1983 Flights OR – 1/5 – Channel A / No Run IDs  
Negative

830824  
Summer 1983 Flights OR – 1/5 – Channel A / No Run IDs  
Negative

830826  
Summer 1983 Flights OR – 1/5 – Channel A / No Run IDs  
Negative

830829  
Summer 1983 Flights OR – 1/5 – Channel A / No Run IDs  
Negative

830830  
Summer 1983 Flights OR – 1/5 – Channel A / No Run IDs  
Negative

830901  
Summer 1983 Flights OR – 1/5 – Channel A / No Run IDs  
Negative

830906  
Summer 1983 Flights OR – 1/5 – Channel A / No Run IDs  
Negative

830907  
Summer 1983 Flights OR – 1/5 – Channel A / No Run IDs  
Negative

830908  
Summer 1983 Flights OR – 1/5 – Channel A / No Run IDs  
Negative

830914  
Summer 1983 Flights OR – 1/5 – Channel A / No Run IDs  
Negative

830916  
Summer 1983 Flights OR – 1/5 – Channel A / No Run IDs  
Negative

Roll 27

830811-1  
Summer 1983 Flights OR – 1/5 – Channel B / No Run IDs  
Negative

830812-1  
Summer 1983 Flights OR – 1/5 – Channel B / No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

830824  
Summer 1983 Flights OR – 1/5 – Channel B / No Run IDs  
Negative

830826  
Summer 1983 Flights OR – 1/5 – Channel B / No Run IDs  
Negative

830829  
Summer 1983 Flights OR – 1/5 – Channel B / No Run IDs  
Negative

830830  
Summer 1983 Flights OR – 1/5 – Channel B / No Run IDs  
Negative

830901  
Summer 1983 Flights OR – 1/5 – Channel B / No Run IDs  
Negative

830906  
Summer 1983 Flights OR – 1/5 – Channel B / No Run IDs  
Negative

830907  
Summer 1983 Flights OR – 1/5 – Channel B / No Run IDs  
Negative

830908  
Summer 1983 Flights OR – 1/5 – Channel B / No Run IDs  
Negative

830914  
Summer 1983 Flights OR – 1/5 – Channel B / No Run IDs  
Negative

830916  
Summer 1983 Flights OR – 1/5 – Channel B / No Run IDs  
Negative

**BOX D-3  
(13 OF 19)**

**AIDJEX / Winter Experiment / Geology 1978 / Guatemala (Geology 1978) / Alaska 1978**

Roll 28  
(1 of 3)

830811-1  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

830812-1  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Negative

830824  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Negative

830826  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Negative

830829  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Negative

830830  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Negative

830901  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Negative

830906  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Negative

830907  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Negative

830908  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Negative

830914  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Negative

830916  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Negative

Roll 28  
(2 of 3)

830811-1  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

830812-1  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830824  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830826  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830829  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830830  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830901  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830906  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830907  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830908  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830914  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830916  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

Roll 28  
(3 of 3)

830811-1  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

830812-1  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830824  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830826  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830829  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830830  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830901  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830906  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830907  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830908  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830914  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

830916  
Summer 1983 Flights OR – 2/2 – Channel A / No Run IDs  
Positive

Roll 29

830811-1  
Summer 1983 Flights OR – 2/2 – Channel B / No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

830812-1

Summer 1983 Flights OR – 2/2 – Channel B / No Run IDs  
Negative

830824

Summer 1983 Flights OR – 2/2 – Channel B / No Run IDs  
Negative

830826

Summer 1983 Flights OR – 2/2 – Channel B / No Run IDs  
Negative

830829

Summer 1983 Flights OR – 2/2 – Channel B / No Run IDs  
Negative

830830

Summer 1983 Flights OR – 2/2 – Channel B / No Run IDs  
Negative

830901

Summer 1983 Flights OR – 2/2 – Channel B / No Run IDs  
Negative

830906

Summer 1983 Flights OR – 2/2 – Channel B / No Run IDs  
Negative

830907

Summer 1983 Flights OR – 2/2 – Channel B / No Run IDs  
Negative

830908

Summer 1983 Flights OR – 2/2 – Channel B / No Run IDs  
Negative

830914

Summer 1983 Flights OR – 2/2 – Channel B / No Run IDs  
Negative

830916

Summer 1983 Flights OR – 2/2 – Channel B / No Run IDs  
Negative

Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)

**BOX E-1      Geology 1980 / Summer 1984 / Summer 1985**  
**(14 OF 19)**

Roll 1      800804  
(1 of 2)      Geology 1890 – OR/ 102-1 – Channel A  
                 16 Runs – L-band / H-V / With STC  
                 Negative

                 800808  
                 Geology 1890 – OR/ 102-1 – Channel A  
                 7 Runs – L-band / V-V / With STC  
                 Negative

                 800810  
                 Geology 1890 – OR/ 102-1 – Channel A  
                 3 Runs – L-band / V-V / With STC  
                 Negative

                 800811  
                 Geology 1890 – OR/ 102-1 – Channel A  
                 7 Runs – L-band / V-V / With STC  
                 Negative

                 800911  
                 Geology 1890 – OR/ 102-1 – Channel A  
                 5 Runs – L-band / H-H / With STC – Runs 1-4 / V-H / With STC – Run 5  
                 Negative

                 800918  
                 Geology 1890 – OR/ 102-1 – Channel A  
                 17 Runs – L-band / V-H / With STC  
                 Negative

Roll 1      800804  
(2 of 2)      Geology 1890 – OR/ 102-1 – Channel A  
                 16 Runs – L-band / H-V / With STC  
                 Positive

                 800808  
                 Geology 1890 – OR/ 102-1 – Channel A  
                 7 Runs – L-band / V-V / With STC  
                 Positive

                 800810  
                 Geology 1890 – OR/ 102-1 – Channel A  
                 3 Runs – L-band / V-V / With STC  
                 Positive

                 800811  
                 Geology 1890 – OR/ 102-1 – Channel A  
                 7 Runs – L-band / V-V / With STC  
                 Positive



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

800911  
Geology 1890 – OR/ 102-1 – Channel A  
5 Runs – L-band / H-H / With STC – Runs 1-4 / V-H / With STC – Run 5  
Positive

800918  
Geology 1890 – OR/ 102-1 – Channel A  
17 Runs – L-band / V-H / With STC  
Positive

Roll 2      800804  
Geology 1980 – Channel B  
Mount St. Helens  
Geology – 16 Runs – L-band / V-H / With STC  
Positive

Roll 3      [Missing]

Roll 4  
(1 of 2)      800804  
Mount St. Helens  
Geology 1980 – OR 102-1 – Channel B  
Mount St. Helens Geology – 16 Runs – L-band / V-H / With STC  
Positive

800808  
Guatemala – Belize – Yucatan  
Geology 1980 – OR 102-1 – Channel B  
7 Runs – L-band / H-H / With STC  
Positive

800810  
Geology 1980 – OR 102-1 – Channel B  
3 Runs – L-band / H-H / With STC  
Positive

800811  
Geology 1980 – OR 102-1 – Channel B  
7 Runs – L-band / H-H / With STC  
Positive

800911  
Geology 1980 – OR 102-1 – Channel B  
5 Runs – L-band / H-H / With STC  
Positive

800918  
Geology 1980 – OR 102-1 – Channel B  
17 Runs – L-band / H-H / With STC  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 4  
(2 of 2)

800804  
Mount St. Helens  
Geology 1980 – OR 102-1 – Channel B  
Mount St. Helens Geology – 16 Runs – L-band / V-H / With STC  
Positive

800808  
Guatemala – Belize – Yucatan  
Geology 1980 – OR 102-1 – Channel B  
7 Runs – L-band / H-H / With STC  
Positive

800810  
Geology 1980 – OR 102-1 – Channel B  
3 Runs – L-band / H-H / With STC  
Positive

800811  
Geology 1980 – OR 102-1 – Channel B  
7 Runs – L-band / H-H / With STC  
Positive

800911  
Geology 1980 – OR 102-1 – Channel B  
5 Runs – L-band / H-H / With STC  
Positive

800918  
Geology 1980 – OR 102-1 – Channel B  
17 Runs – L-band / H-H / With STC  
Positive

Roll 5

800808  
Geology 1980 OR 2 (Out of Focus) – Channel B  
7 Runs – No documentation  
Negative

Roll 6  
(1 of 2)

800911  
Geology 1980 – OR 102-2 – Channel A  
5 Runs – L-band / H-H / With STC – Runs 1-4 / H-V / With STC – Run 5  
Negative

800918  
Geology 1980 – OR 102-2 – Channel A  
17 Runs – L-band / H-V / With STC  
Negative

Roll 6  
(2 of 2)

800911  
Geology 1980 – OR 102-2 – Channel A  
5 Runs – L-band / H-H / With STC – Runs 1-4 / H-V / With STC – Run 5  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

800918  
Geology 1980 – OR 102-2 – Channel A  
17 Runs – L-band / H-V / With STC  
Positive

Roll 7  
(1 of 2) 800911  
Geology 1980 – OR 102-2 – Channel B  
5 Runs – L-band / H-H / With STC – Runs 1-4 / V-V / With STC – Run 5  
Negative

800918  
Geology 1980 – OR 102-2 – Channel B  
17 Runs – L-band / H-V / With STC  
Negative

Roll 7  
(2 of 2) 800911  
Geology 1980 – OR 102-2 – Channel B  
5 Runs – L-band / H-H / With STC – Runs 1-4 / V-V / With STC – Run 5  
Positive

800918  
Geology 1980 – OR 102-2 – Channel B  
17 Runs – L-band / H-V / With STC  
Positive

Roll 8 [Missing]

Roll 9  
(1 of 2) 840816  
84 Summer Test Flights – OR 2 – Channel A – Position 2  
Moffett-to-Moffett / Sensor Checkout – 5 Runs / H-H  
Positive

840910-840911  
84 Summer Test Flights – OR 2 – Channel A – Position 2  
Moffett-Houston / Meteor Crater – Tucson – 15 Runs / H-H  
Positive

840914  
84 Summer Test Flights – OR 2 – Channel A – Position 2  
Houston-McGuire / Jacks Forest – 7 Runs / H-H  
Positive

840916  
84 Summer Test Flights – OR 2 – Channel A – Position 2  
McGuire-McGuire / Winchester – 8 Runs / H-H  
Positive

840916-840917  
84 Summer Test Flights – OR 2 – Channel A – Position 2  
McGuire-McGuire / Blackwater – 12 Runs / H-H  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

840920-840921

84 Summer Test Flights – OR 2 – Channel A – Position 2  
McGuire-Duluth / Sir-B / New England – 13 Runs / H-H  
Positive

840926

84 Summer Test Flights – OR 2 – Channel A – Position 2  
Northern California – 15 Runs / H-H  
Positive

840928

84 Summer Test Flights – OR 2 – Channel A – Position 2  
California-Nevada / Sir-B – 15 Runs / H-H  
Positive

Roll 9  
(2 of 2)

840816

84 Summer Test Flights – OR 2 – Channel A – Position 2  
Moffett-to-Moffett / Sensor Checkout – 5 Runs / H-H  
Positive

840910-840911

84 Summer Test Flights – OR 2 – Channel A – Position 2  
Moffett-Houston / Meteor Crater – Tucson – 15 Runs / H-H  
Positive

840914

84 Summer Test Flights – OR 2 – Channel A – Position 2  
Houston-McGuire / Jacks Forest – 7 Runs / H-H  
Positive

840916

84 Summer Test Flights – OR 2 – Channel A – Position 2  
McGuire-McGuire / Winchester – 8 Runs / H-H  
Positive

840916-840917

84 Summer Test Flights – OR 2 – Channel A – Position 2  
McGuire-McGuire / Blackwater – 12 Runs / H-H  
Positive

840920-840921

84 Summer Test Flights – OR 2 – Channel A – Position 2  
McGuire-Duluth / Sir-B / New England – 13 Runs / H-H  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

840926  
84 Summer Test Flights – OR 2 – Channel A – Position 2  
Northern California – 15 Runs / H-H  
Positive

840928  
84 Summer Test Flights – OR 2 – Channel A – Position 2  
California-Nevada / Sir-B – 15 Runs / H-H  
Positive

**BOX E-2  
(15 OF 19)**

**Geology 1980 / Summer 1984 / Summer 1985**

Roll 10 [Missing]

Roll 11 841017  
84 Summer / Fall – OR 2 – Channel A  
Moffett-Moffett / NOSC Tower / Raisin City, California / H-H  
Positive

841031  
84 Summer / Fall – OR 2 – Channel A  
Moffett-Moffett / NOSC Tower, California / H-H  
Positive

841104-841106  
Moffett-Moffett / NOSC Tower and Los Angeles, California / Southern California / H-H  
Positive

841107  
84 Summer / Fall – OR 2 – Channel A  
Moffett-Moffett / NOSC Tower / Monterey Bay, California / H-H  
Positive

Roll 12 840920-840921  
84 Summer / Fall – OR 2 – Channel A  
McQuire-to-Deluth / SIR-B / Connecticut, Upstate New York / Ely Pines, Minnesota / H-H  
Positive

840926  
84 Summer / Fall – OR 2 – Channel A  
Moffett-Moffett / Northern California / SIR-B / H-H  
Positive

840928  
84 Summer / Fall – OR 2 – Channel A  
Moffett-Moffett / California / Nevada / SIR-B / H-H  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

841018-841019  
84 Summer / Fall – OR 2 – Channel A  
Moffett-Moffett / Wind and Snake Rivers, Wyoming and ID / Raisin City, California / H-H  
Positive

Roll 13      850308  
85 Spring Flight – Engineering Checkout #1 – OR 5 – Channel A  
Moffett-to-Moffett / V-V  
Negative [?]

Roll 14      850308  
85 Spring Flight – Engineering Checkout #1 – OR 5 – Channel B  
Moffett-to-Moffett / V-V  
Negative [?]

Roll 15      850314  
85 Spring Flight  
OR 2 – Channel A / H-H  
Negative

850314  
85 Spring Flight  
OR 5 – Channel A / V-V  
Negative

850314  
85 Spring Flight  
OR 2 – Channel B / H-V  
Negative

850314  
85 Spring Flight  
OR 5 – Channel B / V-H  
Negative

Roll 16      850319  
85 Spring Flight  
OR 2 & 5 / Channels A & B / Positions 1 & 2 / Moffett-Moffett / First NOSC Tower Flight,  
California  
Negative

Roll 17      850327  
85 Spring Flight  
OR 2 – Channel A / No documentation  
Negative

Roll 18      850424  
85 Spring Flight  
OR 1 – Channel B / No documentation  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

850424  
85 Spring Flight  
OR 2 – Channel B / No documentation  
Negative

Roll 19      850521  
85 Spring Flight  
OR 2 – Channel B / No Documentation  
Negative

**BOX E-3      Geology 1980 / Summer 1984 / Summer 1985**  
**(16 OF 19)**

Roll 20      850607  
85 Spring Flight  
OR 2 – Channel B / No Documentation  
Negative

850607  
85 Spring Flight  
OR 5 – Channel B / No Documentation  
Negative

Roll 21      850610  
85 Spring Flight  
OR 5 – Channel A / No Documentation  
Negative

Roll 22      850612-850614  
85 Summer Flight – OR 2 – Channel B  
Moffett-Omaha / Transit, Konza, Kansas / Omaha, New Jersey – Konza, Kansas /  
Ann Arbor, Michigan  
Negative

850616  
85 Summer Flight – OR 2 – Channel B  
New Jersey-New Jersey / Wetlands and Forests, Maryland / New York / Vermont  
Negative

850617-850618  
85 Summer Flight – OR 2 – Channel B  
New Jersey-Omaha / Transit, Traverse City, Michigan and Konza, Kansas / Omaha-Moffett  
Transit  
Konza, Kansas  
Negative

850621  
85 Summer Flight – OR 2 – Channel B  
Moffett-Moffett / Wind, Wyoming and Snake, Idaho / Rivers Geology  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

850627  
85 Summer Flight – OR 2 – Channel B  
Moffett-Moffett / CA / Nevada Geology  
Negative

850713  
85 Summer Flight – OR 2 – Channel B  
New Jersey-New Jersey / Wetlands and Forests, Maryland and New England  
Negative

Roll 23      850612-850614  
85 Summer Flight – OR 5 – Channel B  
Moffett-Omaha / Transit, Konza, Kansas / Omaha-New Jersey – Konza, Kansas /  
Ann Arbor, Michigan  
Negative

850616  
85 Summer Flight – OR 5 – Channel B  
New Jersey-New Jersey / Wetlands and Forests, Maryland / New York / Vermont  
Negative

850617-850618  
85 Summer Flight – OR 5 – Channel B  
New Jersey-Omaha / Transit, Traverse City, Michigan and Konza, Kansas / Omaha-Moffett  
Transit / Konza, Kansas  
Negative

850621  
85 Summer Flight – OR 5 – Channel B  
Moffett-Moffett / Wind, Wyoming and Snake, Idaho / Rivers Geology  
Negative

850627  
85 Summer Flight – OR 5 – Channel B  
Moffett-Moffett / CA / Nevada Geology  
Negative

850713  
85 Summer Flight – OR 5 – Channel B  
New Jersey-New Jersey / Wetlands and Forests, Maryland and New England  
Negative

Roll 24      850612  
85 Summer Flight OR 2 & 5 – Channel B  
Moffett Omaha – Transit, Konza, Kansas / C-band Only – Run 5, 6  
Negative



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

850614  
85 Summer Flight OR 2 & 5 – Channel B  
Omaha-New Jersey – Transit, Konza, Kansas / Ann Arbor, Michigan/ C-band 20, 21  
Negative

850616  
85 Summer Flight OR 2 & 5 – Channel B  
New Jersey-New Jersey / Wetlands and Forest, Maryland / New York / Vermont / C-band  
20, 21, 23  
Negative

850617-850618  
85 Summer Flight OR 2 & 5 – Channel B  
New Jersey-Omaha – Transit, Traverse City, Michigan and Konza, Kansas / Omaha-  
Moffett – Transit, Konza, Kansas / C-band 1, 17, 18, 19  
Negative

850621  
85 Summer Flight OR 2 & 5 – Channel B  
Moffett-Moffett / Wind, Wyoming - Snake, Idaho / River Geology / C-band 1, 11, 12, 13, 15  
Negative

850627  
85 Summer Flight OR 2 & 5 – Channel B  
Moffett-Moffett / CA / Nevada Geology / C-band 8  
Negative

Roll 25  
(1 of 4)

850616  
85 Summer Flight – OR 5 – Channel A  
New Jersey-New Jersey / Wetlands and Forests, Maryland / New York / Vermont  
Positive

850621  
85 Summer Flight – OR 5 – Channel A  
Moffett-Moffett / Wind, Wyoming / Snake, Idaho / Rivers Geology  
Positive

850627  
85 Summer Flight – OR 5 – Channel A  
Moffett-Moffett / California / Nevada Geology  
Positive

Roll 25  
(2 of 4)

850616  
85 Summer Flight – OR 5 – Channel A  
New Jersey-New Jersey / Wetlands and Forests, Maryland / New York / Vermont  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

850621  
85 Summer Flight – OR 5 – Channel A  
Moffett-Moffett / Wind, Wyoming / Snake, Idaho / Rivers Geology  
Positive

850627  
85 Summer Flight – OR 5 – Channel A  
Moffett-Moffett / California / Nevada Geology  
Positive

Roll 25  
(3 of 4) 850616  
85 Summer Flight – OR 5 – Channel A  
New Jersey-New Jersey / Wetlands and Forests, Maryland / New York / Vermont  
Positive

850621  
85 Summer Flight – OR 5 – Channel A  
Moffett-Moffett / Wind, Wyoming / Snake, Idaho / Rivers Geology  
Positive

850627  
85 Summer Flight – OR 5 – Channel A  
Moffett-Moffett / California / Nevada Geology  
Positive

Roll 25A  
(4 of 4) 850616  
85 Summer Flight – OR 5 – Channel A  
New Jersey-New Jersey / Wetlands and Forests, Maryland / New York / Vermont  
Negative

850621  
85 Summer Flight – OR 5 – Channel A  
Moffett-Moffett / Wind, Wyoming / Snake, Idaho / Rivers Geology  
Negative

850627  
85 Summer Flight – OR 5 – Channel A  
Moffett-Moffett / California / Nevada Geology  
Negative

Roll 26 850627 + 850710  
85 Summer Flights – Channel A  
OR 5 / Moffett-Moffett / California / Nevada Geology / Duluth-New Jersey – Transit Ely,  
Minnesota & Traverse, Michigan  
Negative

850627 + 850710  
85 Summer Flights – Channel A  
OR 2 / Moffett-Moffett / California / Nevada Geology / Duluth-New Jersey – Transit Ely,  
Minnesota & Traverse, Michigan  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

850713  
85 Summer Flights – Channel A  
OR 5 / New Jersey-New Jersey / Wetlands and Forests, Maryland and New England  
Negative

850713  
85 Summer Flights – Channel A  
OR 2 / New Jersey-New Jersey / Wetlands and Forests, Maryland and New England  
Negative

**BOX F-1  
(17 OF 19)      Guatemala for Walter Brown – 1977, 1978, 1980**

Roll 1  
(1 of 2)      771024  
Hurricane II Special GG  
Guatemala  
Channel B – L-band H-H with STC – 5 Runs  
Positive

771025  
Hurricane II Special GG  
Guatemala  
Channel B – L-band H-H with STC – 8 Runs  
Positive

771025  
Hurricane II Special GG  
Guatemala  
Channel D – L-band H-H with STC – Extended swath – 8 Runs  
Positive

771025  
Hurricane II Special GG  
Guatemala (including Tikal)  
Channel D – L-band H-H with STC – 12 Runs  
Positive

Roll 1  
(2 of 2)      771024  
Hurricane II Special GG  
Guatemala  
Channel B – L-band H-H with STC – 5 Runs  
Positive

771025  
Hurricane II Special GG  
Guatemala  
Channel B – L-band H-H with STC – 8 Runs  
Positive

771025  
Hurricane II Special GG  
Guatemala  
Channel D – L-band H-H with STC – Extended swath – 8 Runs  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

771025  
Hurricane II Special GG  
Guatemala (including Tikal)  
Channel D – L-band H-H with STC – 12 Runs  
Positive

Roll 2

770125  
Guatemala – Special Roll – Channel B – OR-1  
Guatemala  
8 Runs – L-band H-H with STC  
Negative

770125  
Guatemala – Special Roll – Channel B – OR-1  
Guatemala (including Tikal)  
12 Runs – L-band H-H with STC  
Negative

780414  
Guatemala – Special Roll – Channel B – OR-1  
Guatemala  
Geology 78 / Archeology #1 / Tikal, Guatemala – 13 Runs – L-band H-H with STC  
Negative

780417  
Guatemala – Special Roll – Channel B – OR-1  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Mirador, Guatemala – 7 Runs – L-band H-H with STC  
Negative

780414  
Guatemala – Special Roll – Channel B – OR-1  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Guatemala – 5 Runs – L-band H-H with STC  
Negative

780418  
Guatemala – Special Roll – Channel B – OR-1  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 7 Runs – L-band H-H with STC  
Negative

780418  
Guatemala – Special Roll – Channel B – OR-1  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 5 Runs – L-band H-H with STC  
Negative

780419  
Guatemala – Special Roll – Channel B – OR-1  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 3 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780419  
Guatemala – Special Roll – Channel B – OR-1  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 8 Runs – L-band H-H with STC  
Negative

780420  
Guatemala – Special Roll – Channel B – OR-1  
Guatemala  
Geology 78 / Archeology #5 / Guatemala / Flores Airstrip, Tikal, Mirador – 8 Runs – L-band H-H with STC  
Negative

Roll 3

770125  
Guatemala – Special Roll 2 (1981 Correlations) – Channel D – OR-2  
Guatemala  
8 Runs – L-band H-H with STC  
Negative

770125  
Guatemala – Special Roll 2 (1981 Correlations) – Channel D – OR-2  
Guatemala (including Tikal)  
12 Runs – L-band H-H with STC  
Negative

780414  
Guatemala – Special Roll 2 (1981 Correlations) – Channel D – OR-2  
Guatemala  
Geology 78 / Archeology #1 / Tikal, Guatemala – 13 Runs – L-band H-H with STC  
Negative

780417  
Guatemala – Special Roll 2 (1981 Correlations) – Channel D – OR-2  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Mirador, Guatemala – 7 Runs – L-band H-H with STC  
Negative

780414  
Guatemala – Special Roll 2 (1981 Correlations) – Channel D – OR-2  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Guatemala – 5 Runs – L-band H-H with STC  
Negative

780418  
Guatemala – Special Roll 2 (1981 Correlations) – Channel D – OR-2  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 7 Runs – L-band H-H with STC  
Negative

780418  
Guatemala – Special Roll 2 (1981 Correlations) – Channel D – OR-2  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 5 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780419  
Guatemala – Special Roll 2 (1981 Correlations) – Channel D – OR-2  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 3 Runs – L-band H-H with STC  
Negative

780419  
Guatemala – Special Roll 2 (1981 Correlations) – Channel D – OR-2  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 8 Runs – L-band H-H with STC  
Negative

780420  
Guatemala – Special Roll 2 (1981 Correlations) – Channel D – OR-2  
Guatemala  
Geology 78 / Archeology #5 / Guatemala / Flores Airstrip, Tikal, Mirador – 8 Runs – L-band H-H with  
STC  
Negative

Roll 4

780414  
RRST Temporary Roll – Channel B (not in consecutive day order)  
Guatemala  
Geology 78 / Archeology #1 / Tikal, Guatemala – 13 Runs – L-band H-H with STC  
Negative

780417  
RRST Temporary Roll – Channel B (not in consecutive day order)  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Mirador, Guatemala – 7 Runs – L-band H-H with STC  
Negative

780419  
RRST Temporary Roll – Channel B (not in consecutive day order)  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 8 Runs – L-band H-H with STC  
Negative

780418  
RRST Temporary Roll – Channel B (not in consecutive day order)  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 5 Runs – L-band H-H with STC  
Negative

780419  
RRST Temporary Roll – Channel B (not in consecutive day order)  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 3 Runs – L-band H-H with STC  
Negative

780418  
RRST Temporary Roll – Channel B (not in consecutive day order)  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 7 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780417  
RRST Temporary Roll – Channel B (not in consecutive day order)  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Guatemala – 5 Runs – L-band H-H with STC  
Negative

780414  
RRST Temporary Roll – Channel B (not in consecutive day order)  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Mirador, Guatemala – 7 Runs – L-band H-H with STC  
Negative

Roll 5  
(1 of 3)

780414  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #1 / Tikal, Guatemala – 13 Runs – L-band H-H with STC  
Negative

780417  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Mirador, Guatemala – 7 Runs – L-band H-H with STC  
Negative

780414  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Guatemala – 5 Runs – L-band H-H with STC  
Negative

780418  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 7 Runs – L-band H-H with STC  
Negative

780418  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 5 Runs – L-band H-H with STC  
Negative

780419  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 3 Runs – L-band H-H with STC  
Negative

780419  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 8 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780420  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #5 / Guatemala / Flores Airstrip, Tikal, Mirador – 8 Runs – L-band H-H with  
STC  
Negative

Roll 5  
(2 of 3)

780414  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #1 / Tikal, Guatemala – 13 Runs – L-band H-H with STC  
Positive

780417  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Mirador, Guatemala – 7 Runs – L-band H-H with STC  
Positive

780414  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Guatemala – 5 Runs – L-band H-H with STC  
Positive

780418  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 7 Runs – L-band H-H with STC  
Positive

780418  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 5 Runs – L-band H-H with STC  
Positive

780419  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 3 Runs – L-band H-H with STC  
Positive

780419  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 8 Runs – L-band H-H with STC  
Positive

780420  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #5 / Guatemala / Flores Airstrip, Tikal, Mirador – 8 Runs – L-band H-H with  
STC  
Positive



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 5  
(3 of 3)

780414  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #1 / Tikal, Guatemala – 13 Runs – L-band H-H with STC  
Positive

780417  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Mirador, Guatemala – 7 Runs – L-band H-H with STC  
Positive

780414  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Guatemala – 5 Runs – L-band H-H with STC  
Positive

780418  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 7 Runs – L-band H-H with STC  
Positive

780418  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 5 Runs – L-band H-H with STC  
Positive

780419  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 3 Runs – L-band H-H with STC  
Positive

780419  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 8 Runs – L-band H-H with STC  
Positive

780420  
Guatemala – Channel B / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #5 / Guatemala / Flores Airstrip, Tikal, Mirador – 8 Runs – L-band H-H with STC  
Positive

Roll 6

780414  
Guatemala – Channel D / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #1 / Tikal, Guatemala – 13 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780417  
Guatemala – Channel D / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Mirador, Guatemala – 7 Runs – L-band H-H with STC  
Negative

780414  
Guatemala – Channel D / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Guatemala – 5 Runs – L-band H-H with STC  
Negative

780418  
Guatemala – Channel D / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 7 Runs – L-band H-H with STC  
Negative

780418  
Guatemala – Channel D / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 5 Runs – L-band H-H with STC  
Negative

780419  
Guatemala – Channel D / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 3 Runs – L-band H-H with STC  
Negative

780419  
Guatemala – Channel D / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 8 Runs – L-band H-H with STC  
Negative

780420  
Guatemala – Channel D / DN / Recorrelated 0612/79  
Guatemala  
Geology 78 / Archeology #5 / Guatemala / Flores Airstrip, Tikal, Mirador – 8 Runs – L-band H-H with STC  
Negative

**BOX F-2  
(18 OF 19)**

**Guatemala for Walter Brown – 1977, 1978, 1980**

Roll 7

780417  
Guatemala – Channel C  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Guatemala – 7 Runs – L-band H-H with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

780417  
Guatemala – Channel C  
Guatemala  
Geology 78 / Archeology #2 / Tikal, Guatemala – 5 Runs – L-band H-H with STC  
Negative

780418  
Guatemala – Channel C  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 7 Runs – L-band H-V with STC  
Negative

780418  
Guatemala – Channel C  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 5 Runs – L-band H-V with STC  
Negative

780419  
Guatemala – Channel C  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 3 Runs – L-band H-V with STC  
Negative

780419  
Guatemala – Channel C  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 8 Runs – L-band H-V with STC  
Negative

780420  
Guatemala – Channel C  
Guatemala  
Geology 78 / Archeology #5 / Guatemala / Flores Airstrip, Tikal, Mirador – 8 Runs – L-band H-V with  
STC  
Negative

Roll 8      780419  
Guatemala – Channel A – Recorrelated 06/13/79  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 3 Runs – L-band H-V with STC  
Negative

780419  
Guatemala – Channel A – Recorrelated 06/13/79  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 8 Runs – L-band H-V with STC  
Negative

780419  
Guatemala – Channel A – Recorrelated 06/13/79  
Guatemala  
Geology 78 / Archeology #5 / Guatemala / Flores Airstrip, Tikal, Mirador – 8 Runs – L-band H-V with  
STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 9  
(1 of 2) 780418  
Guatemala – Channel D  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 5 Runs – L-band H-V with STC  
Negative

780419  
Guatemala – Channel D  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 8 Runs – L-band H-V with STC  
Negative

780419  
Guatemala – Channel D  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 8 Runs – L-band H-V with STC  
Negative

Roll 9  
(2 of 2) 780418  
Guatemala – Channel D  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 5 Runs – L-band H-H with STC  
Positive

780419  
Guatemala – Channel D  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 8 Runs – L-band H-V with STC  
Positive

780419  
Guatemala – Channel D  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego – 8 Runs – L-band H-V with STC  
Positive

Roll 10  
(1 of 2) 780414  
Channel B Annotated – JPL Archeology #1  
Guatemala  
Geology 78 / Archeology #1 / Tikal, Guatemala – 13 Runs – L-band H-H with STC  
Negative

Roll 10  
(2 of 2) 780414  
Channel B Annotated – JPL Archeology #1  
Guatemala  
Geology 78 / Archeology #1 / Tikal, Guatemala – 13 Runs – L-band H-H with STC  
Positive

Roll 11 780418  
Channel B – JPL Archeology #3  
Guatemala  
Geology 78 / Archeology #3 / Guatemala / Lake Isabela – 5 Runs – L-band H-H with STC  
Positive

## Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)

- Roll 12      780419  
Guatemala Miscellaneous  
Guatemala  
Geology 78 / Archeology #4 / Guatemala / Volcano Fuego / Channel B – 8 Runs – L-band H-H with  
STC  
Positive Print
- Roll 13      780420  
Partial – N. Yucatan Coast to Guatemala – End Rio San Pedro Mortir, Guatemala  
Geology 78 / Archeology #5 / Guatemala / Flores Airstrip, Tikal, Mirador – 8 Runs – L-band  
H-H with STC  
Positive Print
- Roll 14      800801  
Guatemala – Special Roll 3 (1981 Correlations) – Geology 1980  
Channel A / OR-1 / Geology 1980 / Guatemala Archeology – 7 Runs – L-band H-V with STC  
Negative
- 800801  
Guatemala – Special Roll 3 (1981 Correlations) – Geology 1980  
Guatemala  
Channel B / OR-1 / Geology 1980 / Guatemala Archeology – 7 Runs– L-band H-V with STC  
Negative
- 800801  
Guatemala – Special Roll 3 (1981 Correlations) – Geology 1980  
Guatemala  
Channel A / OR-2 (Out of Focus) / Geology 1980 / Guatemala Archeology – L-band V-V with STC  
Negative
- 800801  
Guatemala – Special Roll 3 (1981 Correlations) – Geology 1980  
Guatemala  
Channel B / OR-2 (Out of Focus) / Geology 1980 / Guatemala Archeology – L-band H-V with STC  
Negative
- 800801  
Guatemala – Special Roll 3 (1981 Correlations) – Geology 1980  
Guatemala  
Channel A / OR-2 (Out of Focus) – L-band V-V with STC  
Negative
- 800801  
Guatemala – Special Roll 3 (1981 Correlations) – Geology 1980  
Guatemala  
Channel B / OR-2 (Out of Focus) – L-band H-V with STC  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

**BOX G-1  
(19 of 19)**

**Extra Data (780520) / Winter 1979 / JSC X-band 1979-1981**

- Roll 1      780520  
Extra Data Channel D  
JPL Geology – Pasadena / Santa Barbara -- 13 Runs  
No Run IDs – L-band H-V with STC  
Negative
- Roll 2      790306-790307  
Winter 79 Channel A  
JPL / Santa Barbara / Helendale – 7 Runs / Los Angeles – 14 Runs  
No Run IDs – L-band H-V with STC  
Negative
- Roll 3      790306-790307  
Winter 79 Channel B  
JPL / Santa Barbara / Helendale – 7 Runs / Los Angeles – 14 Runs  
No Run IDs – L-band H-H with STC  
Negative
- Roll 4      790306-790306  
Winter 79 Channel C  
JPL / Santa Barbara / Helendale – 7 Runs  
No Run IDs – L-band H-H with STC  
Negative
- Roll 5      790306-790306  
Winter 79 Channel D  
JPL / Santa Barbara / Helendale – 7 Runs  
No Run IDs – L-band H-H with STC  
Negative
- Roll 6      790426-790426  
JSC X-band  
Site No. 265 – Mississippi Delta  
Project 0A-0627 / Data Flight No. 2 / Roll No. 601 / Mission 400 / No Run IDs  
Negative
- Roll 7      790426-790426  
JSC X-band  
Site No. 265 – Mississippi Delta  
Flight No. 3 / Project 0A-0627 / Data Flight No. 3 / Roll No. 602 / Mission 400 / No Run IDs  
Negative
- Roll 8      790427  
JSC X-band Positive  
Site No. 212 – Cayanosa, Texas  
Flight No. 4 / Project 0A-0653R1 / Data Flight No. 18 / Mission 400 / No Run IDs  
Negative
- Roll 9      790502  
JSC X-band  
Site No. 030 – Tucson, Arizona  
Flight No. 7 / Project 0A-0627 / Data Flight No. 1 / Roll No. 604 / Mission 400 / No Run IDs  
Negative

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 10      790525  
JSC X-band  
Site No. 129 – Arkansas Basin  
Flight No. 8 / Project 0A-0627 / Data Flight No. 4 / Roll No. 601 / Mission 402 / Aircraft 926  
No Run IDs  
Negative

Roll 11      790529  
JSC X-band  
Site No. 129 – Arkansas  
Project 0A-0627 / Data Flight No. 4 & 5 / Roll No. 602 / Mission 402 / Aircraft 926  
X-band H-H and H-V / Some Run IDs  
Negative

Roll 12      790623  
JSC X-band  
Site No. 129 – Arkansas Basin  
Project 0A-0627 / Data Flight FCF No. 2 / Roll No. 602 / Mission 404 / Aircraft 926  
8 Runs – X-band H-H and H-V / Some Run IDs

Roll 13      790627  
JSC X-band  
Site No. 399  
Flight No. 11 / Mission 404 / Roll 604 / Aircraft 926 – H-H and H-V / No Run IDs  
Positive

790901  
JSC X-band  
Site No. 285  
Flight No. 7 / Data Flight No. 20 / Mission 408 / Project 0A-0653R1 / Roll 607 / Aircraft 926  
Patrick Draw – H-H, V-H, H-V, and V-V / No Run IDs  
Positive

790906  
JSC X-band  
Site No. 379 – San Rafael  
Flight No. 14 / Data Flight No. 11 & 13 / Mission 408 / Project 0A-0627 / Roll 614 / Aircraft 926 – H-H  
and H-V / No Run IDs  
Positive

790907  
JSC X-band  
Site No. 379 – San Rafael  
Flight No. 16 / Data Flight No. 11, 12, & 13 / Mission 408 / Project 0A-0627 / Roll 616 / Aircraft 926 – H-  
H and H-V / No Run IDs  
Positive

790907  
JSC X-band  
Site No. 379 – San Rafael  
Flight No. 17 / Data Flight No. 12 & 13 / Mission 408 / Project 0A-0627 / Roll 616 / Aircraft 926 – H-H  
and H-V / No Run IDs  
Positive

**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

Roll 14            790628  
JSC X-band  
Site No. 177 – TVA: Tennessee / Kentucky  
Project 0A-0627 / Data Flight No. 7 / Mission 404 / Roll No. 605 / Aircraft 926  
8 Runs – X-band H-H and H-V / Some Run IDs  
Positive

Roll 15  
(1 of 4)            800707  
JSC X-band  
Site No. 067 – Mount Saint Helens  
Project M-0058 / Data Flight 1 / Mission 424 / Modes 1&2  
V-V, H-V, V-H, H-H / Some Run IDs  
Negative

Roll 15  
(2 of 4)            800707  
JSC X-band  
Site No. 067 – Mount Saint Helens  
Project M-0058 / Data Flight 1 / Mission 424 / Modes 1&2  
V-V, H-V, V-H, H-H / Some Run IDs  
Negative

Roll 15  
(3 of 4)            800707  
JSC X-band  
Site No. 067 – Mount Saint Helens  
Project M-0058 / Data Flight 1 / Mission 424 / Modes 1&2  
V-V, H-V, V-H, H-H / Some Run IDs  
Positive

Roll 15  
(4 of 4)            800707  
JSC X-band  
Site No. 067 – Mount Saint Helens  
Project M-0058 / Data Flight 1 / Mission 424 / Modes 1&2  
V-V, H-V, V-H, H-H / Some Run IDs  
Positive

Roll 16            800707  
St. Helens X-band  
Site No. 067 – Mount Saint Helens  
Mission 424 / Modes 1 & 2 – V-V, H-V, V-H, H-H / Some Run IDs  
Positive

Roll 17            810724  
JSC X-band  
Site No. 063 – Newberry, OR / Mt. St. Helens, Washington  
Flight No. 8 / Project 0787R1 / Data Flight No. 14 / Mission 446 / Roll No. 604  
Negative

                      810725  
JSC X-band  
Site No. 062 & 063 – Medicine Lake + Cinder Cone, California / Newberry, OR  
Flight No. 9 / Project 0787R1 / Data Flight No. 13 & 14 / Mission 446 / Roll No. 605  
Negative



**Appendix B – Details of the Aircraft SAR Data Collection, 1976–1985 (JPL Archives)**

810726  
JSC X-band  
Site No. 033 – Craters of the Moon, Idaho  
Flight No. 10 / Project 0787R1 / Data Flight No. 15 / Mission 446 / Roll No. 606  
Negative

Roll 18      800911  
JSC X-band  
Site No. 254 – California Coastal Area  
Data Flight No. 6 / Project 0A-0787 / Mission 429 / Roll 604-A / Aircraft 926 / Kel-Baker / Algodones and  
Mohawk Dunes / H-H and H-V  
Positive

Roll 19      800911  
JSC X-band  
Site No. 130 – Southern California  
Data Flight No. 7 / Project 0A-0836 / Mission 429 / Roll 604-B / Kelso Dunes, Amboy, Bristol Lake, Cadiz  
Dunes, Pisuah [?]  
Positive

Roll 20      810319  
JSC X-band  
Site No. 029 & 027 – Algodones and Mohawk Dunes  
Data Flight No. 12 / Project 0A-0787R1 / Mission 438 / Roll 605 / Aircraft 926 / H-H and H-V  
Positive

Roll 21      810319  
JSC X-band  
Site No. 029 & 027 – Algodones and Mohawk Dunes  
Data Flight No. 12 / Project 0A-0787R1 / Mission 438 / Roll 605 / Aircraft 926 / H-H and H-V  
Positive

Roll 22      810825  
JSC X-band  
Site No. 254 – Algodones Dunes, California  
Data Flight No. 12 / Flight No. 12 / Project 0A-0787R1 / Mission 447 / Roll 605

810826  
JSC X-band  
Site No. 254 – Mohawk Dunes, Arizona  
Data Flight No. 12 / Flight No. 13 / Project 0A-0787R1 / Mission 446 / Roll 606

810827  
JSC X-band  
Site No. 033 & 285 – Craters of the Moon, Idaho & Patrick Draw, Wyoming  
Data Flight No. 15 / Flight No. 14 / Project 0A-0787R1 / Mission 447 / Roll 607

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**13. SUPPLEMENTARY NOTES**  
This Report was generated to describe optically processed Aircraft SAR data that was collected by Ron Blom, recently retired JPL geologist, that was transferred to the JPL Archives in the 2<sup>nd</sup> half of 2015.

**14. ABSTRACT**  
This report describes archived data from the Jet Propulsion Laboratory (JPL) aircraft radar expeditions in the early 1970s through the 1980s collected by Ron Blom, JPL Radar Geologist. The dataset was collected during Ron's career at JPL from the 1970s through 2015. Synthetic Aperture Radar (SAR) data in the 1970s and 1980s were recorded optically on long strips of film. SAR imagery was produced via an optical, holographic technique that resulted in long strips of film imagery.

**15. SUBJECT TERMS**  
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<b>16. SECURITY CLASSIFICATION OF:</b>			<b>17. LIMITATION OF ABSTRACT</b> None	<b>18. NUMBER OF PAGES</b> 129	<b>19a. NAME OF RESPONSIBLE PERSON</b> HQ-STI-INFODESK at <a href="mailto:hq-sti-infodesk@mail.nasa.gov">hq-sti-infodesk@mail.nasa.gov</a>
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