

**DATA ANNOUNCEMENT BULLETIN**

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NATIONAL SPACE SCIENCE DATA CENTER

Code 601

Goddard Space Flight Center • Greenbelt, Maryland 20771

N74-19795

Unclas  
29045

G3/07

CSCL 09F

(NASA-TM-X-69982) STATUS OF AVAILABILITY  
OF MARINER 9 (1971-051A) TV PICTURE DATA  
Data Announcement Bulletin (NASA) 17 p  
HC \$4.00

STATUS OF AVAILABILITY OF  
MARINER 9 (1971-051A) TV PICTURE DATA  
Supplement No. 1 to NSSDC 73-03

March 1974

INTRODUCTION

The purposes of this Data Announcement Bulletin are to describe changes in the availability of Mariner 9 TV picture data since the issue of the original Announcement Bulletin (NSSDC 73-03), and to explain the procedures for ordering these data. Unless otherwise specified, the availability status of the various products is as described in NSSDC 73-03. Also, please refer to NSSDC 73-03 for details concerning picture formats and available sizes and for ordering information concerning specific sets of data described in that document. A summary of the status of Mariner 9 picture and supporting data availability is located on page 10 of this Data Announcement Bulletin.

IMAGE PROCESSING LABORATORY/REDUCED DATA RECORD (IPL/RDR) PICTURES

The National Space Science Data Center (NSSDC) has recently received all of the IPL/RDR pictures from the Jet Propulsion Laboratory (JPL) and can fill requests for these pictures. However, until an inventory has been compiled and the pictures have been properly organized, NSSDC cannot guarantee immediate response to requests.

NOTE: Requesters should indicate their desired receipt date for pictures on the accompanying order form. If that date cannot be met, NSSDC will acknowledge receipt of the request and identify an approximate date for shipping the pictures. Should there be more than one IPL roll and processing time for a given Data Automation Subsystem (DAS) time on the Mariner 9 TV picture data indexes,

please provide all roll and processing times for that picture version, and NSSDC will provide the best available print.

#### A USER'S GUIDE TO THE MARINER 9 TELEVISION REDUCED DATA RECORD (JPL Technical Memorandum 33-628)

This guide describes the reduced data record (RDR) data, including picture identification, numerical data, picture data, picture label information, microfiche, data tapes, data processing algorithms, and picture processing documentation, including the particulars of the IPL enhancement catalog, and limb profile plots. The guide is available on microfiche or hardcopy.

#### SUPPLEMENTARY EXPERIMENT DATA RECORDS (SEDR)

These data, which are routinely supplied with each initial request for photographic data, contain the most accurate information in respect to latitude, longitude, picture number, and other related data. The information contained in the data blocks of the Mission Test Video System (MTVS) and IPL photographs has been superseded by the SEDR. These data are furnished as one reel of 16-mm microfilm.

#### MOSAICS

##### JPL Mosaics

JPL has prepared 96 mosaic boards of selected areas of the Martian terrain. These photographic mosaics, grouped according to specific geographical areas, have been received at NSSDC in the form of 4- by 5-in. film negatives. From these negatives, NSSDC will service requests for contact film duplicates (positive or negative) or enlarged paper prints.

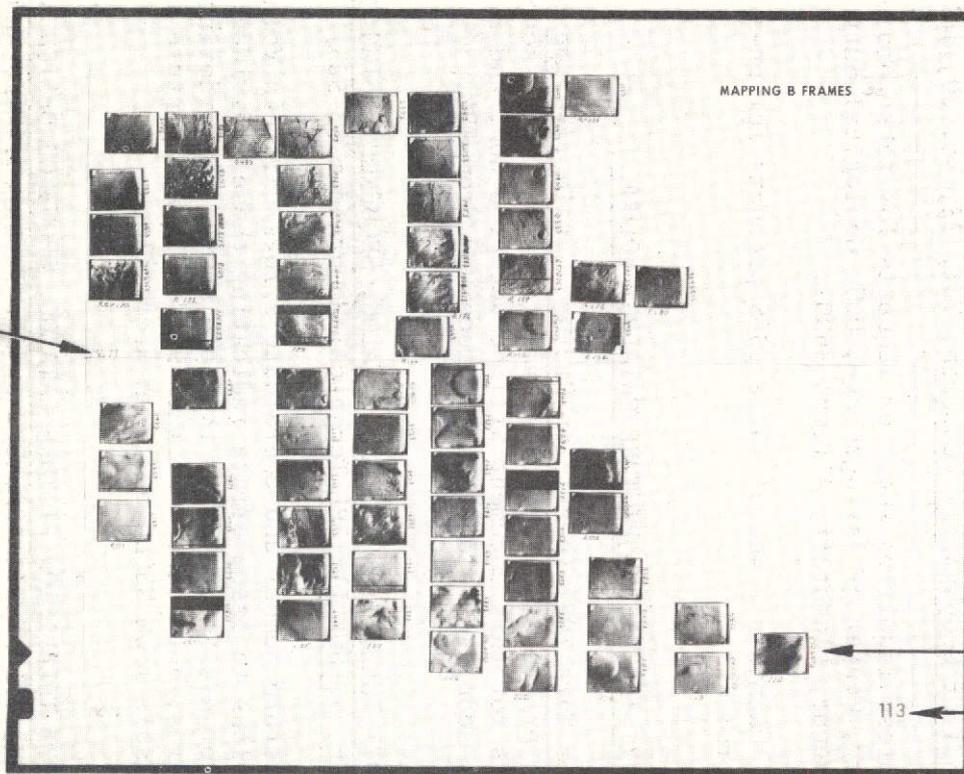
NSSDC has prepared a catalog containing reproductions of each of the 96 mosaics. The catalog is available as microfiche; it is also available with listings on one roll of 16-mm microfilm. This Mariner 9 JPL mosaic catalog comes with two listings that identify the specific pictures included in each mosaic in the catalog. The listings are identical in content, one ordered by mosaic number and one ordered by DAS time. The mosaic catalog enables users to identify those mosaics for which they need higher quality reproductions. Figure 1 is a sample of JPL mosaics.

##### U.S. Geological Survey (USGS) Mosaics

Three types of mosaic and map products are being prepared by the USGS Center of Astrogeology, Flagstaff, Arizona. These three products

3

QUADRANGLE  
NUMBER



DAS TIME  
MOSAIC NUMBER

Figure 1. Sample of JPL Mosaics

Note: All figures in this Bulletin are printed at their actual size.

are being prepared in the following order:

- . Semicontrolled quadrangle mosaics
- . Controlled photo mosaics
- . Precisely controlled, shaded relief maps.

Detailed descriptions of these products are contained in an article written by R. M. Batson: "Cartographic Products from the Mariner 9 Mission," Journal of Geophysical Research, Vol. 28, No. 20, July 10, 1973.

Please address inquiries about or requests for these products to the Data Library, Center of Astrogeology, U.S. Geological Survey, 601 E. Cedar Avenue, Flagstaff, Arizona 86001.

NSSDC will maintain a set of these USGS products for on-site use by requesters.

#### MARINER MARS 1971 TELEVISION PICTURE CATALOG, VOLUME I

The Mariner Mars 1971 Television Picture Catalog, Volume I, will be available as printed copy and on 16-mm microfilm in the second quarter of 1974. Orders for this document will be accepted now, and distribution will be made as soon as the document is received from JPL.

#### MARINER MARS 1971 TELEVISION PICTURE CATALOG, SEQUENCE DESIGN AND PICTURE COVERAGE, VOLUME II (JPL Technical Memorandum 33-585)

Several picture number and coordinate errors exist in Volume II. JPL no longer plans to issue errata indicating these individual errors. Therefore, do not use Volume II as the sole source for ordering and analyzing pictures, but consult Mariner 9 TV SEDR and picture indexes, which are available from NSSDC on 16-mm microfilm.

#### MARINER MARS 1971 TELEVISION PICTURE CATALOG, SEQUENCE DESIGN AND PICTURE COVERAGE, VOLUME II, ADDENDUM 1 (JPL Technical Memorandum 33-585)

This document is now available from NSSDC as printed copy or on 16-mm microfilm. The document contains data for the Mariner 9 TV pictures taken during the extended mission (after orbit 262). It also includes a discussion of the new provisional mapping pole, and tables which provide the latitude and longitude with respect to the new pole, prime meridian, and rotation rates for the center points of all the Mariner 9 TV pictures. Errors in Volume II that were known at the time of publication (July 1973) have been corrected.

## MM71 IPL/RDR MICROFICHE CATALOG

This microfiche catalog consists of 251 cards of 105- by 148-mm microfiche that contain all of the IPL/RDR picture data available on 70-mm film except for the rectified and scaled versions. These pictures are sequenced by roll and process time and are shown separately with a data block. Supporting data summaries ordered by RDR roll and process time, and by SEDR DAS time, appear at the end of the data. The microfiche can be ordered as a complete catalog or by individual cards (by roll and process time obtainable from the indexes) to enable the requester to select the IPL picture best suited for his study. Figure 2 is a sample of an IPL/RDR microfiche card.

## MARINER 9 TELEVISION PICTURES: MICROFICHE LIBRARY USER'S GUIDE, MTC/MTVS REAL-TIME PICTURES (JPL Technical Memorandum 33-595)

This user's guide describes the content and organization of the Mariner 9 Mission Test Computer/Mission Test Video System (MTC/MTVS) microfiche library. The purpose of this document is to assist recipients of the Mariner 9 MTC/MTVS microfiche library in making efficient use of large amounts of data that are found in the library. This guide should also prove useful to researchers using the MTC/MTVS pictures or microfilm catalog. This document is available as hardcopy or microfiche.

## MM71 MTC/MTVS AND IPL/RDR CATALOGS ON MICROFILM

The MTC/MTVS catalog is available on 20 reels of 16-mm microfilm. Each of the 20 reels contains approximately 15 MTVS 70-mm rolls. Each reel is labeled as to the inclusive MTVS roll numbers. The data are arranged by ascending roll and file numbers, which correspond to ascending DAS times, starting with roll and file number 4000-001 and continuing to the end of the mission. All versions of a given DAS time are adjacent to each other on the microfilm rolls. When interested in other than the complete microfilm catalog, specify the series of MTVS roll and file number(s) desired, and the proper microfilm reel(s) will be provided.

The IPL/RDR catalog on microfilm is not available, and there are no plans to produce it at this time. Figure 3 is a sample of the MTC/MTVS microfilm.

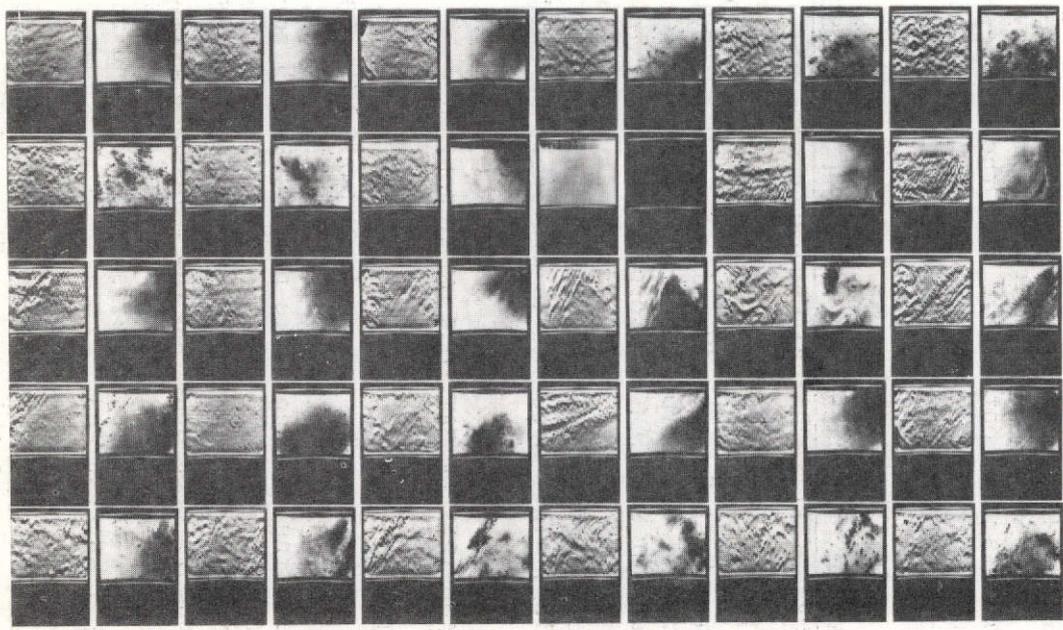
## MARINER 9 CALTECH MICROFICHE CATALOG

This microfiche catalog of selected pictures from Mariner 9 was prepared by personnel of the Division of Geological and Planetary

SEQUENTIAL CARD NUMBER →  
1057

MM-71 IPL/ RDR

DATA BLOCK →



↙ ↘  
DAS TIME 09, 017, 234

Figure 2. Sample of IPL/RDR Microfiche

Sciences at the California Institute of Technology and contains both MTVS and IPL data on 462 microfiche cards. The photographs are generally the contrast-enhanced (albedo-stretched) and the max discrimination (high-pass filtered) versions of the original imagery. Included with the photographs are gray scales, quadrangle maps, and supporting data for the imagery that appears on each microfiche card. A microfiche card with a complete description of all data will soon be made available to NSSDC by Caltech.

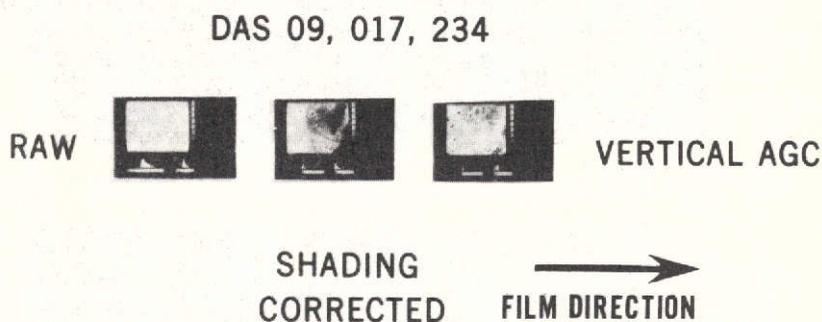


Figure 3. Sample Strip of MTC/MTVS Microfilm

#### MM71 LIMB PICTURE CATALOG ON MICROFICHE

This set of 166 microfiche contains those photographs taken of the limb of Mars, compiled from the original 70-mm photography.

In addition to the photographic imagery, there are plots of limb profiles, supporting data blocks for the photographs, and supporting data for the plots. Further descriptive information is contained in A User's Guide to the Mariner 9 Television Reduced Data Record, JPL Technical Memorandum 33-628. These data are proprietary and cannot be released until July 1, 1974. Figure 4 is a sample of the limb microfiche catalog.

An index of the frames contained in the MM71 Limb Picture Catalog on Microfiche is available on 16 microfiche cards, which are ordered by DAS time. Figure 5 is a sample of a limb picture microfiche index.



MARINER 9 LIMB PICTURE  
MICROFICHE CATALOGUE

CAS TIME	FICF CARE-FCB	CAP IC	REV NO.	EXPOSURE (PSEC)	CAP A FILTER	LEFT LAMB LAT	LEFT LAMB LON	EXTREME SLA	EXTREME PHA	RIGHT LAMB LAT	RIGHT LAMB LON	EXTREME SLA	EXTREME PHA	RANGE TO LAMB	RET-5 PHA
2.173.61C	C75-C4	1	16	48	8	-13.59	105.81	32.02	66.52	-23.76	88.91	48.15	60.85	006162	62.29
2.205.53C	C52-C4	1	17	56	8	52.49	345.51	88.35	63.09	53.72	11.41	99.95	59.02	012843	63.04
2.205.67C	C80-C1	1	17	56	8	-68.51	257.74	52.07	71.55	-43.14	93.11	111.88	54.54	012653	63.32
2.207.70C	C21-C4	1	17	96	8	22.26	35.56	102.16	42.05	38.75	45.78	106.22	39.51	005523	43.26
2.241.44C	C21-C5	1	18	56	8	-77.44	58.77	60.66	70.35	-75.28	251.99	82.96	64.36	012806	65.07
2.241.58C	C22-C1	1	18	56	8	50.72	158.65	64.11	63.23	51.43	154.20	103.30	57.45	012619	62.13
2.241.86C	C22-C2	1	18	24	2	-78.88	35.22	65.28	67.44	-60.78	280.12	56.96	57.75	012225	61.55
2.243.12C	C22-C3	1	18	24	2	-35.03	67.50	25.46	70.61	-64.57	55.21	58.66	63.64	010301	62.40
2.245.50C	C31-C2	1	18	48	8	-15.17	50.65	37.02	66.37	-24.88	71.56	52.61	55.32	005523	62.40
2.277.42C	C47-C5	1	19	56	8	52.86	346.35	51.75	61.75	52.92	355.25	98.50	59.73	012671	63.02
2.277.56C	C48-C1	1	19	56	8	-70.12	244.25	54.10	71.53	-42.47	83.54	111.55	54.72	012478	63.02
2.213.33C	C48-C2	1	20	56	8	-74.98	52.46	58.60	71.28	-70.42	278.29	87.93	63.15	012627	65.13
2.213.47C	C48-C3	1	20	56	8	50.70	154.61	88.87	62.78	50.65	182.69	102.21	58.00	012434	62.16
2.213.75C	C48-C4	1	20	24	2	-76.94	35.44	63.57	68.23	-54.59	266.75	102.78	56.06	012038	61.61
2.215.01C	C48-C5	1	20	24	2	-37.38	75.28	31.62	70.73	-68.29	38.32	61.89	62.80	010086	62.36
2.211.35C	C49-C1	1	20	24	2	-16.30	75.51	41.24	65.71	-24.99	57.24	56.23	58.05	005867	62.36
2.245.45C	C49-C2	1	21	56	8	-65.67	232.55	54.45	71.67	-44.53	74.97	111.46	54.88	012293	62.55
2.245.52C	C49-C3	1	21	56	8	-80.62	140.38	75.15	65.83	-75.03	106.57	83.12	63.43	012194	61.89
2.285.71C	C49-C4	1	22	24	2	-72.63	35.35	55.85	69.16	-48.45	254.13	108.40	53.66	011741	61.73
2.286.57C	NO ON FILM	1	22	24	2	-35.64	62.12	35.04	70.08	-66.32	22.76	64.25	61.66	009744	62.27
2.289.35C	C53-C5	1	22	48	8	-17.14	56.96	45.06	63.63	-21.85	45.75	58.25	58.16	005273	62.27
2.421.34C	C49-C5	1	23	56	8	-72.35	216.17	57.62	71.14	-46.40	66.47	110.22	55.27	012107	62.56
2.421.41C	C50-C1	1	23	56	8	-80.46	140.84	74.11	66.30	-72.76	55.51	64.53	63.11	012004	62.07
2.422.67C	C50-C2	1	23	24	2	-67.65	107.35	50.08	53.05	-24.70	62.82	118.21	40.54	010049	45.13
2.456.725	C11-C2	0	24	3	2	49.79	120.28	80.52	67.47	51.52	128.30	85.96	66.03	012796	66.58
2.456.745	C54-C1	0	24	3	4	47.23	115.07	76.64	68.35	45.82	122.38	81.69	66.52	012701	67.47
2.457.466	C54-C2	1	24	56	8	25.69	54.14	48.51	72.62	47.60	152.00	54.10	59.43	011760	64.19
2.451.67C	C54-C3	1	24	48	8	-56.79	45.96	43.85	72.90	-20.52	67.07	13.33	77.33	011447	70.04
2.457.74C	C80-C2	1	24	48	8	-26.60	84.08	16.68	76.62	24.45	55.85	47.83	71.74	011341	73.45
2.456.62C	C11-C3	1	24	24	2	27.64	103.04	52.67	65.36	41.59	157.64	53.40	56.01	010508	61.38
2.456.30C	C11-C4	1	24	12	2	-8.28	74.42	16.22	75.04	17.16	54.23	39.70	71.35	010462	65.20
2.461.03C	C11-C5	1	24	24	2	-56.09	305.05	95.15	16.21	-57.05	254.64	100.28	13.51	005432	21.34
2.493.37C	C12-C1	1	25	48	2	25.13	268.65	46.28	72.51	47.39	226.01	93.54	59.73	011721	64.41
2.453.58C	C12-C2	1	25	24	2	-58.69	218.75	45.52	72.55	-22.03	240.70	14.25	77.41	011407	65.85
2.493.65C	C12-C3	1	25	24	2	-26.35	235.02	16.64	76.55	15.60	266.33	42.02	73.16	011300	73.54
2.456.54C	C12-C4	1	25	24	2	-57.22	167.60	100.45	12.72	-57.67	56.81	100.55	11.24	005381	18.43
2.497.01C	C13-C3	1	25	24	4	-57.22	108.36	100.40	11.51	-57.65	102.05	100.59	10.85	005246	18.53
2.497.08C	C13-C4	1	25	24	14	-56.83	112.31	100.21	10.57	-57.38	108.03	100.34	10.53	005112	18.24
2.528.405	001-C1	0	26	3	2	-12.25	58.97	10.85	81.41	-7.84	60.50	14.19	81.22	012517	81.04
2.528.475	001-C2	0	26	3	4	-11.77	55.25	11.30	81.11	-7.38	60.86	14.62	80.57	012823	81.04

Figure 5. Sample of Limb Picture Microfiche Index

SUMMARY OF STATUS OF MARINER 9 TV DATA PRODUCTS

Product	Availability
. MTVS Picture Data (raw pictures and shading corrected, high-pass filtered, and vertical AGC enhancements)	NSSDC can respond to requests if DAS time, roll and file numbers, and version desired are submitted by requester.
. IPL Picture Data (RDR versions are contrast enhanced, high-pass filtered, and rectified and scaled)	NSSDC has received all IPL picture data. Due to the volume of data being processed and the nonsequential manner in which they were received, NSSDC cannot give immediate response to requests at this time. However, requests will be filled as soon as possible.
. Indexes to Mariner 9 TV Picture Data	NSSDC can respond to requests for one 16-mm reel of microfilm containing the indexes by latitude center point, longitude center point, and comments (description of area) and one 16-mm reel of microfilm containing the indexes by DAS time, MTVS roll and file number, and IPL roll and processing time.
. SEDR (Supplementary Experiment Data Records)	NSSDC will supply the complete record on one 16-mm reel of microfilm with each initial request for picture data.
. JPL Mosaics	NSSDC can respond to requests for JPL mosaics. A picture catalog containing reproductions of 96 mosaics is available on both microfiche and one 16-mm reel of microfilm. Two listings come with the catalog, one ordered by mosaic number and one ordered by DAS time.
. USGS Mosaics	The USGS is preparing three types of mosaics and map products: semicontrolled quadrangle mosaics, controlled photo mosaics, and precisely controlled, shaded relief maps. NSSDC will maintain a set of these data for on-site use by requesters. Requests for these data should be directed to the Data Library, Center for Astrogeology, U.S. Geological Survey, 601 E. Cedar Avenue, Flagstaff, Arizona 86001.
. Mariner Mars 1971 Television Picture Catalog, Volume I	The document is expected to be available during the second quarter of 1974.
. Mariner Mars 1971 Television Picture Catalog, Sequence Design and Picture Coverage, Volume II and its Addendum 1	The document is currently available.
. MM71 MTC/MTVS Catalog	The complete picture catalog on microfiche is currently available.
. MM71 IPL/RDR Catalog	NSSDC has received the complete set of microfiche and can respond to requests.
. MM71 MTC/MTVS and IPL/RDR Catalogs	The MTC/MTVS picture catalog on 16-mm microfilm is available. Currently, there are no plans to produce the IPL/RDR picture catalog on 16-mm microfilm.
. Mariner 9 Caltech Microfiche Catalog	This catalog, containing selected versions of most pictures, is currently available.
. MM71 Limb Picture Catalog	The microfiche catalog and an index to the pictures in the catalog have been acquired. However, the data are considered proprietary, and NSSDC cannot respond to requests until July 1, 1974.
. A User's Guide to the Mariner 9 Television Reduced Data Record	The document is available in microfiche or paper copies.
. Mariner 9 Television Pictures: Microfiche Library User's Guide, MTC/MTVS Real-Time Pictures	The document is available in microfiche or paper copies.

## ORDERING PROCEDURES

When planning to order Mariner 9 pictures from NSSDC, the requester will find the latitude, longitude, and comments indexes and Volume II of the Mariner Mars 1971 Television Picture Catalog most useful. The user may want to order microfiche copies of the pictures before making a final selection of picture data required.

NOTE: Indicate the MTVS roll and file numbers or the IPL roll and processing time for each picture requested. Also include the DAS time and version desired.

The Mariner 9 TV data order form enclosed with this Data Announcement Bulletin is provided for the requester's convenience. All parts of the form must be completed to ensure satisfactory request fulfillment. All required items should be identified in a single order to expedite the processing of the request. A copy of the "Charge and Service Policy" for dissemination of data from the National Space Science Data Center is included for the requester's guidance.

NSSDC requires knowledge of the scientific use to which the data provided are being put. Therefore, include a statement to this effect in each request. NSSDC would also appreciate receiving copies of all publications resulting from studies in which data supplied by NSSDC have been used. It is further requested that NSSDC be acknowledged as the source of the data in all publications resulting from use of the data provided.

Requesters may view the Mariner 9 pictures at NSSDC. Inquiries about or requests for pictures from U.S. scientists should be addressed to:

National Space Science Data Center  
Code 601.4  
Goddard Space Flight Center  
Greenbelt, Maryland 20771

Telephone: (301) 982-6695

Requests from researchers outside the U.S.A. should be directed to:

World Data Center A for Rockets and Satellites  
Code 601  
Goddard Space Flight Center  
Greenbelt, Maryland 20771  
U.S.A.

## NATIONAL SPACE SCIENCE DATA CENTER

### Charge and Service Policy

The purpose of the National Space Science Data Center (NSSDC) is to provide data and information from space science flight experiments in support of additional studies beyond those performed by the principal investigators. Therefore, NSSDC will provide data and information upon request to any individual or organization resident in the United States. In addition, the same services are available to scientists outside the United States through the World Data Center A (WDC-A) for Rockets and Satellites. Normally, a charge is made for the requested data to cover the cost of reproduction and the processing of the request. The requester will be notified of the cost, and payment must be received prior to processing the request. However, the Director of NSSDC may waive, as resources permit, the charge for modest amounts of data when they are to be used for scientific studies or for specific educational purposes and when they are requested by an individual affiliated with:

- . NASA installations, NASA contractors, or NASA grantees
- . Other U.S. Government agencies, their contractors, or their grantees
- . Universities or colleges
- . State and local governments
- . Nonprofit organizations

## MARINER 9 TV DATA PRICE LIST

### PICTURE INDEXES

One 16-mm Microfilm Reel (containing three indexes sorted by latitude, longitude, and comments (description of area)) .....	\$ 4.15
One 16-mm Microfilm Reel (containing three indexes sorted by MTVS roll and file number, DAS time and revolution, and IPL roll and processing time) .....	4.15
Index to the MM71 Limb Picture Catalog (on microfiche) .....	4.00

### PICTURE CATALOGS

Mariner Mars 1971 Television Picture Catalog, Vol. 1 (available 2nd Qtr. 1974)	
Printed Copy .....	\$ 10.00
16-mm Microfilm Reel Copy .....	4.15
Mariner Mars 1971 Television Picture Catalog, Sequence Design and Picture Coverage, Vol. II, and Addendum 1	
Printed Copy .....	10.00
16-mm Microfilm Reel Copy .....	4.15
Complete MM71 MTC/MTVS Catalog (on microfiche) .....	180.00
Complete MM71 IPL/RDR Catalog (on microfiche) .....	120.00
MM71 MTC/MTVS Catalog (on 16-mm microfilm reels)	
Complete Set .....	97.00
Individual Reels .....	4.85
Complete Caltech Catalog (on microfiche) .....	115.50
Complete Limb Catalog (on microfiche) .....	41.50
Complete JPL Mosaic Catalog and Listings (on microfilm) .....	4.85

### TYPICAL PER ITEM COSTS

FORM	SIZE	COST
PRINTS	8 x 10 in.	\$0.70
	11 x 14 in.	0.75
	16 x 20 in.	2.00
	20 x 24 in.	3.00

FORM	SIZE	COST
FILM DUPLICATES	4 x 5 in.	\$0.70
	5 x 7 in.	0.90
MICROFICHE	4 x 6 in.	0.25
SLIDES	2 x 2 in.	0.90
	3.25 x 4 in.	1.75

PRICES FOR REPRODUCTION SERVICES OTHER THAN THOSE LISTED WILL BE QUOTED UPON REQUEST. ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE. PLEASE NOTE THAT THE NOMINAL SIZE FOR THE PICTURE DATA IS THE 8- x 10-INCH ENLARGEMENT.

# MARINER 9 ORDER FORM

Scientists OUTSIDE the United States send order to: WORLD DATA CENTER A ROCKETS AND SATELLITES CODE 601 GODDARD SPACE FLIGHT CENTER GREENBELT, MARYLAND 20771 U.S.A.	Scientists WITHIN the United States send order to: NATIONAL SPACE SCIENCE DATA CENTER CODE 601.4 GODDARD SPACE FLIGHT CENTER GREENBELT, MARYLAND 20771
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**REQUESTER INFORMATION (Please print)**

NAME AND TITLE		POSITION	
DIVISION/BRANCH			MAIL CODE
ORGANIZATION			
ADDRESS			
CITY		STATE	
ZIP CODE OR COUNTRY		TELEPHONE (Area Code) (Number) (Extension)	
DATE OF REQUEST	DATE DATA DESIRED	(Our average processing time for a request is 3 to 4 weeks after receipt of request. Please allow ample time for delivery. We will notify you if we cannot meet the date specified.)	

**INTENDED USE OF PHOTOGRAPHS (check all that apply)<sup>1</sup>**

<input type="checkbox"/> Support of a NASA effort (project, study, etc.); Contract No. _____	
<input type="checkbox"/> Support of a U.S. Government effort (other than NASA)	
<input type="checkbox"/> Research and analysis project (individual or company sponsored)	
<input type="checkbox"/> Educational purposes (explain below)	<input type="checkbox"/> Exhibit or display
<input type="checkbox"/> Preparation of Master's thesis	<input type="checkbox"/> Reference material
<input type="checkbox"/> Preparation of Doctoral thesis	<input type="checkbox"/> Use in publication
<input type="checkbox"/> Other:	
_____ _____ Please state briefly the research project(s) in which you are engaged and if you plan to prepare any articles for publication. If so, please acknowledge NSSDC as the source of the photographs and send us a copy of your publication for our record. _____ _____ _____	

**NSSDC CHARGE AND SERVICE POLICY**

The purpose of the National Space Science Data Center (NSSDC) is to provide data and information from space science flight experiments in support of additional studies beyond those performed by the principal investigators. Therefore, NSSDC will provide data and information upon request to any individual or organization resident in the United States. In addition, the same services are available to scientists outside the United States through the World Data Center A (WDC-A) for Rockets and Satellites. (The addresses for both NSSDC and WDC-A are given above.) Normally, a charge is made for the requested data to cover the cost of reproduction and the processing of the request. The requester will be notified of the cost, and payment must be received prior to processing the request. However, the Director of NSSDC may waive, as resources permit, the charge for modest amounts of data when they are to be used for scientific studies or for specific educational purposes and when they are requested by an individual affiliated with: (1) NASA installations, NASA contractors, or NASA grantees; (2) other U.S. Government agencies, their contractors, or their grantees; (3) universities or colleges; (4) state and local governments; and (5) nonprofit organizations.
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DATA REQUESTED

VERSIONS AVAILABLE

PICTURE INDEXES (16-MM MICROFILM REELS)	PICTURE CATALOGS	MTVS	IPL
<input type="checkbox"/> INDEXES SORTED BY: . LATITUDE CENTER POINT . LONGITUDE CENTER POINT . COMMENTS*** <input type="checkbox"/> INDEXES SORTED BY: . MTVS ROLL AND FILE NUMBER . DAS TIME AND REVOLUTION . IPL ROLL AND PROCESSING TIME <input type="checkbox"/> JPL MOSAIC INDEX <input type="checkbox"/> LIMB INDEX ON MICROFICHE	MARINER MARS 1971 TELEVISION PICTURE CATALOG VOL. I (AVAILABLE 2nd QTR 1974) <input type="checkbox"/> PRINTED COPY <input type="checkbox"/> 16-MM MICROFILM REEL COPY MARINER MARS 1971 TELEVISION PICTURE CATALOG, SEQUENCE DESIGN AND PICTURE COVERAGE, VOL. II, JPL TECH MEMO 33-585 AND ADDENDUM 1 <input type="checkbox"/> PRINTED COPY <input type="checkbox"/> 16-MM MICROFILM REEL COPY <input type="checkbox"/> COMPLETE MM71 MTC/MTVS CATALOG ON MICROFICHE <input type="checkbox"/> COMPLETE MM71 IPL/RDR CATALOG ON MICROFICHE <input type="checkbox"/> INDIVIDUAL MICROFICHE OF SELECTED FRAMES (IDENTIFY & ORDER BELOW) <input type="checkbox"/> COMPLETE MM71 MTC/MTVS CATALOG ON 16-MM MICROFILM REELS <input type="checkbox"/> INDIVIDUAL 16-MM REELS THAT INCLUDE SELECTED FRAMES (IDENTIFY & ORDER BELOW) <input type="checkbox"/> COMPLETE LIMB CATALOG ON MICROFICHE <input type="checkbox"/> MARINER 9 CALTECH MICROFICHE CATALOG	RAW SHADING CORRECTED (SC) VERTICAL AGC (VAGC) HIGH-PASS FILTERED (HPF)	CONTRAST ENHANCED (ASTRTCH) HIGH-PASS FILTERED (FASTFIL) RECTIFIED & SCALED (R&S)
<p>SUPPORTING DATA</p> <input type="checkbox"/> SUPPLEMENTARY EXPERIMENT DATA RECORDS		<p>USER'S GUIDES</p> USER'S GUIDE TO THE MARINER 9 TELEVISION REDUCED DATA RECORD, JPL TECH MEMO 33-628 <input type="checkbox"/> PRINTED COPY <input type="checkbox"/> MICROFICHE MARINER 9 TELEVISION PICTURES: MICROFICHE LIBRARY USER'S GUIDE, MTC/MTVS REAL-TIME PICTURES, JPL TECH MEMO 33-595 <input type="checkbox"/> PRINTED COPY <input type="checkbox"/> MICROFICHE	

INDIVIDUAL FRAME IDENTIFICATION

MTVS ROLL AND FILE NUMBER	IPL ROLL AND PROCESSING TIME	DAS TIME	VERSION	FORM*	SIZE**	ADDITIONAL SPECIFICATIONS

\*Paper print, negative or positive film duplicates, microfiche.

\*\*NSSDC nominally processes picture enlargements to include both the image area and the data block as shown in Figures 1 and 3 of NSSDC 73-03. Upon special request, pictures will be enlarged to exclude the data block, resulting in an approximately 40% increase in the size of the image area. Indicate under "Additional Specifications" if data block should be excluded.

\*\*Description of area.

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