General Disclaimer

One or more of the Following Statements may affect this Document

- This document has been reproduced from the best copy furnished by the organizational source. It is being released in the interest of making available as much information as possible.
- This document may contain data, which exceeds the sheet parameters. It was furnished in this condition by the organizational source and is the best copy available.
- This document may contain tone-on-tone or color graphs, charts and/or pictures, which have been reproduced in black and white.
- This document is paginated as submitted by the original source.
- Portions of this document are not fully legible due to the historical nature of some of the material. However, it is the best reproduction available from the original submission.

Produced by the NASA Center for Aerospace Information (CASI)

TM-X 72592

Ba5726

NSSDC/WDC-A-R&S-76-02

DATA ANNOUNCEMENT BULLETIN

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NATIONAL SPACE SCIENCE DATA CENTER/ WORLD DATA CENTER A FOR POCKETS AND SATELLITES Code 601

Goddard Space Flight Center • Greenbelt, Maryland 20771

STATUS OF AVAILABILITY OF LUNAR ORBITER TV PICTURE DATA Supplement No. 1 to NSSDC 69-05 -

February 1976

INTRODUCTION

This Data Announcement Bulletin (DAB) describes the changes in availability of Lunar Orbiter picture data since the issuance of Lunar Orbiter Photographic Data (NSSDC 69-05) and explains the procedures for ordering these data. For details concerning picture formats and available sizes and for ordering information about specific data sets described in NSSDC 69-05, refer to that document. A summary of availability of Lunar Orbiter picture and supporting data appears on page 4 of this DAB.

CAL TECH MICROFICHE

The National Space Science Data Center (NSSDC) has received enhanced TY pictures of Lunar Orbiter missions 1 through 5 from the Langley Research Center (LaRC)* on 4- x 6-in. (105- x 148-mm) microfiche.** For each mission, there are 15 microfiche cards of numerically arranged photographs. The normal frame position is designated "THIS PICTURE IS NOT AVAILABLE" if the frame was not enhanced. To enable the researcher to select the Lunar Orbiter pictures best suited for his study, the microfiche can be ordered as a complete catalog or by individual cards (by mission and frame number). Figure 1 shows a Lunar Orbiter microfiche card sample. These microfiche supersede the microfilm previously available.

* NSSDC 69-05 and the microfiche use LRC for this abbreviation.

** Prepared by the Division of Geological and Planetary Sciences of the California Institute of Technology (Cal Tech).

(NASA-TM-X-72592) STATUS TE AVAILABILITY OF N76-18024 LUNAR OPBITER TV PICTURE LIFA Data Announcement Bulletin (NASA) 6 p HC \$3.50 CSCL 03B Unclas G3/91 18590

SUPPORTING DATA

NSSDC no longer has Lunar Orbiter supporting data available as hardcopy. Supporting data can be supplied as one reel of 16-mm microfilm or as 10 microfiche cards. The researcher should indicate which form will more appropriately satisfy his needs. Figure 2 shows a microfiche sample of the Lunar Orbiter 1 supporting data which also are displayed on microfilm in exactly the same manner. Each frame has mission and frame numbers indicated. Figure 3 is an enlarged frame from the microfiche sample of Lunar Orbiter 1 supporting data shown in Figure 2.

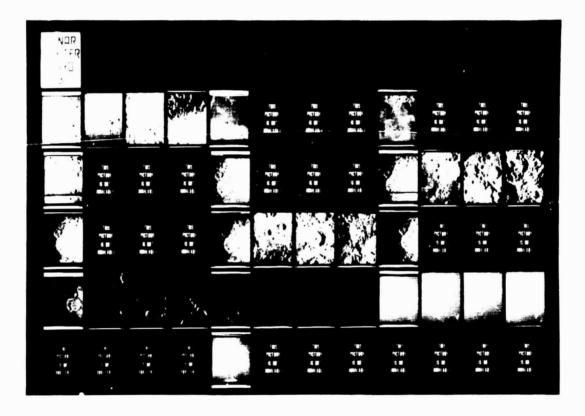


Figure 1. A Lunar Orbiter Microfiche Card Sample

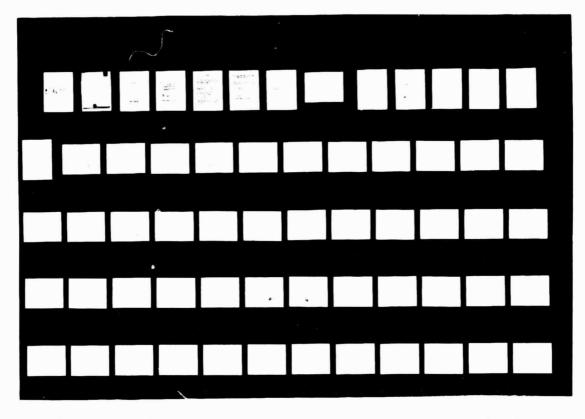


Figure 2. A Microfiche Sample of Lunar Orbiter 1 Supporting Data

	LAMAR ORBITTER PHOTOGRAPHIC SUPPORTING SATA				
		PULL L187			
1011	71.00	5/C POSITION	B/C OBLEMTATION	PHOTO ILLUNIMATION PRINCIPA	
V8.00.0V		ALT 242.97 KM	TILT AND 19.99 DE		
	1 14689 21	ALT 87 -0 1491 KH/BOC	TILT ASIR \$34 66 DE	INCID AND DO 41 DED LONDITUD	
		LAT 3.44 DBD	BWING AND B1.34 DR		
		1.040 49.33 080	# DEV. 345 22 DR	ALPHA 10 11 10 000	
	CORMER	COORDINATE BIDE LONG		CORNER COORDINATE SIDE LENOTH	
	A LAT	DEG AS 195 .		A LAT 3.87 DED A8 89 8 KM	
	A 1.040	NO 66 DEC		A LONG	
	B LOND	-0 01 000 CD 223 6		8 LAT 1.42 DB0 CD 81 8 KH	
	CLAT	-1 30 080 TILT DIST		CLAT 1 00 DED TILT DISTANC	
	C 1.000			C 1000 47 68 080 18.1	
	DIAT			D 1.47 4 00 DRO	
	0 1040	48.00 000		D 10HD 47 41 DRO	
PR407 NO 1012		8/C POSITION	8/C 08 PWTATION	PHOTO 111 UNI MATION PRINCIPA	
V8.80.0V			TILT AND		2 14 DPG
		147 1.09 080			
		1000 60 84 000			
				AI PHA # 17 DRO	
		HPDIUM PPBOLUTION		HIGH RPSOLUTION	
		COORDINATE BIDP I PHO		CORNER COORDINATE BIDE I PHOTH	
		A 11 DRO AR 191 4	RM	A 147 1 84 DRO AR #7 6 KH	
	A 1 AT	A 11 DRO AR 181 4	KW KW	A LAT 1 56 DRO AB 47 6 KH A LOND NO 34 DRO BC 23 7 KH	
		A 11 DRO AR 191 4 Az 48 DRO BC 141 8 -1 28 DRO CD 214 1		A 147 1 84 DRO AR #7 6 KH	
	A 1 AT A 1 ONO R 1 AT R 1 ONO C 1 AT	A 11 080 A8 181 4 A2 A8 080 80 181 4 -1 28 080 00 181 181 4 A2 87 080 00 18 181 4 A2 87 080 0A 182 A -1 66 080 THIT DIST		A 147 1 56 DRO AS 57 6 KH A 1000 A0 34 DRO BC 22 7 KH B 147 0 56 DRO CD 55 7 KH	
	4 147 4 1040 8 147 8 1040 6 147 6 1040	A 11 DRO AR 191 4 A2 A8 DRO BC 181 4 -1 28 DRO CD 21A 1 A2 67 DRO DA 182 A -1 66 DRO T117 D187 48 60 DRO 11 9		A 14T 5 86 DRO AR FT 6 RH A 10HO NO 34 DRO RC 23 7 KH B 14T 0 66 DRO CC PA 7 KH B 10HO NO 86 DRO CA 21 6 RH C 14T 6 86 DRO TA 21 6 RH C 14T 6 86 DRO TA 21 6 RH C 10HO 46 81 DRO SA 5	
	A 1 AT A 1 ONO R 1 AT R 1 ONO C 1 AT	A 11 DRO AR 191 4 A2 A5 DRO RC 191 5 -1 28 DRO CD 21A 1 A2 61 DRO CD 21A 1 A2 61 DRO T117 D187 46 60 DRO 13 9 A 45 DRO 13 9		A 147 1 66 000 A8 PT 6 84 A 1000 A6 34 000 BC 23 1 84 B 147 6 66 000 CD AP 18 18 B 1000 A5 26 000 DA 21 6 84 C 147 6 66 000 T117 D10748C	

Figure 3. An Enlarged Frame from the Microfiche Sample in Figure 2

SUMMARY OF AVAILABILITY OF LUNAR ORBITER PICTURE AND SUPPORTING DATA

Format of Available Data

Availability

•

Boeing Enhancements	Data superseded by LaRC enhancements.
Kodak Subframes	Data superseded by LaRC enhancements.
AMS Enhancements	Data superseded by LaRC enhancements.
LaRC Enhancements	NSSDÇ can respond to requests.
35-mm Framelets	NSSDC can respond to requests.
35-mm Microfilm	Data superseded by Cal Tech microfiche.
Cal Tech Microfiche	NSSDC can respond to requests.
Microfilm Supporting Data	NSSDC can respond to requests.
Microfiche Supporting Data	NSSDC can respond to requests.

4

ORDERING PROCEDURES

When ordering microfiche, the researcher should specify which Lunar Orbiter mission or missions he requires. If he desires only selected cards, he needs to provide the mission and frame numbers for processing.

The Lunar Orbiter photographic data order form enclosed with this DAB is provided for the requester's convenience. All parts of the form must be completed to assure 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 purpose for which the data provided will be used; therefore, a statement to this effect should be included 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.

Researchers may view the Lunar Orbiter pictures at NSSDC. United States researchers should address inquiries about or requests for pictures to:

> National Space Science Data Center Code 601.4 Goddard Space Flight Center Greenbelt, Maryland 20771 Telephone: (301) 982-6695

Researchers outside the United States should direct their requests :

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

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