

N78-20042

NASA Reference Publication 1007

Viking Lander Imaging Investigation

Picture Catalog of Primary Mission

Experiment Data Record

Robert B. Tucker

FEBRUARY 1978

NASA

Viking Lander Imaging Investigation

Picture Catalog of Primary Mission

Experiment Data Record



L-77-378

This photograph was taken by Viking Lander 1 on the afternoon of the thirty-second Mars day after landing. The view covers 40° looking northeast from the landing site. The large dark rock in the foreground is approximately 8 m from the lander and is about 1 m high and 3 m long. Drifts of fine material can be seen extending toward the horizon.

NASA Reference Publication 1007

Viking Lander Imaging Investigation

Picture Catalog of Primary Mission
Experiment Data Record

Robert B. Tucker
Stanford University Medical Center
Stanford, California



National Aeronautics
and Space Administration

**Scientific and Technical
Information Office**

1978

PREFACE

This publication provides a general reference for the imaging data from the Viking lander primary mission. It presents the results of the procedures which were applied to the imaging data to produce an organized record which is as complete and as error free as possible. The result is called the experiment data record. This publication also contains all images returned by the two Viking landers during the primary mission. Skyline drawings display the outlines of the images as they appear in the viewing area. Also included is a selection of computer-generated camera event reports that list supplemental information about the conditions under which the data were collected and how they were processed and recorded. In addition to a comprehensive report, several listings are included which group the images in a variety of ways, as by time of day, for example.

A section on terminology has been included to assist with the interpretation of the listings and the image presentation. Several diagrams also provide assistance on this subject. This publication will acquaint the user with the imaging data that are available from the Viking lander primary mission and the procedure used to obtain photographic products.

A large number of individuals have made substantial contributions to this report. There are three major groups: the scientists who developed the science requirements for the design of the lander camera system and the acquisition of the data, the Lander Imaging Flight Team which, together with these scientists, implemented the mission plan for the lander camera system, and a group which participated specifically in the production of this report material.

The Viking Lander Imaging Science Team consisting of Thomas A. Mutch, Team Leader; Elliott Levinthal, Deputy Team Leader; Alan B. Binder; Friedrich O. Huck; Sidney Liebes, Jr.; Elliot Morris; James A. Pollack; and Carl Sagan developed the science plans.

The Viking Lander Imaging Flight Team includes the members of the Viking Lander Imaging Science Team and Raymond E. Arvidson, Phil Avrin, Raymond Batson, C. Ernest Carlston, Robert D. Collie, Kenneth L. Jones, William R. Patterson, R. Steve Saunders, Glenn R. Taylor, and Michael R. Wolf. This group, augmented by Edward Dunham, Paul Fox, Sven Grenander, Edward Guinness, Ralph Kahn, and David Pieri, implemented the necessary procedures to command the cameras and to return and process the imaging data. The Lander Imaging Flight Team was part of an organization of 850 people that comprised the complete Viking Mission Flight Team.

In the production of the report materials use was made of the facilities of the Image Processing Laboratory at the Jet Propulsion Laboratory and many individuals in the Image Processing Laboratory contributed to the image processing. David L. Atwood, Rodger Philips, and Deborah Spurlock had major responsibilities in the development of the final experiment data record data base under the direction of William B. Green, Donald J. Lynn, and Arnold A. Schwartz. The computer-generated graphics and reports were developed by Jackson Wilson from data organized by Ted Sesplaukis under the direction of Michael Martin of the Viking Data Library. Steve Saunders and Michael . Marcolini supplied the commentary material for the camera event reports.

CONTENTS

PREFACE v

INTRODUCTION 1

ABBREVIATIONS 3

IMAGING EXPERIMENT 5

 LANDER CAMERAS 5

 Mechanical and Optical Design 5

 Photosensing and Data Acquisition 6

 DATA TRANSMISSION 9

 DATA BASE DEVELOPMENT 9

 IMAGING EXPERIMENT COORDINATE SYSTEMS, TERMINOLOGY, AND LABELING 11

 Coordinate Systems 11

 Camera Event Command Parameters and Lighting Conditions 13

 Data Receipt Parameters 17

 Photographic Product Fiducial Annotation 18

EXPERIMENT DATA RECORD PROCESSING AND PHOTOGRAPHIC PRODUCTS 20

 CAMERA EVENTS 20

 VL-1 Camera Events 20

 VL-2 Camera Events 20

 CAMERA EVENTS NOT RECEIVED ON EARTH 20

 127-mm (5-in.) PHOTOGRAPHIC PRODUCTS 22

 MAGNETIC TAPE STORAGE 22

 Label Records 25

 Pixel Data Records 26

 MICROFICHE 26

 LABELING 26

 PHOTOGRAPHIC PRODUCT PROCUREMENT 27

 TEAM DATA RECORD 27

SELECTION OF CAMERA EVENT PARAMETER LISTS 27

 CAMERA EVENT REPORTS 28

 SUBSET LISTS 28

IPL PICTURE IDENTIFIERS (EDR ORDER NUMBERS)	29
ELEVATION COVERAGE CHARTS	29
<u>SKYLINE DRAWINGS</u>	29
<u>VIKING LANDER EXPERIMENT DATA RECORD IMAGES FOR PRIMARY MISSION</u>	31
<u>VIKING LANDER 1 EXPERIMENT DATA RECORD</u>	35
VL-1 PARAMETER LISTS	39
VL-1 Camera Event Report	43
VL-1 High-Resolution Camera Events in Event Order	89
VL-1 High-Resolution Camera Events Sorted by Time of Day	93
VL-1 High-Resolution Camera Events Sorted by Elevation and Start Azimuth for Segments of Day	99
VL-1 Survey Camera Events	107
VL-1 Visual Color Triplet Camera Events	111
VL-1 Infrared Triplet Camera Events	115
VL-1 Visual and IR Singlet Camera Events	119
VL-1 Sun Imagery Camera Events	123
VL-1 Calibration and Scan Verification Camera Events	127
VL-1 Rescanning Camera Events	131
VL-1 IPL Picture Identifiers (EDR Order Numbers)	135
VL-1 Elevation Coverage Charts	143
VL-1 SKYLINE DRAWINGS	161
VL-1 EDR IMAGES	191
<u>VIKING LANDER 2 EXPERIMENT DATA RECORD</u>	267
VL-2 PARAMETER LISTS	271
VL-2 Camera Event Report	275
VL-2 High-Resolution Camera Events in Event Order	333
VL-2 High-Resolution Camera Events Sorted by Time of Day	339
VL-2 High-Resolution Camera Events Sorted by Elevation and Start Azimuth for Segments of Day	345
VL-2 Survey Camera Events	355
VL-2 Visual Color Triplet Camera Events	359
VL-2 Infrared Triplet Camera Events	363
VL-2 Visual and IR Singlet Camera Events	367
VL-2 Sun Imagery Camera Events	371
VL-2 Calibration and Scan Verification Camera Events	375
VL-2 Rescanning Camera Events	379
VL-2 IPL Picture Identifiers (EDR Order Numbers)	383
VL-2 Elevation Coverage Charts	391

VL-2 SKYLINE DRAWINGS	415
VL-2 EDR IMAGES	451
<u>REFERENCES</u>	556
<u>BIBLIOGRAPHY</u>	557

INTRODUCTION

The Viking Mission to Mars consisted of two spacecraft, each comprised of an orbiter and a lander. They were launched by Titan III/Centaur rockets on August 20, 1975, and September 9, 1975, and placed in orbit around Mars on June 19, 1976, and August 7, 1976, respectively.

The Viking lander imaging investigation used a pair of cameras on each of the two landers to characterize the scene at two sites on the surface of Mars. This publication presents a catalog of the imaging data received from the two landers during the period from the touchdown of Viking Lander 1 until the transmission from both spacecraft was temporarily halted on November 7, 1976, because of solar conjunction.

Viking Lander 1 touched down on the surface of Mars on July 20, 1976, at 1613 relative to local Mars midnight. The landing site is on the western slopes of Chryse Planitia at 22.483° N and 47.94° W (areographic coordinates). Viking Lander 1 faces in a southeasterly direction (141.91° clockwise from north as defined by the side of the spacecraft on which the two cameras are mounted). The spacecraft deck is tilted 3° downward in the direction 285.18° clockwise from north.

Viking Lander 2 touched down at 0948 relative to local Mars midnight on September 3, 1976, at a landing site in the Utopia Planitia region at 47.968° N and 225.71° W. It faces in the direction 29.13° . The lander has a tilt of 8.21° downward in the direction 277.7° from north.

The two orbiting spacecraft from which the landers separated provide communication support for the landers in addition to independent activities involving orbiter science. Approximately 8000 images were acquired during the primary mission by the orbiter cameras and are described in other reports (for example, ref. 1).

In addition to the imaging experiment, eight other areas of scientific investigation were supported by the landers: biology, molecular analysis, inorganic chemical analysis, meteorology, seismology, magnetic properties, physical properties, and radio science. Portions of the imaging experiment were performed in support of these other investigations.

Figure 1 shows histograms of the quantity of camera data received from the two landers for each Mars solar day during the primary phase of the mission. (See ref. 2.) The data return from Lander 1 was reduced considerably after Lander 2 landed. This reduced data flow from Lander 1 was transmitted directly from the lander to Earth by using the S-band communication system. The cameras are facsimile type devices which image the scene with selectable spatial resolution and spectral response. The image information is digitized by the cameras

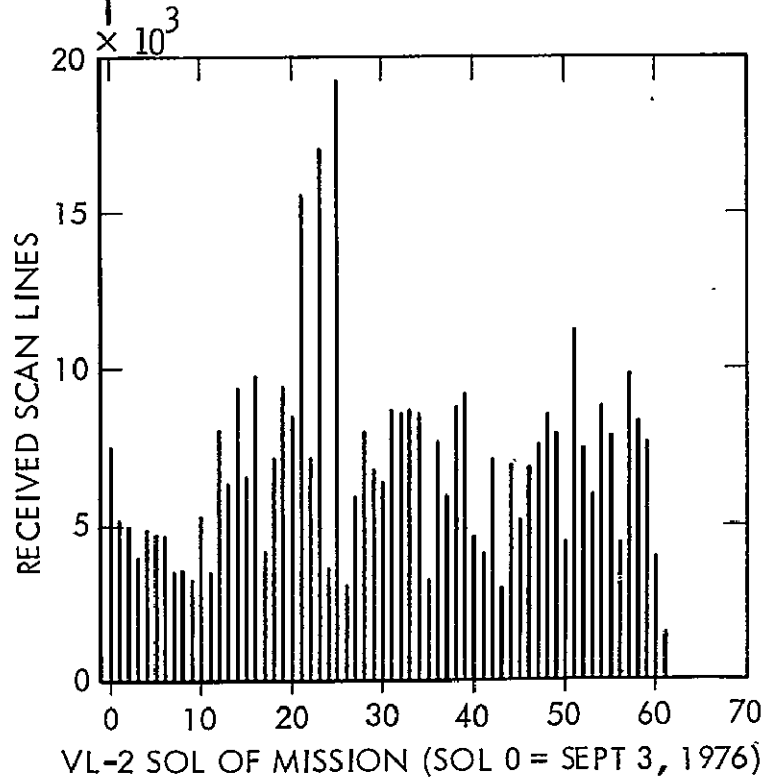
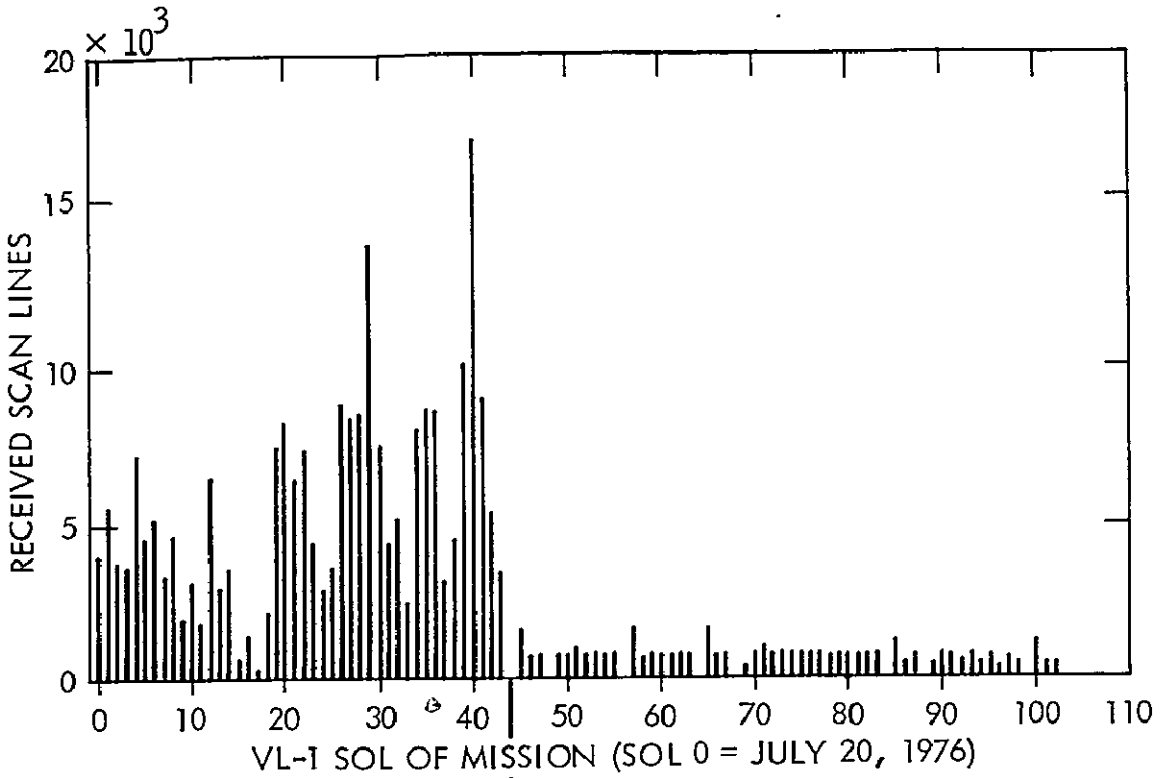


Figure 1.- Histograms of quantity of data received.

for transmission to Earth. Also transmitted to Earth is supplementary information which identifies the images and indicates the conditions under which the data were collected.

On Earth the digital data are used to reconstruct the images. Sometimes, communication strategies result in a set of image data being received more than once. Selection and merging operations are performed to develop the most error-free record of the data, which is termed the experiment data record (EDR).

The data are stored on magnetic tape and are converted by means of various recording devices to photographic media. Film negatives are produced and are used to make positive transparencies, positive prints, and microfiche photographic products. These photographic products and magnetic tapes constitute the primary mission experiment data record of the Viking lander imaging investigation and are described in this publication.

Also included in this publication are computer-generated camera event reports that list supplemental information about the conditions under which the data were collected and how they were processed and recorded. In addition to skyline drawings, displaying the outlines of images as they appear in the viewing area, listings are included which group the images in a variety of ways, as by time of day, for example.

ABBREVIATIONS

AZ	azimuth
BB	broadband
bps	bits per second
CACCS	camera-aligned camera coordinate system
CE	camera event
CLR	color
DCS	dark current subtractor
DIGIFAX	digital facsimile printing device
DN	data number
EDR	experiment data record
EL	elevation
FOVLIP	first-order Viking lander image processing
GCMS	gas chromatograph-mass spectrometer

GMT Greenwich mean time

IPL image processing laboratory

IPL PIC ID Image Processing Laboratory picture (photograph) identifier

IR infrared

ISDR intermediate system data record

JPL Jet Propulsion Laboratory

LACCS lander-aligned camera coordinate system

LACS lander-aligned coordinate system

LLD/T local lander day/time

LLT local lander time

LSEQ lander sequencing software

MTIS mission and test imaging system

MTPS mission and test photographic system

N north

PDA power distribution assembly

POS. positive

PSA photosensor array

RESTIMG restore image data

RT real time

RTG radioisotope thermoelectric generator

SB S-band

SDR system data record

sol Mars solar day

SUR,SURV survey

SYS system

TDR team data record

TLMP telemetry processing
 TRANS. transparencies
 UHF ultrahigh frequency
 UTC coordinated universal time
 VICAR video information classification and retrieval
 VIS visible
 VL Viking lander
 VLLOG Viking lander logging
 VMCCC Viking mission control and computing center
 λ wavelength, μm

IMAGING EXPERIMENT

LANDER CAMERAS

The Viking lander cameras are facsimile type instruments in which a mirror, nodding in elevation and rotating in azimuth, sweeps the field of view over selected photodiodes (ref. 3). The two cameras on each lander are 0.8 m apart and view the scene from a nominal height of 1.3 m.

Mechanical and Optical Design

The mirror nods on a horizontal axis which itself pivots on a vertical axis. This scanning mechanism provides for vertical scan lines acquired in the direction from low to high elevation. During the vertical scan, the acquisition of picture elements (pixels) is such that the separation between pixel centers equals the azimuth step size in degrees, either 0.04° or 0.12° depending on the command. This results in a 20.48° vertical field of view for a 0.04° azimuth step size and a 61.44° view at a 0.12° step size. The starting and stopping azimuths can be commanded in increments of 2.5° over a range of 342.5° . The elevation pointing angle (the center of the elevation scan) can be commanded in 10° increments such that the field of view extends from -60° to 40° relative to the plane of the lander. The light that is reflected by the mirror is imaged by an achromatic triplet lens onto the photosensor array. This lens has an aperture of 9.95 cm and a focal length of 5.37 cm.

Care must be taken in interpreting the images produced by such a camera when the picture elements (pixels) are displayed in a conventional rectilinear coordinate system (as used in the image reconstruction). Straight lines in

the original scene are not, in general, reconstructed as straight lines in the resulting image. (The conventional perspective camera preserves straight lines.)

Photosensing and Data Acquisition

Twelve silicon photodiode sensors are command selectable and provide for a selection of spectral response and angular resolution. Interference filters associated with six of the diodes provide for three visual color bands (red, green, and blue) and three near-infrared spectral bands (IR1, IR2, and IR3). These bands have instantaneous fields of view of 0.12° . Four diodes (BB1, BB2, BB3, and BB4) with an instantaneous field of view of 0.04° and nominally associated with the 0.04° step size are placed at different distances from the lens for focus selection (1.9, 2.7, 4.5, and 13.3 m) resulting in an overall depth of field from 1.7 m to ∞ . One diode (survey) has no filter and is used for black and white panorama imaging utilizing the 0.12° step size. The Sun diode has a 0.12° instantaneous field of view and a red filter for solar imaging. Figure 2 shows the spectral characteristics of the diodes. The BB curve applies to diodes BB1, BB2, BB3, BB4, and survey. Table 1 is a summary of the spatial characteristics of the camera. (See ref. 3.)

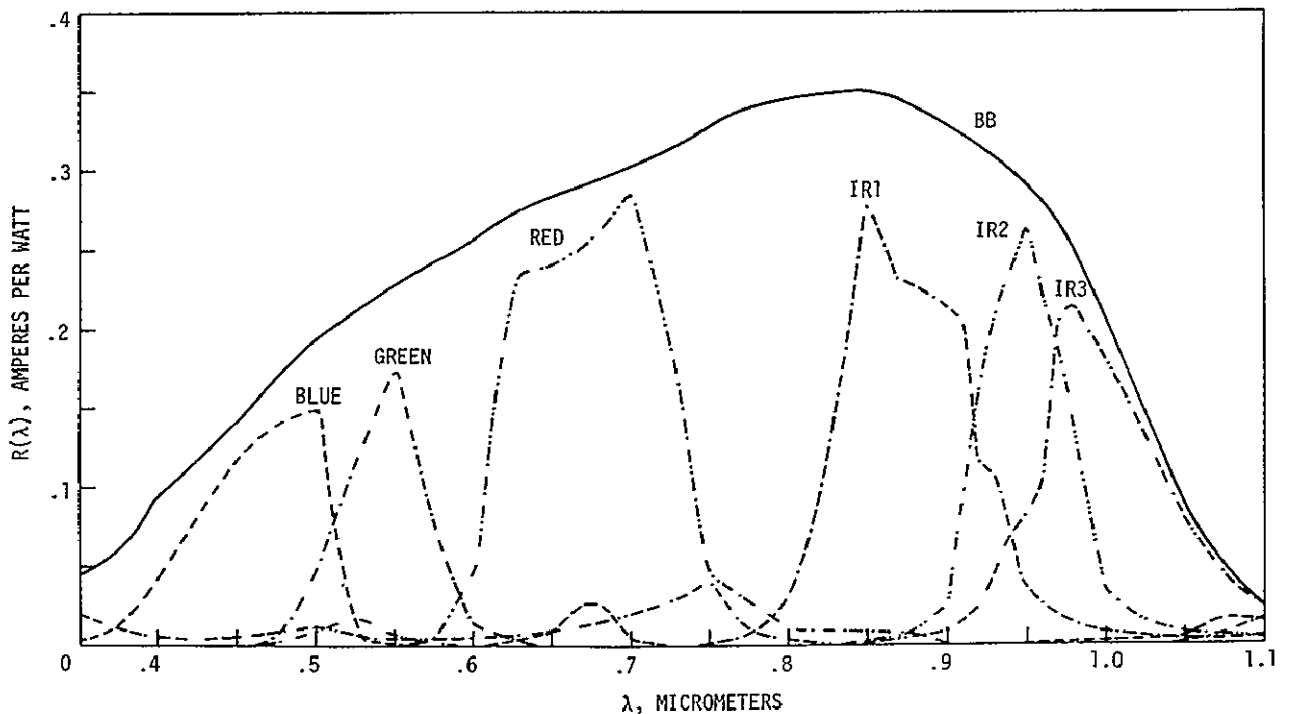


Figure 2.- Spectral response $R(\lambda)$ characteristics of photosensor array.

TABLE 1.- CAMERA CHARACTERISTICS

Characteristic	Survey	Color and IR	High resolution
Instantaneous field of view, deg	0.12	0.12	0.04
Picture element registration error, deg . . .	±0.036	±0.013	±0.006
Absolute angle error:			
Elevation, deg	±0.3	±0.2	±0.2
Azimuth, deg	±0.15	±0.1	±0.1
Frame width:			
Elevation, deg	61.44	61.44	20.48
Azimuth (min; max), deg	2.5; 342.5	2.5; 342.5	2.5; 342.5
Field of view:			
Elevation, deg	100; from 40° above to 60° below horizon in 10° steps		
Azimuth, deg	342.5; in multiples of 2.5° steps		
Geometric depth of field, m	1.7 to ∞	1.7 to ∞	1.7 to ∞
In-focus distance, m	3.7	3.7	1.9, 2.7, 4.5, and 13.3
Picture elements per line	512	512	512
Bits per picture element	6	6	6
Bits per degree azimuth	2.84×10^4	8.53×10^4	8.53×10^4
Time per degree azimuth:			
Rapid scan, sec	1.84	5.52	5.52
Slow scan, min	2.0	6.0	6.0

An internal light source with four selectable intensities permits calibration information to be gathered before and/or after a scene has been imaged. The calibration data have a camera event label associated with them and are treated in the data management system as a separate camera event. There is also a light source external to the camera in the protective post for use in scan verification.

Multispectral imaging (nominal color or infrared) is accomplished by alternately selecting three diodes (either blue, green, red, or IR3, IR2, IR1) for three vertical scans at each azimuthal position with, nominally, a 0.12° step. The data are thus gathered for each diode, or spectral band, in an interleaved fashion. The data management system separates these interleaved images prior to storage in the experiment data record.

The camera electronics provides a 6-bit pixel value for each point scanned. (This value is later changed to 8 bits after receipt on Earth; see section "Pixel Data Records.") However, before the analog-to-digital conversion takes place, a dark current subtraction is made in which a previously acquired dark current from the photosensor is subtracted from the signal current. Although the option exists to inhibit this subtraction, the option was not implemented for any images during the primary mission phase (reference to this option has

been deleted from the listings of command parameters). The dark current is evaluated every 64 scan lines; therefore, a slight band effect results in some images taken at high gains.

The dynamic range of the 6-bit (64 levels) encoding scheme is extended by using 6 commandable linear gains and 32 offsets. The gains and offsets associated with each camera event are listed in the sections "VL-1 Camera Event Report" and "VL-2 Camera Event Report." Figure 3 (ref. 3) shows the relationship between the digital pixel values and the photosensor array signal level for the available gains and offsets.

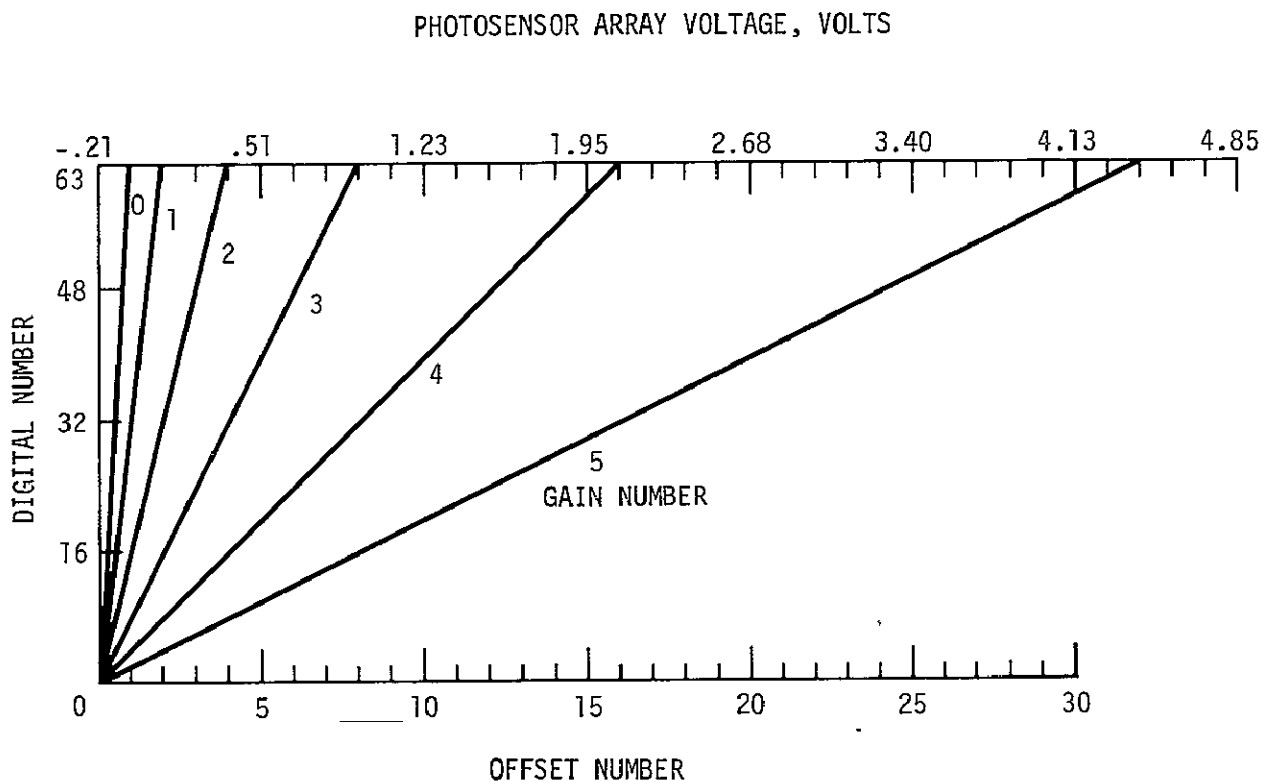


Figure 3.- Camera gains and offsets.

Both geometric and photometric calibration procedures were performed during the development of the camera system. The geometric calibration data indicate azimuthal "bolt down" and coning errors on the order of 1° . Additional photometric calibration steps were performed just prior to launch, after spacecraft sterilization (ref. 4). However, neither the EDR image data stored on magnetic tape nor those shown in the EDR photographic products and parameter lists have had any decalibration processing applied to them. The radiometric calibration is reported in reference 5 and the geometric calibration is in progress.

DATA TRANSMISSION

Several options exist for transmitting the camera data from Mars to Earth. The two major classifications are recorded imaging and real-time imaging. In recorded imaging, camera data are generally acquired in the 16 000-bps scan rate and recorded on the lander tape recorder. The option exists, however, to acquire the data at the 250-bps scan rate, buffer it in the data storage memory, and then record it at the higher rate. In the primary mission phase this buffering was done only when acquiring a small number (14) of visual color camera events in the rescan mode. The recorded data can be transmitted directly to Earth at 1000, 500, or 250 bps via the S-band link. For the primary phase of the mission the playback of the tape recorder directly to Earth was implemented only during the reduced activity period of VL-1 image data return. The data relay from the orbiters varies from 16 000 bps to 1000 bps.

Real-time imaging involves no use of the lander tape recorder and is divided into two categories: direct to Earth via the S-band transmitting system at 250 bps or to an orbiter at 16 000 bps (UHF).

It is important to note that the camera commanding procedure for recording imaging is different from that for real-time imaging. A result is that the conditions under which rescanning occurs at the end of a camera event differ. (See Rescan in the section "Camera Event Command Parameters and Lighting Conditions.") There is also the opportunity for blank image lines when the commanded duration of a real-time camera event is shorter than the time required to scan the commanded azimuth range. These blank image lines are added during the ground data handling procedures.

All data returned by the spacecraft are received by the Deep Space Network (DSN) with tracking stations located in California, Spain, and Australia. The data are then transmitted to the Jet Propulsion Laboratory. More than one tracking station may receive the data and more than one transmission from a station to JPL may occur. Thus, several received versions of a camera event (or a portion of a camera event) may occur in the incoming data record. One of the data management tasks is to merge repeatedly received images to recover the most error-free data record.

DATA BASE DEVELOPMENT

The development of the real-time data base begins as the imaging data are received at JPL. The telemetry processing software separates the imaging data from the other science data and forwards it to the first-order Viking lander imaging processing (FOVLIP) system as the system data record. Figure 4 shows the flow of the data in the development of the experiment data record.

The FOVLIP system provides a basic set of image processing and display capabilities which support real-time enhancement of the images and video displays. On-line and off-line hardcopy capability also exists. The system merges information from an "expected images" information list with the incoming

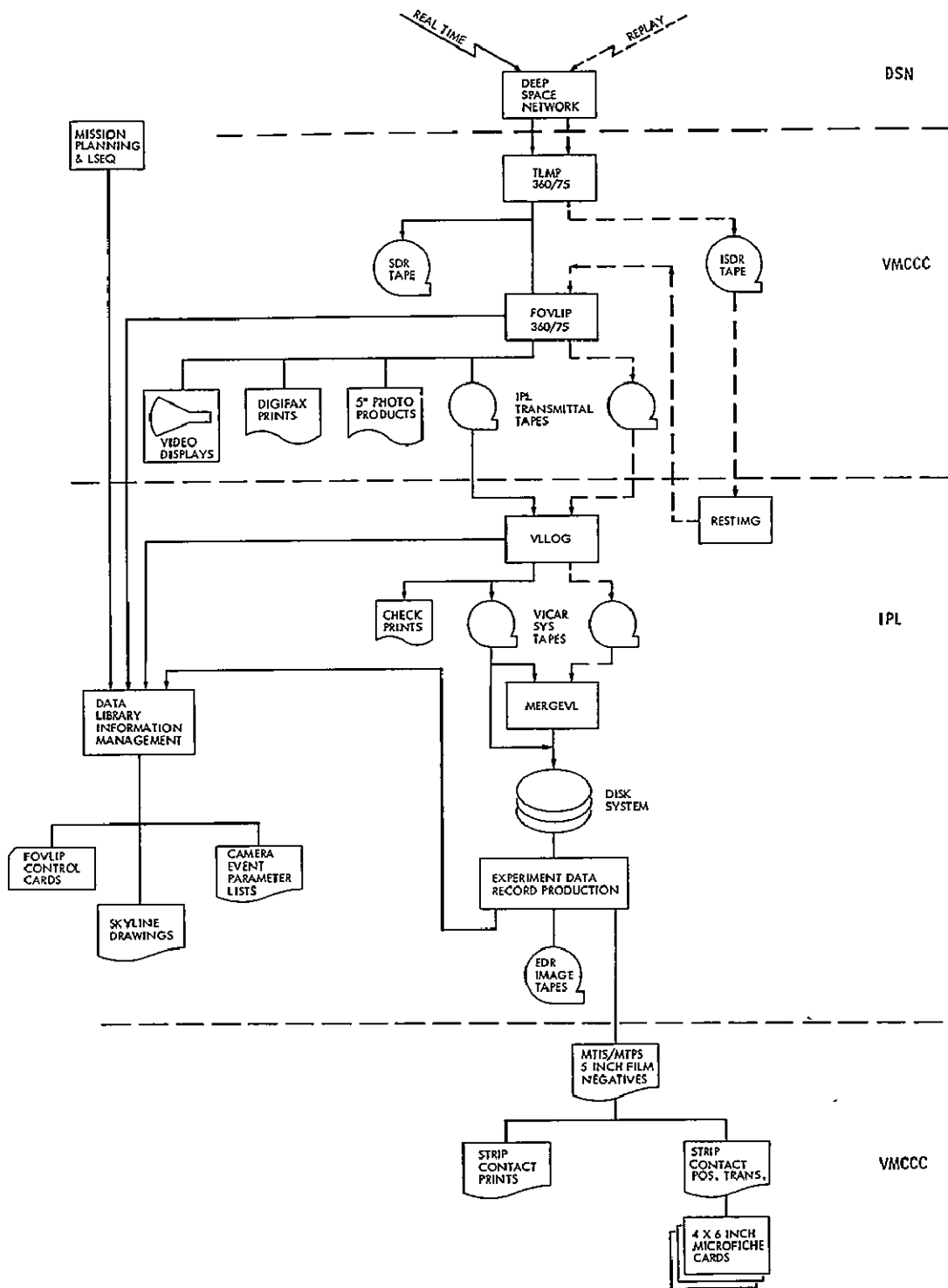


Figure 4.- Imaging data flow. The dashed path indicates the flow of non-real-time data prior to being merged with real-time data.
 4 in. = 102 mm; 5 in. = 127 mm; 6 in. = 152 mm.

data and produces properly identified, annotated, and formatted displays. The capability exists for noise removal, contrast enhancement, and spatial filtering of the displayed images. The data base developed by FOVLIP is forwarded on tape to the JPL Image Processing Laboratory.

The image data collected by the tracking stations are replayed at a later time to obtain a better data record, called the intermediate system data record. These data are sent to IPL for computer processing directed toward further recovery of image lines scrambled during transmission. The results of this image restoration process (RESTIMG) are returned to FOVLIP (VMCCC) where they are verified and then merged with the annotation data. This restored data record is subsequently sent to IPL for logging into the VICAR image processing system.

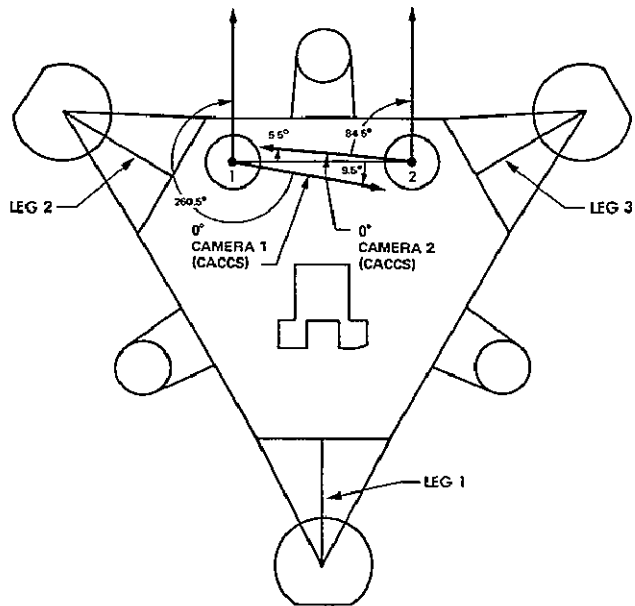
By selecting from these two sets of image data, managed under VICAR, the most complete set of image data is collected on a disk-based storage system. In some cases, the selection consists of an entire image from either the original transmission (SDR) or a recall (ISDR). In other cases, camera scan lines from the original version are merged with scan lines from a recall. Cases also exist where the selection process is done at the pixel level. A judgment is made as to the possibility that a particular pixel suffers from a bit error which makes it advisable to select a pixel from a different transmission. No "despiking" operations are applied to arbitrarily assign new values to certain pixels. However, the choice of pixel selection from multiple transmissions is, to some extent, arbitrary. Miscellaneous annotation errors are also corrected at this point in the processing. This disk-resident data base is then used in the production of the experimental data record and a variety of other image processing tasks.

IMAGING EXPERIMENT COORDINATE SYSTEMS, TERMINOLOGY, AND LABELING

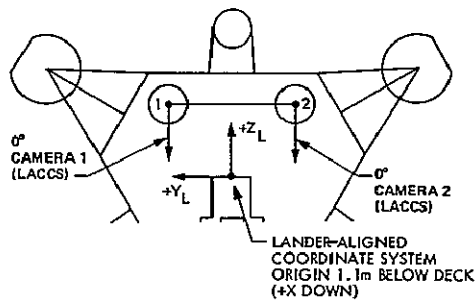
This section is intended primarily as a glossary for the parameters listed in the VL-1 and VL-2 parameter lists and the label information on the images. The material described is common to many of the photographic products. The later sections, which describe these products in greater detail, supplement this glossary.

Coordinate Systems

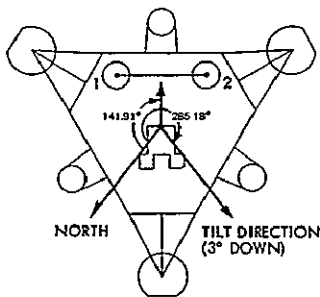
Camera-aligned camera coordinate system.- The coordinate system primarily used in this publication is the camera-aligned camera coordinate system (CACCS). The origin of this system is at the intersection (nominal) of the rotation axes of the camera mirror. In the CACCS, azimuth angles are measured clockwise (viewed from above) from a vector pointing in the general direction of the other camera. For camera 1 this vector passes in back of camera 2 but for camera 2 it passes slightly in front of camera 1. (See fig. 5(a).) The CACCS is the reference for the start azimuths and stop azimuths presented in the parameter lists for VL-1 and VL-2. The cameras are commanded by using the CACCS notation. This system is the reference for the notation which appears on the horizontal scale through the center of each camera view in the VL-1 and VL-2 skyline drawings. The CACCS system is also referenced by the fiducial annotation on the



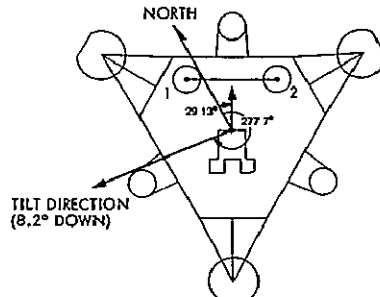
(a) Camera-aligned camera coordinate system.



(b) Lander-aligned camera coordinate system.



(c) Lander 1 orientation.



(d) Lander 2 orientation.

Figure 5.- Camera coordinate systems and orientation of landers.

EDR photographic products. However, this fiducial annotation presents two azimuth angles separated by a slash (/). The first references the CACCS, as just discussed; the second references the lander-aligned camera coordinate system as described in the next section.

The camera elevation angle is measured from the direction perpendicular to the azimuth axis of the camera as described in the section "Center elevation."

Lander-aligned camera coordinate system.- The lander-aligned camera coordinate system (LACCS) is referenced in only two situations in this publication. The azimuth entries which appear following the slash (/) at the top of the EDR photographic products reference the LACCS as do the azimuth entries which appear at the top and bottom of each camera view on the VL-1 and VL-2 skyline drawings. In the LACCS system, azimuth angles are measured clockwise (viewed from above) from a vector perpendicular to the inter-camera baseline and directed toward the rear of the lander. (See fig. 5(b).) Its origin is at the intersection (nominal) of the rotation axes of the camera mirror. LACCS derives its name from its similarity to a commonly used general lander coordinate system, the lander-aligned coordinate system (LACS), which has an origin 1.1 m below the center of the top surface of the lander. (See fig. 5(b).)

Lander tilt.- The landers are tilted slightly relative to the local gravity vector. VL-1 is tilted 3° downward in the direction 285.18° clockwise from north. (See fig. 5(c).) VL-2 has a tilt of 8.21° downward in the direction 277.9° from north. (See fig. 5(d).)

Camera Event Command Parameters and Lighting Conditions

The terms in this section relate to the parameters used to command the cameras and the conditions under which the image data are acquired. Common abbreviations and acronyms are shown in parentheses. These parameters appear in VL-1 and VL-2 parameter lists, on the photographic products, and in the magnetic tape label records.

Frame count.- Frame count is a lander assigned sequence number which increases by 1 for each camera event. Its starting value is 1 and recycles to 0 after reaching 255.

Camera event.- Camera event (CE) refers to a single executed camera command which is identified by a frame count. It results in the collection of vertical scan lines of camera data.

Camera event label.- The camera event label is a 10-character identifier used to designate a camera event. The first character (1 or 2) indicates the lander (VL-1 or VL-2), the second character (1 or 2) indicates the camera on the lander, and the third character is the frame count cycle. This third character takes on the values A, B, C, . . . and is included because the frame count (the three digits following the frame count cycle) resets to 0 after counting to 255. The three digits following the slash (/) are the sol on which the camera event occurred. (See next section.)

Mars solar day.- The Mars solar day (sol) is considered to have a length of 24 hours, 39 minutes, and 35.25 seconds; it is usually abbreviated as sol. Sol 0 is the particular spacecraft's landing day. Sol 0 for VL-1 is July 20, 1976, and sol 0 for VL-2 is September 3, 1976.

Local lander time.- Local lander time (LLT) refers to the time after local midnight at the lander on Mars. Generally, it refers to the beginning of a camera event. It is designated in hours, minutes, and seconds (Earth units) in the format H:M:S and often appears preceded by sol separated by a slash.

Diode.- As described in the section "Lander Cameras" there are 12 photo-diodes in the camera. These diodes are generally referred to by name: BB1, BB2, BB3, and BB4 for the high-resolution broadband diodes; SURV for the low-resolution broadband diode; BLU, GRN, and RED for the visual color diodes; IR1, IR2, and IR3 for the infrared diodes; and SUN for the diode used in Sun imagery. When the diodes are used in triplet mode (nominally BLU, GRN, RED or IR1, IR2, IR3), a /T is generally appended (e.g., BLU/T). Calibration images are identified by "CAL" in this field, sometimes preceded by the first diode used in the calibration and followed by the light source level.

Azimuth start/stop.- The azimuth start and stop entries are the azimuth limits, in degrees, of a camera event. (See "Coordinate Systems.") Sometimes, there are missing camera scan lines which result in no image data at points within this range.

Center elevation.- Camera events are commanded by specifying the center elevation (ELEV) pointing angle (EPA) of the resulting image. The direction perpendicular to the camera's azimuth axis of rotation is the 0° reference (negative is below, positive above). This value is sometimes followed by the lower and upper limits of the scan in parentheses. Note that this is the commanded elevation and must be adjusted for nonnominal modes.

Step size.- The camera step size may be either 0.04° or 0.12° and expresses the angular separation in azimuth between successive scan lines and the angular separation in elevation between successive picture element centers.

Channel.- The channel (CHAN) is the camera parameter which determines the diode used in the camera event. The value range is from 0 to 15 but 6, 7, 12, and 15 are left undefined. (See table 2.)

Mode.- The mode is a camera command parameter which selects the camera scan step size and the choice between a single or triple scan (at each azimuth position). The mode also selects one of four intensity levels of the internal calibration light source. (See table 2.)

Nonnominal modes.- Table 2 displays the diode channels and the camera modes. The term nonnominal mode refers to a mismatch between the step size used in a camera event and the instantaneous field of view of the diode channel selected. (See table 1.) It is important to note that high-resolution diodes (BB1, BB2, BB3, and BB4) used with a step size of 0.12° will cause the elevation of the image to be increased by approximately 5.6°. A low-resolution

TABLE 2.- CAMERA CHANNELS AND MODES

CHANNEL	CHANNEL COMMAND NUMBER	MODE							
		UNDEFINED	0.12° TRIPLET	SINGLET		CALIBRATION			
				0.04°	0.12°	4	5	6	7
		0	1	2	3	4	5	6	7
BB2	0				NN	↑	↑	↑	↑
BLUE	1		VIS CLR TRIPLET	NN					
GREEN	2			NN					
RED	3			NN					
SUN	4			NN					
BB4	5			NN		LAMP INTENSITY 0	LAMP INTENSITY 1	LAMP INTENSITY 2	LAMP INTENSITY 3
UNDEFINED	6								
UNDEFINED	7								
BB1	8			NN					
IR3			IR TRIPLET	NN					
IR2	10			NN					
IR1	11			NN					
UNDEFINED	12								
BB3	13			NN					
SURVEY	14			NN					
UNDEFINED	15								

BB1	8	0	BB2
IR3	9	1	BLUE
IR2	10	2	GREEN
IR1	11	3	RED
SURVEY	14	4	SUN
BB3	13	5	BB4

↑ COMMANDS WITH NORMALLY HIGH RESOLUTION DIODES (BB1, BB2, BB3 AND BB4) USED IN A LOW-RESOLUTION MODE (0.12°) CAUSE THE IMAGE ELEVATION TO BE ~ 5.6° ABOVE THAT COMMANDED

↓ COMMANDS WITH NORMALLY LOW RESOLUTION DIODES (SURVEY, BLUE, GREEN, RED, SUN, IR1, IR2, AND IR3) USED IN A HIGH-RESOLUTION MODE (0.04°) CAUSE THE IMAGE ELEVATION TO BE ~ 5.6° BELOW THAT COMMANDED

NN = NON NOMINAL MODE

diode used with a step size of 0.04° will cause the elevation of the image to be decreased by approximately 5.6°.

The term nonnominal mode is also sometimes used to refer to triplet images other than the normal: BLU, GRN, RED, or IR3, IR2, IR1 scanning. However, no such nonnominal triplet scanning was commanded during the primary mission phase.

Offset.- There are 32 commandable offsets of equal voltage steps available which can be applied to the sensed radiometric measurements prior to digitization at the camera. The offsets are identified by the numbers 0 to 31. (See fig. 3.)

Gain.- The six commandable camera gains are designated by the integers 0 to 5 and represent decreasing amounts of gain (by factors of 2) as the numbers increase from 0. (See fig. 3.)

Data path.- Two indicators separated by a slash are used to describe the data transmission path from the cameras to Earth. The first is either REC or RT indicating, respectively, that the data were recorded on the lander for later transmission or transmitted in real time as the camera scanned. The second (UH or SB) indicates whether the data went to the orbiter via the UHF link or directly to Earth via the S-band link.

Scan rate.- The camera has two scan rates: 16 000 bps and 250 bps. The parameter reflects this rate with an entry of 16K or 250.

Photosensor array temperature.- The photosensor array temperature (PSA TEMP) is a value in the range 0 to 63 (DN) which indicates the temperature of the camera's photosensor array. It is expressed in the EDR data as an average over the duration of a CE and may be shown either on a scale of 0 to 63 or converted to degrees Celsius by the following formula:

$$^{\circ}\text{C} = 1.98\text{DN} - 60.95$$

Solar azimuth and elevation.- The azimuth and elevation of the Sun (SOLAR AZ/EL) are expressed in the "local horizon system" wherein the zenith is at 90° elevation and the horizon (perpendicular to the local gravity vector) is at 0° elevation. Azimuth is measured in the clockwise direction (viewed from above) with 0° directed toward the north.

Antisolar azimuth and elevation.- The azimuth and elevation of the anti-solar vector (ANTI-SOLAR AZ/EL) is given in the CACCS which acquired the image referenced. The direction is that of a vector from the Sun to the camera.

Event time.- The day of year (1976) and time of the beginning of a camera event are listed on most photographic product labels. Although labeled as GMT, the value indicated is that of UTC. The elements, day, hour, minute, and second, are in the format D/H:M:S. On some photographic products the colons are replaced by periods.

Dust (D).- The capability exists on the camera to direct a discharge of CO₂ across the outer surface of the protective outer window of the camera prior to executing a camera event. This dusting (D) was done several times in the early days of the primary mission.

Rescan.- There are three different conditions which can result in rescan (R) as follows:

(1) Rescan command bit: A rescan command bit can be set for a camera event; this results in the camera rescanning at the stop azimuth for a time (RESCAN.DT), determined by a command stored in the data base of the lander's on-board computer. Six such camera events were executed on VL-1 and eight on VL-2. These were all rescan lines since the start azimuth equaled the stop azimuth. All were visual color triplets taken at the low scan rate and buffered in the data storage memory (DSM) before storage on the tape recorder.

Such CE's are identified by the appearance of the word RESCAN (or R) in their parameter entries.

(2) RTI camera events: If the event duration listed in the spacecraft real-time imaging tables is longer than the time required to scan the commanded azimuth range, the extra time is consumed in rescanning of the last azimuth position. This type of rescanning was associated with 28 CE's on VL-1 and 40 CE's on VL-2. In 15 of these, only a few rescan lines (<15) were acquired. Most were in the range of 25 to 100 rescan lines (only 8 had more than 100 rescan lines).

(3) Recorded camera events: For the recorded CE's, rescanning was used in connection with the assignment of an extra time allocation in recorded imagery to allow for the tape recorder run up and reversal. This generally resulted in less than 12 rescan lines. There were 187 such occurrences on VL-1 and 269 on VL-2. Most photographic products list the first camera scan line which represents a rescan line and the total number of such rescan lines. The total is calculated by subtracting the line number of the first rescan line from the last rescan line and adding one. This step uses the designated line numbers returned with the data. Transmission errors may have reduced the actual amount of data received in some cases.

Data Receipt Parameters

The parameters given in this section relate to the receipt, storage, and film conversion of the image data. The parameter data in these categories are separately indicated for each member of a triplet camera event. These parameters appear in the VL-1 and VL-2 parameter lists, on the photographic products, and in the magnetic tape label records.

Data record.- The final image data may come from either the system data record, the intermediate system data record, or a composite (COMP) of the two. An entry is made under data record to reflect this source.

Data link.- Some photographic products list (under data link) the processing stage, or path, of an image during the development of the EDR data base. This is specified as "RAWEDR" for the final EDR versions of the images.

Scan lines.- The total number of vertical scan lines stored in the data system is listed under the heading SCAN LINES or LINES TOTAL. It is determined by dividing the commanded azimuth range by the step size and then adding the total number of rescan lines.

Missing lines and gaps.- Camera scan lines not received due to transmission errors appear as black lines in positive photographic products (Pixel value = 0). The total number of missing lines and the number of image gaps they cause are listed on some photographic products.

Average data number value.- The average data number value (AVE DATA VALUE) is the arithmetic mean of the digital value of all received pixels for an image.

Standard deviation.- The standard deviation entry is the standard deviation (STAND DEV) of the distribution of digital values of all received pixels for an image.

EDR tape and file number.- The identification number of the VICAR format magnetic tape containing the EDR data for each image is specified on most photographic products. The data file position is included with it. In some cases EDR tape and file number (EDR TAPE/FILE) identification is referred to as the VICAR tape and file number.

Segment.- Many images have been divided into segments (SEG) to facilitate film conversion. (See section "127-mm (5-in.) Photographic Products.") In certain contexts the entire image may be called a segment, such as for small images not requiring division for film conversion.

Segment azimuth elevation and step size.- The segment azimuth elevation and step size (SEGMENT AZ/EL/STEP SIZE) entry indicates the azimuth and elevation of the upper left corner of a segment of an image (or the entire image if unsegmented). The azimuth is expressed in degrees in the CACCS. Elevation is measured relative to the camera's horizontal (perpendicular to the azimuth axis). Negative values indicate below the horizontal; positive, above. This elevation value incorporates the $\pm 5.6^\circ$ shift for nonnominal commands. The step size is either 0.04° or 0.12° .

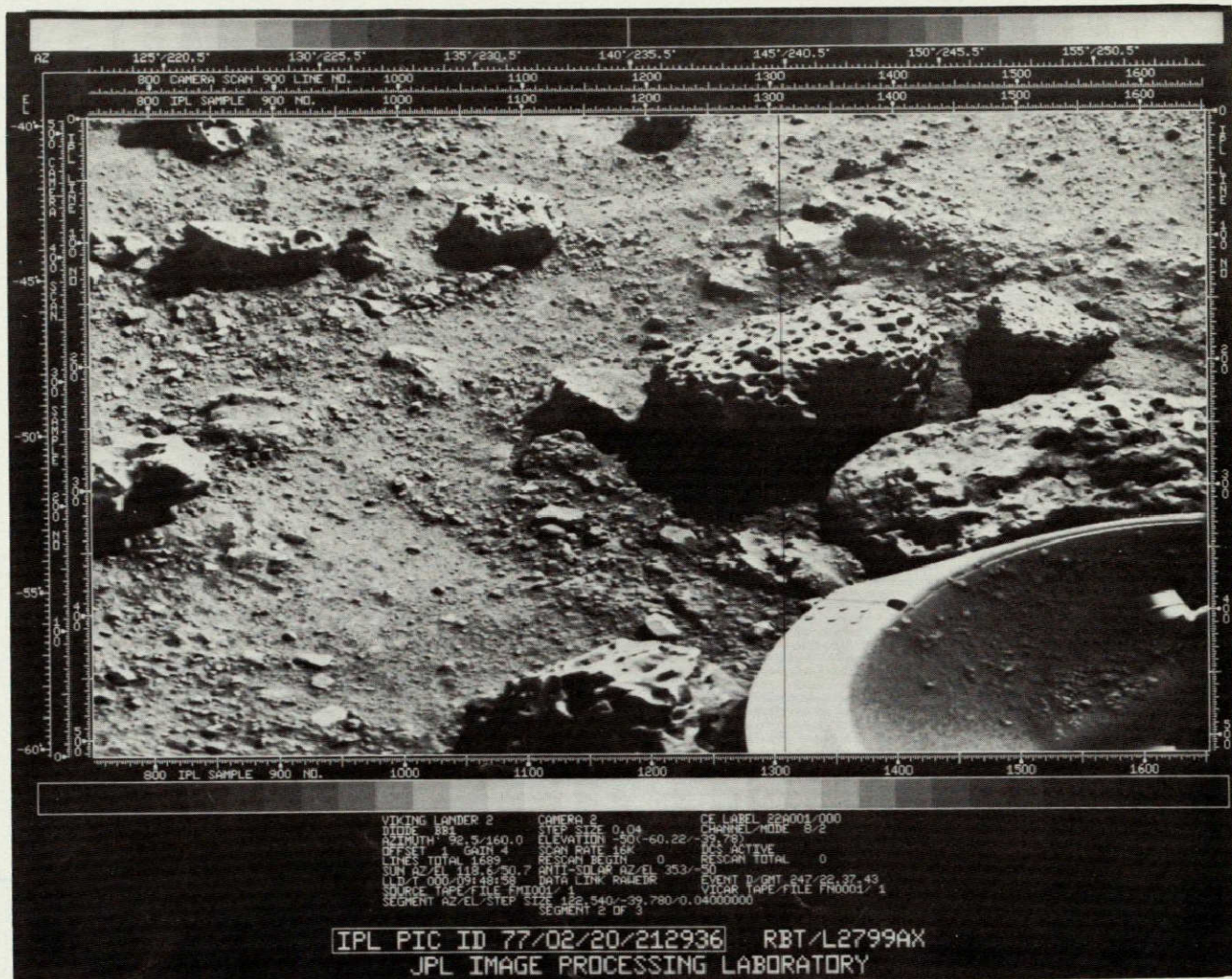
Image Processing Laboratory picture identifier.- The Image Processing Laboratory picture (photograph) identifier (IPL PIC ID) is a 15-character date-related descriptor which uniquely identifies a photographic product processed at the JPL Image Processing Laboratory. It contains four subfields which are separated by slashes: year, month, day of month, and time of day. Where an image has been subdivided to facilitate film conversion each segment has its own IPL PIC ID.

Photographic Product Fiducial Annotation

There are three types of fiducial scales which identify the pixel positions on the EDR photographic products. (See fig. 6.)

The innermost set (closest to the image) is called the IPL line number in the vertical direction and the IPL sample number in the horizontal direction. The scale exists on all four sides of the image. The pixel in the upper left corner (of segment one) has the coordinate 1,1. The IPL line number increases (1 to 512) in the downward direction and the IPL sample number increases from left to right. The fiducial separations denote increments of two.

The second (middle) fiducial scale is identified as the camera scan sample number in the vertical direction and the camera scan line number in the horizontal direction. The camera scan sample number has an origin of 0 at the bottom and increases upward to 511 at the top of the image. The camera scan line number increases from left to right. The fiducial separation denotes increments of two. This scale only appears at the left side and at the top of the image.



L-77-312

Figure 6.- EDR photographic product format.

The outermost fiducial scale denotes azimuth in the horizontal direction and elevation in the vertical direction. The elevation is expressed in degrees, where 0° is perpendicular to the camera azimuth axis. The elevation scale on nonnominal mode images is properly adjusted for the vertical displacement associated with such images. Two azimuth identifiers are given for the horizontal scale; the first references the CACCS, the second references the LACCS. (See section "Coordinate Systems.") The two values are separated by a slash (/) and increase from left to right. The fiducial separation is 0.2° on images of 0.04° step size and 0.5° on images of 0.12° step size. This scale appears only at the left side of the image and at the top of the image.

The horizontal scales, IPL sample number and camera scan line number, increase across the photographic product segment boundaries of segmented images. This can be seen in figure 6 which is the second of three picture segments and begins at IPL sample number 752.

EXPERIMENT DATA RECORD PROCESSING AND PHOTOGRAPHIC PRODUCTS

The experiment data record contains all imaging data received from Lander 1 and Lander 2 during the primary mission (the period from the touchdown of Lander 1 until transmission was halted by solar conjunction). The data base described in the section "Data Base Development" forms the input to the EDR processing.

The media for the distribution of this EDR are as follows:

127-mm (5-in.) strip contact prints
Magnetic tape
102- by 152-mm (4- by 6-in.) microfiche cards

CAMERA EVENTS

VL-1 Camera Events

During the primary mission, VL-1 was commanded to perform 454 camera events. Of these events, 123 resulted in image triplets (visual color and IR); therefore, the number of commanded images was 700. Three camera events were lost during transmission (two singlets and a triplet) because of RT/SB link time limitations; thus, 695 VL-1 EDR images resulted from 451 camera events.

VL-2 Camera Events

VL-2 was commanded to perform 582 camera events of which 150 were image triplets; therefore, a total of 882 commanded images resulted. Eight singlets were lost due to a RT/UHF problem late in mission 2; thus, the total number of images was 874 from 574 camera events for VL-2. Table 3 presents a summary of the camera events by event type and the number of events with a significant amount of rescanning. The camera can rescan at the stop azimuth of a camera event in both real-time and recorded modes. In recorded images, rescan was done in 14 CE's which were entirely rescan lines using color mode at the slow (250 bps) scan rate. Many other recorded images had small amounts (<15 lines) of rescan resulting from a strategy related to tape recorder performance.

CAMERA EVENTS NOT RECEIVED ON EARTH

The primary mission camera events not received on Earth are given in table 4. All entries related to these CE's have been deleted from the EDR and related listings. They are the only camera events of the primary mission phase which are not stored on the set of EDR tapes, referenced in the parameter listings, or shown in the image displays.

TABLE 3.- CAMERA EVENTS

Camera event (by event type)	Step size (a)	VL-1				VL-2			
		Primary		Extended (b)		Primary		Extended (b)	
		CE	Lines	CE	Lines	CE	Lines	CE	Lines
High resolution Survey ^c	0.04	188	175.6 × 10 ³	74	49.7 × 10 ³	240	210.9 × 10 ³	84	36.3 × 10 ³
Color ^d	.12	44	17.3	0	0	63	23.5	0	0
IR ^d	.12	74	41.9	31	17.7	100	91.4	21	22.0
Color/IR singlets ^e	.12	48	24.6	19	13.5	50	41.7	1	1.5
Sun ^f	.12	33	16.2	7	.4	70	59.5	29	9.4
Calibration	---	20	3.9	32	2.0	29	3.5	33	2.0
Scan verification ^g	.12	25	1.5	13	.7	22	1.3	11	.6
		19	.8	7	.3	0	0	2	.1
Total		451	281.8 × 10 ³	183	84.3 × 10 ³	574	431.8 × 10 ³	181	71.9 × 10 ³
Real-time rescan: <25 lines		11	65			9	66		
≥25 lines		<u>17</u>	<u>1349</u>			<u>31</u>	<u>3184</u>		
Total		28	1414			40	3250		

^aHigh-resolution diodes sampled at 0.12° step size results in 5.6° camera elevation pointing shift; low-resolution diodes sampled at 0.04° step size results in -5.6° elevation pointing shift.

^bExtended mission refers to the period from conjunction to March 1, 1977.

^cFive survey CE's were recorded at 0.04° step size. See footnote a.

^dThe line totals for color and IR triplet CE's are given in the number of "single diode" lines scanned.

^eMany of these color and IR (singlet mode) CE's were recorded at 0.04° step size. See footnote a.

^fOnly two of the Sun CE's were recorded at 0.12° step size, all others were recorded at 0.04° (nonnominal). See footnote a.

^gThe scan verification CE's are images of a light source in the camera post assembly using a high-resolution diode at 0.12° step size.

TABLE 4.- CAMERA EVENTS NOT RECEIVED ON EARTH

Camera event	Diode	Data path
VL-1		
12A015/002	BB4	RT/UHF
11A020/003	CLR	RT/UHF (triplet)
12A082/012	BB1	RT/UHF
VL-2		
22B084/040	SUR	RT/SB
21B097/042	SUR	RT/SB
21B110/044	SUR	RT/SB
21B125/046	SUR	RT/SB
21B150/048	SUR	RT/SB
21B189/050	SUR	RT/SB
21B218/052	SUR	RT/SB
21B237/054	SUR	RT/SB

127-mm (5-in.) PHOTOGRAPHIC PRODUCTS

The EDR images for VL-1 and VL-2 have been transferred from digital data to 127-mm (5-in.) film. Strip contact prints, positive transparencies, and a duplicate negative are made from the original negative. Because of size limitations imposed by the film conversion equipment, many of the images had to be segmented when converted to film. Thus, the 695 images returned by VL-1 resulted in 845 photographic products. The 874 images of VL-2 resulted in 1118 photographic products.

The photographic products have a maximum of 901 data points in the horizontal direction. Where images are more than 901 pixels-wide they are segmented such that there is a minimum of 150 pixels of overlap. No segment is less than 350 pixels. Any image less than 350 pixels in width is centered in an area of that width. All images are 512 pixels high. Annotation, fiducial marks, and other identifications add to the size of the images.

A segment of size 901 pixels by 512 pixels results in an image area of 99 mm by 56 mm. Such a photographic product has an overall size of 108 mm by 80 mm. The pixel size is 0.11 mm.

The image data are operated upon to provide a contrast-enhanced image which will maximize the use of the grey scale of the photographic products. However, no digital filtering, geometric correction, or radiometric normalization has been applied.

MAGNETIC TAPE STORAGE

The 695 images from VL-1 are stored on 23 9-channel industry compatible digital magnetic tapes. The 874 images of VL-2 require 30 tapes. Care has been taken to insure that the data acquired on a given sol have not been divided across tapes except in a few cases where more data were gathered on a given sol than could be stored on one tape. The tape numbers for the EDR data are given in tables 5 and 6. The range of camera event identifiers is also listed for each tape. For those camera events that are triplets, the images are stored on tape in red, green, blue or IR3, IR2, IR1 order. This is the order in which the successive scan lines are acquired. Although the triplet images were acquired in an interleaved manner, they are stored on the tapes as three separate images.

Each horizontal line of the pixels is stored as a record on magnetic tape. Each image file on the tape consists of a series of label records followed by 512 records of pixel information.

TABLE 5.- VL-1 EDR TAPE SUMMARY

Tape number	First camera event	Last camera event	Amount of tape used	
			m	ft
DN0001	12A001/000	12A016/002	381	1250
DN0002	12A016/003	11A037/005	451	1480
DN0003	11A038/006	11A067/008	576	1890
DN0004	12A068/009	11A086/012	454	1490
DN0005	11A087/013	11A115/019	433	1420
DN0006	12A116/020	11A128/021	378	1240
DN0007	11A129/022	11A144/025	482	1580
DN0008	12A145/026	12A165/027	558	1830
DN0009	11A166/028	12A177/028	326	1070
DN0010	12A178/029	11A201/029	485	1590
DN0011	11A202/029	11A218/029	500	1640
DN0012	11A219/029	12A235/029	503	1650
DN0013	12A236/030	12A252/031	457	1500
DN0014	11A253/032	12B017/033	354	1160
DN0015	11B018/034	11B037/034	485	1590
DN0016	12B038/035	11B059/036	594	1950
DN0017	12B060/037	11B073/039	454	1490
DN0018	12B074/040	12B087/040	335	1100
DN0019	11B088/040	11B099/040	396	1300
DN0020	11B100/041	11B120/042	524	1720
DN0021	11B121/043	11B145/060	604	1980
DN0022	12B146/061	11B170/080	600	1970
DN0023	12B171/081	12B198/102	604	1980

TABLE 6.- VL-2 EDR TAPE SUMMARY

Tape number	First camera event	Last camera event	Amount of tape used	
			m	ft
FN0001	22A001/000	22A018/002	546	1790
FN0002	22A019/003	22A037/005	509	1670
FN0003	22A038/006	21A069/009	625	2050
FN0004	22A070/010	22A087/012	543	1780
FN0005	22A088/013	22A104/014	479	1570
FN0006	22A105/015	21A128/017	607	1990
FN0007	21A129/018	21A151/020	619	2030
FN0008	21A152/021	22A163/021	444	1456
FN0009	21A164/022	21A173/022	308	1010
FN0010	21A174/023	22A192/023	649	2130
FN0011	21A193/024	21A197/024	163	535
FN0012	21A198/025	21A216/025	619	2030
FN0013	21A217/026	21A232/028	482	1580
FN0014	22A233/029	22A255/030	460	1510
FN0015	22B000/031	21B022/033	686	2250
FN0016	22B023/034	22B038/035	442	1450
FN0017	21B039/036	21B060/038	637	2090
FN0018	22B061/039	22B077/039	530	1740
FN0019	22B078/040	22B101/042	607	1990
FN0020	22B102/043	21B124/045	570	1870
FN0021	21B126/046	22B147/047	610	2000
FN0022	21B148/048	22B179/048	515	1690
FN0023	22B180/049	21B195/050	475	1560
FN0024	22B196/051	22B215/051	448	1470
FN0025	21B216/052	21B229/053	438	1437
FN0026	22B230/054	21B247/054	451	1480
FN0027	21B248/054	21C004/054	396	1300
FN0028	22C005/055	22C032/056	588	1930
FN0029	22C033/057	21C050/057	421	1380
FN0030	22C051/058	21C070/061	631	2070

Label Records

The magnetic-tape label records are a series of records at the beginning of each image file on magnetic tape which contain parameter information for the associated image. The length, in characters, of the physical label records is equal to the number of pixels in a horizontal image line or 360, whichever is greater. Each physical label record can be thought of as five logical records of 72 characters with the remaining character positions blank when the image size is greater than 360. Each logical record represents one line of text data as shown in figure 7. The number of lines of label information is variable. If an image is the result of a merging operation, this is indicated by the entry "MERGEVL" on a separate text line. If an image has vertical scan lines missing, the gaps are noted in the following manner: The notation "MISSING LINE GAPS (FIRST-LAST)" appears followed by up to three number pairs indicating the extent of the gaps. (See top part of fig. 7.) If more than three gaps

		CHARACTER POSITION								
		10	20	30	40	50	60	70		
TEXT LINE	1	:	:	1	1	5121439	I	1	SC	PHYSICAL RECORD
		VIKING LANDER 1	CAMERA 2			CE LABEL 12A001/000			C	
		DIODE BB1	STEP SIZE 0.04			CHANNEL/MODE 8/2			C	1
		AZIMUTH 102.5/160.0	ELEVATION -50(-60.22/-39.78)						C	
		OFFSET 1 GAIN 4	SCAN RATE 16K			DCS ACTIVE			C	
	6	DATA RATE 4000	PSA TEMP 16C(39)			DATA PATH RT/UH			AC	
		LINES TOTAL 1439	RESCAN BEGIN 0			RESCAN TOTAL 0			C	
		SUN AZ/EL 284.9/38.7	ANTI-SOLAR AZ/EL 49/-38						C	2
		LLD/T 000/16:13:21	DATA LINK RAWEDR			EVENT D/GMT 202/11.53.15			C	
		AVE DN VALUE 56.34	STAND DEV 19.27			RANGE 20 TO 240			AC	
	11	MISSING LINES 1	GAPS 1			PERCENT MISSING 0.06			AC	
		SOURCE TAPE/FILE COMPOSITE				VICAR TAPE/FILE VLA136/ 1			AC	
		MISSING LINE GAPS (FIRST-LAST)	1438-1438						AC	3
		SEGMENT AZ/EL/STEP SIZE	102.500/-39.780/0.04000000						C	
		MERGEVL							1HL	

		CHARACTER POSITION									
		10	20	30	40	50	60	70			
TEXT LINE	1	:	:	1	1	512	60	I	1	SC	PHYSICAL RECORD
		VIKING LANDER 1	CAMERA 2			CE LABEL 12A007/001			C		
		DIODE UNO7/CAL3	STEP SIZE 0.			CHANNEL/MODE 7/7			C	1	
		AZIMUTH 170.0/170.0	ELEVATION 0(-30.66/30.66)						C		
		OFFSET 1 GAIN 2	SCAN RATE 16K			DCS ACTIVE			C		
	6	DATA RATE 4000	PSA TEMP 10C(36)			DATA PATH REC/UH			AC		
		LINES TOTAL 60	RESCAN BEGIN 0			RESCAN TOTAL 0			C		
		SUN AZ/EL /	ANTI-SOLAR AZ/EL /						C	2	
		LLD/T 001/12:48:00	DATA LINK RAWEDR			EVENT D/GMT 203/09.07.29			C		
		AVE DN VALUE 0.00	STAND DEV 0.00			RANGE 20 TO 240			AC		
	11	MISSING LINES 0	GAPS 0			PERCENT MISSING 0.00			AC		
		SOURCE TAPE/FILE DFIO06/ 7				VICAR TAPE/FILE VLA227/ 1			AC		
		UNO7UNO7UNO7UNO7	IR1 IR1 IR1 IR1	RED RED RED RED	RED RED RED RED	BB3 BB3 BB3 BB3			AC	3	
		BB4 BB4 BB4 BB4	IR3 IR3 IR3 IR3	BLU BLU BLU BLU	BLUSURVSURVSURVSURV				AC		
		UNO6UNO6UNO6UNO6	IR2 IR2 IR2 IR2	GRN GRN GRN GRN	GRNUN12UN12UN12UN12				AC		
	16	SUN SUN SUN SUN	BB1 BB1 BB1 BB1	BB2 BB2 BB2 BB2					AL	4	

Figure 7.- VICAR label format.

exist the additional number pairs are indicated on subsequent text lines (6 pairs per text line). Calibration images list the diode used in each calibration scan as seen in the bottom part of figure 7. Where the number of label lines is not a multiple of five, the extra logical record positions are left blank. Note that the last character position (72) in each line contains a C (Continuation) for all lines except the final line which contains an L. Some lines contain the characters S, A, or H in position 71. These lines do not appear in the picture format seen on the 127-mm (5-in.) photographic products and microfiche.

The first line shown in the top part of figure 7 is flagged with an S in character position 71. It is called the VICAR system label and contains the vertical size (in pixels) of the image (512) in character positions 33 to 36, and the horizontal size of the image in positions 37 to 40. The I 1 appearing in positions 42 and 44, respectively, indicates that the data are single byte (8 bits) integer data. All characters are represented in the extended binary coded decimal interchange code (EBCDIC).

Pixel Data Records

The length of the image records is equal to the number of pixels in a horizontal image line. The image data have been changed from a 6-bit format to an 8-bit format by shifting the bits of each pixel two binary positions to the left and zero-filling the two rightmost bit positions. No operations have been applied to the tape data such as contrast enhancement, geometric correction, or radiometric correction.

MICROFICHE

All EDR images are distributed on 102- by 152-mm (4- by 6-in.) microfiche cards. Each card is capable of holding 60 image segments. The card contains 5 rows of 12 windows each. The segments of an image are positioned such that all its members appear together on a row. Thus, there may be unused window locations at the right end of the rows. The microfiche are produced by reducing the linear dimension of the image on a duplicate positive by a factor of about 10. The resulting image is about 11 mm wide by 8 mm high. This is placed in the upper half of an 11- by 16-mm window on the microfiche.

Microfiche viewing equipment commonly provides for magnification factors of 17, 21, or 24 resulting in an image about twice the size of the original strip contact photographic product.

LABELING

Most elements of the labels on EDR products are described in the section "Imaging Experiment Coordinate Systems, Terminology, and Labeling." One additional field exists, the source tape and file. It indicates where the corresponding SDR or ISDR data are stored. This data record is not distributed. The

field contains the word COMPOSITE when two data sources were merged to produce an EDR image. (See the section "Data Base Development.")

PHOTOGRAPHIC PRODUCT PROCUREMENT

The EDR photographic products are available from the National Space Science Data Center, Code 601.4, Goddard Space Flight Center, Greenbelt, Maryland 20771. An order form is included at the back of this report.

The primary identifier for the requisition of these photographic products is the Image Processing Laboratory picture identification. This identification and the project name (Viking) must be supplied when placing orders. The section "Selection of Camera Event Parameter Lists" describes the listings in VL-1 and VL-2 EDR's which cross-reference the camera event labels to IPL PIC ID's. Additional descriptive material may be helpful in indicating the item requested, such as the camera event label and the specification "Viking Lander EDR."

TEAM DATA RECORD

In addition to the VL-1 and VL-2 experiment data record which appears in the last two main sections of this report as the complete and primary record of the data, a team data record (TDR) of 127-mm (5-in.) photographic products also exists. (See ref. 4.) The TDR consists of those camera events from the EDR thought to be of most general interest. It excludes such things as specialized photometric series, calibration and scan verification events, and Sun imagery. The processing parameters for the camera events in the TDR have been individually chosen to create photographic products of the highest scientific quality. An asterisk following the diode code in the VL-1 and VL-2 camera event reports identifies those images for which a TDR version exists. For a given camera event, the TDR is, in general, segmented differently from the EDR. Therefore there is not a one-to-one correspondence in the scene coverage for the respective photographic products.

SELECTION OF CAMERA EVENT PARAMETER LISTS

The computer-generated CE parameter lists described in this section provide a detailed description of the conditions under which the camera event data were acquired, the completeness of the receipt of the data on Earth, and their storage location on photographic products and magnetic tape.

The data fields are primarily those described in the section "Imaging Experiment Coordinate Systems, Terminology, and Labeling." There is a comprehensive parameter list for each spacecraft and a selection of other lists which present only a limited amount of information but divide the camera events into a variety of classes and sequences. All camera events appear in camera-event order except those described in (2) and (3) in subset lists and IPL picture identifiers.

CAMERA EVENT REPORTS

The camera event reports are comprehensive presentations of the parameters for the camera events. The reports are presented with multiple-line item entries for each camera event, blocked in a manner to maximize readability. The primary line for each CE describes the time the camera event was executed, the camera command information, and the lighting conditions. This is followed by either one line (for singlets) or three lines (for triplets) of information about the image data stored for the CE. This line (or lines) is identified by the diode and indicates the number of data lines in the image, the completeness of it, pixel statistics, and information about its storage on magnetic tape and photographic products. The diode indicator is followed by an asterisk if the image has been used in the generation of the TDR. These parameters are followed by a short narrative description indicating the mission goal of the CE or its scene content, or both. The comments represent "scratch pad" type of entries and are not intended as a complete guide to the image contents. Comments attached to the early camera events generally characterize the landing sites.

SUBSET LISTS

There are 10 parameter subset lists which separate the camera events by diode, local lander time of the CE's, or other special classifications. These subsets are as follows:

(1) The "high-resolution camera events in event order" subset contains all broadband diode (BB1, BB2, BB3, BB4) CE's taken at the normal 0.04° step size.

(2) The "high-resolution camera events sorted by time of day" subset groups the high-resolution images according to the hour of the sol during which they were acquired.

(3) The "high-resolution camera events sorted by elevation and start azimuth for segments of the day" subset provides for reviewing the high-resolution CE's based on their scene coverage and lighting conditions. The camera events of each camera are divided into four groups according to the time of day of the event: 0 to 1000, 1001 to 1400, 1401 to 1600, 1601 to 2439. Within these groups, they are sorted by elevation pointing angle (center) and by start azimuth within elevation pointing angle.

(4) The "survey camera events" subset contains all CE's which were acquired by using the survey diode at 0.12° step size.

(5) The "visual color triplet camera events" subset shows all CE's using the three visual color diodes (RED, GRN, BLU) in triplet scan mode.

(6) The "infrared triplet camera events" subset is similar to those listed in (5) and contains all CE's using the three infrared diodes (IR3, IR2, IR1) in triplet scan mode.

(7) The "visual and IR singlet camera events" subset identifies all CE's acquired using any of the six diodes: RED, GRN, BLU, IR3, IR2, IR1 in singlet mode (MODE = 3) with a step size of 0.12° or 0.04° (nonnominal).

(8) The "Sun imagery camera events" subset identifies all images using the Sun diode. Note that this subset contains both nominal (0.12° step size) and nonnominal (0.04° step size) images. Most Sun imagery is done by using non-nominal commands.

(9) The "calibration and scan verification camera events" subset contains all calibration mode camera events and all scan verification camera events (BB1 at 0.12° step size) as described in the section "Photosensing and Data Acquisition."

(10) The "rescanning camera events" subset contains those camera events which contained 15 or more rescan lines.

IPL PICTURE IDENTIFIERS (EDR ORDER NUMBERS)

The lists of IPL picture (photograph) identifiers show the identification numbers for the experiment data record picture segments. These numbers are those to be used when requesting EDR photographic products from the National Space Science Data Center.

The photographic products for each diode image of triplet camera events are separately identified. Several IPL PIC ID's are listed for those images which have been segmented to facilitate film conversion.

ELEVATION COVERAGE CHARTS

The elevation coverage charts show the azimuth extent of camera events which have commanded vertical scans passing through 10° intervals of elevation. The elevation subgroups (40° to 30° , 30° to 20° , . . . , -50° to -60°) appear in high to low elevation order. There are separate charts for each camera. The entries are in camera-event order within each subgroup. Each entry lists the CE label, the LLT, and the diode type. The azimuth is shown in the CACCS system with the fiducial annotation appearing as it does on the CACCS scale of the skyline drawings. (See next section.)

SKYLINE DRAWINGS

The skyline drawings show image outlines on a rectilinear grid whose horizontal axis represents the azimuth of the camera scanning system and the vertical axis represents the elevation. The lander components are shown as they appear viewed from each camera.

The azimuth values indicated through the center of each camera view reference the CACCS. Azimuth values appearing above and below each camera view

reference the LACCS. It is important to note that these coordinate systems reference the camera axes of rotation which are tilted relative to the local gravity vector. (See figs. 5(c) and 5(d).) The N located at the top edge of each camera view indicates the direction of north for the 0° elevation position.

The diagram presented in figure 8 provides another view of the lander components which appear in the skyline drawings. Figure 8 shows the surface sampler boom in an extended position rather than the stored position (with the protective shroud in place) as seen in the skyline drawings. The S-band high-gain antenna shown in figure 8 is also oriented differently from that in the skyline drawings.

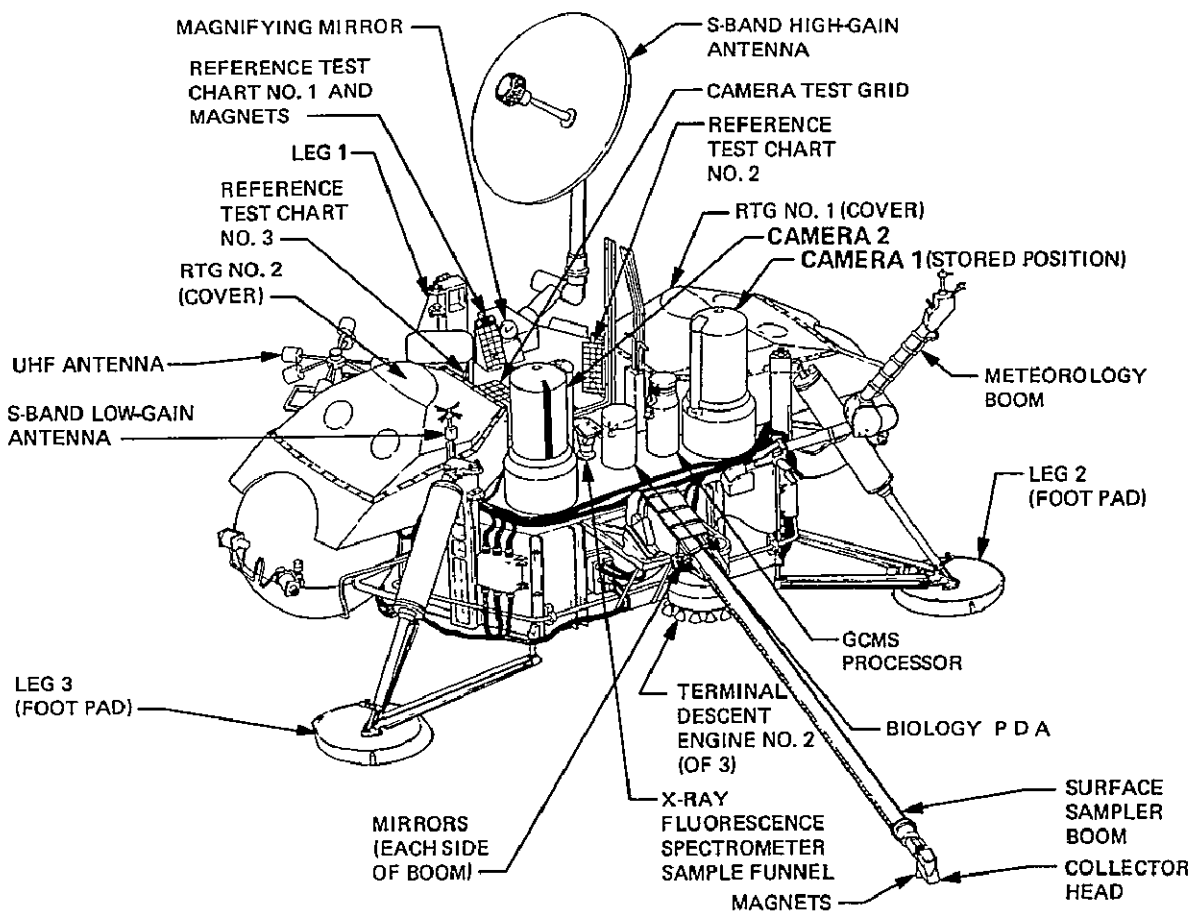


Figure 8.- Major lander components.

In most cases each pair of camera views show the camera events executed on one sol. In some cases more than one pair of views are used for a sol to avoid confusion when a large number of events were executed on one sol. Events executed during a period of several days appear together on drawings for the later (after sol 44) part of the VL-1 mission where the data return was reduced to accommodate VL-2.

VIKING LANDER EXPERIMENT DATA RECORD IMAGES FOR PRIMARY MISSION

The image displays present the images in the order in which they were acquired by each spacecraft. Each page contains eight display windows. These windows may include two or three EDR images; where segments of two successive camera events are small enough to be positioned as pairs in a window, this is done. Three images appear in a window only when they are image triplets and are sufficiently small. The images are combined in the windows only for the purpose of saving space in this report. The first and last camera events (or partial camera events) appearing on a page are indicated in the title at the top of the page.

The photographic quality of the original EDR images is significantly reduced because of the limitations of space and the halftone printing process. The need to reproduce several images on each page further reduces the opportunity to maximize the reproduction quality.

VIKING LANDER 1 EXPERIMENT DATA RECORD

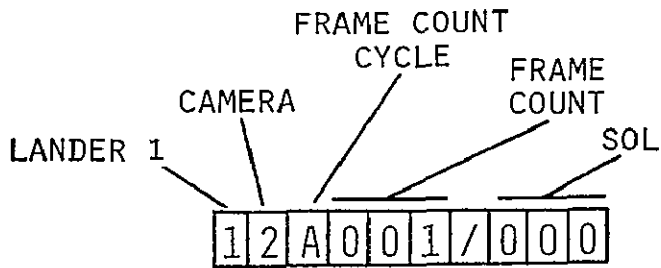
VIKING LANDER 1 EXPERIMENT DATA RECORD

This section contains the parameter lists, the skyline drawings, and the images for Viking Lander 1.

VL-1 PARAMETER LISTS

VL-1 PARAMETER LISTS

The organization of the VL-1 parameter lists which appear in this section is described in the section "Selection of Camera Event Parameter Lists," and each parameter has been explained previously. In all lists, the parameter entries for each camera event are preceded by the camera event label. The format of this label is shown in figure 9.



VL-1 SOL 000 = JULY 20, 1976

Figure 9.- Format of VL-1 camera event label.

VL-1 CAMERA EVENT REPORT

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
		DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS					
12A001/000	16:13 21	SINGLE	102 5/160 0	-50 .04	8/2	1 4	RT/UH	16K	16	284 9/38.7	49/-38	202/11.53.15	05:07.0	
		BB1 * COMP	1438 0 0	1	1	56.34	19 27	DN0001/01	2					
		FIRST LANDER PICTURE, POORLY SORTED, PITTED, FLUTED, FACETED GRAVEL ON AND IN FINE SUBSTRATE, SHARP ELONGATE DEPRESSIONS MAY HAVE FORMED BY IMPACT OF PARTICLES MOVED BY DESCENT ENGINE BLAST. DARKER MATERIAL IN DEPRESSIONS VERTICAL LINES AT LEFT INTERPRETED TO RECORD SETTLING DUST.												
12A002/000	16 19:04	SINGLE	10 0/310.0	-10 .12	14/3	1 4	RT/UH	16K	18	285 2/37.0	50/-37	202/11 58.58	08:52.0	
		SURV * COMP	2501 0 0	0	0	90.32	43.59	DN0001/02	4					
		FIRST SURVEY PANORAMA. NUMEROUS BLOCKS FROM NEAR FIELD TO HORIZON. LOW DRIFTS OR DUNES. MANY ROCKS SHOW COMPLEX FRACTURING WIND SCOUR DEPRESSIONS AROUND SOME BLOCKS, SHALLOW DEPRESSION SEEN OVER STROKE GAUGE												
12A003/001	07:47.59	SINGLE	80 0/140 0	-30 .04	0/2	1 4	REC/UH	16K	-10	73 2/30.0	197/-30	203/04 07:28	05:21.2	
		BB2 * COMP	1502 1501 1	0	0	65.69	23.15	DN0001/03	2					
		FIRST HIGH RES OF SAMPLE SITE, GRAVEL PATCHES, SHARP ELONGATE DEPRESSIONS FROM PARTICLES THROWN UP BY LANDING. WIND TAILS												
12A004/001	10 36 27	SINGLE	132 5/150.0	-30 .12	14/3	1 4	RT/SB	250	0	78.5/66.6	203/-66	203/06 55:56	43:27.0	
		SURV * COMP	189 147 43	1	1	114.28	28 99	DN0001/04	1					
		POSSIBLE OUTCROP OF LOWER ALBEDO ROCK BELOW HORIZON 43 LINES OF RESCAN REVEAL NO MOTION IN SCENE.												
12A005/001	12 35 59	SINGLE	305 0/310.0	-10 .12	14/3	1 4	REC/UH	16K	8	306 7/85.6	71/-85	203/08 55:28	00:10.1	
		SURV COMP	41 0 0	2	1	117.26	58 95	DN0001/05	1					
		RADIOMETRIC CALIBRATION PICTURE OF RTC2. LIMITED VIEW OF FAR FIELD												
12A006/001	12.41.59	COLOR	80 0/147 5	-20 .12	1/1	1 5	REC/UH	16K	8	299 0/84.4	63/-84	203/09.01.28	06:01.2 D	
		BLU * COMP	563 0 0	1	1	56.87	22.85	DN0001/06	1					
		GRN * COMP	562 0 0	2	1	58.93	19.48	DN0001/07	1					
		RED * COMP	562 0 0	2	1	69.89	16 04	DN0001/08	1					
		FIRST COLOR PICTURE, INCLUDES SAMPLE SITE. LOWER ALBEDO OUTCROP IN FAR FIELD. LARGE BLOCKS ON HORIZON.												
12A007/001	12:48 00	SINGLE	170 0/170 0	0	7/7	1 2	REC/UH	16K	10	/	/	203/09-07.29	0:18.0	
		CAL SDR	60 0 0	0	0	.00	.00	DN0001/09	1					
		CALIBRATION FRAME												
12A008/001	14 44 59	COLOR	305 0/310.0	-10 .12	1/1	1 5	REC/UH	16K	10	281.7/57.5	46/-57	203/11.04.28	00:27.9	
		BLU ISDR	12 0000 0	2	1	89 51	43.85	DN0001/10	1					
		GRN ISDR	12 0000 0	2	1	88 20	44.56	DN0001/11	1					
		RED SDR	12 0000 0	2	1	75.40	27 57	DN0001/12	1					
		SAME AS 12A005 BUT RTC2 IS IN SUNLIGHT												
12A009/001	15:50.28	SINGLE	80 0/160.0	-50 .04	8/2	1 4	RT/UH	16K	12	283.8/43.3	48/-43	203/12:09.57	06:35.5	
		BB1 * ISDR	1853 0 0	148	1	76.65	31 03	DN0001/13	3					
		USABLE PART OF IMAGE EXTENDS FROM 95 TO 154 DEG CACCS. INCLUDES SAME AREA AS 12A001.												
12A010/002	07:18 00	SINGLE	65 0/155.0	-10 .04	5/2	1 4	REC/UH	16K	-15	71.7/23.7	195/-23	204/04 17:04	08:01.2	
		BB4 * COMP	2252 2251 1	0	0	60.58	26.97	DN0001/14	3					
		BLOCKY FIELD WITH SMALL ISOLATED SEDIMENT DRIFTS, OUTCROP OF HIGHER ALBEDO ROCK THAT APPEARS FRACTURED, WIND TAILS COMMON. HIGH RES OF SAMPLE SITE.												

VL-1 Camera Event Report

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA	SOLAR TEMP (C)	AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- RSCN TION /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A011/002	07:26	01	SINGLE 170.0/170.0 CAL SDR 60 CALIBRATION FRAME	0 0	0	7/7 0	1 0	2 REC/UH .00	16K .00	-13	/	/	204/04:25:05	0:18.0	
12A012/002	08:00	27	SINGLE 132.5/150.0 SURV * COMP 188 SAME AS 12A004	-30 147	.12 43	14/3 2	1 1	4 RT/SB 90.08	250 34.18	-12	74.2/32.8	197/-32	204/04:59:32	43:27.0	
12A013/002	10:29	50	SINGLE 117.5/155.0 BB1 * ISDR 942 MIRROR ON SURFACE SAMPLER IN UPPER LEFT IS LOOKING UNDER ENGINE, SOIL IN UPPER RIGHT WAS DISTURBED BY IMPACT OF SAMPLER SHROUD.	-50 939	.04 3	8/2 0	1 0	4 REC/UH 93.56	16K 29.61	0	79.8/65.5	204/-65	204/07:28:54	03:21.2	
12A014/002	13:06	00	SINGLE 295.0/305.0 BB1 ISDR 250 HI RES OF GRID ON LANDER TOP.	-30 0	.04 0	8/2 1	1 1	4 REC/UH 77.19	16K 57.85	4	283.6/79.5	45/-79	204/10:05:04	00:54.6 D	
12A016/003	09:10	27	SINGLE 125.0/132.5 BB1 * ISDR 195 VARIABLE FEATURES AREA NEAR FOOT PAD 3	-50 189	.04 6	8/2 0	1 0	4 RT/SB 87.82	250 29.66	-10	77.6/48.1	201/-48	205/06:49:07	44:27.0	
11A017/003	14:28	00	SINGLE 272.5/300.0 BB3 * ISDR 690 FIRST CAMERA 1 PICTURE, SAMPLE SITE	-20 689	.04 1	13/2 0	1 0	4 REC/UH 113.54	16K 24.95	2	280.4/61.5	219/-61	205/12:06:39	02:27.9	
11A018/003	14:32	00	SINGLE 10.0/310.0 SURV * COMP 2499 FIRST CAMERA 1 SURVEY PANORAMA. LOW DUNES OR DRIFTS, LARGE BOULDER IS 3M BY 1M HIGH AND 8M AWAY.	-10 0	.12 0	14/3 2	1 1	4 REC/UH 127.75	16K 50.33	6	280.5/60.6	219/-60	205/12:10:39	08:54.5	
11A019/003	14:40	54	SINGLE 170.0/170.0 CAL SDR 60 CALIBRATION	0 0	0	7/7 0	1 0	2 REC/UH .00	16K .00	6	/	/	205/12:19:33	0:18.0	
11A021/003	18:56	00	COLOR 57.5/ 57.5 BLU * SDR 57 GRN * SDR 57 RED SDR 57 TWILIGHT RESCAN IMAGE TO DETERMINE HEIGHT DEPENDENCE OF SIZE AND AMOUNT OF PARTICULATE MATERIAL IN THE ATMOSPHERE.	10 2 2 2	.12 57 57 57	1/1 1 1 1	1 1 1 1	5 REC/UH 102.86 97.25 84.44	250 55.00 53.75 52.10	2	295.4/ 4.0	234/-4	205/16:34:39	40:01.2 R	
11A022/004	07:11	59	SINGLE 235.0/277.5 BB1 * COMP 1065 FINE GRAINED MATERIAL OF DRIFT AT FOOTPAD 2 THE FOOTPAD SUNK INTO THE DRIFT AND BURIED AS FINE MATERIAL FLOWED OVER IT. THE MATERIAL IS SOMEWHAT COHESIVE FRACTURES FORMED AT THE SURFACE. SHARP DEPRESSIONS THAT RESEMBLE RABBIT TRACKS WERE PROBABLY MADE BY PARTICLES OR CLOUDS THROWN UP DURING DESCENT.	-50 1064	.04 1	8/2 0	1 0	4 REC/UH 45.11	16K 16.33	-17	71.4/22.5	11/-22	206/05:30:14	03:47.9	

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS				
11A023/004	07:23 59	SINGLE	270.0/305.0	-30 .04	0/2	1	4	REC/UH	16K	-15	72.1/25 0	12/-25	206/05:42:14	03:07.9
		BB2 * COMP	874	0 0	2	1	51.51	18.58			DN0002/09	1		
		ICL SAMPLE SITE. SMALL PATCHES APPEAR TO BE LAG GRAVEL DEPOSITS ON THE SURFACE. WIND TAILS ARE WELL SHOWN. SOME SMALL GROOVES AND DEPRESSIONS MAY HAVE BEEN PRODUCED ON LANDING. STEREO WITH 12A003.												
11A024/004	07:27 06	SINGLE	170 0/170.0	0 0	7/7	1	2	REC/UH	16K	-15	/	/	206/05:45:21	0 18.0
		CAL SDR	61	0 0	0	0	.00	.00			DN0002/10	1		
		CALIBRATION												
11A025/004	07:29 59	SINGLE	35.0/ 40.0	-20 .04	8/2	1	4	REC/UH	16K	-15	72.5/26.3	12/-26	206/05:48:14	00:27.9
		BB1 SDR	128	126 2	0	0	67.91	42.09			DN0002/11	1		
		HI RES PICTURE OF REFERENCE TEST CHART 3, THE CAMERA 1 CHART.												
12A026/004	09:00:27	SINGLE	132 5/150 0	-30 .12	14/3	1	4	RT/SB	250	-8	77 3/45 9	201/-45	206/07:18:42	43:27.0
		SURV * COMP	163	147 45	29	1	102.25	30.37			DN0002/12	1		
		SAME AS 12A004/001												
12A027/004	12:47 59	SINGLE	310.0/335.0	-30 .12	14/3	1	5	REC/UH	16K	4	288.9/83.4	53/-83	206/11:06:14	00:45.7 D
		SURV SDR	211	209 2	0	0	70.59	48.03			DN0002/13	1		
		VIEW OF LANDER TOP WITH PDA OF BIOLOGY AND XFRS. SOME BOULDERS SEEN ABOVE RTG1. PICTURE VERIFIES BIOLOGY PDA DEPLOYMENT.												
12A028/004	12:49 59	SINGLE	277.5/285.0	-10 .12	14/3	1	4	REC/UH	16K	4	288 0/82.9	55/-82	206/11:08:14	00:14.6
		SURV SDR	65	64 1	0	0	130 79	56.75			DN0002/14	1		
		LEG 1 STROKE GAUGE FOR LANDER TILT ESTIMATION.												
11A029/004	12:59:59	COLOR	275.0/307.5	-20 .12	1/1	1	5	REC/UH	16K	0	284.5/80.8	225/-80	206/11:18:14	02:54.6
		BLU * SDR	271	0 0	1	1	52.68	24 82			DN0002/15	1		
		GRN * SDR	271	0 0	1	1	62.01	23.36			DN0002/16	1		
		RED * SDR	270	0 0	2	1	70.41	18.67			DN0002/17	1		
		COLOR PICTURE POSSIBLE OUTCROP IN BACKGROUND												
11A030/004	15:45.16	SINGLE	260.0/340 0	-10 .04	13/2	1	4	RT/UH	16K	6	283.0/44.4	222/-44	206/14:03:31	06:35.5
		BB3 * COMP	1853	0 0	148	1	102 37	36.58			DN0002/18	0		
		BB3 ISDR	1851	0 0	150	2	102 37	36.58			DN0002/18	3		
		USABLE PART OF IMAGE BEGINS AT CACCS AZIMUTH OF ABOUT 310 SOME NOISY DATA BEGINS AT 293. PICTURE EXTENDS TO ABOUT CACCS AZIMUTH 359. VIEW OF POSSIBLE BEDROCK OUT TOWARD VW ROCK.												
12A031/005	08:10 27	SINGLE	125.0/132.5	-50 .04	8/2	1	4	RT/SB	250	-13	75.1/36.1	198/-32	207/07:08:17	44:27.0
		BB1 * ISDR	195	189 6	0	0	77.34	33.47			DN0002/19	1		
		LOOKING FOR CHANGES IN SCENE. SAME AS 12A016/002.												
11A032/005	10:46.41	SINGLE	277 5/302.5	0 .04	8/2	1	5	RT/SB	16K	-6	80.0/69.3	22/-66	207/09:44:31	02:14.6
		BB1 SDR	627	626 1	0	0	68.11	24.11			DN0002/20	1		
		SURFACE SAMPLER COLLECTOR HEAD WITH BACKHOE MAGNET ARRAY SEEN IN THE DIRECT VIEW, THAT IS, THE BACK OF THE ARRAY. TAKEN BEFORE SAMPLING. MARS NOT IN FOCUS.												

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS			
12A033/005	11:53:59	IR	77.5/130.0	-30 .12	9/1	1	4	REC/UH	16K	2	69.6/84.0	203/-81	207/10:51.49	04:41.2	
		IR3	ISDR 437	0 0	2	1		95.17	19.60		DN0002/21	1			
		IR2	ISDR 437	0 0	2	1		93.75	19.68		DN0002/22	1			
		IR1	ISDR 436	0 0	3	1		110.58	22.83		DN0002/23	1			
IR COLOR PICTURE, OVERLAPS WITH 12A006/001. 800M LATCH PIN ON SURFACE AT LOWER LEFT.															
12A034/005	11:58:40	SINGLE	170.0/170.0	0 0	7/7	1	2	REC/UH	16K	4	/	/	207/10:56:30	0.18	0
		CAL	SDR 61	0 0	0	0		.00	.00		DN0002/24	1			
CALIBRATION FRAME															
12A035/005	12:29:59	IR	305.0/310.0	-10 .12	9/1	1	5	REC/UH	16K	4	311.2/86.9	143/-88	207/11:27:49	00:27.9	
		IR3	ISDR 42	0 0	1	1		63.94	27.13		DN0002/25	1			
		IR2	ISDR 42	0 0	1	1		63.99	26.69		DN0002/26	1			
		IR1	ISDR 41	0 0	2	1		67.85	26.23		DN0002/27	1			
IR PICTURE OF RTC 2, CAMERA 2 RTC AND PART OF LANDERTOP.															
12A036/005	14:59:59	SINGLE	197.5/212.5	-10 .04	8/2	1	5	RT/SB	16K	6	281.2/54.3	43/-57	207/13:57:49	01:21.2	
		BB1	SDR 375	0 0	1	1		53.13	20.47		DN0002/28	1			
COMMAND ANTENNA CHECK, OUT OF FOCUS															
11A037/005	15:43:10	SINGLE	182.5/242.5	-30 .04	0/2	1	4	RT/UH	16K	6	282.9/44.9	222/-47	207/14:41:00	06:35.5	
		BB2 *	ISDR 1793	1501 353	61	1		123.17	27.38		DN0002/29	3			
WIND SCOUR DEPRESSIONS AROUND NEAR FIELD ROCKS, VESICULAR OR PITTED ROCK-COQUINOID APPEARANCE. SMALL SINOUS SURFACE RIDGES, "SWASH MARKS" DARKER MATERIAL IN SCOUR DEPRESSIONS. SMALL SHARP PITS FROM PARTICLES THROWN UP AT LANDING. USABLE PART OF IMAGE FROM CACCS AZIMUTH 205 TO 242.5															
11A038/006	07:18:00	COLOR	15.0/40.0	-10 .12	1/1	1	5	REC/UH	16K	-13	71.8/23.8	11/-21	208/06:55:25	02:14.6	
		BLU *	SDR 209	0 0	0	0		82.57	54.45		DN0003/01	1			
		GRN *	SDR 208	0 0	1	1		78.69	44.57		DN0003/02	1			
		RED *	SDR 208	0 0	1	1		67.92	30.44		DN0003/03	1			
COLOR PICTURE OF US FLAG TAKEN IN EARLY MORNING WITH SUN BEHIND. RTC3 IS PARTLY ILLUMINATED.															
12A039/006	07:24:27	SINGLE	125.0/132.5	-50 .04	8/2	1	4	RT/SB	250	-15	72.2/25.2	195/-22	208/07:01:53	44:27.0	
		BB1 *	COMP 187	189 6	8	1		61.68	24.63		DN0003/04	1			
SAME AS 12A031.016 IN VARIABLE FEATURES SERIES															
11A040/006	12:00:00	COLOR	197.5/275.0	-30 .12	1/1	1	4	REC/UH	16K	0	64.7/85.3	18/-82	208/11:37:25	06:54.5	D
		BLU *	COMP 645	0 0	2	1		80.37	27.76		DN0003/05	1			
		GRN *	COMP 645	0 0	2	1		102.71	29.46		DN0003/06	1			
		RED *	COMP 645	0 0	2	1		134.78	31.11		DN0003/07	1			
COLOR PICTURE OF DRIFT IN NEAR FIELD AND DRIFTS UP T															
11A041/006	12:20:00	SINGLE	.0/5.0	0 .12	8/3	1	4	REC/UH	16K	2	355.6/88.0	4/-87	208/11:57:25	00:10.1	
		BB1	SDR 41	0 0	2	1		84.93	70.77		DN0003/08	1			
CAMERA 1 SCAN VERIFICATION.															

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF SEGMENTS		
12A042/006	12 25.00	SINGLE BB1 CAMERA 2	.0/ 50 SDR 41	0 0 0 0	.12 0 0	8/3 2	1 4 1	REC/UH 58.11	16K 31 42	2	328.2/87.6 DN0003/09	173/-87 1	208/12:02:25	00:10.1
CAMERA 2 SCAN VERIFICATION.														
12A043/006	12:30.00	SINGLE BB1 RTC 2 FOR	305.0/310.0 SDR 125	-20 0 0 0	.04 0 0	8/2 1	1 4 1	REC/UH 48.45	16K 19.72	2	310.2/86.9 DN0003/10	142/-88 1	208/12:07:25	00:27.9 D
RTC 2 FOR RADIOMETRIC CALIBRATION.														
12A044/006	12:35 00	SINGLE BB1 CAMERA 2	0/ 5.0 SDR 41	0 0 0 0	.12 0 0	8/3 2	1 4 1	REC/UH 58.59	16K 31.50	2	300 0/86.0 DN0003/11	101/-88 1	208/12.12:25	00:10.1
CAMERA 2 SCAN VER AFTER DUSTING														
12A045/006	15:40.53	COLOR BLU * GRN * RED *	80.0/147.5 COMP 616 COMP 617 COMP 616	-20 5 565 53 565 53 565 53	.12 53 53 53	1/1 1 0 1	1 4 1 0 1	RT/UH 90.49 92.27 105.28	16K 50 52 44.88 39.13	8	282.7/45.3 DN0003/12 DN0003/13 DN0003/14	45/-48 1 1 1	208/15.18:19	06:35.5
COLOR PICTURE OF AREA IN 12A006/001. USABLE PART IS FROM ABOUT 30 TO 68 DEGREES CACCS AZIMUTH. RESCAN														
11A046/006	17:54:00	SINGLE SUN	32.5/ 67.5 ISDR 294	10 293 1	.12 1	4/3 0	0 4 0	REC/UH 27.00	16K .44	4	290 4/16.7 DN0003/15	229/-19 1	208/17:31:25	01:03.5
SOLAR EXTINCTION STUDIES AT LOW SUN ELEV.														
11A047/007	07 06 00	SINGLE SUN	172.5/205 0 ISDR 273	10 272 1	.12 1	4/3 0	0 4 0	REC/UH 27 00	16K .12	-17	71 1/21.3 DN0003/16	11/-18 1	209/07:23:00	00:59.0
SOLAR EXTINCTION STUDIES														
11A048/007	07.12.00	SINGLE BB2 *	240.0/270 0 SDR 752	-30 751 1	.04 1	0/2 0	1 4 0	REC/UH 42.41	16K 15.56	-17	71 5/22.5 DN0003/17	11/-20 1	209/07:29:00	02:41.2
ADJACENT TO NEAR DRIFT. SMALL WIND TAILS. SURFACE SAMPLER COLLECTOR HEAD IN LOWER RIGHT.														
11A049/007	07:14.41	SINGLE CAL	170.0/170 0 SDR 61	0 0 0	0 0	15/7 0	1 2 0	REC/UH .00	16K .00	-15	/ DN0003/18	/ 1	209/07:31:41	0:18.0
CALIBRATION														
12A050/007	11:36:27	SINGLE SURV *	20.0/ 37.5 ISDR 190	-30 45 2	.12 1	14/3 1	1 4 1	RT/SB 114.65	250 47.29	0	76 7/80.3 DN0003/19	205/-77 1	209/11:53:28	43:27.0
SURFACE SAMPLER COLLECTOR HEAD AGAINST MARTIAL SURFACE. BACKGROUND.														
11A051/007	15.38.25	SINGLE BB1 *	200 0/260.0 ISDR 111	-50 0 0 0	.04 0 0	8/2 203	1 4 2	RT/UH 75.33	16K 48 64	8	282 6/45.8 DN0003/20	222/-48 3	209/15:55:26	06:35.5
USABLE DATA FROM CACCS AZIMUTH 235 TO 274 NEARFIELD OF FINES WITH A LARGE PART IN LANDER SHADO W. PITS IN SOIL FROM MATERIAL THROWN OUT ON LANDING.														
11A052/007	17.41:59	SINGLE BB2 *	207.5/217.5 SDR 252	-30 251 1	.04 1	0/2 0	1 4 0	REC/UH 41.13	16K 21.59	4	289.5/19.2 DN0003/21	229/-22 1	209/17:59:00	00:54.6 D
SITE OF FIRST SAMPLE IN LANDER SHADOW. UPPER THIRD USABLE.														

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL.	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS				
11A053/008	17:42	53	SINGLE 170.0/170.0 CAL SDR 61	0 0	15/7 0	1 0	2 0	REC/UH .00	16K .00	4	/	/	209/17:59:54	0:18.0	
CALIBRATION															
12A054/007	17:44	59	SINGLE 22.5/ 32.5 BB3 * SDR 252	-20 .04 251 1	13/2 0	1 0	4 0	REC/UH 64.64	16K 28.44	6	289.7/18.5	52/-21	209/18:02:00	00:54.6	D
DIRECT VIEW OF BACK OF BACKHOE MAGNET ARRAY BEFORE SAMPLING. FINE SOIL AND ROCKS IN BACKGROUND.															
11A055/008	06:47	59	SINGLE 207.5/217.5 BB2 * SDR 253	-30 .04 251 2	0/2 0	1 0	4 0	REC/UH 35.63	16K 7.00	-19	69.9/17.5	9/-15	210/07:44:35	00:54.6	
SAMPLE SITE BEFORE THE FIRST TRENCH. SWASH-MARK-LIKE SINUOUS FEATURES ON DRIFT NFAR LANDER.															
12A056/008	06:49	59	SINGLE 22.5/ 32.5 BB3 * SDR 253	-20 .04 251 2	13/2 0	1 0	4 0	REC/UH 35.45	16K 12.24	-17	70.1/17.9	193/-15	210/07:46:35	00:54.6	
SAME AREA AS 11A055. FOR STEREO OF SAMPLE SITE.															
11A057/008	07:20	57	SINGLE 7.5/ 37.5 SURV * SDR 252	-20 .12 251 1	14/3 0	1 0	4 0	REC/UH 102.81	16K 67.45	-17	72.1/24.5	12/-21	210/08:17:33	00:54.6	
GCMS PDA DEPLOYED, RTG2 WITH US FLAG AND HORIZON IN BACKGROUND.															
11A058/008	08:48	59	SINGLE 207.5/217.5 BB2 * COMP 249	-30 .04 0 0	0/2 2	1 1	4 1	REC/UH 76.67	16K 19.41	-12	77.0/43.5	17/-40	210/09:45:35	00:54.6	
SAMPLE AREA AFTER BIOLOGY SAMPLE TAKEN															
12A059/008	08:50	59	SINGLE 22.5/ 32.5 BB3 * SDR 253	-20 .04 251 2	13/2 0	1 0	4 0	REC/UH 80.24	16K 35.30	-10	77.1/43.9	201/-41	210/09:47:35	00:54.6	
SAME AS 11A058 FOR STEREO															
11A060/008	10:49	52	SINGLE 210.0/217.5 BB2 SDR 190	10 .04 189 1	0/2 0	1 0	4 0	REC/UH 201.54	16K 45.72	-6	80.3/70.1	22/-67	210/11:46:28	00:41.2	
ACQUISITION OF FOURTH SAMPLE.															
12A061/008	11:49	00	SINGLE 310.0/335.0 SURV SDR 211	-30 .12 209 2	14/3 0	1 0	5 0	REC/UH 56.86	16K 34.53	0	73.0/83.1	204/-80	210/12:45:36	00:45.7	
SURFACE SAMPLER COLLECTOR HEAD IN POSITION AFTER DUMPING SAMPLE INTO THE XRFS PDA DIRECTLY BELOW. SOME FINE MATERIAL HAS SPILLED ONTO THE LANDER TOP.															
12A062/008	12:06	59	COLOR 22.5/ 32.5 BLU * SDR 84	-30 .12 0 0	1/1 0	1 0	4 0	REC/UH 94.23	16K 47.54	2	54.0/86.8	200/-84	210/13:03:35	00:54.6	
GRN * SDR 83 0 0 1 1 94.55 46.94 DN0003/32 1															
RED * SDR 83 0 0 1 1 107.30 54.35 DN0003/33 1															
COLOR PICTURE OF FIRST SAMPLE SITE TO LOOK AT SOIL COLOR IN TRENCH.															
12A063/008	12:07	53	SINGLE 170.0/170.0 CAL SDR 61	0 0	15/7 0	1 0	2 0	REC/UH .00	16K .00	2	/	/	210/13:04:29	0:18.0	
CALIBRATION															

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE OFFSET GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF SEGMENTS	
12A064/008	12:12.27	SINGLE	20.0/37.5	-30 .12	14/3	1 4	RT/SB	250	2	36.6/87.6	197/-85	210/13:09:03 43:27.0
		SURV * ISDR	192 147	48	3	1	99.98	51.05		DN0003/35	1	
SURVEY PICTURE OF TRENCH. RESCAN.												
11A065/008	14:19 59	SINGLE	207 5/217.5	-30 .04	0/2	1 4	REC/UH	16K	2	279 9/63 0	218/-66	210/15:16:35 00:54.6
		BB2 * SDR	253 251	2	0	0	127.27	18.43		DN0003/36	1	
TRENCH AFTER GCMS AND XFRS SAMPLING. MET. BOOM SHADOW												
11A066/008	14:23 59	SINGLE	260.0/275.0	0 .04	5/2	1 4	REC/UH	16K	2	280 0/62.1	219/-65	210/15:20:35 01:21.2
		BB4 * ISDR	378 376	2	0	0	136.95	26.19		DN0003/37	1	
LARGE BOULDERS ON HORIZON. SKYLINE PROMINENCE.												
11A067/008	15:35.42	SINGLE	225 0/305 0	-30 .04	0/2	1 4	RT/UH	16K	6	282 4/46.4	221/-49	210/16:32:18 06:35.5
		BB2 * COMP	1763	0 0	238	2	111.73	32 76		DN0003/38	3	
USEFUL PART OF IMAGE EXTENDS FROM 260 TO 299 CACCS AZIMUTH. SCATTERED ROCKS WITH WIND TAILS. GRAVEL PATCHES. SOME DEPRESSIONS PRODUCED ON LANDING.												
12A068/009	10:59.59	SINGLE	295.0/305.0	-30 .04	8/2	1 5	REC/UH	16K	-2	80.3/72.4	206/-69	211/12:36:10 00:54.6
		BB1 SDR	253 251	2	0	0	67.62	29 00		DN0004/01	1	
GRID ON LANDER TOP												
11A069/009	15:32 54	SINGLE	145.0/225 0	-30 .04	0/2	1 4	RT/UH	16K	-12	282.3/46.9	221/-49	211/17:09:05 06:35.5
		BB2 * ISDR	1734	0 0	267	6	109.70	43 94		DN0004/02	3	
TRENCH PICTURE TAKEN TO DETERMINE DOWNWIND TRANSPORT OF PARTICLES SPILLED FROM SAMPLE HEAD FRACTURES ON GENERAL SURFACE OF NEAR FIELD DRIFT SHOWN. USABLE IMAGE FROM ABOUT 180 TO 215 AZIMUTH (CACCS).												
12A070/010	10:10.27	SINGLE	110.0/117 5	-40 .04	8/2	1 4	RT/SB	250	-4	80 1/61.5	204/-58	212/12:26:14 44 27.0
		BB1 * ISDR	195 189	6	0	0	102.49	26.92		DN0004/03	1	
SECOND VARIABLE FEATURES SEQUENCE. FINE MATERIAL BETWEEN LARGER ROCKS. SOME DESCENT PRODUCED DEPRESSIONS												
12A071/010	12:39 00	COLOR	147.5/187 5	-20 .12	1/1	1 4	REC/UH	16K	6	292 1/85.1	68/-88	212/14:54:46 03:34.6
		BLU * SDR	334	0 0	0	0	110.06	55 22		DN0004/04	1	
		GRN * SDR	333	0 0	1	1	112.68	51.16		DN0004/05	1	
		RED * SDR	333	0 0	1	1	128.92	46 36		DN0004/06	1	
COLOR PICTURE OF BLOCKY PART OF SCENE. STROKE GAUGE 3 IN CENTER.												
12A072/010	12:42.34	SINGLE	170 0/170.0	0	7/7	1 2	REC/UH	16K	8	/	/	212/14:58:20 0:18.0
		CAL SDR	60	0 0	0	0	.00	.00		DN0004/07	1	
CALIBRATION												
12A073/010	12:45.00	COLOR	305.0/310.0	-10 .12	1/1	1 4	REC/UH	16K	8	288.0/83.8	55/-86	212/15:00:46 00:27.9
		BLU SDR	41	0 0	2	1	128.57	69.26		DN0004/08	1	
		GRN SDR	41	0 0	2	1	120.61	64.04		DN0004/09	1	
		RED SDR	41	0 0	2	1	127.90	67.88		DN0004/10	1	
RTC2, CAMERA 2 RTC. SHOULD BE IN BRIGHT SUN BUT APPEARS TO BE SHADED BY HGA. COLOR CALIBRATION.												

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- RSCN TION /DUST
			DATA TOTAL	RESCAN	LINES			AVE DN	STAND	EDR		# OF EDR			
			RECORD LINES	BEGIN/TOTAL	MISSED	GAPS		VALUE	DEV	TAPE/FILE		SEGMENTS			
12A074/010	15:29.55	COLOR	5.0/ 85.0	-10	.12	1/1	1	5	RT/UH	16K	18	282.1/47.5	44/-50	212/17:45:42	06:35.5
		BLU * COMP	595	0	0	73	2		78 94	44.69		DN0004/11	1		
		GRN * COMP	596	0	0	72	2		78 07	44.64		DN0004/12	1		
		RED * COMP	596	0	0	72	2		79.95	42.98		DN0004/13	1		
REAL TIME COLOR. USABLE FROM 40 TO 80 CACCS AZIMUTH.															
12A075/011	12:00 00	SINGLE	.0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	2	66.0/85.6	203/-83	213/14:55:21	00:10.1
		BB1 SDR	44	43	1	0	0		52.67	30.16		DN0004/14	1		
CAMERA 2 SCAN VER BEFORE DUSTING.															
12A076/011	12:04:59	SINGLE	.0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	4	58.7/86.6	202/-84	213/15:00:21	00:10.1 D
		BB1 SDR	44	43	1	0	0		52.86	30.36		DN0004/15	1		
CAMERA 2 SCAN VER AFTER DUSTING															
11A077/011	15:26 46	SINGLE	180.0/260.0	-10	.04	5/2	1	4	RT/UH	16K	6	281.9/48.2	221/-51	213/18:22:08	06:35.5
		BB4 * COMP	1809	0	0	192	2		134 31	27.77		DN0004/16	3		
HI RES OUT TO HORIZON USABLE FROM 205 TO 254 DEG CACCS AZIMUTH. DRIFT AREA OVER TO POSSIBLE OUTCROP															
11A078/012	08:24 59	SINGLE	150.0/250.0	-30	.04	0/2	1	4	REC/UH	16K	-10	76.0/38.4	16/-35	214/11:59:56	08:54.5
		BB2 * COMP	2498	0	0	3	2		67 16	20.71		DN0004/17	4		
GOOD IMAGE OF ROCKS WITH MOATS NEAR TRENCH. TRENCH AND MATERIAL SPILLED FROM SAMPLE HEAD IMAGED. CRACKS IN SURFACE NEAR TRENCH															
11A079/012	08:34 59	SINGLE	182.5/235.0	-50	.04	8/2	1	4	REC/UH	16K	-10	76.5/40.6	17/-38	214/12:09 56	04:41.2
		BB1 * ISDR	1319	1314	6	1	1		73 30	30.00		DN0004/18	2		
FOOTPAD 2 IS BURIED BENEATH FINES OF SMALL DRIFT UPON WHICH IT DESCENDED. SOME COHESION OF MATERIAL IS INDICATED BY THE SMALL SCARP IN THE SOIL ABOVE THE FOOTPAD. SOME OF THE SURFACE PITS WERE FORMED AT LANDING, BUT MOST ARE FROM SPILLED SOIL OF SAMPLER.															
12A080/012	10:00 27	SINGLE	22.5/ 30.0	-20	.04	13/2	1	4	RT/SB	250	-2	80.0/59.4	204/-56	214/13:35:24	44:27.0
		BB3 * ISDR	193	189	10	6	1		100.19	32.99		DN0004/19	1		
TRENCH AREA OVER SURFACE SAMPLE HOUSING															
12A081/012	15:36 22	SINGLE	60.0/160.0	-50	.04	8/2	1	4	RT/UH	16K	12	282.2/46.4	44/-49	214/19:11:19	06:35.5
		BB1 * ISDR	1978	0	0	23	1		93 63	36.44		DN0004/20	3		
FRACTURED FLAT SURFACE BENEATH FORWARD ENGINE APPARENTLY SWEEPED OF FINES BY ENGINE BLAST. SURFACE SAMPLER ARM BOOM LATCH PIN AT LOWER EDGE.															
11A083/012	17:36 59	SINGLE	47.5/ 52.5	30	.04	4/2	1	2	REC/UH	16K	6	289.1/19.9	228/-22	214/21:11:56	00:27.9 D
		SUN ISDR	127	126	1	0	0		31.34	3.57		DN0004/21	1		
SOLAR EXTINCTION SERIES															
11A084/012	18:23.59	SINGLE	50.0/ 55.0	20	.04	4/2	1	2	REC/UH	16K	6	292.5/10.1	232/-13	214/21:58:56	00:27.9
		SUN ISDR	126	126	1	1	1		31.04	1.07		DN0004/22	1		
SOLAR EXTINCTION SERIES.															

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP (C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/ FILE	# OF EDR SEGMENTS		
11A085/012	18:47.59	SINGLE SUN	52.5/ 57.5 ISDR 127 126	10 126	.04 1	4/2 0	1 0	2 0	REC/UH 30.19	16K 1.61	4 294.5/ 5.2 DN0004/23	234/ -8 1	214/22:22:56	00:27.9
SOLAR EXTINCTION SERIES.														
11A086/012	18:58.59	SINGLE SUN	52.5/ 57.5 SDR 128 126	10 126	.04 2	4/2 0	1 0	2 0	REC/UH 31.00	16K .05	4 295.5/ 2.9 DN0004/24	234/ -5 1	214/22:33:56	00:27.9
SOLAR EXTINCTION SERIES.														
11A087/013	05:35.59	SINGLE SUN	180.0/185.0 ISDR 128 126	10 126	.04 2	4/2 0	1 0	2 0	REC/UH 32.10	16K 1.78	-17 64.5/ 8.5 DN0005/01	3/ -0 1	215/09:50:31	00:27.9
SOLAR EXTINCTION SERIES.														
11A088/013	05:47.59	SINGLE SUN	182.5/187.5 SDR 128 126	10 126	.04 2	4/2 0	1 0	2 0	REC/UH 32.62	16K 1.99	-17 65.5/ 5.2 DN0005/02	5/ -2 1	215/10:02:31	00:27.9
SOLAR EXTINCTION SERIES.														
11A089/013	06:11.59	SINGLE SUN	185.0/190.0 ISDR 127 126	20 126	.04 1	4/2 0	1 0	2 0	REC/UH 32.20	16K 1.95	-17 67.5/10.1 DN0005/03	7/ -7 1	215/10:26:31	00:27.9
SOLAR EXTINCTION SERIES.														
11A090/013	06:59.59	SINGLE SUN	187.5/192.5 SDR 127 126	30 126	.04 1	4/2 0	1 0	2 0	REC/UH 32.56	16K 3.06	-15 71.0/20.2 DN0005/04	11/-17 1	215/11:14:31	00:27.9
SOLAR EXTINCTION SERIES.														
11A091/013	07:29.59	IR IR3 IR2 IR1	35.0/ 40.0 ISDR 42 0 0 ISDR 41 0 0 ISDR 41 0 0	-10 0 0 0	.12 0 0 0	9/1 1 1 2	1 1 1 2	4 1 1 1	REC/UH 66.95 28.77 70.03 30.78 77.89 35.18	16K 28.77 30.78 35.18	-15 73.0/26.6 DN0005/05 DN0005/06 DN0005/07	13/-24 1 1 1	215/11:44:31	00:27.9
IR PICTURE OF RTC3. THE CAM 1 RTC.														
12A092/013	09:06.27	SINGLE SURV *	132.5/150.0 SDR 188 147 43	-30 43	.12 43	14/3 2	1 1	4 1	RT/SB 103.97	250 30.19	-8 78.1/47.5 DN0005/08	202/-44 1	215/13:20:59	43:27.0
POSSIBLE OUTCROP BELOW HORIZON. 43 LINES OF RESCAN.														
11A093/013	11:53.59	IR IR1 * IR3 IR2	205.0/280.0 COMP 624 0 0 ISDR 624 0 0 ISDR 624 0 0	-30 0 0 0	.12 0 0 0	9/1 2 2 2	1 1 1 1	4 1 1 1	REC/UH 121.42 26.32 101.68 24.08 105.23 24.70	16K 26.32 24.08 24.70	0 71.5/84.5 DN0005/11 DN0005/09 DN0005/10	21/-81 1 1 1	215/16:08:31	06:41.2 D
IR IMAGE OF SAMPLE SITE. INCLUDES TRENCH														
11A094/013	11:60.42	SINGLE CAL	170.0/170.0 SDR 61 0 0	0 0	0 0	7/7 0	1 0	2 0	REC/UH .00	16K .00	0 / DN0005/12	/ 1	215/16:15:12	0:18.0
CALIBRATION														
11A095/013	13:23.59	SINGLE SURV *	15.0/ 35.0 ISDR 166 0 0	-20 0	.12 0	14/3 2	1 1	5 1	REC/UH 68.37 38.20	16K 38.20	4 279.6/75.2 DN0005/13	218/-78 1	215/17:38:31	00:36.8
GCMS PDA DEPLOYED, RTG2 WITH US FLAG AND HORIZON IN BACKGROUND.														

VIKING PROJECT LIBRARY
 VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A096/014	06:56:20	SINGLE	15.0/ 35.0	-20 .12	14/3	1	3	REC/UH	16K	-15	70.9/19.5	10/-16	216/11:50:27	00:36.8	
		SURV	SDR 169 168	1 0	0	0	0	110.42	69.53		DN0005/14	1			
UNSUCCESSFUL ATTEMPT TO IMAGE COLLECTOR HEAD OVER GCMS PDA															
11A097/014	07:30:00	SINGLE	132.5/252.5	-10 .04	13/2	1	4	REC/UH	16K	-15	73.0/26.6	13/-24	216/12:24:07	10:41.2	
		BB3 *	COMP 2999	0 0	2	1	1	66.75	38.97		DN0005/15	4			
SCENE OF DRIFTS AND BIG JOE. APPARENT LAYERS OR RIPPLES WELL DISPLAYED.															
11A098/014	10:10:27	SINGLE	212.5/220.0	-30 .04	0/2	1	4	RT/SB	250	-4	80.5/61.7	21/-58	216/15:04:35	44:27.0	
		BB2 *	ISDR 195 189	6 0	0	0	0	96.94	31.43		DN0005/16	1			
SECOND DIG AT TRENCH SITE.															
11A099/014	13:24:00	SINGLE	15.0/ 35.0	-20 .12	14/3	1	5	REC/UH	16K	4	279.4/88.2	15/-86	216/18:18:07	00:38.8	
		SURV *	ISDR 178 168	11 1	1	1	1	67.60	37.67		DN0005/17	1			
GCMS PDA AFTER SAMPLE DELIVERY															
11A100/015	07:30:00	SINGLE	260.0/262.5	-50 .04	8/2	1	3	REC/UH	16K	-15	73.1/26.7	13/-24	217/13:03:42	00:16.6	
		BB1	ISDR 74 64	10 0	0	0	0	91.88	28.86		DN0005/18	1			
HI RES OF DISTURBED SOIL NEAR S/C															
12A101/015	13:40:00	SINGLE	285.0/290.0	-20 .04	8/2	1	4	REC/UH	16K	6	278.8/71.5	40/-74	217/19:13:42	00:29.9	
		BB1	SDR 137 126	11 0	0	0	0	98.25	49.99		DN0005/19	1			
RTC MAGNET WITH MAGNETIC MATERIAL ADHERING TO FORM A BULLS EYE PATTERN															
12A102/015	13:43:00	SINGLE	80.0/100.0	-40 .04	8/2	1	4	REC/UH	16K	6	278.8/70.9	40/-73	217/19:16:42	01:49.9	
		BB1 *	SDR 512 501	11 0	0	0	0	120.81	22.99		DN0005/20	1			
SITE OF SAMPLE DUMP															
12A103/016	07:29:59	SINGLE	112.5/160.0	-50 .04	8/2	1	3	REC/UH	16K	-12	73.2/26.7	196/-23	218/13:43:17	04:16.5	
		BB1 *	ISDR 1200 1189	11 0	0	0	0	101.52	39.71		DN0005/21	2			
AREA NEAR FOOTPAD 3 SMALL PEBBLES AND ROCKS															
12A104/016	09:00:27	SINGLE	110.0/117.5	-40 .04	8/2	1	4	RT/SB	250	-6	78.1/46.3	202/-43	218/15:13:45	44:27.0	
		BB1 *	ISDR 197 189	11 3	1	1	1	89.86	28.02		DN0005/22	1			
SAMPLE SITE AREA															
11A105/017	07:29:59	SINGLE	215.0/230.0	0 .12	14/3	1	4	REC/UH	16K	-15	73.2/26.7	13/-24	219/14:22:52	00:29.9	
		SURV	SDR 137 126	11 0	0	0	0	57.32	39.40		DN0005/23	1			
PICTURE OF EXTENDED SAMPLE ARM WITH HEAD															
12A106/017	10:00:27	SINGLE	32.5/ 57.5	-10 .12	14/3	1	4	RT/SB	250	-2	80.5/59.6	205/-56	219/16:53:20	43:27.0	
		SURV *	ISDR 183 0	0 0	26	2	2	128.25	62.98		DN0005/24	1			
EXTENDED BOOM OF SURFACE SAMPLER															
12A107/018	07:30:00	SINGLE	155.0/207.5	-10 .04	13/2	1	4	REC/UH	16K	-13	74.8/26.7	196/-24	220/15:02:28	04:43.2	
		BB3 *	ISDR 1322 1314	8 0	0	0	0	100.85	24.10		DN0005/25	2			
HI RES OF NEAR FIELD ROCKS. NEAR ZERO PHASE ANGLE APPEARS TO ENHANCE SHADING VARIATIONS.															

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

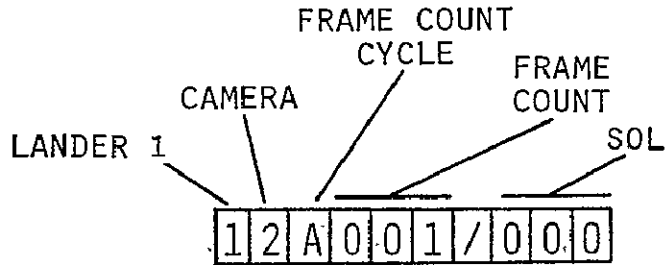
CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS				
12A108/018	07:40:00	SINGLE	142.5/167.5	-30 .04	0/2	1	4	REC/UH	16K	-12	73.9/28.9	197/-26	220/15:12:28	02:16.6
		BB2 * ISDR	637	626 11	0	0	84.61	34.98	DN0005/26	1				
SURFACE NEAR FOOTPAD 3 WITH PEBBLY OR GRAVELY APPEARANCE														
12A109/018	12:10:27	SINGLE	295.0/302.5	-30 .04	8/2	1	5	RT/SB	250	4	43.4/88.0	203/-85	220/19:42:56	43:27.0
		BB1 ISDR	190	189 1	0	0	71.46	34.26	DN0005/27	1				
GRID ON LANDER TOP.														
12A110/019	07:12 00	SINGLE	265 0/310.0	-10 .04	13/2	1	4	REC/UH	16K	-13	72.2/22.9	195/-20	221/15:24:03	04:03.2
		BB3 * ISDR	1137	1126 11	0	0	61.94	40.32	DN0005/28	2				
EARLY MORNING NEAR FIELD														
11A111/019	07:20:00	SINGLE	40.0/ 60.0	-10 .04	13/2	1	4	REC/UH	16K	-15	72.7/24 6	12/-22	221/15:32:03	01:49.9
		BB3 * ISDR	512	501 11	0	0	80.18	31.20	DN0005/29	1				
SURFACE OVER SEISMOMETER. FINES AND ROCKS.														
12A112/019	07:59:00	SINGLE	15.0/ 90.0	0 .04	5/2	1	4	REC/UH	16K	-10	75.1/33.0	198/-30	221/16:11:03	06:43.2
		BB4 * ISDR	1884	1876 8	0	0	103.73	66.00	DN0005/30	3				
EARLY MORNING VIEW OF HORIZON AND PART OF DRIFT FIELD.														
12A113/019	08:48:27	SINGLE	32.5/ 57.5	-10 .12	14/3	1	4	RT/SB	250	-6	77.7/43 8	201/-41	221/17:00:31	43:27.0
		SURV * ISDR	199	0 0	10	2	84.46	41.62	DN0005/31	1				
CHECK ON SAMPLE ARM EXTENSION.														
11A114/019	15:17:02	SINGLE	190.0/322.5	-30 .04	0/2	1	4	RT/UH	16K	8	280 9/49.9	220/-52	221/23:29:06	11:46.0
		BB2 * ISDR	3308	0 0	6	1	109.53	34.15	DN0005/32	5				
HIGH QUALITY IMAGE OF NEAR FIELD SHOWS PITTED ROCK WITH MOAT AND TWO TRENCHES.														
11A115/019	15:49:01	SINGLE	182.5/195.0	-50 .04	8/2	1	4	RT/UH	16K	8	282.4/42.9	221/-45	222/00:01:04	01:01.0
		BB1 ISDR	284	0 0	30	1	35.73	13.61	DN0005/33	1				
UPPER PART OF LEG 2														
12A116/020	07:53:59	SINGLE	90 0/217.5	0 .04	5/2	1	4	REC/UH	16K	-12	74 9/31.9	198/-29	222/16:45:38	11:23.2
		BB4 * ISDR	3197	3189 8	0	0	122.27	31.95	DN0006/01	5				
EARLY MORNING VIEW TO HORIZON. LOW PHASE ANGLE. IN MOST OF PICTURE.														
11A117/020	08:46:27	COLOR	212.5/220.0	-30 .12	1/1	1	4	RT/SB	250	-12	77.7/43.3	18/-40	222/17:38:06	44:27.0
		BLU * SDR	62	0 0	2	1	55.32	16.78	DN0006/02	1				
		GRN * SDR	62	0 0	2	1	68.64	21.43	DN0006/03	1				
		RED * SDR	62	0 0	2	1	87.93	28.63	DN0006/04	1				
COLOR OF TRENCH. SURFACE SAMPLER COLLECTOR HEAD.														
11A118/020	14:49:59	SINGLE	217.5/227.5	0 .04	8/2	1	5	REC/UH	16K	6	279.7/55.9	218/-58	222/23:41:38	00:56.6
		BB1 SDR	260	251 9	0	0	69.34	14.40	DN0006/05	1				
DIRECT VIEW OF STRONG MAGNET ON BACKHOE IN SUNLIGHT														

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS				
12A119/020	15:14.51	SINGLE	5.0/137.5	-10 .04	13/2	1	4	RT/UH	16K	8	280.8/50.4	43/-53	223/00:06:30	11:46.0	
		BB3 * ISDR	3308	0 0	6	1		120.59	33.00		DN0006/06	5			
		AREA OF POSSIBLE OUTCROP. STREWN FIELD OF ROCKS WELL IMAGED.													
11A120/020	15:46.49	SINGLE	182.5/195.0	-50 .04	8/2	1	4	RT/UH	16K	8	282.3/43.4	221/-46	223/00:38:28	01:01.0	
		BB1 * ISDR	284	0 0	30	1		37.47	15.23		DN0006/07	1			
		SAME AS 11A115 UPPER PART OF LEG 3 FRACTURES IN FINE SURFACE MATERIAL SEEN IN BACKGROUND.													
12A121/020	17:07.59	SINGLE	185.0/232.5	10 .12	1/3	1	5	REC/UH	16K	10	286.8/25.7	49/-28	223/01:59:38	01:27.7	
		BLU ISDR	408	397 11	0	0		79.09	70.00		DN0006/08	1			
		ATMOSPHERE SCATTERING EXPERIMENT. BLUE SINGLET													
12A122/020	17:11.59	SINGLE	185.0/232.5	10 .12	10/3	1	5	REC/UH	16K	10	287.1/24.9	50/-27	223/02:03:38	01:27.7	
		IR2 SDR	408	397 11	0	0		88.40	66.93		DN0006/09	1			
		ATMOSPHERE SCATTERING EXPERIMENT. IR2 SINGLET													
12A123/020	17:13.26	SINGLE	170.0/170.0	0	15/7	1	2	REC/UH	16K	12	/	/	223/02:05:05	0:18.0	
		CAL SDR	61	0 0	0	0		.00	.00		DN0006/10	1			
		CALIBRATION													
12A124/021	07:29.59	SINGLE	77.5/117.5	-50 .04	8/2	1	3	PEC/UH	16K	-12	73.5/26.7	197/-24	223/17:01:13	03:36.6	
		BB1 * ISDR	1010	1001 9	0	0		101.42	36.72		DN0006/11	2			
		NEAR FIELD FINES AND DISTURBED AREA. BOOM PIN.													
12A125/021	08:09.59	SINGLE	227.5/290.0	0 .04	5/2	1	4	REC/UH	16K	-10	75.9/35.4	199/-32	223/17:41:13	05:36.5	
		BB4 * ISDR	1575	1564 11	0	0		130.93	35.82		DN0006/12	2			
		ROCKS OUT TO HORIZON AND SOME DRIFTS.													
12A126/021	10:00.27	SINGLE	295.0/302.5	-30 .04	8/2	1	5	RT/SB	250	-2	81.0/59.7	205/-56	223/19:31:41	43:27.0	
		BB1 ISDR	188	189 6	7	1		61.25	30.92		DN0006/13	1			
		GRID													
11A127/021	15:12.30	SINGLE	202.5/335.0	-10 .04	13/2	1	4	RT/UH	16K	6	280.6/50.9	219/-53	224/00:43:44	11:46.0	
		BB3 * ISDR	3308	0 0	6	1		113.02	39.48		DN0006/14	5			
		VIEW EXTENDING FROM DRIFTS TO RIGHT ACROSS POSSIBLE BEDROCK													
11A128/021	15:44.28	SINGLE	182.5/195.0	-50 .04	8/2	1	4	RT/UH	16K	8	282.1/43.9	221/-46	224/01:15:42	01:01.0	
		BB1 * ISDR	286	0 0	28	1		40.57	19.87		DN0006/15	1			
		SAME AS 11A115 AND 11A120. UPPER PART OF LEG 3													
11A129/022	08:10.00	SINGLE	100.0/195.0	0 .04	5/2	1	4	REC/UH	16K	-12	76.0/35.4	16/-32	224/18:20:49	08:29.9	
		BB4 * SDR	2384	2376 8	0	0		121.99	57.96		DN0007/01	3			
		DRIFT FIELD IN MORNING SUN													
11A130/022	10:10.27	SINGLE	295.0/305.0	-20 .04	13/2	1	4	RT/SB	250	-4	81.5/61.9	22/-59	224/20:21:17	44:27.0	
		BB3 ISDR	193	0 0	58	2		91.39	45.19		DN0007/02	1			
		PEBBLES IN NEAR FIELD													

VL-1 PARAMETER LISTS

The organization of the VL-1 parameter lists which appear in this section is described in the section "Selection of Camera Event Parameter Lists," and each parameter has been explained previously. In all lists, the parameter entries for each camera event are preceded by the camera event label. The format of this label is shown in figure 9.



VL-1 SOL 000 = JULY 20, 1976

Figure 9.- Format of VL-1 camera event label.

VL-1 CAMERA EVENT REPORT

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS			
12A001/000	16:13.21	SINGLE	102.5/160.0	-50 .04	8/2	1 4	RT/UH	16K	16	284.9/38.7	49/-38	202/11.53:15	05:07.0		
		BB1 * COMP	1438	0 0	1	1	56 34	19.27			DN0001/01	2			
FIRST LANDER PICTURE. POORLY SORTED. PITTED. FLUTED. FACETED GRAVEL ON AND IN FINE SUBSTRATE. SHARP ELONGATE DEPRESSIONS MAY HAVE FORMED BY IMPACT OF PARTICLES MOVED BY DESCENT ENGINE BLAST. DARKER MATERIAL IN DEPRESSIONS. VERTICAL LINES AT LEFT INTERPRETED TO RECORD SETTLING DUST.															
12A002/000	16:19.04	SINGLE	10 0/310 0	-10 .12	14/3	1 4	RT/UH	16K	18	285 2/37.0	50/-37	202/11:58:58	08.52.0		
		SURV * COMP	2501	0 0	0	0	90.32	43.59			DN0001/02	4			
FIRST SURVEY PANORAMA. NUMEROUS BLOCKS FROM NEAR FIELD TO HORIZON. LOW DRIFTS OR DUNES. MANY ROCKS SHOW COMPLEX FRACTURING. WIND SCOUR DEPRESSIONS AROUND SOME BLOCKS. SHALLOW DEPRESSION SEEN OVER STROKE GAUGE															
12A003/001	07:47.59	SINGLE	80.0/140.0	-30 .04	0/2	1 4	REC/UH	16K	-10	73 2/30.0	197/-30	203/04:07:28	05 21.2		
		BB2 * COMP	1502	1501 1	0	0	65.69	23.15			DN0001/03	2			
FIRST HIGH RES OF SAMPLE SITE. GRAVEL PATCHES. SHARP ELONGATE DEPRESSIONS FROM PARTICLES THROWN UP BY LANDING. WIND TAILS															
12A004/001	10:36.27	SINGLE	132.5/150.0	-30 .12	14/3	1 4	RT/SB	250	0	78 5/66.6	203/-66	203/06 55.56	43 27.0		
		SURV * COMP	189	147 43	1	1	114 28	28.99			DN0001/04	1			
POSSIBLE OUTCROP OF LOWER ALBEDO ROCK BELOW HORIZON 43 LINES OF RESCAN REVEAL NO MOTION IN SCENE.															
12A005/001	12:35.59	SINGLE	305.0/310.0	-10 .12	14/3	1 4	REC/UH	16K	8	306 7/85 6	71/-85	203/08.55:28	00:10.1		
		SURV COMP	41	0 0	2	1	117 26	58 95			DN0001/05	1			
RADIOMETRIC CALIBRATION PICTURE OF RTC2. LIMITED VIEW OF FAR FIELD															
12A006/001	12.41 59	COLOR	80 0/147 5	-20 .12	1/1	1 5	REC/UH	16K	8	299.0/84 4	63/-84	203/09:01:28	06.01.2 D		
		BLU * COMP	563	0 0	1	1	56.87	22 85			DN0001/06	1			
		GRN * COMP	562	0 0	2	1	58.93	19.48			DN0001/07	1			
		RED * COMP	562	0 0	2	1	69 89	16.04			DN0001/08	1			
FIRST COLOR PICTURE. INCLUDES SAMPLE SITE. LOWER ALBEDO OUTCROP IN FAR FIELD. LARGE BLOCKS ON HORIZON.															
12A007/001	12:48.00	SINGLE	170.0/170.0	0 0	7/7	1 2	REC/UH	16K	10	/	/	203/09:07:29	0:18.0		
		CAL SDR	60	0 0	0	0	.00	.00			DN0001/09	1			
CALIBRATION FRAME															
12A008/001	14:44:59	COLOR	305 0/310.0	-10 .12	1/1	1 5	REC/UH	16K	10	281 7/57.5	46/-57	203/11:04:28	00 27.9		
		BLU ISDR	12	0000 0	2	1	89 51	43 85			DN0001/10	1			
		GRN ISDR	12	0000 0	2	1	88.20	44.56			DN0001/11	1			
		RED ISDR	12	0000 0	2	1	75.40	27.57			DN0001/12	1			
SAME AS 12A005 BUT RTC2 IS IN SUNLIGHT															
12A009/001	15:50.28	SINGLE	80 0/160.0	-50 .04	8/2	1 4	RT/UH	16K	12	283.8/43.3	48/-43	203/12:09:57	06:35.5		
		BB1 * ISDR	1853	0 0	148	1	76.65	31.03			DN0001/13	3			
USABLE PART OF IMAGE EXTENDS FROM 95 TO 154 DEG. CACCS. INCLUDES SAME AREA AS 12A001.															
12A010/002	07:18.00	SINGLE	65 0/155 0	-10 .04	5/2	1 4	REC/UH	16K	-15	71.7/23.7	195/-23	204/04.17:04	08:01.2		
		BB4 * COMP	2252	2251 1	0	0	60 58	26 97			DN0001/14	3			
BLOCKY FIELD WITH SMALL ISOLATED SEDIMENT DRIFTS. OUTCROP OF HIGHER ALBEDO ROCK THAT APPEARS FRACTURED. WIND TAILS COMMON. HIGH RES OF SAMPLE SITE.															

VL-1 Camera Event Report

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- RSCN TION /DUST
		DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS					
12A011/002	07.26.01	SINGLE CALIBRATION FRAME	170.0/170.0 SDR 60	0 0	7/7 0	1 0	2	REC/UH .00	16K .00	-13	/ DN0001/15	/ 1	204/04:25:05	0:18.0
12A012/002	08 00.27	SINGLE SURV * SAME AS 12A004	132.5/150.0 COMP 188	-30 147	.12 43	14/3 2	1 1	4 1	RT/SB 90.08	250 34.18	-12 74 2/32 8	197/-32 1	204/04:59:32	43:27.0
12A013/002	10:29 50	SINGLE BB1 * MIRROR ON SURFACE SAMPLER IN UPPER LEFT IS IMPACT OF SAMPLER SHROUD.	117.5/155.0 ISDR 942 939	-50 3	.04 0	8/2 0	1 0	4 0	REC/UH 93.56	16K 29.61	0 DN0001/17	79.8/65.5 2	204/-65 204/07:28:54	03:21.2
12A014/002	13 06.00	SINGLE BB1 * H1 RES OF GRID ON LANDER TOP.	295 0/305.0 ISDR 250	-30 0	.04 0	8/2 1	1 1	4 1	REC/UH 77.19	16K 57.85	4 DN0001/18	283.6/79.5 1	45/-79 204/10:05:04	00:54.6 D
12A016/003	09.10 27	SINGLE BB1 * VARIABLE FEATURES AREA NEAR FOOT PAD 3	175.0/132.5 ISDR 195 189	-50 6	.04 6	8/2 0	1 0	4 0	RT/SB 87.82	250 29.66	-10 DN0002/01	77.6/48.1 1	201/-48 205/06:49:07	44:27.0
11A017/003	14:28 00	SINGLE BB3 * FIRST CAMERA 1 PICTURE, SAMPLE SITE	272.5/300 0 ISDR 690 689	-20 1	.04 0	13/2 0	1 0	4 0	REC/UH 113.54	16K 24.95	2 DN0002/02	280 4/61.5 1	219/-61 205/12:06:39	02:27.9
11A018/003	14.32 00	SINGLE SURV * FIRST CAMERA 1 SURVEY PANORAMA. LOW DUNES OR DRIFTS, LARGE BOULDER IS 3M BY 1M HIGH AND 8M AWAY.	10.0/310.0 COMP 2499	-10 0	.12 0	14/3 2	1 1	4 1	REC/UH 127.75	16K 50.33	6 DN0002/03	280.5/60 6 4	219/-60 205/12:10:39	08:54.5
11A019/003	14.40.54	SINGLE CALIBRATION	170.0/170.0 SDR 60	0 0	7/7 0	1 0	2	REC/UH .00	16K .00	6	/ DN0002/04	/ 1	205/12:19:33	0:18.0
11A021/003	18.56.00	COLOR BLU * GRN * RED * TWILIGHT RESCAN IMAGE TO DETERMINE HEIGHT DEPENDENCE OF SIZE AND AMOUNT OF PARTICULATE MATERIAL IN THE ATMOSPHERE.	57.5/ 57.5 SDR 57 2 57 SDR 57 2 57 SDR 57 2 57	10 2 57 2 57	.12 1 1	1/1 1 1	1 1 1	5 1 1	REC/UH 102.86 97.25 84.44	250 55.00 53.75 52.10	2 DN0002/05 DN0002/06 DN0002/07	295 4/ 4.0 1 1 1	234/ -4 205/16:34:39	40:01.2 R
11A022/004	07:11 59	SINGLE BB1 * FINE GRAINED MATERIAL OF DRIFT AT FOOTPAD 2. THE FOOTPAD SUNK INTO THE DRIFT AND BURIED AS FINE MATERIAL FLOWED OVER IT. THE MATERIAL IS SOMEWHAT COHESIVE FRACTURES FORMED AT THE SURFACE. SHARP DEPRESSIONS THAT RESEMBLE RABBIT TRACKS WERE PROBABLY MADE BY PARTICLES OR CLOUDS THROWN UP DURING DESCENT.	235.0/277.5 COMP 1065 1064	-50 1	.04 0	8/2 0	1 0	4 0	REC/UH 45.11	16K 16.33	-17 DN0002/08	71.4/22.5 2	11/-22 206/05:30:14	03:47.9

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A023/004	07:23.59	SINGLE	270.0/305.0	-30 .04	0/2	1	4	REC/UH	16K	-15	72.1/25.0	12/-25	206/05.42.14	03:07.9	
		BB2 * COMP	874	0 0	2	1		51.51	18.58		DN0002/09	1			
		ICL SAMPLE SITE. SMALL PATCHES APPEAR TO BE LAG GRAVEL DEPOSITS ON THE SURFACE. WIND TAILS ARE WELL SHOWN. SOME SMALL GROOVES AND DEPRESSIONS MAY HAVE BEEN PRODUCED ON LANDING. STEREO WITH 12A003.													
11A024/004	07:27.06	SINGLE	170.0/170.0	0 0	7/7	1	2	REC/UH	16K	-15	/	/	206/05:45.21	0.18.0	
		CAL SDR	61	0 0	0	0		.00	.00		DN0002/10	1			
		CALIBRATION													
11A025/004	07:29.59	SINGLE	35.0/40.0	-20 .04	8/2	1	4	REC/UH	16K	-15	72.5/26.3	12/-26	206/05:48.14	00:27.9	
		BB1 SDR	128	126 2	0	0		67.91	42.09		DN0002/11	1			
		HI RES PICTURE OF REFERENCE TEST CHART 3, THE CAMERA 1 CHART.													
12A026/004	09:00.27	SINGLE	132.5/150.0	-30 .12	14/3	1	4	RT/SB	250	-8	77.3/45.9	201/-45	206/07:18.42	43:27.0	
		SURV * COMP	163	147 45	29	1		102.25	30.37		DN0002/12	1			
		SAME AS 12A004/001													
12A027/004	12:47.59	SINGLE	310.0/335.0	-30 .12	14/3	1	5	REC/UH	16K	4	288.9/83.4	53/-83	206/11:06:14	00:45.7	D
		SURV SDR	211	209 2	0	0		70.59	48.03		DN0002/13	1			
		VIEW OF LANDER TOP WITH PDA OF BIOLOGY AND XFRS. SOME BOULDERS SEEN ABOVE RTG1. PICTURE VERIFIES BIOLOGY PDA DEPLOYMENT.													
12A028/004	12:49.59	SINGLE	277.5/285.0	-10 .12	14/3	1	4	REC/UH	16K	4	288.0/82.9	55/-82	206/11:08:14	00:14.6	
		SURV SDR	65	64 1	0	0		130.79	56.75		DN0002/14	1			
		LEG 1 STROKE GAUGE FOR LANDER TILT ESTIMATION.													
11A029/004	12:59.59	COLOR	275.0/307.5	-20 .12	1/1	1	5	REC/UH	16K	0	284.5/80.8	225/-80	206/11.18.14	02:54.6	
		BLU * SDR	271	0 0	1	1		52.68	24.82		DN0002/15	1			
		GRN * SDR	271	0 0	1	1		62.01	23.36		DN0002/16	1			
		RED * SDR	270	0 0	2	1		70.41	18.67		DN0002/17	1			
		COLOR PICTURE POSSIBLE OUTCROP IN BACKGROUND													
11A030/004	15:45.16	SINGLE	260.0/340.0	-10 .04	13/2	1	4	RT/UH	16K	6	283.0/44.4	222/-44	206/14.03:31	06:35.5	
		BB3 * COMP	1853	0 0	148	1		102.37	36.58		DN0002/18	0			
		BB3 ISDR	1851	0 0	150	2		102.37	36.58		DN0002/18	3			
		USABLE PART OF IMAGE BEGINS AT CACCS AZIMUTH OF ABOUT 310. SOME NOISY DATA BEGINS AT 293. PICTURE EXTENDS TO ABOUT CACCS AZIMUTH 359. VIEW OF POSSIBLE BEDROCK OUT TOWARD VW ROCK.													
12A031/005	08:10:27	SINGLE	125.0/132.5	-50 .04	8/2	1	4	RT/SB	250	-13	75.1/36.1	198/-32	207/07:08.17	44:27.0	
		BB1 * ISDR	195	189 6	0	0		77.34	33.47		DN0002/19	1			
		LOOKING FOR CHANGES IN SCENE. SAME AS 12A016/002.													
11A032/005	10:46:41	SINGLE	277.5/302.5	0 .04	8/2	1	5	RT/SB	16K	-6	80.0/69.3	22/-66	207/09:44.31	02:14.6	
		BB1 SDR	627	626 1	0	0		68.11	24.11		DN0002/20	1			
		SURFACE SAMPLER COLLECTOR HEAD WITH BACKHOE MAGNET ARRAY SEEN IN THE DIRECT VIEW, THAT IS, THE BACK OF THE ARRAY. TAKEN BEFORE SAMPLING. MARS NOT IN FOCUS.													

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION /DUST	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A033/005	11:53	59	IR 77.5/130	0	.12	9/1	1	4	REC/UH	16K	2	69 6/84.0	203/-81	207/10:51:49	04:41.2
			IR3 ISDR 437	0	0	2	1		95.17	19.60		DN0002/21	1		
			IR2 ISDR 437	0	0	2	1		93.75	19.68		DN0002/22	1		
			IR1 ISDR 436	0	0	3	1		110.58	22.83		DN0002/23	1		
IR COLOR PICTURE, OVERLAPS WITH 12A006/001. BOOM LATCH PIN ON SURFACE AT LOWER LEFT.															
12A034/005	11:58	40	SINGLE 170.0/170.0	0		7/7	1	2	REC/UH	16K	4	/	/	207/10:56:30	0:18.0
			CAL SDR 61	0	0	0	0		.00	00		DN0002/24	1		
CALIBRATION FRAME															
12A035/005	12:29	59	IR 305 0/310.0	-10	.12	9/1	1	5	REC/UH	16K	4	311 2/86.9	143/-88	207/11:27:49	00:27.9
			IR3 ISDR 42	0	0	1	1		63.94	27.13		DN0002/25	1		
			IR2 ISDR 42	0	0	1	1		63.99	26.69		DN0002/26	1		
			IR1 ISDR 41	0	0	2	1		67.85	26.23		DN0002/27	1		
IR PICTURE OF RTC 2, CAMERA 2 RTC AND PART OF LANDERTOP.															
12A036/005	14:59	59	SINGLE 197 5/212.5	-10	.04	8/2	1	5	RT/SB	16K	6	281.2/54.3	43/-57	207/13:57:49	01:21.2
			BB1 SDR 375	0	0	1	1		53.13	20.47		DN0002/28	1		
COMMAND ANTENNA CHECK, OUT OF FOCUS															
11A037/005	15:43	10	SINGLE 182.5/242.5	-30	.04	0/2	1	4	RT/UH	16K	6	282 9/44 9 222/-47	207/14:41:00	06:35.5	
			BB2 * ISDR 1793	1501	353	61	1		123.17	27.38		DN0002/29	3		
WIND SCOUR DEPRESSIONS AROUND NEAR FIELD ROCKS, VESICULAR OR PITTED ROCK-COQUINOID APPEARANCE. SMALL SINUOUS SURFACE RIDGES. "SWASH MARKS" DARKER MATERIAL IN SCOUR DEPRESSIONS SMALL SHARP PITS FROM PARTICLES THROWN UP AT LANDING. USABLE PART OF IMAGE FROM CACCS AZIMUTH 205 TO 242 5															
11A038/006	07:18	00	COLOR 15 0/ 40 0	-10	.12	1/1	1	5	REC/UH	16K	-13	71.8/23.8	11/-21	208/06:55:25	02:14.6
			BLU * SDR 209	0	0	0	0		82.57	54.45		DN0003/01	1		
			GRN * SDR 208	0	0	1	1		78.69	44.57		DN0003/02	1		
			RED * SDR 208	0	0	1	1		67.92	30.44		DN0003/03	1		
COLOR PICTURE OF US FLAG TAKEN IN EARLY MORNING WITH SUN BEHIND. RTC3 IS PARTLY ILLUMINATED.															
12A039/006	07:24	27	SINGLE 125.0/132.5	-50	.04	8/2	1	4	RT/SB	250	-15	72 2/25.2	195/-22	208/07:01:53	44:27.0
			BB1 * COMP 187	189	6	8	1		61.68	24.63		DN0003/04	1		
SAME AS 12A031,016 IN VARIABLE FEATURES SERIES.															
11A040/006	12:00	00	COLOR 197.5/275 0	-30	.12	1/1	1	4	REC/UH	16K	0	64 7/85.3	18/-82	208/11:37:25	06:54.5 D
			BLU * COMP 645	0	0	2	1		80.37	27.76		DN0003/05	1		
			GRN * COMP 645	0	0	2	1		102.71	29.46		DN0003/06	1		
			RED * COMP 645	0	0	2	1		134.78	31.11		DN0003/07	1		
COLOR PICTURE OF DRIFT IN NEAR FIELD AND DRIFTS UP T															
11A041/006	12:20	00	SINGLE .0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	2	355.6/88.0	4/-87	208/11:57:25	00:10.1
			BB1 SDR 41	0	0	2	1		84.93	70.77		DN0003/08	1		
CAMERA 1 SCAN VERIFICATION.															

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION /DUST	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A042/006	12.25 00	SINGLE BB1	0/ SDR 41	5.0 0 0	0 .12 0 0	8/3 2	1 1	4 58.11	REC/UH 16K 31.42	2	328.2/87.6	6 173/-87	208/12:02:25	00:10.1	
CAMERA 2 SCAN VERIFICATION.															
12A043/006	12.30 00	SINGLE BB1	305.0/310.0 SDR 125	-20 0 0	.04 0 0	8/2 1	1 1	4 48.45	REC/UH 16K 19.72	2	310.2/86.9	9 142/-88	208/12:07:25	00:27.9	D
RTC 2 FOR RADIOMETRIC CALIBRATION.															
12A044/006	12.35 00	SINGLE BB1	0/ SDR 41	5 0 0 0	0 .12 0 0	8/3 2	1 1	4 58.59	REC/UH 16K 31.50	2	300 0/86.0	101/-88	208/12:12:25	00:10.1	
CAMERA 2 SCAN VER AFTER DUSTING.															
12A045/006	15.40 53	COLOR BLU * GRN * RED *	80.0/147.5 COMP 616 COMP 617 COMP 616	-20 565 53 565 53 565 53	.12 53 53 53	1/1 1 0 1	1 1 0 1	4 90.49 92.27 105.28	RT/UH 16K 50.52 44.88 39 13	8	282.7/45.3	45/-48	208/15.18:19	06:35.5	
COLOR PICTURE OF AREA IN 12A006/001. USABLE PART IS FROM ABOUT 30 TO 68 DEGREES CACCS AZIMUTH. RESCAN															
11A046/006	17.54 00	SINGLE SUN	32 5/ ISDR 294	67.5 293	10 1	.12 0	4/3 0	0 0	4 27.00	REC/UH 16K .44	4	290.4/16.7	229/-19	208/17:31:25	01:03.5
SOLAR EXTINCTION STUDIES AT LOW SUN ELEV.															
11A047/007	07.06 00	SINGLE SUN	172 5/ ISDR 273	205.0 272	10 1	.12 0	4/3 0	0 0	4 27.00	REC/UH 16K .12	-17	71.1/21.3	11/-18	209/07:23:00	00:59.0
SOLAR EXTINCTION STUDIES															
11A048/007	07.12 00	SINGLE BB2 *	240.0/270.0 SDR 752	-30 751	.04 1	0/2 0	1 0	4 42.41	REC/UH 16K 15.56	-17	71.5/22.5	11/-20	209/07:29:00	02:41.2	
ADJACENT TO NEAR DRIFT. SMALL WIND TAILS. SURFACE SAMPLER COLLECTOR HEAD IN LOWER RIGHT.															
11A049/007	07:14 41	SINGLE CAL	170 0/ SDR 61	170.0 0 0	0 0 0	15/7 0	1 0	2 .00	REC/UH 16K .00	-15	/	/	209/07.31:41	0:18.0	
CALIBRATION															
12A050/007	11.36 27	SINGLE SURV *	20.0/ ISDR 190	37.5 147	-30 45	.12 2	14/3 1	4 114.65	RT/SB 16K 47.29	250	0	76.7/80.3	205/-77	209/11:53:28	43:27.0
SURFACE SAMPLER COLLECTOR HEAD AGAINST MARTIAL SURFACE. BACKGROUND.															
11A051/007	15:38 25	SINGLE BB1 *	200 0/ ISDR 111	260 0 0 0	-50 0 0	.04 203	8/2 2	1 75.33	4 16K 48.64	8	282.6/45.8	222/-48	209/15:55:26	06:35.5	
USABLE DATA FROM CACCS AZIMUTH 235 TO 274 NEARFIELD OF FINES WITH A LARGE PART IN LANDER SHAD W. PITS IN SOIL FROM MATERIAL THROWN OUT ON LANDING.															
11A052/007	17:41 59	SINGLE BB2 *	207.5/217.5 SDR 252	-30 251	.04 1	0/2 0	1 0	4 41.13	REC/UH 16K 21.59	4	289.5/19.2	229/-22	209/17:59:00	00:54.6	D
SITE OF FIRST SAMPLE, IN LANDER SHADOW. UPPER THIRD USABLE.															

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSEY	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A053/008	17:42	53	SINGLE 170 0/170.0 CAL SDR 61 0 0 CALIBRATION	0 0	15/7 0	1 0	2	REC/UH .00	16K .00	4	/ DN0003/22	/ 1	209/17:59:54	0:18.0	
12A054/007	17 44:	59	SINGLE 22.5/ 32 5 BB3 * SDR 252 251 1 DIRECT VIEW OF BACK OF BACKHOE MAGNET ARRAY BEFORE SAMPLING. FINE SOIL AND ROCKS IN BACKGROUND.	-20 .04 1	13/2 0	1 0	4	REC/UH 64.64	16K 28.44	6	289.7/18.5 DN0003/23	52/-21 1	209/18:02:00	00:54.6	D
11A055/008	06:47	59	SINGLE 207.5/217.5 BB2 * SDR 253 251 2 SAMPLE SITE BEFORE THE FIRST TRENCH. SWASH-MARK-LIKE SINUOUS FEATURES ON DRIFT NFAR LANDER.	-30 .04 2	0/2 0	1 0	4	REC/UH 35.63	16K 7.00	-19	69.9/17.5 DN0003/24	9/-15 1	210/07:44:35	00:54.6	
12A056/008	06:49	59	SINGLE 22.5/ 32.5 BB3 * SDR 253 251 2 SAME AREA AS 11A055. FOR STEREO OF SAMPLE SITE.	-20 .04 2	13/2 0	1 0	4	REC/UH 35.45	16K 12.24	-17	70.1/17.9 DN0003/25	193/-15 1	210/07:46:35	00:54.6	
11A057/008	07.20	57	SINGLE 7 5/ 37.5 SURV * SDR 252 251 1 GCMS PDA DEPLOYED, RTG2 WITH US FLAG AND HORIZON IN BACKGROUND.	-20 .12 1	14/3 0	1 0	4	REC/UH 102.81	16K 67.45	-17	72.1/24.5 DN0003/26	12/-21 1	210/08:17:33	00:54.6	
11A058/008	08.48	59	SINGLE 207.5/217.5 BB2 * COMP 249 0 0 SAMPLE AREA AFTER BIOLOGY SAMPLE TAKEN	-30 .04 0	0/2 2	1 1	4	REC/UH 76.67	16K 19.41	-12	77.0/43.5 DN0003/27	17/-40 1	210/09:45:35	00:54.6	
12A059/008	08:50	59	SINGLE 22 5/ 32 5 BB3 * SDR 253 251 2 SAME AS 11A058 FOR STEREO	-20 .04 2	13/2 0	1 0	4	REC/UH 80.24	16K 35.30	-10	77.1/43.9 DN0003/28	201/-41 1	210/09:47:35	00:54.6	
11A060/008	10:49	52	SINGLE 210 0/217 5 BB2 SDR 190 189 1 ACQUISITION OF FOURTH SAMPLE.	10 .04 1	0/2 0	1 0	4	REC/UH 201.54	16K 45.72	-6	80.3/70.1 DN0003/29	22/-67 1	210/11:46:28	00:41.2	
12A061/008	11:49	00	SINGLE 310.0/335.0 SURV SDR 211 209 2 SURFACE SAMPLER COLLECTOR HEAD IN POSITION AFTER DUMPING SAMPLE INTO THE XRFS POA DIRECTLY BELOW. SOME FINE MATERIAL HAS SPILLED ONTO THE LANDER TOP.	-30 .12 2	14/3 0	1 0	5	REC/UH 56.86	16K 34.53	0	73.0/83.1 DN0003/30	204/-80 1	210/12:45:36	00:45.7	
12A062/008	12:06	59	COLOR 22 5/ 32.5 BLU * SDR 84 0 0 GRN * SDR 83 0 0 RED * SDR 83 0 0 COLOR PICTURE OF FIRST SAMPLE SITE TO LOOK AT SOIL COLOR IN TRENCH.	-30 .12 0 0 0	1/1 0 0 1 1	1 0 1 1	4	REC/UH 94.23 94.55 107.30	16K 47.54 46.94 54.35	2	54.0/86.8 DN0003/31 DN0003/32 DN0003/33	200/-84 1 1 1	210/13:03:35	00:54.6	
12A063/008	12.07	53	SINGLE 170.0/170.0 CAL SDR 61 0 0 CALIBRATION	0 0	15/7 0	1 0	2	REC/UH .00	16K .00	2	/ DN0003/34	/ 1	210/13:04:29	0:18.0	

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A064/D08	12:12.27	SINGLE	20.0/ 37 F	-30 .12	14/3	1	4	RT/SB	250	2	36.6/87.6	197/-85	210/13.09:03	43:27.0	
		SURV *	ISDR 192	147 48	3	1		99 98	51.05		DN0003/35	1			
		SURVEY PICTURE OF TRENCH. RESCAN.													
11A065/O08	14:19.59	SINGLE	207.5/217.5	-30 .04	0/2	1	4	REC/UH	16K	-2	279.9/63.0	218/-66	210/15:16	35 00:54.6	
		BB2 *	SDR 253	251 2	0	0		127.27	18.43		DN0003/36	1			
		TRENCH AFTER GCMS AND XFRS SAMPLING. MET. BOOM SHADOW													
11A066/D08	14:23.59	SINGLE	260 0/275.0	0 .04	5/2	1	4	REC/UH	16K	2	280.0/62.1	219/-65	210/15:20	35 01:21.2	
		BB4 *	ISDR 378	376 2	0	0		136.95	26.19		DN0003/37	1			
		LARGE BOULDERS ON HORIZON. SKYLINE PROMINENCE.													
11A067/D08	15:35.42	SINGLE	225.0/305 0	-30 .04	0/2	1	4	RT/UH	16K	6	282.4/46.4	221/-49	210/16:32:18	06:35.5	
		BB2 *	COMP 1763	0 0	238	2		111.73	32.76		DN0003/38	3			
		USEFUL PART OF IMAGE EXTENDS FROM 260 TO 299 CACCS AZIMUTH SCATTERED ROCKS WITH WIND TAILS. GRAVEL PATCHES. SOME DEPRESSIONS PRODUCED ON LANDING.													
12A068/D09	10:59.59	SINGLE	295.0/305 0	-30 .04	8/2	1	5	REC/UH	16K	-2	80.3/72.4	206/-69	211/12:36:10	00:54.6	
		BB1	SDR 253	251 2	0	0		67.62	29.00		DN0004/01	1			
		GRID ON LANDER TOP													
11A069/D09	15:32.54	SINGLE	145 0/225.0	-30 .04	0/2	1	4	RT/UH	16K	-12	282.3/46.9	221/-49	211/17:09.05	06:35.5	
		BB2 *	ISDR 1734	0 0	267	6		109.70	43.94		DN0004/02	3			
		TRENCH PICTURE TAKEN TO DETERMINE DOWNWIND TRANSPORT OF PARTICLES SPILLED FROM SAMPLE HEAD. FRACTURES ON GENERAL SURFACE OF NEAR FIELD DRIFT SHOWN. USABLE IMAGE FROM ABOUT 180 TO 215 AZIMUTH (CACCS).													
12A070/D10	10:10.27	SINGLE	110.0/117.5	-40 .04	8/2	1	4	RT/SB	250	-4	80.1/61.5	204/-58	212/12:26:14	44:27.0	
		BB1 *	ISDR 195	189 6	0	0		102.49	26.92		DN0004/03	1			
		SECOND VARIABLE FEATURES SEQUENCE. FINE MATERIAL BETWEEN LARGER ROCKS. SOME DESCENT PRODUCED DEPRESSIONS													
12A071/D10	12:39 00	COLOR	147.5/187.5	-20 .12	1/1	1	4	REC/UH	16K	6	292.1/85.1	68/-88	212/14:54:46	03:34.6	
		BLU *	SDR 334	0 0	0	0		110.06	55.22		DN0004/04	1			
		GRN *	SDR 333	0 0	1	1		112.68	51.16		DN0004/05	1			
		RED *	SDR 333	0 0	1	1		128.92	46.36		DN0004/06	1			
		COLOR PICTURE OF BLOCKY PART OF SCENE. STROKE GAUGE 3 IN CENTER.													
12A072/D10	12:42:34	SINGLE	170.0/170.0	0	7/7	1	2	REC/UH	16K	8	/	/	212/14:58:20	0:18.0	
		CAL	SDR 60	0 0	0	0		00	.00		DN0004/07	1			
		CALIBRATION													
12A073/D10	12:45 00	COLOR	305 0/310.0	-10 .12	1/1	1	4	REC/UH	16K	8	288.0/83.8	55/-86	212/15:00:46	00:27.9	
		BLU	SDR 41	0 0	2	1		128.57	69.26		DN0004/08	1			
		GRN	SDR 41	0 0	2	1		120.61	64.04		DN0004/09	1			
		RED	SDR 41	0 0	2	1		127.90	67.88		DN0004/10	1			
		RTC2, CAMERA 2 RTC. SHOULD BE IN BRIGHT SUN BUT APPEARS TO BE SHADED BY HGA. COLOR CALIBRATION.													

VIKING PROJECT LIBRARY
 VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS			
12A074/010	15:29.55	COLOR	5 0/ 85.0	-10	.12	1/1	1	5	RT/UH	16K	18	282.1/47.5	44/-50	212/17:45	42 06:35.5
		BLU * COMP	595	0	0	73	2		78.94	44.69		DN0004/11	1		
		GRN * COMP	596	0	0	72	2		78.07	44.64		DN0004/12	1		
		RED * COMP	596	0	0	72	2		79.95	42.98		DN0004/13	1		
REAL TIME COLOR. USABLE FROM 40 TO 80 CACCS AZIMUTH															
12A075/011	12:00 00	SINGLE	0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	2	66.0/85.6	203/-83	213/14:55	21 00:10.1
		BB1 SDR	44	43	1	0	0		52.67	30.16		DN0004/14	1		
CAMERA 2 SCAN VER BEFORE DUSTING.															
12A076/011	12:04.59	SINGLE	.0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	4	58.7/86.6	202/-84	213/15:00.21	00:10.1 D
		BB1 SDR	44	43	1	0	0		52.86	30.36		DN0004/15	1		
CAMERA 2 SCAN VER AFTER DUSTING															
11A077/011	15:26 46	SINGLE	180.0/260.0	-10	.04	5/2	1	4	RT/UH	16K	6	281.9/48.2	221/-51	213/18:22.08	06:35.5
		BB4 * COMP	1809	0	0	192	2		134.31	27.77		DN0004/16	3		
HI RES OUT TO HORIZON USABLE FROM 205 TO 254 DEG. CACCS AZIMUTH. DRIFT AREA OVER TO POSSIBLE OUTCROP.															
11A078/012	08:24 59	SINGLE	150.0/250.0	-30	.04	0/2	1	4	REC/UH	16K	-10	76.0/38.4	16/-35	214/11:59.56	08:54.5
		BB2 * COMP	2498	0	0	3	2		67.16	20.71		DN0004/17	4		
GOOD IMAGE OF ROCKS WITH MOATS NEAR TRENCH. TRENCH AND MATERIAL SPILLED FROM SAMPLE HEAD IMAGED. CRACKS IN SURFACE NEAR TRENCH															
11A079/012	08:34:59	SINGLE	182.5/235.0	-50	.04	8/2	1	4	REC/UH	16K	-10	76.5/40.6	17/-38	214/12:09.56	04:41.2
		BB1 * ISDR	1319	1314	6	1	1		73.30	30.00		DN0004/18	2		
FOOTPAD 2 IS BURIED BENEATH FINES OF SMALL DRIFT UPON WHICH IT DESCENDED. SOME COHESION OF MATERIAL IS INDICATED BY THE SMALL SCARP IN THE SOIL ABOVE THE FOOTPAD. SOME OF THE SURFACE PITS WERE FORMED AT LANDING, BUT MOST ARE FROM SPILLED SOIL OF SAMPLER.															
12A080/012	10:00.27	SINGLE	22.5/ 30.0	-20	.04	13/2	1	4	RT/SB	250	-2	80.0/59.4	204/-56	214/13:35.24	44 27.0
		BB3 * ISDR	193	189	10	6	1		130.19	32.99		DN0004/19	1		
TRENCH AREA OVER SURFACE SAMPLE HOUSING															
12A081/012	15:36:22	SINGLE	60.0/160.0	-50	.04	8/2	1	4	RT/UH	16K	12	282.2/46.4	44/-49	214/19:11.19	06:35.5
		BB1 * ISDR	1978	0	0	23	1		93.63	36.44		DN0004/20	3		
FRACTURED FLAT SURFACE BENEATH FORWARD ENGINE APPARENTLY SWEEPED OF FINES BY ENGINE BLAST. SURFACE SAMPLER ARM BOOM LATCH PIN AT LOWER EDGE.															
11A083/012	17:36.59	SINGLE	47.5/ 52.5	30	.04	4/2	1	2	REC/UH	16K	6	289.1/19.9	228/-22	214/21:11:56	00:27.9 D
		SUN ISDR	127	126	1	0	0		31.34	3.57		DN0004/21	1		
SOLAR EXTINCTION SERIES.															
11A084/012	18:23 59	SINGLE	50.0/ 55.0	20	.04	4/2	1	2	REC/UH	16K	6	292.5/10.1	232/-13	214/21:58:56	00:27.9
		SUN ISDR	126	126	1	1	1		31.04	1.07		DN0004/22	1		
SOLAR EXTINCTION SERIES.															

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS				
11A085/012	18 47 59	SINGLE SUN	52.5/ 57.5 ISDR 127 126	10 126	.04 1	4/2 0	1 0	2 0	REC/UH 30.19	16K 1.61	4 294.5/ 5.2 DN0004/23	234/ -8 1	214/22:22:56	00:27.9
SOLAR EXTINCTION SERIES.														
11A086/012	18 58:59	SINGLE SUN	52.5/ 57.5 SDR 128 126	10 126	.04 2	4/2 0	1 0	2 0	REC/UH 31.00	16K .05	4 295.5/ 2.9 DN0004/24	234/ -5 1	214/22:33:56	00:27.9
SOLAR EXTINCTION SERIES.														
11A087/013	05:35:59	SINGLE SUN	180.0/185.0 ISDR 128 126	10 126	.04 2	4/2 0	1 0	2 0	REC/UH 32.10	16K 1.78	-17 64.5/ 8.5 DN0005/01	3/ -0 1	215/09:50:31	00:27.9
SOLAR EXTINCTION SERIES.														
11A088/013	05:47:59	SINGLE SUN	182.5/187.5 SDR 128 126	10 126	.04 2	4/2 0	1 0	2 0	REC/UH 32.62	16K 1.99	-17 65.5/ 5.2 DN0005/02	5/ -2 1	215/10:02:31	00:27.9
SOLAR EXTINCTION SERIES.														
11A089/013	06:11:59	SINGLE SUN	185.0/190.0 ISDR 127 126	20 126	.04 1	4/2 0	1 0	2 0	REC/UH 32.20	16K 1.95	-17 67.5/10.1 DN0005/03	7/ -7 1	215/10:26:31	00:27.9
SOLAR EXTINCTION SERIES.														
11A090/013	06:59:59	SINGLE SUN	187.5/192.5 SDR 127 126	30 126	.04 1	4/2 0	1 0	2 0	REC/UH 32.56	16K 3.06	-15 71.0/20.2 DN0005/04	11/ -17 1	215/11:14:31	00:27.9
SOLAR EXTINCTION SERIES.														
11A091/013	07:29 59	IR IR3 IR2 IR1	35.0/ 40.0 ISDR 42 0 0 ISDR 41 0 0 ISDR 41 0 0	-10 0 0 0 0 0 0	.12 0 0 0	9/1 1 2 2	1 1 1 1	4 1 1 1	REC/UH 66.95 28.77 70.03 30.78 77.89 35.18	16K 28.77 30.78 35.18	-15 73.0/26.6 DN0005/05 DN0005/06 DN0005/07	13/ -24 1 1 1	215/11:44:31	00:27.9
IR PICTURE OF RTC3. THE CAM 1 RTC.														
12A092/013	09:06:27	SINGLE SURV *	132.5/150.0 SDR 188 147 43	-30 43	.12 2	14/3 2	1 1	4 1	RT/SB 103.97	250 30.19	-8 78.1/47.5 DN0005/08	202/ -44 1	215/13:20:59	43:27.0
POSSIBLE OUTCROP BELOW HORIZON. 43 LINES OF RESCAN.														
11A093/013	11.53 59	IR IR1 * IR3 IR2	205.0/280.0 COMP 624 0 0 ISDR 624 0 0 ISDR 624 0 0	-30 0 0 0 0 0 0	.12 0 0 0	9/1 2 2 2	1 1 1 1	4 1 1 1	REC/UH 121.42 26.32 101.68 24.08 105.23 24.70	16K 26.32 24.08 24.70	0 71.5/84.5 DN0005/11 DN0005/09 DN0005/10	21/ -81 1 1 1	215/16:08:31	06:41.2 D
IR IMAGE OF SAMPLE SITE. INCLUDES TRENCH														
11A094/013	11.60:42	SINGLE CAL	170.0/170.0 SDR 61 0 0	0 0 0	0 0	7/7 0	1 0	2 0	REC/UH .00	16K .00	0 DN0005/12	/ 1	215/16:15:12	0:18.0
CALIBRATION														
11A095/013	13.23 59	SINGLE SURV *	15.0/ 35.0 ISDR 166 0 0	-20 0 0	.12 0	14/3 2	1 1	5 1	REC/UH 68.37 39.20	16K 39.20	4 279.6/75.2 DN0005/13	218/ -78 1	215/17:38:31	00:36.8
GCMS PDA DEPLOYED. RTG2 WITH US FLAG AND HORIZON IN BACKGROUND.														

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS		
11A096/014	06:56:20	SINGLE SURV	15.0/ 35.0 SDR 169 168	-20 .12 1	14/3 0	1 3	REC/UH 110.42	16K 69.53	-15	70.9/19.5 DN0005/14	10/-16 1	216/11:50:27	00:36.8	
UNSUCCESSFUL ATTEMPT TO IMAGE COLLECTOR HEAD OVER GCMS PDA														
11A097/014	07:30:00	SINGLE BB3 *	132.5/252.5 COMP 2999	-10 .04 0 0	13/2 2	1 4	REC/UH 66.75	16K 38.87	-15	73.0/26.6 DN0005/15	13/-24 4	216/12:24:07	10:41.2	
SCENE OF DRIFTS AND BIG JOE. APPARENT LAYERS OR RIPPLES WELL DISPLAYED.														
11A098/014	10:10:27	SINGLE BB2 *	212.5/220.0 ISDR 195 189	-30 .04 6	0/2 0	1 4	RT/SB 96.94	250 31.43	-4	80.5/61.7 DN0005/16	21/-58 1	216/15:04:35	44:27.0	
SECOND DIG AT TRENCH SITE.														
11A099/014	13:24:00	SINGLE SURV *	15.0/ 35.0 ISDR 178 168	-20 .12 11	14/3 1	1 5	REC/UH 67.60	16K 37.67	4	279.4/88.2 DN0005/17	15/-86 1	216/18:18:07	00:38.8	
GCMS PDA AFTER SAMPLE DELIVERY														
11A100/015	07:30:00	SINGLE BB1	260.0/262.5 ISDR 74 64	-50 .04 10	8/2 0	1 3	REC/UH 91.88	16K 28.86	-15	73.1/26.7 DN0005/18	13/-24 1	217/13:03:42	00:16.6	
HI RES OF DISTURBED SOIL NEAR S/C														
12A101/015	13:40:00	SINGLE BB1	285.0/290.0 SDR 137 126	-20 .04 11	8/2 0	1 4	REC/UH 98.25	16K 49.99	6	278.8/71.5 DN0005/19	40/-74 1	217/19:13:42	00:29.9	
RTC MAGNET WITH MAGNETIC MATERIAL ADHERING TO FORM A BULLS EYE PATTERN														
12A102/015	13:43:00	SINGLE BB1 *	80.0/100.0 SDR 512 501	-40 .04 11	8/2 0	1 4	REC/UH 120.81	16K 22.99	6	278.8/70.9 DN0005/20	40/-73 1	217/19:16:42	01:49.9	
SITE OF SAMPLE DUMP														
12A103/016	07:29:59	SINGLE BB1 *	112.5/160.0 ISDR 1200 1189	-50 .04 11	8/2 0	1 3	REC/UH 101.52	16K 39.71	-12	73.2/26.7 DN0005/21	196/-23 2	218/13:43:17	04:16.5	
AREA NEAR FOOTPAD 3 SMALL PEBBLES AND ROCKS														
12A104/016	09:00:27	SINGLE BB1 *	110.0/117.5 ISDR 197 189	-40 .04 11	8/2 3	1 4	RT/SB 89.86	250 28.02	-6	78.1/46.3 DN0005/22	202/-43 1	218/15:13:45	44:27.0	
SAMPLE SITE AREA														
11A105/017	07:29:59	SINGLE SURV	215.0/230.0 SDR 137 126	0 .12 11	14/3 0	1 4	REC/UH 57.32	16K 39.40	-15	73.2/26.7 DN0005/23	13/-24 1	219/14:22:52	00:29.9	
PICTURE OF EXTENDED SAMPLE ARM WITH HEAD														
12A106/017	10:00:27	SINGLE SURV *	92.5/ 57.5 ISDR 183 0	-10 .12 0	14/3 26	1 4	RT/SB 128.25	250 62.98	-2	80.5/59.6 DN0005/24	205/-56 1	219/16:53:20	43:27.0	
EXTENDED BOOM OF SURFACE SAMPLER														
12A107/018	07:30:00	SINGLE BB3 *	155.0/207.5 ISDR 1322 1314	-10 .04 8	13/2 0	1 4	REC/UH 100.85	16K 24.10	-13	74.8/26.7 DN0005/25	198/-24 2	220/15:02:28	04:43.2	
HI RES OF NEAR FIELD ROCKS. NEAR ZERO PHASE ANGLE APPEARS TO ENHANCE SHADING VARIATIONS.														

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS				
12A108/018	07:40:00	SINGLE	142.5/167.5	-30 .04	0/2	1	4	REC/UH	16K	-12	73.9/28.9	197/-26	220/15:12:28	02:16.6
		BB2 * ISDR	637	626 11	0	0	84.61	34.98	DN0005/26	1				
SURFACE NEAR FOOTPAD 3 WITH PEBBLY OR GRAVELY APPEARANCE														
12A109/018	12:10:27	SINGLE	295.0/302.5	-30 .04	8/2	1	5	RT/SB	250	4	43.4/88.0	203/-85	220/19:42:56	43:27.0
		BB1 ISDR	190	189 1	0	0	71.46	34.26	DN0005/27	1				
GRID ON LANDER TOP.														
12A110/019	07:12:00	SINGLE	265.0/310.0	-10 .04	13/2	1	4	REC/UH	16K	-13	72.2/22.9	195/-20	221/15:24:03	04:03.2
		BB3 * ISDR	1137	1126 11	0	0	61.94	40.32	DN0005/28	2				
EARLY MORNING NEAR FIELD														
11A111/019	07:20:00	SINGLE	40.0/ 60 0	-10 .04	13/2	1	4	REC/UH	16K	-15	72.7/24.6	12/-22	221/15:32:03	01:49.9
		BB3 * ISDR	512	501 11	0	0	80.18	31.20	DN0005/29	1				
SURFACE OVER SEISMOMETER. FINES AND ROCKS.														
12A112/019	07:59:00	SINGLE	15.0/ 90 0	0 .04	5/2	1	4	REC/UH	16K	-10	75.1/33.0	198/-30	221/16:11:03	06:43.2
		BB4 * ISDR	1884	1876 8	0	0	103.73	66.00	DN0005/30	3				
EARLY MORNING VIEW OF HORIZON AND PART OF DRIFT FIELD.														
12A113/019	08:48:27	SINGLE	32.5/ 57.5	-10 .12	14/3	1	4	RT/SB	250	-6	77.7/43.8	201/-41	221/17:00:31	43:27.0
		SURV * ISDR	199	0 0	10	2	84.46	41.62	DN0005/31	1				
CHECK ON SAMPLE ARM EXTENSION.														
11A114/019	15:17:02	SINGLE	190.0/322.5	-30 .04	0/2	1	4	RT/UH	16K	8	280.9/49.9	220/-52	221/23:29:06	11:46.0
		BB2 * ISDR	3308	0 0	6	1	109.53	34.15	DN0005/32	5				
HIGH QUALITY IMAGE OF NEAR FIELD SHOWS PITTED ROCK WITH MOAT AND TWO TRENCHES.														
11A115/019	15:49:01	SINGLE	182.5/195.0	-50 .04	8/2	1	4	RT/UH	16K	8	282.4/42.9	221/-45	222/00:01:04	01:01.0
		BB1 ISDR	284	0 0	30	1	35.73	13.61	DN0005/33	1				
UPPER PART OF LEG 2														
12A116/020	07:53:59	SINGLE	90.0/217.5	0 .04	5/2	1	4	REC/UH	16K	-12	74.9/31.9	198/-29	222/16:45:38	11:23.2
		BB4 * ISDR	3197	3189 8	0	0	122.27	31.95	DN0006/01	5				
EARLY MORNING VIEW TO HORIZON. LOW PHASE ANGLE. IN MOST OF PICTURE.														
11A117/020	08:46:27	COLOR	212.5/220.0	-30 .12	1/1	1	4	RT/SB	250	-12	77.7/43.3	18/-40	222/17:38:06	44:27.0
		BLU * SDR	62	0 0	2	1	55.32	16.78	DN0006/02	1				
		GRN * SDR	62	0 0	2	1	68.64	21.43	DN0006/03	1				
		RED * SDR	62	0 0	2	1	87.93	28.63	DN0006/04	1				
COLOR OF TRENCH. SURFACE SAMPLER COLLECTOR HEAD.														
11A118/020	14:49:59	SINGLE	217.5/227.5	0 .04	8/2	1	5	REC/UH	16K	6	279.7/55.9	218/-58	222/23:41:38	00:56.6
		BB1 SDR	260	251 9	0	0	69.34	14.40	DN0006/05	1				
DIRECT VIEW OF STRONG MAGNET ON BACKHOE IN SUNLIGHT														

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
		DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS						
12A119/020	15:14.51	SINGLE BB3 *	5.0/137.5 ISDR 3308	-10 0 0	.04 0 0	13/2 6	1 1	4 120.59	RT/UH 33.00	16K	8 280.8/50.4	43/-53 DN0006/06	223/00:06:30	11:46.0	
AREA OF POSSIBLE OUTCROP. STREWN FIELD OF ROCKS WELL IMAGED.															
11A120/020	15:46.49	SINGLE BB1 *	182 5/195 0 ISDR 284	-50 0 0	.04 0 0	8/2 30	1 1	4 37.47	RT/UH 15.23	16K	8 282.3/43.4	221/-46 DN0006/07	223/00:38 28	01:01.0	
SAME AS 11A115 UPPER PART OF LEG 3 FRACTURES IN FINE SURFACE MATERIAL SEEN IN BACKGROUND.															
12A121/020	17:07:59	SINGLE BLU	185 0/232.5 ISDR 408	10 397 11	.12 0 0	1/3 0	1 0	5 79.09	REC/UH 70.00	16K	10 286.8/25.7	49/-28 DN0006/08	223/01:59:38	01:27.7	
ATMOSPHERE SCATTERING EXPERIMENT. BLUE SINGLET															
12A122/020	17:11:59	SINGLE IR2	185.0/232.5 SDR 408	10 397 11	.12 0 0	10/3 0	1 0	5 88.40	REC/UH 66.93	16K	10 287.1/24 9	50/-27 DN0006/09	223/02:03:38	01:27.7	
ATMOSPHERE SCATTERING EXPERIMENT. IR2 SINGLET															
12A123/020	17:13:26	SINGLE CAL	170 0/170.0 SDR 61	0 0 0	0 0 0	15/7 0	1 0	2 0.00	REC/UH 0.00	16K	12 /	/	223/02:05:05	0:18.0	
CALIBRATION															
12A124/021	07:29.59	SINGLE BB1 *	77.5/117.5 ISDR 1010	-50 1001 9	.04 0 0	8/2 0	1 0	3 101.42	REC/UH 36.72	16K	-12 73 5/26.7	197/-24 DN0006/11	223/17:01:13	03:36.6	
NEAR FIELD FINES AND DISTURBED AREA. BOOM PIN.															
12A125/021	08:09.59	SINGLE BB4 *	227.5/290.0 ISDR 1575	0 1564 11	.04 0 0	5/2 0	1 0	4 130.93	REC/UH 35.82	16K	-10 75 9/35.4	199/-32 DN0006/12	223/17:41:13	05:36.5	
ROCKS OUT TO HORIZON AND SOME DRIFTS.															
12A126/021	10.00:27	SINGLE BB1	295 0/302.5 ISDR 188	-30 189 6	.04 0 0	8/2 7	1 1	5 61.25	RT/SB 30.92	250	-2 81 0/59.7	205/-56 DN0006/13	223/19:31.41	43:27.0	
GRID															
11A127/021	15.12 30	SINGLE BB3 *	202 5/335.0 ISDR 3308	-10 0 0	.04 0 0	13/2 6	1 1	4 113.02	RT/UH 39.48	16K	6 280 6/50.9	219/-53 DN0006/14	224/00:43:44	11:46.0	
VIEW EXTENDING FROM DRIFTS TO RIGHT ACROSS POSSIBLE BEDROCK															
11A128/021	15:44 28	SINGLE BB1 *	182.5/195.0 ISDR 286	-50 0 0	.04 0 0	8/2 28	1 1	4 40.57	RT/UH 19.87	16K	8 282.1/43.9	221/-46 DN0006/15	224/01:15:42	01:01.0	
SAME AS 11A115 AND 11A120. UPPER PART OF LEG 3															
11A129/022	08:10.00	SINGLE BB4 *	100.0/195.0 SDR 2384	0 2376 8	.04 0 0	5/2 0	1 0	4 121.99	REC/UH 57.96	16K	-12 76.0/35.4	16/-32 DN0007/01	224/18:20:49	08.29.9	
DRIFT FIELD IN MORNING SUN															
11A130/022	10:10.27	SINGLE BB3	295 0/305 0 ISDR 193	-20 0 0	.04 0 0	13/2 58	1 2	4 91.39	RT/SB 45.19	250	-4 81.5/61.9	22/-59 DN0007/02	224/20.21:17	44:27.0	
PEBBLES IN NEAR FIELD															

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A131/022	13.22	00	SINGLE 150 0/192 F BB3 * ISDR 1075 1064 11 VIEW OF BIG JOE AND OTHER SEDIMENT COVERED ROCKS NEAR HORIZON.	-10 .04	13/2	1 4	REC/UH	16K	16K	6	277.6/75.4	215/-78	224/23.32:49	03:49.9	
11A132/022	15.09	59	SINGLE 195 0/327.5 BB1 * ISDR 3306 0 0 NEAR FIELD FINES DISTURBED SURFACE.	-50 .04	8/2	1 4	RT/UH	16K	16K	8	280.3/51.4	219/-54	225/01.20:49	11:46.0	
11A133/022	15:41.58		SINGLE 237.5/250 0 BB1 * ISDR 284 0 0 PITS IN FINES NEAR S/C.	-50 .04	8/2	1 4	RT/UH	16K	16K	10	281.8/44.4	221/-47	225/01:52:47	01:01.0	
12A134/023	05:50	00	SINGLE 85 0/100.0 BLU ISDR 137 126 11 BLUE SINGLET FOR MORNING FOG EXPERIMENT	-10 .12	1/3	1 3	REC/UH	16K	16K	-15	66.3/ 5.7	189/ -3	225/16:40:24	00.29.9	
12A135/023	09:10	00	SINGLE 177 5/200 0 BB4 * ISDR 576 564 12 HI RES OF CRATER ON HORIZON	0 .04	5/2	1 4	REC/UH	16K	16K	-8	79.1/48.5	203/-45	225/20:00.24	02:03.2	
12A136/023	15.07.17		SINGLE 30 0/162.5 BB1 * ISDR 3308 0 0 NEAR S/C CRACKED FLAT ROCK OR SOIL PROBABLY SWEPT CLEAN BY ENGINE BLAST. OTHER ENGINE RELATED FEATURES	-50 .04	8/2	1 4	RT/UH	16K	16K	8	280 1/52.0	42/-54	226/01.57:42	11:46.0	
11A137/023	15.39.16		SINGLE 247.5/260 0 BB1 * ISDR 284 0 0 MOSTLY SHADOW	-50 .04	8/2	1 4	RT/UH	16K	16K	8	281 6/45.0	220/-47	226/02:29:40	01:01.0	
11A138/024	09:19:59		SINGLE 182.5/230 0 BB1 * ISDR 1200 1189 11 BURIED FOOTPAD 3 AND DISTURBED FINE SOIL	-50 .04	8/2	1 4	REC/UH	16K	16K	-8	79 7/50.7	20/-48	226/20:49:59	04:14.5	
12A139/024	09.36	27	SINGLE 105 0/115 0 BB3 * ISDR 196 0 0 TAKEN IN SEARCH FOR XRF'S SAMPLE SITE	-30 .04	13/2	1 4	RT/SB	250	250	-4	80.5/54.4	204/-51	226/21:06:27	44:27.0	
12A140/024	15:04.26		SINGLE 5 0/145 0 BB2 * ISDR 1183 0 0 TRENCH SEEN OVER METEOROLOGY BOOM HOUSING ABUNDANT ENGINE PITS. GOOD PICTURE OF NEAR FIELD ROCKS. DIRECT VIEW OF BACKHOE MAGNET AFTER SAMPLE DELIVERY	-30 .04	0/2	1 4	RT/UH	16K	16K	10	279.9/52.6	42/-55	227/02:34.26	11:46.0	
11A141/024	15:36.24		SINGLE 320.0/335 0 BB2 * ISDR 284 0 0 CAM 1 VIEW OF SCOOPED OUT ROCK	-30 .04	0/2	1 4	RT/UH	16K	16K	8	281 4/45.6	220/-48	227/03.06:24	01:01.0	
11A142/025	05:44.59		SINGLE 292 5/335 0 BB4 * ISDR 1065 1064 1 FIELD OF ROCKS AND POSSIBLE OUTCROP.	-10 .04	5/2	1 3	REC/UH	16K	16K	-15	66.0/ 4.6	5/ -2	227/17:54:34	03:47.9	

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS				
11A143/025	14:59.39	SINGLE	155.0/202.5	-10 .04	5/2	1	4	RT/UH	16K	6	279.5/53.6	218/-56	228/03:09:14	04:20.0	
		BB4 * ISDR	1218	1189 29	0	0	134.46	26.16			DN0007/15	2			
		BIG JOE WITH FRONT LIGHT, DRIFTS, AND BURIED BOULDERS													
11A144/025	15:30.27	SINGLE	155.0/210.0	-30 .04	0/2	1	4	RT/UH	16K	8	281.0/46.8	220/-49	228/03:40:02	04:10.0	
		BB2 * ISDR	1170	0 0	206	1	95.12	40.39			DN0007/16	2			
		DISTURBED FINES NEAR S/C													
12A145/026	10:00.27	SINGLE	282.5/307.5	-30 .12	14/3	1	4	RT/SB	250	-2	81.7/59.7	206/-56	228/22:49:38	43:27.0	
		SURV ISDR	190	0 0	19	3	120.75	62.05			DN0008/01	1			
		TOP OF LANDER AND GRID. RTC 1 IN SHADOW													
11A146/026	11:42.00	COLOR	35.0/40.0	-10 .12	1/1	1	4	REC/UH	16K	-2	81.9/82.3	27/-79	229/00:31:10	00:27.9	
		BLU ISDR	42	0 0	1	1	114.93	45.50			DN0008/02	1			
		GRN ISDR	41	0 0	2	1	129.87	45.84			DN0008/03	1			
		RED ISDR	41	0 0	2	1	138.49	44.66			DN0008/04	1			
		COLOR OF CAMERA 1 RTC (RTC3).													
11A147/026	11:44.00	COLOR	205.0/305.0	-30 .12	1/1	1	4	REC/UH	16K	0	81.6/82.7	27/-79	229/00:33:10	08:54.5	
		BLU * ISDR	833	0 0	1	1	81.24	31.95			DN0008/05	1			
		GRN * ISDR	832	0 0	2	1	101.01	34.42			DN0008/06	1			
		RED * ISDR	832	0 0	2	1	127.45	38.60			DN0008/07	1			
		COLOR OF TRENCH AREA OUT TO HORIZON													
11A148/026	11:59.00	IR	35.0/40.0	-10 .12	9/1	1	4	REC/UH	16K	2	76.5/86.0	27/-83	229/00:48:10	00:27.9	
		IR3 ISDR	42	0 0	1	1	109.31	38.80			DN0008/08	1			
		IR2 ISDR	42	0 0	1	1	113.11	40.33			DN0008/09	1			
		IR1 ISDR	41	0 0	2	1	123.20	43.48			DN0008/10	1			
		IR OF CAMERA 1 RTC (RTC3).													
11A149/026	12:01.00	IR	205.0/305.0	-30 .12	9/1	1	4	REC/UH	16K	2	75.1/86.5	27/-83	229/00:50:10	08:54.5	
		IR3 ISDR	833	0 0	1	1	100.57	31.33			DN0008/11	1			
		IR2 ISDR	831	0 0	3	2	103.69	32.14			DN0008/12	1			
		IR1 * ISDR	832	0 0	2	1	116.65	35.44			DN0008/13	1			
		IR OF TRENCH AREA SAME AREA AS COLOR 11A147.													
11A150/026	12:16.00	SINGLE	35.0/40.0	-10 .12	14/3	1	4	REC/UH	16K	4	5.7/89.1	26/-87	229/01:05:10	00:10.1	
		SURV ISDR	44	43 1	0	0	129.82	45.38			DN0008/14	1			
		SURVEY SINGLET OF RTC 3													
11A151/026	12:18.00	SINGLE	205.0/305.0	-30 .12	14/3	1	4	REC/UH	16K	6	343.0/88.9	25/-87	229/01:07:10	02:59.0	
		SURV ISDR	836	834 2	0	0	122.27	36.09			DN0008/15	1			
		SURVEY SINGLET OF SCENE OF TRENCH TAKEN IN COLOR (11A147) AND IR (11A149).													
12A152/026	14:56.24	SINGLE	132.5/192.5	-30 .04	0/2	1	4	RT/UH	16K	8	279.3/54.3	41/-57	229/03:45:35	04:20.0	
		BB2 * ISDR	1217	0 0	284	1	89.76	33.94			DN0008/16	2			
		AREA OF ROCKS NEAR SCOOPED OUT LOOKING ROCK													

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A153/026	15:27.20	SINGLE BB4 *	132.5/192.5 ISDR 1169	-10 0	.04 0	5/2 332	1 2	4 86.26	RT/UH 29.03	16K	10 280 7/47.5 DN0008/17	5 2	43/-50	229/04:16:30	04:10.0
ABUNDANT BLOCKS AND POSSIBLE OUTCROP															
11A154/027	07:20.00	SINGLE BB4 *	30.0/100.0 ISDR 1751 1751	0 1	.04 1	5/2 1	1 1	4 100.51	REC/UH 33.98	16K	-13 73 4/24.6 DN0008/18	6 3	13/-22	229/20:48:45	06:14.5
HI RES OF HORIZON FEATURES															
12A155/027	07:30:00	SINGLE BB4 *	217.5/227.5 ISDR 248	0 0	.04 0	5/2 3	1 2	4 121.86	REC/UH 25.90	16K	-12 74.0/26.7 DN0008/19	6 1	197/-24	229/20:58:45	00:54.6
HI RES OF PART OF HORIZON															
11A156/027	07:34.00	SINGLE BB4 *	195.0/290.0 ISDR 2373	0 0	.04 0	5/2 3	1 2	4 97.33	REC/UH 60.53	16K	-13 74 3/27.6 DN0008/20	6 3	14/-25	229/21:02:45	08:27.9
GOOD IMAGE OF LARGE BLOCKS ON HORIZON AND SOME FEATURES OF DRIFTS															
11A157/027	07:50.00	SINGLE BB4 *	290.0/310.0 ISDR 504 501	0 3	.04 3	5/2 0	1 0	4 107.93	REC/UH 35.04	16K	-10 75.2/31.0 DN0008/21	6 1	15/-28	229/21:18:45	01:47.9
DETAIL OF PART OF HORIZON															
11A158/027	08:00.00	SINGLE BB4 *	310.0/327.5 ISDR 440 439	0 1	.04 1	5/2 0	1 0	4 115.56	REC/UH 27.31	16K	-10 75 8/33.2 DN0008/22	6 1	16/-30	229/21:28:45	01:34.6
AREA OF LIGHT SHADE POSSIBLE BEDROCK															
11A159/027	09:34.27	SINGLE BB3 *	155.0/165.0 ISDR 194	-10 0	.04 0	13/2 57	1 1	3 145.98	RT/SB 65.98	250	-4 80.7/53.9 DN0008/23	9 1	21/-51	229/23:03:13	44:27.0
HI RES OF BIG JOE WITH SIDE LIGHTING															
12A160/027	10:42.00	COLOR BLU GRN RED	285.0/290.0 ISDR 42 ISDR 42 ISDR 41	-20 0 0 0	.12 0 0 0	1/1 1 1 2	1 1 1 1	4 113.65 116.65 133.99	REC/UH 63.60 61.89 61.82	16K	-2 83 3/68.9 DN0008/24 DN0008/25 DN0008/26	9 1 1 1	208/-66	230/00:10:45	00:27.9
COLOR OF RTC1 MAGNET - FIRST COLOR OF MAGNET															
11A161/027	12 50.01	SINGLE BB1	0/ SDR 44	5.0 43	0 1	.12 1	8/3 0	1 0	4 74.44	REC/UH 65.96	16K	6 277 5/82.4 DN0008/27	213/-85	230/02:18:47	00:10.1
CAMERA 1 SCAN VERIFICATION															
11A162/027	12:49.43	SINGLE CAL	170.0/170.0 SDR 61	0 0	0 0	15/7 0	1 0	2 0	REC/UH .00	16K	6 / DN0008/28	/ 1		230/02:18:29	0:18.0
CALIBRATION															
12A163/027	12:52.00	SINGLE BB1	.0/ SDR 44	5.0 43	0 1	.12 1	8/3 0	1 0	4 56.27	REC/UH 30.62	16K	4 277.3/82.0 DN0008/29	36/-84	230/02:20:45	00:10.1
CAMERA 2 SCAN VERIFICATION															

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS		
12A164/027	14:52:59	SINGLE	175.0/235.0	-10 .04	5/2	1	4	RT/UH	16K	8	279.0/55.1	41/-58	230/04:21:45	04:20.0
		BB4 * ISDR	1217	0 0	284	1		109.55	48 47		DN0008/30	2		
		ROCK FIELD												
12A165/027	15:23:54	SINGLE	220.0/280.0	0 .04	5/2	1	4	RT/UH	16K	10	280.4/48.2	43/-51	230/04:52:40	04:10.0
		BB4 * ISDR	1170	0 0	331	1		102.55	41 93		DN0008/31	2		
		HORIZON FEATURES OVER RTG2												
11A166/028	10:10:09	SINGLE	155.0/180.0	10 .12	1/3	1	5	RT/SB	250	-4	82.0/61.2	22/-58	231/00:18:30	44:27.0
		BLU * ISDR	194	0 0	15	1		80.65	35.92		DN0009/01	1		
		BLUE SINGLET FOR CLOUD STUDY. BIG JOE. NO CLOUDS												
12A167/028	11:41:41	COLOR	285.0/290.0	-20 .12	1/1	1	4	REC/UH	16K	2	81.8/81.6	210/-78	231/01:50:02	00:27.9
		BLU ISDR	42	0 0	1	1		109.35	64 13		DN0009/02	1		
		GRN ISDR	42	0 0	1	1		111.25	61.67		DN0009/03	1		
		RED ISDR	41	0 0	2	1		127.43	63.07		DN0009/04	1		
		CENTER RTC IN SHADOW (RTC1).												
12A168/028	11:43:41	COLOR	57.5/145.0	-30 .12	1/1	1	4	REC/UH	16K	2	81.5/82.1	210/-79	231/01:52:02	07:47.9
		BLU * ISDR	728	0 0	2	2		93.98	28 03		DN0009/05	1		
		GRN * ISDR	727	0 0	3	2		101.49	30 05		DN0009/06	1		
		RED * ISDR	728	0 0	2	1		126.53	35.57		DN0009/07	1		
		COLOR LOOKING OUT TO FRONT OF LANDER. CAN SEE PART OF CRACKED MATERIAL BENEATH LANDER.												
12A169/028	11:58:41	IR	285.0/290.0	-20 .12	9/1	1	4	REC/UH	16K	6	77.2/85.4	210/-82	231/02:07:02	00:27.9
		IR3 ISDR	42	0 0	1	1		126.76	63.51		DN0009/08	1		
		IR2 ISDR	42	0 0	1	1		125.72	62.48		DN0009/09	1		
		IR1 ISDR	41	0 0	2	1		134.99	63 11		DN0009/10	1		
		IR OF CENTER RTC IN SHADOW												
12A170/028	12:00:41	IR	57.5/145.0	-30 .12	9/1	1	4	REC/UH	16K	6	76.0/85.8	210/-83	231/02:09:02	07:47.9
		IR3 ISDR	729	0 0	1	1		98.23	27.62		DN0009/11	1		
		IR2 ISDR	727	0 0	3	2		96.52	27.68		DN0009/12	1		
		IR1 * ISDR	728	0 0	2	1		110.89	31 16		DN0009/13	1		
		IR OF SAME AREA AS COLOR PICTURE 12A168 LOOKING TO FRONT OF LANDER.												
12A171/028	12:15:41	SINGLE	285.0/290.0	-20 .12	14/3	1	4	REC/UH	16K	8	35.8/88.8	210/-86	231/02:24:02	00:10.1
		SURV SDR	45	43 2	0	0		121.50	59.18		DN0009/14	1		
		CENTER RTC IN SHADOW.												
12A172/028	12:17:41	SINGLE	57.5/145.0	-30 .12	14/3	1	4	REC/UH	16K	10	14.0/89.0	209/-86	231/02:26:02	02:36.8
		SURV ISDR	732	730 2	0	0		115.94	31.94		DN0009/15	1		
		SURVEY TO ACCOMPANY COLOR 12A168 AND IR 12A170 OF AREA IN FRONT OF LANDER.												
11A173/028	14:49:34	SINGLE	10.0/60.0	0 .04	5/2	1	4	RT/UH	16K	10	278.8/56.2	216/-59	231/04:57:55	04:20.0
		BB4 * ISDR	1217	0 0	34	1		109.34	42.22		DN0009/16	2		
		DETAIL OF HORIZON TO REAR OF LANDER												

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE		STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS			
11A174/028	15:20:23	SINGLE BB4 * DETAIL OF HORIZON	55 0/105.0 ISDR 1170	0	.04	5/2 81	1	4	RT/UH 105.55	16K 62.22	10	280 2/49.4 DN0009/17	218/-52 2	231/05:28:44	04 10.0
12A175/028	18:06:20	SINGLE SUN SUN DIODE FOR EXTINCTION STUDIES	232.5/235 0 SDR 65	20 64	.04 1	4/2 0	1	1	REC/UH 59.90	16K 5.20	10	289.9/13.3 DN0009/18	52/-16 1	231/08:14:41	00:14.6
12A176/028	21:51:07	SINGLE BLU PHOBOS	55.0/ 60.0 SDR 127	30 126	.04 1	1/2 0	1	2	REC/UH 31.96	16K 4.17	-2	316 3/-29 DN0009/19	78/ 27 1	231/11:59:28	00:27.9
12A177/028	22:11:46	SINGLE BLU PHOBOS	47.5/ 52.5 SDR 127	20 126	.04 1	1/2 0	1	1	REC/UH 61.44	16K 6.40	-4	320 3/-32 DN0009/20	81/ 30 1	231/12:20:07	00:27.9
12A178/029	00:01:40	SINGLE BLU DEIMOS	185.0/190.0 SDR 127	30 126	.04 1	1/2 0	1	0	REC/UH 119.29	16K 13.48	-8	0 9/-44 DN0010/01	120/ 43 1	231/14:49:37	00:27.9
12A179/029	02:01:40	SINGLE BLU DEIMOS	190.0/195 0 SDR 127	30 126	.04 1	1/2 0	1	0	REC/UH 118.31	16K 11.25	-10	34.5/-36 DN0010/02	155/ 37 1	231/16:49:36	00:27.9
12A180/029	04:01:40	SINGLE BLU DEIMOS	192.5/197 5 ISDR 128	30 126	.04 2	1/2 0	1	0	REC/UH 119.76	16K 11.51	-13	55 5/-16 DN0010/03	177/ 18 1	231/18:49:36	00:27.9
11A181/029	04:30:40	COLOR BLU * GRN RED EARLY PRE DAWN RESCAN	177 5/177 5 SDR 37 SDR 38 SDR 37	10 2 2 2	.12 37 37 37	1/1 1 0 1	1 1 0 1	1 1 0 1	REC/UH 98.15 98.53 97.16	250 42 29 41 66 39 39	-13	59.0/-11 DN0010/04 DN0010/05 DN0010/06	357/ 13 1 1 1	231/19:18:36	25:37.2 R
11A182/029	04:57:40	COLOR BLU * GRN RED LATE PRE DAWN RESCAN	182 5/182.5 SDR 37 SDR 37 SDR 37	10 2 2 2	.12 37 37 37	1/1 1 1 1	1 1 1 1	5 1 1 1	REC/UH 84.66 79.33 66.86	250 51.00 49.37 42.01	-13	62.0/-6 0 DN0010/07 DN0010/08 DN0010/09	0/ 1 1 1	231/19:45:36	25:37.2 R
12A183/029	05:39:40	SINGLE BB4 * EARLY MORNING TO LOOK FOR GROUND FOG	75.0/100.0 ISDR 629	0 626	.04 3	5/2 0	1	3	REC/UH 63.11	16K 33 39	-15	66 0/ 2.5 DN0010/10	188/ -0 1	231/20:27:36	02:14.6
11A184/029	05:54:13	SINGLE SUN SUN DIODE AT VERY LOW SUN ELEVATION	185.0/187.5 SDR 65	10 64	.04 1	4/2 0	1	0	REC/UH 112.93	16K 3.13	-12	67.2/ 5.5 DN0010/11	6/ -3 1	231/20:42:09	00:14.6

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS			
12A185/029	06:09.40	SINGLE	75.0/100.0	0	.04	5/2	1	3	REC/UH	16K	-13	68.5/ 8.8	191/ -6	231/20:57:36	02:14.6
		BB4 * ISDR	624	0	0	2	1	116.78	70.03			DN0010/12	1		
		EARLY MORNING TO LOOK FOR GROUND FOG.													
11A186/029	06:21.43	SINGLE	187.5/190.0	20	.04	4/2	1	1	REC/UH	16K	-10	69.4/11.3	8/ -8	231/21:09:39	00:14.6
		SUN SDR	65	64	1	0	0	59.59	4.13			DN0010/13	1		
		SUN DIODE													
12A187/029	06:24.40	SINGLE	75.0/100.0	0	.04	5/2	1	3	REC/UH	16K	-13	69.7/11.9	192/ -9	231/21:12:36	02:14.6
		BB4 * ISDR	628	626	2	0	0	124.64	77.85			DN0010/14	1		
		GROUND FOG EXPERIMENT													
12A188/029	06:51.40	SINGLE	75.0/100.0	0	.04	5/2	1	3	REC/UH	16K	-12	71.6/17.7	194/ -15	231/21:39:36	02:14.6
		BB4 * ISDR	628	626	2	0	0	88.07	46.07			DN0010/15	1		
		GROUND FOG EXPERIMENT													
11A189/029	07:21.40	SINGLE	192.5/195.0	30	.04	4/2	1	2	REC/UH	16K	-8	73.6/24.1	12/ -21	231/22:09:36	00:14.6
		SUN ISDR	62	0	0	2	1	31.89	5.76			DN0010/16	1		
		SUN DIODE													
11A190/029	07:55.41	COLOR	222.5/230.0	-30	.12	1/1	1	4	REC/UH	16K	-8	75.7/31.5	15/ -28	231/22:43:38	00:41.2
		BLU ISDR	62	0	0	2	1	47.51	22.49			DN0010/17	1		
		GRN ISDR	62	0	0	2	1	57.40	22.91			DN0010/18	1		
		RED ISDR	61	0	0	3	1	70.01	25.79			DN0010/19	1		
		PHOTOMETRIC STUDY													
11A191/029	07:55.23	SINGLE	170.0/170.0	0		7/7	1	2	REC/UH	16K	-8	/	/	231/22:43:20	0:18.0
		CAL SDR	59	0	0	0	0	.00	.00			DN0010/20	1		
		CALIBRATION													
11A192/029	07:59.40	IR	222.5/230.0	-30	.12	9/1	1	4	REC/UH	16K	-8	75.9/32.4	15/ -29	231/22:47:36	00:41.2
		IR3 ISDR	61	0	0	3	1	55.52	25.23			DN0010/21	1		
		IR2 * ISDR	60	0	0	4	2	56.74	22.90			DN0010/22	1		
		IR1 ISDR	60	0	0	4	1	64.84	24.50			DN0010/23	1		
		IR PHOTOMETRY													
11A193/029	08:03.40	COLOR	185.0/187.5	-20	.12	1/1	1	4	REC/UH	16K	-6	76.1/33.2	15/ -30	231/22:51:36	00:14.6
		BLU SDR	21	0	0	1	1	51.00	17.50			DN0010/24	1		
		GRN SDR	21	0	0	1	1	61.14	20.84			DN0010/25	1		
		RED SDR	20	0	0	2	1	77.87	24.84			DN0010/26	1		
		COLOR PHOTOMETRY													
11A194/029	08:05.40	IR	185.0/187.5	-20	.12	9/1	1	4	REC/UH	16K	-6	76.3/33.7	15/ -31	231/22:53:36	00:14.6
		IR3 SDR	21	0	0	1	1	60.60	18.65			DN0010/27	1		
		IR2 SDR	21	0	0	1	1	63.05	19.84			DN0010/28	1		
		IR1 SDR	20	0	0	2	1	72.67	22.59			DN0010/29	1		
		IR PHOTOMETRY													

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS					
11A195/029	08.07.40	COLOR	300.0/302.5	-10 .12	1/1	1	4	REC/UH	16K	-6	76.4/34.1	15/-31	231/22.55:36	00:14.6	
		BLU	SDR 21	0 0	1	1	87.79	40.03			DN0010/30	1			
		GRN	SDR 21	0 0	1	1	101.92	43.51			DN0010/31	1			
		RED	SDR 20	0 0	2	1	101.84	36.82			DN0010/32	1			
		COLOR PHOTOMETRY													
11A196/029	08.09.40	IR	300.0/302.5	-10 .12	9/1	1	4	REC/UH	16K	-6	76.5/34.5	16/-31	231/22.57:36	00:14.6	
		IR3	SDR 21	0 0	1	1	75.48	24.69			DN0010/33	1			
		IR2	SDR 21	0 0	1	1	78.46	26.07			DN0010/34	1			
		IR1	SDR 20	0 0	2	1	86.35	29.60			DN0010/35	1			
		IR PHOTOMETRY													
11A197/029	08.11.40	COLOR	35.0/ 40.0	-10 .12	1/1	1	4	REC/UH	16K	-6	76.6/35.0	16/-32	231/22.59:36	00:27.9	
		BLU	SDR 42	0 0	1	1	105.80	45.33			DN0010/36	1			
		GRN	SDR 42	0 0	1	1	113.14	47.54			DN0010/37	1			
		RED	SDR 42	0 0	1	1	112.44	49.39			DN0010/38	1			
		COLOR PHOTOMETRY													
11A198/029	08.13.40	IR	35.0/ 40.0	-10 .12	9/1	1	4	REC/UH	16K	-6	76.7/35.4	16/-32	231/23.01:36	00:27.9	
		IR3	SDR 42	0 0	1	1	88.57	41.80			DN0010/39	1			
		IR2	SDR 41	0 0	2	1	91.50	44.19			DN0010/40	1			
		IR1	SDR 41	0 0	2	1	96.98	44.99			DN0010/41	1			
		CAMERA 1 RTC IN SUNLIGHT													
11A199/029	08.15.40	COLOR	275.0/277.5	-20 .12	1/1	1	4	REC/UH	16K	-6	76.8/35.9	16/-33	231/23.03:36	00:14.6	
		BLU	SDR 20	0 0	2	2	70.69	50.15			DN0010/42	1			
		GRN	SDR 21	0 0	1	1	82.98	53.89			DN0010/43	1			
		RED	SDR 19	0 0	3	2	90.93	45.18			DN0010/44	1			
		COLOR PHOTOMETRY													
11A200/029	08.17.40	IR	275.0/277.5	-20 .12	9/1	1	4	REC/UH	16K	-6	76.9/36.3	16/-33	231/23.05:36	00:14.6	
		IR3	SDR 21	0 0	1	1	67.68	30.79			DN0010/45	1			
		IR2	SDR 21	0 0	1	1	70.22	32.64			DN0010/46	1			
		IR1	SDR 20	0 0	2	1	79.82	36.43			DN0010/47	1			
		IR PHOTOMETRY													
11A201/029	08.17:54	SINGLE	170 0/170 0	0 0	15/7	1	2	REC/UH	16K	-4	/	/	231/23.05:50	0.18.0	
		CAL	SDR 61	0 0	0	0	.00	.00			DN0010/48	1			
		CALIBRATION													
11A202/029	10.30 06	SINGLE	237.5/245.0	-50 .04	8/2	1	4	RT/SB	250	2	82.8/65.7	23/-62	232/01:18:03	43:27.0	
		BB1 *	ISDR 192	189 6	3	1	120.71	20.47			DN0011/01	1			
		LOOK FOR CHANGE IN FRACTURE PATTERNS													
11A203/029	12.05:40	COLOR	222.5/230.0	-30 .12	1/1	1	4	REC/UH	16K	8	72.7/87.0	27/-84	232/02.53:36	00:41.2	
		BLU	SDR 63	0 0	1	1	83.83	27.40			DN0011/02	1			
		GRN	SDR 62	0 0	2	1	107.82	29.35			DN0011/03	1			
		RED	SDR 62	0 0	2	1	140.03	28.02			DN0011/04	1			
		COLOR PHOTOMETRIC													

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS				
11A204/029	12:09.40	IR	222 5/230.0	-30 .12	9/1	1	4	REC/UH	16K	8	66 1/87 8	27/-85	232/02:57:36	00:41.2
		IR3	ISDR 63	0 0	1	1	112.74	27 14			DN0011/05	1		
		IR2	ISDR 62	0 0	2	1	115.29	26 95			DN0011/06	1		
		IR1	ISDR 62	0 0	2	1	130.35	27.37			DN0011/07	1		
		IR PHOTOMETRIC												
11A205/029	12.13 40	COLOR	185 0/187 5	-20 .12	1/1	1	4	REC/UH	16K	8	51 6/88 6	27/-86	232/03:01:36	00:14.6
		BLU	SDR 21	0 0	1	1	92.66	35.73			DN0011/08	1		
		GRN	SDR 21	0 0	1	1	115.68	37.63			DN0011/09	1		
		RED	SDR 20	0 0	2	1	148.44	29.11			DN0011/10	1		
		COLOR PHOTOMETRIC												
11A206/029	12:15:40	IR	185 0/187 5	-20 .12	9/1	1	4	REC/UH	16K	8	37 0/88 9	27/-86	232/03:03:36	00:14.6
		IR3	ISDR 21	0 0	1	1	118.18	23.52			DN0011/11	1		
		IR2	ISDR 21	0 0	1	1	122.50	24.00			DN0011/12	1		
		IR1	ISDR 20	0 0	2	1	136.64	25.69			DN0011/13	1		
		IR PHOTOMETRIC												
11A207/029	12:17.40	COLOR	300.0/302.5	-10 .12	1/1	1	4	REC/UH	16K	8	13 4/89.1	27/-86	232/03 05:36	00:14.6
		BLU	ISDR 21	0 0	1	1	108.91	47.13			DN0011/14	1		
		GRN	ISDR 21	0 0	1	1	125.57	52 47			DN0011/15	1		
		RED	ISDR 20	0 0	2	1	132.53	47.82			DN0011/16	1		
		COLOR PHOTOMETRIC												
11A208/029	12:19.40	IR	300.0/302.5	-10 .12	9/1	1	4	REC/UH	16K	8	344 6/89 1	26/-87	232/03:07:36	00:14.6
		IR3	SDR 21	0 0	1	1	106.41	36 67			DN0011/17	1		
		IR2	SDR 21	0 0	1	1	110.57	38.55			DN0011/18	1		
		IR1	SDR 20	0 0	2	1	117.79	41.30			DN0011/19	1		
		IR PHOTOMETRIC												
11A209/029	12:21.40	COLOR	275.0/277.5	-20 .12	1/1	1	4	REC/UH	16K	8	321 7/88 9	26/-87	232/03.09:36	00:14.6
		BLU	SDR 21	0 0	1	1	95.87	38.90			DN0011/20	1		
		GRN	SDR 21	0 0	1	1	116.95	40 75			DN0011/21	1		
		RED	SDR 20	0 0	2	1	137.60	37.34			DN0011/22	1		
		COLOR PHOTOMETRIC												
11A210/029	12:23.40	IR	275.0/277 5	-20 .12	9/1	1	4	REC/UH	16K	8	307 6/88 6	25/-88	232/03:11:36	00:14.6
		IR3	ISDR 21	0 0	1	1	109 37	30.44			DN0011/23	1		
		IR2	ISDR 21	0 0	1	1	112.97	31.12			DN0011/24	1		
		IR1	ISDR 20	0 0	2	1	124.76	33.22			DN0011/25	1		
		IR PHOTOMETRIC												
12A211/029	14:45.47	SINGLE	120 0/180.0	0 .04	5/2	1	4	RT/UH	16K	10	278.6/57 0	40/-60	232/05:33:43	04:20.0
		BB4 *	ISDR 1217	0 0	284	1	140.81	46.20			DN0011/26	2		
		DETAIL OF HORIZON, POSSIBLE BEDROCK												

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF SEGMENTS			
12A212/029	15:16	42	SINGLE 85 0/145.0	0 .04	5/2	1	4	RT/UH	16K	10	279 9/50.2	42/-53	232/06:04:39	04:10.0
			BB4 * ISDR 1170	0 0	331	1		133 65	28.40		DN0011/27	2		
LARGE BLOCKS ON MOUND AT HORIZON. SMALL DRIFTS IN NEAR TO MID FIELD														
11A213/029	15:55	40	COLOR 222.5/230 0	-30 .12	1/1	1	4	REC/UH	16K	10	281.8/41 5	220/-44	232/06:43:36	00:41.2
			BLU SDR 63	0 0	1	1		86 57	24 78		DN0011/28	1		
			GRN SDR 62	0 0	2	1		107.16	35.49		DN0011/29	1		
			RED SDR 62	0 0	2	1		120.58	50.57		DN0011/30	1		
PHOTOMETRIC STUDY														
11A214/029	15:58	40	IR 222 5/230 0	-30 .12	9/1	1	4	REC/UH	16K	10	281 9/40.9	220/-43	232/06:46:36	00:41.2
			IR3 ISDR 63	0 0	1	1		95.06	35.84		DN0011/31	1		
			IR2 ISDR 62	0 0	2	1		96.46	37.62		DN0011/32	1		
			IR1 ISDR 62	0 0	2	1		105.79	44.65		DN0011/33	1		
PHOTOMETRIC STUDY														
11A215/029	16 01	40	COLOR 300 0/302 5	-10 .12	1/1	1	4	REC/UH	16K	10	282.1/40 2	220/-43	232/06:49:36	00:14.6
			BLU ISDR 21	0 0	1	1		94 83	38.68		DN0011/34	1		
			GRN ISDR 21	0 0	1	1		109 54	43.27		DN0011/35	1		
			RED ISDR 20	0 0	2	1		107 45	37.21		DN0011/36	1		
PHOTOMETRIC STUDY														
11A216/029	16:03	40	IR 300 0/302.5	-10 .12	9/1	1	4	REC/UH	16K	10	282 2/39 8	220/-42	232/06:51:36	00:14.6
			IR3 SDR 21	0 0	1	1		87 77	30.30		DN0011/37	1		
			IR2 SDR 21	0 0	1	1		90.55	31 71		DN0011/38	1		
			IR1 SDR 20	0 0	2	1		95.21	32.48		DN0011/39	1		
PHOTOMETRIC STUDY														
11A217/029	16:27	40	COLOR 222.5/230.0	-30 .12	1/1	1	4	REC/UH	16K	10	283.5/34 5	222/-37	232/07:15:36	00:41.2
			BLU ISDR 63	0 0	1	1		80.40	27.29		DN0011/40	1		
			GRN ISDR 62	0 0	2	1		95.76	39.64		DN0011/41	1		
			RED ISDR 62	0 0	2	1		105.20	52.29		DN0011/42	1		
PHOTOMETRIC STUDY														
11A218/029	16:30	40	IR 222 5/230.0	-30 .12	9/1	1	4	REC/UH	16K	12	283 7/33.8	222/-36	232/07:18:36	00:41.2
			IR3 ISDR 63	0 0	1	1		83.56	37.43		DN0011/43	1		
			IR2 ISDR 62	0 0	2	1		84.75	38 79		DN0011/44	1		
			IR1 ISDR 62	0 0	2	1		92.11	45.19		DN0011/45	1		
PHOTOMETRIC STUDY														
11A219/029	16 33	40	COLOR 185 0/187 5	-20 .12	1/1	1	4	REC/UH	16K	12	283 8/33 2	222/-36	232/07:21:36	00:14.6
			BLU SDR 21	0 0	1	1		77.28	27.43		DN0012/01	1		
			GRN SDR 21	0 0	1	1		91.46	32.74		DN0012/02	1		
			RED SDR 20	0 0	2	1		99.77	40.58		DN0012/03	1		
PHOTOMETRIC STUDY														

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS		
11A220/029	16:35.40	IR	185.0/187.5	-20 .12	9/1	1	4	REC/UH	16K	12	284.0/32.8	222/-35	232/07:23:36	00:14.6
		IR3	SDR 21	0 0	1	1		80.35	29.34		DN0012/04	1		
		IR2	SDR 21	0 0	1	1		81.52	31.48		DN0012/05	1		
		IR1	SDR 20	0 0	2	1		89.58	36.11		DN0012/06	1		
		PHOTOMETRIC STUDY												
11A221/029	16:37.40	COLOR	300.0/302.5	-10 .12	1/1	1	4	REC/UH	16K	12	284.1/32.3	222/-35	232/07:25:36	00:14.6
		BLU	ISDR 21	0 0	1	1		88.07	37.94		DN0012/07	1		
		GRN	ISDR 21	0 0	1	1		100.88	42.68		DN0012/08	1		
		RED	ISDR 20	0 0	2	1		95.36	36.31		DN0012/09	1		
		PHOTOMETRIC STUDY												
11A222/029	16:39.40	IR	300.0/302.5	-10 .12	9/1	1	4	REC/UH	16K	12	284.2/31.9	222/-34	232/07:27:36	00:14.6
		IR3	SDR 21	0 0	1	1		77.93	28.58		DN0012/10	1		
		IR2	SDR 21	0 0	1	1		80.48	30.11		DN0012/11	1		
		IR1	SDR 20	0 0	2	1		83.94	30.58		DN0012/12	1		
		PHOTOMETRIC STUDY												
11A223/029	16:41.40	COLOR	275.0/277.5	-20 .12	1/1	1	4	REC/UH	16K	12	284.3/31.4	222/-34	232/07:29:36	00:14.6
		BLU	SDR 21	0 0	1	1		72.23	33.74		DN0012/13	1		
		GRN	SDR 21	0 0	1	1		83.50	36.07		DN0012/14	1		
		RED	SDR 20	0 0	2	1		91.51	35.33		DN0012/15	1		
		PHOTOMETRIC STUDY												
11A224/029	16:43.40	IR	275.0/277.5	-20 .12	9/1	1	4	REC/UH	16K	12	284.4/31.0	223/-34	232/07:31:36	00:14.6
		IR3	SDR 21	0 0	1	1		72.01	26.14		DN0012/16	1		
		IR2	SDR 21	0 0	1	1		73.89	27.16		DN0012/17	1		
		IR1	SDR 20	0 0	2	1		81.11	30.38		DN0012/18	1		
		PHOTOMETRIC STUDY												
11A225/029	17:26.41	COLOR	222.5/230.0	-30 .12	1/1	1	4	REC/UH	16K	12	287.1/21.7	225/-24	232/08:14:37	00:41.2
		BLU	ISDR 63	0 0	1	1		66.87	27.61		DN0012/19	1		
		GRN	ISDR 62	0 0	2	1		72.15	38.98		DN0012/20	1		
		RED	ISDR 62	0 0	2	1		71.57	45.67		DN0012/21	1		
		PHOTOMETRIC STUDY												
11A226/029	17:26.23	SINGLE	170.0/170.0	0	15/7	1	2	REC/UH	16K	12	/	/	231/08:14:19	0:18.0
		CAL	SDR 61	0 0	0	0		.00	.00		DN0012/22	1		
		PHOTOMETRIC STUDY												
11A227/029	17:30.40	IR	222.5/230.0	-30 .12	9/1	1	4	REC/UH	16K	12	287.3/20.8	226/-23	232/08:18:36	00:41.2
		IR3	ISDR 63	0 0	1	1		59.48	32.34		DN0012/23	1		
		IR2	ISDR 62	0 0	2	1		59.79	33.29		DN0012/24	1		
		IR1	ISDR 62	0 0	2	1		62.72	37.79		DN0012/25	1		
		PHOTOMETRIC STUDY												

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS				
11A228/029	17:33.40	COLOR	185.0/187.5	-20 .12	1/1	1	4	REC/UH	16K	12	287.5/20.2	226/-23	232/08:21:36	00:14.6
		BLU	ISDR 21	0 0	1	1	63.06	24.72			DN0012/26	1		
		GRN	ISDR 21	0 0	1	1	73.79	27.70			DN0012/27	1		
		RED	ISDR 20	0 0	2	1	73.06	31.00			DN0012/28	1		
		PHOTOMETRIC STUDY												
11A229/029	17:35.40	IR	185.0/187.5	-20 .12	9/1	1	4	REC/UH	16K	12	287.7/19.8	226/-22	232/08:23:36	00:14.6
		IR3	ISDR 21	0 0	1	1	59.95	20.28			DN0012/29	1		
		IR2	ISDR 21	0 0	1	1	60.73	21.83			DN0012/30	1		
		IR1	ISDR 20	0 0	2	1	64.89	25.88			DN0012/31	1		
		PHOTOMETRIC STUDY												
11A230/029	17:37.40	COLOR	300.0/302.5	-10 .12	1/1	1	4	REC/UH	16K	12	287.8/19.3	226/-22	232/08:25:36	00:14.6
		BLU	ISDR 21	0 0	1	1	74.12	37.07			DN0012/32	1		
		GRN	ISDR 21	0 0	1	1	83.47	40.67			DN0012/33	1		
		RED	ISDR 20	0 0	2	1	75.25	30.70			DN0012/34	1		
		PHOTOMETRIC STUDY												
11A231/029	17:39.40	IR	300.0/302.5	-10 .12	9/1	1	4	REC/UH	16K	10	288.0/18.9	226/-21	232/08:27:36	00:14.6
		IR3	SDR 21	0 0	1	1	61.73	23.37			DN0012/35	1		
		IR2	SDR 21	0 0	1	1	63.49	24.44			DN0012/36	1		
		IR1	SDR 20	0 0	2	1	65.70	24.07			DN0012/37	1		
		PHOTOMETRIC STUDY												
11A232/029	17:41.40	COLOR	275.0/277.5	-20 .12	1/1	1	4	REC/UH	16K	12	288.1/18.5	226/-21	232/08:29:36	00:14.6
		BLU	SDR 21	0 0	1	1	60.49	28.41			DN0012/38	1		
		GRN	SDR 21	0 0	1	1	68.16	30.00			DN0012/39	1		
		RED	SDR 20	0 0	2	1	64.93	30.50			DN0012/40	1		
		PHOTOMETRIC STUDY												
11A233/029	17:43.40	IR	275.0/277.5	-20 .12	9/1	1	4	REC/UH	16K	10	288.2/18.0	226/-21	232/08:31:36	00:14.6
		IR3	SDR 21	0 0	1	1	54.78	19.49			DN0012/41	1		
		IR2	SDR 21	0 0	1	1	54.59	21.30			DN0012/42	1		
		IR1	SDR 20	0 0	2	1	57.20	24.53			DN0012/43	1		
		PHOTOMETRIC STUDY												
11A234/029	17:43.54	SINGLE CAL	170.0/170.0	0 0	15/7	1	2	REC/UH	16K	12	/	/	232/08:31:50	0:18.0
			SDR 61	0 0	0	0	.00	.00			DN0012/44	1		
		CALIBRATION												
12A235/029	17:45.40	SINGLE	140.0/290.0	0 .04	5/2	1	3	REC/UH	16K	10	288.4/17.6	51/-20	232/08:33:36	13:21.2
		BB4 *	ISDR 3746	0 0	5	2	78.01	46.00			DN0012/45	5		
		DETAIL OF HORIZON INCLUDING POSSIBLE CRATER												
12A236/030	10:00.07	SINGLE	125.0/132.5	-50 .04	8/2	1	4	RT/SB	250	-2	81.9/59.0	206/-56	233/01:27:39	43:27.0
		BB1 *	SDR 189	189 1	1	1	101.13	26.32			DN0013/01	1		
		VARIABLE FEATURES IMAGE OF NEAR FIELD IMAGE NEAR FP3												

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION /DUST	RSCN
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS				
12A237/030	14 41 02	SINGLE	157 5/217.5	0 .04	5/2	1	4	RT/UH	16K	10	278.2/58 0	40/-61	233/06:08:33	04:20.0	
		BB4 *	ISDR 1219	0 0	282	1		129.88	61.15		DN0013/02	2			
DETAIL OF HORIZON AND POSSIBLE HORIZON CRATER															
12A238/030	15 11 57	SINGLE	172.5/232.5	-20 .04	0/2	1	4	RT/UH	16K	10	279.6/51.2	41/-54	233/06:39:29	05:20.0	
		BB2 *	ISDR 1499	0 0	2	1		95.31	41.21		DN0013/03	2			
HI RES OF PART OF NEAR FIELD															
12A239/030	18.47 59	COLOR	130 0/190.0	-20 .12	1/1	1	1	REC/UH	16K	8	293 1/ 4.4	55/ -7	233/10:15:31	05.21.2	
		BLU	ISDR 500	0 0	1	1		95.81	26.69		DN0013/04	1			
		GRN	ISDR 500	0 0	1	1		101.24	29.31		DN0013/05	1			
		RED *	ISDR 499	0 0	2	1		114.19	27.79		DN0013/06	1			
COLOR NEAR SUNSET															
12A240/030	19 12 59	COLOR	130.0/250.0	0 .12	1/1	1	5	REC/UH	16K	6	295 3/ -0.7	58/ -2	233/10:40:31	10:41.2	
		BLU *	ISDR 998	0 0	3	2		68.22	49.27		DN0013/07	2			
		GRN	ISDR 999	0 0	2	1		57.74	38.55		DN0013/08	2			
		RED *	ISDR 999	0 0	2	1		45.31	23.13		DN0013/09	2			
SUNSET PICTURE															
12A241/031	08 30 27	SINGLE	125.0/132.5	-50 .04	8/2	1	4	RT/SB	250	-8	77 8/39.1	201/-36	234/00:37:34	43:27.0	
		BB1 *	SDR 184 189	1	6	1		83.34	28.48		DN0013/10	1			
VARIABLE FEATURES EXPERIMENT															
12A242/031	13.39 59	SINGLE	285 0/290.0	-20 .04	8/2	1	3	REC/UH	16K	8	276.1/71.7	37/-74	234/05:47:06	00:27.9	
		BB1	SDR 127 126	1	0	0		143.66	50.25		DN0013/11	1			
MIDDLE RTC WITH MAGNET															
12A243/031	13 49 59	SINGLE	102.5/112.5	-30 .04	0/2	1	4	REC/UH	16K	10	276.3/69.4	37/-72	234/05:57:06	00:54.6	
		BB2 *	SDR 253 251	2	0	0		115.77	21.53		DN0013/12	1			
HI RES OF GCMS SAMPLE SITE															
12A244/031	13 54 59	COLOR	102.5/112.5	-30 .12	1/1	1	4	REC/UH	16K	10	276 4/68 3	37/-71	234/06:02:06	00:54.6	
		BLU *	SDR 84	0 0	0	0		94.48	20.53		DN0013/13	1			
		GRN *	SDR 83	0 0	1	1		102.01	20.86		DN0013/14	1			
		RED *	SDR 83	0 0	1	1		128.39	24.13		DN0013/15	1			
COLOR OF GCMS SAMPLE SITE															
12A245/031	13 56 59	IR	102.5/112.5	-30 .12	9/1	1	4	REC/UH	16K	10	276 5/67.8	37/-70	234/06:04:06	00:54.6	
		IR3	ISDR 84	0 0	0	0		98.39	19.79		DN0013/16	1			
		IR2	ISDR 83	0 0	1	1		96.28	19.94		DN0013/17	1			
		IR1 *	ISDR 83	0 0	1	1		111.68	22.78		DN0013/18	1			
IR OF GCMS SAMPLE SITE															
12A246/031	13 58 59	SINGLE	102.5/112.5	-30 .12	14/3	1	4	REC/UH	16K	10	276.5/67.4	37/-70	234/06:06:06	00:19.0	
		SURV	SDR 86 84	2	0	0		113.79	22.44		DN0013/19	1			
SURVEY SINGLET OF GCMS SAMPLE SITE															

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS				
12A247/031	14 00 59	COLOR	285 0/290.0	-20 .12	1/1	1	4	REC/UH	16K	10	276 6/67.0	38/-69	234/06:08:06	00.27.9	
		BLU	SDR 42 0 0		1	1		117.70	65.07		DN0013/20	1			
		GRN	SDR 42 0 0		1	1		119.86	62.85		DN0013/21	1			
		RED	SDR 41 0 0		2	1		134.81	60.95		DN0013/22	1			
		MIDDLE TEST CHART WITH MAGNET													
12A248/031	14 02 59	IR	285 0/290 0	-20 .12	9/1	1	4	REC/UH	16K	10	276 7/66 5	38/-69	234/06:10:06	00:27.9	
		IR3	SDR 42 0 0		1	1		114.78	51.93		DN0013/23	1			
		IR2	SDR 41 0 0		2	1		112.87	51.19		DN0013/24	1			
		IR1	SDR 41 0 0		2	1		121.53	53.42		DN0013/25	1			
		MIDDLE TEST CHART WITH MAGNET													
12A249/031	14 04 59	SINGLE	285.0/290.0	-20 .12	14/3	1	4	REC/UH	16K	10	276 7/66.1	38/-69	234/06:12:06	00:10.1	
		SURV	SDR 44 43 1		0	0		125.26	59.58		DN0013/26	1			
		SURVEY OF MIDDLE TEST CHART													
11A250/031	14.38.28	SINGLE	100 0/160 0	0 .04	5/2	1	4	RT/UH	16K	8	278 0/58 6	215/-61	234/06:45:34	04:20.0	
		BB4 *	ISDR 1217 0 0		284	1		143.25	41.40		DN0013/27	2			
		DRIFTS AND BLOCKS OUT TO HORIZON													
11A251/031	15.09 23	SINGLE	127.5/187 5	-10 .04	5/2	1	4	RT/UH	16K	20	279.3/51 7	217/-54	234/07:16:30	05:20.0	
		BB4 *	ISDR 1501 0 0		0	0		120.17	38.03		DN0013/28	2			
		BIG JOE AREA WITH GOOD LIGHT													
12A252/031	16 59.59	SINGLE	25 0/ 30.0	-20 .04	8/2	1	3	REC/UH	16K	12	285.2/27 4	47/-30	234/09:07:06	00:27.9	
		BB1	SDR 127 126 1		0	0		163.17	70.33		DN0013/29	1			
		'DIRECT VIEW OF BACKHOE MAGNET IN SUNLIGHT													
11A253/032	11 28 27	SINGLE	205 0/207.5	-40 .04	8/2	1	4	RT/SB	250	4	84 4/78 8	27/-76	235/04:15:09	43.27.0	
		BB1 *	ISDR 189 64 126		1	1		122.07	18.73		DN0014/01	1			
		EXPERIMENT TO MEASURE FACET SIZE													
11A254/032	13 54 59	SINGLE	150 0/190.0	-10 .04	5/2	1	4	REC/UH	16K	12	276 2/68.3	213/-71	235/06:41:41	03:34.6	
		BB4 *	ISDR 1003 1001 2		0	0		139.22	27.39		DN0014/02	2			
		BIG JOE AND DRIFT COVERED BLOCKS IN BACKGROUND GOOD ILLUMINATION													
12A255/032	14 31 43	SINGLE	290 0/335.0	0 .04	5/2	1	4	RT/UH	16K	8	277 6/60.0	39/-63	235/07:18:25	04:20.0	
		BB4 *	ISDR 1218 1126 92		0	0		132.52	51.57		DN0014/03	2			
		AREA OF SMALL DRIFTS AND BLOCKS													
12B000/032	15 07 29	SINGLE	250.0/310.0	0 .04	5/2	1	4	RT/UH	16K	-6	279.1/52.1	41/-55	235/07:54:11	05.20.0	
		BB4 *	ISDR 1090 0 0		411	1		132.46	60.58		DN0014/04	2			
		IMAGE USABLE FROM CACCS AIMUTH 250 TO 280.													
11B001/032	23 08 25	SINGLE	232 5/237.5	30 .04	10/2	1	0	REC/UH	16K	-6	333 4/-40	270/ 38	235/15.55:07	00.27.9	
		IR2	SDR 127 126 1		0	0		120.58	11.30		DN0014/05	1			
		PHOBOS													

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS			
11B002/032	23:09:57	SINGLE RED PHOBOS	232.5/237.5 SDR 127	30 126	.04 1	3/2 0	1 0	REC/UH 120.72	16K 4.01	-6	333 8/-40 DNO014/06	270/ 38 1	235/15:56:39	00:27.9	
11B003/032	23:11:29	SINGLE BLU PHOBOS	232.5/237.5 ISDR 128	30 126	.04 2	1/2 0	1 0	REC/UH 57.70	16K 17.17	-6	334 2/-40 DNO014/07	271/ 38 1	235/15:58:11	00:27.9	
11B004/032	23:13:01	SINGLE IR3 PHOBOS	232.5/235.0 SDR 65	30 64	.04 1	9/2 0	1 0	REC/UH 139.58	16K 7.14	-6	334.7/-40 DNO014/08	271/ 38 1	235/15:59:43	00:14.6	
11B005/032	23:14:33	SINGLE IR1 PHOBOS	230.0/235.0 SDR 128	30 126	.04 2	11/2 0	1 0	REC/UH 120.01	16K 8.53	-6	335.1/-40 DNO014/09	271/ 38 1	235/16:01:15	00:27.9	
11B006/032	23:16:05	SINGLE SURV PHOBOS	230.0/235.0 SDR 128	20 126	.04 2	14/2 0	1 0	REC/UH 119.63	16K 4.38	-6	335.5/-40 DNO014/10	272/ 38 1	235/16:02:47	00:27.9	
11B007/032	23:18:25	SINGLE IR2 PHOBOS	230.0/235.0 ISDR 128	20 126	.04 2	10/2 0	1 0	REC/UH 122.96	16K 11.30	-6	336 1/-41 DNO014/11	272/ 39 1	235/16:05:07	00:27.9	
11B008/032	23:19:57	SINGLE RED PHOBOS	230.0/232.5 SDR 65	20 64	.04 1	3/2 0	1 0	REC/UH 117.74	16K 3.84	-6	336.5/-41 DNO014/12	273/ 39 1	235/16:06:39	00:14.6	
11B009/032	23:21:29	SINGLE BLU PHOBOS	227.5/232.5 SDR 128	20 126	.04 2	1/2 0	1 0	REC/UH 65.46	16K 17.71	-6	336.9/-41 DNO014/13	273/ 39 1	235/16:08:11	00:27.9	
11B010/032	23:23:25	SINGLE GRN PHOBOS	227.5/232.5 SDR 128	20 126	.04 2	2/2 0	1 0	REC/UH 120.13	16K 10.55	-6	337.5/-41 DNO014/14	274/ 39 1	235/16:10:07	00:27.9	
11B011/032	23:27:25	SINGLE IR2 PHOBOS	227.5/230.0 SDR 65	20 64	.04 1	10/2 0	1 0	REC/UH 122.71	16K 10.18	-6	338.6/-41 DNO014/15	275/ 40 1	235/16:14:07	00:14.6	
11B012/032	23:28:57	SINGLE RED PHOBOS	225.0/230.0 ISDR 126	20 126	.04 2	3/2 0	1 0	REC/UH 120.35	16K 3.95	-6	339.0/-42 DNO014/16	275/ 40 1	235/16:15:39	00:27.9	
11B013/032	23:30:29	SINGLE BLU PHOBOS	225.0/230.0 ISDR 128	20 126	.04 2	1/2 0	1 0	REC/UH 118.83	16K 34.04	-6	339.5/-42 DNO014/17	276/ 40 1	235/16:17:11	00:27.9	

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP (C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS			
11B014/032	23.30	56	SINGLE CAL CALIBRATION	170.0/170 0 61	0 0	15/7 0	1 0	2 0	REC/UH .00	16K .00	-6 /	/	235/16:17:37	0:18.0	
11B015/033	09:36	26	COLOR BLU * ISDR GRN * ISDR RED * ISDR COLOR OF TRENCH	212.5/222.5 68 68 67	-30 0 0 0	.12 0 0 0	1/1 16 16 17	1 1 1	4 70.59 85.03 109.09	250 34.51 32.90 35.47	-6 DN0014/19 DN0014/20 DN0014/21	8 1 1 1	21/-51 236/03:02:44	44:27.0	
12B016/033	14.27	15	SINGLE BB3 * ISDR NEAR ROCKS AND ASSOCIATED SMALL DRIFTS	260.0/320 1217	0 0	.04 284	13/2 284	1 1	4 104.85	16K 46.40	8 DN0014/22	277 2/61.0 2	39/-64 236/07:53:32	04:20.0	
12B017/033	15:03	00	SINGLE BB1 * ISDR FOOTPAD 3. USEFUL DATA FROM CACCS AZIUTH 143 TO 167.	142.5/202.5 951	-50 0	.04 0	8/2 550	1 1	4 62.39	16K 34.91	10 DN0014/23	278 8/53.0 2	40/-56 236/08:29:18	05:20.0	
11B018/034	09:04	27	COLOR BLU * ISDR GRN * ISDR RED * ISDR NOISY COLOR PICTURE OF TRENCH	212.5/222.5 64 64 64	-30 0 0 0	.12 0 0 0	1/1 20 20 20	1 1 1 1	4 62.33 76.40 97.51	250 26.18 27.62 31.59	-8 DN0015/01 DN0015/02 DN0015/03	79 9/46.7 1 1 1	19/-44 237/03:10:20	44:27.0	
11B019/034	10:42	52	SINGLE BB2 * SDR DIRECT VIEW OF BACKHOE MAGNET ARRAY AND COLLECTOR	290.0/300.0 252 251	-30 1	.04 0	0/2 0	1 0	4 108.67	16K 33.13	2 DN0015/04	84.3/68.7 1	25/-65 237/04:48:44	00:54.6	
11B020/034	11:42	52	SINGLE BB2 * SDR DIRECT VIEW OF BACKHOE MAGNET ARRAY AND COLLECTOR	290.0/300.0 253 251	-30 2	.04 0	0/2 0	1 0	4 111.87	16K 34.64	4 DN0015/05	84 9/82.1 1	29/-79 237/05:48:44	00:54.6	
12B021/034	12:20	00	COLOR BLU * ISDR GRN * ISDR RED * ISDR COLOR OF AREA ABOVE FOOTPAD 3	145.0/170.0 208 207 207	-30 0 0 0	.12 0 0 0	1/1 1 2 2	1 1 1	4 95.51 101.91 124.12	16K 30.77 33.81 39.46	4 DN0015/06 DN0015/07 DN0015/08	315 3/89.3 1 1 1	219/-87 237/06:25:52	02:14.6	
12B022/034	12:24	00	IR IR3 SDR IR2 SDR IR1 * SDR IR TO ACCOMPANY 12B021	145.0/170.0 209 208 208	-30 0 0 0	.12 0 0 0	9/1 0 1 1	1 0 1 1	4 94.44 92.85 106.87	16K 31.10 30.76 35.16	6 DN0015/09 DN0015/10 DN0015/11	289 4/88.5 1 1 1	223/-88 237/06:29:52	02:14.6	
12B023/034	12:28	00	SINGLE SURV SDR SURVEY TO ACCOMPANY 12B021 AND 12B023	145.0/170.0 211 209	-30 2	.12 0	14/3 0	1 0	4 109.99	16K 35.89	6 DN0015/12	282 3/87.7 1	237/-89 237/06:33:52	00:45.7	

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS			
12B024/034	12:32 00	COLOR	170 0/197.5	0 .12	1/1	1	4	REC/UH	16K	6	279.2/86.8	348/-89	237/06:37:52	02:27.9	
		BLU *	ISDR 230	0 0	0	0		142.89	54.66		DN0015/13	1			
		GRN *	ISDR 230	0 0	0	0		136.09	44.57		DN0015/14	1			
		RED *	ISDR 229	0 0	1	1		142.51	36.84		DN0015/15	1			
		COLOR OF AREA ABOVE LEG 3													
12B025/034	12:36 00	IR	170 0/197.5	0 .12	9/1	1	4	REC/UH	16K	6	277.5/85.9	20/-88	237/06:41:52	02:27.9	
		IR3	ISDR 229	0 0	1	1		112.48	30.77		DN0015/16	1			
		IR2	ISDR 228	0 0	2	1		112.08	30.49		DN0015/17	1			
		IR1 *	ISDR 228	0 0	2	1		126.04	33.11		DN0015/18	1			
		IR TO ACCOMPANY 12B024													
12B026/034	12:40 00	SINGLE	170 0/197.5	0 .12	14/3	1	4	REC/UH	16K	8	276.5/85.0	26/-87	237/06:45:52	00:50.1	
		SURV *	ISDR 226	0 0	4	1		134.45	36.27		DN0015/19	1			
		SURVEY TO ACCOMPANY 12B024 AND 12B025													
12B027/034	12:44 00	COLOR	102 5/112.5	-30 .12	1/1	1	4	REC/UH	16K	8	275.8/84.1	29/-87	237/06:49:52	00:54.6	
		BLU *	SDR 84	0 0	0	0		96.83	22.46		DN0015/20	1			
		GRN *	SDR 83	0 0	1	1		104.62	22.73		DN0015/21	1			
		RED *	SDR 83	0 0	1	1		132.48	25.68		DN0015/22	1			
		COLOR OF TRENCH													
12B028/034	12:46 00	IR	102.5/112.5	-30 .12	9/1	1	4	REC/UH	16K	8	275.6/83.7	29/-86	237/06:51:52	00:54.6	
		IR3	SDR 84	0 0	0	0		101.11	20.63		DN0015/23	1			
		IR2	SDR 83	0 0	1	1		99.15	20.77		DN0015/24	1			
		IR1 *	SDR 83	0 0	1	1		115.31	23.78		DN0015/25	1			
		IR TO ACCOMPANY 12B027													
12B029/034	12:48 00	SINGLE	102.5/112.5	-30 .12	14/3	1	4	REC/UH	16K	10	275.4/83.2	30/-86	237/06:53:52	00:19.0	
		SURV	SDR 86	84 2	0	0		116.90	23.61		DN0015/26	1			
		SURVEY TO ACCOMPANY 12B027 AND 12B028													
12B030/034	12 55 00	SINGLE	102.5/112.5	-30 .04	0/2	1	4	REC/UH	16K	10	275.0/81.6	32/-84	237/07:00:52	00:54.6	
		BB2 *	ISDR 253	251 2	0	0		116.22	23.61		DN0015/27	1			
		HI RES OF TRENCH X-RAY SAMPLE SITE													
12B031/034	13 00 00	SINGLE	305 0/330.0	-30 .12	14/3	1	5	REC/UH	16K	10	274.8/80.5	32/-83	237/07:05:52	00:45.7	
		SURV	SDR 211	209 2	0	0		59.41	27.99		DN0015/28	1			
		TOP OF LANDER XFRS PDA													
12B032/034	13:04 00	COLOR	285 0/290.0	-20 .12	1/1	1	4	REC/UH	16K	10	274.8/79.6	33/-82	237/07:09:52	00:27.9	
		BLU	SDR 42	0 0	1	1		134.62	62.80		DN0015/29	1			
		GRN	SDR 42	0 0	1	1		132.00	57.41		DN0015/30	1			
		RED	SDR 41	0 0	2	1		147.12	53.52		DN0015/31	1			
		COLOR OF MIDDLE RTC IN SUNLIGHT													

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
		DATA TOTAL		RESCAN		LINES		AVE DN		STAND	EDR		# OF EDR			
		RECORD LINES		BEGIN/TOTAL		MISSED		VALUE		DEV	TAPE/FILE		SEGMENTS			
12B033/034	13:05:30	IR	285.0/290.0	-20	.12	9/1	1	4	REC/UH	16K	12	274.7/79.3	33/-82	237/07:11:22	00:27.9	
		IR3	SDR 42	0	0	1	1	1	138.18	53.45		DN0015/32	1			
		IR2	SDR 42	0	0	1	1	1	135.69	52.48		DN0015/33	1			
		IR1	SDR 41	0	0	2	1	1	144.73	51.57		DN0015/34	1			
		IR OF MIDDLE RTC														
12B034/034	13:07:00	SINGLE	285.0/290.0	-20	.12	14/3	1	4	REC/UH	16K	12	274.7/79.0	33/-81	237/07:12:52	00:10.1	
		SURV	SDR 44	43	1	0	0	0	139.27	52.04		DN0015/35	1			
		SURVEY OF MIDDLE RTC														
12B035/034	13:07:10	SINGLE	170.0/170.0	0		15/7	1	2	REC/UH	16K	12	/	/	237/07:13:02	0:18.0	
		CAL	SDR 61	0	0	0	0	0	.00	.00		DN0015/36	1			
		CALIBRATION														
11B036/034	14:25:02	SINGLE	287.5/335.0	0	.04	5/2	1	4	RT/UH	16K	8	277.0/61.5	214/-64	237/08:30:54	04:20.0	
		BB4 *	ISDR 1220	1189	31	0	0	0	139.13	40.23		DN0015/37	2			
		DETAIL OF HORIZON AND POSSIBLE BEDROCK														
11B037/034	14:55:57	SINGLE	247.5/307.5	0	.04	5/2	1	4	RT/UH	16K	8	278.3/54.6	216/-57	237/09:01:50	05:20.0	
		BB4 *	ISDR 1498	0	0	3	1	1	135.07	27.73		DN0015/38	2			
		LARGE BLOCKS ON RISE AT HORIZON														
12B038/035	09:36:27	SINGLE	132.5/150.0	-30	.12	14/3	1	4	RT/SB	250	-4	81.6/53.8	205/-51	238/04:21:55	44:27.0	
		SURV *	ISDR 195	147	50	2	1	1	112.52	30.66		DN0016/01	1			
		VARIABLE FEATURES MONITORING NEAR FOOT PAD 3														
11B039/035	11:49:59	COLOR	35.0/40.0	-10	.12	1/1	1	4	REC/UH	16K	0	85.1/83.7	30/-80	238/06:35:27	00:27.9	
		BLU	ISDR 42	0	0	1	1	1	119.99	45.22		DN0016/02	1			
		GRN	ISDR 41	0	0	2	1	1	137.78	48.14		DN0016/03	1			
		RED	ISDR 41	0	0	2	1	1	146.11	51.54		DN0016/04	1			
		COLOR OF RTC3 IN SUNLIGHT														
11B040/035	11:51:59	IR	35.0/40.0	-10	.12	9/1	1	4	REC/UH	16K	0	84.9/84.2	30/-81	238/06:37:27	00:27.9	
		IR3	ISDR 42	0	0	1	1	1	114.90	41.38		DN0016/05	1			
		IR2	ISDR 42	0	0	1	1	1	118.88	43.08		DN0016/06	1			
		IR1	ISDR 41	0	0	2	1	1	130.79	47.93		DN0016/07	1			
		IR OF RTC3														
11B041/035	11:53:59	SINGLE	35.0/40.0	-10	.12	14/3	1	4	REC/UH	16K	0	84.7/84.6	30/-81	238/06:39:27	00:10.1	
		SURV	ISDR 46	43	3	0	0	0	139.35	47.72		DN0016/08	1			
		SURVEY OF RTC3														
11B042/035	11:59:59	COLOR	175.0/205.0	-30	.12	1/1	1	4	REC/UH	16K	-17	83.6/86.0	31/-83	238/06:45:27	02:41.2	
		BLU *	ISDR 250	0	0	1	1	1	82.30	39.23		DN0016/09	1			
		GRN *	ISDR 250	0	0	1	1	1	98.64	41.23		DN0016/10	1			
		RED *	ISDR 249	0	0	2	1	1	127.31	47.62		DN0016/11	1			
		COLOR OF FOOTPAD 2 (BURIED) OUT TO HORIZON														

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS					
11B043/035	12:03:59	IR	175.0/205.0	-30 .12	9/1	1	4	REC/UH	16K	-17	82.1/86.9	32/-84	238/06:49:27	02:41.2	
		IR3	ISDR 247	0 0	4	3		103.63	40.91		DN0016/12	1			
		IR2	ISDR 249	0 0	2	1		106.12	41.14		DN0016/13	1			
		IR1 *	ISDR 247	0 0	4	3		103.63	40.91		DN0016/14	1			
		IR TO ACCOMPANY 11B042													
11B044/035	12:07:59	SINGLE	175.0/205.0	-30 .12	14/3	1	4	REC/UH	16K	2	79.4/87.8	32/-84	238/06:53:27	00:54.6	
		SURV	ISDR 253	251 2	0	0		119.29	44.56		DN0016/15	1			
		SURVEY TO ACCOMPANY 11B042 AND 11B043													
11B045/035	12:11:59	COLOR	115.0/175.0	0 .12	1/1	1	4	REC/UH	16K	2	72.9/88.6	33/-85	238/06:57:27	05:21.2	
		BLU *	ISDR 500	0 0	1	1		122.44	38.67		DN0016/16	1			
		GRN *	ISDR 500	0 0	1	1		140.50	38.76		DN0016/17	1			
		RED *	ISDR 499	0 0	2	2		148.54	38.25		DN0016/18	1			
		COLOR OF BIG JOE													
11B046/035	12:18:29	IR	115.0/175.0	0 .12	9/1	1	4	REC/UH	16K	4	337.0/89.6	36/-87	238/07:03:57	05:21.2	
		IR3	ISDR 499	0 0	2	1		127.99	46.96		DN0016/19	1			
		IR2	ISDR 498	0 0	3	1		131.30	46.03		DN0016/20	1			
		IR1 *	ISDR 499	0 0	2	1		127.99	46.96		DN0016/21	1			
		IR OF BIG JOE													
11B047/035	12:24:59	SINGLE	115.0/175.0	0 .12	14/3	1	4	REC/UH	16K	6	283.9/88.3	45/-88	238/07:10:27	01:47.9	
		SURV	ISDR 503	501 2	0	0		143.00	35.93		DN0016/22	1			
		SURVEY OF BIG JOE FOR PHOTOMETRIC SEQUENCE													
11B048/035	12:26:46	SINGLE	170.0/170.0	0	15/7	1	2	REC/UH	16K	6	/	/	238/07:12:14	0:18.0	
		CAL	SDR 60	0 0	0	0		.00	.00		DN0016/23	1			
		CALIBRATION													
12B049/035	14:20:13	SINGLE	45.0/ 95.0	-50 .04	14/2	1	4	RT/UH	16K	10	276.6/62.5	38/-65	238/09:05:40	04:20.0	
		SURV *	ISDR 1219	0 0	32	1		122.81	52.86		DN0016/24	2			
		NEAR LANDER AREA OF FLAT FRACTURED MATERIAL "DURICRUST"? SURFACE SAMPLER PIN													
11B050/035	14:51:08	SINGLE	167.5/227.5	-50 .04	8/2	1	4	RT/UH	16K	6	278.0/55.6	216/-58	238/09:36:36	05:20.0	
		BB1 *	ISDR 1499	0 0	2	1		91.16	47.65		DN0016/25	2			
		BURIED FOOTPAD 2													
11B051/036	07:19:59	SINGLE	10.0/ 30.0	0 .04	5/2	1	4	REC/UH	16K	-13	74.2/23.8	13/-21	239/02:45:02	01:47.9	
		BB4 *	ISDR 503	501 2	0	0		140.86	43.28		DN0016/26	1			
		DISTANT ROCKS RATHER POORLY SEEN OVER RTG 2													
11B052/036	07:24:59	SINGLE	252.5/335.0	-20 .04	13/2	1	4	REC/UH	16K	-13	74.5/24.9	13/-22	239/02:50:02	07:21.2	
		BB3 *	ISDR 2061	0 0	3	2		62.63	31.52		DN0016/27	3			
		NEAR FIELD ROCKS													

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS		
11B053/036	07:34.59	SINGLE	307.5/335.0	-40 .04	8/2	1	4	REC/UH	16K	-12	75.1/27.1	14/-24	239/03:00:02	02:27.9
		BB1 * ISDR	692	689 3	0	0		65 19	38.18		DN0016/28	1		
		SURFACE NEAR LANDER BENEATH SURFACE SAMPLER HOUSING												
12B054/036	07:39.59	SINGLE	15.0/ 80.0	-20 .04	13/2	1	4	REC/UH	16K	-12	75.4/28.1	198/-25	239/03:05:02	05:47.9
		BB3 * ISDR	1624	0 0	2	1		62 54	41.15		DN0016/29	2		
		SURFACE SAMPLER COLLECTOR HEAD POSITIONED OVER TRENCH												
12B055/036	07:47.59	SINGLE	140.0/142.5	-30 .04	0/2	1	4	REC/UH	16K	-10	75.9/29.9	199/-27	239/03:13:02	00:14.6
		BB2 * ISDR	67	64 3	0	0		73.59	28.31		DN0016/30	1		
		SMALL AREA OF NEAR FIELD BLOCKS												
12B056/036	07:49.59	SINGLE	167.5/192.5	-20 .04	13/2	1	4	REC/UH	16K	-10	76.0/30.3	199/-27	239/03:15:02	02:14.6
		BB3 * ISDR	628	626 2	0	0		115 98	27.29		DN0016/31	1		
		BLOCKY SURFACE OVER LEGS												
12B057/036	09:00.27	SINGLE	132.5/135.0	-50 .04	8/2	1	4	RT/SB	250	-4	80.0/45.9	203/-43	239/04:25:30	43:27.0
		BB1 * ISDR	193	64 134	5	1		94.80	31.15		DN0016/32	1		
		SMALL AREA OF NEAR FIELD SOIL, 134 LINES OF RESCAN												
11B058/036	14:14.41	SINGLE	180.0/230.0	-30 .04	0/2	1	4	RT/UH	16K	6	276.2/63.7	213/-66	239/09:39:44	04:20.0
		BB2 * ISDR	1217	0 0	34	1		129.48	28.68		DN0016/33	2		
		HI RES OF TRENCH AREA												
11B059/036	14:45.37	SINGLE	220.0/280.0	-50 .04	8/2	1	4	RT/UH	16K	6	277.6/56.8	215/-59	239/10:10:40	05:20.0
		BB1 * ISDR	1499	0 0	2	1		111.61	42.20		DN0016/34	2		
		FINES NEAR LEG 2 WITH FRACTURES AND ENGINE PITS												
12B060/037	07:24.59	SINGLE	52.5/ 77.5	-50 .04	8/2	1	4	REC/UH	16K	-13	74.6/24.9	197/-22	240/03:29:37	02:14.6
		BB1 * ISDR	629	626 3	0	0		39.60	15.04		DN0017/01	1		
		AREA OF FRACTURES UNDER SAMPLER HOUSING. NOT AS FLAT LOOKING AT THIS LOW SUN.												
11B061/037	14:06.14	SINGLE	80.0/230.0	10 .12	1/3	1	4	RT/UH	16K	8	275.6/65.6	213/-68	240/10:10:52	04:20.0
		BLU * ISDR	1217	0 0	34	1		107.32	44.22		DN0017/02	2		
		BLUE SINGLET FOR CLOUD STUDY												
12B062/037	14:42.00	SINGLE	55.0/237.5	10 .12	1/3	1	4	RT/UH	16K	10	277.2/57.6	39/-60	240/10:46:38	05:20.0
		BLU * ISDR	1378	0 0	144	1		116.08	52.18		DN0017/03	2		
		BLUE SINGLET. CLOUD STUDY 55 TO 220 DEGREES CACS.												
12B063/038	07:47.00	SINGLE	285.0/335.0	0 .04	5/2	1	4	REC/UH	16K	-10	76.1/29.7	199/-27	241/04:31:13	04:27.9
		BB4 * ISDR	1254	1251 3	0	0		111.65	60.49		DN0017/04	2		
		MORNING HORIZON												
11B064/038	08:00.00	SINGLE	325.0/335.0	0 .04	5/2	1	4	REC/UH	16K	-12	76.9/32.5	16/-29	241/04:44:13	00:54.6
		BB4 * ISDR	253	251 2	0	0		120.45	22.11		DN0017/05	1		
		MORNING HORIZON												

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV L/TEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS			
12B065/038	09:30	27	SINGLE 132.5/135.0	-50 .04	8/2	1	4	RT/SB	250	-4	81 8/52.6	205/-49	241/06.14:41	43:27.0
			BB1 * ISDR 190	64 128	2	1		93.42	28.53		DN0017/06	1		
			SAME AS 12B057, 1/2 HR LATER. FINES, 128 LINES RESC.											
12B066/038	14:01:15		SINGLE 90.0/140.0	-50 .04	14/2	1	4	RT/UH	16K	10	275.2/66.6	36/-69	241/10.45:28	04:20.0
			SURV * ISDR 1217	0 0	34	1		93.65	25.05		DN0017/07	2		
			SURVEY NEAR LANDER											
11B067/038	14:37.00		SINGLE 260.0/320.0	-40 .04	8/2	1	4	RT/UH	16K	6	276.8/58.6	214/-61	241/11:21:14	05:20.0
			BB1 * ISDR 1540	1501 39	0	0		107.71	49.18		DN0017/08	2		
			HI RES NEAR LANDER. USABLE 260 TO 307 DEGREES CACCS.											
11B068/039	08:06	27	SINGLE 240.0/250.0	-10 .04	5/2	1	4	RT/SB	250	-10	77.4/34.0	16/-31	242/05.30:16	44:27.0
			BB4 * ISDR 190	0 0	61	2		65.54	26.38		DN0017/09	1		
			POSSIBLE OUTCROP											
12B069/039	12:59:59		COLOR 197.5/315.0	0 .12	1/1	1	4	REC/UH	16K	8	272.2/80.4	29/-83	242/10.23:48	10:27.8
			BLU * ISDR 979	0 0	1	1		141.63	65.27		DN0017/10	2		
			GRN * ISDR 977	0 0	3	2		133.74	56.89		DN0017/11	2		
			RED * ISDR 978	0 0	2	1		143.14	56.22		DN0017/12	2		
			COLOR OF CRATER-LIKE HORIZON FEATURE											
12B070/039	13:11:59		IR 197.5/315.0	0 .12	9/1	1	4	REC/UH	16K	10	272.7/77.7	31/-80	242/10:35:48	10:27.8
			IR3 ISDR 979	0 0	1	1		125.27	49.82		DN0017/13	2		
			IR2 ISDR 977	0 0	3	2		124.85	49.47		DN0017/14	2		
			IR1 * ISDR 978	0 0	2	1		133.21	49.56		DN0017/15	2		
			IR TO ACCOMPANY 12B069											
12B071/039	13:23:59		SINGLE 197.5/315.0	0 .12	14/3	1	4	REC/UH	16K	14	273.2/75.0	33/-77	242/10:47:48	03:30.1
			SURV ISDR 982	980 2	0	0		140.12	54.72		DN0017/16	2		
			SURVEY SINGLET TO GO WITH COLOR AND IR											
12B072/039	13:55:56		SINGLE 95.0/145.0	-30 .04	1/2	1	4	RT/UH	16K	16	274.7/67.8	35/-70	242/11:19:45	04:20.0
			BLU * ISDR 1217	0 0	34	1		86.58	20.96		DN0017/17	2		
			HI RES COLOR OF TRENCH SITE											
11B073/039	14:31.41		SINGLE 30.0/90.0	-10 .04	13/2	1	4	RT/UH	16K	6	276.4/59.8	214/-62	242/11.55:30	05:20.0
			BB3 * ISDR 1603	1501 102	0	0		90.91	47.97		DN0017/18	2		
			HI RES OF AREA OVER SEISMOMETER. USEFUL IMAGE EXTENDS FROM 30 TO 70 DEGREES (CAM CTRL AZ)											
12B074/040	00:44	25	SINGLE 192.5/197.5	20 .04	1/2	1	0	REC/UH	16K	-8	14.8/-44	134/44	242/22:47:49	00:27.9
			BLU ISDR 127	126 1	0	0		115.36	11.01		DN0018/01	1		
			PHOBOS											
12B075/040	01:04:17		SINGLE 185.0/190.0	30 .04	1/2	1	1	REC/UH	16K	-8	20.7/-42	140/43	242/23.07:41	00:27.9
			BLU SDR 127	126 1	0	0		57.15	5.94		DN0018/02	1		
			PHOBOS											

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP (C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF SEGMENTS				
11B076/040	07:39.59	SINGLE	220 0/240 0	-30 .04	0/2	1	2	REC/UH	16K	-10	75.9/28 2	15/-25	243/05:43:23	01:47.9
		BB2 *	ISDR 503 501	2 0	0	0	156.61	54.98			DN0018/03	1		
			HI RES OF VESICULAR-CLAST ROCK WITH SEDIMENT MOAT INDIFFUSE BACK LIGHT											
12B077/040	08:30.26	SINGLE	107.5/117.5	-30 .04	0/2	1	4	RT/SB	250	-8	78 9/39.3	202/-36	243/06:33:50	43:27.0
		BB2 *	ISDR 187	0 0	64	2	90.16	28.09			DN0018/04	1		
			TRENCH PICTURE TO CONFIRM DIG											
11B078/040	11 06.44	SINGLE	282 5/290 0	-30 .04	8/2	1	3	REC/UH	16K	0	86.9/74 2	28/-71	243/09:10:08	00:41.2
		BB1 *	ISDR 190 189	1 0	0	0	148.92	64.95			DN0018/05	1		
			VIEW BACK AT LANDER THROUGH SAMPLE ARM MIRROR											
12B079/040	11:29.59	SINGLE	305 0/310 0	-20 .12	14/3	1	4	REC/UH	16K	8	88 1/79.4	214/-76	243/09:33:23	00:10.1
		SURV	ISDR 46 43	3 0	0	0	118.58	53.11			DN0018/06	1		
			SURVEY SINGLET OF RTC2 PARTIALLY SHADED											
12B080/040	11 31.29	IR	305 0/310 0	-20 .12	9/1	1	4	REC/UH	16K	8	88 2/79.7	214/-76	243/09:34:53	00:27.9
		IR3	SDR 42	0 0	1	1	103.82	44.70			DN0018/07	1		
		IR2	SDR 42	0 0	1	1	103.02	44.29			DN0018/08	1		
		IR1	SDR 41	0 0	2	1	115.37	51.33			DN0018/09	1		
			IR OF RTC2											
12B081/040	11:32:59	COLOR	305 0/310 0	-20 .12	1/1	1	4	REC/UH	16K	8	88 2/80.1	214/-77	243/09:36:23	00:27.9
		BLU	SDR 42	0 0	1	1	119.80	58.05			DN0018/10	1		
		GRN	SDR 42	0 0	1	1	116.23	54.08			DN0018/11	1		
		RED	SDR 41	0 0	2	1	128.27	58.77			DN0018/12	1		
			COLOR OF RTC2											
12B082/040	11:34:59	COLOR	87 5/117.5	-10 .12	1/1	1	4	REC/UH	16K	8	88 4/80 5	215/-77	243/09:38:23	02:41.2
		BLU *	ISDR 251	0 0	0	0	128.01	54.63			DN0018/13	1		
		GRN *	ISDR 250	0 0	1	1	125.93	42.51			DN0018/14	1		
		RED *	ISDR 250	0 0	1	1	140.88	31.44			DN0018/15	1		
			COLOR OF TRENCH AND ROCKS OUT TO HORIZON											
12B083/040	11 38 29	IR	87 5/117 5	-10 .12	9/1	1	4	REC/UH	16K	8	88.5/81.3	215/-78	243/09:41:53	02:41.2
		IR3	ISDR 249	0 0	2	1	109.59	24.54			DN0018/16	1		
		IR2	ISDR 249	0 0	2	1	108.28	24.82			DN0018/17	1		
		IR1 *	ISDR 248	0 0	3	2	123.85	27.07			DN0018/18	1		
			IR CORRESPONDING TO 12B082											
12B084/040	11:41.59	SINGLE	87 5/117 5	-10 .12	14/3	1	4	REC/UH	16K	10	88.7/82.1	215/-79	243/09:45:23	00:54.6
		SURV	SDR 253 251	2 0	0	0	129.04	30.93			DN0018/19	1		
			SURVEY TO ACCOMPANY COLOR AND IR											
12B085/040	11:45:59	COLOR	137 5/172 5	-10 .12	1/1	1	4	REC/UH	16K	10	89 0/83.0	216/-80	243/09:49:23	03:07.9
		BLU *	ISDR 292	0 0	1	1	131.86	48.17			DN0018/20	1		
		GRN *	ISDR 292	0 0	1	1	130.82	38.42			DN0018/21	1		
		RED *	ISDR 291	0 0	2	1	145.30	31.50			DN0018/22	1		
			COLOR VIEW TO RIGHT FRONT OF LANDER											

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12B086/040	11:49.59	IR	137.5/172.5	-10 .12	9/1	1	4	REC/UH	16K	10	B9 2/83.9	217/-81	243/09:53:23	03:07.9	
		IR3	ISDR 292	0 0	1	1		113.72	26.14		DN0018/23	1			
		IR2	ISDR 292	0 0	1	1		111.87	26.27		DN0018/24	1			
		IR1 *	ISDR 291	0 0	2	1		126.86	28.55		DN0018/25	1			
		IR TO ACCOMPANY 12B085													
12B087/040	11:53.59	SINGLE	137.5/172.5	-10 .12	14/3	1	4	REC/UH	16K	12	B9.5/84.8	217/-81	243/09:57:23	01:03.5	
		SURV *	ISDR 287	0 0	6	2		132.49	31.04		DN0018/26	1			
		SURVEY TO GO WITH COLOR AND IR													
11B088/040	11:58.59	COLOR	35.0/ 65.0	-10 .12	1/1	1	4	REC/UH	16K	4	B9 9/85.9	35/-83	243/10:02:23	02:41.2	
		BLU *	ISDR 251	0 0	0	0		104.46	46.64		DN0019/01	1			
		GRN *	ISDR 250	0 0	1	1		119.80	50.96		DN0019/02	1			
		RED *	ISDR 250	0 0	1	1		131.09	50.81		DN0019/03	1			
		HORIZON CRATER-LIKE FEATURE. RC3 IN LIGHT. GRID ON LANDER TOP													
11B089/040	12:02:29	IR	35.0/ 65.0	-10 .12	9/1	1	4	REC/UH	16K	4	90.2/86.7	36/-83	243/10:05:53	02:41.2	
		IR3	ISDR 250	0 0	1	1		105.52	41.45		DN0019/04	1			
		IR2	ISDR 250	0 0	1	1		108.64	42.74		DN0019/05	1			
		IR1 *	ISDR 249	0 0	2	1		119.39	47.03		DN0019/06	1			
		IR TO GO WITH 11B088													
11B090/040	12:05:59	SINGLE	35.0/ 65.0	-10 .12	14/3	1	4	REC/UH	16K	4	90.7/87.5	37/-84	243/10:09:23	00:54.6	
		SURV	ISDR 253	251 2	0	0		125.17	48.72		DN0019/07	1			
		SURVEY TO GO WITH COLOR AND IR													
11B091/040	12:39:09	COLOR	280.0/285.0	-20 .12	1/1	1	3	REC/UH	16K	8	270.4/85.0	189/-87	243/10:42:33	00:27.9	
		BLU	ISDR 42	0 0	1	1		152.17	36.87		DN0019/08	1			
		GRN	ISDR 41	0 0	2	1		187.72	40.96		DN0019/09	1			
		RED	ISDR 41	0 0	2	1		165.19	44.48		DN0019/10	1			
		COLOR OF BACKHOE AND MAGNET ARRAY													
11B092/040	12:40:09	IR	280.0/285.0	-20 .12	9/1	1	3	REC/UH	16K	8	270.5/84.8	191/-87	243/10:43:33	00:27.9	
		IR3	ISDR 42	0 0	1	1		183.43	45.62		DN0019/11	1			
		IR2	ISDR 42	0 0	1	1		183.84	46.65		DN0019/12	1			
		IR1	ISDR 41	0 0	2	1		171.24	51.36		DN0019/13	1			
		IR OF BACKHOE AND MAGNET ARRAY													
11B093/040	12:42:09	SINGLE	280.0/285.0	-20 .04	0/2	1	3	REC/UH	16K	8	270.6/84.3	194/-87	243/10:45:33	00:27.9	
		BB2	ISDR 128	126 2	0	0		172.71	59.31		DN0019/14	1			
		H1 RES OF BACKHOE AND MAGNET ARRAY													
11B094/040	13:50:09	SINGLE	220.0/270.0	-50 .04	14/2	1	4	RT/UH	16K	10	274.2/69.0	211/-72	243/11:53:33	04:20.0	
		SURV *	ISDR 1217	0 0	34	1		123.92	32.52		DN0019/15	2			
		SURVEY OF FRACTURED FINES SURFACE NEAR LANDER													

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS				
11B095/040	14:25.54	SINGLE BLU *	270.0/330.0 ISDR 1283	-10 0	.04 0	1/2 218	1 1	4 80.46	RT/UH 35.71	16K	14 DN0019/16	275.9/61.0 213/-64	243/12.29:18	05:20.0	
HI RES COLOR GOOD FROM 270 TO 305 DEG. (CAM CTRL AZ)															
12B096/040	17:16.59	SINGLE BB3 *	12.5/102.5 ISDR 2254	-10 2251	.04 3	13/2 0	1 0	3 194.53	REC/UH 41.32	16K	14 DN0019/17	285.6/23.2 48/-26	243/15.20:23	08:01.2	
AFTERNOON VIEW OF DRIFTS AT LOW PHASE ANGLE															
11B097/040	17:25.59	SINGLE BB3 *	130.0/230.0 ISDR 2499	-10 0	.04 0	13/2 2	1 1	3 163.21	REC/UH 53.64	16K	12 DN0019/18	286.2/21.2 224/-24	243/15:29:23	08:54.5	
SIMILAR TO ABOVE FOR STEREO															
11B098/040	17:36.59	SINGLE BB4 *	90.0/155.0 ISDR 1621	0 0	.04 0	5/2 5	1 2	3 144.64	REC/UH 55.21	16K	12 DN0019/19	286.9/18.9 225/-21	243/15:40:23	05:47.9	
VIEW TO HORIZON OF DRIFTS															
11B099/040	17:43.59	SINGLE BB3 *	35.0/65.0 ISDR 753	-10 751	.04 2	13/2 0	1 0	3 77.14	REC/UH 36.72	16K	12 DN0019/20	287.4/17.4 226/-20	243/15:47:23	02:41.2	
LATE AFTERNOON SURFACE OVER SEISMOMETER															
12B100/041	08:12.26	SINGLE BB2 *	107.5/117.5 ISDR 191	-30 0	.04 0	0/2 60	1 2	4 84.31	RT/SB 29.63	250	-8 DN0020/01	77.9/35.3 201/-32	244/06:55:25	43:27.0	
X RAY TRENCH															
12B101/041	13:44.15	SINGLE RED	95.0/145.0 ISDR 1217	-30 0	.04 0	3/2 34	1 1	4 119.54	RT/UH 30.80	16K	10 DN0020/02	273.6/70.3 34/-73	244/12:27:14	04:20.0	
HI RES COLOR OF TRENCH															
11B102/041	14:20:00	SINGLE RED *	270.0/330.0 ISDR 1384	-10 0	.04 0	3/2 117	1 1	4 122.31	RT/UH 39.93	16K	8 DN0020/03	275.5/62.3 213/-65	244/13:02:59	05:20.0	
HI RES COLOR USABLE FROM 270 TO ABOUT 310 DEGREES															
12B103/041	15:58.44	SINGLE BB3 *	290.0/295.0 ISDR 127	-20 126	.04 1	13/2 0	1 0	3 91.54	REC/UH 52.24	16K	14 DN0020/04	280.7/40.3 43/-43	244/14:41:44	00:27.9	
MIRROR VIEW OF BACKHOE															
12B104/041	16:01.09	SINGLE BB3	290.0/295.0 ISDR 127	-20 126	.04 1	13/2 0	1 0	3 89.68	REC/UH 51.75	16K	14 DN0020/05	280.9/39.8 43/-42	244/14:44:09	00:27.9	
MIRROR VIEW OF BACKHOE															
12B105/041	16:02.09	COLOR BLU GRN RED	290.0/295.0 SDR 42 SDR 42 SDR 41	-20 0 0 0	.12 0 0 0	1/1 1 1 2	1 1 1 1	3 89.34 92.32 99.81	REC/UH 50.00 52.29 55.02	16K	14 DN0020/06 DN0020/07 DN0020/08	280.9/39.5 43/-42	244/14:45:09	00:27.9	
COLOR OF MIRROR VIEW OF BACK HOE															

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSEY	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION /DUST	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS					
12B106/041	16:05:09	SINGLE BB3	290 0/295 0 ISDR 129 126 3	-20 .04	13/2 0	1 3	REC/UH 88.76	16K 49.97	14	281.1/38.9	43/-41	244/14:48:09	00:27.9		
HI RES OF BACKHOE IN MAGNIFYING MIRROR															
12B107/041	16:06:09	COLOR BLU * GRN * RED *	285.0/305 0 ISDR 167 0 0 ISDR 167 0 0 ISDR 166 0 0	-20 .12	1/1 1 1 2	1 3	REC/UH 87.07 90.49 101.58	16K 49.59 52.08 57.13	14	281.1/38.7	43/-41	244/14 49:09	01:47.9		
COLOR OF RTC1 AND MAGNIFYING MIRROR															
12B108/041	17:14:59	SINGLE BB4 *	90 0/105 0 ISDR 377 376 1	0 .04	5/2 0	1 3	REC/UH 192.49	16K 37.58	14	285.4/23.6	48/-26	244/15:57:58	01:21.2		
HI RES OF LARGE ROCKS ON HORIZON															
12B109/041	17:19:59	SINGLE SUN SUN DIODE	227.5/230.0 SDR 65 64 1	30 .04	4/2 0	1 3	REC/UH 26.58	16K 15.05	14	285.7/22.5	48/-25	244/16:02:58	00:14.6		
12B110/041	17:21:59	SINGLE BB2 *	77.5/115 0 ISDR 940 939 1	-30 .04	0/2 0	1 3	REC/UH 119.74	16K 50.48	14	285.8/22.1	48/-25	244/16:04:58	03:21.2		
LATE AFTERNOON NEAR FIELD ROCKS															
12B111/041	17:27:59	SINGLE BB3 *	115.0/202.5 ISDR 2186 0 0	-20 .04	13/2 3	1 3	REC/UH 83.26	16K 40.11	16	286.2/20.8	48/-23	244/16:10:58	07:47.9		
LATE AFTERNOON NEAR FIELD ROCKS															
12B112/041	17:37:59	SINGLE BB3 *	267.5/310 0 ISDR 1059 0 0	-10 .04	13/2 5	1 3	REC/UH 82.96	16K 41.11	16	286.9/18.6	49/-21	244/16:20:58	03:47.9		
ROCKS IN DIRECTION OF HGA MAST															
12B113/041	17:51:59	SINGLE SUN SUN DIODE	230.0/232.5 SDR 65 64 1	20 .04	4/2 0	1 2	REC/UH 31.55	16K 5.08	16	287.9/15.6	50/-18	244/16:34:58	00:14.6		
12B114/041	19:04:59	COLOR BLU GRN RED	237.5/237.5 SDR 37 2 37 SDR 38 2 37 SDR 38 2 37	10 .12	1/1 1 0 0	1 5	REC/UH 103.51 93.88 81.39	250 62.30 55.94 51.94	10	293.9/ 0.2	56/-3	244/17:47:58	25:01.2	R	
COLOR RESCAN OF SUNSET															
12B115/041	19:31:59	COLOR BLU GRN RED	240.0/240.0 SDR 37 2 37 SDR 38 2 37 SDR 37 2 37	10 .12	1/1 1 0 1	1 2	REC/UH 61.57 60.98 57.35	250 49.02 47.82 43.28	10	296.5/-5.3	59/ 2	244/18:14:58	25:01.2	R	
COLOR RESCAN OF SUNSET															

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS			
12B116/041	19:58 59	COLOR	242 5/242	0	10	.12	1/1	1	1	REC/UH	250	10 299 4/-10	61/ 7	244/18:41:58 25:01.2 R
		BLU	ISDR 50	2	50		1	1		75.15	27 49	DN0020/25	1	
		GRN	ISDR 51	2	50		0	0		69.26	15.72	DN0020/26	1	
		RED	ISDR 51	2	50		0	0		66.78	10.24	DN0020/27	1	
		COLOR RESCAN OF SUNSET												
11B117/042	11:30.27	SINGLE	297 5/307	5	-20	.04	13/2	1	4	RT/SB	250	4 89 2/79.6	31/-76	245/10:53:01 43:27.0
		BB3	ISDR 187	0	0		64	2		121.52	28.42	DN0020/28	1	
		X-RAY TRENCH												
12B118/042	13:38 28	SINGLE	95.0/145.0	-30	.04	2/2	1	4	RT/UH	16K	8 273 0/71.6	33/-74	245/13 01:03 04.20.0	
		GRN	ISDR 1217	0	0		34	1		95.06	23.82	DN0020/29	2	
		HI RES GREEN OF TRENCH												
11B119/042	14:14 14	SINGLE	270 0/330	0	-10	.04	2/2	1	4	RT/UH	16K	10 275.0/63 6	212/-66	245/13:36.48 05:20.0
		GRN	ISDR 1377	0	0		124	2		100.58	38 18	DN0020/30	2	
		HI RES GREEN, POSSIBLE OUTCROP GOOD TO ABOUT 310 DEG												
11B120/042	17:30.00	SINGLE	230 0/330	0	-10	.04	13/2	1	3	REC/UH	16K	12 286.3/20 3	224/-23	245/16:52.34 08:54.5
		BB3	ISDR 2502	2501	1		0	0		143.21	57.78	DN0020/31	4	
		HI RES BLOCK FIELD												
12B121/043	13:32.13	SINGLE	95 0/145.0	-30	.04	3/2	1	4	RT/UH	16K	8 272 3/73 0	32/-75	246/13:34:23 04:20.0	
		RED	ISDR 1216	0	0		35	2		122.31	30.85	DN0021/01	2	
		HI RES RED OF TRENCH SAME AREA AS 12B118												
11B122/043	14:07 59	SINGLE	270 0/330.0	-10	.04	3/2	1	4	RT/UH	16K	10 274.4/64.9	211/-67	246/14 10:08 05:20.0	
		RED	ISDR 1347	0	0		154	1		124.41	39 59	DN0021/02	2	
		HI RES RED, SAME AS 11B119 GOOD TO ABOUT 310 DEG (C)												
11B123/043	17:34 00	SINGLE	300 0/335.0	-10	.04	13/2	1	3	REC/UH	16K	12 286.5/19 3	225/-22	246/17:36:10 03:07.9	
		BB3	ISDR 879	876	3		0	0		90.11	38 93	DN0021/03	1	
		LATE AFTERNOON POSSIBLE OUTCROP												
11B124/045	06 57.59	SINGLE	155.0/185 0	-10	.04	13/2	1	4	RT/SB	16K	-13 73.6/19 1	12/-16	248/08:19.19 02:41.2	
		BB3	ISDR 756	751	7		2	1		51.94	22.83	DN0021/04	1	
		EARLY MORN BIG JOE AND DRIFTS												
12B125/045	12:12.58	COLOR	85.0/120 0	-30	.12	1/1	1	4	RT/SB	16K	6 125 3/89 1	232/-86	248/13:34.19 03:07.9	
		BLU	ISDR 292	0	0		1	1		95.09	23.40	DN0021/05	1	
		GRN	ISDR 293	0	0		0	0		102.97	23 06	DN0021/06	1	
		RED	ISDR 291	0	0		2	2		132.16	26.01	DN0021/07	1	
		COLOR OF TRENCH												
11B126/046	14:28 59	SINGLE	155 0/185.0	-10	.04	13/2	1	4	RT/SB	16K	8 275.0/60.1	212/-63	249/16:29:55 02:41.2	
		BB3	ISDR 758	751	7		0	0		148.01	28 03	DN0021/08	1	
		BIG JOE AND DRIFTS												

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12B127/047	12:14:59	IR	85.0/120.0	-30	.12	9/1	1	4	RT/SB	16K	6	162 3/89.2	238/-86	250/14:55:30	03:07.9	
		IR3	ISDR 293	0	0	0	0		101.66	20.32		DN0021/09	1			
		IR2	ISDR 293	0	0	0	0		99.65	20.21		DN0021/10	1			
		IR1 *	ISDR 292	0	0	1	1		117.02	23.68		DN0021/11	1			
		IR OF TRENCH														
12B128/049	06:58 59	SINGLE	10.0/ 40.0	-10	.04	13/2	1	3	RT/SB	16K	-12	74.2/19.3	197/-16	252/10:58:40	02:41.2	
		BB3 *	ISDR 758	751	7	0	0		88.55	35.16		DN0021/12	1			
		EARLY MORNING OF DRIFTS. RIPPLES OR INTERNAL STRUCTURE WELL DISPLAYED														
11B129/050	06:30.00	SINGLE	300.0/335.0	-10	.04	13/2	1	3	RT/SB	16K	-37	72 1/13.1	11/-10	253/11:09:16	03:07.9	
		BB3 *	ISDR 879	876	5	2	1		101.19	39.63		DN0021/13	1			
		ROCK FIELD AND POSSIBLE OUTCROP. EARLY MORING														
11B130/051	06:59.29	SINGLE	185.0/215.0	-10	.04	13/2	1	3	RT/SB	16K	-13	74.4/19.4	13/-16	254/12:18:21	02:41.2	
		BB3 *	ISDR 756	751	7	2	2		98.86	38.14		DN0021/14	1			
		CONSIDERABLE OVERLAP WITH 12B128. SHOULD PROVIDE GOOD STEREO														
11B131/051	12:59 59	SINGLE	.0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	6	265.4/79.9	196/-82	254/18:18:51	00:10.1	
		BB1	ISDR 48	43	5	0	0		81.96	67.26		DN0021/15	1			
		CAMERA 1 SCAN VERIFICATION														
11B132/051	13:03 59	SINGLE	.0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	6	266.1/79.0	198/-81	254/18:22:51	00:10.1	D
		BB1	ISDR 48	43	5	0	0		84.68	67.55		DN0021/16	1			
		CAMERA 1 SCAN VERIFICATION														
11B133/051	13:04.09	SINGLE	170.0/170.0	0		7/7	1	2	RT/SB	16K	6	/	/	254/18:23:01	0:18.0	
		CAL	ISDR 49	0	0	0	0		.00	.00		DN0021/17	1			
		CALIBRATION														
12B134/051	13:43.59	SINGLE	.0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	10	270.7/70.0	30/-72	254/19:02:51	00:10.1	
		BB1	ISDR 48	43	5	0	0		73.28	51.97		DN0021/18	1			
		CAMERA 2 SCAN VERIFICATION														
12B135/051	13:48.00	SINGLE	.0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	10	271.0/69.1	31/-71	254/19:06:52	00:10.1	D
		BB1	ISDR 48	43	5	0	0		69.96	46.10		DN0021/19	1			
		CAMERA 2 SCAN VERIFICATION														
12B136/051	13:48.10	SINGLE	170.0/170.0	0		7/7	1	2	RT/SB	16K	10	/	/	254/19:07:02	0:18.0	
		CAL	ISDR 49	0	0	0	0		.00	.00		DN0021/20	1			
		CALIBRATION														
11B137/052	12:30 59	SINGLE	155.0/185.0	-10	.04	13/2	1	4	RT/SB	16K	6	250.8/86.2	137/-87	255/18:29:26	02:41.2	
		BB3 *	ISDR 758	751	7	0	0		152.03	34.59		DN0021/21	1			
		BIG JOE AND DRIFTS														

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12B138/053	14:01:59	SINGLE	85.0/120.0	-30	.04	0/2	1	4	RT/SB	16K	12 271 6/65 8	32/-68	256/20:40:01	03:07.9	
		BB2 * ISDR	881 876	5		0	0	116.71	26.16		DN0021/22	1	LARGE AREA AROUND TRENCH		
11B139/054	17:27:59	SINGLE	155.0/185.0	-10	.04	13/2	1	4	RT/SB	16K	12 285.0/19 9	223/-22	258/00:45:37	02:41.2	
		BB3 * ISDR	756 751	7		2	1	75.62	25.42		DN0021/23	1	BIG JOE. SAME AS 11B097		
11B140/055	14 01:59	SINGLE	270.0/305.0	-30	.04	0/2	1	4	RT/SB	16K	10 271 0/65.7	207/-68	258/21:59:12	03:07.9	
		BB2 * ISDR	878 876	5		3	2	123.16	25.80		DN0021/24	1	STEREO OF TRENCH WITH B138		
12B141/057	09:36 29	COLOR	280 0/310.0	-10	.12	1/1	1	5	RT/SB	16K	-2 85 6/54.2	209/-51	260/18:52:52	02:41.2	
		BLU * ISDR	252 252	1		0	0	72.75	40.03		DN0021/25	1	COLOR OF LANDER TOP-GRID AND RTC1		
		GRN * ISDR	252 252	1		0	0	68.14	33 44		DN0021/26	1			
		RED * ISDR	251 252	1		1	1	67.99	28 47		DN0021/27	1			
11B142/057	12:12 59	SINGLE	300.0/335 0	-10	.04	13/2	1	3	RT/SB	16K	4 169.1/88 1	67/-85	260/21:29:22	03:07.9	
		BB3 * ISDR	884 876	8		0	0	184.96	47 17		DN0021/28	1	AREA OF ROCKS SAME AS 11B129		
11B143/058	13:03:59	COLOR	175.0/205.0	-30	.12	1/1	1	4	RT/SB	16K	6 262.2/78.6	193/-81	261/22:59:58	02:41.2	
		BLU * ISDR	246 0 0	0		5	1	92.08	40.43		DN0021/29	1	COLOR OF PART OF DRIFT AREA		
		GRN * ISDR	246 0 0	0		5	1	109 11	41 88		DN0021/30	1			
		RED * ISDR	247 0 0	0		4	1	138.39	49.19		DN0021/31	1			
11B144/059	15:08:59	SINGLE	207.5/242.5	-30	.04	0/2	1	4	RT/SB	16K	10 275.1/50.4	213/-53	263/01:44:33	03:07.9	
		BB2 * ISDR	881 876	5		0	0	139.68	20.39		DN0021/32	1	TRENCHES AND VESICULAR ROCK WITH SEDIMENT MOATS		
11B145/060	13:03:59	IR	175.0/205.0	-30	.12	9/1	1	4	RT/SB	16K	6 261.0/78.5	191/-81	264/00:19:08	02:41.2	
		IR3 ISDR	252 252	1		0	0	113.60	40.92		DN0021/33	1	IR OF DRIFTS TO MATCH 11B143		
		IR2 ISDR	252 252	1		0	0	116 36	41.43		DN0021/34	1			
		IR1 * ISDR	251 252	1		1	1	127.49	45 94		DN0021/35	1			
12B146/061	17:15:14	SINGLE	210.0/237.5	30	.04	4/2	1	3	RT/SB	16K	14 283 3/22.3	45/-25	265/05:09:58	02:27.9	
		SUN ISDR	694 689	5		0	0	29.45	28 66		DN0022/01	1	SUNDIODE		
12B147/062	16:27:59	COLOR	185 0/215.0	10	.12	1/1	1	5	RT/SB	16K	12 279.9/32 6	42/-35	266/05:02:19	02:41.2	
		BLU SDR	250 0 0	0		1	1	85.32	74.37		DN0022/02	1	COLOR OF LATE AFTERNOON SKY		
		GRN SDR	250 0 0	0		1	1	100.28	77.78		DN0022/03	1			
		RED SDR	250 0 0	0		1	1	105.62	73.05		DN0022/04	1			

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA-RSCN TION /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF SEGMENTS				
11B148/063	17:33.40	SINGLE	300.0/335.0	-10 .04	13/2	1 3	RT/SB	16K	12	284	4/18.1	223/-21	267/06:47:35	03:07.9
		BB3 * ISDR	880 876	5	1	1	87.02	38 95			DN0022/05	1		
		ROCKY AREA AS IN 11B142 SAME AS 11B123. BEGIN REPEAT												
11B149/065	06:57.39	SINGLE	155.0/185.0	-10 .04	13/2	1 4	RT/SB	16K	-13	76.2	19 0	15/-16	268/21:30.44	02.41.2
		BB3 * SDR	753 751	2	0	0	52 21	22.08			DN0022/06	1		
		BIG JOE. SAME AS 11B124												
12B150/065	12:12.39	COLOR	85 0/120.0	-30 .12	1/1	1 4	RT/SB	16K	8	176.8	87.1	262/-85	269/02:45:44	03.07.9
		BLU * SDR	291 0	0	2	2	96.75	23 32			DN0022/07	1		
		GRN * SDR	291 0	0	2	1	105 39	23.57			DN0022/08	1		
		RED * SDR	290 0	0	3	2	135.65	26.94			DN0022/09	1		
		COLOR OF TRENCH. SAME AS 12B125												
11B151/066	14:28.40	SINGLE	155 0/185 0	-10 .04	13/2	1 4	RT/SB	16K	10	270.5	59.1	207/-62	270/05:41.20	02.41.2
		BB3 * ISDR	757 751	6	0	0	153.55	28.27			DN0022/10	1		
		BIG JOE. SAME AS 11B126												
12B152/067	12.14.39	IR	85.0/120 0	-30 .12	9/1	1 4	RT/SB	16K	8	186 7/86 8	270/-85	271/04.06.55	03.07.9	
		IR3 SDR	292 0	0	1	1	104 06	21 47			DN0022/11	1		
		IR2 SDR	291 0	0	2	1	101.89	21.62			DN0022/12	1		
		IR1 * SDR	291 0	0	2	1	119.28	24.91			DN0022/13	1		
		IR OF TRENCH. SAME AS 11B127.												
12B153/069	06:58.39	SINGLE	10 0/ 40.0	-10 .04	13/2	1 3	RT/SB	16K	-12	76 8/19.2	199/-16	273/00.10 06	02.41.2	
		BB3 * ISDR	435 751	7	323	1	89.68	37.21			DN0022/14	1		
		DRIFTS. SAME AS 12B128 BUT A LARGE SECTION MISSING												
11B154/070	06:29.40	SINGLE	300 0/335 0	-10 .04	13/2	1 3	RT/SB	16K	-6	74.8	12.8	13/-10	274/00:20:42	03 07.9
		BB3 * ISDR	881 876	5	0	0	97.90	37 87			DN0022/15	1		
		ROCKY AREA SAME AS 11B129												
11B155/071	06:59.10	SINGLE	185.0/215.0	-10 .04	13/2	1 3	RT/SB	16K	-12	77.2	19 2	16/-16	275/01:29.47	02.41.2
		BB3 * ISDR	758 751	7	0	0	98.00	35 52			DN0022/16	1		
		DRIFTS SAME AS 11B130												
11B156/071	12:59.40	SINGLE	0/ 5.0	0 .12	8/3	1 4	RT/SB	16K	8	253 1/78.6	181/-81	275/07.30.16	00:10.1	
		BB1 SDR	48 43	5	0	0	82.76	67 40			DN0022/17	1		
		CAM 1 SCAN VER												
11B157/071	13:03.39	SINGLE	.0/ 5.0	0 .12	8/3	1 4	RT/SB	16K	8	254 6/77.7	184/-80	275/07:34:16	00:10.1 D	
		BB1 ISDR	48 43	5	0	0	77.78	63.55			DN0022/18	1		
		CAM 1 SCAN VER												
11B158/071	13:03.49	SINGLE	170.0/170.0	0	15/7	1 2	RT/SB	16K	8	/	/	275/07:34.26	0:18.0	
		CAL SDR	61	0	0	0	.00	.00			DN0022/19	1		
		CALIBRATION												

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS			
12B159/071	13:43	40	SINGLE 0/ 5.0	0	.12	B/3	1	4	RT/SB	16K	12	263 9/68.9	23/-71	275/08:14:16	00:10.1
			BB1 SDR 44	43	1	0	0	56.95	31.58			DN0022/20	1		
			CAM 2 SCANVER												
12B160/071	13 47	40	SINGLE 0/ 5.0	0	.12	B/3	1	4	RT/SB	16K	12	264.5/68 0	24/-70	275/08:18:17	00:10.1 D
			BB1 SDR 44	43	1	0	0	56.92	31.05			DN0022/21	1		
			CAM 2 SCANVER												
12B161/071	13 47	50	SINGLE 170 0/170 0	0		15/7	1	2	RT/SB	16K	12	/	/	275/08:18:27	0:18.0
			CAL SDR 61	0	0	0	0	.00	.00			DN0022/22	1		
			CALIBRATION												
11B162/072	12:30	39	SINGLE 155 0/185 0	-10	.04	13/2	1	4	RT/SB	16K	6	22B 2/84.3	135/-85	276/07:40:51	02:41.2
			BB3 * ISDR 758	751	7	0	0	158.37	34.74			DN0022/23	1		
			BIG JOE SAME AS 11B137.												
12B163/073	14.01	39	SINGLE 85 0/120.0	30	.04	0/2	1	4	RT/SB	16K	14	265.7/64.7	26/-67	277/09:51:26	03:07.9
			BB2 * SDR 694	689	5	0	0	116.76	27.02			DN0022/24	1		
			TRENCH. SAME AS 12B138												
11B164/074	17.27	40	SINGLE 155 0/185.0	-10	.04	13/2	1	4	RT/SB	16K	12	282.5/18.5	221/-21	278/13:57:02	02:41.2
			BB3 * ISDR 758	751	7	0	0	73.89	25.14			DN0022/25	1		
			BIG JOE. SAME AS 11B139												
11B165/075	14.01	40	SINGLE 270 0/305.0	-30	.04	0/2	1	4	RT/SB	16K	10	265.1/64 6	201/-67	279/11:10:37	03:07.9
			BB2 * ISDR 881	876	5	0	0	117.02	30.11			DN0022/26	1		
			TRENCH. SAME AS 11B140												
12B166/076	09:59	59	COLOR 280.0/310.0	-10	.12	1/1	1	5	RT/SB	16K	0	92.5/59 6	216/-56	280/07:48:32	02:41.2
			BLU * ISDR 251	0	0	0	0	71.47	37.39			DN0022/27	1		
			GRN * ISDR 251	0	0	0	0	68.29	32.20			DN0022/28	1		
			RED * ISDR 251	0	0	0	0	69.52	28.98			DN0022/29	1		
			LANDER TOP. SAME AS 12B141												
11B167/077	12:12	39	SINGLE 300 0/335 0	-10	.04	13/2	1	3	RT/SB	16K	6	183 5/85.4	92/-84	281/10:40:48	03:07.9
			BB3 * ISDR 879	876	5	2	1	181.54	47.99			DN0022/30	1		
			ROCKY AREA SAME AS 11B142												
11B168/078	13 03	40	COLOR 175 0/205 0	-30	.12	1/1	1	4	RT/SB	16K	8	250.6/77.1	180/-79	282/12:11:24	02:41.2
			BLU * SDR 248	0	0	3	3	95.16	40.70			DN0022/31	1		
			GRN * SDR 249	0	0	2	2	112.80	42.36			DN0022/32	1		
			RED * SDR 249	0	0	2	2	142.39	50.71			DN0022/33	1		
			COLOR OF DRIFTS. SAME AS 11B143 BUT NOISIER.												
11B169/079	15:08	40	SINGLE 207.5/242 5	-30	.04	0/2	1	4	RT/SB	16K	12	271.1/49.2	208/-52	283/14:55:58	03:07.9
			BB2 * ISDR 881	876	5	0	0	145.16	19.06			DN0022/34	1		
			TRENCHES. SAME AS 11B144.												

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS				
11B170/080	13:03 39	IR	175 0/205.0	-30 .12	9/1	1 4	RT/SB	16K	-25	249 5/76.9	179/-79	284/13:30:34	02:41.2		
		IR3 * ISDR	251 0 0	0 0	0 0	0 0	116 95	41.85		DN0022/35	1				
		IR2 * ISDR	251 0 0	0 0	0 0	0 0	119.43	42 62		DN0022/36	1				
		IR1 * ISDR	251 0 0	0 0	0 0	0 0	130.70	47.55		DN0022/37	1				
		IR SAME AS 11B145.													
12B171/081	17:14.54	SINGLE	210.0/237.5	30 .04	4/2	1 3	RT/SB	16K	14	280.5/20.8	43/-23	285/18:21:23	02:27.9		
		SUN	ISDR 694	689 5	0	0	35.89	40.98		DN0023/01	1				
		SUNDIODE													
12B172/082	16 27 40	COLOR	185.0/215.0	10 .12	1/1	1 5	RT/SB	16K	14	276 8/31.2	39/-34	286/18:13:44	02:41.2		
		BLU * ISDR	252 252 1	0 0	0 0	0 0	68.22	60.09		DN0023/02	1				
		GRN * ISDR	252 252 1	0 0	0 0	0 0	90.80	76 39		DN0023/03	1				
		RED * ISDR	251 252 1	0 0	1 1	1 1	100.94	74.77		DN0023/04	1				
		SKY. SAME AS 12B147													
11B173/083	17:33 21	SINGLE	300.0/335 0	-10 .04	13/2	1 3	RT/SB	16K	12	281.7/16.5	220/-19	287/19:59:00	03:07.9		
		BB3 * ISDR	881 876 5	0 0	0 0	0 0	85.97	41 42		DN0023/05	1				
		ROCKY AREA. SAME AS 11B148 BEGIN SECOND REPEAT CYCLE													
11B174/085	06:57 59	SINGLE	167.5/187 5	-10 .04	13/2	1 4	RT/SB	16K	-13	79 4/18.8	18/-16	289/10:42:49	01:47.9		
		BB3 * ISDR	508 501 7	0 0	0 0	0 0	54.85	23.26		DN0023/06	1				
		AREA OF DRIFTS													
12B175/085	12:12 58	COLOR	92 5/120.0	-30 .12	1/1	1 4	RT/SB	16K	8	186 4/84.1	284/-83	289/15:57:49	02:27.9		
		BLU * SDR	229 0 0	0 0	1 1	1 1	97.27	18.96		DN0023/07	1				
		GRN * SDR	229 0 0	0 0	1 1	1 1	107.28	24 19		DN0023/08	1				
		RED * SDR	229 0 0	0 0	1 1	1 1	137.83	28.42		DN0023/09	1				
		COLOR SAME AS 11B150.													
11B176/086	14 28 59	SINGLE	167.5/187 5	-10 .04	13/2	1 4	RT/SB	16K	12	265.3/57.6	202/-60	290/18:53:25	01:47.9		
		BB3 * ISDR	506 501 5	0 0	0 0	0 0	166.82	21.65		DN0023/10	1				
		DRIFTS OUT TO HORIZON													
12B177/087	12:14.59	IR	92 5/120.0	-30 .12	9/1	1 4	RT/SB	16K	10	191.0/83.7	289/-82	291/17:19:00	02:27.9		
		IR3 ISDR	231 231 1	0 0	0 0	0 0	105.63	22 35		DN0023/11	1				
		IR2 ISDR	230 231 1	0 0	1 1	1 1	103.25	22.45		DN0023/12	1				
		IR1 * ISDR	230 231 1	0 0	1 1	1 1	120.69	25 89		DN0023/13	1				
		IR OF TRENCH. SAME AS 11B152													
12B178/089	06 58.59	SINGLE	20.0/ 37.5	-10 .04	13/2	1 3	RT/SB	16K	-10	80 2/19.0	203/-16	293/13:22:10	01:34.6		
		BB3 * ISDR	445 439 6	0 0	0 0	0 0	91.47	34.08		DN0023/14	1				
		DRIFTS.													
11B179/090	06:29 29	SINGLE	300.0/327.5	-10 .04	13/2	1 3	RT/SB	16K	-13	78.0/12.4	16/-9	294/13:32:16	02:27.9		
		BB3 * ISDR	697 689 8	0 0	0 0	0 0	98.05	38.45		DN0023/15	1				
		ROCKY AREA. SAME AS 11B154.													

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS				
11B180/091	09:04 59	SINGLE BB2 * SDR	210.0/230.0 492	-30 0	.04 0	0/2 9	1 1	4 1	RT/SB 81.23	16K 30.58	-4 91.1/47.2	30/-44 DN0023/16	295/16.47:21	01:47.9	
TRENCHES AND SEDIMENT MOAT ROCKS															
11B181/091	12:59 59	SINGLE BB1 SDR	0/ 44	5.0 43	0 1	.12 0	8/3 0	1 0	4 0	RT/SB 75.52	16K 65.66	10 241.7/76.5	170/-78 DN0023/17	295/20.42:21	00:10.1
CAM 1 SCANVER															
11B182/091	13:04 00	SINGLE BB1 SDR	.0/ 44	5.0 43	0 1	.12 0	8/3 0	1 0	4 0	RT/SB 76.36	16K 66.29	10 243.7/75.6	173/-77 DN0023/18	295/20.46:22	00:10.1 D
CAM 1 SCANVER															
11B183/091	13 04.10	SINGLE CAL SDR	170.0/170.0 61	0 0	0 0	15/7 0	1 0	2 0	RT/SB .00	16K .00	10 /	/ DN0023/19	/ 1	295/20.46:32	0:18.0
CALIBRATION															
12B184/091	13:43 59	SINGLE BB1 SDR	.0/ 44	5.0 43	0 1	.12 0	8/3 0	1 0	4 0	RT/SB 56.33	16K 30.78	14 256.5/67.2	15/-69 DN0023/20	295/21.26:21	00:10.1
CAM 1 SCANVER															
12B185/091	13:48 00	SINGLE BB1 SDR	.0/ 44	5.0 43	0 1	.12 0	8/3 0	1 0	4 0	RT/SB 56.33	16K 30.78	14 257.4/66.3	16/-68 DN0023/21	295/21.30:21	00:10.1 D
CAM 1 SCANVER															
12B186/091	13:48.10	SINGLE CAL SDR	170.0/170.0 61	0 0	0 0	15/7 0	1 0	2 0	RT/SB .00	16K .00	14 /	/ DN0023/22	/ 1	295/21:30:31	0:18.0
CALIBRATION															
11B187/092	12:30.59	SINGLE BB3 * SDR	167.5/187.5 493	-10 0	.04 0	13/2 8	1 2	4 1	RT/SB 169.31	16K 29.18	8 216.6/81.3	135/-81 DN0023/23	296/20.52:56	01.47.9	
BIG ROCKS AND DRIFTS															
12B188/093	14:01 58	SINGLE BB2 * ISDR	92.5/120.0 694	-30 689	.04 5	0/2 0	1 0	4 0	RT/SB 116.96	16K 28.40	14 259.3/63.0	19/-65 DN0023/24	297/23:03:31	02:27.9	
TRENCH. SIMILAR TO 12B163															
11B189/094	17:27 59	SINGLE BB3 ISDR	167.5/187.5 488	-10 501	.04 5	13/2 18	1 2	4 2	RT/SB 86.65	16K 33.66	14 279.6/16.7	218/-19 DN0023/25	299/03:09:07	01.47.9	
DRIFTS. NOISY															
11B190/095	14:01 59	SINGLE BB2 * SDR	277.5/305.0 690	-30 689	.04 1	0/2 0	1 0	4 0	RT/SB 115.18	16K 33.14	12 258.6/62.8	194/-65 DN0023/26	300/00:22:42	02:27.9	
TRENCH. SIMILAR TO 11B165															
12B191/096	10:29 59	COLOR BLU * SDR	285.0/300.0 125	-10 0	.12 0	1/1 1	1 1	5 1	RT/SB 68.08	16K 29.18	2 104.7/66.0	227/-63 DN0023/27	300/21:30:17	01:21.2	
GRN * SDR 124 0 0 2 1 66.74 26.06 DN0023/28 1															
RED * SDR 124 0 0 2 1 71.08 27.16 DN0023/29 1															
LANDER TOP. SAME AS 12B166															

VIKING PROJECT LIBRARY
VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11B192/097	12.12.59	SINGLE	300.0/327.5	-10 .04	13/2	1	3	RT/SB	16K	6	188.0/82.0	107/-81	301/23:52:52	02:27.9
		BB3 *	SDR 690	689 1	0	0	0	176.56	49.10		DN0023/30	1		
			ROCKY AREA SAME AS 11B167											
11B193/098	13.03.59	COLOR	175.0/195.0	-30 .12	1/1	1	4	RT/SB	16K	8	240.2/74.8	169/-76	303/01:23:28	01:47.9
		BLU *	SDR 166	0 0	2	1	1	93.51	37.46		DN0023/31	1		
		GRN *	SDR 166	0 0	2	1	1	114.21	42.27		DN0023/32	1		
		RED *	SDR 166	0 0	2	1	1	146.65	52.66		DN0023/33	1		
			COLOR OF DRIFTS. SIMILAR TO 11B168											
11B194/100	06:59:29	SINGLE	187.5/215.0	-10 .04	13/2	1	3	RT/SB	16K	-13	82.3/18.8	21/-16	304/20:38:08	02:27.9
		BB3 *	ISDR 694	689 5	0	0	0	104.06	43.30		DN0023/34	1		
			DRIFTS WITH INTERNAL STRUCTURE OR RIPPLES											
11B195/100	13.03.59	IR	175.0/195.0	-30 .12	9/1	1	4	RT/SB	16K	8	239.2/74.5	169/-76	305/02:42:38	01:47.9
		IR3	ISDR 162	0 0	6	4	1	119.14	41.70		DN0023/35	1		
		IR2	ISDR 162	0 0	6	4	1	121.94	42.64		DN0023/36	1		
		IR1 *	ISDR 162	0 0	6	5	1	134.82	48.87		DN0023/37	1		
			IR SAME AS 11B170											
12B196/101	17.15.14	SINGLE	217.5/227.5	20 .04	4/2	1	3	RT/SB	16K	14	277.4/18.9	39/-21	306/07:33:28	00:54.6
		SUN	ISDR 252	251 1	0	0	0	23.95	8.51		DN0023/38	1		
			SUNDIODE											
12B197/101	17.41.14	SINGLE	217.5/227.5	20 .04	4/2	1	3	RT/SB	16K	12	279.5/13.1	42/-16	306/07:59:28	00:54.6
		SUN	SDR 252	251 1	0	0	0	23.61	5.68		DN0023/39	1		
			SUNDIODE											
12B198/102	16:27 59	COLOR	187.5/207.5	10 .12	1/1	1	5	RT/SB	16K	14	273.3/29.4	35/-32	307/07:25:49	01:47.9
		BLU	SDR 167	0 0	1	1	1	64.27	57.90		DN0023/40	1		
		GRN	SDR 167	0 0	1	1	1	88.62	77.55		DN0023/41	1		
		RED	SDR 166	0 0	2	1	1	105.48	78.90		DN0023/42	1		
			LATE AFTERNOON SKY											

**VL-1 HIGH-RESOLUTION CAMERA EVENTS
IN EVENT ORDER**

VL-1

HIGH-RESOLUTION CAMERA EVENTS IN EVENT ORDER

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN	CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12A001/000	16 13 21	BB1	102.5	160 0	-50	.04	1	4	11A114/019	15:17:02	BB2	190.0	322.5	-30	.04	1	4
12A003/001	07 47 59	BB2	80 0	140.0	-30	.04	1	4	11A115/019	15:49 01	BB1	182 5	195 0	-50	.04	1	4
12A009/001	15 50 28	BB1	80.0	160 0	-50	.04	1	4	12A116/020	07:53:59	BB4	90.0	217 5	0	.04	1	4
12A010/002	07.18 00	BB4	65 0	155.0	-10	.04	1	4	11A118/020	14 49.59	BB1	217.5	227.5	0	.04	1	5
12A013/002	10 29 50	BB1	117 5	155 0	-50	.04	1	4	12A119/020	15.14 51	BB3	5.0	137.5	-10	.04	1	4
12A014/002	13 06 00	BB1	295.0	305 0	-30	.04	1	4	11A120/020	15.46 49	BB1	182.5	195.0	-50	.04	1	4
12A016/003	09 10 27	BB1	125.0	132.5	-50	.04	1	4	12A124/021	07.29 59	BB1	77 5	117 5	-50	.04	1	3
11A017/003	14 28 00	BB3	272.5	300.0	-20	.04	1	4	12A125/021	08.09:59	BB4	227.5	290.0	0	.04	1	4
11A022/004	07.11 59	BB1	235.0	277 5	-50	.04	1	4	12A126/021	10.00 27	BB1	295 0	302 5	-30	.04	1	5
11A023/004	07 23 59	BB2	270 0	305 0	-30	.04	1	4	11A127/021	15:12 30	BB3	202 5	335.0	-10	.04	1	4
11A025/004	07 29 59	BB1	35.0	40 0	-20	.04	1	4	11A128/021	15.44 28	BB1	182.5	195.0	-50	.04	1	4
11A030/004	15 45 16	BB3	260 0	340 0	-10	.04	1	4	11A129/022	08.10 00	BB4	100 0	195.0	0	.04	1	4
12A031/005	08 10 27	BB1	125.0	132 5	-50	.04	1	4	11A130/022	10 10.27	BB3	295 0	305.0	-20	.04	1	4
11A032/005	10.46 41	BB1	277 5	302 5	0	.04	1	5	11A131/022	13.22 00	BB3	150.0	192 5	-10	.04	1	4
12A036/005	14 59 59	BB1	197 5	212 5	-10	.04	1	5	11A132/022	15:09 59	BB1	195 0	327.5	-50	.04	1	4
11A037/005	15.43 10	BB2	182 5	242 5	-30	.04	1	4	11A133/022	15 41 58	BB1	237.5	250.0	-50	.04	1	4
12A039/006	07.24 27	BB1	125 0	132 5	-50	.04	1	4	12A135/023	09.10:00	BB4	177.5	200 0	0	.04	1	4
12A043/006	12 30.00	BB1	305 0	310 0	-20	.04	1	4	12A136/023	15:07 17	BB1	30 0	162 5	-50	.04	1	4
11A048/007	07:12 00	BB2	240 0	270 0	-30	.04	1	4	11A137/023	15.39:16	BB1	247.5	200.0	-50	.04	1	4
11A051/007	15 38 25	BB1	200 0	260 0	-50	.04	1	4	11A138/024	09.19:59	BB1	182 5	230 0	-50	.04	1	4
11A052/007	17.41 59	BB2	207 5	217.5	-30	.04	1	4	12A139/024	09:36.27	BB3	105 0	115 0	-30	.04	1	4
12A054/007	17 44 59	BB3	22.5	32 5	-20	.04	1	4	12A140/024	15 04.26	BB2	5.0	145.0	-30	.04	1	4
11A055/008	06 47 59	BB2	207 5	217 5	-30	.04	1	4	11A141/024	15 36 24	BB2	320.0	335.0	-30	.04	1	4
12A056/008	06 49 59	BB3	22.5	32 5	-20	.04	1	4	11A142/025	05 44.59	BB4	292 5	335 0	-10	.04	1	3
11A058/008	08 48 59	BB2	207 5	217 5	-30	.04	1	4	11A143/025	14:59:39	BB4	155 0	202.5	-10	.04	1	4
12A059/008	08 50 59	BB3	22.5	32 5	-20	.04	1	4	11A144/025	15.30 27	BB2	155.0	210.0	-30	.04	1	4
11A060/008	10 49 52	BB2	210 0	217 5	10	.04	1	4	12A152/026	14 56.24	BB2	132 5	192 5	-30	.04	1	4
11A065/008	14:19 59	BB2	207 5	217 5	-30	.04	1	4	12A153/026	15:27 20	BB4	132.5	192 5	-10	.04	1	4
11A066/008	14 23 59	BB4	260.0	275 0	0	.04	1	4	11A154/027	07 20 00	BB4	30 0	100.0	0	.04	1	4
11A067/008	15 35 42	BB2	225 0	305 0	-30	.04	1	4	12A155/027	07:30.00	BB4	217 5	227.5	0	.04	1	4
12A069/009	10 59 59	BB1	295.0	305 0	-30	.04	1	5	11A156/027	07:34.00	BB4	195.0	290 0	0	.04	1	4
11A069/009	15:32 54	BB2	145.0	225 0	-30	.04	1	4	11A157/027	07:50 00	BB4	290.0	310 0	0	.04	1	4
12A070/010	10 10 27	BB1	110 0	117 5	-40	.04	1	4	11A158/027	08.00:00	BB4	310 0	327 5	0	.04	1	4
11A077/011	15 26 46	BB4	180 0	260 0	-10	.04	1	4	11A159/027	09 34:27	BB3	155 0	165 0	-10	.04	1	3
11A078/012	08 24 59	BB2	150 0	250 0	-30	.04	1	4	12A164/027	14 52.59	BB4	175.0	235.0	-10	.04	1	4
11A079/012	08.34 59	BB1	182 5	235 0	-50	.04	1	4	12A165/027	15.23 54	BB4	220 0	280.0	0	.04	1	4
12A080/012	10 00 27	BB3	22 5	30.0	-20	.04	1	4	11A173/028	14 49.34	BB4	10 0	60 0	0	.04	1	4
12A081/012	15 36 22	BB1	60 0	160 0	-50	.04	1	4	11A174/028	15 20.23	BB4	55 0	105 0	0	.04	1	4
11A097/014	07 30 00	BB3	132.5	252.5	-10	.04	1	4	12A183/029	05:39 40	BB4	75.0	100 0	0	.04	1	3
11A098/014	10.10 27	BB2	212.5	220.0	-30	.04	1	4	12A185/029	06:09 40	BB4	75.0	100.0	0	.04	1	3
11A100/015	07 30 00	BB1	260.0	262 5	-50	.04	1	3	12A187/029	06 24:40	BB4	75 0	100.0	0	.04	1	3
12A101/015	13 40 00	BB1	285 0	290.0	-20	.04	1	4	12A188/029	06:51:40	BB4	75 0	100 0	0	.04	1	3
12A102/015	13 43 00	BB1	80.0	100 0	-40	.04	1	4	11A202/029	10:30.06	BB1	237.5	245 0	-50	.04	1	4
12A103/016	07 29 59	BB1	112.5	160 0	-50	.04	1	3	12A211/029	14.45 47	BB4	120.0	180 0	0	.04	1	4
12A104/016	09:00 27	BB1	110.0	117 5	-40	.04	1	4	12A212/029	15.16 42	BB4	85.0	145.0	0	.04	1	4
12A107/018	07 30 00	BB3	155.0	207 5	-10	.04	1	4	12A235/029	17 45.40	BB4	140 0	290.0	0	.04	1	3
12A108/018	07 40 00	BB2	142 5	167.5	-30	.04	1	4	12A236/030	10:00 07	BB1	125 0	132 5	-50	.04	1	4
12A109/018	12:10 27	BB1	295.0	302 5	-30	.04	1	5	12A237/030	14:41 02	BB4	157.5	217.5	0	.04	1	4
12A110/019	07.12 00	BB3	265.0	310 0	-10	.04	1	4	12A238/030	15 11:57	BB2	172 5	232.5	-20	.04	1	4
11A111/019	07 20 00	BB3	40.0	60.0	-10	.04	1	4	12A241/031	08:30.27	BB1	125.0	132.5	-50	.04	1	4
12A112/019	07 59 00	BB4	15.0	90.0	0	.04	1	4	12A242/031	13:39.59	BB1	285.0	290.0	-20	.04	1	3

VL-1 High-Resolution Camera Events in Event Order

**VL-1 HIGH-RESOLUTION CAMERA EVENTS SORTED
BY TIME OF DAY**

VL-1

HIGH-RESOLUTION CAMERA EVENTS SORTED BY TIME OF DAY

VL-1 High-Resolution Camera Events Sorted by Time of Day

CCLABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN	GELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
<p>HOOR 05</p>									11B076/040	07:39:59	BB2	220.0	240.0	-30	.04	1	2
12A183/029	05 39 40	BB4	75.0	100.0	0	.04	1	3	12A109/018	07 40:30	BB2	140.5	167.5	-30	.04	1	4
11A142/025	05 44 59	BB4	292.5	335.0	-10	.04	1	3	12B063/038	07 47:00	BB4	265.0	335.0	0	.04	1	4
<p>HOOR 06</p>									12A003/001	07 47:59	BB2	80.0	140.0	-30	.04	1	4
12A185/029	06 09 40	BB4	75.0	100.0	0	.04	1	3	12B055/036	07 47:59	BB2	140.0	142.5	-30	.04	1	4
12A187/029	06 24 40	BB4	75.0	100.0	0	.04	1	3	12B056/036	07 49:59	BB3	167.5	192.5	-20	.04	1	4
11B179/090	06 29 29	BB3	300.0	327.5	-10	.04	1	3	11A157/027	07 50:00	BB4	290.0	310.0	0	.04	1	4
11B154/070	06 29 40	BB3	300.0	335.0	-10	.04	1	3	12A116/020	07 53:59	BB4	90.0	217.5	0	.04	1	4
11B129/050	06 30 00	BB3	300.0	335.0	-10	.04	1	3	12A112/019	07:59 00	BB4	15.0	90.0	0	.04	1	4
11A055/008	06 47 59	BB2	207.5	217.5	-30	.04	1	4	<p>HOOR 08</p>								
12A056/008	06 49 59	BB3	22.5	32.5	-20	.04	1	4	11A158/027	08 00:00	BB4	310.0	327.5	0	.04	1	4
12A186/029	06 51 40	BB4	75.0	100.0	0	.04	1	3	11B064/038	08 00:00	BB4	325.0	335.0	0	.04	1	4
11B149/065	06 57 39	BB3	155.0	185.0	-10	.04	1	4	11B068/039	08 06:27	BB4	240.0	250.0	-10	.04	1	4
11B124/045	06 57 59	BB3	155.0	185.0	-10	.04	1	4	12A125/021	08 09:59	BB4	227.5	290.0	0	.04	1	4
11B174/085	06 57 59	BB3	167.5	187.5	-10	.04	1	4	11A129/022	08 10:00	BB4	100.0	195.0	0	.04	1	4
12B153/069	06 58 39	BB3	10.0	40.0	-10	.04	1	3	12A031/005	08 10:27	BB1	125.0	132.5	-50	.04	1	4
12B128/049	06 58 59	BB3	10.0	40.0	-10	.04	1	3	12B100/041	08 12:26	BB2	107.5	117.5	-30	.04	1	4
12B178/089	06 58 59	BB3	20.0	37.5	-10	.04	1	3	11A078/012	08 24:59	BB2	150.0	250.0	-30	.04	1	4
11B155/071	06 59 10	BB3	185.0	215.0	-10	.04	1	3	12B077/040	08 30:26	BB2	107.5	117.5	-30	.04	1	4
11B130/051	06 59 29	BB3	185.0	215.0	-10	.04	1	3	12A241/031	08 30:27	BB1	125.0	132.5	-50	.04	1	4
11B194/100	06 59 29	BB3	187.5	215.0	-10	.04	1	3	11A079/012	08 34:59	BB1	182.5	235.0	-50	.04	1	4
<p>HOOR 07</p>									11A058/008	08 48:59	BB2	207.5	217.5	-30	.04	1	4
11A022/004	07 11 59	BB1	235.0	277.5	-50	.04	1	4	12A059/008	08 50:59	BB3	22.5	32.5	-20	.04	1	4
11A048/007	07 12 00	BB2	240.0	270.0	-30	.04	1	4	<p>HOOR 09</p>								
12A110/019	07 12 00	BB3	265.0	310.0	-10	.04	1	4	12A104/016	09 00:27	BB1	110.0	117.5	-40	.04	1	4
12A010/002	07 18 00	BB4	65.0	155.0	-10	.04	1	4	12B057/036	09 00:27	BB1	132.5	135.0	-50	.04	1	4
11B051/036	07 19 59	BB4	10.0	30.0	0	.04	1	4	11B180/091	09 04:59	BB2	210.0	230.0	-30	.04	1	4
11A111/019	07 20 00	BB3	40.0	60.0	-10	.04	1	4	12A135/023	09 10:00	BB4	177.5	200.0	0	.04	1	4
11A154/027	07 20 00	BB4	30.0	100.0	0	.04	1	4	12A016/003	09 10:27	BB1	125.0	132.5	-50	.04	1	4
11A023/004	07 23 59	BB2	270.0	305.0	-30	.04	1	4	11A138/024	09 19:59	BB1	182.5	230.0	-50	.04	1	4
12A039/006	07 24 27	BB1	125.0	132.5	-50	.04	1	4	12B065/038	09 30:27	BB1	132.5	135.0	-50	.04	1	4
11B052/036	07 24 59	BB3	252.5	335.0	-20	.04	1	4	11A159/027	09 34:27	BB3	155.0	165.0	-10	.04	1	3
12B060/037	07 24 59	BB1	52.5	77.5	-50	.04	1	4	12A139/024	09 36:27	BB3	105.0	115.0	-30	.04	1	4
11A025/004	07 29 59	BB1	35.0	40.0	-20	.04	1	4	<p>HOOR 10</p>								
12A103/016	07 29 59	BB1	112.5	160.0	-50	.04	1	3	12A236/030	10 00:07	BB1	125.0	132.5	-50	.04	1	4
12A124/021	07 29 59	BB1	77.5	117.5	-50	.04	1	3	12A080/012	10 00:27	BB3	22.5	30.0	-20	.04	1	4
11A097/014	07 30 00	BB3	132.5	252.5	-10	.04	1	4	12A126/021	10 00:27	BB1	295.0	302.5	-30	.04	1	5
11A100/015	07 30 00	BB1	260.0	262.5	-50	.04	1	3	12A070/010	10 10:27	BB1	110.0	117.5	-40	.04	1	4
12A107/018	07 30 00	BB3	155.0	207.5	-10	.04	1	4	11A098/014	10 10:27	BB2	212.5	220.0	-30	.04	1	4
12A155/027	07 30 00	BB4	217.5	227.5	0	.04	1	4	11A130/022	10 10:27	BB3	295.0	305.0	-20	.04	1	4
11A156/027	07 34 00	BB4	195.0	290.0	0	.04	1	4	12A013/002	10 29:50	BB1	117.5	155.0	-50	.04	1	4
11B053/036	07 34 59	BB1	307.5	335.0	-40	.04	1	4	11A202/029	10 30:06	BB1	237.5	245.0	-50	.04	1	4
12B054/036	07 39 59	BB3	15.0	80.0	-20	.04	1	4									

HIGH-RESOLUTION CAMERA EVENTS SORTED BY TIME OF DAY

CELLABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN	CELLABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
11B019/034	10:42:52	BB2	290 0	300 0	-30	04	1	4	12B016/033	14:27:15	BB3	260 0	320 0	-10	04	1	4
11A032/005	10:46:41	BB1	277.5	302.5	0	04	1	5	11A017/003	14:28:00	BB3	272 5	300 0	-20	04	1	4
11A060/008	10:49:52	BB2	210.0	217.5	10	04	1	4	11B151/066	14:28:40	BB3	155 0	185 0	-10	04	1	4
12A068/009	10:59:59	BB1	295.0	305.0	-30	04	1	5	11B126/046	14:28:59	BB3	155 0	185 0	-10	04	1	4
HOOR 11									11B176/086	14:28:59	BB3	167.5	187 5	-10	04	1	4
11B078/040	11:06:44	BB1	282.5	290 0	-30	04	1	3	11B073/039	14:31:41	BB3	30.0	90 0	-10	04	1	4
11A253/032	11:28:27	BB1	205.0	207.5	-40	04	1	4	12A255/032	14:31:43	BB4	290 0	335 0	0	04	1	4
11B117/042	11:30:27	BB3	297.5	307.5	-20	04	1	4	11B067/038	14:37:00	BB1	260 0	320 0	-40	04	1	4
11B020/034	11:42:52	BB2	290.0	300.0	-30	04	1	4	11A250/031	14:38:28	BB4	100 0	160 0	0	04	1	4
HOOR 12									12A237/030	14:41:02	BB4	157.5	217 5	0	04	1	4
12A109/018	12:10:27	BB1	295 0	302.5	-30	04	1	5	11B059/036	14:45:37	BB1	220.0	280 0	-50	04	1	4
11B167/077	12:12:39	BB3	300.0	335.0	-10	04	1	3	12A211/029	14:45:47	BB4	120 0	180 0	0	04	1	4
11B142/057	12:12:59	BB3	300.0	335.0	-10	04	1	3	11A173/028	14:49:34	BB4	10 0	60 0	0	04	1	4
11B192/097	12:12:59	BB3	300.0	327.5	-10	04	1	3	11A118/020	14:49:59	BB1	217.5	227.5	0	04	1	5
12A043/006	12:30:00	BB1	305 0	310.0	-20	04	1	4	11B050/035	14:51:08	BB1	167 5	227 5	-50	04	1	4
11B162/072	12:30:39	BB3	155.0	185.0	-10	04	1	4	12A164/027	14:52:59	BB4	175.0	235.0	-10	04	1	4
11B137/052	12:30:59	BB3	155.0	185.0	-10	04	1	4	11B037/034	14:55:57	BB4	247 5	307 5	0	04	1	4
11B187/092	12:30:59	BB3	167.5	187.5	-10	04	1	4	12A152/026	14:56:24	BB2	132.5	192.5	-30	04	1	4
11B093/040	12:42:09	BB2	280.0	285.0	-20	04	1	3	11A143/025	14:59:39	BB4	155 0	202 5	-10	04	1	4
12B030/034	12:55:00	BB2	102.5	112 5	-30	04	1	4	12A036/005	14:59:59	BB1	197 5	212 5	-10	04	1	5
HOOR 13									HOOR 15								
12A014/002	13:06:00	BB1	295.0	305.0	-30	04	1	4	12B017/033	15:03:00	BB1	142.5	202.5	-50	04	1	4
11A131/022	13:22:00	BB3	150.0	192.5	-10	04	1	4	12A140/024	15:04:26	BB2	5 0	145 0	-30	04	1	4
12A242/031	13:39:59	BB1	285.0	290.0	-20	04	1	3	12A136/023	15:07:17	BB1	30 0	162 5	-50	04	1	4
12A101/015	13:40:00	BB1	285.0	290.0	-20	04	1	4	12B000/032	15:07:29	BB4	250 0	310 0	0	04	1	4
12A102/015	13:43:00	BB1	80.0	100.0	-40	04	1	4	11B169/079	15:08:40	BB2	207 5	242 5	-30	04	1	4
12A243/031	13:49:59	BB2	102.5	112.5	-30	04	1	4	11B144/059	15:08:59	BB2	207.5	242.5	-30	04	1	4
11A254/032	13:54:59	BB4	150.0	190.0	-10	04	1	4	11A251/031	15:09:23	BB4	127 5	187 5	-10	04	1	4
HOOR 14									11A132/022	15:09:59	BB1	195.0	327.5	-50	04	1	4
12B163/073	14:01:39	BB2	85.0	120 0	-30	04	1	4	12A238/030	15:11:57	BB2	172 5	232 5	-20	04	1	4
11B165/075	14:01:40	BB2	270.0	305.0	-30	04	1	4	11A127/021	15:12:30	BB3	202 5	335 0	-10	04	1	4
12B188/093	14:01:58	BB2	92.5	120.0	-30	04	1	4	12A119/020	15:14:51	BB3	5 0	137 5	-10	04	1	4
12B138/053	14:01:59	BB2	85.0	120.0	-30	04	1	4	12A212/029	15:16:42	BB4	85 0	145 0	0	04	1	4
11B140/055	14:01:59	BB2	270.0	305.0	-30	04	1	4	11A114/019	15:17:02	BB2	190.0	322.5	-30	04	1	4
11B190/095	14:01:59	BB2	277.5	305.0	-30	04	1	4	11A174/028	15:20:23	BB4	55.0	105 0	0	04	1	4
11B058/036	14:14:41	BB2	180.0	230.0	-30	04	1	4	12A165/027	15:23:54	BB4	220.0	280 0	0	04	1	4
11A065/008	14:19:59	BB2	207.5	217.5	-30	04	1	4	11A077/011	15:26:46	BB4	180 0	260 0	-10	04	1	4
11A066/008	14:23:59	BB4	260.0	275.0	0	04	1	4	12A153/026	15:27:20	BB4	132 5	192 5	-10	04	1	4
11B036/034	14:25:02	BB4	287.5	335.0	0	04	1	4	11A144/025	15:30:27	BB2	155.0	210 0	-30	04	1	4
									11A069/009	15:32:54	BB2	145 0	225 0	-30	04	1	4
									11A067/008	15:35:42	BB2	225.0	305.0	-30	04	1	4
									12A081/012	15:36:22	BB1	60.0	160 0	-50	04	1	4
									11A141/024	15:36:24	BB2	320 0	335 0	-30	04	1	4
									11A051/007	15:38:25	BB1	200 0	260 0	-50	04	1	4
									11A137/023	15:39:16	BB1	247 5	260 0	-50	04	1	4
									11A133/022	15:41:58	BB1	237.5	250 0	-50	04	1	4
									11A037/005	15:43:10	BB2	182.5	242 5	-30	04	1	4
									11A128/021	15:44:28	BB1	182.5	195 0	-50	04	1	4

VL-1

HIGH-RESOLUTION CAMERA EVENTS SORTED BY TIME OF DAY

CCLABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
11A030/004	15.45 16	BB3	260.0	340.0	-10	04	1	4
11A120/020	15.46.49	BB1	182.5	195.0	-50	.04	1	4
11A115/019	15.49 01	BB1	182.5	195.0	-50	04	1	4
12A009/001	15.50.28	BB1	80.0	160.0	-50	04	1	4
12B103/041	15.58.44	BB3	290.0	295.0	-20	.04	1	3
HOUR 16								
12B104/041	16.01.09	BB3	290.0	295.0	-20	04	1	3
12B106/041	16.05.09	BB3	290.0	295.0	-20	.04	1	3
12A001/000	16.13.21	BB1	102.5	160.0	-50	04	1	4
12A252/031	16.59.59	BB1	25.0	30.0	-20	.04	1	3
HOUR 17								
12B108/041	17.14 59	BB4	90.0	105.0	0	04	1	3
12B096/040	17.16 59	BB3	12.5	102.5	-10	.04	1	3
12B110/041	17.21:59	BB2	77.5	115.0	-30	04	1	3
11B097/040	17.25.59	BB3	130.0	230.0	-10	.04	1	3
11B164/074	17.27 40	BB3	155.0	185.0	-10	04	1	4
12B111/041	17:27.59	BB3	115.0	202.5	-20	.04	1	3
11B139/054	17.27.59	BB3	155.0	185.0	-10	.04	1	4
11B189/094	17.27:59	BB3	167.5	187.5	-10	.04	1	4
11B120/042	17.30.00	BB3	230.0	330.0	-10	04	1	3
11B173/083	17.33 21	BB3	300.0	335.0	-10	04	1	3
11B148/063	17.33.40	BB3	300.0	335.0	-10	.04	1	3
11B123/043	17.34.00	BB3	300.0	335.0	-10	.04	1	3
11B098/040	17.36 59	BB4	90.0	155.0	0	.04	1	3
12B112/041	17.37.59	BB3	267.5	310.0	-10	.04	1	3
11A052/007	17.41 59	BB2	207.5	217.5	-30	.04	1	4
11B099/040	17:43:59	BB3	35.0	65.0	-10	.04	1	3
12A054/007	17.44 59	BB3	22.5	32.5	-20	.04	1	4
12A235/029	17.45 40	BB4	140.0	290.0	0	.04	1	3

**VL-1 HIGH-RESOLUTION CAMERA EVENTS SORTED
BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF DAY**

VL-1
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

00-10 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
CAMERA 1														
11B051/036	07 19 59	0	10.0	30.0	BB4	4	1	74.2	23.8	13	-21	251.4	271.4	255
11A154/027	07 20 00	0	30.0	100.0	BB4	4	1	73.4	24.6	13	-22	271.4	341.4	255
11A129/022	08 10 00	0	100.0	195.0	BB4	4	1	76.0	35.4	16	-32	341.4	76.4	258
11A156/027	07 34 00	0	195.0	290.0	BB4	4	1	74.3	27.6	14	-25	76.4	171.4	256
11A157/027	07 50 00	0	290.0	310.0	BB4	4	1	75.2	31.0	15	-28	171.4	191.4	257
11A158/027	08 00 00	0	310.0	327.5	BB4	4	1	75.8	33.2	16	-30	191.4	208.9	258
11B064/038	08 00 00	0	325.0	335.0	BB4	4	1	76.9	32.5	16	-29	206.4	216.4	258
11A111/019	07 20 00	-10	40.0	60.0	BB3	4	1	72.7	24.6	12	-22	281.4	301.4	254
11A097/014	07 30 00	-10	132.5	252.5	BB3	4	1	73.0	26.6	13	-24	13.9	133.9	255
11A159/027	09 34 27	-10	155.0	165.0	BB3	3	1	80.7	53.9	21	-51	36.4	46.4	263
11B124/045	06 57 59	-10	155.0	185.0	BB3	4	1	73.6	19.1	12	-16	36.4	66.4	254
11B149/065	06 57 39	-10	155.0	185.0	BB3	4	1	76.2	19.0	15	-16	36.4	66.4	257
11B174/085	06 57 59	-10	167.5	187.5	BB3	4	1	79.4	18.8	18	-16	48.9	68.9	260
11B130/051	06 59 29	-10	185.0	215.0	BB3	3	1	74.4	19.4	13	-16	66.4	96.4	255
11B157/071	06 59 10	-10	185.0	215.0	BB3	3	1	77.2	19.2	16	-16	66.4	96.4	258
11B194/100	06 59 29	-10	187.5	215.0	BB3	3	1	82.3	18.8	21	-16	68.9	96.4	263
11B068/039	08 06 27	-10	240.0	250.0	BB4	4	1	77.4	34.0	16	-31	121.4	131.4	258
11A142/025	05 44 59	-10	292.5	335.0	BB4	3	1	66.0	4.6	5	-2	173.9	216.4	247
11B129/050	06 30 00	-10	300.0	335.0	BB3	3	1	72.1	13.1	11	-10	181.4	216.4	253
11B154/070	06 29 40	-10	300.0	335.0	BB3	3	1	74.8	12.8	13	-10	181.4	216.4	255
11B179/090	06 29 29	-10	300.0	327.5	BB3	3	1	78.0	12.4	16	-9	181.4	208.9	258
11A025/004	07 29 59	-20	35.0	40.0	BB1	4	1	72.5	26.3	12	-26	276.4	281.4	254
11B052/036	07 24 59	-20	252.5	335.0	BB3	4	1	74.5	24.9	13	-22	133.9	216.4	255
11A078/012	08 24 59	-30	150.0	250.0	BB2	4	1	76.0	38.4	16	-35	31.4	131.4	258
11A055/008	06 47 59	-30	207.5	217.5	BB2	4	1	69.9	17.5	9	-15	88.9	98.9	251
11A058/008	08 48 59	-30	207.5	217.5	BB2	4	1	77.0	43.5	17	-40	88.9	98.9	259
11B180/091	09 04 59	-30	210.0	230.0	BB2	4	1	91.1	47.2	30	-44	91.4	111.4	272
11B076/040	07 39 59	-30	220.0	240.0	BB2	2	1	75.9	28.2	15	-25	101.4	121.4	257
11A048/007	07 12 00	-30	240.0	270.0	BB2	4	1	71.5	22.5	11	-20	121.4	151.4	253
11A023/004	07 23 59	-30	270.0	305.0	BB2	4	1	72.1	25.0	12	-25	151.4	186.4	254
11B053/036	07 34 59	-40	307.5	335.0	BB1	4	1	75.1	27.1	14	-24	188.9	216.4	256
11A079/012	08 34 59	-50	182.5	235.0	BB1	4	1	76.5	40.6	17	-38	63.9	116.4	259
11A138/024	09 19 59	-50	182.5	230.0	BB1	4	1	79.7	50.7	20	-48	63.9	111.4	262
11A022/004	07 11 59	-50	235.0	277.5	BB1	4	1	71.4	22.5	11	-22	116.4	158.9	253
11A100/015	07 30 00	-50	260.0	262.5	BB1	3	1	73.1	26.7	13	-24	141.4	143.9	255
CAMERA 2														
12A112/019	07 59 00	0	15.0	90.0	BB4	4	1	75.1	33.0	198	-30	72.4	147.4	255
12A183/029	05 39 40	0	75.0	100.0	BB4	3	1	66.0	2.5	188	-0	132.4	157.4	245
12A185/029	06 09 40	0	75.0	100.0	BB4	3	1	68.5	8.8	191	-6	132.4	157.4	248

VL-1 High-Resolution Camera Events Sorted by Elevation and Start Azimuth for Segments of Day

VL-1
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

00-10 HOURS LLT

CELLABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
12A187/029	06 24.40	0	75.0	100 0	BB4	3	1	69.7	11.9	192	-9	132.4	157.4	249
12A188/029	06 51.40	0	75.0	100 0	BB4	3	1	71.6	17.7	194	-15	132.4	157.4	251
12A116/020	07 53.59	0	90 0	217 5	BB4	4	1	74.9	31.9	198	-29	147.4	274.9	255
12A135/023	09 10.00	0	177 5	200 0	BB4	4	1	79.1	48.5	203	-45	234.9	257.4	260
12A155/027	07 30:00	0	217.5	227.5	BB4	4	1	74.0	26.7	197	-24	274.9	284.9	254
12A125/021	08 09.59	0	227.5	290 0	BB4	4	1	75.9	35.4	199	-32	284.9	347.4	256
12B063/038	07 47 00	0	285.0	335.0	BB4	4	1	76.1	29.7	199	-27	342.4	32.4	256
12B128/049	06 58 59	-10	10.0	40.0	BB3	3	1	74.2	19.3	197	-16	67.4	97.4	254
12B153/069	06 58 39	-10	10.0	40.0	BB3	3	1	76.8	19.2	199	-16	67.4	97.4	256
12B178/089	06 58 59	-10	20 0	37 5	BB3	3	1	80.2	19.0	203	-16	77.4	94.9	260
12A010/002	07 18 00	-10	65 0	155 0	BB4	4	1	71.7	23.7	195	-23	122.4	212.4	252
12A107/018	07 30:00	-10	155 0	207 5	BB3	4	1	74.8	26.7	196	-24	212.4	264.9	253
12A110/019	07 12 00	-10	265 0	310 0	BB3	4	1	72.2	22.9	195	-20	322.4	7.4	252
12B054/036	07 39 59	-20	15 0	80.0	BB3	4	1	75.4	28.1	198	-25	72.4	137.4	255
12A056/008	06 49 59	-20	22.5	32 5	BB3	4	1	70.1	17.9	193	-15	79.9	89.9	250
12A059/008	08 50 59	-20	22 5	32 5	BB3	4	1	77.1	43.9	201	-41	79.9	89.9	258
12B056/036	07 49 59	-20	167.5	192.5	BB3	4	1	76.0	30.3	199	-27	224.9	249.9	256
12A003/001	07 47 59	-30	80.0	140.0	BB2	4	1	73.2	30.0	197	-30	137.4	197.4	254
12A139/024	09 36 27	-30	105.0	115.0	BB3	4	1	80.5	54.4	204	-51	162.4	172.4	261
12B077/040	08 30 26	-30	107.5	117 5	BB2	4	1	78.9	39.3	202	-36	164.9	174.9	259
12B100/041	08 12 26	-30	107 5	117 5	BB2	4	1	77.9	35.3	201	-32	164.9	174.9	258
12B055/036	07 47 59	-30	140.0	142.5	BB2	4	1	75.9	29.9	199	-27	197.4	199.9	256
12A108/018	07 40 00	-30	142.5	167 5	BB2	4	1	73.9	28.9	197	-26	199.9	224.9	254
12A104/016	09 00 27	-40	110.0	117.5	BB1	4	1	78.1	46.3	202	-43	167.4	174.9	259
12B060/037	07 24 59	-50	52 5	77 5	BB1	4	1	74.6	24.9	197	-22	109.9	134.9	254
12A124/021	07 29 59	-50	77.5	117.5	BB1	3	1	73.5	26.7	197	-24	134.9	174.9	254
12A103/016	07 29 59	-50	112.5	160.0	BB1	3	1	73.2	26.7	196	-23	169.9	217.4	253
12A016/003	09 10 27	-50	125.0	132 5	BB1	4	1	77.6	48.1	201	-48	162.4	189.9	258
12A031/005	08 10 27	-50	125.0	132.5	BB1	4	1	75.1	36.1	198	-32	162.4	189.9	255
12A039/006	07 24 27	-50	125.0	132.5	BB1	4	1	72.2	25.2	195	-22	162.4	189.9	252
12A241/031	08 30 27	-50	125.0	132.5	BB1	4	1	77.8	39.1	201	-36	162.4	189.9	258
12B057/036	09 00 27	-50	132.5	135.0	BB1	4	1	80.0	45.9	203	-43	189.9	192.4	260
12B065/038	09 30 27	-50	132.5	135.0	BB1	4	1	81.8	52.6	205	-49	189.9	192.4	262

VL-1
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

00-10 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
CAMERA 1														
11B051/036	07:19:59	0	10.0	30.0	BB4	4	1	74.2	23.8	13	-21	251.4	271.4	255
11A154/027	07:20:00	0	30.0	100.0	BB4	4	1	73.4	24.6	13	-22	271.4	341.4	255
11A129/022	08:10:00	0	100.0	195.0	BB4	4	1	76.0	35.4	16	-32	341.4	76.4	258
11A156/027	07:34:00	0	195.0	290.0	BB4	4	1	74.3	27.6	14	-25	76.4	171.4	256
11A157/027	07:50:00	0	290.0	310.0	BB4	4	1	75.2	31.0	15	-28	171.4	191.4	257
11A158/027	08:00:00	0	310.0	327.5	BB4	4	1	75.8	33.2	16	-30	191.4	208.9	258
11B064/038	08:00:00	0	325.0	335.0	BB4	4	1	76.9	32.5	16	-29	206.4	216.4	258
11A111/019	07:20:00	-10	40.0	60.0	BB3	4	1	72.7	24.6	12	-22	281.4	301.4	254
11A097/014	07:30:00	-10	132.5	252.5	BB3	4	1	73.0	26.6	13	-24	13.9	133.9	255
11A159/027	09:34:27	-10	155.0	165.0	BB3	3	1	80.7	53.9	21	-51	36.4	46.4	263
11B124/045	06:57:59	-10	155.0	185.0	BB3	4	1	73.6	19.1	12	-16	36.4	66.4	254
11B149/065	06:57:39	-10	155.0	185.0	BB3	4	1	76.2	19.0	15	-16	36.4	66.4	257
11B174/085	06:57:59	-10	167.5	187.5	BB3	4	1	79.4	18.8	18	-16	48.9	68.9	260
11B130/051	06:59:29	-10	185.0	215.0	BB3	3	1	74.4	19.4	13	-16	66.4	96.4	255
11B157/071	06:59:10	-10	185.0	215.0	BB3	3	1	77.2	19.2	16	-16	66.4	96.4	258
11B194/100	06:59:29	-10	187.5	215.0	BB3	3	1	82.3	18.8	21	-16	68.9	96.4	263
11B068/039	08:06:27	-10	240.0	250.0	BB4	4	1	77.4	34.0	16	-31	121.4	131.4	258
11A142/025	05:44:59	-10	292.5	335.0	BB4	3	1	66.0	4.6	5	-2	173.9	216.4	247
11B129/050	06:30:00	-10	300.0	335.0	BB3	3	1	72.1	13.1	11	-10	181.4	216.4	253
11B154/070	06:29:40	-10	300.0	335.0	BB3	3	1	74.8	12.8	13	-10	181.4	216.4	255
11B179/090	06:29:29	-10	300.0	327.5	BB3	3	1	78.0	12.4	16	-9	181.4	208.9	258
11A025/004	07:29:59	-20	35.0	40.0	BB1	4	1	72.5	26.3	12	-26	276.4	281.4	254
11B052/036	07:24:59	-20	252.5	335.0	BB3	4	1	74.5	24.9	13	-22	133.9	216.4	255
11A078/012	08:24:59	-30	150.0	250.0	BB2	4	1	76.0	38.4	16	-35	31.4	131.4	258
11A055/008	06:47:59	-30	207.5	217.5	BB2	4	1	69.9	17.5	9	-15	88.9	98.9	251
11A058/008	08:48:59	-30	207.5	217.5	BB2	4	1	77.0	43.5	17	-40	88.9	98.9	259
11B180/091	09:04:59	-30	210.0	230.0	BB2	4	1	91.1	47.2	30	-44	91.4	111.4	272
11B076/040	07:39:59	-30	220.0	240.0	BB2	2	1	75.9	28.2	15	-25	101.4	121.4	257
11A048/007	07:12:00	-30	240.0	270.0	BB2	4	1	71.5	22.5	11	-20	121.4	151.4	253
11A023/004	07:23:59	-30	270.0	305.0	BB2	4	1	72.1	25.0	12	-25	151.4	186.4	254
11B053/036	07:34:59	-40	307.5	335.0	BB1	4	1	75.1	27.1	14	-24	188.9	216.4	256
11A079/012	08:34:59	-50	182.5	235.0	BB1	4	1	76.5	40.6	17	-38	63.9	116.4	259
11A138/024	09:19:59	-50	182.5	230.0	BB1	4	1	79.7	50.7	20	-48	63.9	111.4	262
11A022/004	07:11:59	-50	235.0	277.5	BB1	4	1	71.4	22.5	11	-22	116.4	158.9	253
11A100/015	07:30:00	-50	260.0	262.5	BB1	3	1	73.1	26.7	13	-24	141.4	143.9	255
CAMERA 2														
12A112/019	07:59:00	0	15.0	90.0	BB4	4	1	75.1	33.0	198	-30	72.4	147.4	255
12A183/029	05:39:40	0	75.0	100.0	BB4	3	1	66.0	2.5	188	-0	132.4	157.4	245
12A185/029	06:09:40	0	75.0	100.0	BB4	3	1	68.5	8.8	191	-6	132.4	157.4	248

VL-1 High-Resolution Camera Events Sorted by Elevation and Start Azimuth for Segments of Day

?

VL-1

HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

00-10 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
12A187/029	06 24.40	0	75.0	100.0	BB4	3	1	69.7	11.9	192	-9	132.4	157.4	249
12A188/029	06 51.40	0	75.0	100.0	BB4	3	1	71.6	17.7	194	-15	132.4	157.4	251
12A116/020	07 53.59	0	90.0	217.5	BB4	4	1	74.9	31.9	198	-29	147.4	274.9	255
12A135/023	09.10.00	0	177.5	200.0	BB4	4	1	79.1	48.5	203	-45	234.9	257.4	260
12A155/027	07.30.00	0	217.5	227.5	BB4	4	1	74.0	26.7	197	-24	274.9	284.9	254
12A125/021	08:09:59	0	227.5	290.0	BB4	4	1	75.9	35.4	199	-32	284.9	347.4	256
12B063/038	07 47.00	0	265.0	335.0	BB4	4	1	76.1	29.7	199	-27	342.4	32.4	256
12B128/049	06.58.59	-10	10.0	40.0	BB3	3	1	74.2	19.3	197	-16	67.4	97.4	254
12B153/069	06 58.39	-10	10.0	40.0	BB3	3	1	76.8	19.2	199	-16	67.4	97.4	256
12B178/089	06.58.59	-10	20.0	37.5	BB3	3	1	80.2	19.0	203	-16	77.4	94.9	260
12A010/002	07:18:00	-10	65.0	155.0	BB4	4	1	71.7	23.7	195	-23	122.4	212.4	252
12A107/018	07.30:00	-10	155.0	207.5	BB3	4	1	74.8	26.7	196	-24	212.4	264.9	253
12A110/019	07.12.00	-10	265.0	310.0	BB3	4	1	72.2	22.9	195	-20	322.4	7.4	252
12B054/036	07 39.59	-20	15.0	80.0	BB3	4	1	75.4	28.1	198	-25	72.4	137.4	255
12A056/008	06 49.59	-20	22.5	32.5	BB3	4	1	70.1	17.9	193	-15	79.9	89.9	250
12A059/008	08.50.59	-20	22.5	32.5	BB3	4	1	77.1	43.9	201	-41	79.9	89.9	258
12B056/036	07.49.59	-20	167.5	192.5	BB3	4	1	76.0	30.3	199	-27	224.9	249.9	256
12A003/001	07.47.59	-30	80.0	140.0	BB2	4	1	73.2	30.0	197	-30	137.4	197.4	254
12A139/024	09 36.27	-30	105.0	115.0	BB3	4	1	80.5	54.4	204	-51	162.4	172.4	261
12B077/040	08.30.26	-30	107.5	117.5	BB2	4	1	78.9	39.3	202	-36	164.9	174.9	259
12B100/041	08.12.26	-30	107.5	117.5	BB2	4	1	77.9	35.3	201	-32	164.9	174.9	258
12B055/036	07.47.59	-30	140.0	142.5	BB2	4	1	75.9	29.9	199	-27	197.4	199.9	256
12A108/018	07:40:00	-30	142.5	167.5	BB2	4	1	73.9	28.9	197	-26	199.9	224.9	254
12A104/016	09 00.27	-40	110.0	117.5	BB1	4	1	78.1	46.3	202	-43	167.4	174.9	259
12B060/037	07:24:59	-50	52.5	77.5	BB1	4	1	74.6	24.9	197	-22	109.9	134.9	254
12A124/021	07:29:59	-50	77.5	117.5	BB1	3	1	73.5	26.7	197	-24	134.9	174.9	254
12A103/016	07.29.59	-50	112.5	160.0	BB1	3	1	73.2	26.7	196	-23	169.9	217.4	253
12A016/003	09:10:27	-50	125.0	132.5	BB1	4	1	77.6	48.1	201	-48	182.4	189.9	258
12A031/005	08.10.27	-50	125.0	132.5	BB1	4	1	75.1	36.1	198	-32	182.4	189.9	255
12A039/006	07.24.27	-50	125.0	132.5	BB1	4	1	72.2	25.2	195	-22	182.4	189.9	252
12A241/031	08.30.27	-50	125.0	132.5	BB1	4	1	77.8	39.1	201	-36	182.4	189.9	258
12B057/036	09:00:27	-50	132.5	135.0	BB1	4	1	80.0	45.9	203	-43	189.9	192.4	260
12B065/038	09:30:27	-50	132.5	135.0	BB1	4	1	81.8	52.6	205	-49	189.9	192.4	262

VL-1
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

10-14 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
CAMERA 1														
11A032/005	10:46:41	0	277.5	302.5	BB1	5	1	80 0	69.3	22	-66	158.9	183.9	264
11A060/008	10:49:52	-10	210.0	217.5	BB2	4	1	80 3	70 1	22	-67	91.4	98 9	264
11A131/022	13:22:00	-10	150.0	192 5	BB3	4	1	277.6	75.4	215	-78	31.4	73.9	96
11A254/032	13:54:59	-10	150.0	190 0	BB4	4	1	276.2	68 3	213	-71	31.4	71.4	94
11B137/052	12:30:59	-10	155.0	185.0	BB3	4	1	250.8	86 2	137	-87	36.4	66.4	18
11B162/072	12:30:39	-10	155.0	185 0	BB3	4	1	228 2	84 3	135	-85	36 4	66 4	16
11B187/092	12:30:59	-10	167.5	187 5	BB3	4	1	216.6	81 3	135	-81	48.9	68 9	16
11B142/057	12:12:59	-10	300.0	335 0	BB3	3	1	169.1	88 1	67	-85	181.4	216 4	309
11B167/077	12:12:39	-10	300.0	335 0	BB3	3	1	183 5	85.4	92	-84	181.4	216 4	334
11B192/097	12:12:59	-10	300 0	327 5	BB3	3	1	188 0	82 0	107	-81	181.4	208 9	349
11B093/040	12:42:09	-20	280.0	285.0	BB2	3	1	270.6	84 3	194	-87	161.4	166 4	75
11A130/022	10:10:27	-20	295.0	305.0	BB3	4	1	81 5	61.9	22	-59	176.4	186 4	264
11B117/042	11:30:27	-20	297.5	307.5	BB3	4	1	89 2	79.6	31	-76	178 9	188.9	273
11A098/014	10:10:27	-30	212.5	220 0	BB2	4	1	80.5	61 7	21	-58	93 9	101 4	263
11B078/040	11:06:44	-30	282.5	290 0	BB1	3	1	86 9	74.2	28	-71	163.9	171.4	270
11B019/034	10:42:52	-30	290 0	300.0	BB2	4	1	84.3	68 7	25	-65	171 4	181.4	267
11B020/034	11:42:52	-30	290.0	300.0	BB2	4	1	84.9	82 1	29	-79	171.4	181.4	271
11A253/032	11:28:27	-40	205.0	207.5	BB1	4	1	84.4	78 8	27	-76	86.4	88.9	269
11A202/029	10:30:06	-50	237.5	245.0	BB1	4	1	82 8	65 7	23	-62	118.9	126.4	265
CAMERA 2														
12A080/012	10:00:27	-20	22 5	30 0	BB3	4	1	80 0	59.4	204	-56	79.9	87 4	261
12A101/015	13:40:00	-20	285 0	290 0	BB1	4	1	278 8	71.5	40	-74	342.4	347 4	97
12A242/031	13:39:59	-20	285.0	290.0	BB1	3	1	276 1	71.7	37	-74	342.4	347.4	94
12A043/006	12:30:00	-20	305.0	310.0	BB1	4	1	310 2	86.9	142	-88	2.4	7 4	199
12A243/031	13:49:59	-30	102 5	112 5	BB2	4	1	276 3	69.4	37	-72	159.9	169.9	94
12B030/034	12:55:00	-30	102 5	112.5	BB2	4	1	275 0	81.6	32	-84	159.9	169.9	89
12A014/002	13:06:00	-30	295.0	305.0	BB1	4	1	283.6	79 5	45	-79	352.4	2.4	102
12A068/009	10:59:59	-30	295 0	305.0	BB1	5	1	80 3	72.4	206	-69	352.4	2 4	263
12A109/018	12:10:27	-30	295.0	302.5	BB1	5	1	43 4	89.0	203	-85	352.4	359.9	260
12A126/021	10:00:27	-30	295 0	302.5	BB1	5	1	81 0	59 7	205	-56	352.4	359.9	262
12A102/015	13:43:00	-40	80.0	100.0	BB1	4	1	278.8	70 9	40	-73	137.4	157 4	97
12A070/010	10:10:27	-40	110.0	117 5	BB1	4	1	80 1	61.5	204	-58	167.4	174.9	261
12A013/002	10:29:50	-50	117.5	155 0	BB1	4	1	79.8	65.5	204	-65	174.9	212 4	261
12A236/030	10:00:07	-50	125.0	132.5	BB1	4	1	81 9	59.0	206	-56	182.4	189.9	263

VL-1
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

14-16 HOURS LLT

CLL	LABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
													AZSTART	AZSTOP	ASOLAZ
CAMERA 1															
11A173/028	14.49.34	0	10.0	60.0	BB4	4	1	278.8	56.2	216	-59	251.4	301.4	97	
11A174/028	15:20.23	0	55.0	105.0	BB4	4	1	280.2	49.4	218	-52	296.4	346.4	99	
11A250/031	14:38.28	0	100.0	160.0	BB4	4	1	278.0	58.6	215	-61	341.4	41.4	96	
11A118/020	14:49.59	0	217.5	227.5	BB1	5	1	279.7	55.9	218	-58	98.9	108.9	99	
11B037/034	14:55.57	0	247.5	307.5	BB4	4	1	278.3	54.6	216	-57	128.9	188.9	97	
11A066/008	14:23.59	0	260.0	275.0	BB4	4	1	280.0	62.1	219	-65	141.4	156.4	100	
11B036/034	14:25.02	0	287.5	335.0	BB4	4	1	277.0	61.5	214	-64	168.9	216.4	95	
11B073/039	14:31.41	-10	30.0	90.0	BB3	4	1	276.4	59.8	214	-62	271.4	331.4	95	
11A251/031	15:09.23	-10	127.5	187.5	BB4	4	1	279.3	51.7	217	-54	8.9	68.9	98	
11A143/025	14:59.39	-10	155.0	202.5	BB4	4	1	279.5	53.6	218	-56	36.4	83.9	99	
11B126/046	14:28.59	-10	155.0	185.0	BB3	4	1	275.0	60.1	212	-63	36.4	66.4	93	
11B151/066	14:28.40	-10	155.0	185.0	BB3	4	1	270.5	59.1	207	-62	36.4	66.4	88	
11B176/086	14:28.59	-10	167.5	187.5	BB3	4	1	265.3	57.6	202	-60	48.9	68.9	83	
11A077/011	15:26.46	-10	180.0	260.0	BB4	4	1	281.9	48.2	221	-51	61.4	141.4	102	
11A127/021	15:12.30	-10	202.5	335.0	BB3	4	1	280.6	50.9	219	-53	83.9	216.4	100	
11A030/004	15:45.16	-10	260.0	340.0	BB3	4	1	283.0	44.4	222	-44	141.4	221.4	103	
11A017/003	14:28:00	-20	272.5	300.0	BB3	4	1	280.4	61.5	219	-61	153.9	181.4	100	
11A069/009	15:32.54	-30	145.0	225.0	BB2	4	1	282.3	46.9	221	-49	26.4	106.4	102	
11A144/025	15:30.27	-30	155.0	210.0	BB2	4	1	281.0	46.8	220	-49	36.4	91.4	101	
11B058/036	14:14:41	-30	180.0	230.0	BB2	4	1	276.2	63.7	213	-66	61.4	111.4	94	
11A037/005	15:43:10	-30	182.5	242.5	BB2	4	1	282.9	44.9	222	-47	63.9	123.9	103	
11A114/019	15:17:02	-30	190.0	322.5	BB2	4	1	280.9	49.9	220	-52	71.4	203.9	101	
11A065/008	14:19:59	-30	207.5	217.5	BB2	4	1	279.9	63.0	218	-66	88.9	98.9	99	
11B144/059	15:08:59	-30	207.5	242.5	BB2	4	1	275.1	50.4	213	-53	88.9	123.9	94	
11B169/079	15:08:40	-30	207.5	242.5	BB2	4	1	271.1	49.2	208	-52	88.9	123.9	89	
11A067/008	15:35:42	-30	225.0	305.0	BB2	4	1	282.4	46.4	221	-49	106.4	186.4	102	
11B140/055	14:01:59	-30	270.0	305.0	BB2	4	1	271.0	65.7	207	-68	151.4	186.4	88	
11B165/075	14:01:40	-30	270.0	305.0	BB2	4	1	265.1	64.6	201	-67	151.4	186.4	82	
11B190/095	14:01:59	-30	277.5	305.0	BB2	4	1	258.6	62.8	194	-65	158.9	186.4	75	
11A141/024	15:36:24	-30	320.0	335.0	BB2	4	1	281.4	45.6	220	-48	201.4	216.4	101	
11B067/038	14:37:00	-40	260.0	320.0	BB1	4	1	276.8	58.6	214	-61	141.4	201.4	95	
11B050/035	14:51:08	-50	167.5	227.5	BB1	4	1	278.0	55.6	216	-58	48.9	108.9	97	
11A115/019	15:49:01	-50	182.5	195.0	BB1	4	1	282.4	42.9	221	-45	63.9	76.4	102	
11A120/020	15:46:49	-50	182.5	195.0	BB1	4	1	282.3	43.4	221	-46	63.9	76.4	102	
11A128/021	15:44:28	-50	182.5	195.0	BB1	4	1	282.1	43.9	221	-46	63.9	76.4	102	
11A132/022	15:09:59	-50	195.0	327.5	BB1	4	1	280.3	51.4	219	-54	76.4	208.9	100	
11A051/007	15:38:25	-50	200.0	260.0	BB1	4	1	282.6	45.8	222	-48	81.4	141.4	103	
11B059/036	14:45:37	-50	220.0	280.0	BB1	4	1	277.6	56.8	215	-59	101.4	161.4	96	
11A133/022	15:41:58	-50	237.5	250.0	BB1	4	1	281.8	44.4	221	-47	118.9	131.4	102	
11A137/023	15:39:16	-50	247.5	260.0	BB1	4	1	281.6	45.0	220	-47	128.9	141.4	101	

VL-1
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

14-16 HOURS LLT

CCLABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
CAMERA 2														
12A212/029	15:16:42	0	85.0	145 0	BB4	4	1	279 9	50 2	42	-53	142.4	202.4	99
12A211/029	14:45:47	0	120 0	180 0	BB4	4	1	278 6	57 0	40	-60	177.4	237.4	97
12A237/030	14:41:02	0	157.5	217 5	BB4	4	1	278 2	58 0	40	-61	214 9	274.9	97
12A165/027	15:23:54	0	220.0	280 0	BB4	4	1	280.4	48 2	43	-51	277.4	337 4	100
12B000/032	15:07:29	0	250.0	310 0	BB4	4	1	279 1	52.1	41	-55	307.4	7.4	98
12A255/032	14:31:43	0	290.0	335 0	BB4	4	1	277.6	60 0	39	-63	347.4	32.4	96
12A119/020	15:14 51	-10	5 0	137 5	BB3	4	1	280.8	50.4	43	-53	62.4	194.9	100
12A153/026	15:27:20	-10	132.5	192 5	BB4	4	1	280.7	47.5	43	-50	189.9	249 9	100
12A164/027	14:52:59	-10	175.0	235 0	BB4	4	1	279 0	55.1	41	-58	232.4	292 4	98
12A036/005	14:59 59	-10	197.5	212.5	BB1	5	1	281.2	54.3	43	-57	254.9	269.9	100
12B016/033	14:27:15	-10	260.0	320 0	BB3	4	1	277.2	61 0	39	-64	317.4	17.4	96
12A238/030	15 11:57	-20	172.5	232 5	BB2	4	1	279 6	51 2	41	-54	229.9	289.9	98
12B103/041	15:58 44	-20	290.0	295 0	BB3	3	1	280.7	40.3	43	-43	347.4	352 4	100
12A140/024	15 04 26	-30	5 0	145 0	BB2	4	1	279 9	52 6	42	-55	62.4	202 4	99
12B138/053	14:01 59	-30	85.0	120 0	BB2	4	1	271.6	65 8	32	-68	142.4	177.4	89
12B163/073	14:01:39	-30	85.0	120 0	BB2	4	1	265.7	64 7	26	-67	142.4	177.4	83
12B188/093	14:01:58	-30	92.5	120 0	BB2	4	1	259.3	63 0	19	-65	149.9	177.4	76
12A152/026	14:56 24	-30	132.5	192 5	BB2	4	1	279.3	54.3	41	-57	189.9	249.9	98
12A136/023	15:07 17	-50	30.0	162.5	BB1	4	1	280.1	52.0	42	-54	87.4	219 9	99
12A081/012	15:36:22	-50	60.0	160 0	BB1	4	1	282.2	46.4	44	-49	117.4	217 4	101
12A009/001	15:50:28	-50	80.0	160 0	BB1	4	1	283.8	43 3	48	-43	137.4	217 4	105
12B017/033	15:03 00	-50	142.5	202 5	BB1	4	1	278.8	53.0	40	-56	199.9	259.9	97

VL-1
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

16-24:39 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
CAMERA 1														
11B098/040	17:36:59	0	90.0	155.0	BB4	3	1	286.9	18.9	225	-21	331.4	36.4	106
11B099/040	17:43:59	-10	35.0	65.0	BB3	3	1	287.4	17.4	226	-20	276.4	306.4	107
11B097/040	17:25:59	-10	130.0	230.0	BB3	3	1	286.2	21.2	224	-24	11.4	111.4	105
11B139/054	17:27:59	-10	155.0	185.0	BB3	4	1	285.0	19.9	223	-22	36.4	66.4	104
11B164/074	17:27:40	-10	155.0	185.0	BB3	4	1	282.5	18.5	221	-21	36.4	66.4	102
11B189/094	17:27:59	-10	167.5	187.5	BB3	4	1	279.6	16.7	218	-19	48.9	68.9	99
11B120/042	17:30:00	-10	230.0	330.0	BB3	3	1	286.3	20.3	224	-23	111.4	211.4	105
11B123/043	17:34:00	-10	300.0	335.0	BB3	3	1	286.5	19.3	225	-22	181.4	216.4	106
11B148/063	17:33:40	-10	300.0	335.0	BB3	3	1	284.4	18.1	223	-21	181.4	216.4	104
11B173/083	17:33:21	-10	300.0	335.0	BB3	3	1	281.7	16.5	220	-19	181.4	216.4	101
11A052/007	17:41:59	-30	207.5	217.5	BB2	4	1	289.5	19.2	229	-22	88.9	98.9	110
CAMERA 2														
12B108/041	17:14:59	0	90.0	105.0	BB4	3	1	285.4	23.6	48	-26	147.4	162.4	105
12A235/029	17:45:40	0	140.0	290.0	BB4	3	1	288.4	17.6	51	-20	197.4	347.4	108
12B096/040	17:16:59	-10	12.5	102.5	BB3	3	1	285.6	23.2	48	-26	69.9	159.9	105
12B112/041	17:37:59	-10	267.5	310.0	BB3	3	1	286.9	18.6	49	-21	324.9	7.4	106
12A054/007	17:44:59	-20	22.5	32.5	BB3	4	1	289.7	18.5	52	-21	79.9	89.9	109
12A252/031	16:59:59	-20	25.0	30.0	BB1	3	1	285.2	27.4	47	-30	82.4	87.4	104
12B111/041	17:27:59	-20	115.0	202.5	BB3	3	1	286.2	20.8	48	-23	172.4	259.0	105
12B104/041	16:01:09	-20	290.0	295.0	BB3	3	1	280.9	39.8	43	-42	347.4	352.4	100
12B106/041	16:05:09	-20	290.0	295.0	BB3	3	1	281.1	38.9	43	-41	347.4	352.4	100
12B110/041	17:21:59	-30	77.5	115.0	BB2	3	1	285.8	22.1	48	-25	134.9	172.4	105
12A001/000	16:13:21	-50	102.5	160.0	BB1	4	1	284.9	38.7	49	-38	159.9	217.4	106

VL-1 SURVEY CAMERA EVENTS

VL-1

SURVEY CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12A002/000	16:19.04	SURV	10 0	310 0	-10	12	1	4
12A004/001	10:36 27	SURV	132 5	150.0	-30	.12	1	4
12A005/001	12.35 59	SURV	305 0	310.0	-10	.12	1	4
12A012/002	08.00.27	SURV	132.5	150.0	-30	.12	1	4
11A018/003	14:32.00	SURV	10.0	310 0	-10	.12	1	4
12A026/004	09:00.27	SURV	132.5	150 0	-30	.12	1	4
12A027/004	12:47 59	SURV	310 0	335 0	-30	.12	1	5
12A028/004	12:49.59	SURV	277 5	285.0	-10	.12	1	4
12A050/007	11:36 27	SURV	20.0	37.5	-30	.12	1	4
11A057/008	07.20 57	SURV	7.5	37.5	-20	12	1	4
12A061/008	11 49 00	SURV	310.0	335.0	-30	12	1	5
12A064/008	12:12 27	SURV	20 0	37 5	-30	.12	1	4
12A092/013	09.06.27	SURV	132.5	150.0	-30	.12	1	4
11A095/013	13:23 59	SURV	15.0	35.0	-20	12	1	5
11A096/014	06 56 20	SURV	15.0	35.0	-20	12	1	3
11A099/014	13:24 00	SURV	15.0	35 0	-20	.12	1	5
11A105/017	07:29 59	SURV	215.0	230 0	0	.12	1	4
12A106/017	10.00 27	SURV	32.5	57 5	-10	.12	1	4
12A113/019	08:48 27	SURV	32.5	57.5	-10	.12	1	4
12A145/026	10:00.27	SURV	282.5	307 5	-30	.12	1	4
11A150/026	12.16 00	SURV	35 0	40.0	-10	12	1	4
11A151/026	12 18 00	SURV	205.0	305.0	-30	.12	1	4
12A171/028	12:15 41	SURV	285 0	290 0	-20	.12	1	4
12A172/028	12:17 41	SURV	57 5	145.0	-30	.12	1	4
12A246/031	13:58 59	SURV	102.5	112.5	-30	12	1	4
12A249/031	14 04 59	SURV	285.0	290.0	-20	12	1	4
12B023/034	12:28 00	SURV	145.0	170 0	-30	.12	1	4
12B026/034	12:40 00	SURV	170 0	197 5	0	.12	1	4
12B029/034	12:48 00	SURV	102 5	112.5	-30	.12	1	4
12B031/034	13 00 00	SURV	305.0	330.0	-30	12	1	5
12B034/034	13:07 00	SURV	285 0	290 0	-20	.12	1	4
12B038/035	09:36 27	SURV	132 5	150 0	-30	.12	1	4
11B041/035	11.53 59	SURV	35.0	40.0	-10	12	1	4
11B044/035	12.07 59	SURV	175.0	205.0	-30	12	1	4
11B047/035	12 24 59	SURV	115.0	175 0	0	.12	1	4
12B071/039	13:23.59	SURV	197.5	315 0	0	.12	1	4
12B079/040	11.29.59	SURV	305.0	310.0	-20	12	1	4
12B084/040	11:41 59	SURV	87.5	117.5	-10	.12	1	4
12B087/040	11:53 59	SURV	137.5	172.5	-10	.12	1	4
11B090/040	12:05 59	SURV	35.0	65.0	-10	.12	1	4

VL-1 Survey Camera Events

VL-1 VISUAL COLOR TRIPLET CAMERA EVENTS

VL-1

VISUAL COLOR TRIPLET CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN	CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12A006/001	12 41 59	COLOR	80 0	147 5	-20	12	1	5	12B069/039	12 59 59	COLOR	197 5	315 0	0	.12	1	4
12A008/001	14 44 59	COLOR	305 0	310 0	-10	12	1	5	12B081/040	11 32 59	COLOR	305 0	310 0	-20	.12	1	4
11A021/003	18 56 00	COLOR	57 5	57 5	10	12	1	5	12B082/040	11 34 59	COLOR	87 5	117.5	-10	.12	1	4
11A029/004	12 59 59	COLOR	275 0	307.5	-20	12	1	5	12B085/040	11.45.59	COLOR	137 5	172.5	-10	.12	1	4
11A038/006	07 18 00	COLOR	15 0	40.0	-10	.12	1	5	11B088/040	11.58.59	COLOR	35.0	65 0	-10	.12	1	4
11A040/006	12 00 00	COLOR	197 5	275.0	-30	.12	1	4	11B091/040	12 39 09	COLOR	280 0	285.0	-20	.12	1	3
12A045/006	15 40 53	COLOR	80 0	147.5	-20	12	1	4	12B105/041	16 02 09	COLOR	290 0	295.0	-20	.12	1	3
12A062/008	12 06 59	COLOR	22 5	32.5	-30	12	1	4	12B107/041	16 06 09	COLOR	285 0	305.0	-20	.12	1	3
12A071/010	12 39 00	COLOR	147 5	187.5	-20	12	1	4	12B114/041	19 04 59	COLOR	237 5	237.5	10	.12	1	5
12A073/010	12 45 00	COLOR	305 0	310 0	-10	.12	1	4	12B115/041	19 31.59	COLOR	240 0	240 0	10	.12	1	2
12A074/010	15 29 55	COLOR	5 0	85 0	-10	.12	1	5	12B116/041	19 58.59	COLOR	242 5	242 5	10	.12	1	1
11A117/020	08 46.27	COLOR	212 5	220.0	-30	.12	1	4	12B125/045	12 12 58	COLOR	85 0	120 0	-30	.12	1	4
11A146/025	11 42 00	COLOR	35 0	40 0	-10	.12	1	4	12B141/057	09.36.29	COLOR	280 0	310 0	-10	.12	1	5
11A147/026	11 44 00	COLOR	205 0	305.0	-30	12	1	4	11B143/058	13 03 59	COLOR	175 0	205 0	-30	.12	1	4
12A160/027	10 42 00	COLOR	285 0	290 0	-20	12	1	4	12B147/062	16 27 59	COLOR	185 0	215.0	10	.12	1	5
12A167/028	11 41 41	COLOR	285 0	290.0	-20	.12	1	4	12B150/065	12 12 39	COLOR	85.0	120.0	-30	.12	1	4
12A168/028	11 43 41	COLOR	57 5	145.0	-30	.12	1	4	12B166/076	09 59 59	COLOR	280 0	310.0	-10	.12	1	5
11A181/029	04 30 40	COLOR	177.5	177 5	10	12	1	1	11B168/078	13 03 40	COLOR	175 0	205.0	-30	.12	1	4
11A182/029	04 57 40	COLOR	182 5	182 5	10	.12	1	5	12B172/082	16.27.40	COLOR	185 0	215.0	10	.12	1	5
11A190/029	07 55 41	COLOR	222 5	230.0	-30	.12	1	4	12B175/085	12.12.58	COLOR	92.5	120.0	-30	.12	1	4
11A193/029	08 03 40	COLOR	185 0	187 5	-20	.12	1	4	12B191/096	10.29.59	COLOR	285 0	300.0	-10	.12	1	5
11A195/029	08 07 40	COLOR	300 0	302.5	-10	.12	1	4	11B193/098	13 03.59	COLOR	175.0	195.0	-30	.12	1	4
11A197/029	08 11 40	COLOR	35 0	40 0	-10	.12	1	4	12B198/102	16.27.59	COLOR	187.5	207.5	10	.12	1	5
11A199/029	08 15 40	COLOR	275.0	277.5	-20	.12	1	4									
11A203/029	12 05 40	COLOR	227 5	230.0	-30	12	1	4									
11A205/029	12 13 40	COLOR	185 0	187.5	-20	.12	1	4									
11A207/029	12 17 40	COLOR	300 0	302.5	-10	.12	1	4									
11A209/029	12 21 40	COLOR	275 0	277.5	-20	.12	1	4									
11A213/029	15 55 40	COLOR	222 5	230 0	-30	12	1	4									
11A215/029	16 01 40	COLOR	300 0	302.5	-10	.12	1	4									
11A217/029	16 27 40	COLOR	222 5	230.0	-30	12	1	4									
11A219/029	16 33 40	COLOR	185 0	187 5	-20	.12	1	4									
11A221/029	16 37 40	COLOR	300 0	302 5	-10	.12	1	4									
11A223/029	16 41 40	COLOR	275 0	277.5	-20	.12	1	4									
11A225/029	17 26 41	COLOR	222 5	230 0	-30	12	1	4									
11A228/029	17 33 40	COLOR	185 0	187.5	-20	.12	1	4									
11A230/029	17 37 40	COLOR	300 0	302.5	-10	.12	1	4									
11A232/029	17 41 40	COLOR	275 0	277.5	-20	.12	1	4									
12A239/030	18 47 59	COLOR	130 0	190.0	-20	.12	1	1									
12A240/030	19 12 59	COLOR	130 0	250.0	0	.12	1	5									
12A244/031	13 54 59	COLOR	102 5	112.5	-30	.12	1	4									
12A247/031	14 00 59	COLOR	285.0	290.0	-20	12	1	4									
11B015/033	09 36 26	COLOR	212 5	222.5	-30	.12	1	4									
11B016/034	09 04 27	COLOR	212.5	222.5	-30	.12	1	4									
12B021/034	12 20 00	COLOR	145.0	170.0	-30	.12	1	4									
12B024/034	12 32 00	COLOR	170 0	197 5	0	.12	1	4									
12B027/034	12 44 00	COLOR	102.5	112 5	-30	.12	1	4									
12B032/034	13 04 00	COLOR	285 0	290.0	-20	.12	1	4									
11B039/035	11 49 59	COLOR	35.0	40.0	-10	.12	1	4									
11B042/035	11 59 59	COLOR	175 0	205.0	-30	.12	1	4									
11B045/035	12 11 59	COLOR	115.0	175.0	0	.12	1	4									

VL-1 Visual Color Triplet Camera Events

VL-1 INFRARED TRIPLET CAMERA EVENTS

VL-1

INFRARED TRIPLET CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12A033/005	11 53 59	IR	77.5	130 0	-30	.12	1	4
12A035/005	12 29 59	IR	305.0	310 0	-10	.12	1	5
11A091/013	07 29 59	IR	35.0	40 0	-10	.12	1	4
11A093/013	11:53 59	IR	205.0	280 0	-30	.12	1	4
11A148/026	11 59 00	IR	35 0	40.0	-10	.12	1	4
11A149/026	12 01 00	IR	205.0	305 0	-30	.12	1	4
12A169/028	11 58 41	IR	285.0	290 0	-20	.12	1	4
12A170/028	12 00 41	IR	57.5	145 0	-30	.12	1	4
11A192/029	07 59 40	IR	222.5	230.0	-30	.12	1	4
11A194/029	08 05 40	IR	185.0	187 5	-20	.12	1	4
11A196/029	08 09 40	IR	300.0	302.5	-10	.12	1	4
11A198/029	08 13 40	IR	35.0	40.0	-10	.12	1	4
11A200/029	08 17 40	IR	275.0	277 5	-20	.12	1	4
11A204/029	12 09 40	IR	222.5	230 0	-30	.12	1	4
11A206/029	12 15 40	IR	185.0	187 5	-20	.12	1	4
11A208/029	12 19 40	IR	300 0	302.5	-10	.12	1	4
11A210/029	12 23 40	IR	275 0	277 5	-20	.12	1	4
11A214/029	15 58 40	IR	222.5	230.0	-30	.12	1	4
11A216/029	16 03 40	IR	300.0	302 5	-10	.12	1	4
11A218/029	16 30 40	IR	222.5	230.0	-30	.12	1	4
11A220/029	16 35 40	IR	185 0	187 5	-20	.12	1	4
11A222/029	16 39 40	IR	300.0	302.5	-10	.12	1	4
11A224/029	16 43 40	IR	275.0	277 5	-20	.12	1	4
11A227/029	17 30 40	IR	222.5	230 0	-30	.12	1	4
11A229/029	17 35 40	IR	185.0	187 5	-20	.12	1	4
11A231/029	17 39 40	IR	300 0	302.5	-10	.12	1	4
11A233/029	17 43 40	IR	275.0	277 5	-20	.12	1	4
12A245/031	13 56 59	IR	102.5	112.5	-30	.12	1	4
12A248/031	14 02 59	IR	285.0	290.0	-20	.12	1	4
12B022/034	12 24 00	IR	145.0	170 0	-30	.12	1	4
12B025/034	12 36 00	IR	170 0	197.5	0	.12	1	4
12B028/034	12 46 00	IR	102 5	112.5	-30	.12	1	4
12B033/034	13 05 30	IR	285.0	290.0	-20	.12	1	4
11B040/035	11 51 59	IR	35.0	40 0	-10	.12	1	4
11B043/035	12 03 59	IR	175.0	205.0	-30	.12	1	4
11B046/035	12 18 29	IR	115 0	175 0	0	.12	1	4
12B070/039	13 11 59	IR	197.5	315.0	0	.12	1	4
12B080/040	11 31 29	IR	305.0	310.0	-20	.12	1	4
12B083/040	11 38 29	IR	87.5	117.5	-10	.12	1	4
12B085/040	11 49 59	IR	137.5	172 5	-10	.12	1	4
11B089/040	12 02 29	IR	35 0	65 0	-10	.12	1	4
11B092/040	12 40 09	IR	280.0	285 0	-20	.12	1	3
12B127/047	12 14 59	IR	85.0	120 0	-30	.12	1	4
11B145/060	13 03 59	IR	175 0	205 0	-30	.12	1	4
12B152/067	12 14 39	IR	85.0	120.0	-30	.12	1	4
11B170/080	13 03 39	IR	175.0	205.0	-30	.12	1	4
12B177/087	12 14 59	IR	92.5	120.0	-30	.12	1	4
11B195/100	13 03 59	IR	175.0	195.0	-30	.12	1	4

VL-1 Infrared Triplet Camera Events

VL-1 VISUAL AND IR SINGLET CAMERA EVENTS

VL-1

VISUAL AND INFRARED SINGLET CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12A121/020	17 07 59	BLU	185 0	232.5	10	.12	1	5
12A122/020	17.11 59	IR2	185 0	232.5	10	.12	1	5
12A134/023	05 50 00	BLU	85.0	100.0	-10	.12	1	3
11A166/028	10:10.09	BLU	155.0	180.0	10	.12	1	5
12A176/028	21 51 07	BLU	55.0	60.0	30	.04	1	2
12A177/028	22 11 46	BLU	47.5	52.5	20	.04	1	1
12A178/029	00 01 40	BLU	185.0	190.0	30	.04	1	0
12A179/029	02.01 40	BLU	190 0	195 0	30	.04	1	0
12A180/029	04 01 40	BLU	192 5	197 5	30	.04	1	0
11B001/032	23 08 25	IR2	232.5	237.5	30	.04	1	0
11B002/032	23 09 57	RED	232.5	237 5	30	.04	1	0
11B003/032	23.11 29	BLU	232 5	237 5	30	.04	1	1
11B004/032	23 13 01	IR3	232 5	235 0	30	.04	1	0
11B005/032	23.14 33	IR1	230 0	235.0	30	.04	1	0
11B007/032	23 18 25	IR2	230 0	235.0	20	.04	1	0
11B008/032	23 19 57	RED	230 0	232.5	20	.04	1	0
11B009/032	23.21 29	BLU	227.5	232.5	20	.04	1	1
11B010/032	23 23 25	GRN	227.5	232.5	20	.04	1	0
11B011/032	23 27 25	IR2	227.5	230.0	20	.04	1	0
11B012/032	23:28.57	RED	225.0	230 0	20	.04	1	0
11B013/032	23:30.29	BLU	225.0	230.0	20	.04	1	0
11B061/037	14 06 14	BLU	80.0	230.0	10	.12	1	4
12B062/037	14 42 00	BLU	55.0	237 5	10	.12	1	4
12B072/039	13 55 56	BLU	95.0	145 0	-30	.04	1	4
12B074/040	00 44 25	BLU	192 5	197.5	20	.04	1	0
12B075/040	01:04.17	BLU	185 0	190.0	30	.04	1	1
11B095/040	14.25 54	BLU	270.0	330.0	-10	.04	1	4
12B101/041	13 44 15	RED	95.0	145.0	-30	.04	1	4
11B102/041	14.20 00	RED	270.0	330 0	-10	.04	1	4
12B118/042	13.38 28	GRN	95.0	145.0	-30	.04	1	4
11B119/042	14.14 14	GRN	270.0	330.0	-10	.04	1	4
12B121/043	13:32 13	RED	95.0	145.0	-30	.04	1	4
11B122/043	14:07 59	RED	270.0	330.0	-10	.04	1	4

VL-1 Visual and IR Singlet Camera Events

VL-1 SUN IMAGERY CAMERA EVENTS

VL-1

SUN IMAGERY CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
11A046/006	17:54	00	SUN	32.5	67.5	10	.12	0 4
11A047/007	07:06	00	SUN	172.5	205.0	10	.12	0 4
11A083/012	17:36	59	SUN	47.5	52.5	30	.04	1 2
11A084/012	18:23	59	SUN	50.0	55.0	20	.04	1 2
11A085/012	18:47	59	SUN	52.5	57.5	10	.04	1 2
11A086/012	18:59	59	SUN	52.5	57.5	10	.04	1 2
11A087/013	05:35	59	SUN	180.0	185.0	10	.04	1 2
11A088/013	05:47	59	SUN	182.5	187.5	10	.04	1 2
11A089/013	06:11	59	SUN	185.0	190.0	20	.04	1 2
11A090/013	06:59	59	SUN	187.5	192.5	30	.04	1 2
12A175/028	18:06	20	SUN	232.5	235.0	20	.04	1 1
11A184/029	05:54	13	SUN	185.0	187.5	10	.04	1 0
11A186/029	06:21	43	SUN	187.5	190.0	20	.04	1 1
11A189/029	07:21	40	SUN	192.5	195.0	30	.04	1 2
12B109/041	17:19	59	SUN	227.5	230.0	30	.04	1 3
12B113/041	17:51	59	SUN	230.0	232.5	20	.04	1 2
12B146/061	17:15	14	SUN	210.0	237.5	30	.04	1 3
12B171/081	17:14	54	SUN	210.0	237.5	30	.04	1 3
12B196/101	17:15	14	SUN	217.5	227.5	20	.04	1 3
12B197/101	17:41	14	SUN	217.5	227.5	20	.04	1 3

VL-1 Sun Imagery Camera Events

**VL-1 CALIBRATION AND SCAN VERIFICATION
CAMERA EVENTS**

VL-1

CALIBRATION AND SCAN VERIFICATION CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12A007/001	12:48:00	CAL	170.0	170.0	0		1	2
12A011/002	07:26:01	CAL	170.0	170.0	0		1	2
11A019/003	14:40:54	CAL	170.0	170.0	0		1	2
11A024/004	07:27:06	CAL	170.0	170.0	0		1	2
12A034/005	11:58:40	CAL	170.0	170.0	0		1	2
11A041/006	12:20:00	BB1	.0	5.0	0	.12	1	4
12A042/006	12:25:00	BB1	.0	5.0	0	.12	1	4
12A044/006	12:35:00	BB1	.0	5.0	0	.12	1	4
11A049/007	07:14:41	CAL	170.0	170.0	0		1	2
11A053/008	17:42:53	CAL	170.0	170.0	0		1	2
12A063/008	12:07:53	CAL	170.0	170.0	0		1	2
12A072/010	12:42:34	CAL	170.0	170.0	0		1	2
12A075/011	12:00:00	BB1	.0	5.0	0	.12	1	4
12A076/011	12:04:59	BB1	.0	5.0	0	.12	1	4
11A094/013	11:60:42	CAL	170.0	170.0	0		1	2
12A123/020	17:13:26	CAL	170.0	170.0	0		1	2
11A161/027	12:50:01	BB1	.0	5.0	0	.12	1	4
11A162/027	12:49:43	CAL	170.0	170.0	0		1	2
12A163/027	12:52:00	BB1	.0	5.0	0	.12	1	4
11A191/029	07:55:23	CAL	170.0	170.0	0		1	2
11A201/029	08:17:54	CAL	170.0	170.0	0		1	2
11A226/029	17:26:23	CAL	170.0	170.0	0		1	2
11A234/029	17:43:54	CAL	170.0	170.0	0		1	2
11B014/032	23:30:56	CAL	170.0	170.0	0		1	2
12B035/034	13:07:10	CAL	170.0	170.0	0		1	2
11B048/035	12:26:46	CAL	170.0	170.0	0		1	2
11B131/051	12:59:59	BB1	.0	5.0	0	.12	1	4
11B132/051	13:03:59	BB1	.0	5.0	0	.12	1	4
11B133/051	13:04:09	CAL	170.0	170.0	0		1	2
12B134/051	13:43:59	BB1	.0	5.0	0	.12	1	4
12B135/051	13:48:00	BB1	.0	5.0	0	.12	1	4
12B136/051	13:49:10	CAL	170.0	170.0	0		1	2
11B156/071	12:59:40	BB1	.0	5.0	0	.12	1	4
11B157/071	13:03:39	BB1	.0	5.0	0	.12	1	4
11B158/071	13:03:49	CAL	170.0	170.0	0		1	2
12B159/071	13:43:40	BB1	.0	5.0	0	.12	1	4
12B160/071	13:47:40	BB1	.0	5.0	0	.12	1	4
12B161/071	13:47:50	CAL	170.0	170.0	0		1	2
11B161/091	12:59:59	BB1	.0	5.0	0	.12	1	4
11B182/091	13:04:00	BB1	.0	5.0	0	.12	1	4
11B183/091	13:04:10	CAL	170.0	170.0	0		1	2
12B184/091	13:43:59	BB1	.0	5.0	0	.12	1	4
12B185/091	13:48:00	BB1	.0	5.0	0	.12	1	4
12B186/091	13:48:10	CAL	170.0	170.0	0		1	2

VL-1 Calibration and Scan Verification Camera Events

VL-1 RESCANNING CAMERA EVENTS

VL-1
RESCANNING CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	DATAPATH	RESCAN
12A004/001	10 36 27	SURV	132.5	150.0	-30	12	RT/SB	43
12A012/002	08 00 27	SURV	132.5	150.0	-30	12	RT/SB	43
11A021/003	18.56.00	COLOR	57.5	57.5	10	.12	REC/UH	57
12A026/004	09.00 27	SURV	132.5	150.0	-30	12	RT/SB	45
11A037/005	15 43 10	BB2	182.5	242.5	-30	.04	RT/UH	353
12A045/006	15.40 53	COLOR	80.0	147.5	-20	.12	RT/UH	53
12A050/007	11.36 27	SURV	20.0	37.5	-30	12	RT/SB	45
12A064/008	12:12.27	SURV	20.0	37.5	-30	12	RT/SB	48
12A092/013	09 06 27	SURV	132.5	150.0	-30	12	RT/SB	43
11A143/025	14 59 39	BB4	155.0	202.5	-10	04	RT/UH	29
11A181/029	04.30.40	COLOR	177.5	177.5	10	12	REC/UH	37
11A182/029	04.57 40	COLOR	182.5	182.5	10	12	REC/UH	37
11A253/032	11.28 27	BB1	205.0	207.5	-40	04	RT/SB	126
12A255/032	14:31 43	BB4	290.0	335.0	0	04	RT/UH	92
11B036/034	14.25 02	BB4	287.5	335.0	0	04	RT/UH	31
12B038/035	09 36 27	SURV	132.5	150.0	-30	12	RT/SB	50
12B057/036	09.00 27	BB1	132.5	135.0	-50	.04	RT/SB	134
12B065/038	09:30.27	BB1	132.5	135.0	-50	.04	RT/SB	128
11B067/038	14.37 00	BB1	260.0	320.0	-40	.04	RT/UH	39
11B073/039	14:31 41	BB3	30.0	90.0	-10	.04	RT/UH	102
12B114/041	19 04 59	COLOR	237.5	237.5	10	.12	REC/UH	37
12B115/041	19.31:59	COLOR	240.0	240.0	10	.12	REC/UH	37
12B116/041	19.58.59	COLOR	242.5	242.5	10	.12	REC/UH	50

VL-1 Rescanning Camera Events

VL-1 IPL PICTURE IDENTIFIERS (EDR ORDER NUMBERS)

VL-1
IPL PICTURE IDENTIFIERS
(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID
12A001/000	BB1	77/02/08/173319 77/02/08/173434	11A030/004	BB3	77/02/08/224814 77/02/08/224843	12A062/008	GRN	77/02/10/152723 RED 77/02/10/153052	11A091/013	IR1	77/02/10/231957
12A002/000	SURV	77/02/08/174136 77/02/08/174217 77/02/08/174254	12A031/005	BB1	77/02/10/004040	12A063/008	CAL	77/02/10/153445	12A092/013	SURV	77/02/10/232348
12A003/001	BB2	77/02/08/174341 77/02/08/174811 77/02/08/174919	11A032/005	BB1	77/02/10/004905	12A064/008	SURV	77/02/10/153924	11A093/013	IR3	77/02/10/232718
12A004/001	SURV	77/02/08/175458	12A033/005	IR3	77/02/10/005858	11A065/008	BB2	77/02/10/154145		IR2	77/02/10/233130
12A005/001	SURV	77/02/08/180058		IR2	77/02/10/010250	11A066/008	BB4	77/02/10/154607	11A094/013	CAL	77/02/10/234053
12A006/001	BLU	77/02/08/180708	12A034/005	CAL	77/02/10/011348	11A067/008	BB2	77/02/10/154941	11A095/013	SURV	77/02/10/234414
	GRN	77/02/08/181359	12A035/005	IR3	77/02/10/011643			77/02/10/155012	11A096/014	SURV	77/02/10/234721
	RED	77/02/08/182008		IR2	77/02/10/011920			77/02/10/155045	11A097/014	BB3	77/02/10/235108
12A007/001	CAL	77/02/08/182608	12A036/005	BB1	77/02/10/012354	12A068/009	BB1	77/02/10/215001			77/02/10/235151
12A008/001	BLU	77/02/08/183034	11A037/005	BB2	77/02/10/012816	11A069/009	BB2	77/02/10/215319			77/02/10/235235
	GRN	77/02/08/183516			77/02/10/012144			77/02/10/215347			77/02/10/235301
	RED	77/02/08/184136	11A038/006	BLU	77/02/08/231119			77/02/10/215411	11A098/014	BB2	77/02/10/235621
12A009/001	BB1	77/02/08/184824 77/02/08/184926		GRN	77/02/08/231609	12A070/010	BB1	77/02/10/215707	11A099/014	SURV	77/02/10/235925
		77/02/08/185001	12A039/006	BB1	77/02/08/232449	12A071/010	BLU	77/02/10/220038	11A100/015	BB1	77/02/11/235335
12A010/002	BB4	77/02/08/185846 77/02/08/190019 77/02/08/190129	11A040/006	BLU	77/02/08/232749		GRN	77/02/10/220332	12A101/015	BB1	77/02/11/235700
12A011/002	CAL	77/02/08/190624		GRN	77/02/08/233507	12A072/010	CAL	77/02/10/220712	12A102/015	BB1	77/02/12/000009
12A012/002	SURV	77/02/08/190942	11A041/006	BB1	77/02/08/234616	12A073/010	BLU	77/02/10/221009	12A103/016	BB1	77/02/12/000333
12A013/002	BB1	77/02/08/191403	12A042/006	BB1	77/02/08/235001		GRN	77/02/10/221413			77/02/12/000429
		77/02/08/191521	12A043/006	BB1	77/02/08/235348	12A074/010	BLU	77/02/10/221957	12A104/016	BB1	77/02/12/000733
12A014/002	BB1	77/02/08/192030	12A044/006	BB1	77/02/08/235576		RED	77/02/10/222411	11A105/017	SURV	77/02/12/001052
12A015/003	BB1	77/02/08/214348	12A045/006	BLU	77/03/04/224804	12A075/011	BB1	77/02/10/222819	12A106/017	SURV	77/02/12/001359
11A017/003	BB3	77/02/08/214702		GRN	77/03/04/224804	12A076/011	BB1	77/02/10/223034	12A107/018	BB3	77/02/12/001744
11A018/003	SURV	77/02/08/215029 77/02/08/215102	11A046/006	SUN	77/03/04/225243	11A077/011	BB4	77/02/10/223839			77/02/12/001810
		77/02/08/215135	11A047/007	SUN	77/03/04/225243			77/02/10/223834	12A108/018	BB2	77/02/12/002234
		77/02/08/215206	11A048/007	BB2	77/03/04/225811	12A078/011	BB1	77/02/10/224139	12A109/018	BB1	77/02/12/002516
11A019/003	CAL	77/02/08/215519	11A049/007	CAL	77/03/04/232217	11A078/012	BB2	77/02/10/224931	12A110/019	BB3	77/02/12/002805
11A021/003	BLU	77/02/08/215829	12A050/007	SURV	77/03/04/232901			77/02/10/225021			77/02/12/002835
	GRN	77/02/08/220156	11A051/007	BB1	77/03/04/234009	11A079/012	BB1	77/03/06/100700	11A111/019	BB3	77/02/12/003104
	RED	77/02/08/220512			77/03/04/234132			77/03/06/100730	12A112/019	BB4	77/02/12/003354
11A022/004	BB1	77/02/08/221023 77/02/08/221101	11A052/007	BB2	77/02/10/1445209			77/03/06/100805			77/02/12/003449
11A023/004	BB2	77/02/08/221638	11A053/008	CAL	77/02/10/145015	12A080/012	BB3	77/03/06/100832	12A113/019	SURV	77/02/12/003712
11A024/004	CAL	77/02/08/222002	12A054/007	BB3	77/02/10/145345	12A081/012	BB1	77/03/06/101515	11A114/019	BB2	77/02/12/004307
11A025/004	BB1	77/02/08/222346	11A055/008	BB2	77/02/10/145703			77/03/06/101546			77/02/12/004334
12A026/004	SURV	77/02/08/222719	12A056/008	BB3	77/02/10/150147	11A083/012	SUN	77/03/06/102237			77/02/12/004411
12A027/004	SURV	77/02/08/223018	11A057/008	SURV	77/02/10/150521	12A084/012	SUN	77/03/06/103232			77/02/12/004440
12A028/004	SURV	77/02/08/223339	11A058/008	BB2	77/02/10/150927	11A085/012	SUN	77/03/06/103313	11A115/019	BB1	77/02/12/004647
11A029/004	BLU	77/02/08/223723	12A059/008	BB3	77/02/10/151234	11A086/012	SUN	77/02/10/232633	12A116/020	BB4	77/02/11/023924
	GRN	77/02/08/224027	11A060/008	BB2	77/02/10/151604	11A087/012	SUN	77/02/10/233053			77/02/11/024054
	RED	77/02/08/224458	12A061/008	SURV	77/02/10/151852	11A088/012	SUN	77/02/10/233513			77/02/11/024217
			12A062/008	BLU	77/02/10/152412	11A089/012	SUN	77/02/10/233904			77/02/11/024306
						11A090/012	SUN	77/02/10/225305			77/02/11/024426
						11A091/012	SUN	77/02/10/225724	11A117/020	BLU	77/02/11/024833
						11A092/012	SUN	77/02/10/230114		GRN	77/02/11/025238
						11A093/012	SUN	77/02/10/230626		RED	77/02/11/025728
						11A094/012	IR3	77/02/10/231208	11A118/020	BB1	77/02/11/030113
						11A095/012	IR2	77/02/10/231552	12A119/020	BB3	77/02/11/030723

VL-1 IPL Picture Identifiers (EDR Order Numbers)

VL-1
IPL PICTURE IDENTIFIERS
(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID
12A119/020	BB3	77/02/11/030814 77/02/11/030913 77/02/11/031014 77/02/11/031118	11A142/025	BB4	77/02/12/000738	12A168/028	GRN	77/02/12/022556	11A196/029	IR3	77/02/14/003731
			11A143/025	BB4	77/02/12/001133		RED	77/02/12/023128		IR2	77/02/14/004236
					77/02/12/001210	12A169/028	IR3	77/02/12/023658		IR1	77/02/14/004633
			11A144/025	BB2	77/02/12/001600		IR2	77/02/12/024248	11A197/029	BLU	77/02/14/004937
11A120/020	BB1	77/02/11/031532			77/02/12/001650		IR1	77/02/12/024802		GRN	77/02/14/005340
12A121/020	BLU	77/02/11/031932	12A145/026	SURV	77/02/12/004932	12A170/028	IR3	77/02/12/025352		RED	77/02/14/005640
12A122/020	IR2	77/02/11/032525	11A146/026	BLU	77/02/12/005229		IR2	77/02/12/025751	11A198/029	IR3	77/02/14/010012
12A123/020	CAL	77/02/11/032919		GRN	77/02/12/005500		IR1	77/02/12/030236		IR2	77/02/14/010336
12A124/021	BB1	77/02/11/033458 77/02/11/033550		RED	77/02/12/005736	12A171/028	SURV	77/02/12/030723		IR1	77/02/14/010658
			11A147/026	BLU	77/02/12/010032	12A172/028	SURV	77/02/12/031154	11A199/029	BLU	77/02/14/011020
12A125/021	BB4	77/02/11/034013 77/02/11/034121		GRN	77/02/12/010345	11A173/028	BB4	77/02/12/031541		GRN	77/02/14/011406
				RED	77/02/12/010707			77/02/12/031651		RED	77/02/14/011856
12A126/021	BB1	77/02/11/034600	11A148/026	IR3	77/02/12/011036	11A174/028	BB4	77/02/12/032052	11A200/029	IR3	77/02/14/012237
11A127/021	BB3	77/02/11/035327 77/02/11/035408 77/02/11/035439 77/02/11/035508 77/02/11/035539		IR2	77/02/12/011356			77/02/12/032124		IR2	77/02/14/012612
			11A149/026	IR3	77/02/12/011706	12A175/028	SUN	77/02/12/032614		IR1	77/02/14/013006
				IR2	77/02/12/012552	12A176/028	BLU	77/02/12/033318	11A201/029	CAL	77/02/14/013351
11A128/021	BB1	77/02/11/040415		IR1	77/02/12/012951	12A177/028	BLU	77/02/12/033650	11A202/029	BB1	77/02/12/013603
11A129/022	BB4	77/02/11/024514 77/02/11/024604 77/02/11/024659	11A150/026	SURV	77/02/12/013409	12A178/029	BLU	77/02/12/033500	11A203/029	BLU	77/02/12/014023
			11A151/026	SURV	77/02/12/013824	12A179/029	BLU	77/02/12/020056		GRN	77/02/12/014451
			12A152/026	BB2	77/02/12/014231 77/02/12/014324	12A180/029	BLU	77/02/12/020756		RED	77/02/12/014934
11A130/022	BB3	77/02/11/025159	12A153/026	BB4	77/02/12/014932	11A181/029	GRN	77/02/12/022102	11A204/029	IR3	77/02/12/015532
11A131/022	BB3	77/02/11/025732 77/02/11/025850			77/02/12/015033		RED	77/02/12/022644		IR2	77/02/12/020134
			11A154/027	BB4	77/02/13/223353 77/02/13/223437	11A182/029	BLU	77/02/12/023221	11A205/029	BLU	77/02/12/021313
11A132/022	BB1	77/02/11/030554 77/02/11/030702 77/02/11/030806 77/02/11/030900 77/02/11/031004			77/02/13/223519		GRN	77/02/12/023848		GRN	77/02/12/021923
			12A155/027	BB4	77/02/13/224046	12A183/029	BB4	77/02/12/024511		RED	77/02/12/022625
			11A156/027	BB4	77/02/13/224526 77/02/13/224623 77/02/13/224715	11A184/029	SUN	77/02/12/025754	11A206/029	IR3	77/02/12/023315
11A133/022	BB1	77/02/11/031453			77/02/13/225157	12A185/029	BB4	77/02/12/030306		IR2	77/02/12/023906
12A134/023	BLU	77/02/11/031917	11A157/027	BB4	77/02/13/225744	11A186/029	SUN	77/02/12/030905		IR1	77/02/12/024505
12A135/023	BB4	77/02/11/032657	11A158/027	BB4	77/02/13/230401	12A187/029	BB4	77/02/12/031532	11A207/029	BLU	77/02/12/025008
12A136/023	BB1	77/02/11/033447 77/02/11/033536 77/02/11/033624 77/02/11/033710 77/02/11/033750	11A159/027	BB3	77/02/13/230401	12A188/029	BB4	77/02/12/032131		GRN	77/02/12/025508
			12A160/027	BLU	77/02/13/231205 77/02/13/231833 77/02/13/232418	11A189/029	SUN	77/02/12/032732	11A208/029	IR3	77/02/12/030534
				GRN	77/02/13/232857	11A190/029	BLU	77/02/12/033137		IR2	77/02/12/031107
11A137/023	BB1	77/02/11/034238	11A161/027	BB1	77/02/13/233336		GRN	77/02/12/033639		IR1	77/02/12/031641
11A138/024	BB1	77/02/11/034824 77/02/11/034911	11A162/027	CAL	77/02/13/233910	11A191/029	RED	77/02/12/034014	11A209/029	BLU	77/02/12/032237
			12A163/027	BB1	77/02/13/234319		CAL	77/02/12/034314		GRN	77/02/12/033133
12A139/024	BB3	77/02/11/234949	12A164/027	BB4	77/02/13/234405	11A192/029	IR3	77/02/12/034913		RED	77/02/12/033623
12A140/024	BB2	77/02/11/235508 77/02/11/235552 77/02/11/235637 77/02/11/235716 77/02/11/235753			77/02/13/234405		IR2	77/02/12/035431	11A210/029	IR3	77/02/14/000339
			12A165/027	BB4	77/02/13/234812 77/02/13/234917	11A193/029	IR1	77/02/12/035854		IR2	77/02/14/001028
					77/02/13/235405		BLU	77/02/14/000519		IR1	77/02/14/001803
11A141/024	BB2	77/02/12/000129	11A166/028	BLU	77/02/12/015940		GRN	77/02/14/000836	12A211/029	BB4	77/02/14/002528
11A142/025	BB4	77/02/12/000651	12A167/028	BLU	77/02/12/020519 77/02/12/021038 77/02/12/021605	11A194/029	RED	77/02/14/001218		RED	77/02/14/002623
				GRN	77/02/12/021605		IR3	77/02/14/001538	12A212/029	BB4	77/02/14/003337
			12A168/028	BLU	77/02/12/022112		IR2	77/02/14/001917		IR1	77/02/14/003423
						11A195/029	IR1	77/02/14/002241	11A213/029	BLU	77/02/14/004044
							BLU	77/02/14/002644		GRN	77/02/14/004640
							GRN	77/02/14/003020		RED	77/02/14/005307
							RED	77/02/14/003355	11A214/029	IR3	77/02/14/010345

VL-1
IPL PICTURE IDENTIFIERS
(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID
11A214/029	IR2	77/02/14/011122	11A231/029	IR2	77/02/14/010442	12A252/031	BB1	77/02/14/014314	12B027/034	GRN	77/02/17/002325
	IR1	77/02/14/011756		IR1	77/02/14/011201	11A253/032	BB1	77/02/12/040651		RED	77/02/17/002832
11A215/029	BLU	77/02/14/012416	11A232/029	BLU	77/02/14/011928	11A254/032	BB4	77/02/12/041155	12B028/034	IR3	77/02/17/003301
	GRN	77/02/14/013106		GRN	77/02/14/012640			77/02/12/041242		IR2	77/02/17/003817
	RED	77/02/14/013700		RED	77/02/14/013312	12A255/032	BB4	77/02/12/041730		IR1	77/02/17/004329
11A216/029	IR3	77/02/14/014408	11A233/029	IR3	77/02/14/013849			77/02/12/041814	12B029/034	SURV	77/02/17/004720
	IR2	77/02/14/014847		IR2	77/02/14/014508	12B000/032	BB4	77/02/12/042250	12B030/034	BB2	77/02/17/005249
	IR1	77/02/14/015631		IR1	77/02/14/015111			77/02/12/042322	12B031/034	SURV	77/02/17/005716
11A217/029	BLU	77/02/14/020335	11A234/029	CAL	77/02/14/015730	11B001/032	IR2	77/02/12/042725	12B032/034	BLU	77/02/17/010511
	GRN	77/02/14/021110	12A235/029	BB4	77/02/14/020731	11B002/032	RED	77/02/12/043134		GRN	77/02/17/011341
	RED	77/02/14/021716			77/02/14/020807	11B003/032	BLU	77/02/12/043547		RED	77/02/17/011901
11A218/029	IR3	77/02/14/022415			77/02/14/020843	11B004/032	IR3	77/02/12/044124	12B033/034	IR3	77/02/17/012415
	IR2	77/02/14/023208			77/02/14/020916	11B005/032	IR1	77/02/12/044507		IR2	77/02/17/012955
	IR1	77/02/14/023905			77/02/14/021033	11B006/032	SURV	77/02/12/044801		IR1	77/02/17/013503
11A219/029	BLU	77/02/12/010254	12A236/030	BB1	77/02/12/034843	11B007/032	IR2	77/02/12/045039	12B034/034	SURV	77/02/17/013953
	GRN	77/02/12/010618	12A237/030	BB4	77/02/12/035414	11B008/032	RED	77/02/12/045321	12B035/034	CAL	77/02/17/014432
	RED	77/02/12/010957			77/02/12/035504	11B009/032	BLU	77/02/12/045602	11B036/034	BB4	77/02/17/015052
11A220/029	IR3	77/02/12/011326	12A238/030	BB2	77/02/12/035931	11B010/032	GRN	77/02/12/045857			77/02/17/015204
	IR2	77/02/12/011645			77/02/12/035959	11B011/032	IR2	77/02/12/050126	11B037/034	BB4	77/02/17/015918
	IR1	77/02/12/011957	12A239/030	BLU	77/02/12/040341	11B012/032	RED	77/02/12/050400			77/02/17/020008
11A221/029	BLU	77/02/12/012259		GRN	77/02/12/040848	11B013/032	BLU	77/02/12/050638	12B038/035	SURV	77/02/14/031346
	GRN	77/02/12/012628		RED	77/02/12/041259	11B014/032	CAL	77/02/12/051034	11B039/035	BLU	77/02/14/031824
	RED	77/02/12/013005	12A240/030	BLU	77/02/12/041758	11B015/033	BLU	77/02/12/051303		GRN	77/02/14/032346
11A222/029	IR3	77/02/12/013416			77/02/12/041836		GRN	77/02/12/051534		RED	77/02/14/032929
	IR2	77/02/12/013949		GRN	77/02/12/042459		RED	77/02/12/051803	11B040/035	IR3	77/02/14/033459
	IR1	77/02/12/014347			77/02/12/042544	12B016/033	BB3	77/02/12/052052		IR2	77/02/14/033951
11A223/029	BLU	77/02/12/014734		RED	77/02/12/043023			77/02/12/052118		IR1	77/02/14/034413
	GRN	77/02/12/015157			77/02/12/043108	12B017/033	BB1	77/02/12/052406	11B041/035	SURV	77/02/14/034939
	RED	77/02/12/015644	12A241/031	BB1	77/02/12/043521			77/02/12/052435	11B042/035	BLU	77/02/14/035355
11A224/029	IR3	77/02/12/020050	12A242/031	BB1	77/02/12/043928	11B018/034	BLU	77/02/16/145204		GRN	77/02/14/035741
	IR2	77/02/12/020509	12A243/031	BB2	77/02/12/044324		GRN	77/02/16/145443		RED	77/02/14/040409
	IR1	77/02/12/020936	12A244/031	BLU	77/02/13/235140		RED	77/02/16/145738	11B043/035	IR3	77/02/14/040818
11A225/029	BLU	77/02/12/021429		GRN	77/02/13/235641	11B019/034	BB2	77/02/16/150041		IR2	77/02/14/041124
	GRN	77/02/12/021932		RED	77/02/14/000212	11B020/034	BB2	77/02/16/150413		IR1	77/02/14/041554
	RED	77/02/12/022547	12A245/031	IR3	77/02/14/000943	12B021/034	BLU	77/02/16/150633	11B044/035	SURV	77/02/14/041945
11A226/029	CAL	77/02/12/023032		IR2	77/02/14/001637		GRN	77/02/16/150912	11B045/035	BLU	77/02/14/042403
11A227/029	IR3	77/02/12/023508		IR1	77/02/14/002345		RED	77/02/16/151154		GRN	77/02/14/042918
	IR2	77/02/12/023948	12A246/031	SURV	77/02/14/003013	12B022/034	IR3	77/02/16/151450		RED	77/02/14/043347
	IR1	77/02/12/024400	12A247/031	BLU	77/02/14/003723		IR2	77/02/16/151824	11B046/035	IR3	77/02/14/043711
11A228/029	BLU	77/02/13/235614		GRN	77/02/14/004433		IR1	77/02/16/152239		IR2	77/02/14/044054
	GRN	77/02/14/000134		RED	77/02/14/005227	12B023/034	SURV	77/02/16/152528		IR1	77/02/14/044454
	RED	77/02/14/000914	12A248/031	IR3	77/02/14/010231	12B024/034	BLU	77/02/16/152813	11B047/035	SURV	77/02/14/044712
11A229/029	IR3	77/02/14/001531		IR2	77/02/14/010720		GRN	77/02/16/153823	11B048/035	CAL	77/02/14/044927
	IR2	77/02/14/002245		IR1	77/02/14/011352	12B025/034	RED	77/02/16/154407	12B049/035	SURV	77/02/14/051706
	IR1	77/02/14/002947	12A249/031	SURV	77/02/14/012029		IR3	77/02/16/154809			77/02/14/051739
11A230/029	BLU	77/02/14/003705	11A250/031	BB4	77/02/14/012801		IR2	77/02/16/155028	11B050/035	BB1	77/02/14/052219
	GRN	77/02/14/004416			77/02/14/012852		IR1	77/02/16/155254			77/02/14/052338
	RED	77/02/14/005219	11A251/031	BB4	77/02/14/013541	12B026/034	SURV	77/02/16/155553	11B051/036	BB4	77/02/14/052845
11A231/029	IR3	77/02/14/005923			77/02/14/013623	12B027/034	BLU	77/02/17/001830	11B052/036	BB3	77/02/14/053340

VL-1
IPL PICTURE IDENTIFIERS
(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID
11B052/036	BB3	77/02/14/053448	12B079/040	SURV	77/02/13/183310	12B100/041	BB2	77/02/13/200729	12B125/045	GRN	77/02/13/221248
		77/02/14/053618	12B080/040	IR3	77/02/13/183735	12B101/041	RED	77/02/13/201529		RED	77/02/13/221827
11B053/036	BB1	77/02/14/054048		IR2	77/02/13/184301			77/02/13/201621	11B126/046	BB3	77/02/13/222357
12B054/036	BB3	77/02/14/054931		IR1	77/02/13/184906	11B102/041	RED	77/02/13/202059	12B127/047	IR3	77/02/13/223556
		77/02/14/055043	12B081/040	BLU	77/02/13/185454			77/02/13/202152		IR2	77/02/13/224118
12B055/036	BB2	77/02/14/055442		GRN	77/02/13/190335	12B103/041	BB3	77/02/13/202646		IR1	77/02/13/224824
12B056/036	BB3	77/02/14/055928		RED	77/02/13/190910	12B104/041	BB3	77/02/13/203055	12B128/049	BB3	77/02/13/225612
12B057/036	BB1	77/02/14/060400	12B082/040	BLU	77/02/13/191424	12B105/041	BLU	77/02/13/203513	11B129/050	BB3	77/02/13/230314
11B058/036	BB2	77/02/14/060921		GRN	77/02/13/191817			77/02/13/203832	11B130/051	BB3	77/02/13/230920
		77/02/14/061011		RED	77/02/13/192217			77/02/13/204152	11B131/051	BB1	77/02/13/231543
11B059/036	BB1	77/02/14/061348	12B083/040	IR3	77/02/13/192605	12B106/041	BB3	77/02/13/204650	11B132/051	BB1	77/02/13/232230
		77/02/14/061444		IR2	77/02/13/192938	12B107/041	BLU	77/02/13/204943	11B133/051	CAL	77/02/13/232843
12B060/037	BB1	77/02/14/014122		IR1	77/02/13/193338			77/02/13/205304	12B134/051	BB1	77/02/13/233524
11B061/037	BLU	77/02/14/014607	12B084/040	SURV	77/02/13/193657			77/02/13/205657	12B135/051	BB1	77/02/15/002630
		77/02/14/014702	12B085/040	BLU	77/02/14/022627	12B108/041	BB4	77/02/13/205954	12B136/051	CAL	77/02/15/003145
12B062/037	BLU	77/02/14/015046		GRN	77/02/14/023309	12B109/041	SUN	77/02/13/210335	11B137/052	BB3	77/02/15/003721
		77/02/14/015132		RED	77/02/14/023959	12B110/041	BB2	77/02/13/210730	12B138/053	BB2	77/02/15/004136
12B063/038	BB4	77/02/14/015514	12B086/040	IR3	77/02/14/024519			77/02/13/210827	11B139/054	BB3	77/02/15/004435
		77/02/14/015628		IR2	77/02/14/025236	12B111/041	BB3	77/02/13/211431	11B140/055	BB2	77/02/15/004932
11B064/038	BB4	77/02/14/020024		IR1	77/02/14/025808			77/02/13/211513	12B141/057	BLU	77/02/15/005409
12B065/038	BB1	77/02/14/020411	12B087/040	SURV	77/02/14/030435			77/02/13/211557		GRN	77/02/15/005834
12B066/038	SURV	77/02/14/021005	11B088/040	BLU	77/02/14/015326	12B112/041	BB3	77/02/13/211945		RED	77/02/15/010129
		77/02/14/021058		GRN	77/02/14/020029			77/02/13/212015	11B142/057	BB3	77/02/15/010425
11B067/038	BB1	77/02/14/021542		RED	77/02/14/020657	12B113/041	SUN	77/02/13/212317	11B143/058	BLU	77/02/15/010928
		77/02/14/021631	11B089/040	IR3	77/02/14/021114	12B114/041	BLU	77/02/13/212646		GRN	77/02/15/011240
11B068/039	BB4	77/02/14/022000		IR2	77/02/14/021718			77/02/13/212949		RED	77/02/15/011543
12B069/039	BLU	77/02/14/022342		IR1	77/02/14/022406	12B115/041	BLU	77/02/13/213228	11B144/059	BB2	77/02/15/012004
		77/02/14/022438	11B090/040	SURV	77/02/14/023229			77/02/14/031927	11B145/060	IR3	77/02/15/012336
	GRN	77/02/14/022759	11B091/040	BLU	77/02/14/023919			77/02/14/032316		IR2	77/02/15/012648
		77/02/14/022834		GRN	77/02/14/024436			77/02/14/032735		IR1	77/02/15/013038
	RED	77/02/14/023352		RED	77/02/14/025035	12B116/041	BLU	77/02/14/033152	12B146/061	SUN	77/02/13/214706
		77/02/14/023424	11B092/040	IR3	77/02/14/025854			77/02/14/033517	12B147/062	BLU	77/02/13/215219
12B070/039	IR3	77/02/14/023746		IR2	77/02/14/030535			77/02/14/033946		GRN	77/02/13/215702
		77/02/14/023858		IR1	77/02/14/031042	11B117/042	BB3	77/02/14/034501		RED	77/02/13/220249
	IR2	77/02/14/024327	11B093/040	BB2	77/02/14/031652	12B118/042	GRN	77/02/14/034903	11B148/063	BB3	77/02/13/220721
		77/02/14/024416	11B094/040	SURV	77/02/14/032401			77/02/14/034951	11B149/065	BB3	77/02/13/221222
	IR1	77/02/14/024746			77/02/14/032446	11B119/042	GRN	77/02/14/035742	12B150/065	BLU	77/02/13/221756
		77/02/14/024824	11B095/040	BLU	77/02/14/033215			77/02/14/035850		GRN	77/02/13/222326
12B071/039	SURV	77/02/14/025144			77/02/14/033305	11B120/042	BB3	77/02/14/040334		RED	77/02/13/222901
		77/02/14/025250	12B096/040	BB3	77/02/14/034202			77/01/14/040425	11B151/066	BB3	77/02/13/223331
12B072/039	BLU	77/02/14/025850			77/02/14/034320			77/02/14/040534	12B152/067	IR3	77/02/13/224101
		77/02/14/025956			77/02/14/034436			77/02/14/040632		IR2	77/02/13/224740
11B073/039	BB3	77/02/14/030324	11B097/040	BB3	77/02/14/035109	12B121/043	RED	77/02/13/214602		IR1	77/02/13/225434
		77/02/14/030410			77/02/14/035157			77/02/13/214646	12B153/069	BB3	77/02/13/230052
12B074/040	BLU	77/02/13/180356			77/02/14/035259	11B122/043	RED	77/02/13/215202	11B154/070	BB3	77/02/13/230718
12B075/040	BLU	77/02/13/180935			77/02/14/035351			77/02/13/215238	11B155/071	BB3	77/02/13/231316
11B076/040	BB2	77/02/13/181539	11B098/040	BB4	77/02/14/035840	11B123/043	BB3	77/02/13/215741	11B156/071	BB1	77/02/13/231833
12B077/040	BB2	77/02/13/182120			77/02/14/035927	11B124/045	BB3	77/02/13/220319	11B157/071	BB1	77/02/13/232428
11B078/040	BB1	77/02/13/182647	11B099/040	BB3	77/02/14/040520	12B125/045	BLU	77/02/13/220753	11B158/071	CAL	77/02/13/233103

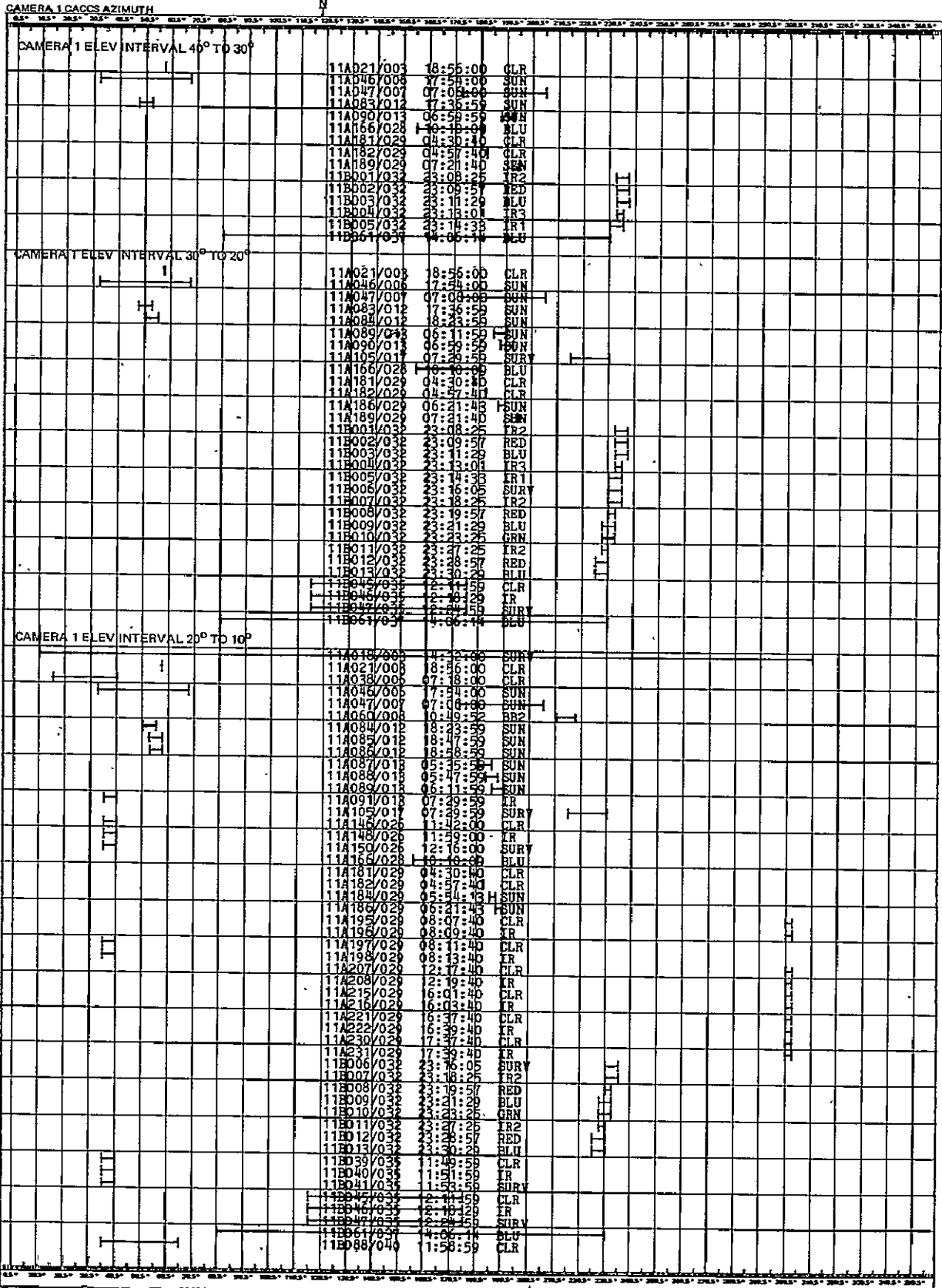
VL-1
IPL PICTURE IDENTIFIERS
(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID
12B159/071	BB1	77/02/13/233730	11B193/098	GRN	77/02/14/055151
12B160/071	BB1	77/02/14/052341		RED	77/02/14/055641
12B161/071	CAL	77/02/14/052825	11B194/100	BB3	77/02/14/060125
11B162/072	BB3	77/02/14/053303	11B195/100	IR3	77/02/14/060753
12B163/073	BB2	77/02/14/053727		IR2	77/02/14/061427
11B164/074	BB3	77/02/14/054205		IR1	77/02/14/061758
11B165/075	BB2	77/02/14/054551	12B196/101	SUN	77/02/14/062127
12B166/076	BLU	77/02/14/054944	12B197/101	SUN	77/02/14/062458
	GRN	77/02/14/055401	12B198/102	BLU	77/02/14/062829
	RED	77/02/14/055820		GRN	77/02/14/063153
11B167/077	BB3	77/02/14/060239		RED	77/02/14/063438
11B168/078	BLU	77/02/14/061133			
	GRN	77/02/14/061504			
	RED	77/02/14/061840			
11B169/079	BB2	77/02/14/062216			
11B170/080	IR3	77/02/14/062544			
	IR2	77/02/14/062913			
	IR1	77/02/14/063232			
12B171/081	SUN	77/02/13/221413			
12B172/082	BLU	77/02/13/221727			
	GRN	77/02/13/222057			
	RED	77/02/13/222522			
11B173/083	BB3	77/02/13/222857			
11B174/085	BB3	77/02/13/223313			
12B175/085	BLU	77/02/13/223717			
	GRN	77/02/13/224126			
	RED	77/02/13/224604			
11B176/086	BB3	77/02/13/225015			
12B177/087	IR3	77/02/13/225544			
	IR2	77/02/13/225935			
	IR1	77/02/13/230338			
12B178/089	BB3	77/02/13/230722			
11B179/090	BB3	77/02/13/231107			
11B180/091	BB2	77/02/13/231453			
11B181/091	BB1	77/02/13/231903			
11B182/091	BB1	77/02/13/232314			
11B183/091	CAL	77/02/13/232735			
12B184/091	BB1	77/02/13/233146			
12B185/091	BB1	77/02/13/233708			
12B186/091	CAL	77/02/13/234129			
11B187/092	BB3	77/02/13/234539			
12B188/093	BB2	77/02/13/234925			
11B189/094	BB3	77/02/13/235349			
11B190/095	BB2	77/02/14/052343			
12B191/096	BLU	77/02/14/052818			
	GRN	77/02/14/053250			
	RED	77/02/14/053806			
11B192/097	BB3	77/02/14/054300			
11B193/098	BLU	77/02/14/054716			

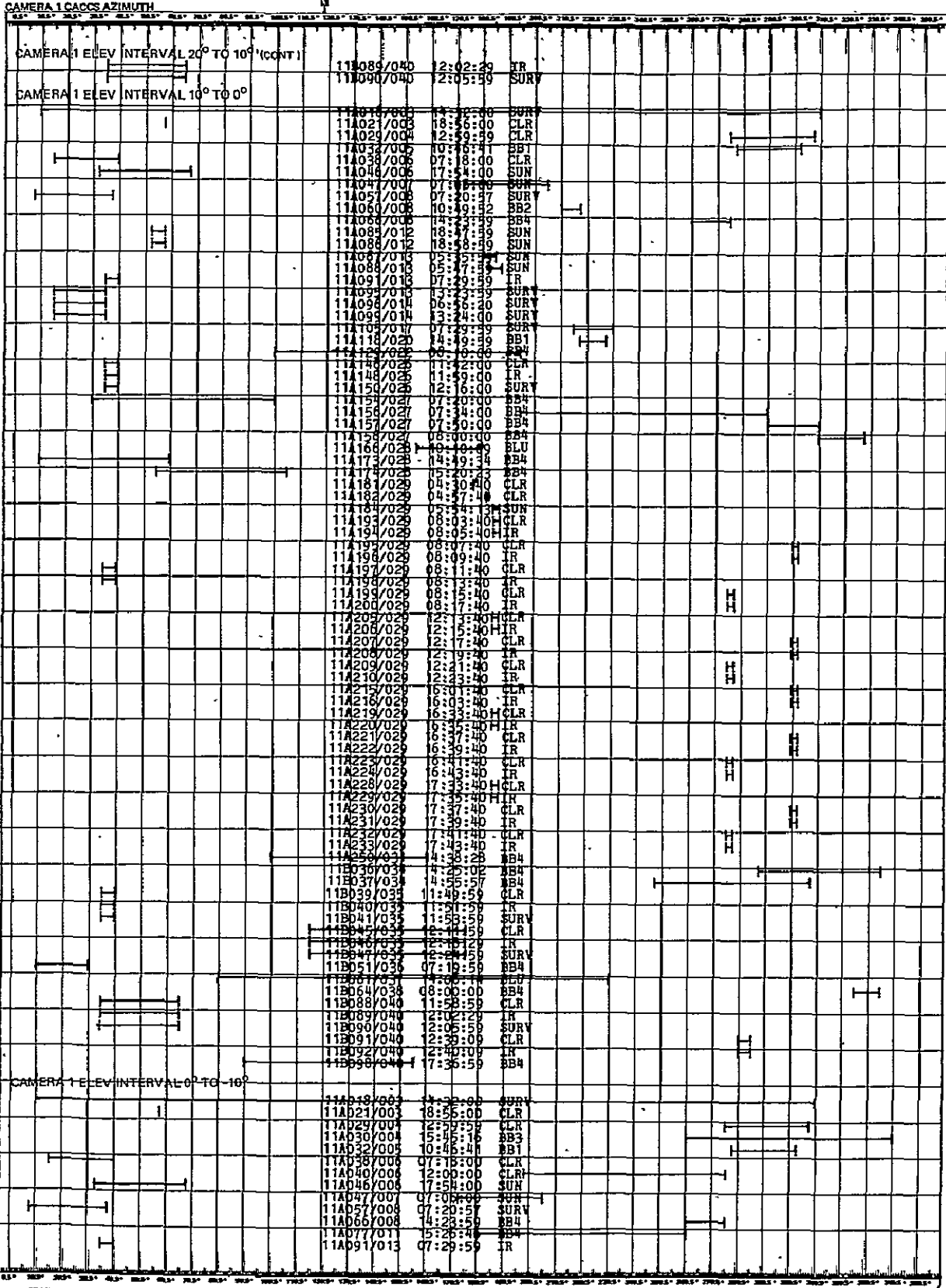
VL-1 ELEVATION COVERAGE CHARTS

VL-1 Elevation Coverage Charts

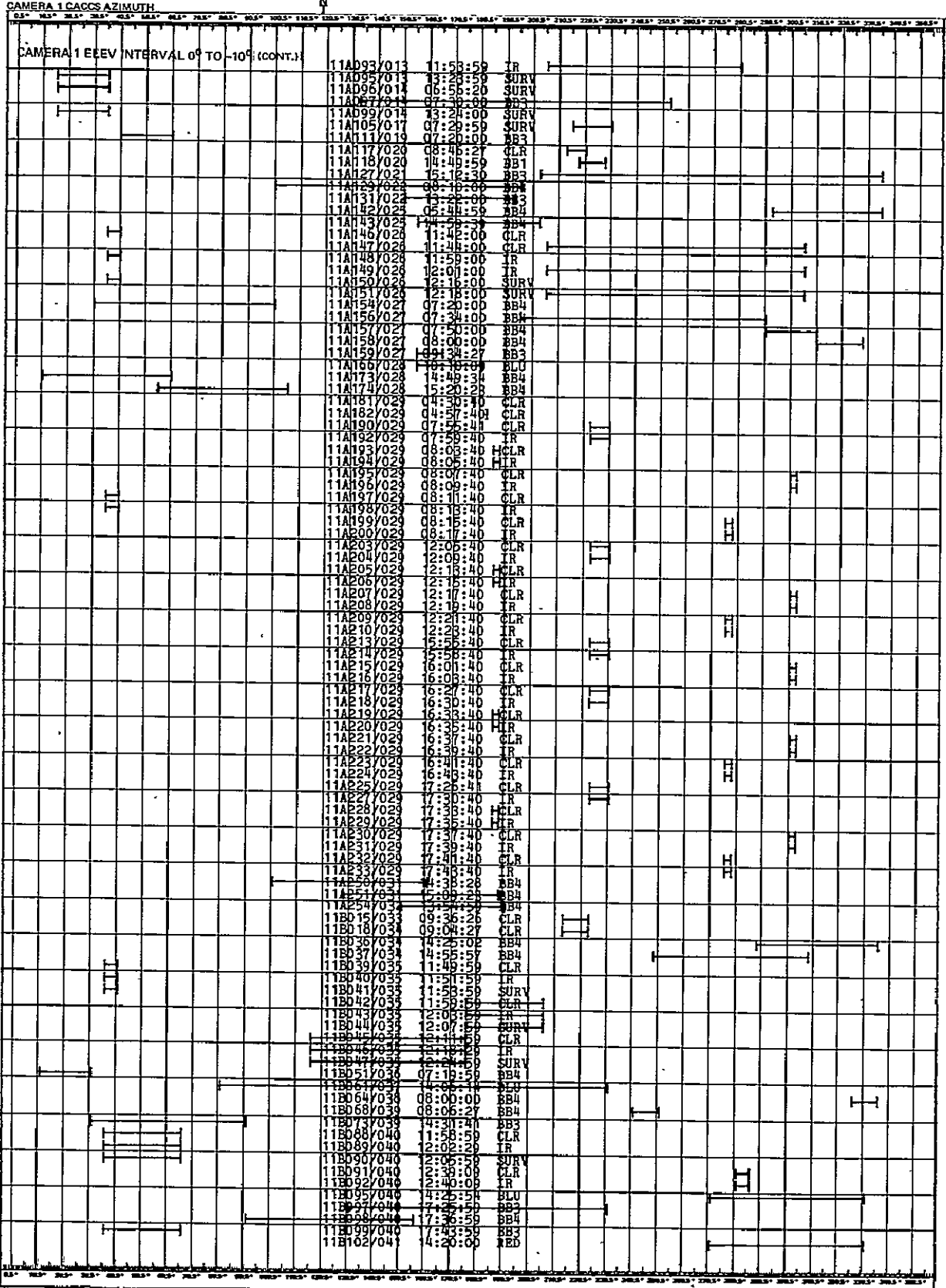
VI-1 CAMERA 1 ELEVATION COVERAGE CHART



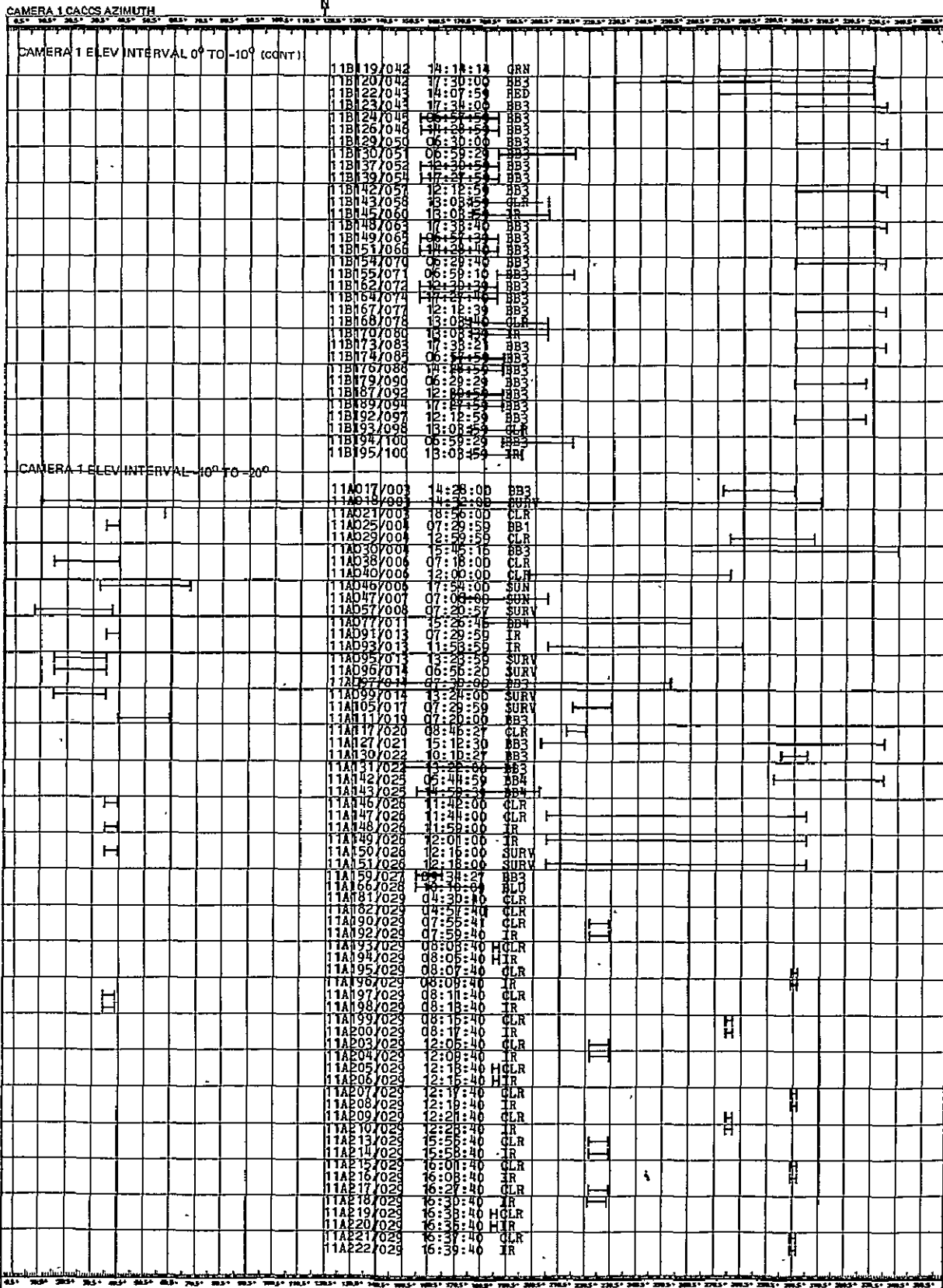
VI-1
CAMERA 1 ELEVATION COVERAGE CHART



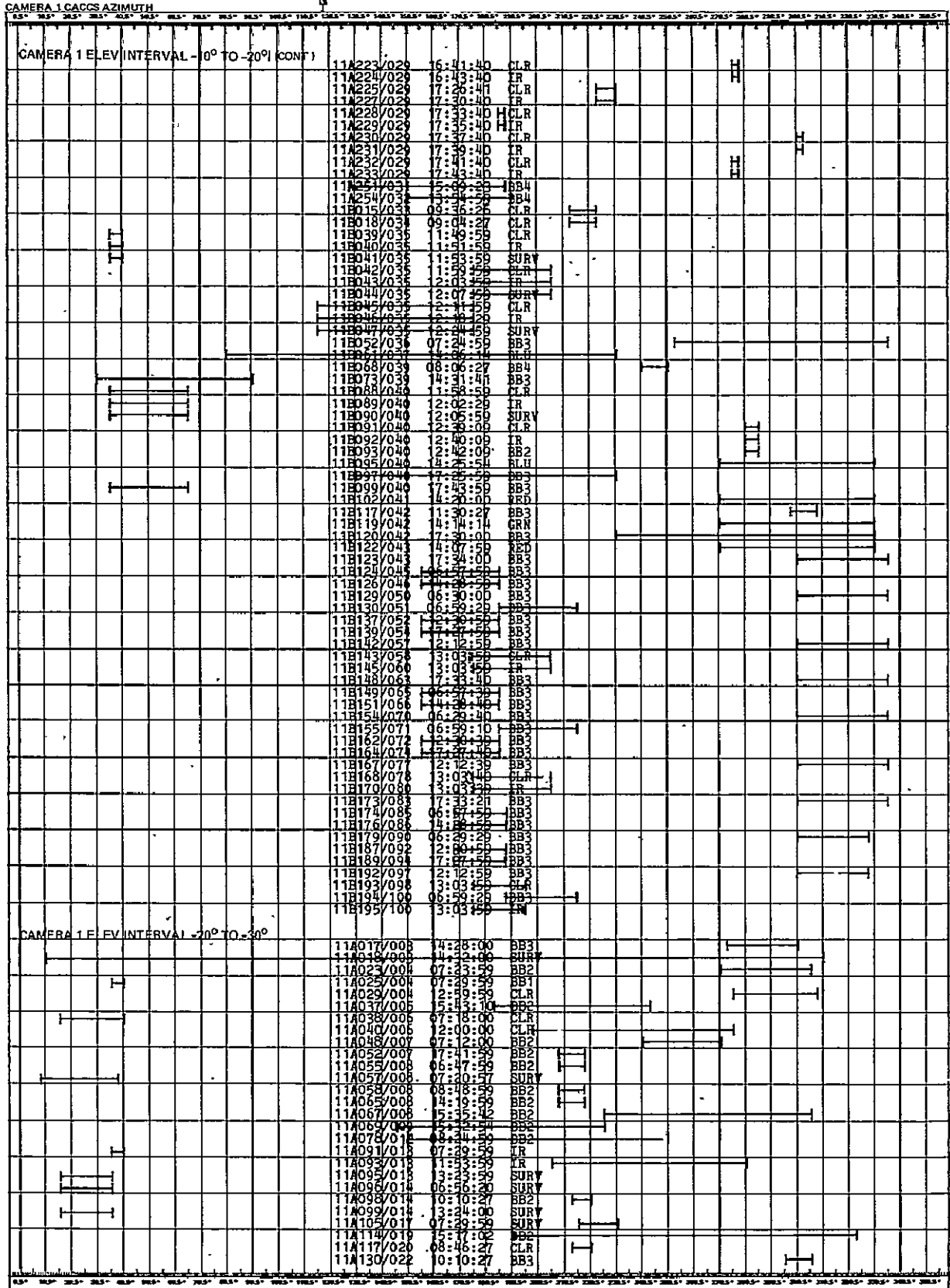
VI-1 CAMERA 1 ELEVATION COVERAGE CHART



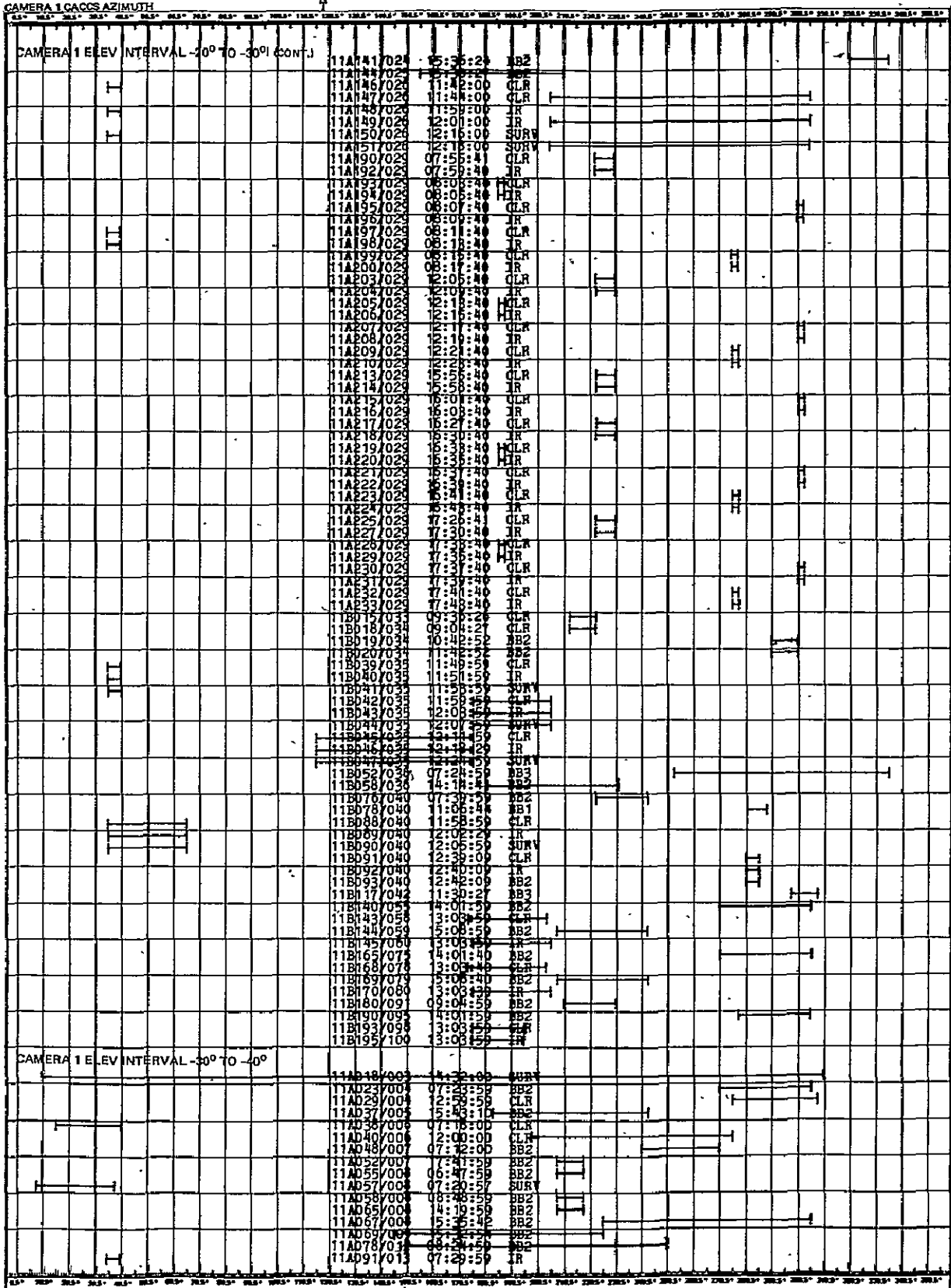
VL-1 CAMERA 1 ELEVATION COVERAGE CHART



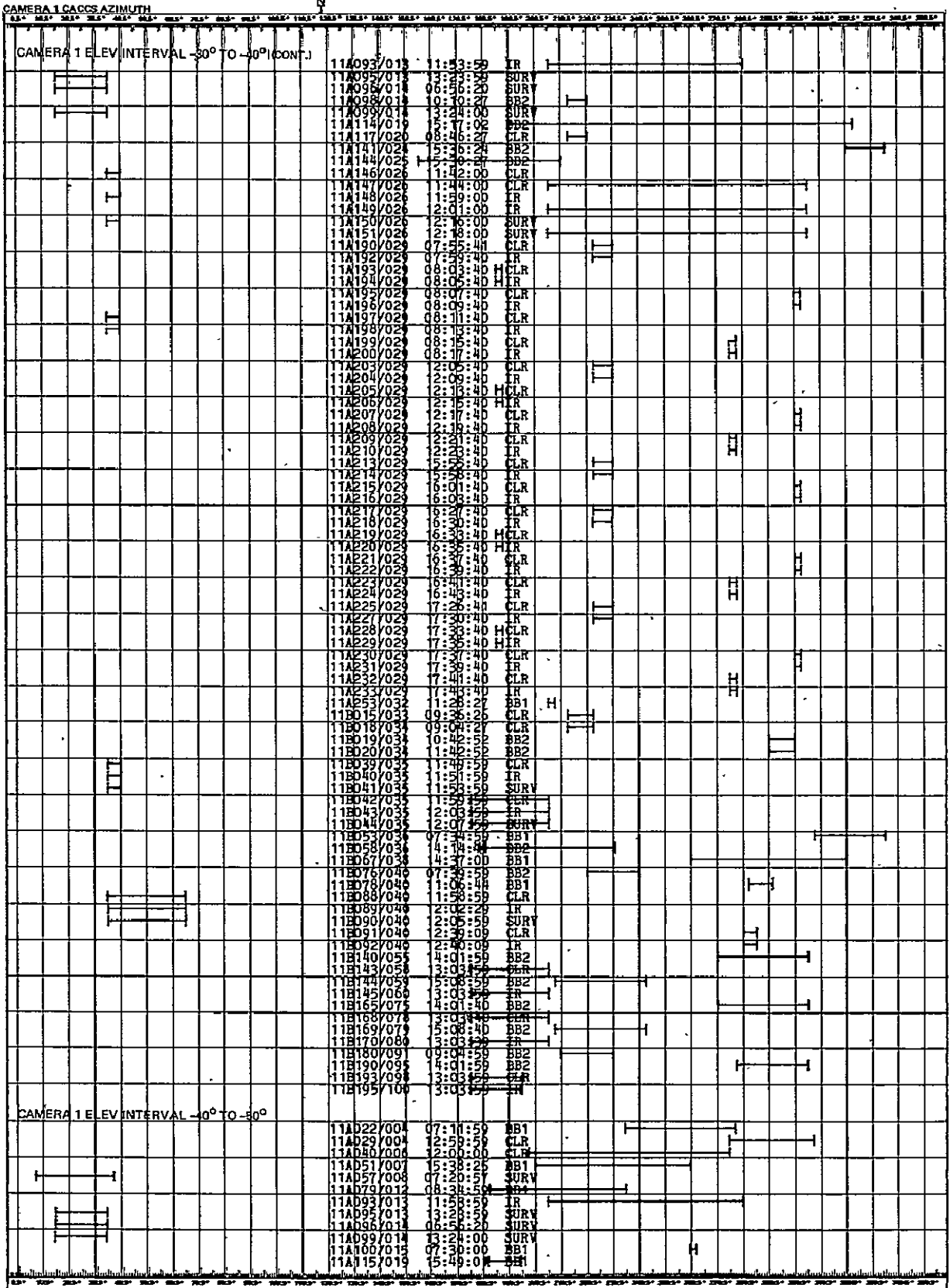
VL-1 CAMERA 1 ELEVATION COVERAGE CHART



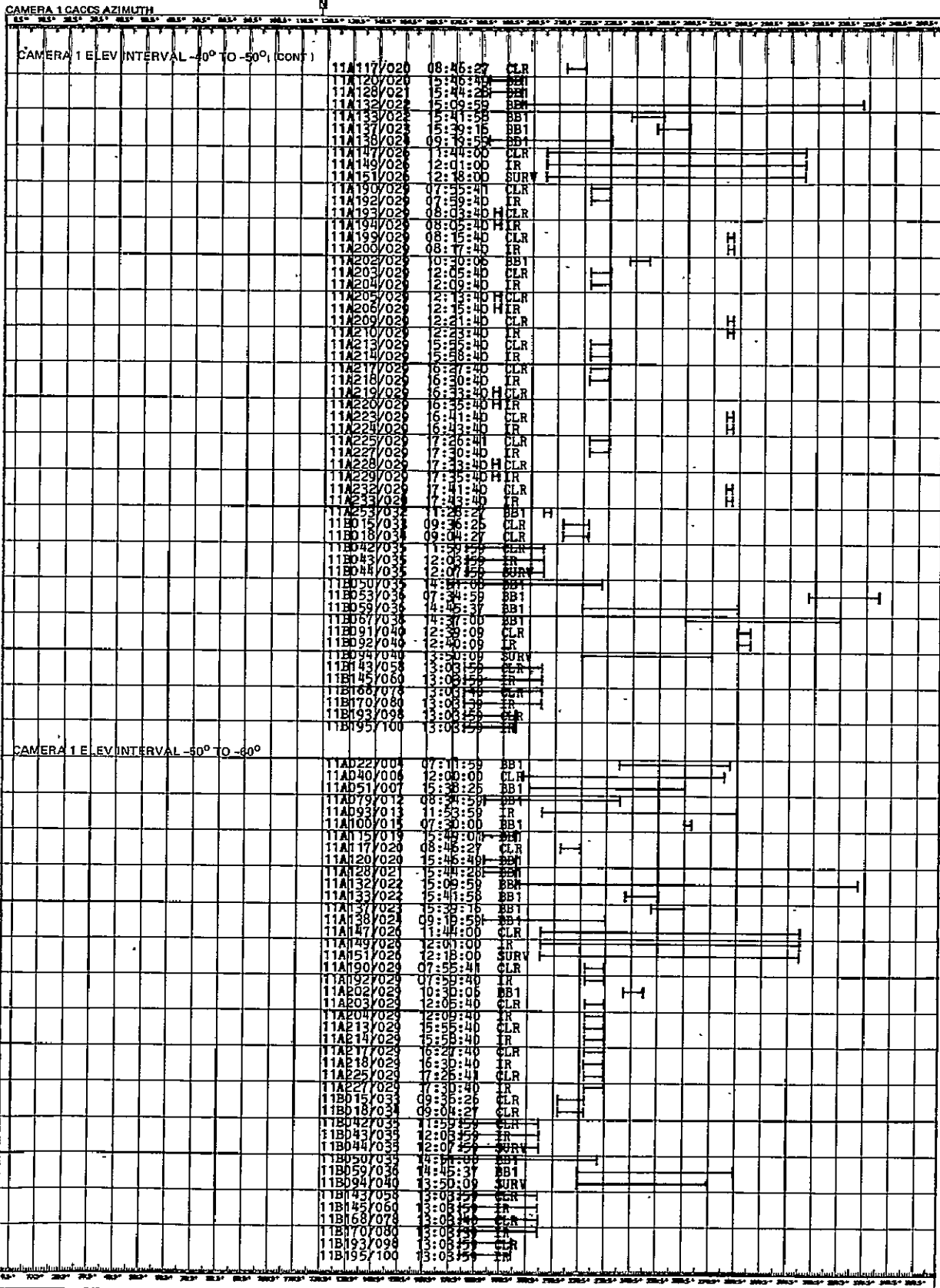
VL-1
CAMERA 1 ELEVATION COVERAGE CHART



VL-1
CAMERA 1 ELEVATION COVERAGE CHART



VL-1
CAMERA 1 ELEVATION COVERAGE CHART



VL-1
CAMERA 2 ELEVATION COVERAGE CHART

CAMERA 2 CACCS AZIMUTH

45° 145° 245° 345° 445° 545° 645° 745° 845° 945° 1045° 1145° 1245° 1345° 1445° 1545° 1645° 1745° 1845° 1945° 2045° 2145° 2245° 2345° 2445° 2545° 2645° 2745° 2845° 2945° 3045° 3145° 3245° 3345° 3445° 3545°

N

CAMERA 2 ELEV INTERVAL 40° TO 30°

12A121/020	17:07:59	BLU		
12A122/020	17:11:59	TRF		
12A175/028	21:51:07	BLU		
12A176/028	21:51:30	BLU		
12A177/028	22:11:46	BLU		
12A178/029	00:01:40	BLU		
12A179/029	02:01:40	BLU		
12A180/029	04:01:40	BLU		
12B002/034	12:36:00	CLR		
12B025/034	12:36:00	TRF		
12B026/034	12:48:00	SUN		
12B042/037	14:42:00	BLU		
12B069/039	12:59:59	CLR		
12B070/039	13:11:59	TRF		
12B071/039	13:23:59	SUN		
12B074/040	00:44:25	BLU		
12B075/040	01:04:17	BLU		
12B109/041	17:19:59	SUN		
12B113/041	17:51:59	SUN		
12B114/041	19:04:59	CLR		
12B115/041	19:31:59	CLR		
12B116/041	19:58:59	CLR		
12B146/061	17:15:14	SUN		
12B147/062	16:27:59	CLR		
12B171/081	17:14:54	SUN		
12B172/082	16:27:40	CLR		
12B198/102	16:27:59	CLR		

CAMERA 2 ELEV INTERVAL 30° TO 20°

12A121/020	17:07:59	BLU		
12A122/020	17:11:59	TRF		
12A175/028	21:51:07	SUN		
12A176/028	21:51:30	BLU		
12A177/028	22:11:46	BLU		
12A178/029	00:01:40	BLU		
12A179/029	02:01:40	BLU		
12A180/029	04:01:40	BLU		
12B025/034	12:36:00	CLR		
12B026/034	12:48:00	SUN		
12B042/037	14:42:00	BLU		
12B069/039	12:59:59	CLR		
12B070/039	13:11:59	TRF		
12B071/039	13:23:59	SUN		
12B074/040	00:44:25	BLU		
12B075/040	01:04:17	BLU		
12B109/041	17:19:59	SUN		
12B113/041	17:51:59	SUN		
12B114/041	19:04:59	CLR		
12B115/041	19:31:59	CLR		
12B116/041	19:58:59	CLR		
12B146/061	17:15:14	SUN		
12B147/062	16:27:59	CLR		
12B171/081	17:14:54	SUN		
12B172/082	16:27:40	CLR		
12B196/101	17:15:14	SUN		
12B197/101	17:41:14	SUN		
12B198/102	16:27:59	CLR		

CAMERA 2 ELEV INTERVAL 20° TO 10°

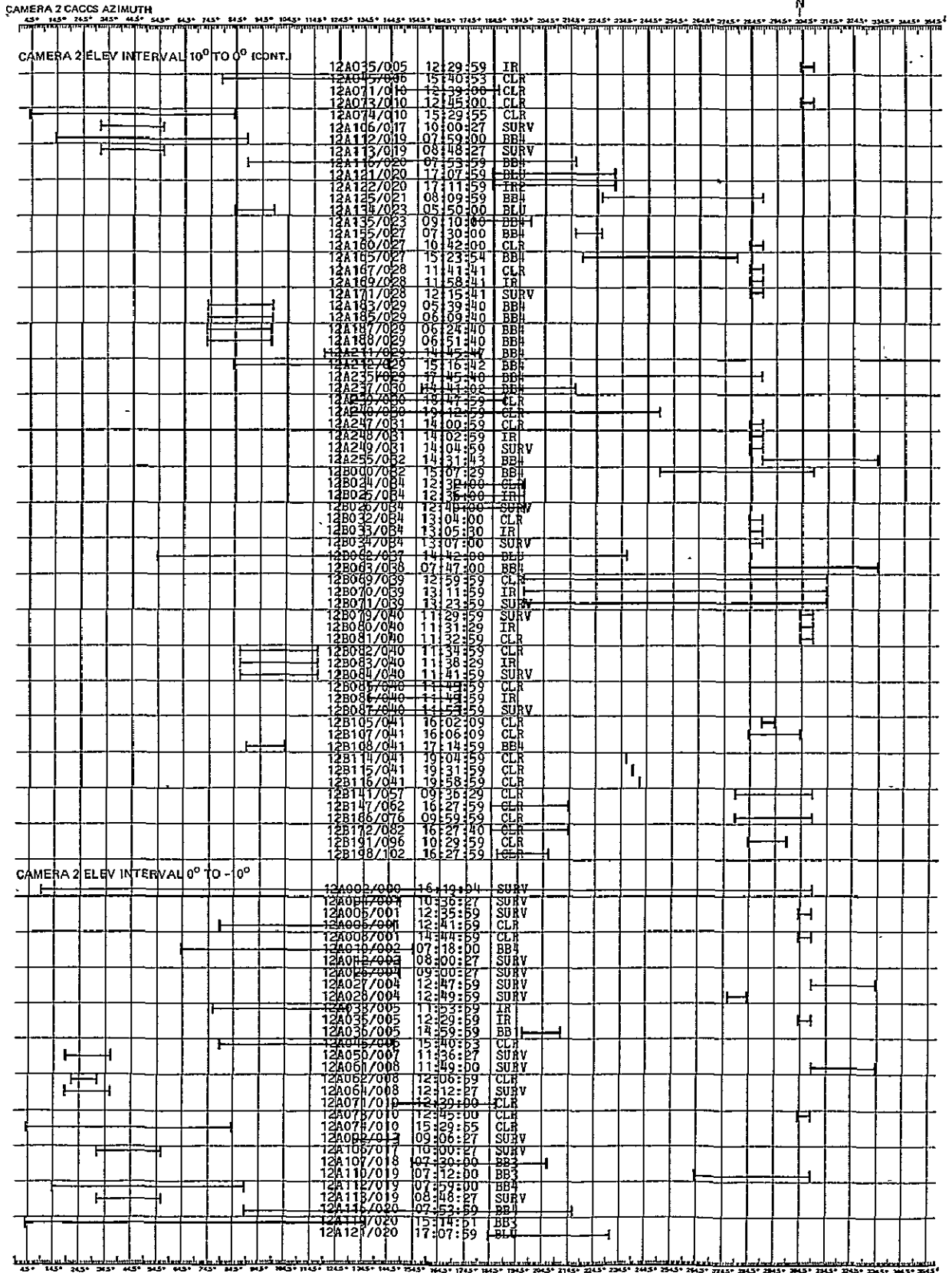
12A002/000	16:19:04	SUN		
12A005/001	12:35:59	SUN		
12A008/001	14:44:59	CLR		
12A028/004	12:49:59	SUN		
12A035/005	12:29:59	TRF		
12A073/010	12:45:00	CLR		
12A074/010	15:29:55	CLR		
12A106/017	10:00:27	SUN		
12A113/019	08:48:27	SUN		
12A121/020	17:07:59	BLU		
12A122/020	17:11:59	TRF		
12A134/023	05:50:00	BLU		
12A175/028	21:51:07	SUN		
12A176/028	21:51:30	BLU		
12A177/028	22:11:46	BLU		
12A178/029	00:01:40	BLU		
12B025/034	12:36:00	CLR		
12B026/034	12:48:00	SUN		
12B042/037	14:42:00	BLU		
12B069/039	12:59:59	CLR		
12B070/039	13:11:59	TRF		
12B071/039	13:23:59	SUN		
12B074/040	00:44:25	BLU		
12B075/040	01:04:17	BLU		
12B109/041	17:19:59	SUN		
12B113/041	17:51:59	SUN		
12B114/041	19:04:59	CLR		
12B115/041	19:31:59	CLR		
12B116/041	19:58:59	CLR		
12B146/061	17:15:14	SUN		
12B147/062	16:27:59	CLR		
12B166/076	09:59:59	CLR		
12B172/082	16:27:40	CLR		
12B191/096	10:29:59	CLR		
12B196/101	17:15:14	SUN		
12B197/101	17:41:14	SUN		
12B198/102	16:27:59	CLR		

CAMERA 2 ELEV INTERVAL 10° TO 0°

12A002/000	16:19:04	SUN		
12A005/001	12:35:59	SUN		
12A008/001	14:44:59	CLR		
12A028/004	12:49:59	SUN		

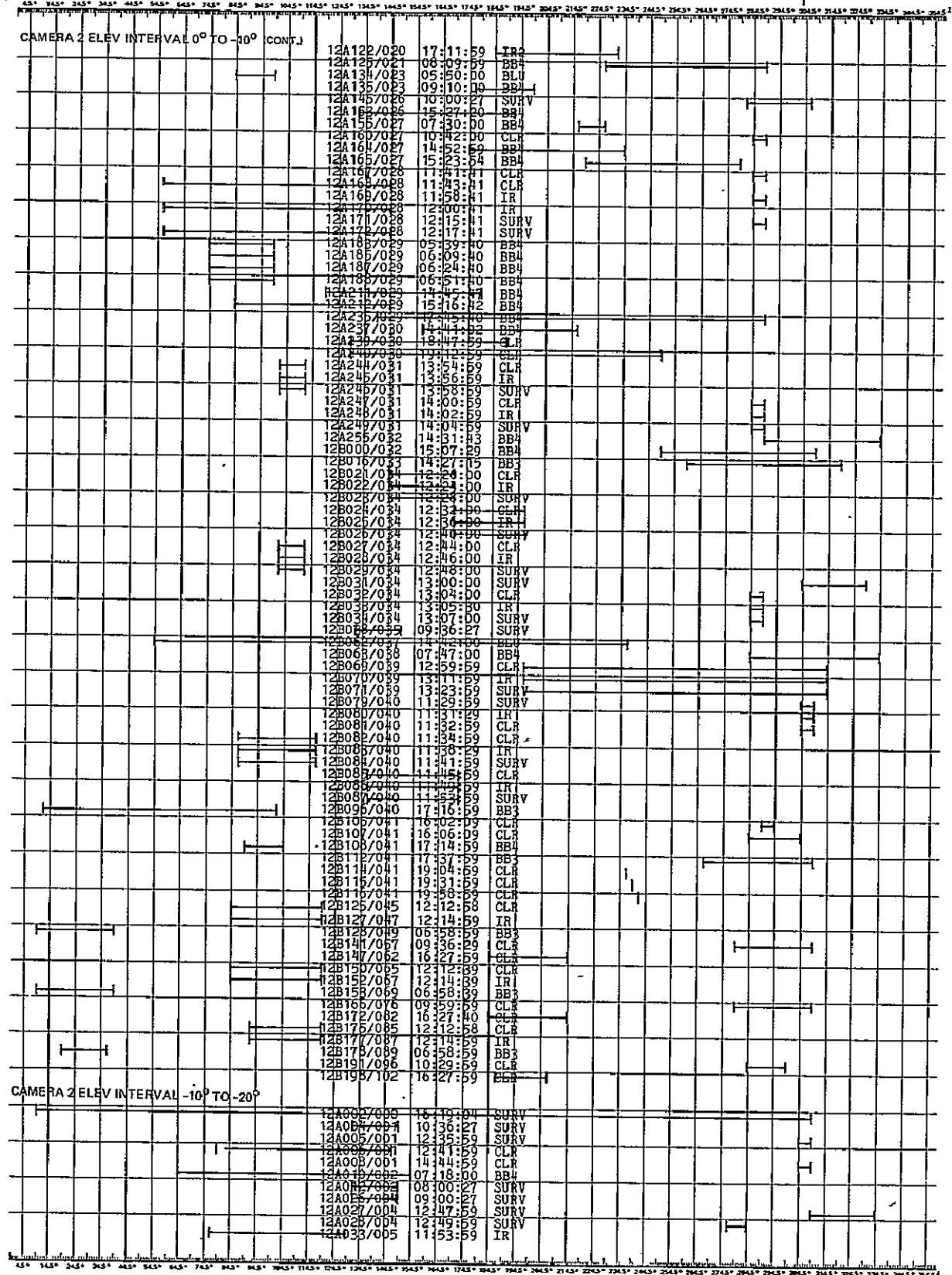
45° 145° 245° 345° 445° 545° 645° 745° 845° 945° 1045° 1145° 1245° 1345° 1445° 1545° 1645° 1745° 1845° 1945° 2045° 2145° 2245° 2345° 2445° 2545° 2645° 2745° 2845° 2945° 3045° 3145° 3245° 3345° 3445° 3545°

VL-1
CAMERA 2 ELEVATION COVERAGE CHART



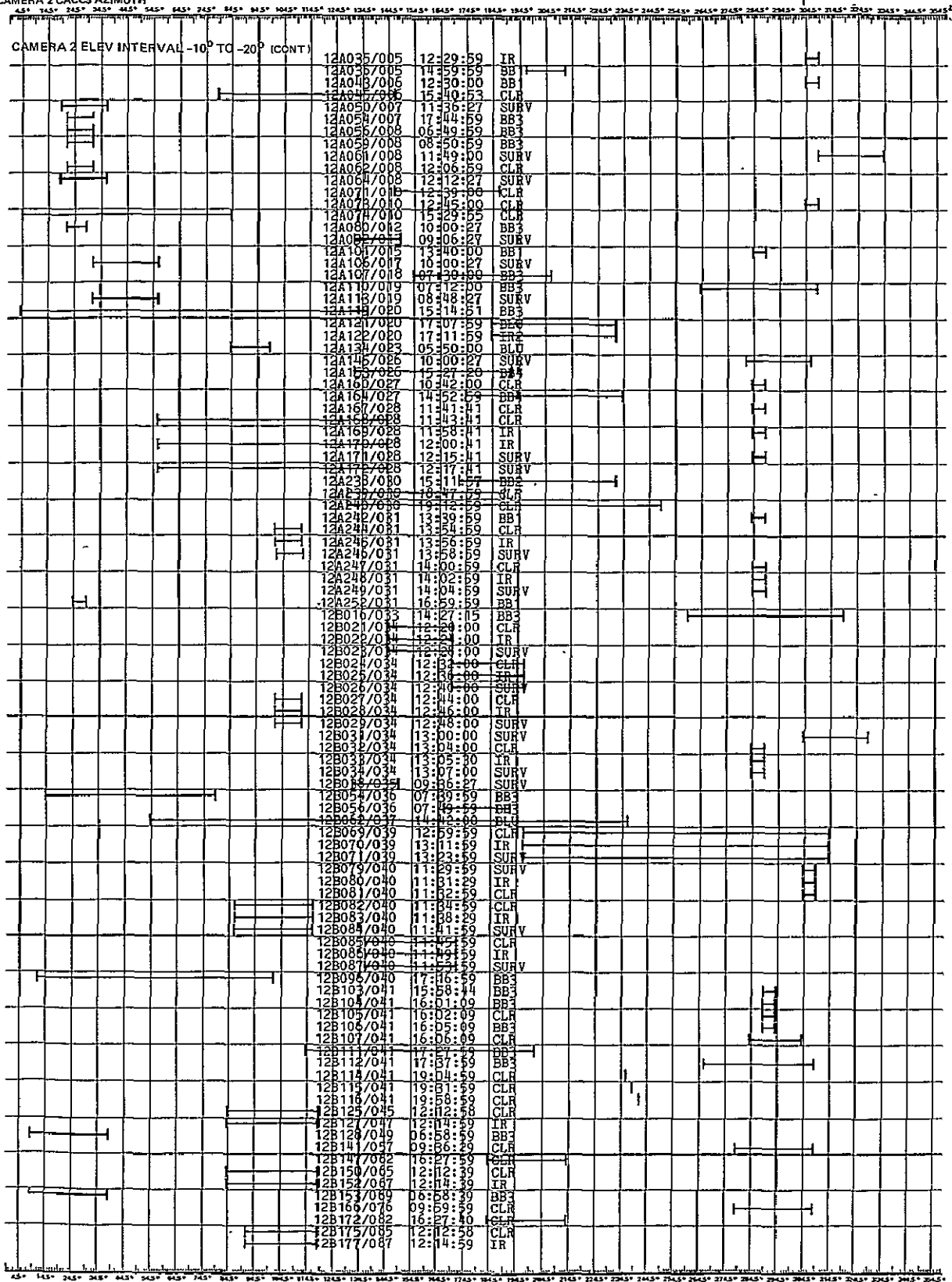
VL-1
CAMERA 2 ELEVATION COVERAGE CHART

CAMERA 2 CACCS AZIMUTH



VI-1 CAMERA 2 ELEVATION COVERAGE CHART

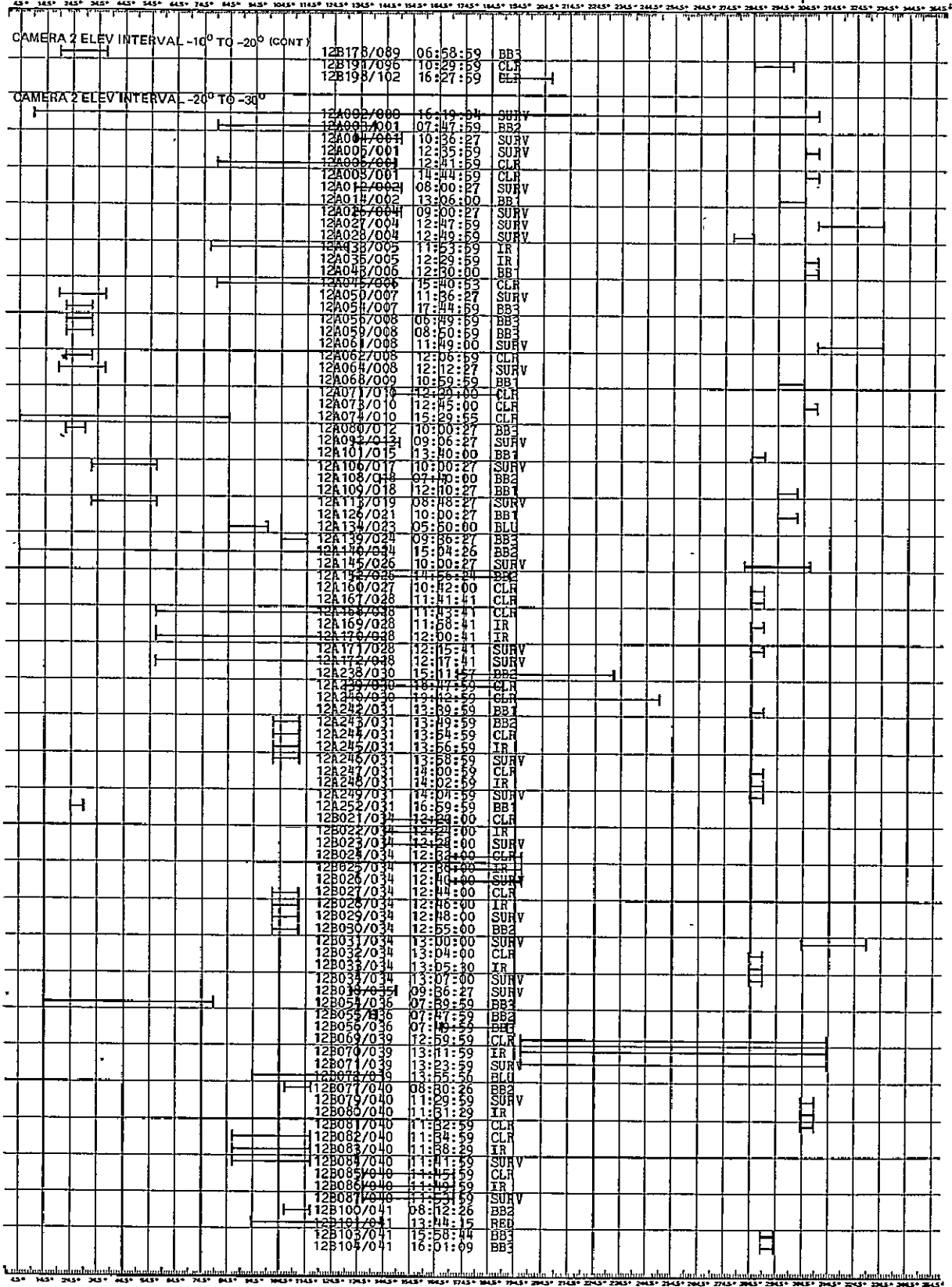
CAMERA 2 CACS AZIMUTH



VI-1
CAMERA 2 ELEVATION COVERAGE CHART

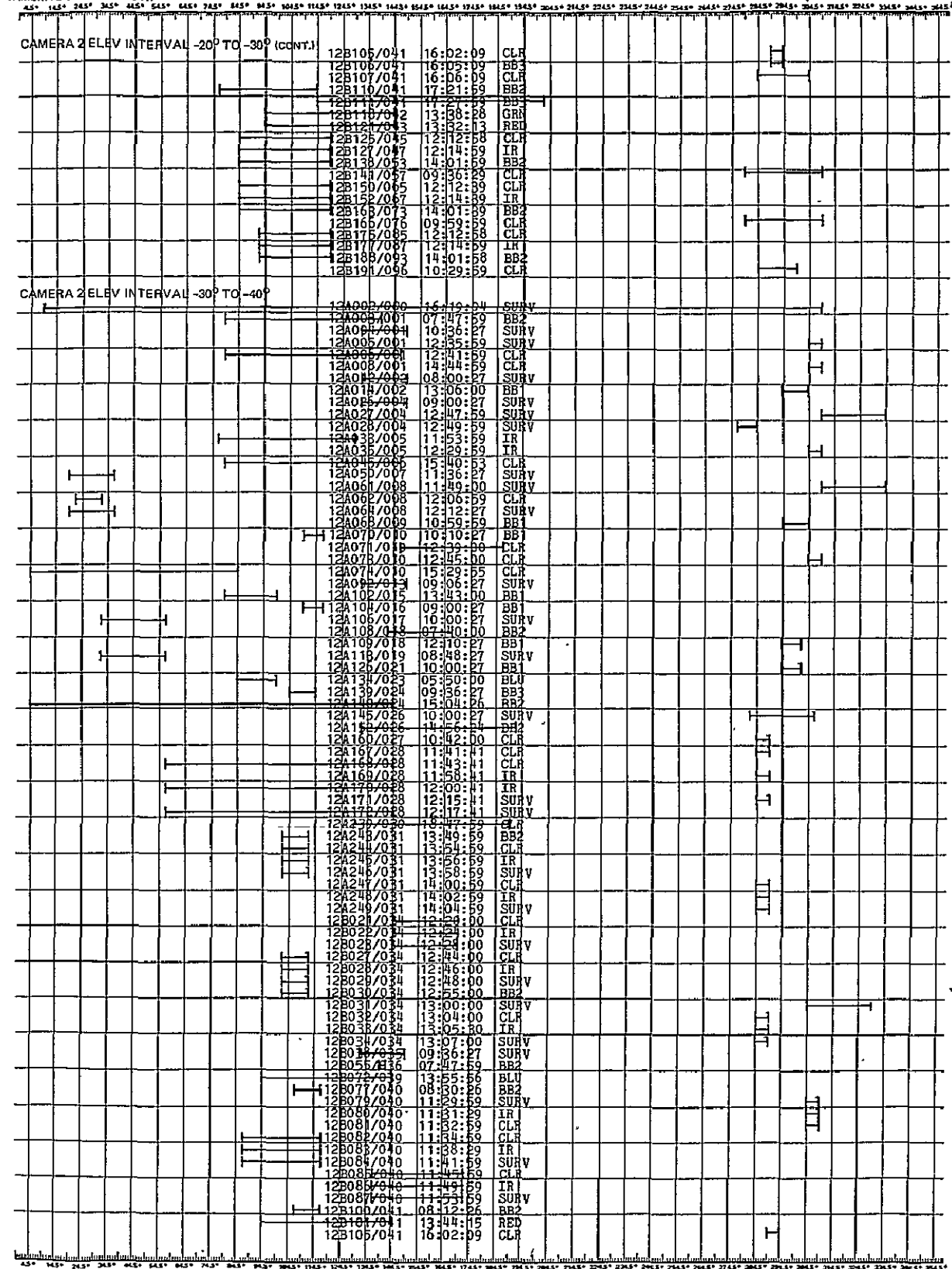
CAMERA 2 CACCS AZIMUTH

N



VL-1 CAMERA 2 ELEVATION COVERAGE CHART

CAMERA 2 CACCS AZIMUTH



VL-1 CAMERA 2 ELEVATION COVERAGE CHART

CAMERA 2 CACCS AZIMUTH

N

43° 145° 245° 345° 445° 545° 645° 745° 845° 945° 1045° 1145° 1245° 1345° 1445° 1545° 1645° 1745° 1845° 1945° 2045° 2145° 2245° 2345° 2445° 2545° 2645° 2745° 2845° 2945° 3045° 3145° 3245° 3345° 3445° 3545°

CAMERA 2 ELEV INTERVAL -30° TO -40° (CONT)

12B107/041	16:06:09	CLR
12B110/041	17:32:59	BB2
12B116/042	13:38:28	GRN
12B121/043	13:32:13	RED
12B125/045	12:12:58	CLR
12B127/047	12:14:59	IR
12B138/053	14:01:59	BB2
12B141/057	09:36:29	CLR
12B150/065	12:12:59	CLR
12B152/067	12:14:59	IR
12B163/073	14:01:59	BB2
12B165/076	09:59:59	CLR
12B175/085	12:12:58	CLR
12B177/087	12:14:59	IR
12B188/093	14:01:58	BB2
12B191/096	10:29:59	CLR

CAMERA 2 ELEV INTERVAL -40° TO -50°

12A061/080	15:13:21	BB1
12A064/084	10:36:27	SURV
12A066/081	12:41:59	CLR
12A068/081	16:50:28	BB1
12A072/082	08:00:27	SURV
12A075/082	10:29:50	BB1
12A086/093	09:10:27	BB1
12A087/084	09:00:27	SURV
12A021/004	12:47:59	SURV
12A087/005	08:10:27	BB1
12A087/002	11:56:27	IR
12A088/006	07:24:59	BB
12A088/006	15:40:53	CLR
12A057/007	11:36:27	SURV
12A061/008	11:09:00	SURV
12A062/008	12:06:59	CLR
12A064/008	12:12:27	SURV
12A070/010	10:10:27	BB
12A071/010	12:39:28	CLR
12A094/012	16:36:22	BB1
12A092/013	09:06:27	SURV
12A102/015	13:43:00	BB1
12A103/016	07:29:59	BB1
12A104/016	09:00:27	BB1
12A124/021	07:29:59	BB1
12A136/023	15:07:17	BB1
12A145/026	10:00:27	SURV
12A160/027	10:42:00	CLR
12A167/028	11:41:41	CLR
12A168/048	11:13:41	CLR
12A169/028	11:58:41	IR
12A170/028	12:00:41	IR
12A171/028	12:15:41	SURV
12A172/028	12:17:41	SURV
12A167/030	10:00:07	BB1
12A207/030	18:47:59	CLR
12A211/031	08:30:27	BB1
12A244/031	13:54:59	CLR
12A245/031	13:56:59	IR
12A246/031	13:58:59	SURV
12A247/031	14:00:59	CLR
12A248/031	14:02:59	IR
12A249/031	14:04:59	SURV
12B017/032	12:55:58	BB1
12B021/034	12:24:00	CLR
12B021/034	12:24:00	IR
12B023/034	12:26:00	SURV
12B027/034	12:44:00	CLR
12B028/034	12:45:00	IR
12B029/034	12:48:00	SURV
12B031/034	12:00:00	SURV
12B032/034	13:04:00	CLR
12B033/034	13:05:00	IR
12B034/034	13:07:00	SURV
12B066/035	09:36:27	SURV
12B049/035	14:20:13	SURV
12B067/036	09:00:27	BB
12B060/037	07:24:59	BB1
12B066/038	09:30:27	BB1
12B067/038	14:01:15	SURV
12B079/040	11:29:59	SURV
12B080/040	11:31:59	IR
12B081/040	11:32:59	CLR
12B105/041	16:02:09	CLR
12B107/041	16:06:09	CLR
12B125/045	12:12:58	CLR
12B127/047	12:14:59	IR
12B150/065	12:12:59	CLR
12B152/067	12:14:59	IR
12B175/085	12:12:58	CLR
12B177/087	12:14:59	IR

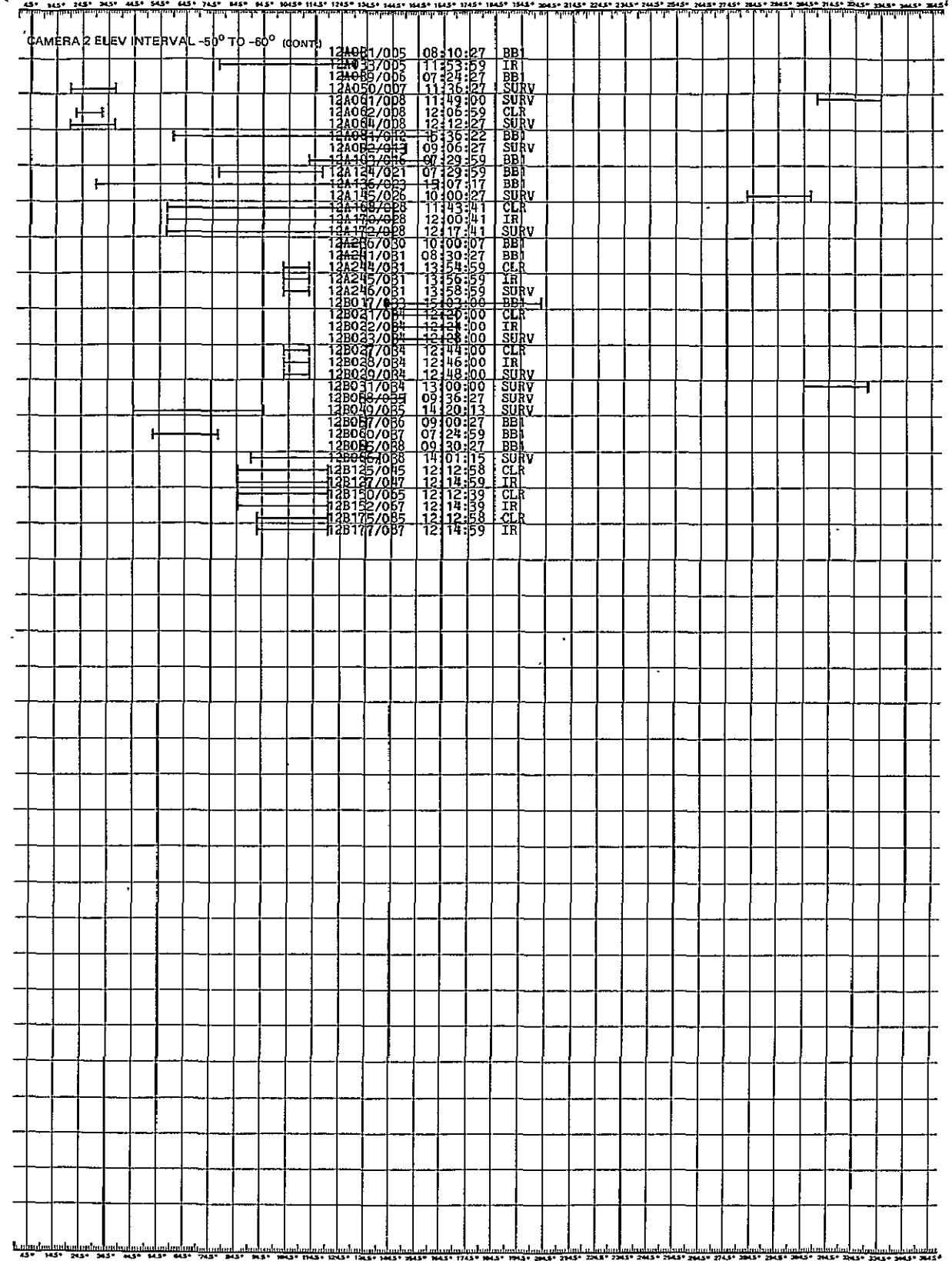
CAMERA 2 ELEV INTERVAL -50° TO -60°

12A061/080	15:13:21	BB1
12A064/084	10:36:27	SURV
12A066/081	16:50:28	BB1
12A072/082	08:00:27	SURV
12A075/082	10:29:50	BB1
12A086/093	09:10:27	BB1
12A087/084	09:00:27	SURV
12A027/004	12:47:59	SURV

43° 145° 245° 345° 445° 545° 645° 745° 845° 945° 1045° 1145° 1245° 1345° 1445° 1545° 1645° 1745° 1845° 1945° 2045° 2145° 2245° 2345° 2445° 2545° 2645° 2745° 2845° 2945° 3045° 3145° 3245° 3345° 3445° 3545°

VI-1
CAMERA 2 ELEVATION COVERAGE CHART

CAMERA 2 CACCS AZIMUTH

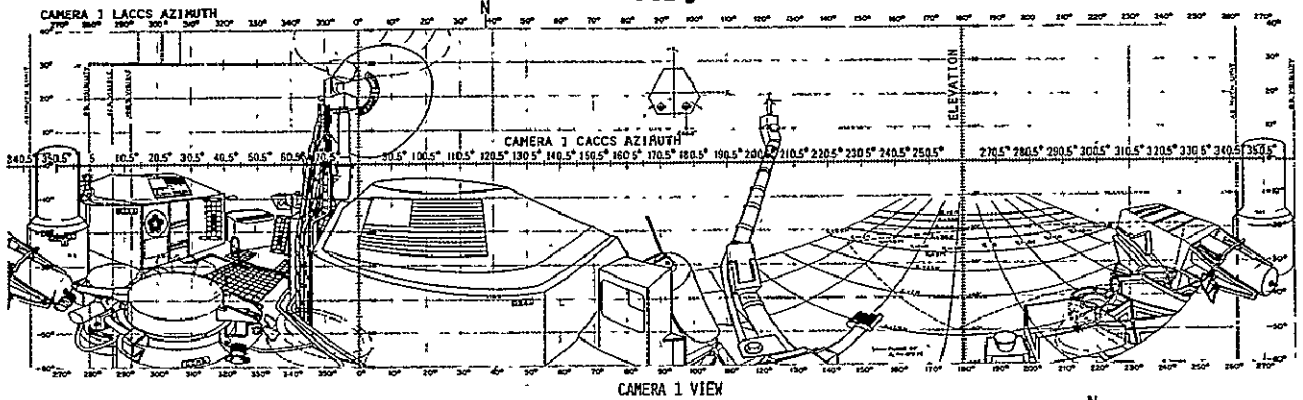


VL-1 SKYLINE DRAWINGS

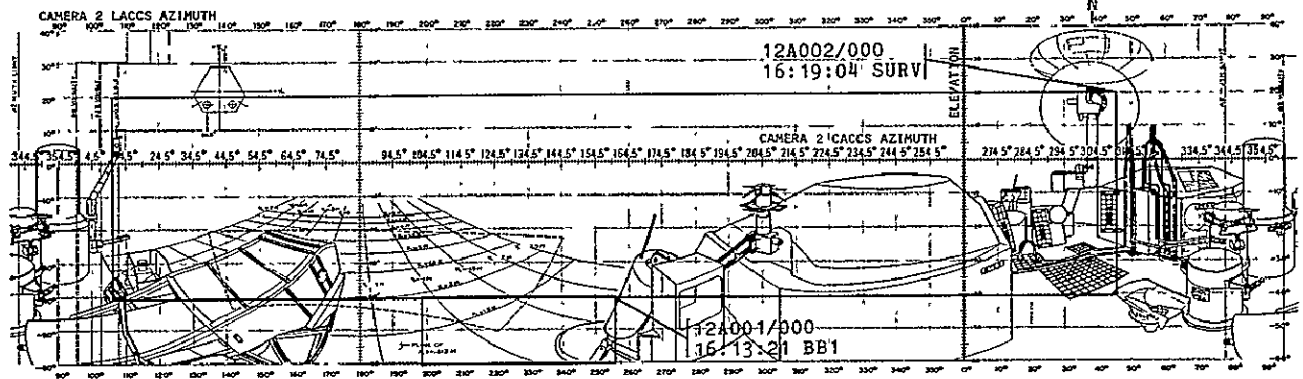
VL-1 SKYLINE DRAWINGS

This section contains the skyline drawings for VL-1. The format for these drawings has been described in the section "Skyline Drawings."

VL-1
SOL 0

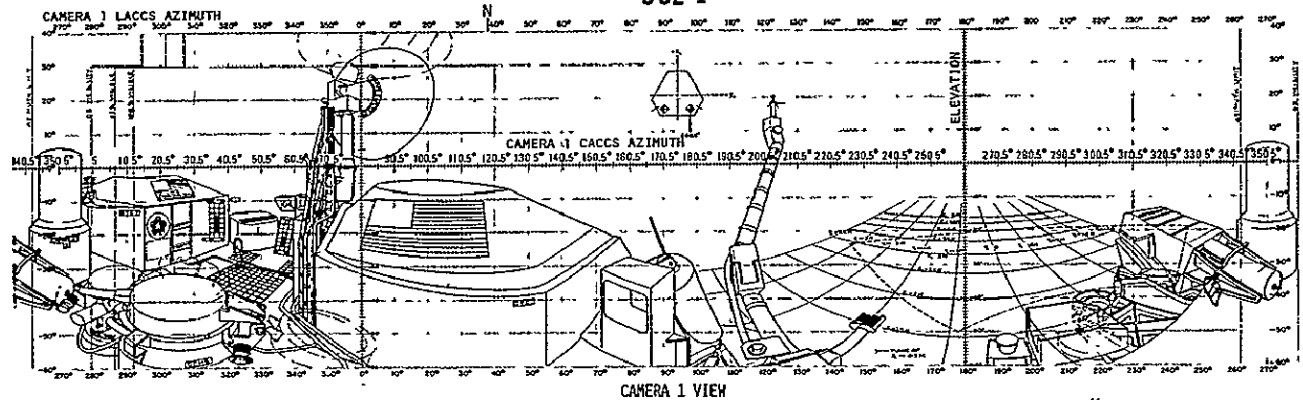


CAMERA 1 VIEW

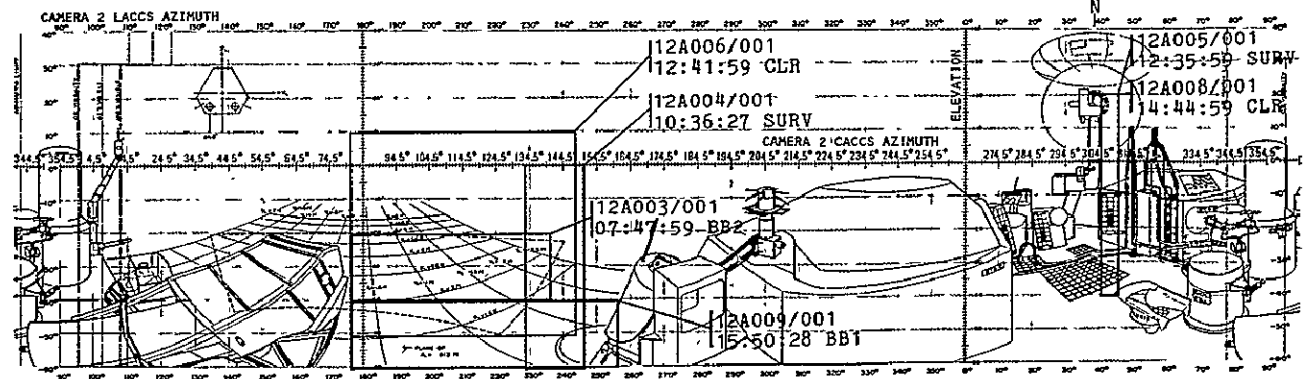


CAMERA 2 VIEW

SOL 1

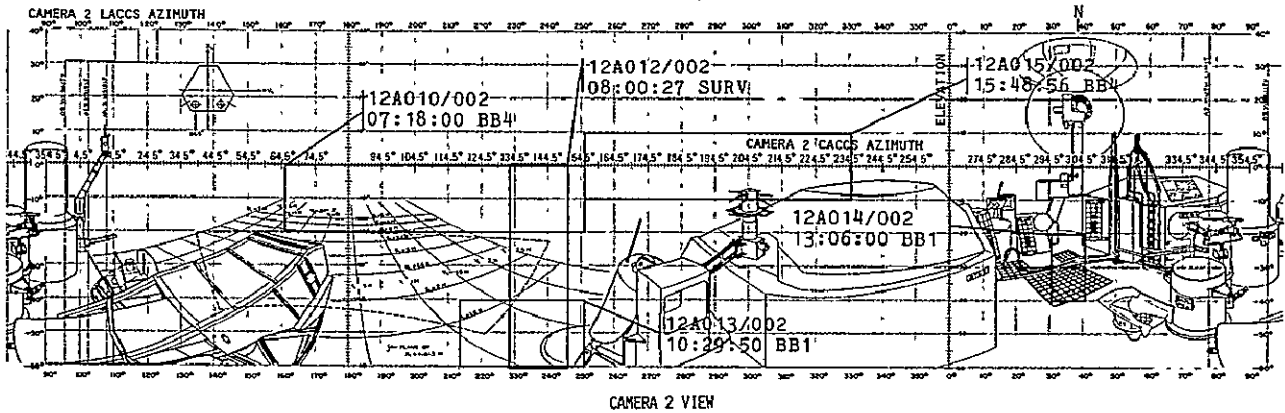
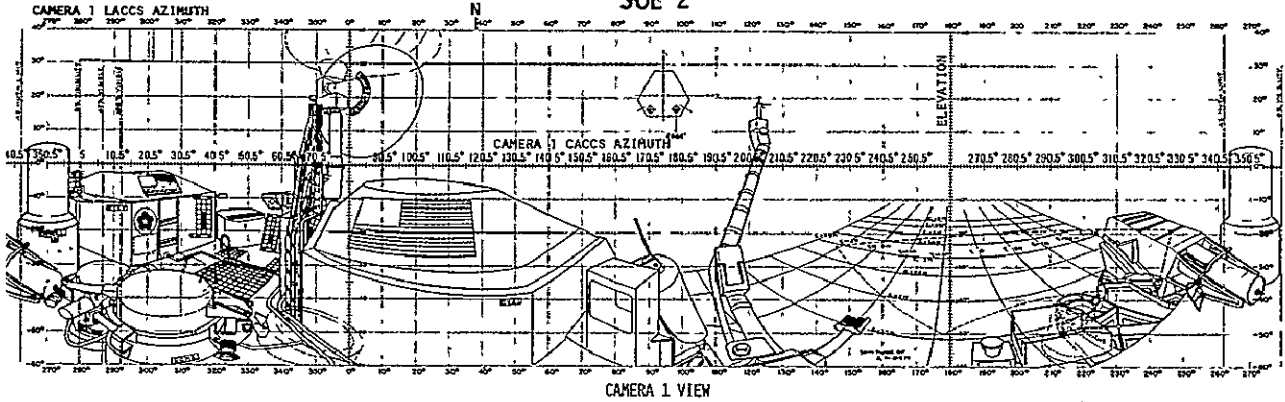


CAMERA 1 VIEW

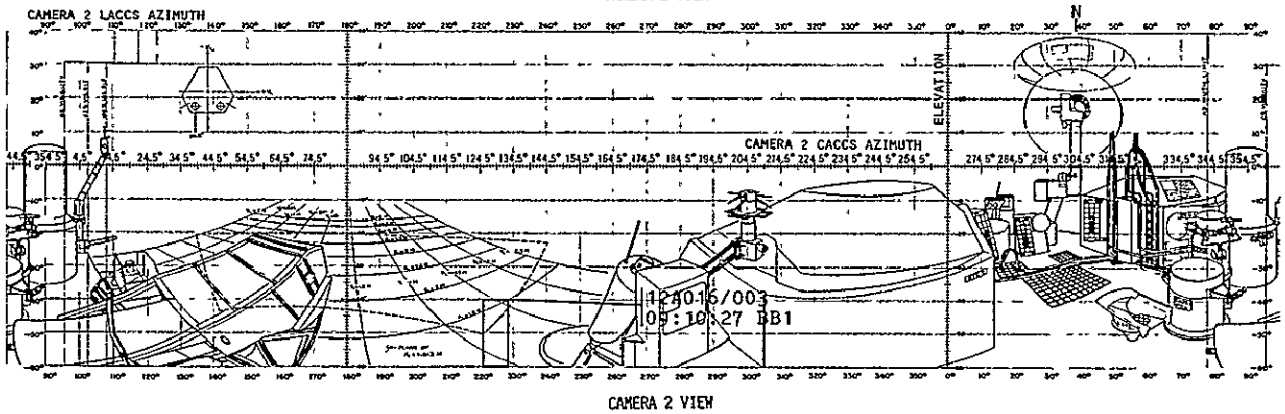
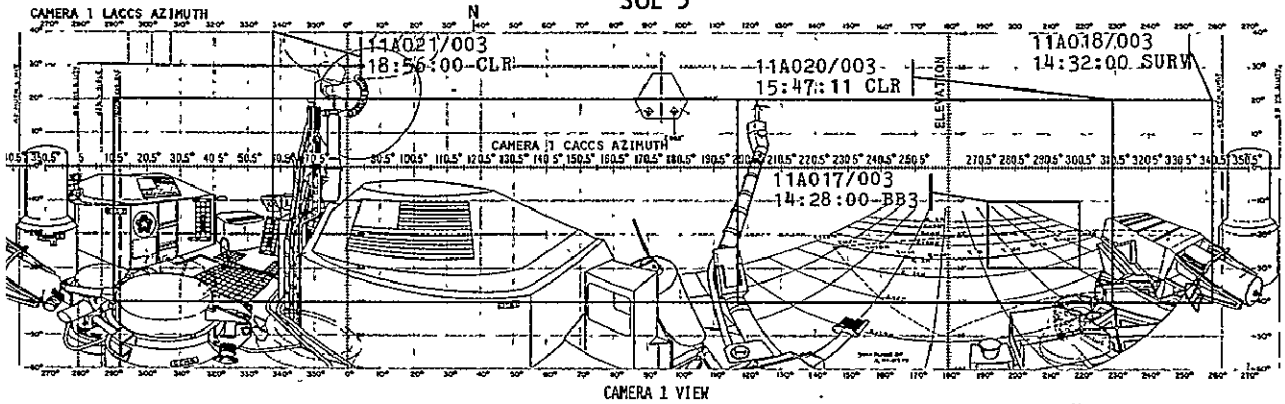


CAMERA 2 VIEW

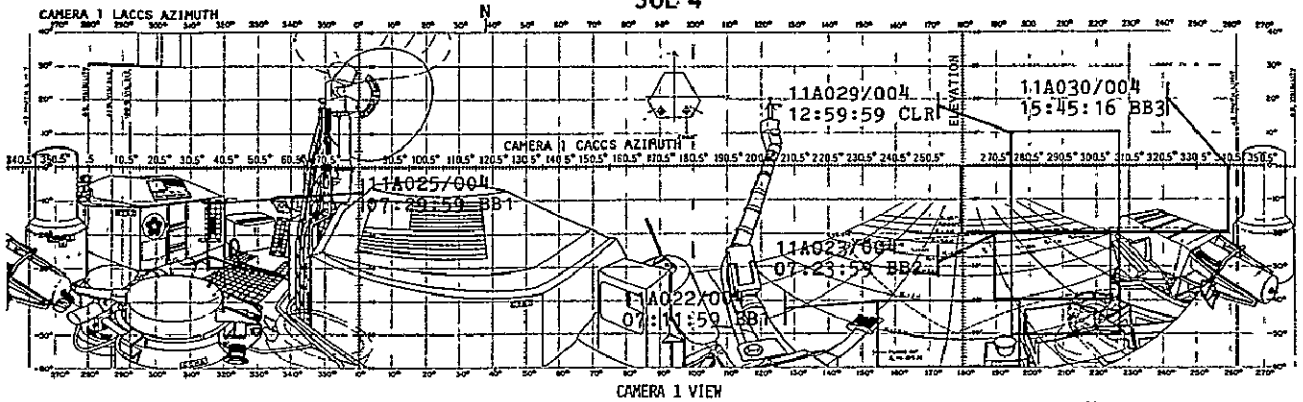
VL-1
SOL 2



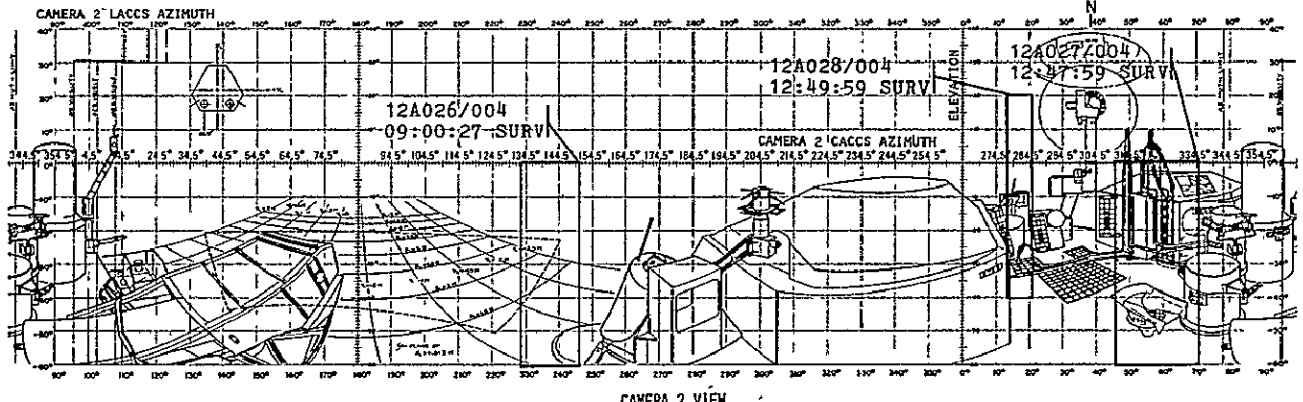
SOL 3



VI-1
SOL 4

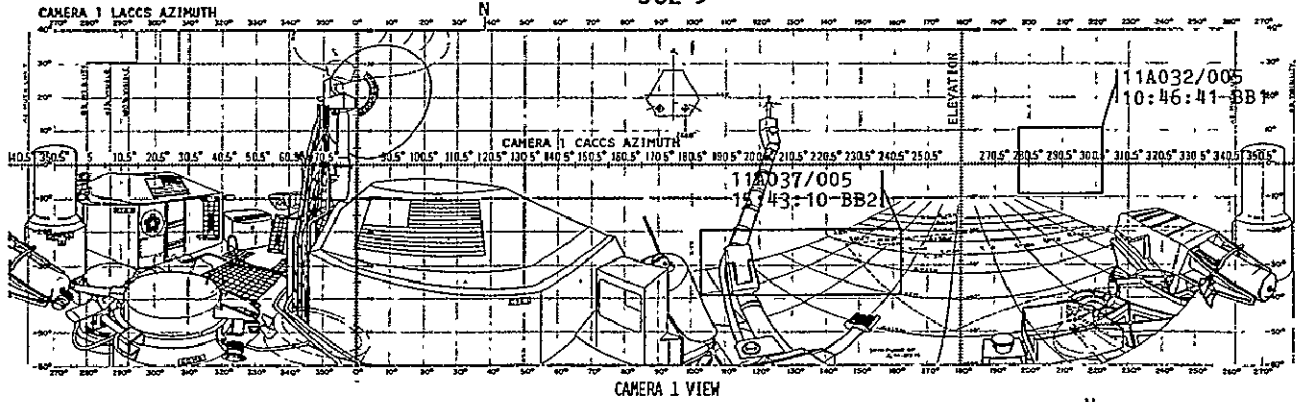


CAMERA 1 VIEW

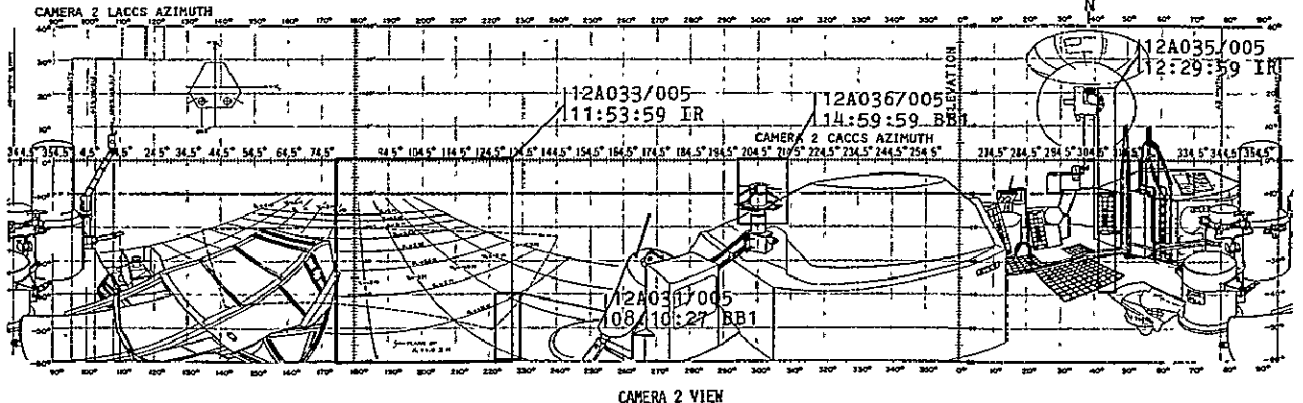


CAMERA 2 VIEW

SOL 5

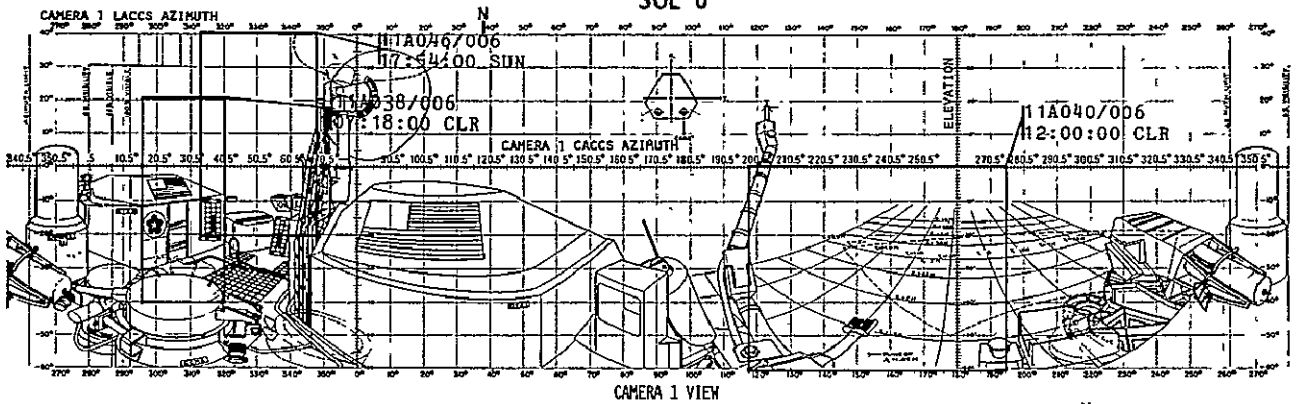


CAMERA 1 VIEW

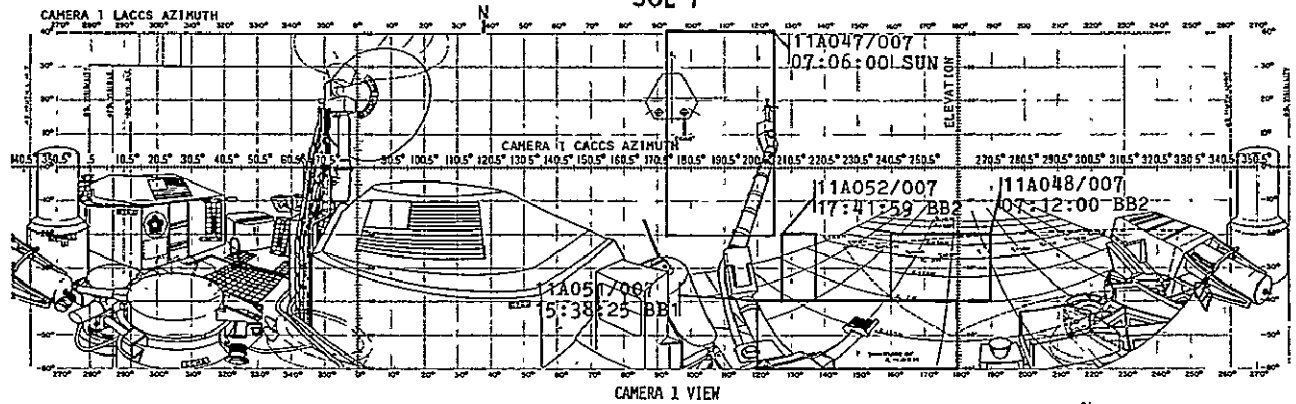


CAMERA 2 VIEW

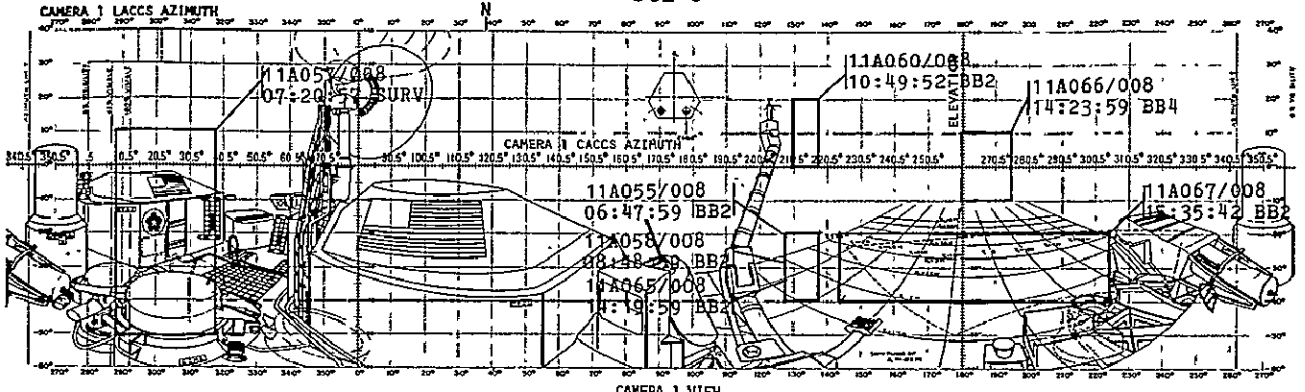
VL-1
SOL 6



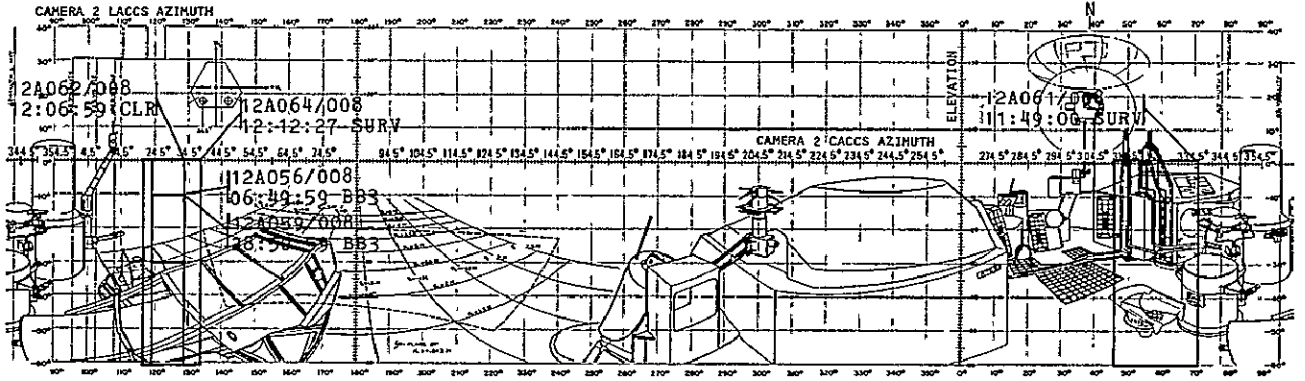
SOL 7



VL-1
SOL: 8

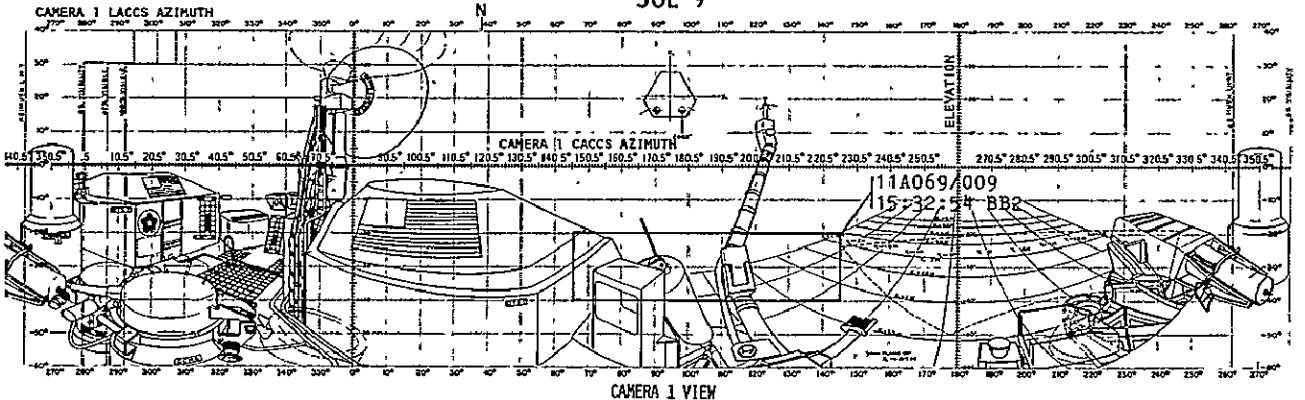


CAMERA 1 VIEW

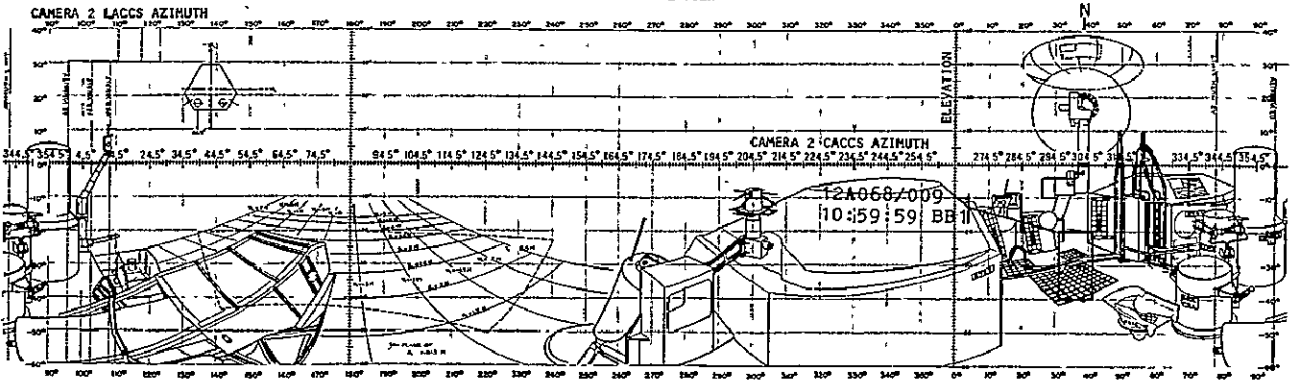


CAMERA 2 VIEW

SOL 9

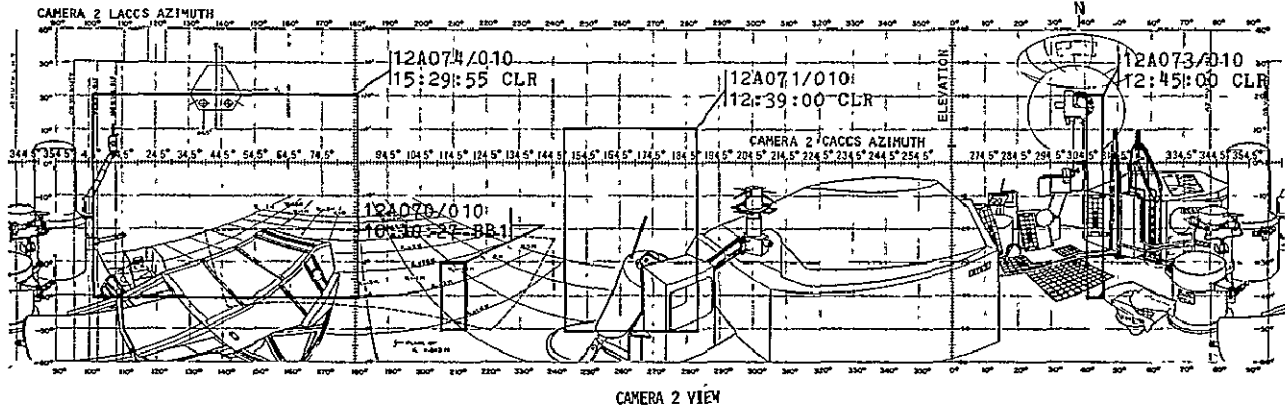
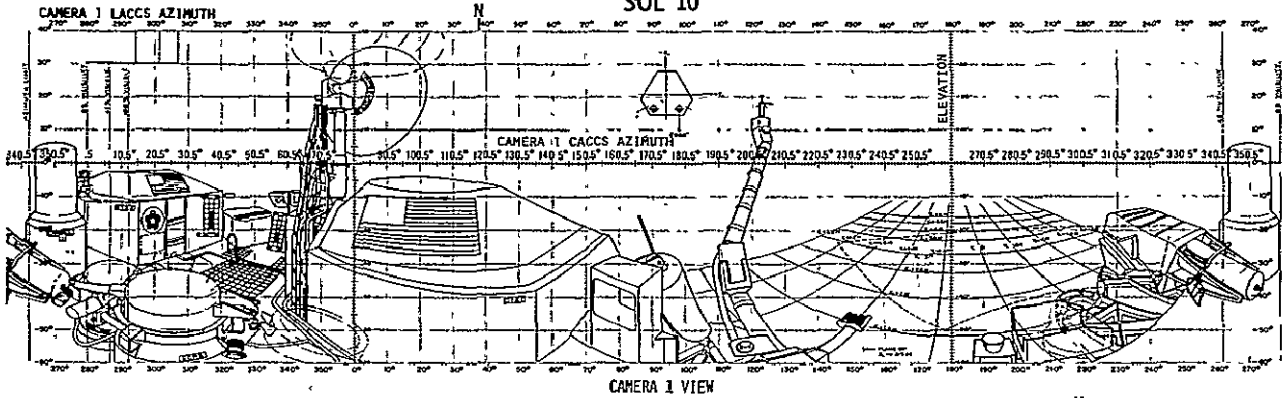


CAMERA 1 VIEW

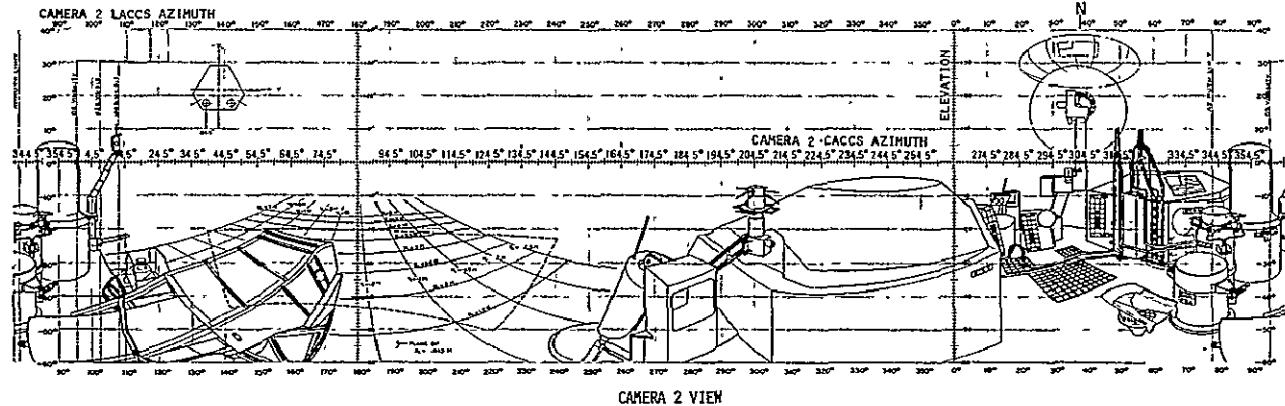
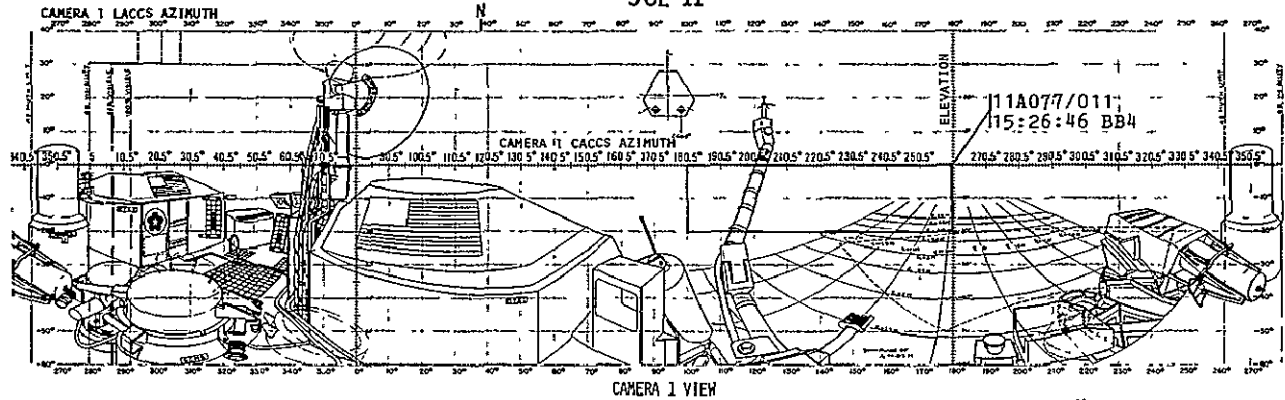


CAMERA 2 VIEW

VI-1
SOL 10

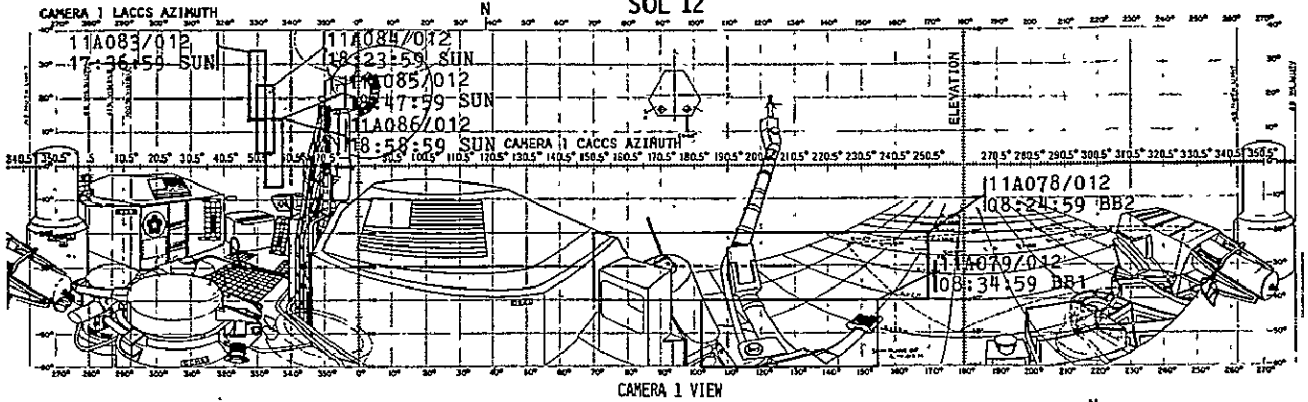


SOL 11

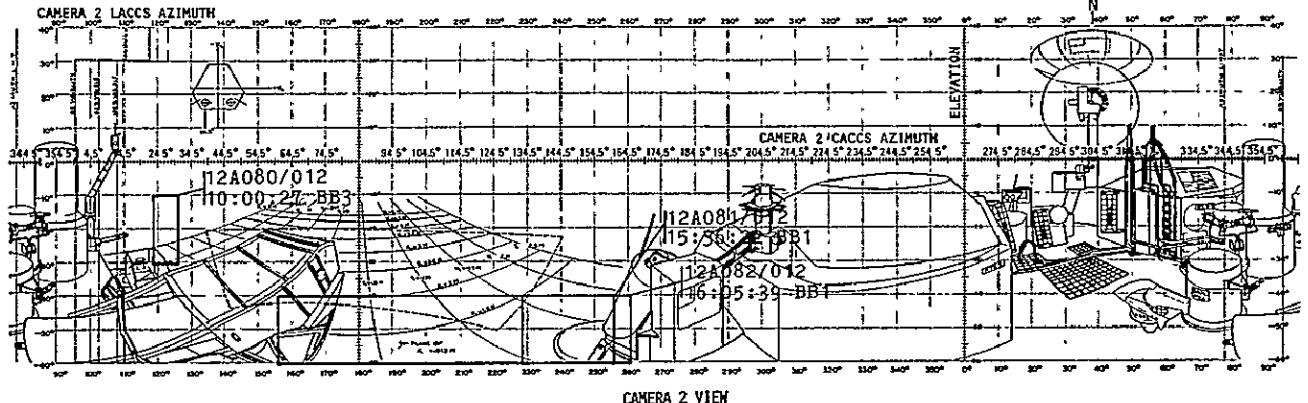


VL-1

SOL 12

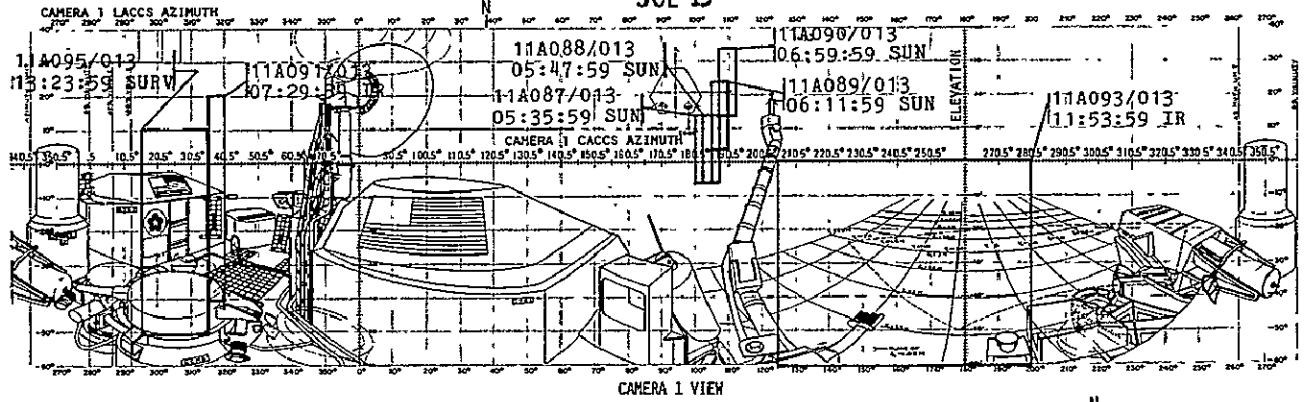


CAMERA 1 VIEW

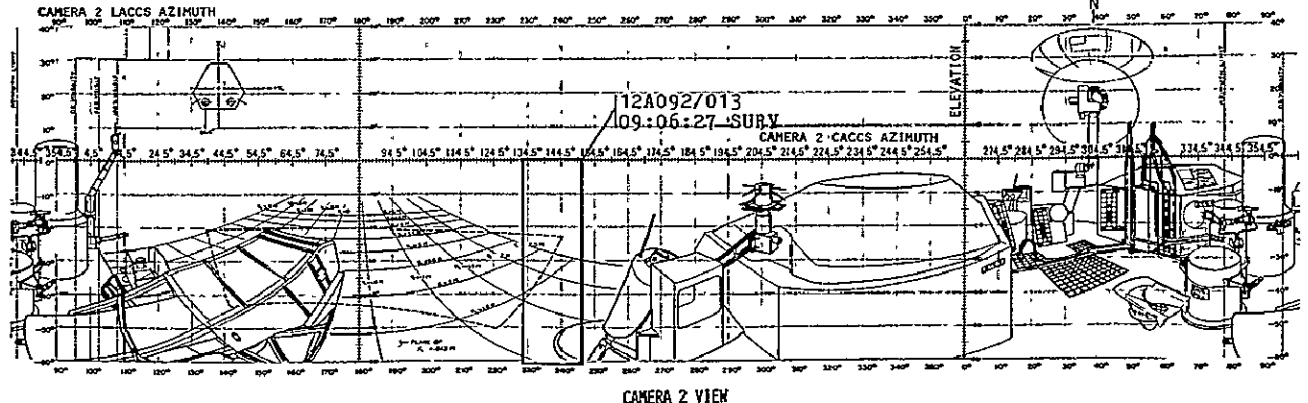


CAMERA 2 VIEW

SOL 13

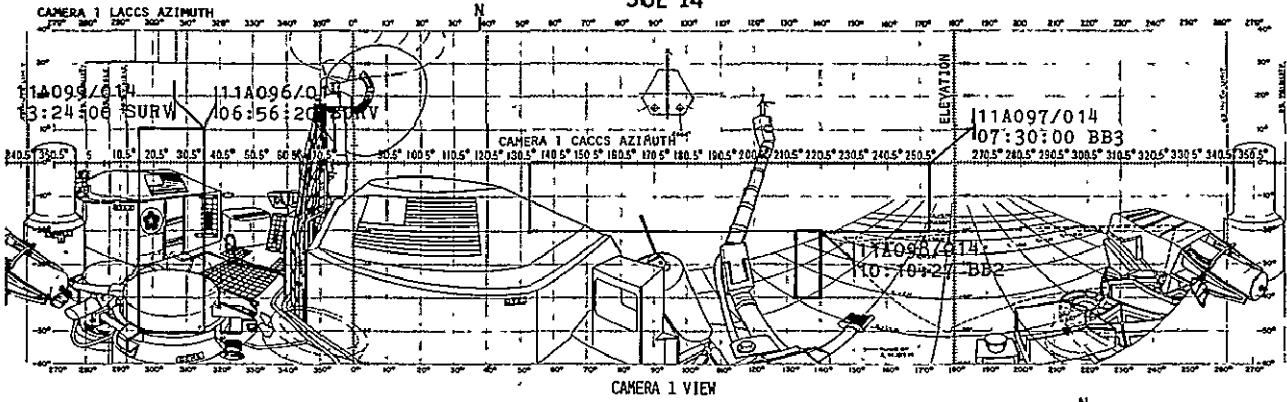


CAMERA 1 VIEW

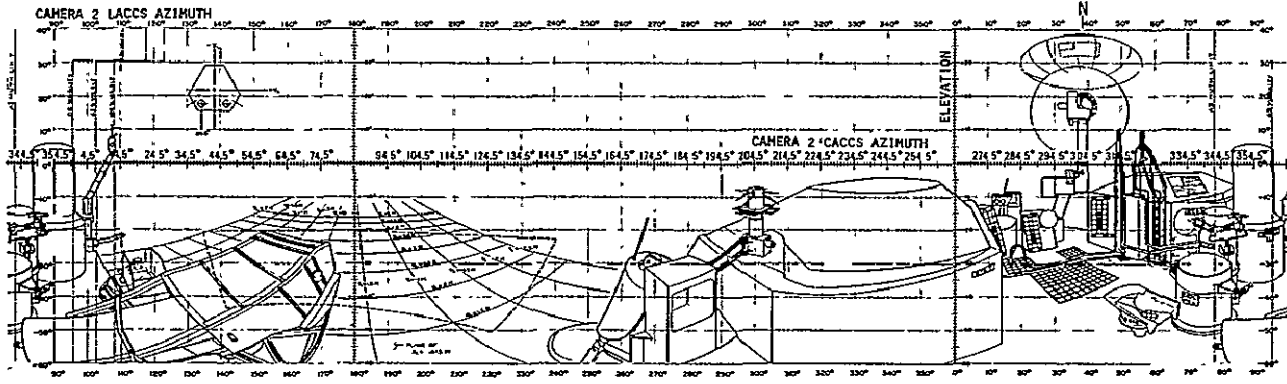


CAMERA 2 VIEW

VL-1
SOL 14

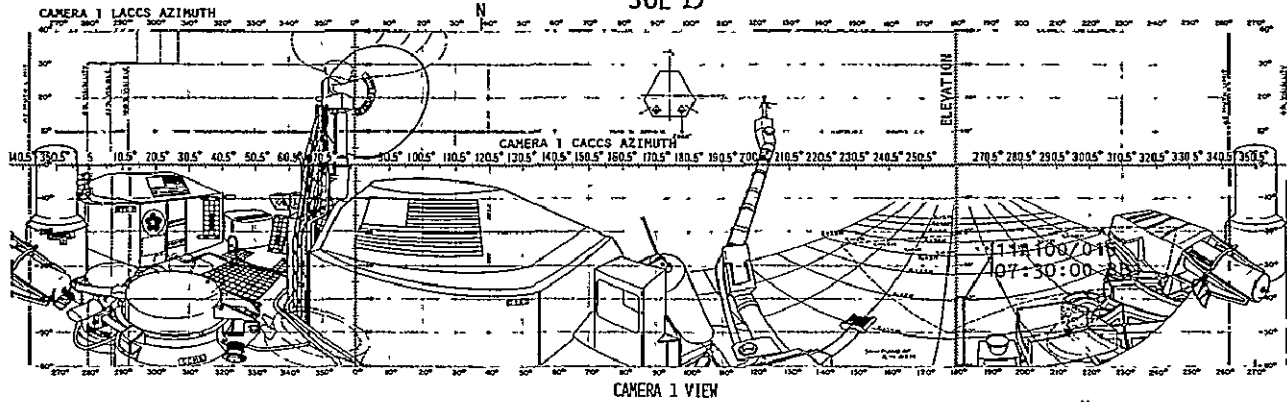


CAMERA 1 VIEW

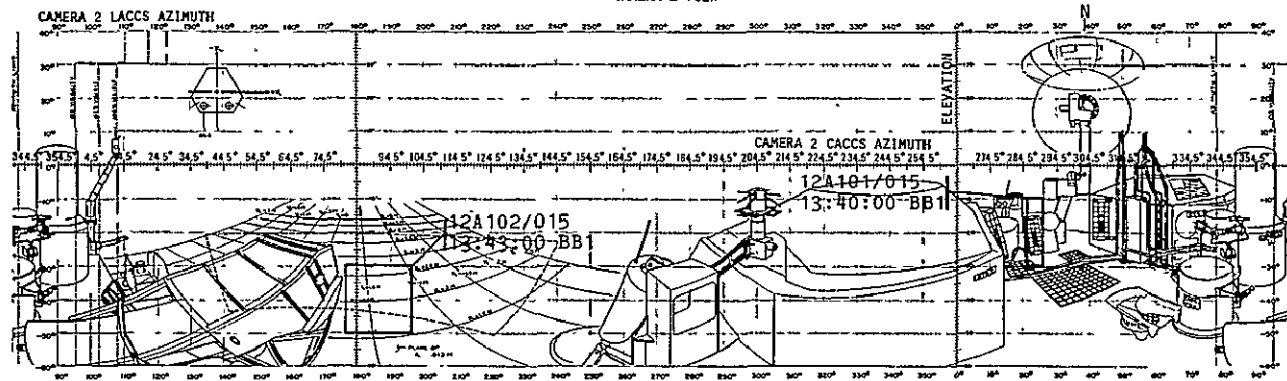


CAMERA 2 VIEW

SOL 15

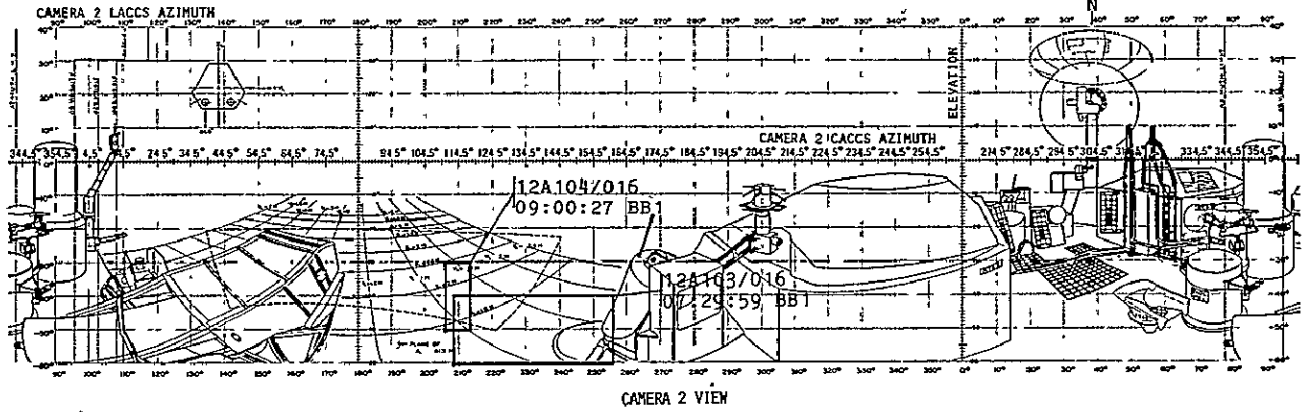
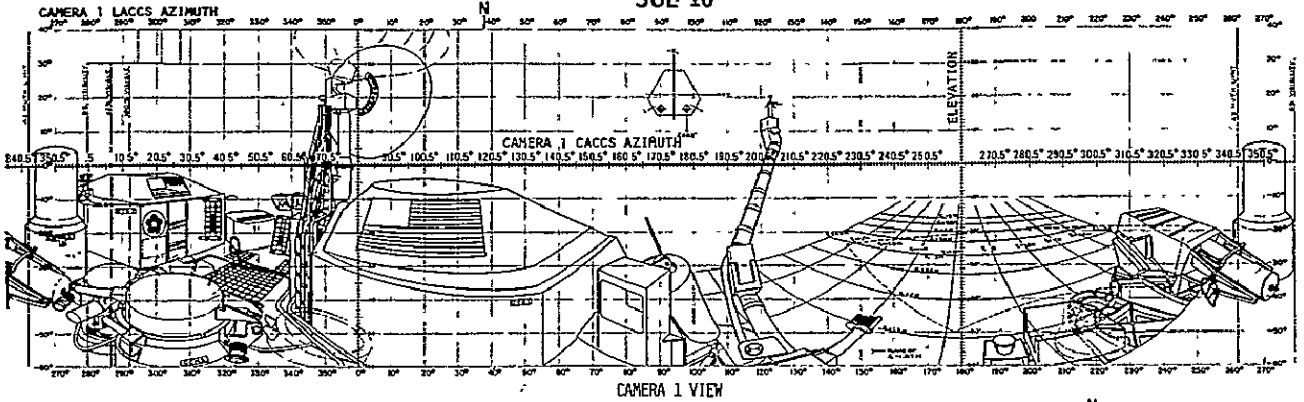


CAMERA 1 VIEW

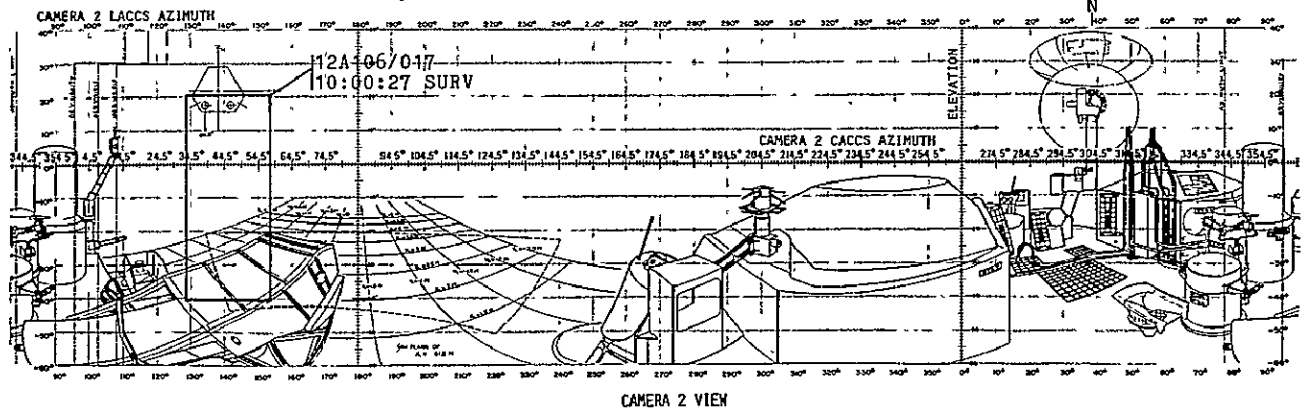
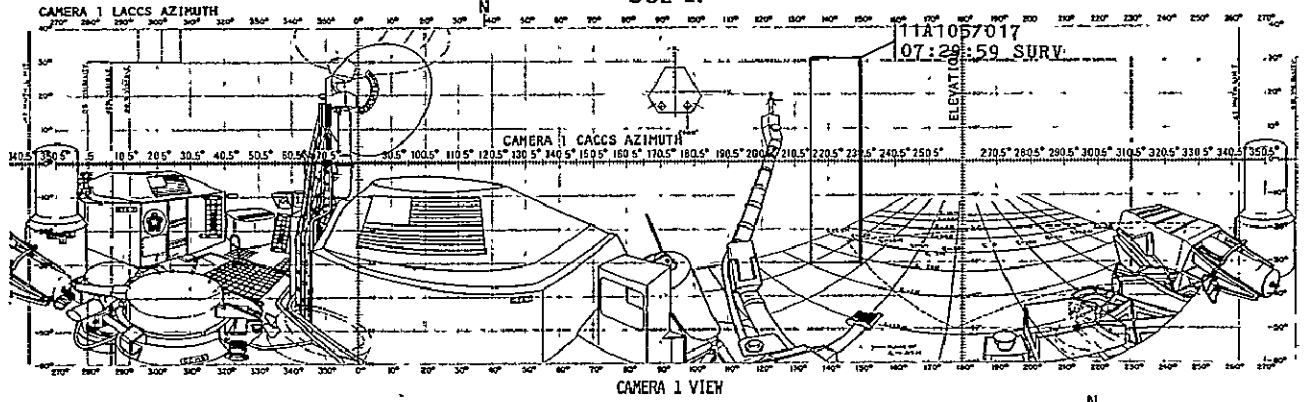


CAMERA 2 VIEW

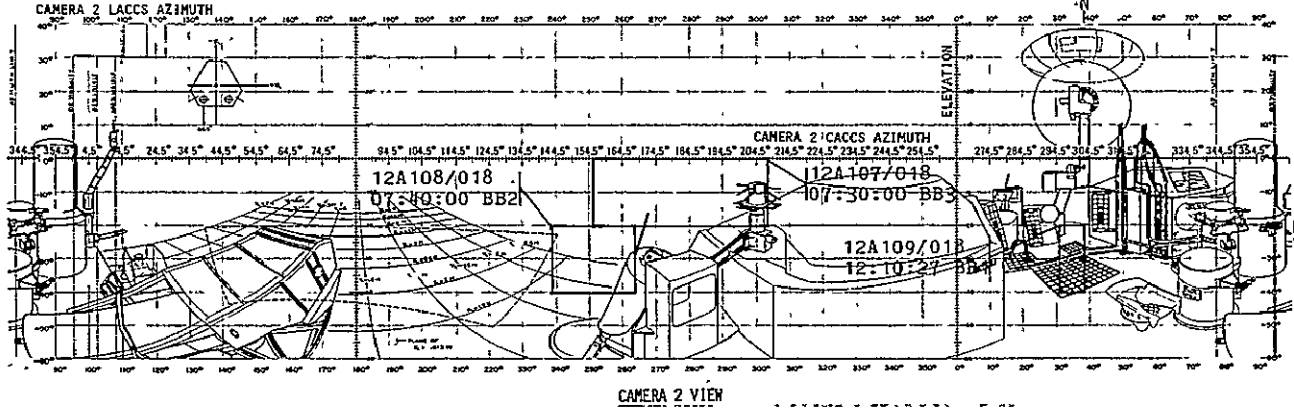
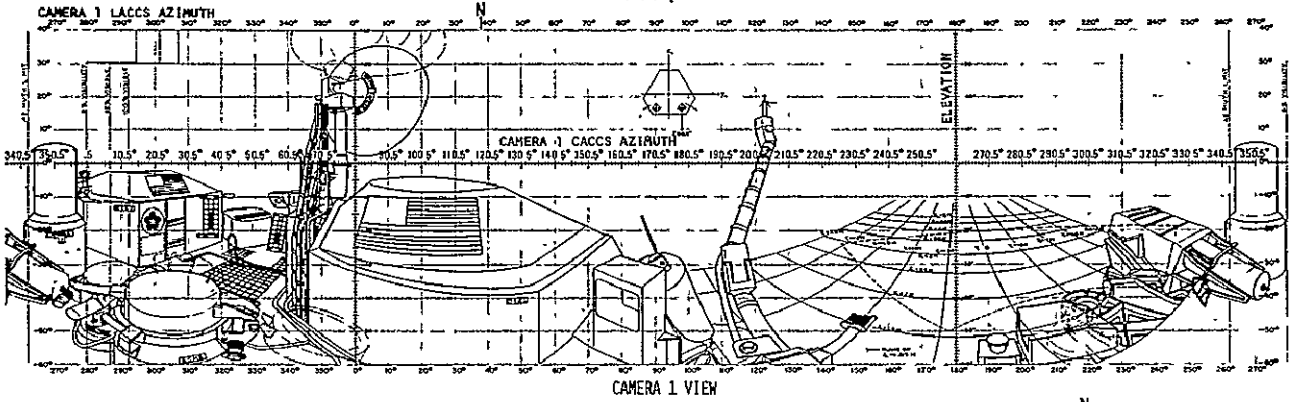
VI-1
SOL 16



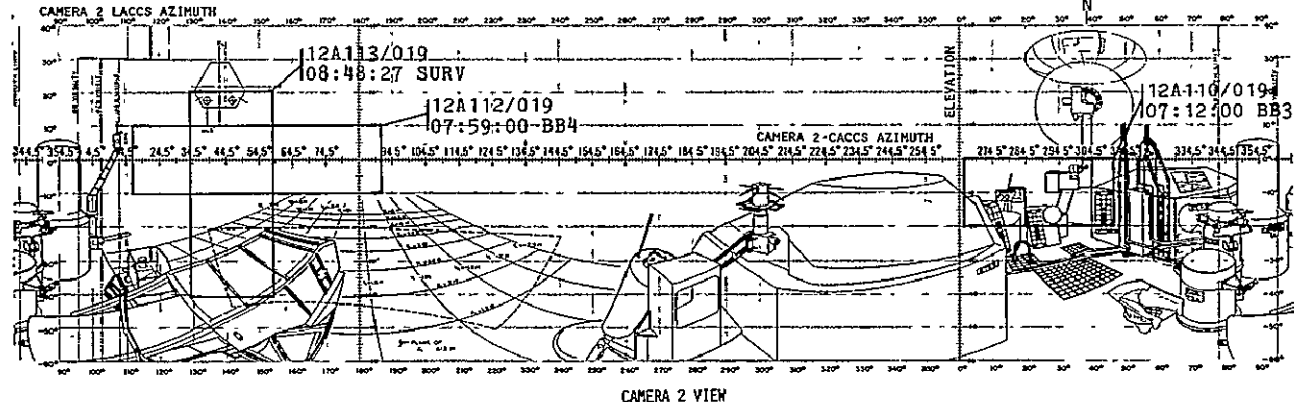
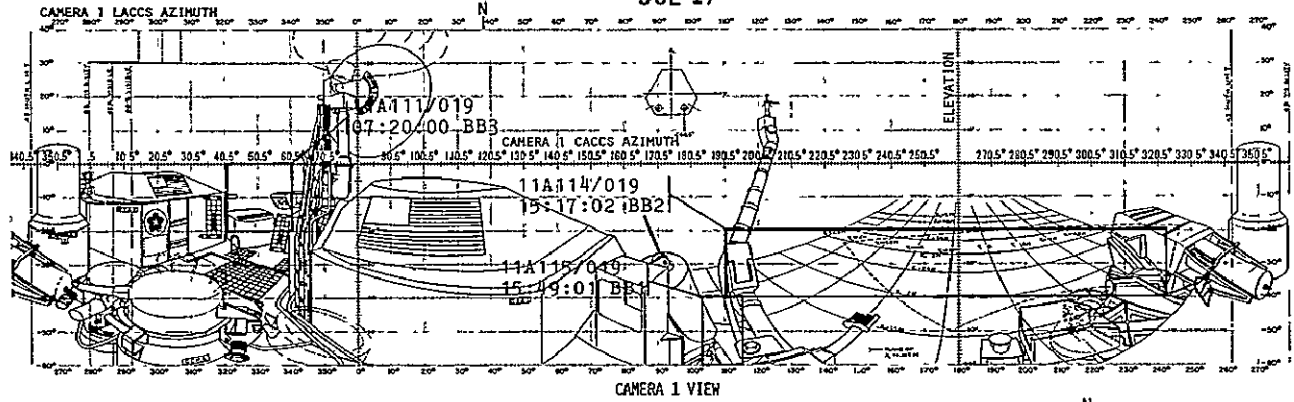
SOL 17



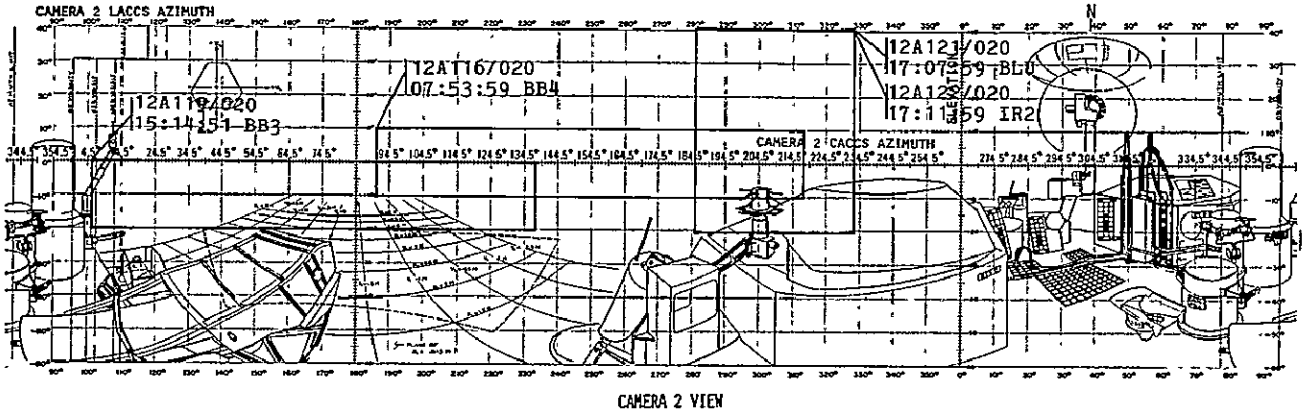
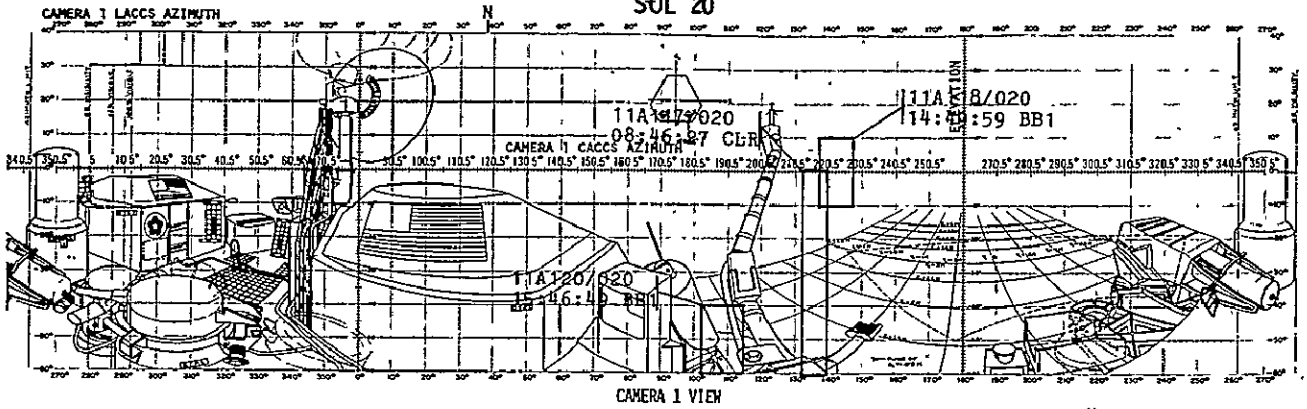
VL-1
SOL 18



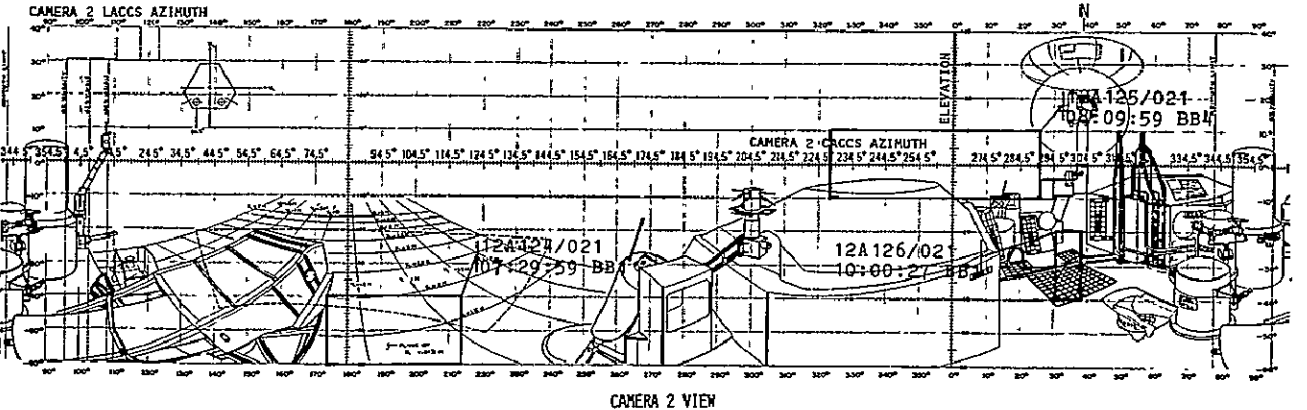
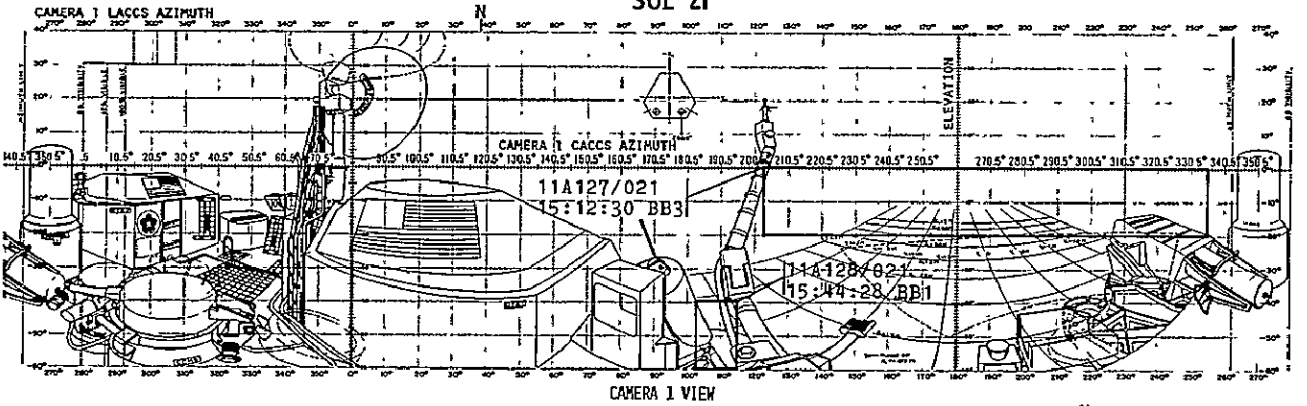
SOL 19



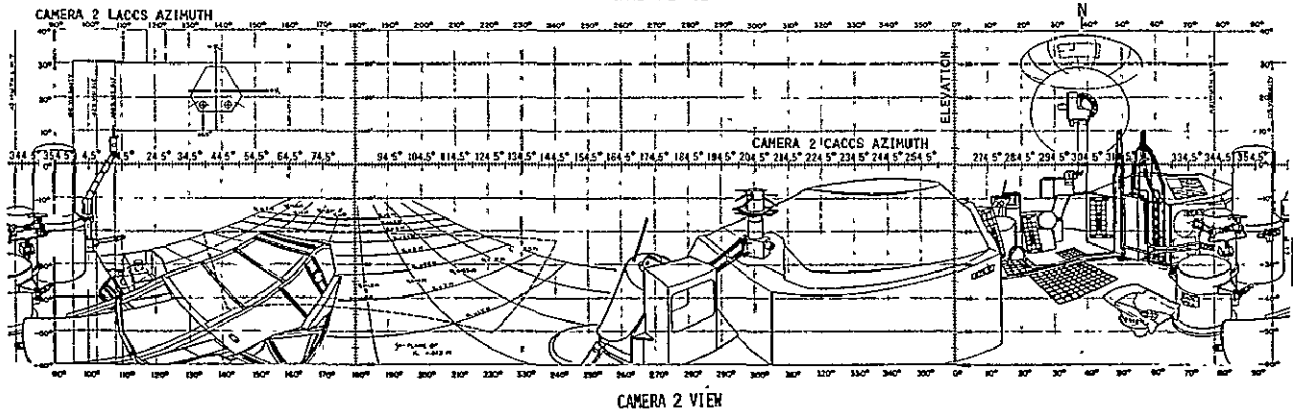
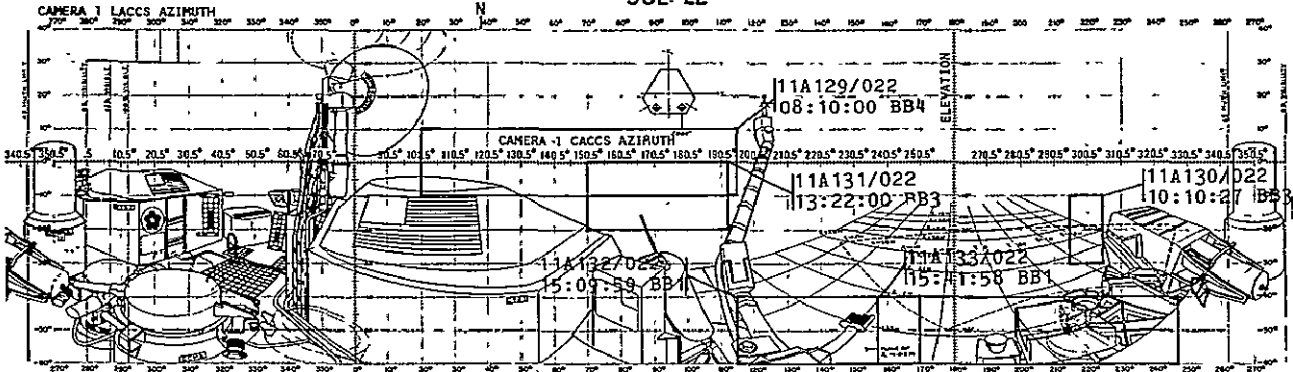
VL-1
SOL 20



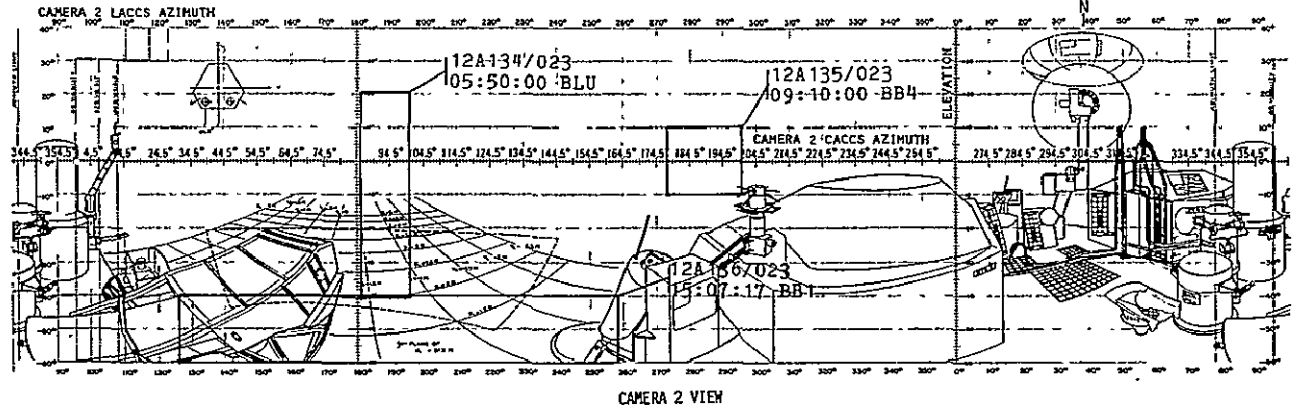
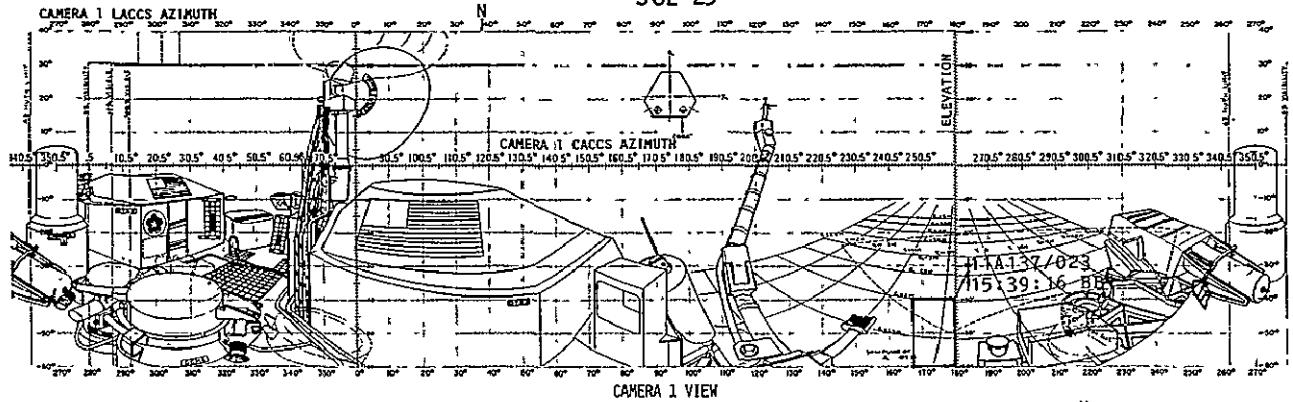
SOL 21



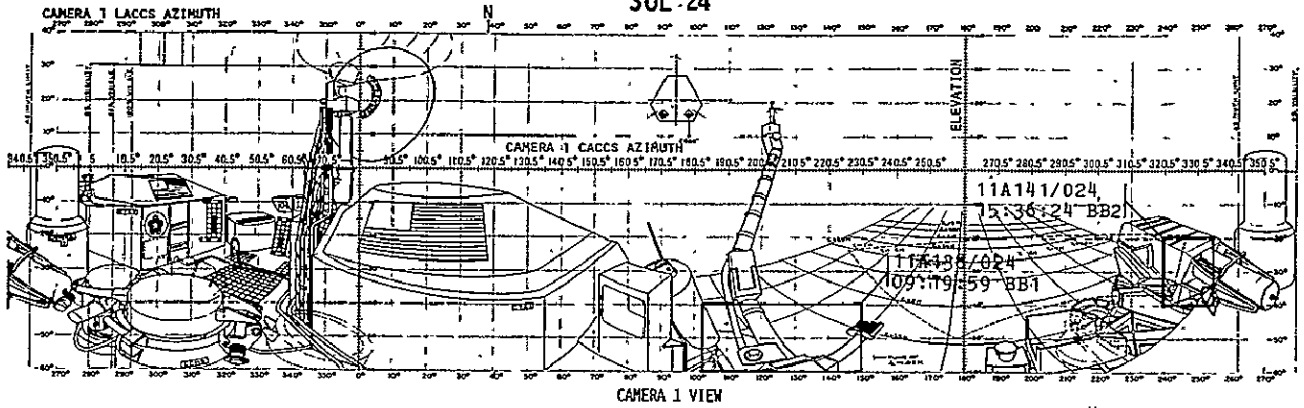
VL-1
SOL-22



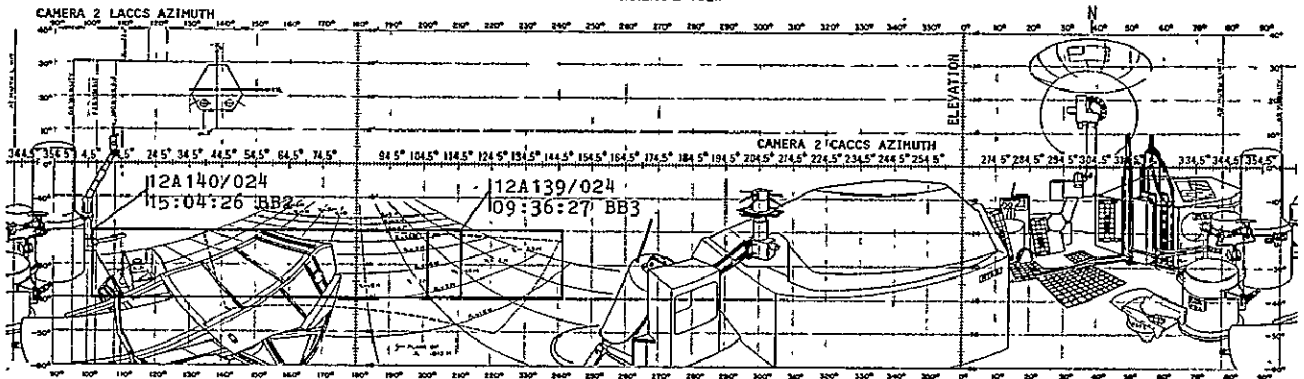
SOL 23



VL-1
SOL-24

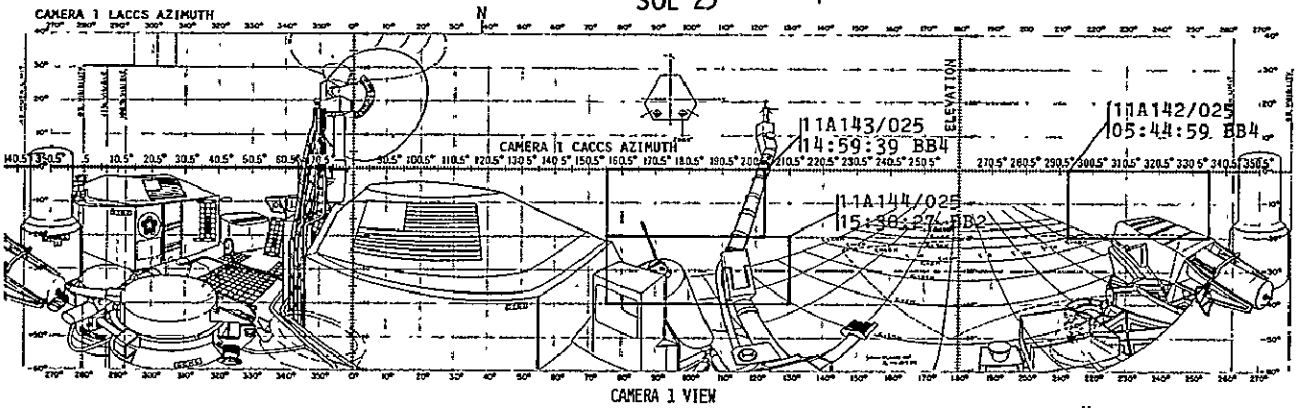


CAMERA 1 VIEW

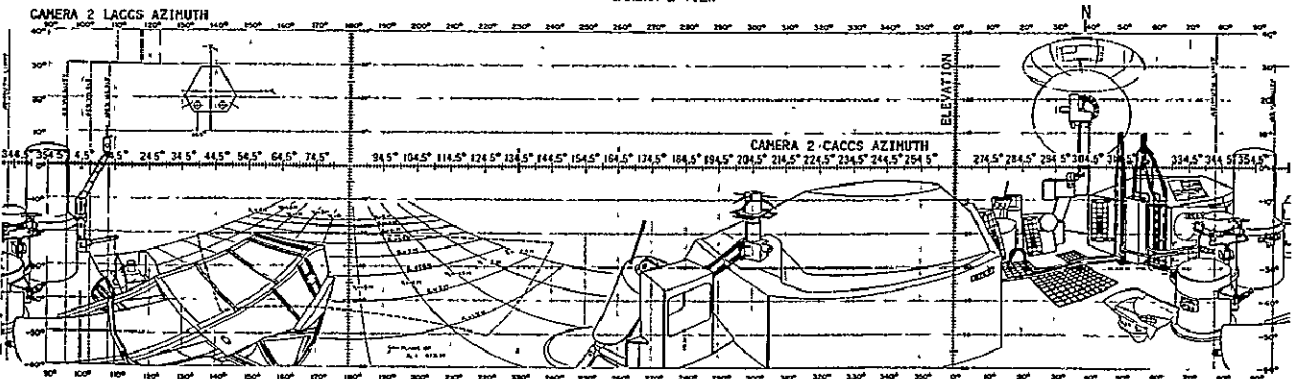


CAMERA 2 VIEW

SOL 25

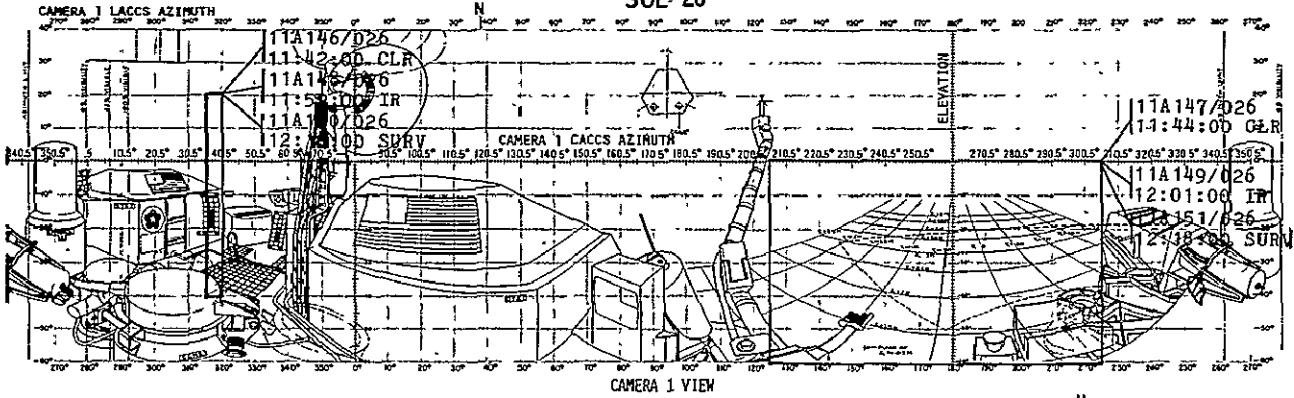


CAMERA 1 VIEW

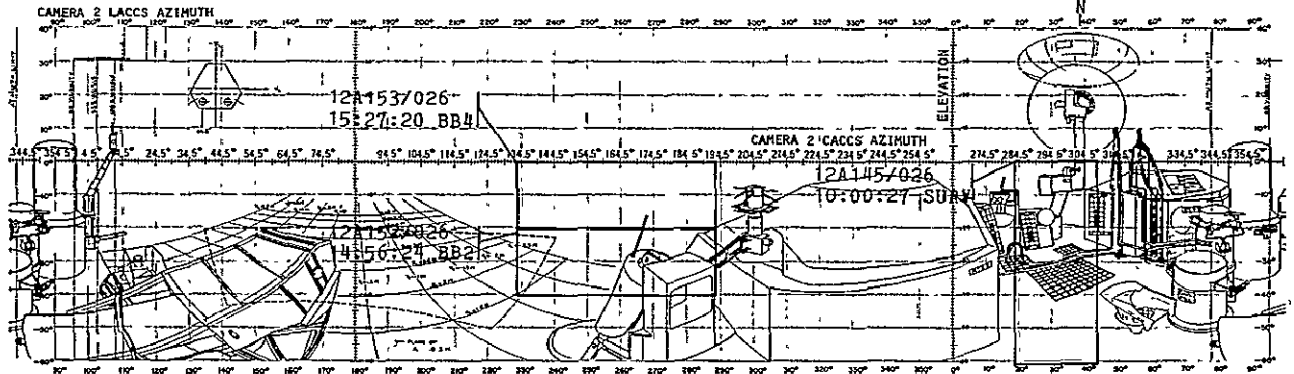


CAMERA 2 VIEW

VL-1
SOL-26

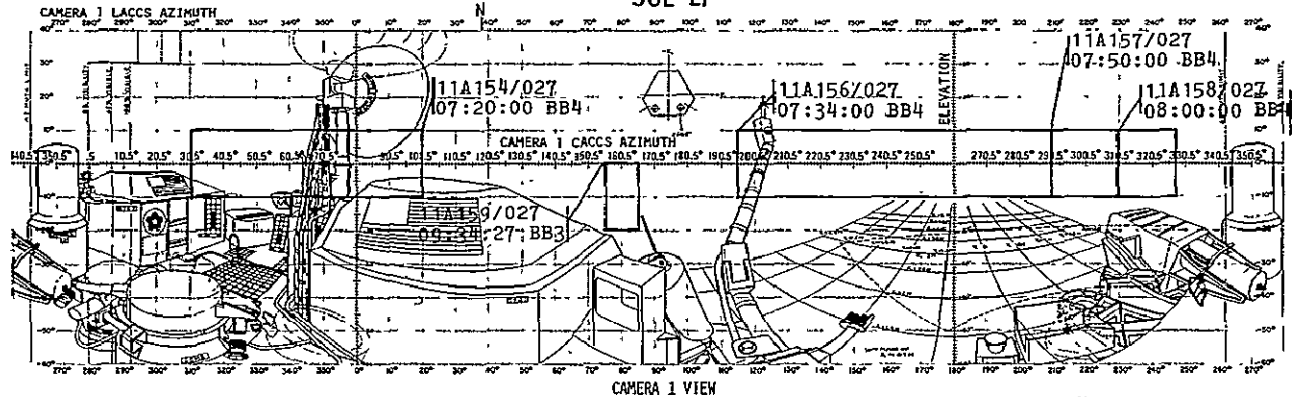


CAMERA 1 VIEW

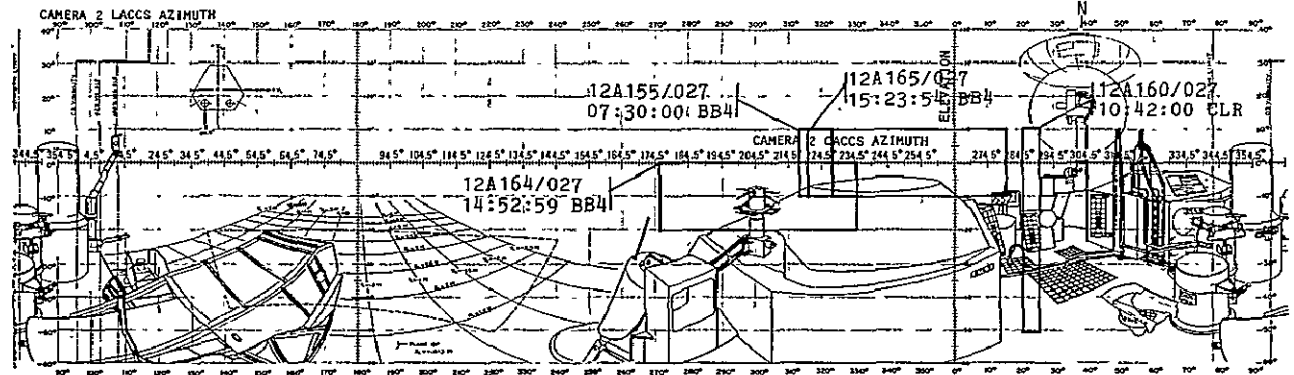


CAMERA 2 VIEW

SOL 27

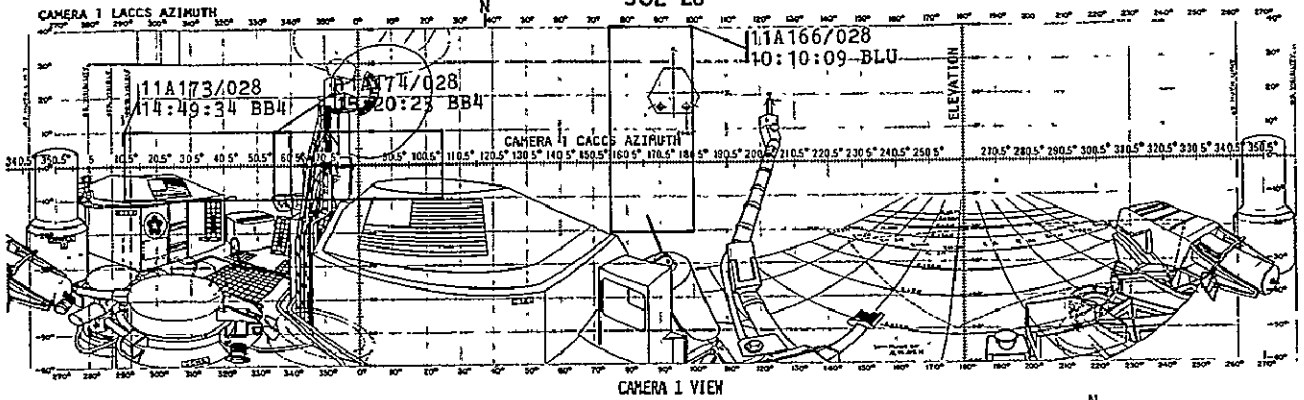


CAMERA 1 VIEW

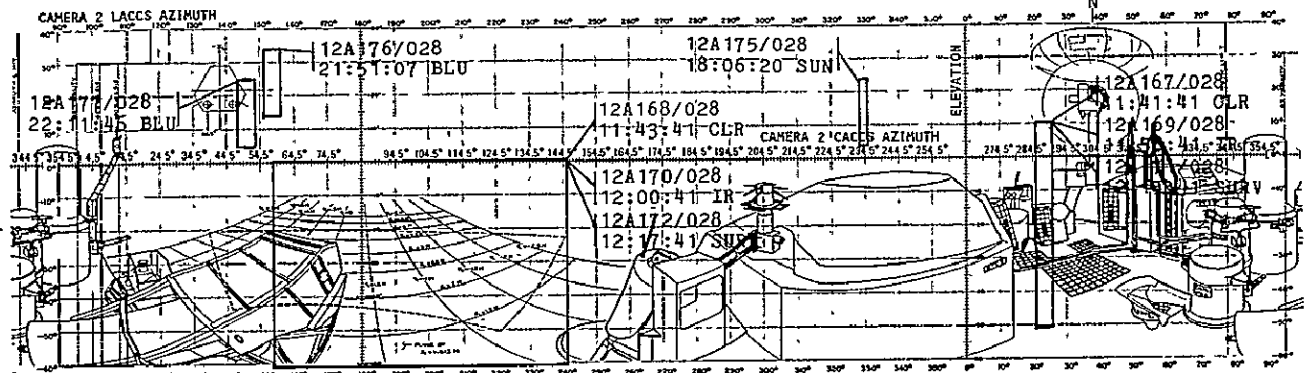


CAMERA 2 VIEW

VL-1
SOL 28

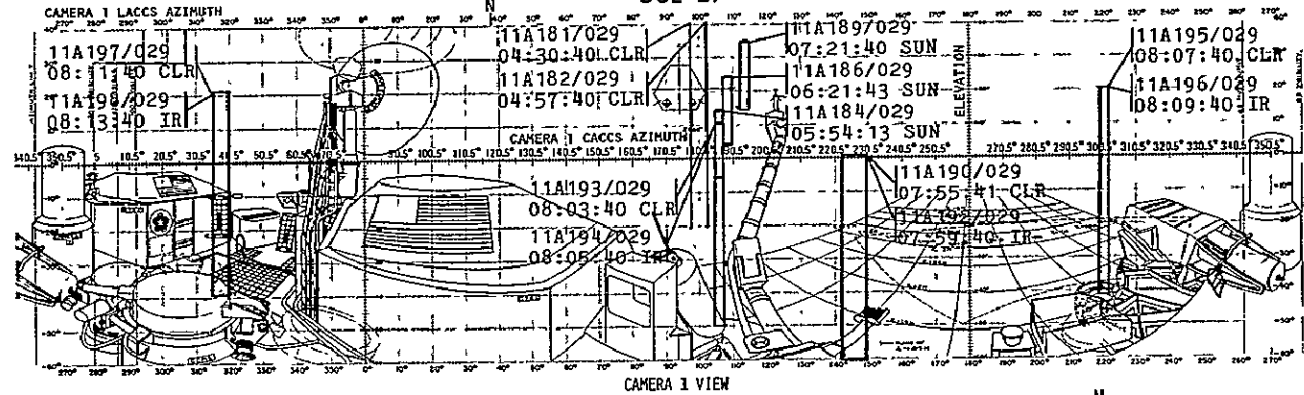


CAMERA 1 VIEW

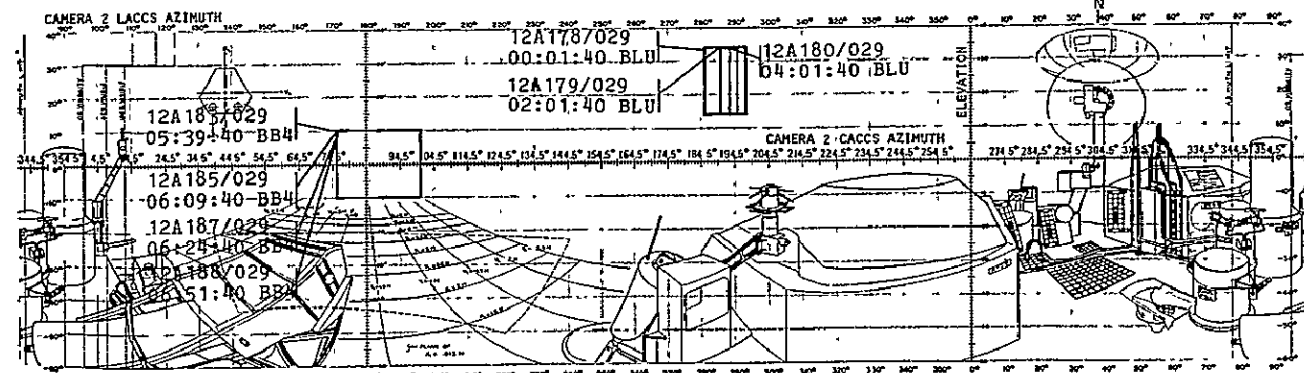


CAMERA 2 VIEW

SOL 29

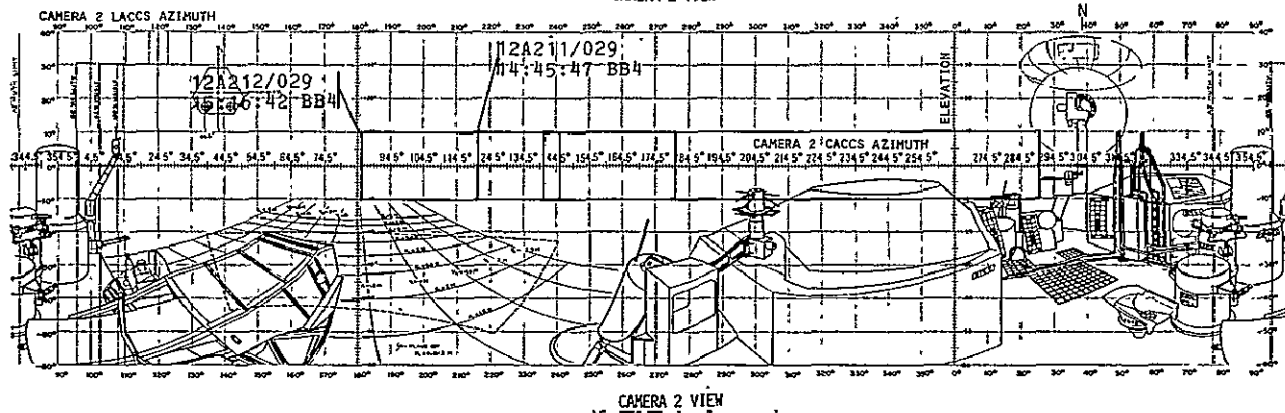
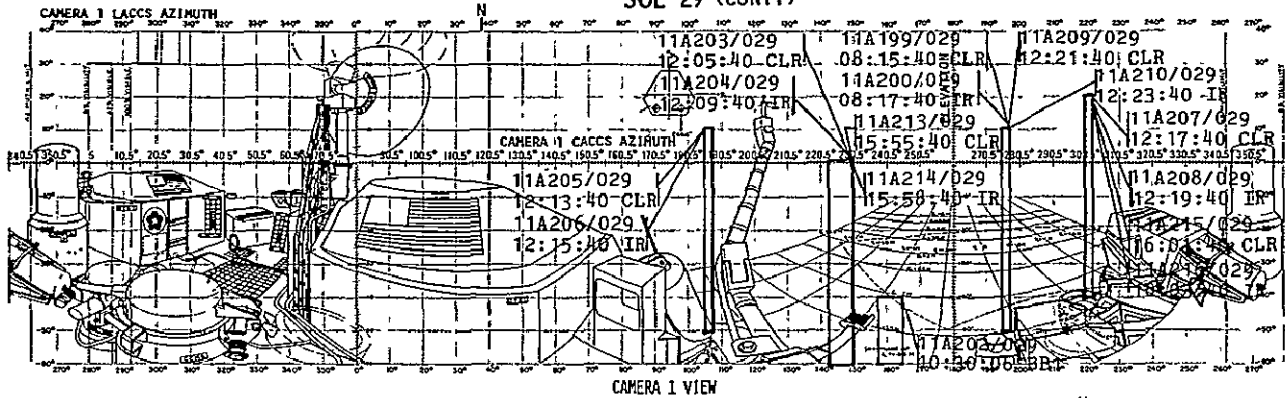


CAMERA 1 VIEW

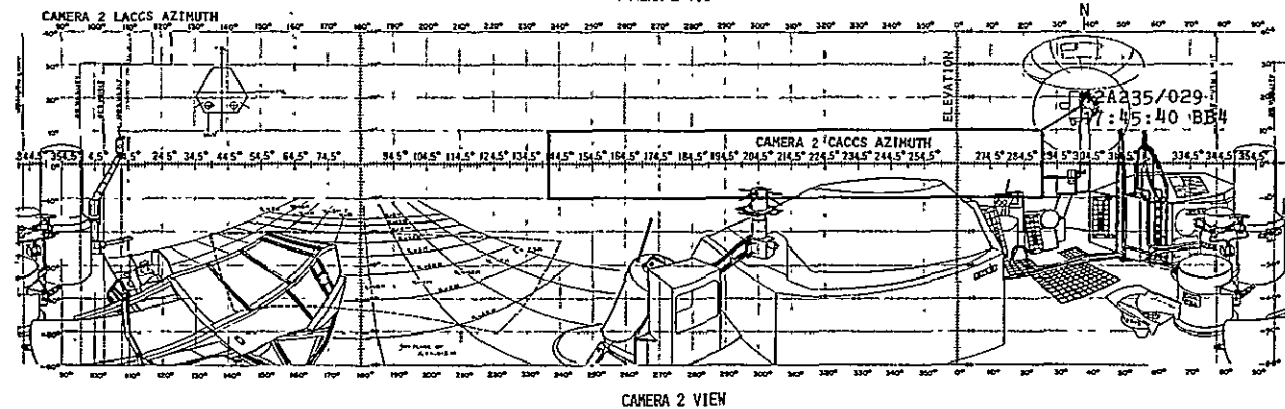
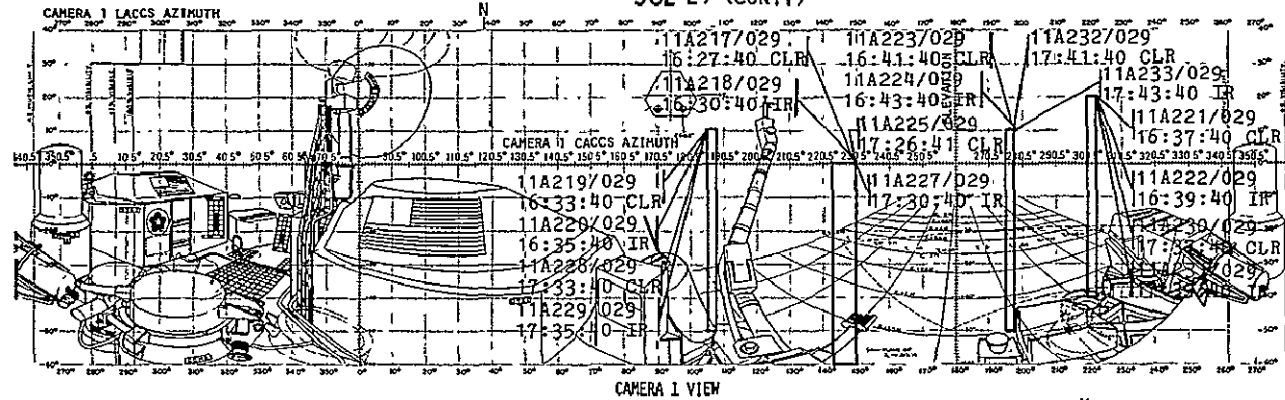


CAMERA 2 VIEW

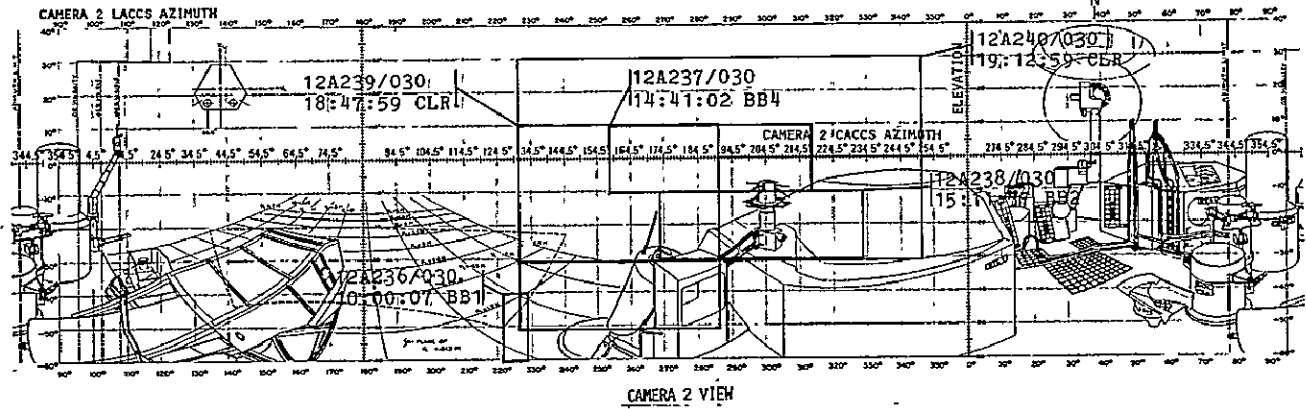
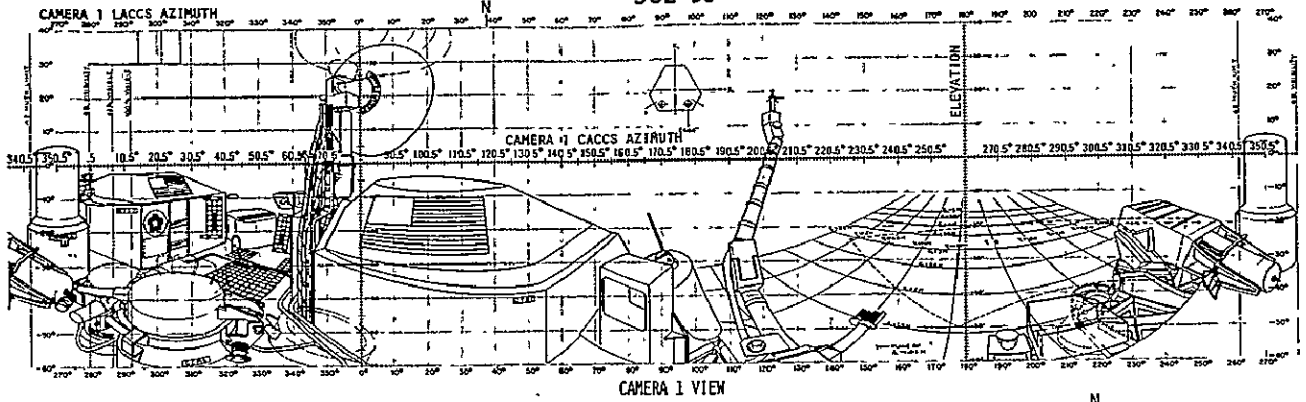
VL-1
SOL 29 (CONT.)



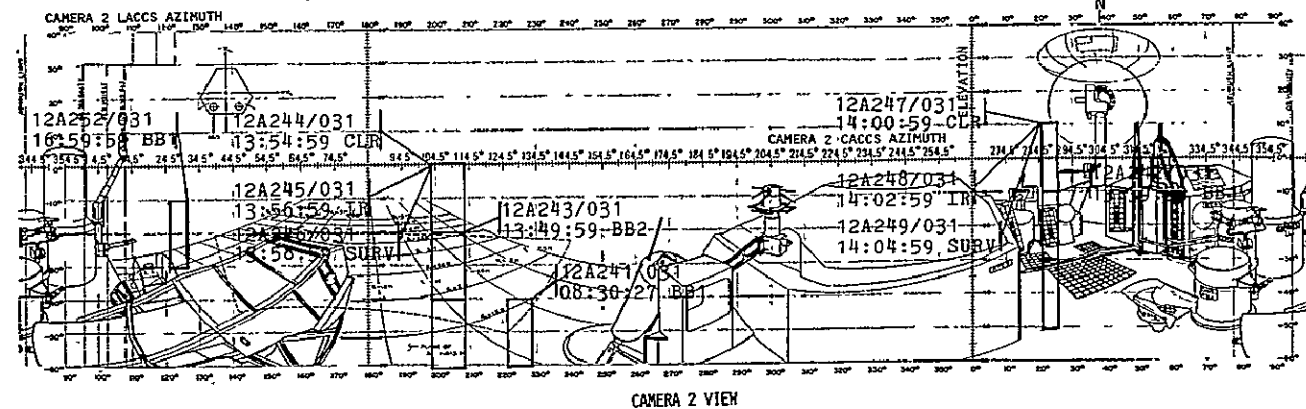
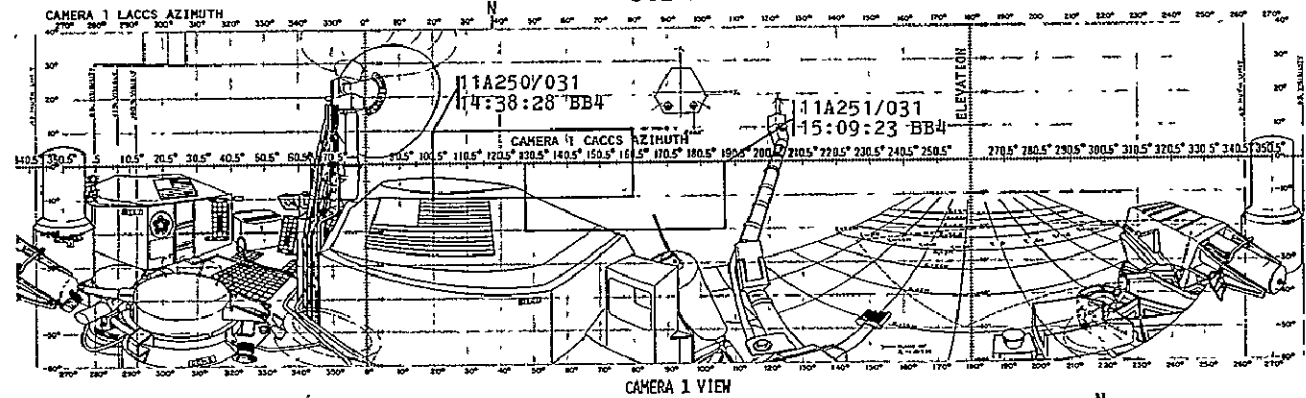
SOL 29 (CONT.)



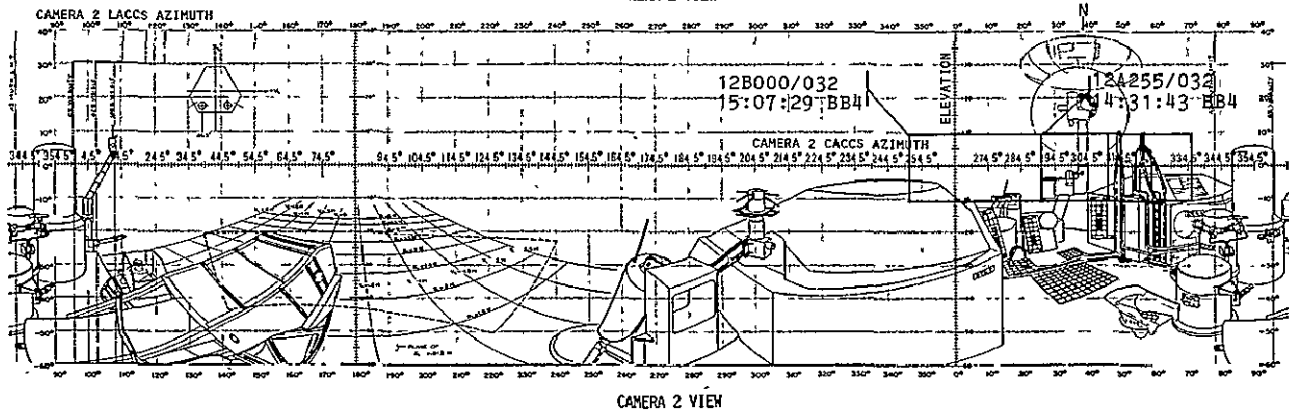
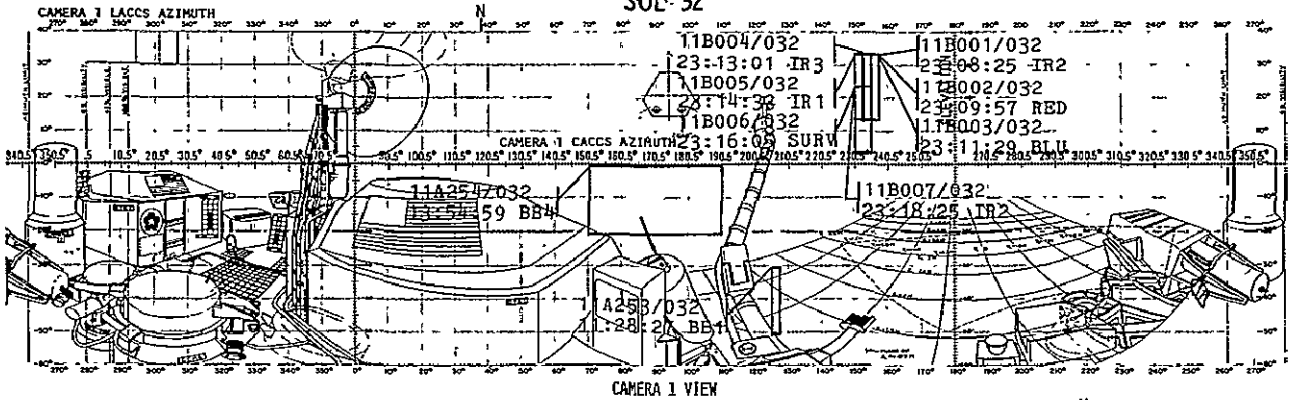
VL-1
SOL 30



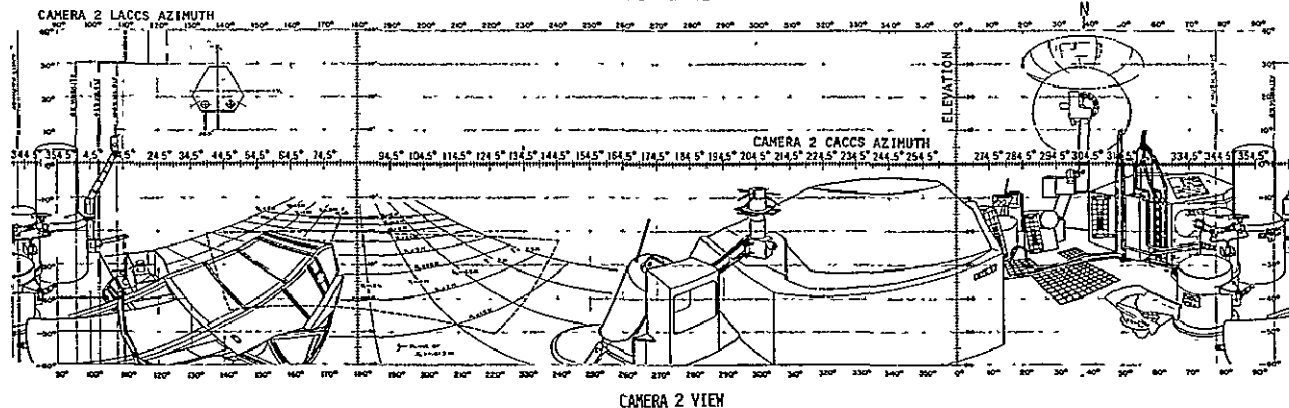
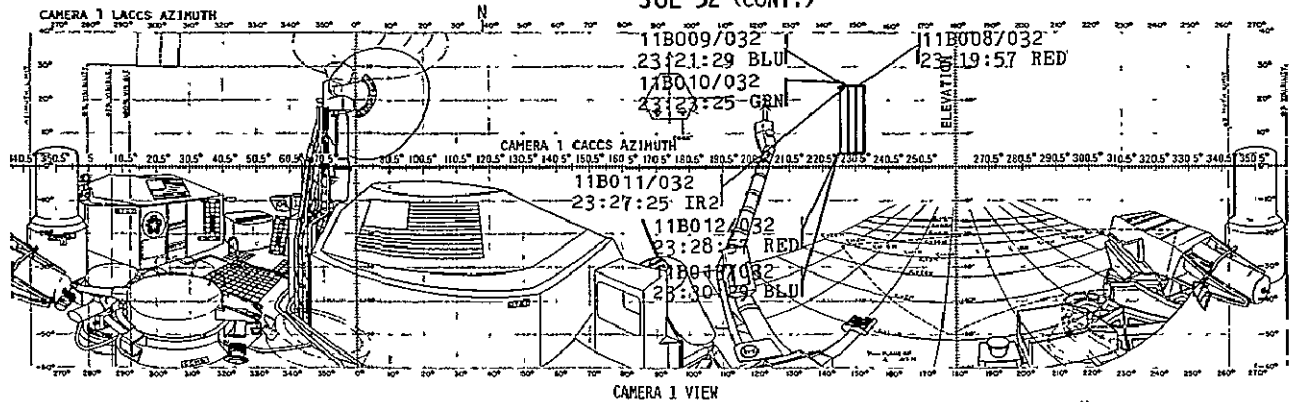
SOL 31



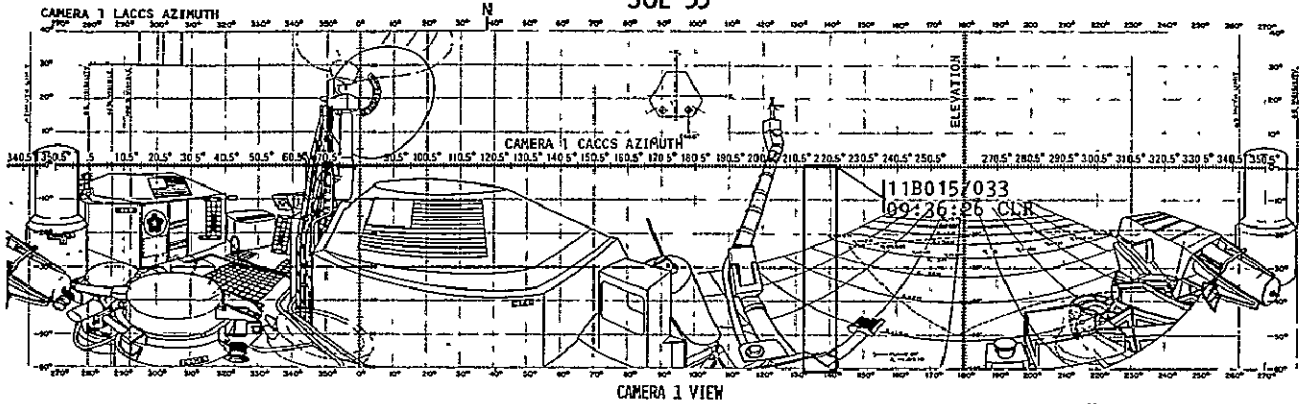
VL-1
SOL-32



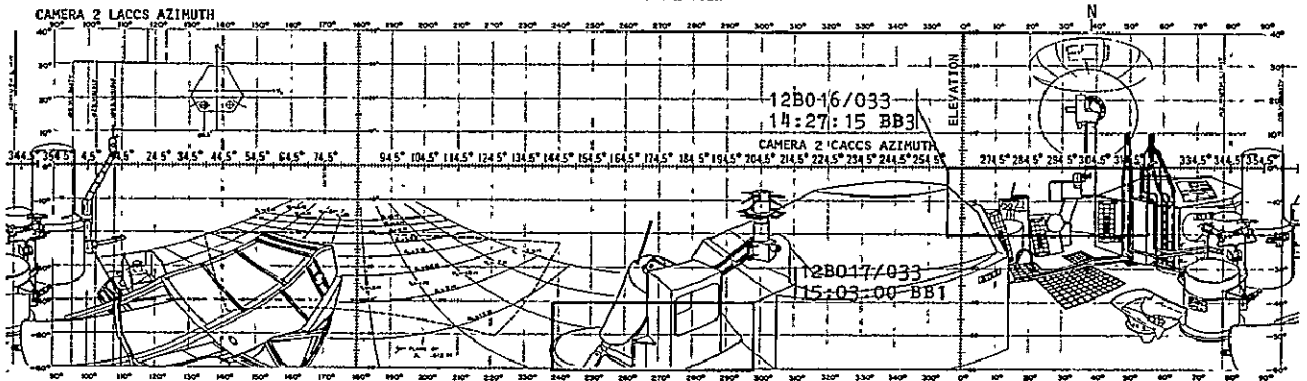
SOL 32 (CONT.)



VL-1
SOL 33

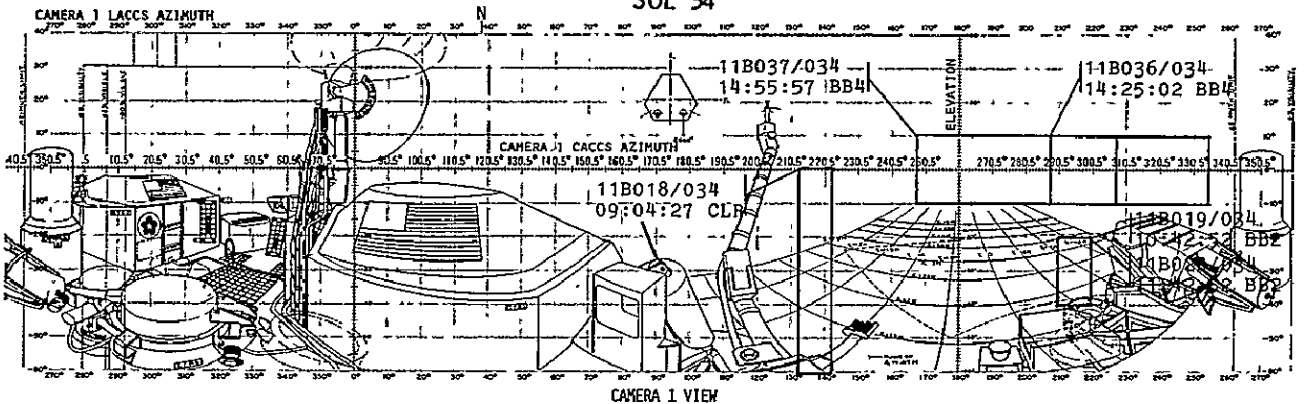


CAMERA 1 VIEW

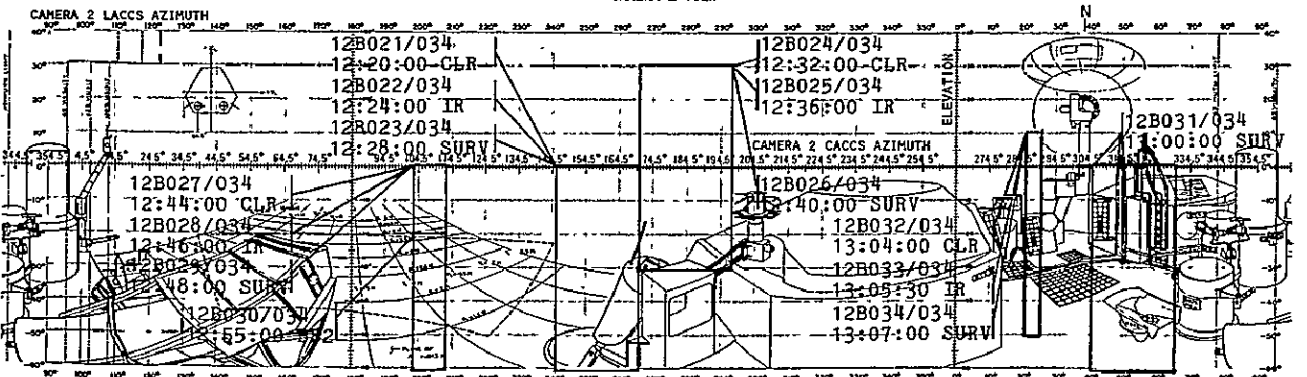


CAMERA 2 VIEW

SOL 34

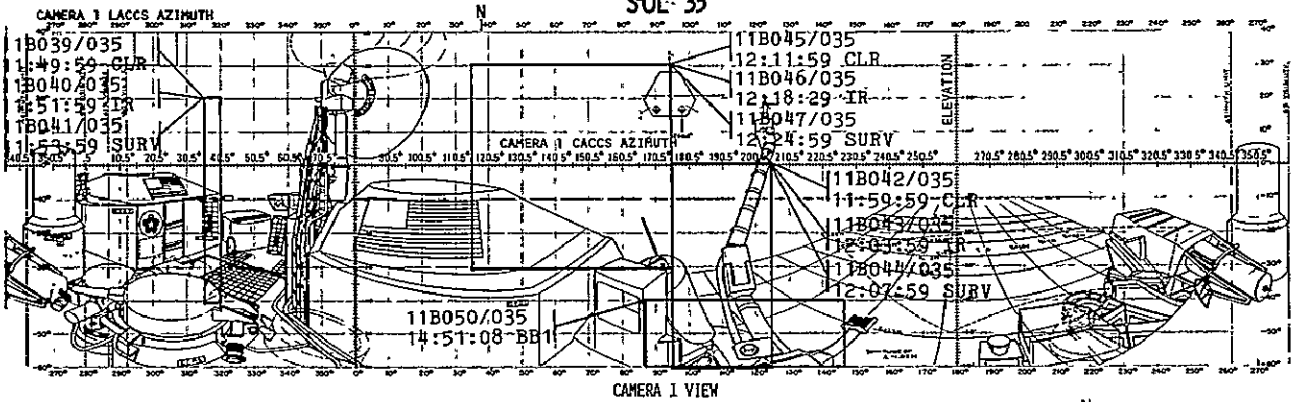


CAMERA 1 VIEW

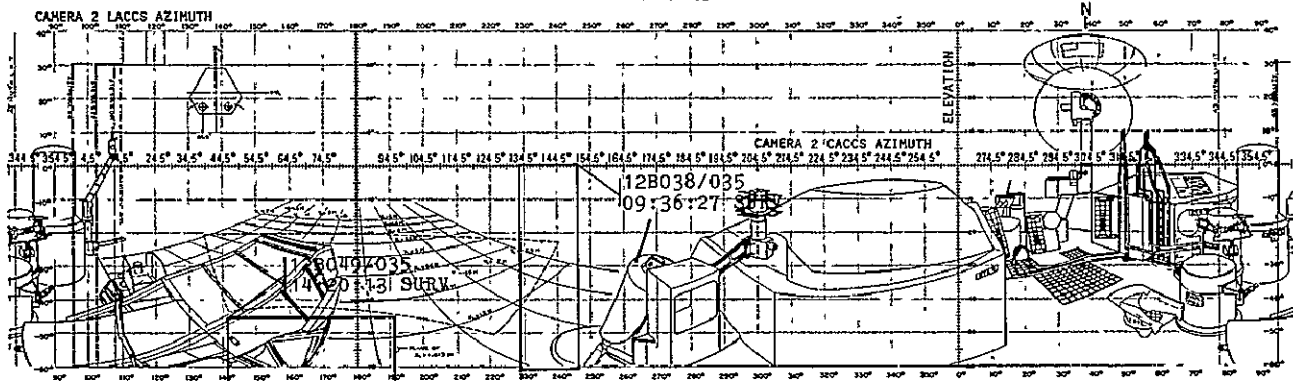


CAMERA 2 VIEW

VL-1
SOL- 35

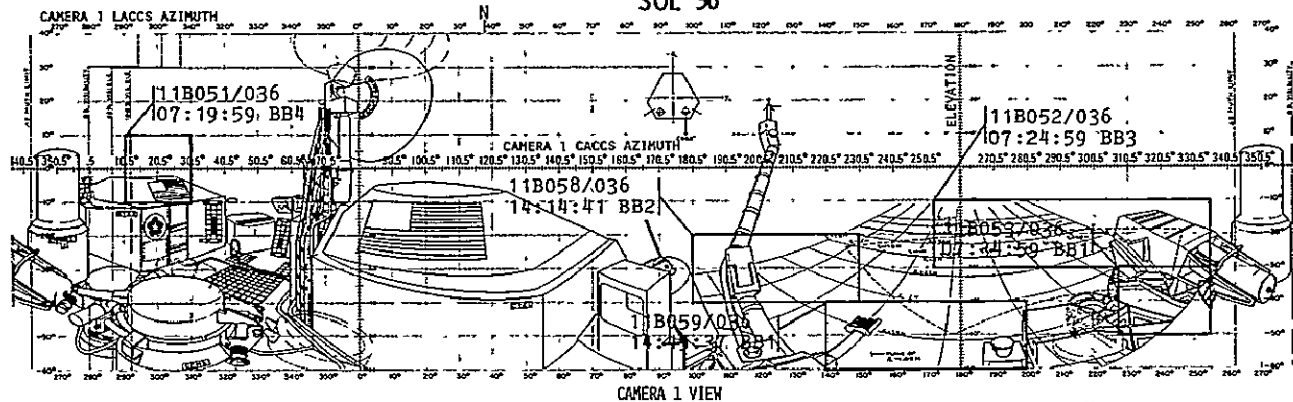


CAMERA 1 VIEW

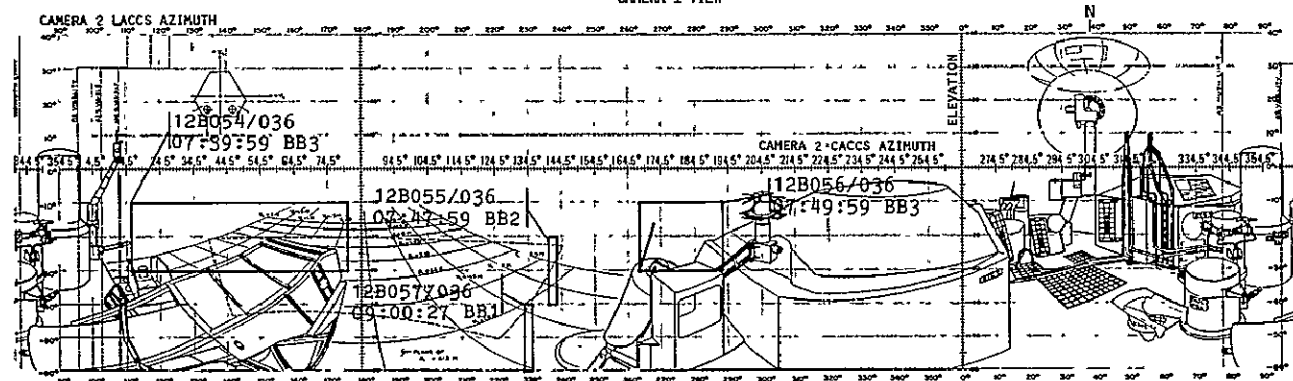


CAMERA 2 VIEW

SOL 36

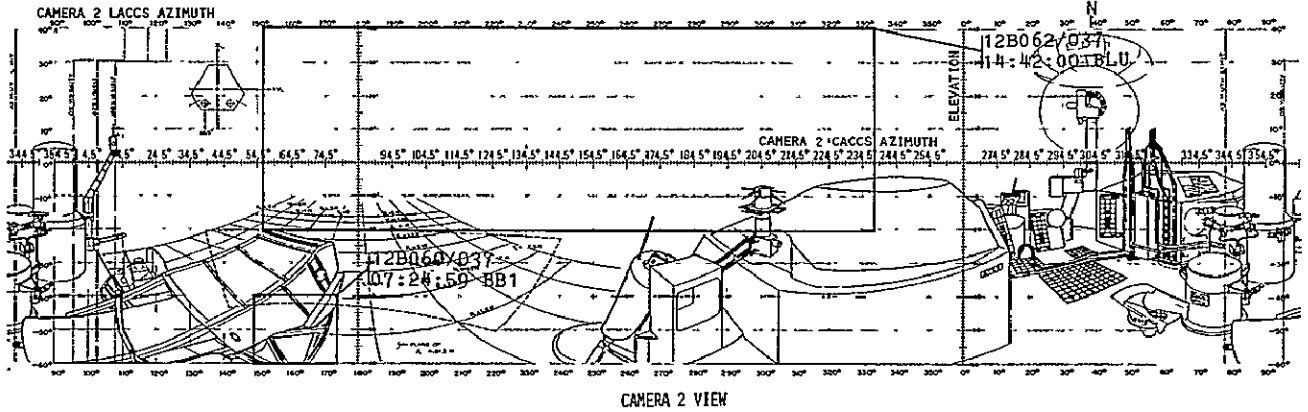
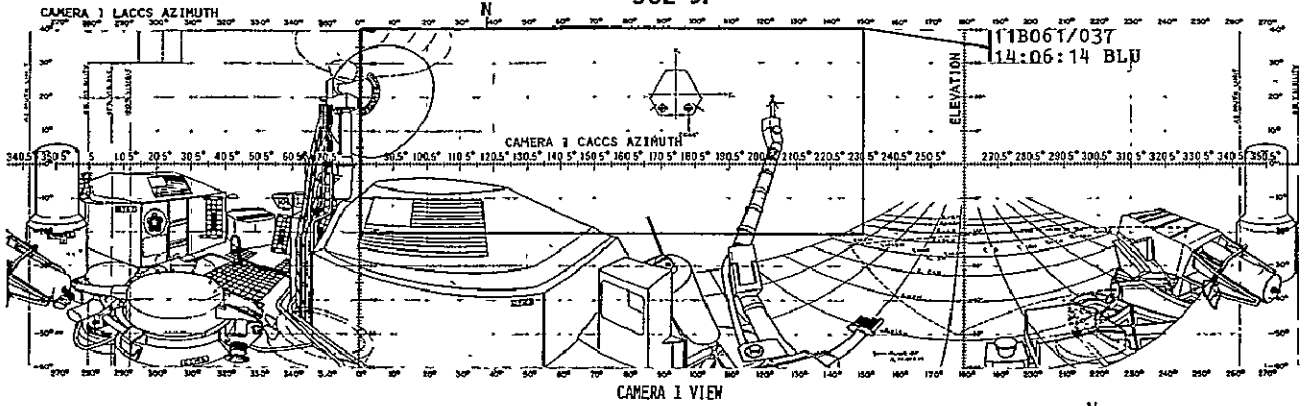


CAMERA 1 VIEW

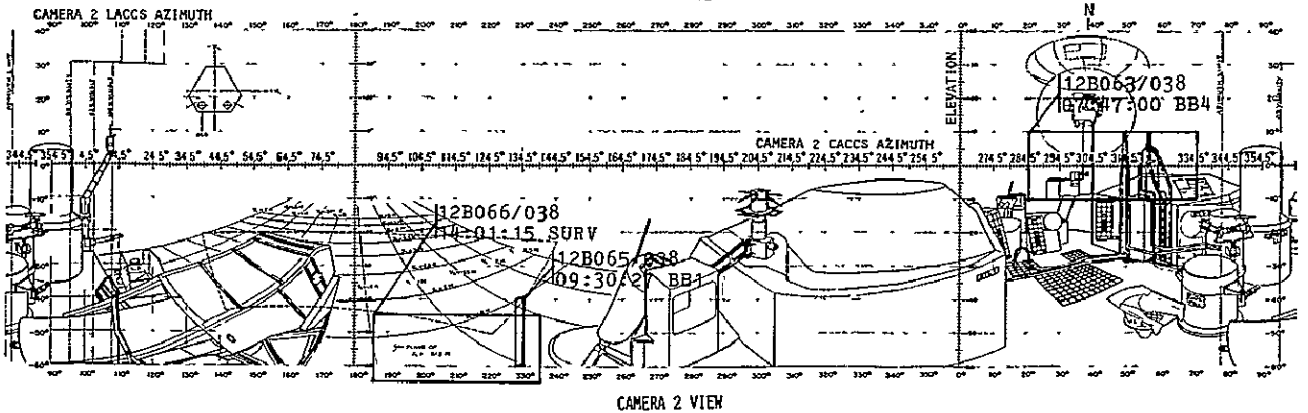
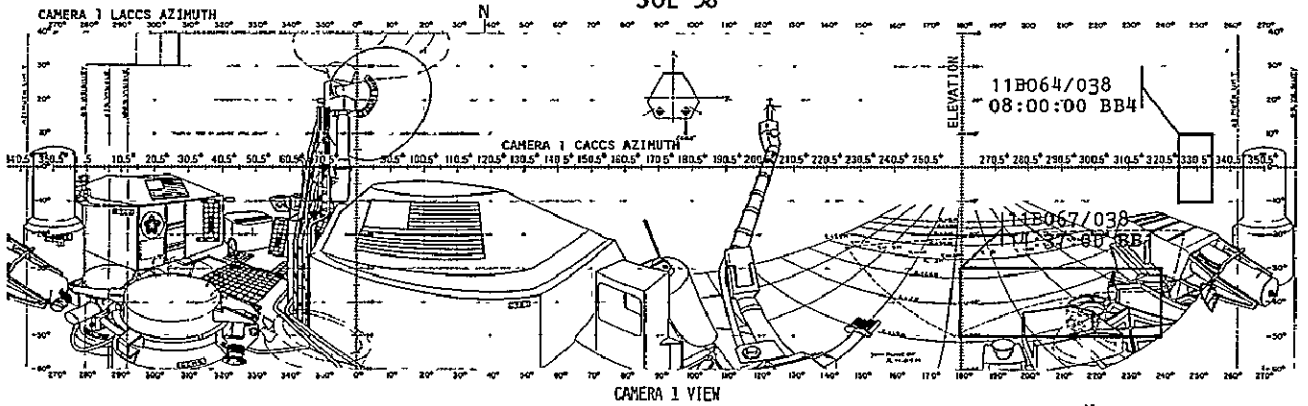


CAMERA 2 VIEW

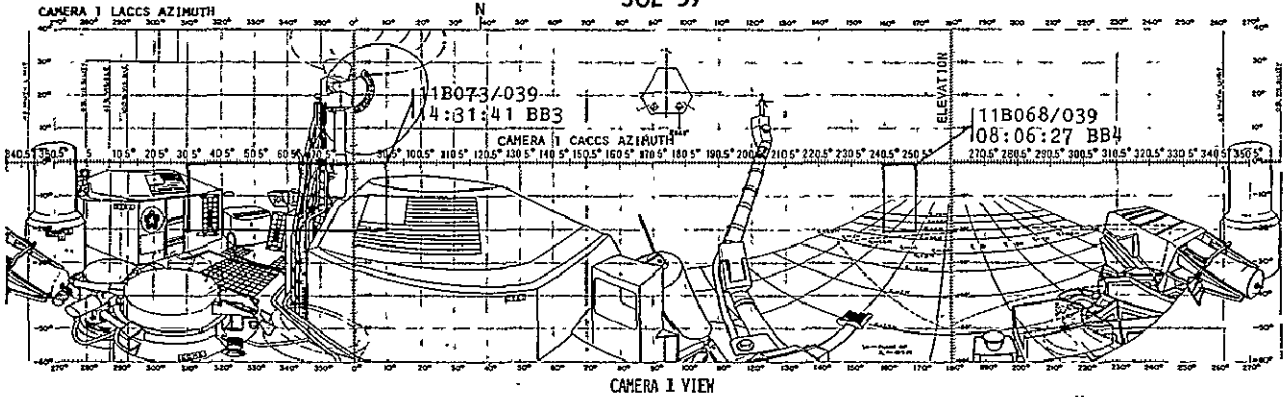
VL-1
SOL 37



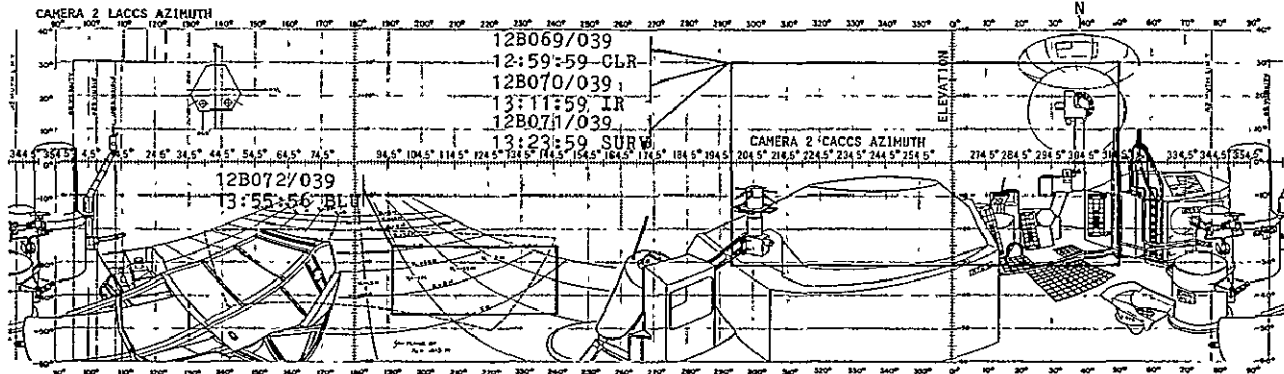
SOL 38



VI-1
SOL 39

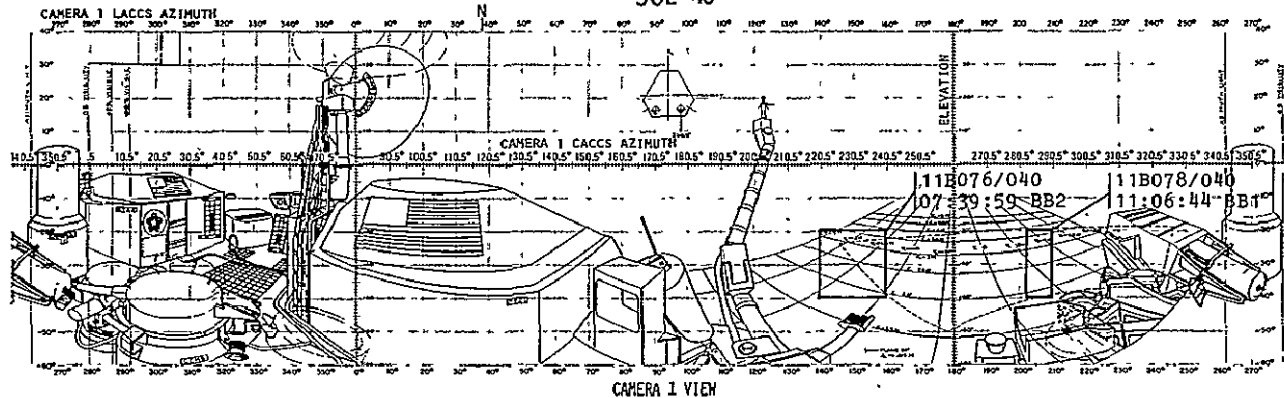


CAMERA 1 VIEW

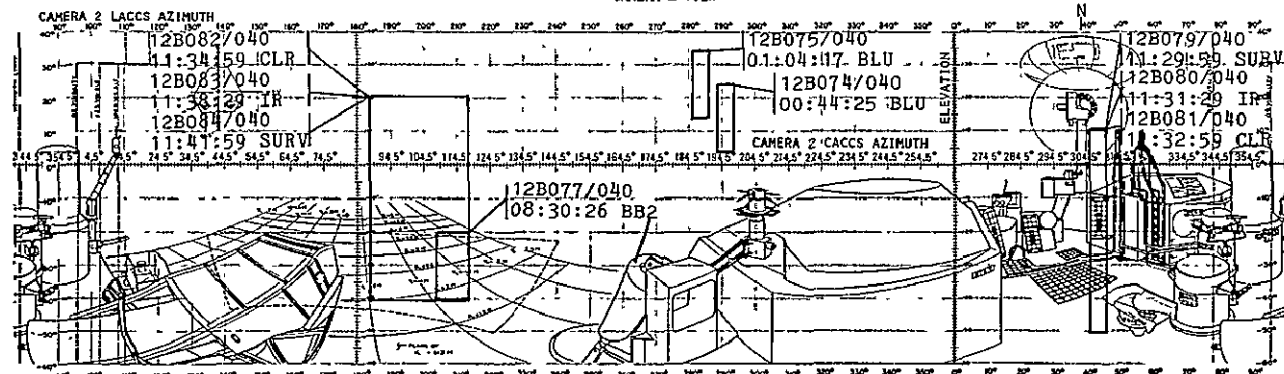


CAMERA 2 VIEW

SOL 40

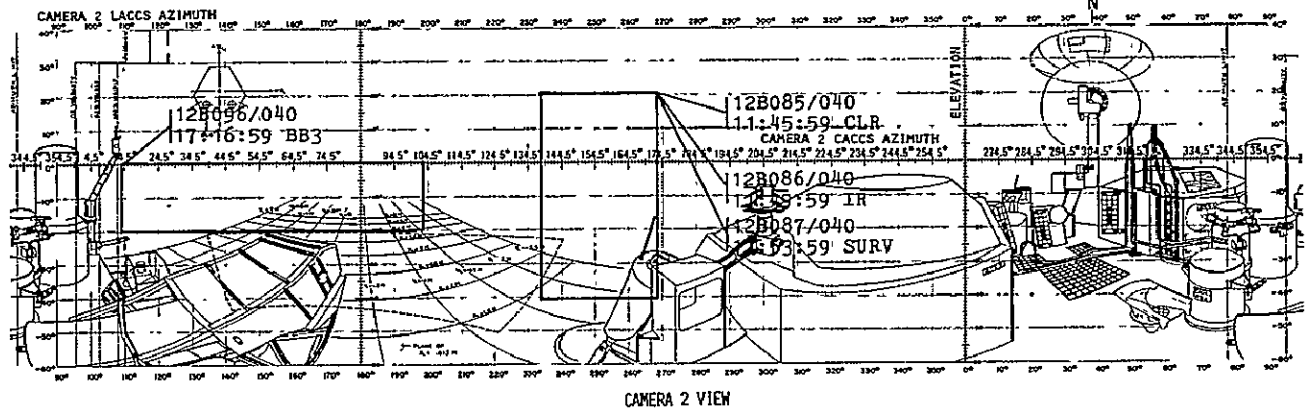
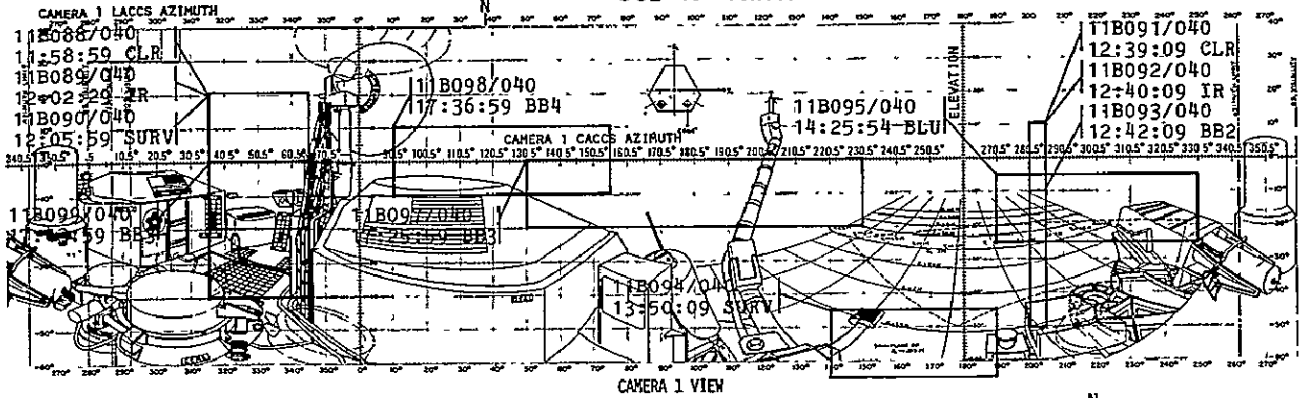


CAMERA 1 VIEW

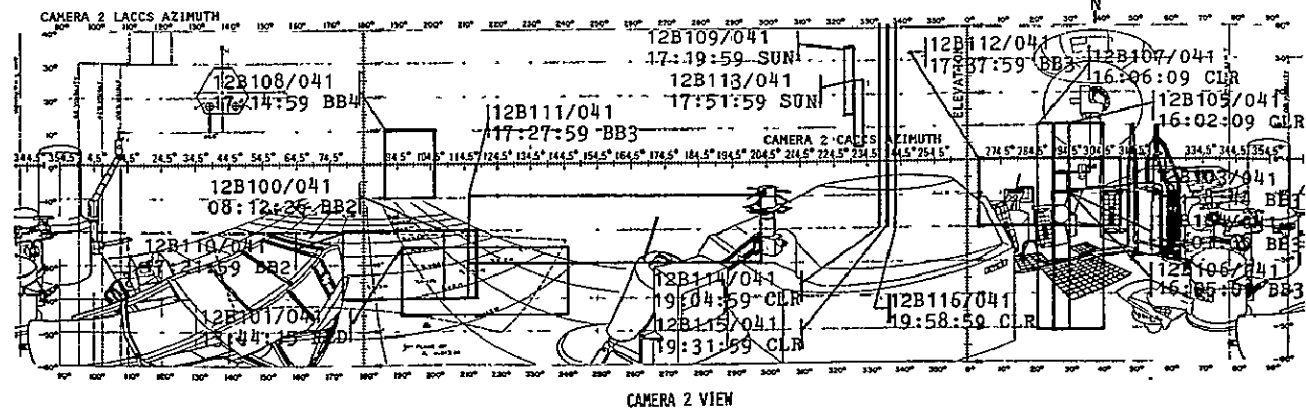
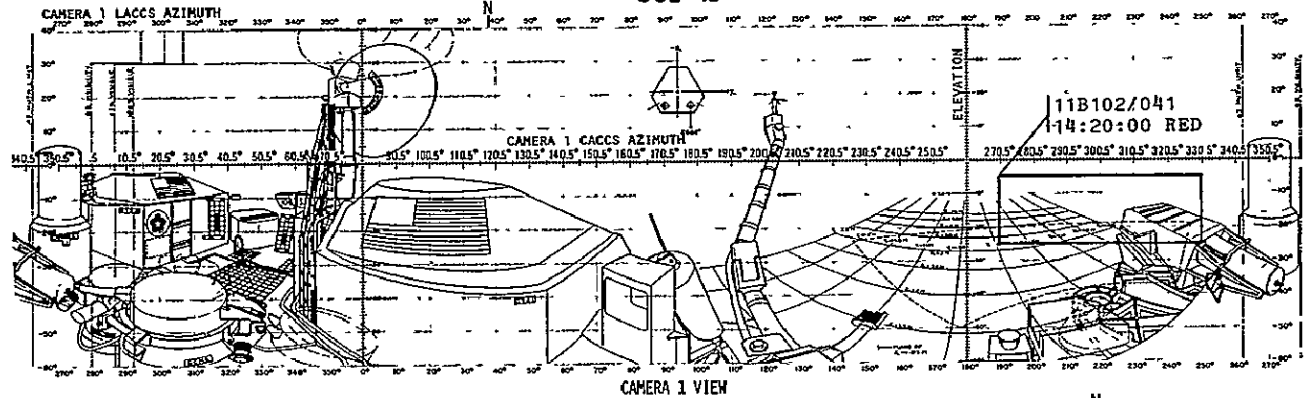


CAMERA 2 VIEW

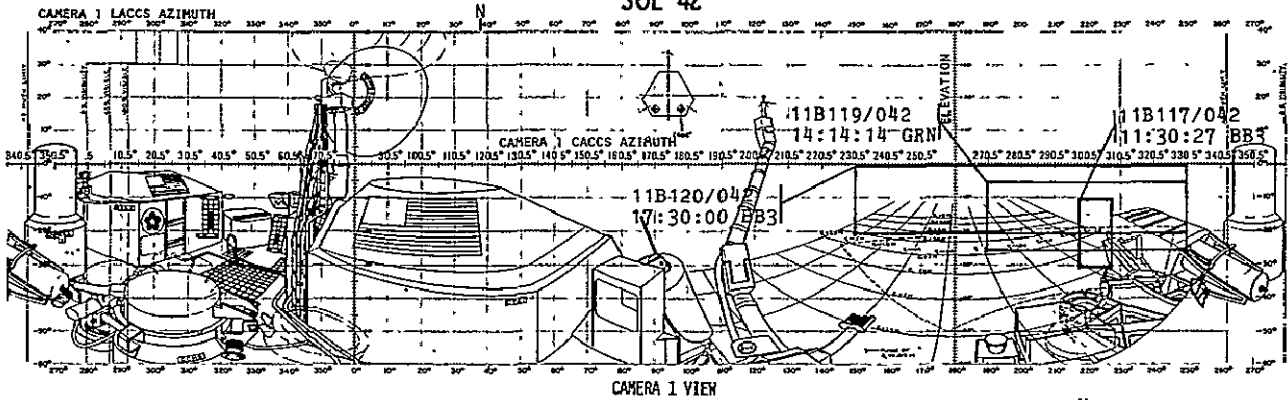
VL-1
SQL 40 (CONT.)



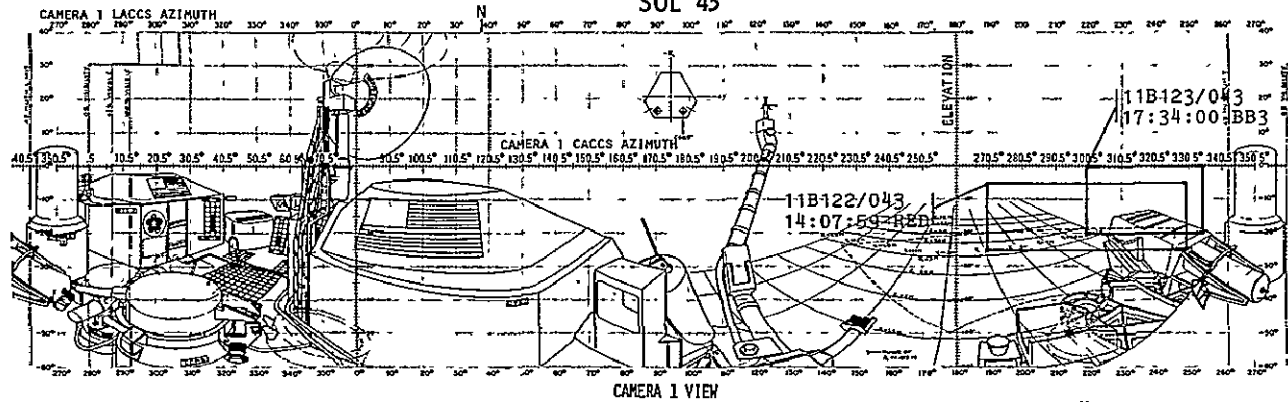
SOL 41



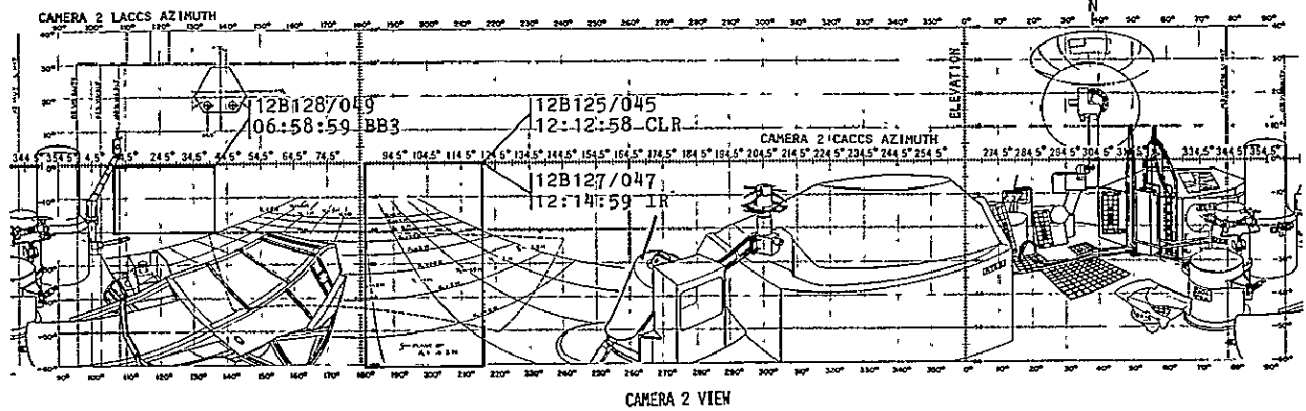
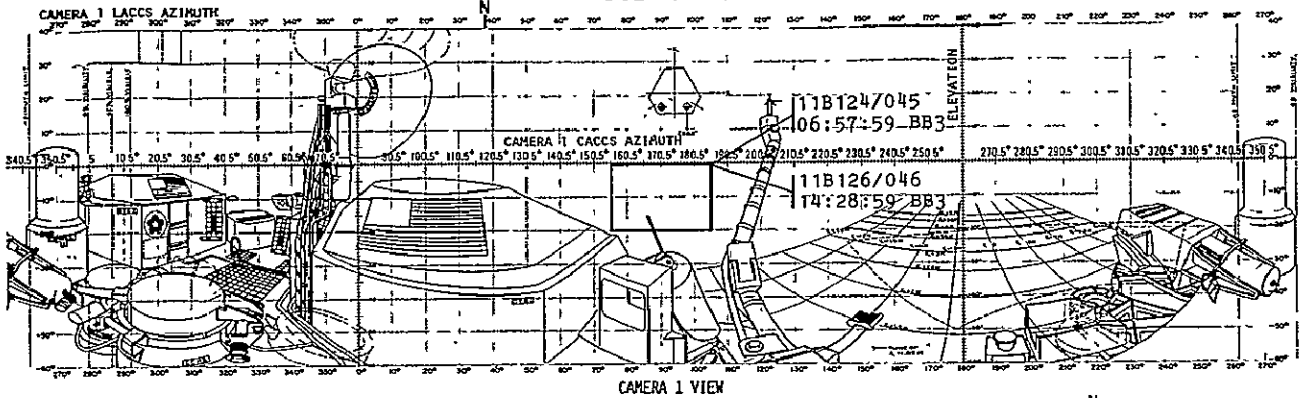
VL-1
SOL 42



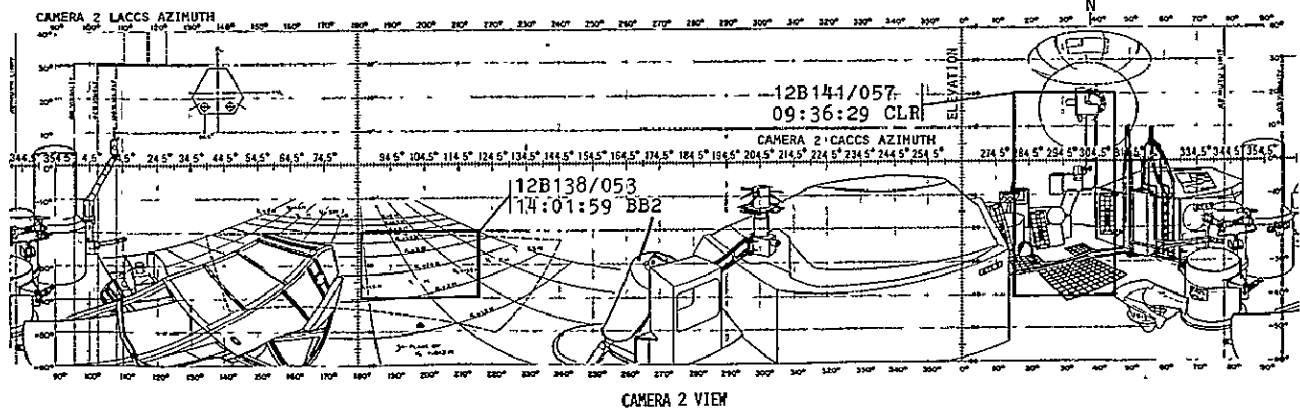
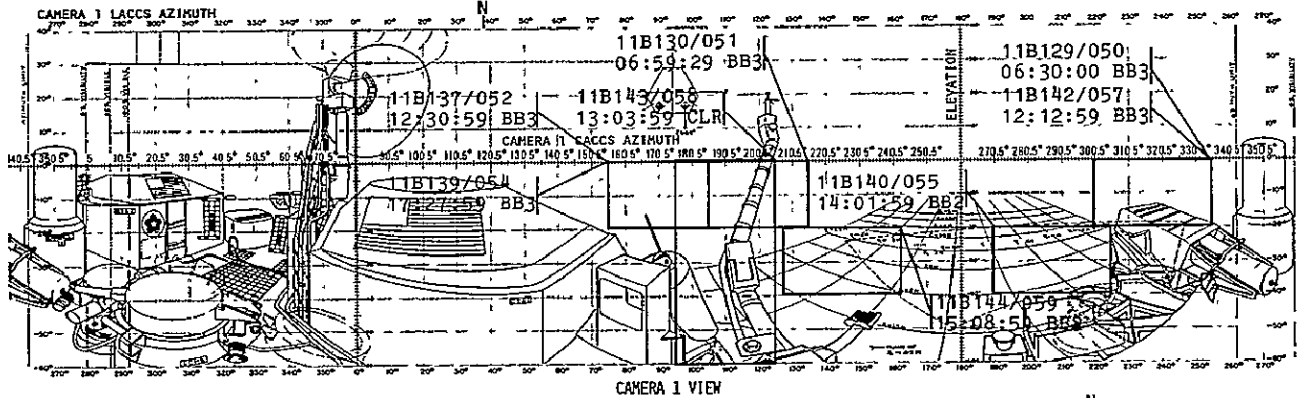
SOL 43



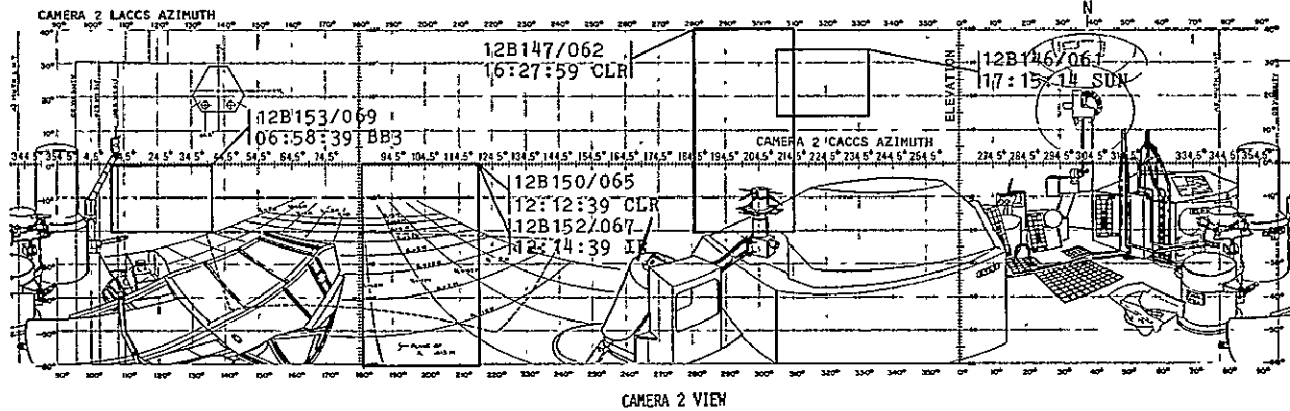
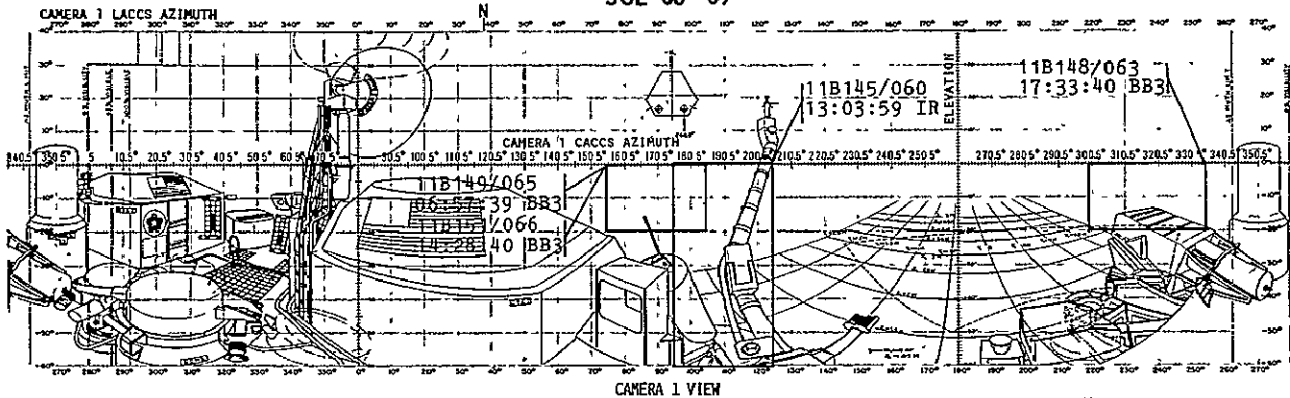
VL-1
SOL 45-49



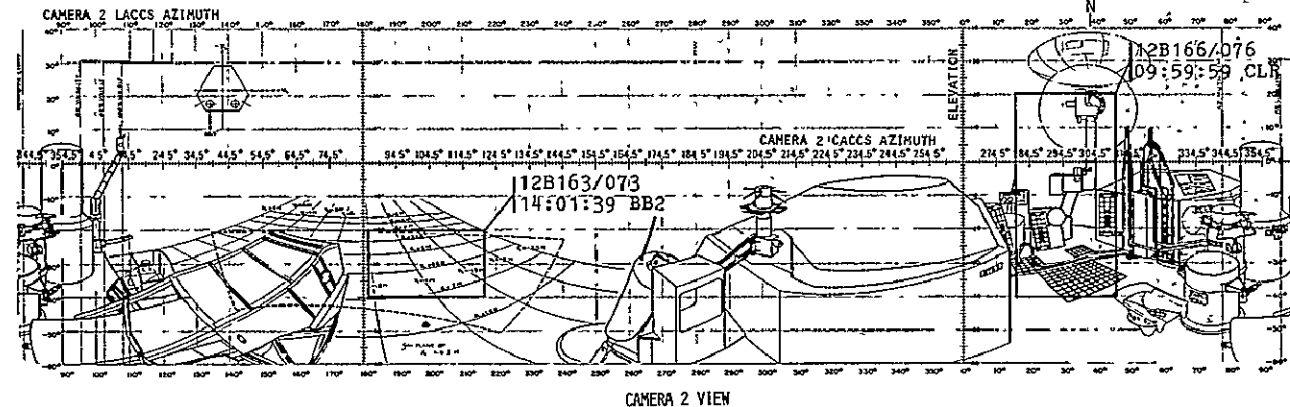
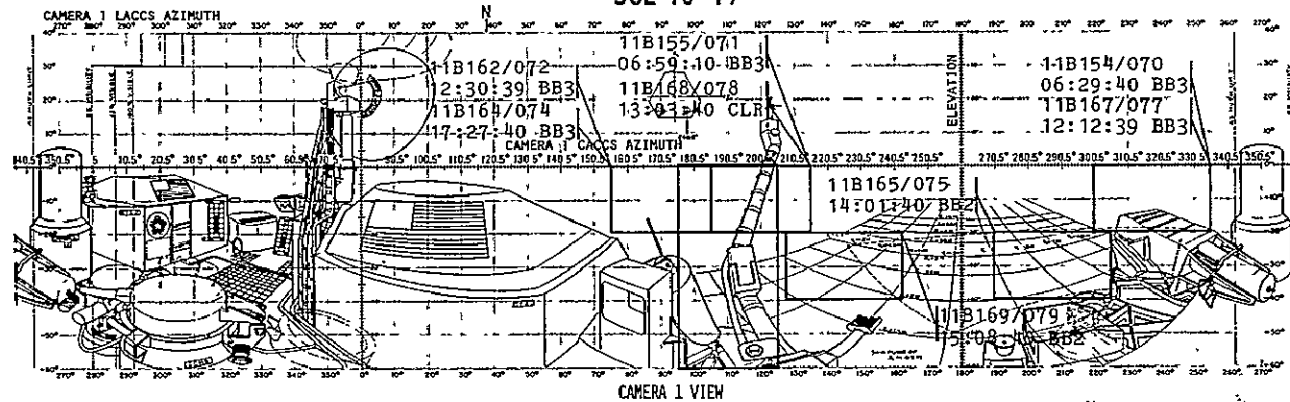
SOL 50-59



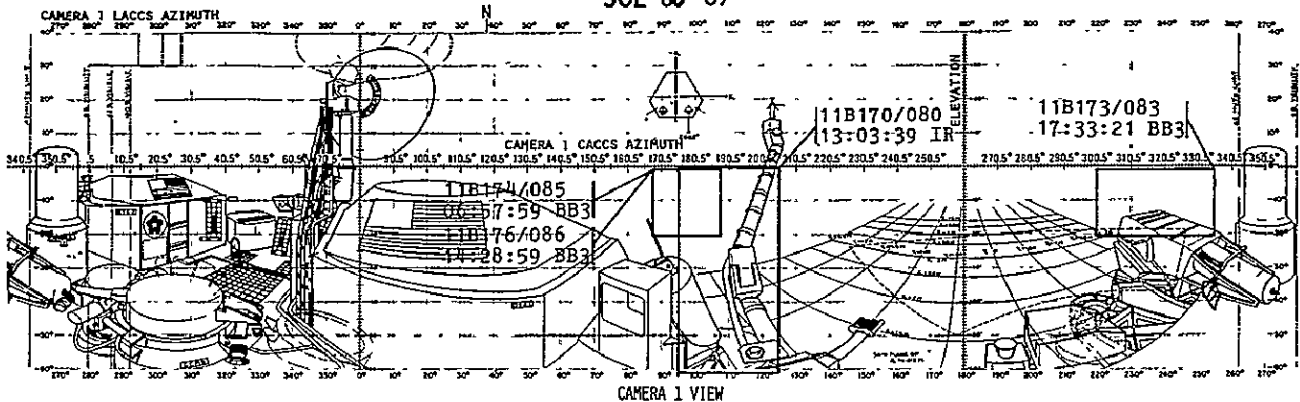
VL-1
SOL 60-69



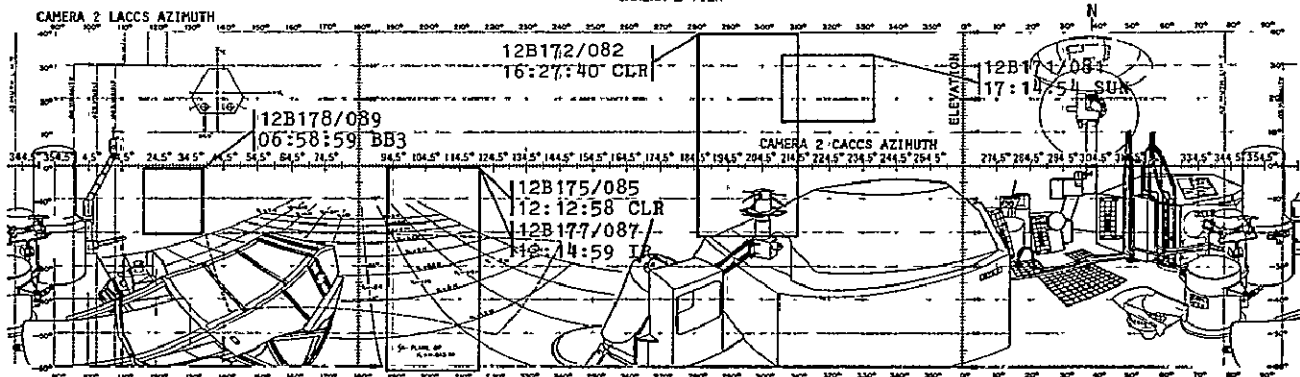
SOL 70-79



VL-1
SOL 80-89

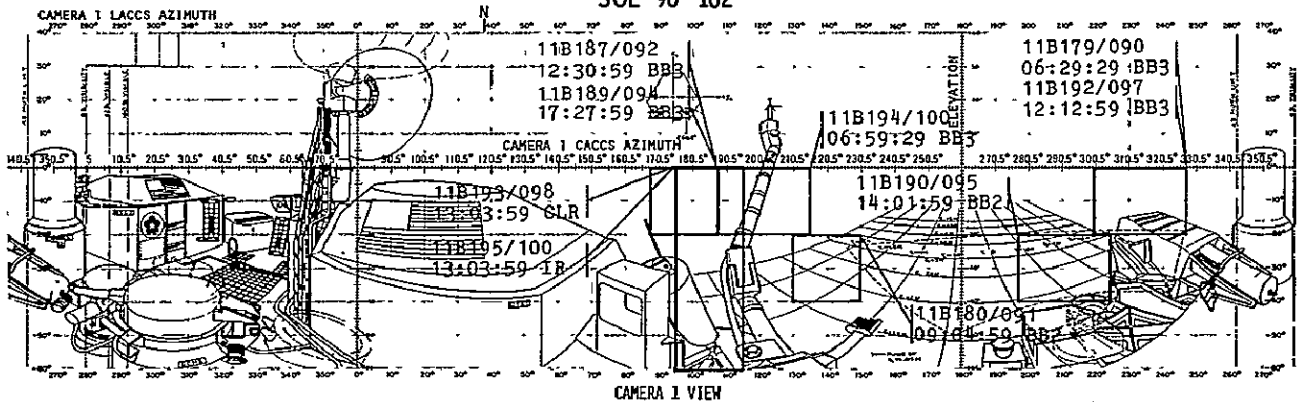


CAMERA 1 VIEW

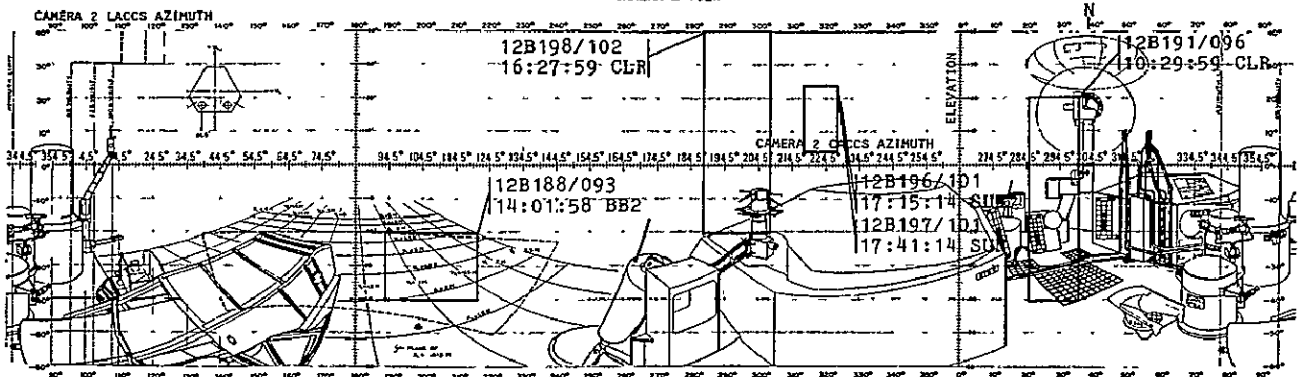


CAMERA 2 VIEW

SOL 90-102



CAMERA 1 VIEW



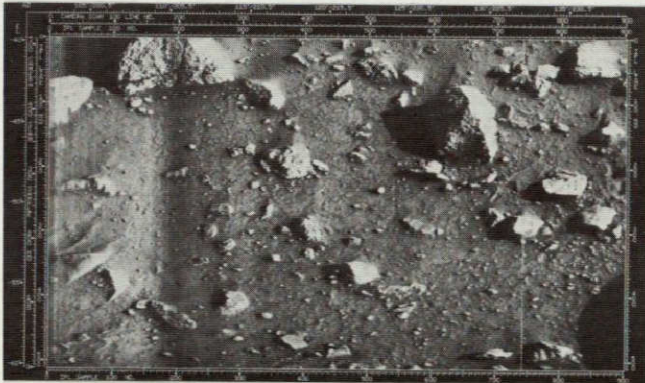
CAMERA 2 VIEW

VL-1 EDR IMAGES

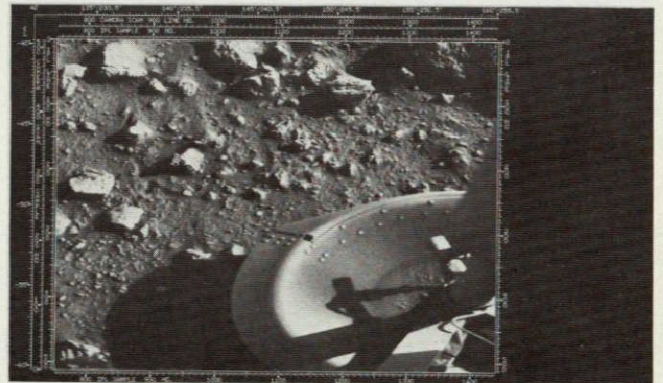
VL-1 EDR IMAGES

This section contains the experiment data record images for VL-1. The format for these image displays is described in the section "Viking Lander Experiment Data Record Images for Primary Mission."

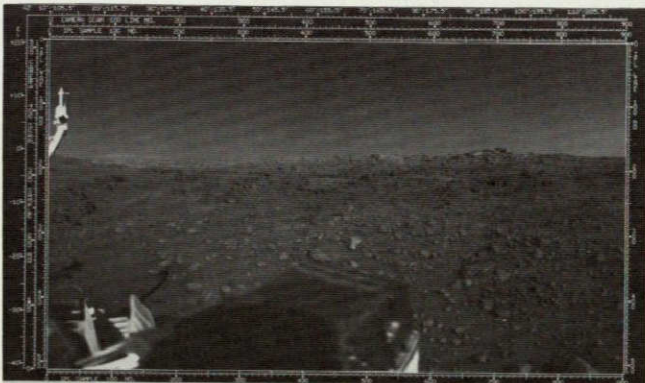
12A001/000-12A002/000



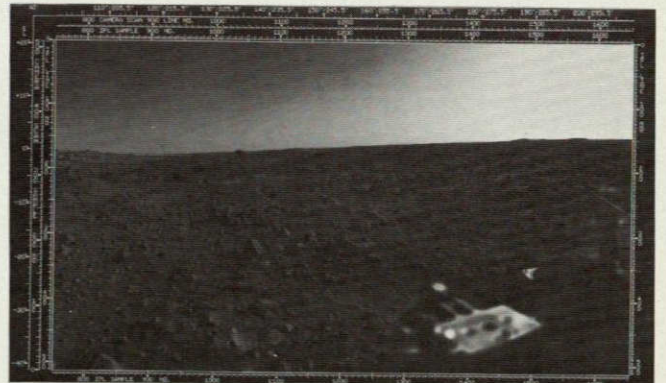
12A001/000 BB1 1/2



12A001/000 BB1 2/2



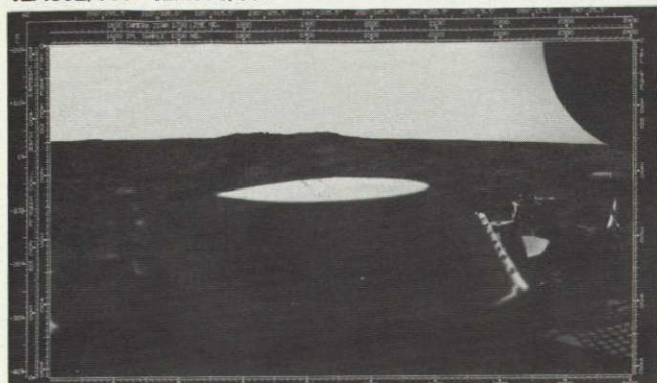
12A002/000 SURV 1/4



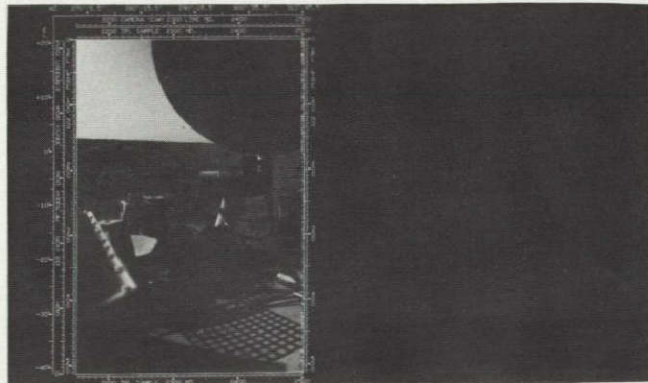
12A002/000 SURV 2/4

12A002/000-12A006/001

VL-1



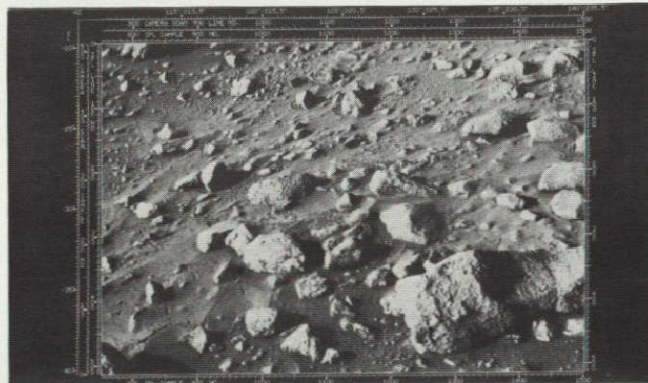
12A002/000 SURV 3/4



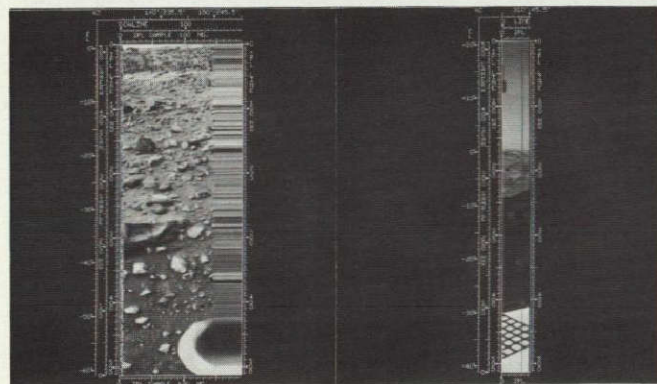
12A002/000 SURV 4/4



12A003/001 BB2 1/2

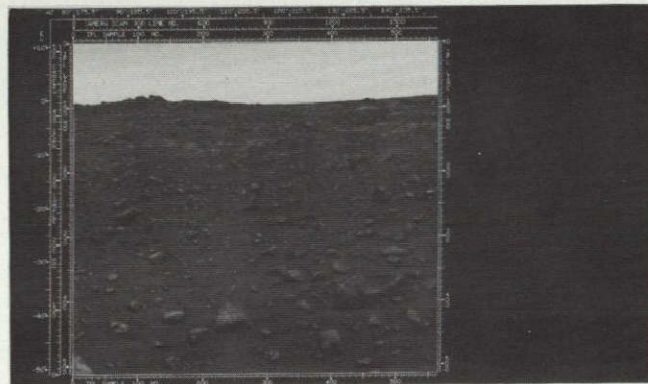


12A003/001 BB2 2/2

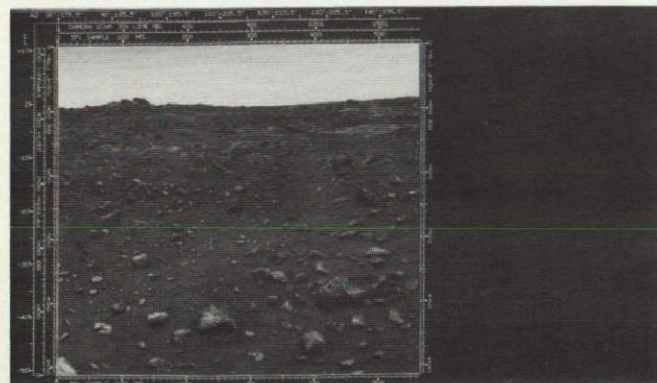


12A004/001 SURV

12A005/001 SURV



12A006/001 BLU/T



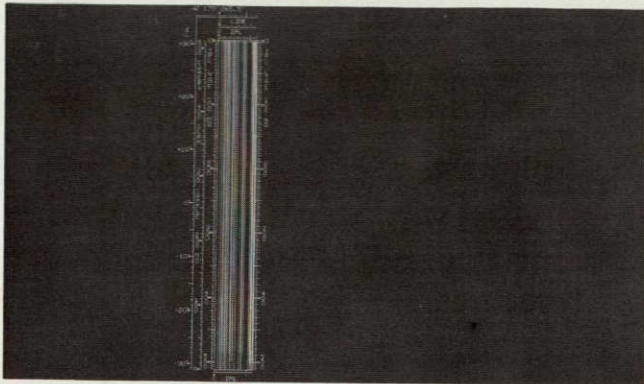
12A006/001 GRN/T



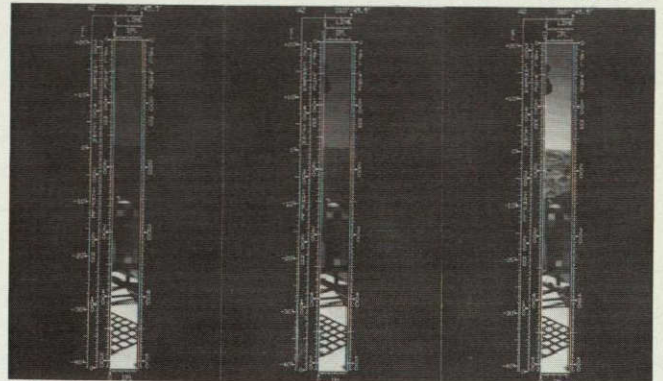
12A006/001 RED/T

VL-1

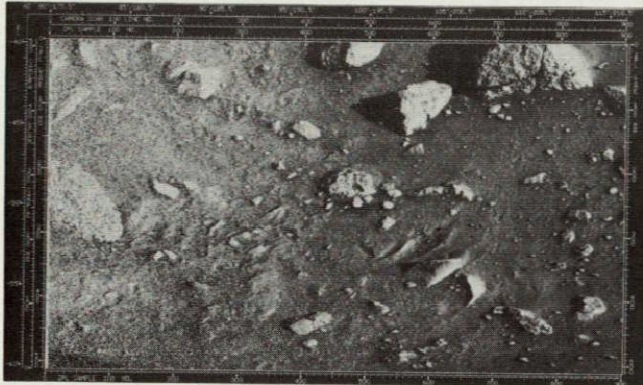
12A007/001-12A010/002



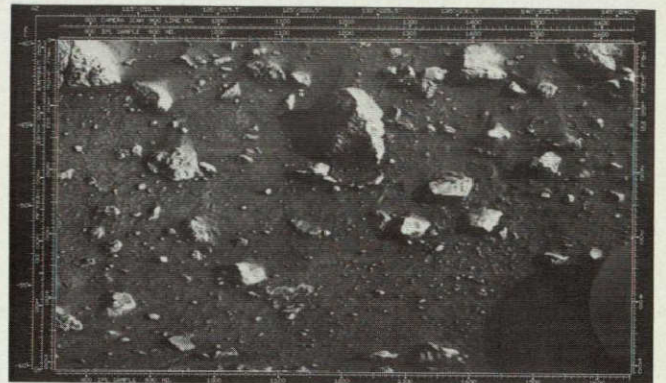
12A007/001 CAL



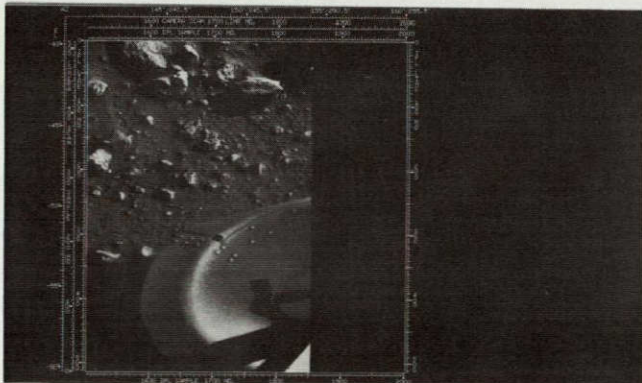
12A008/001 BLU/T 12A008/001 GRN/T 12A008/001 RED/T



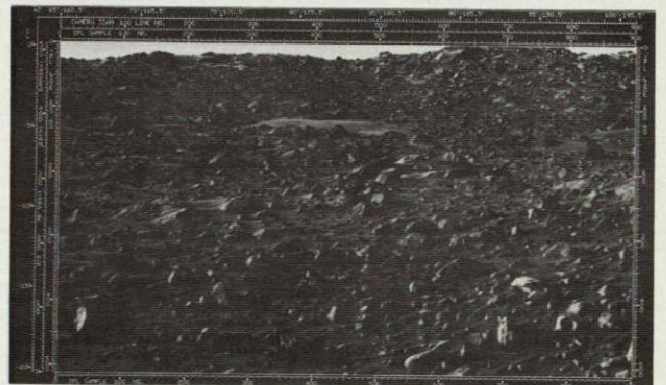
12A009/001 BB1 1/3



12A009/001 BB1 2/3



12A009/001 BB1 3/3



12A010/002 BB4 1/3



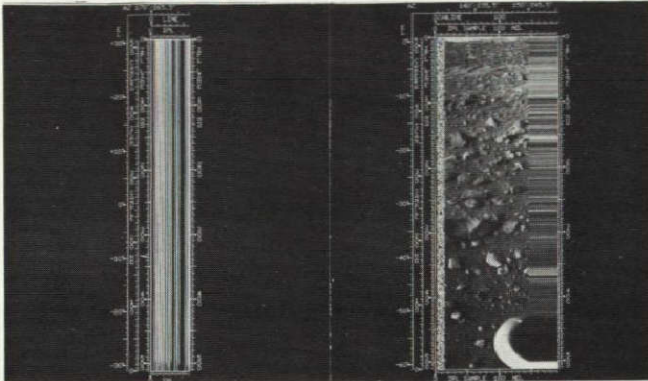
12A010/002 BB4 2/3



12A010/002 BB4 3/3

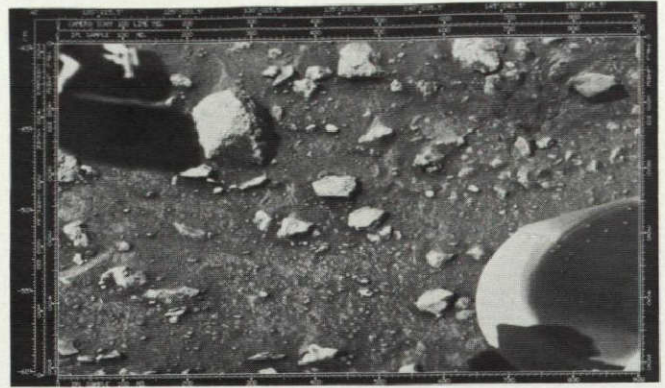
12A011/002-11A018/003

VL-1

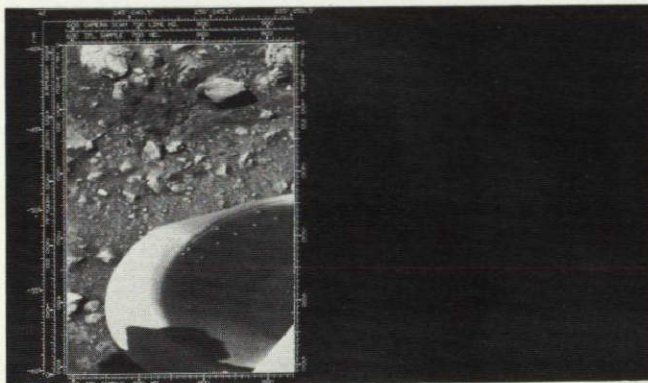


12A011/002 CAL

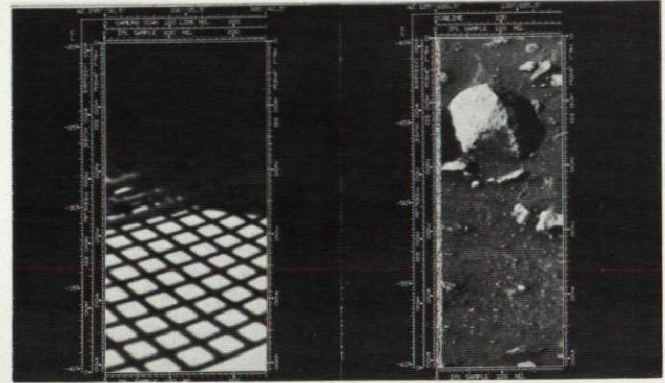
12A012/002 SURV



12A013/002 BB1 1/2

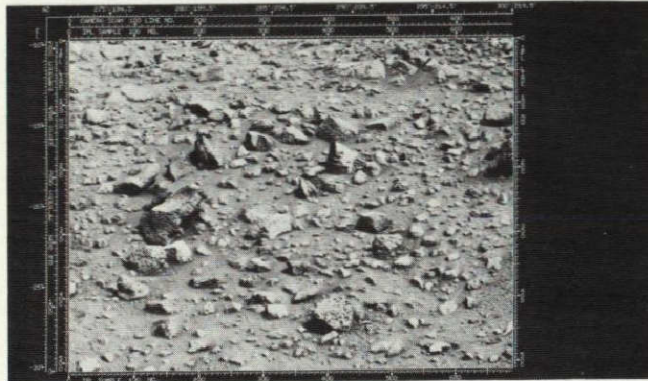


12A013/002 BB1 2/2

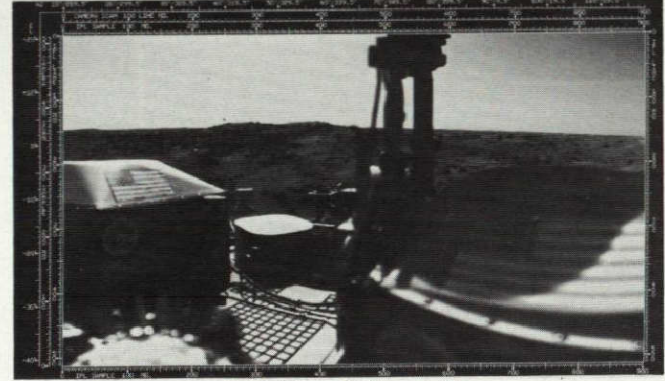


12A014/002 BB1

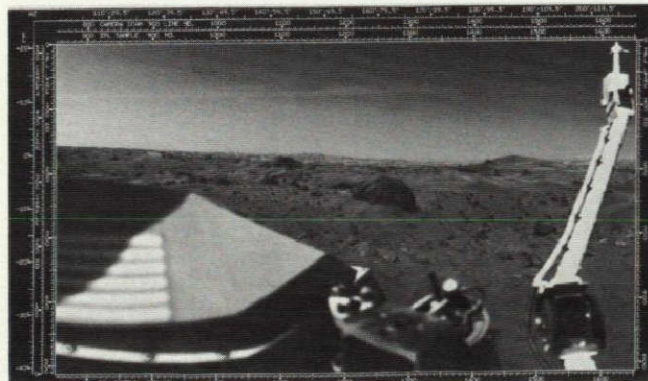
12A016/003 BB1



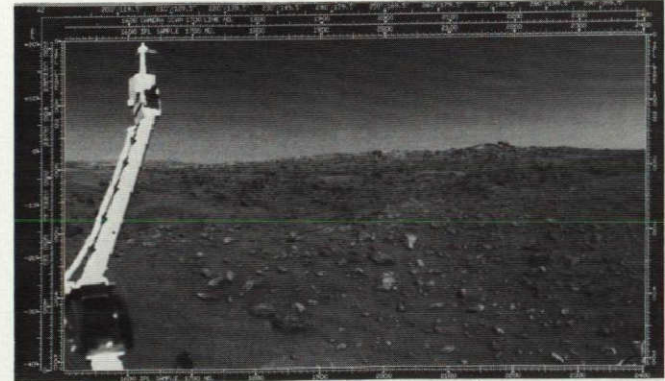
11A017/003 BB3



11A018/003 SURV 1/4



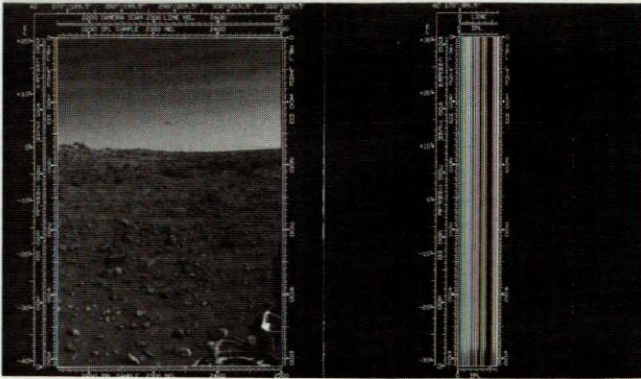
11A018/003 SURV 2/4



11A018/003 SURV 3/4

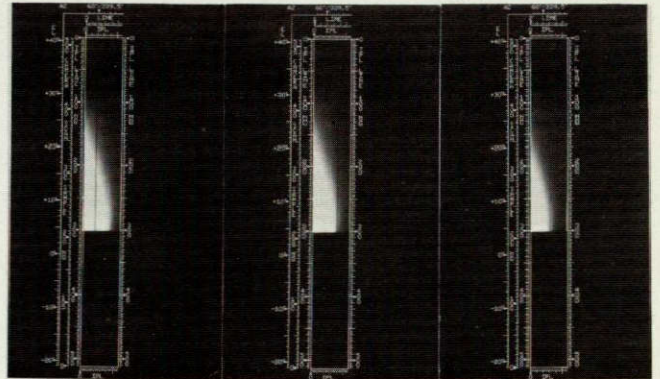
VL-1

11A018/003-11A029/004



11A018/003 SURV 4/4

11A019/003 CAL



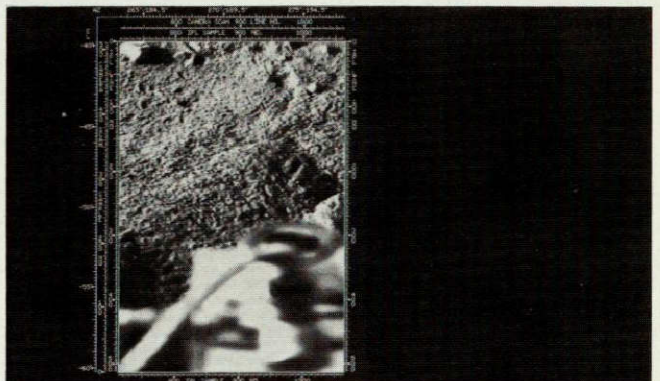
11A021/003 BLU/T

11A021/003 GRN/T

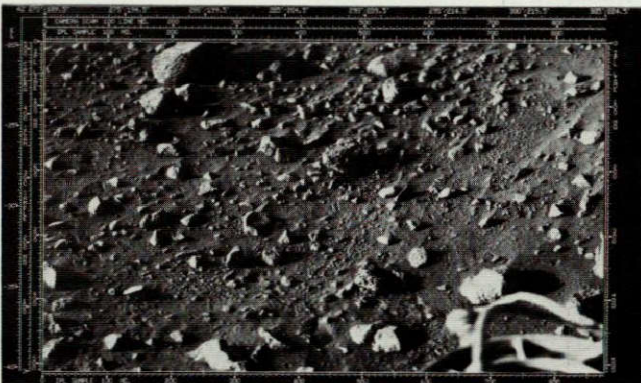
11A021/003 RED/T



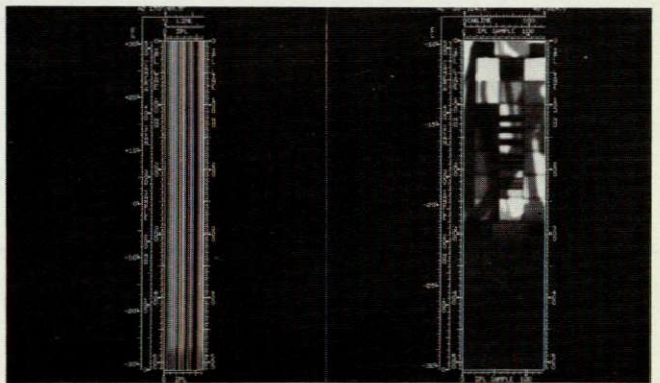
11A022/004 BB1 1/2



11A022/004 BB1 2/2

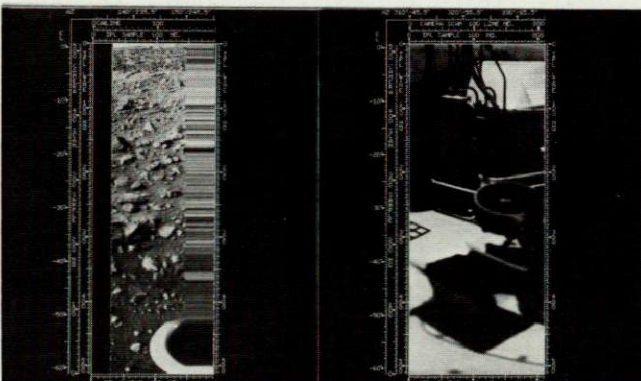


11A023/004 BB2



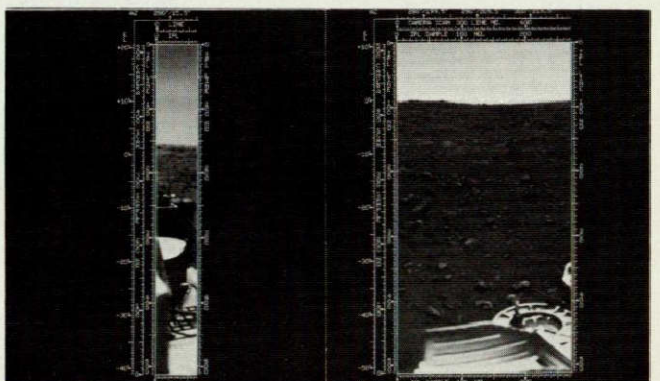
11A024/004 CAL

11A025/004 BB1



12A026/004 SURV

12A027/004 SURV

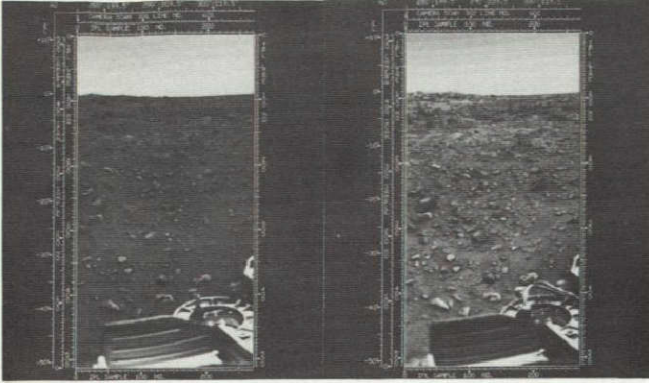


12A028/004 SURV

11A029/004 BLU/T

11A029/004-12A033/005

VL-1



11A029/004 GRN/T

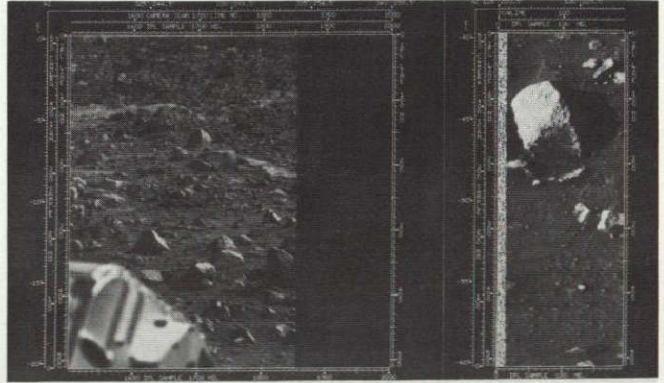
11A029/004 RED/T



11A030/004 BB3 1/3

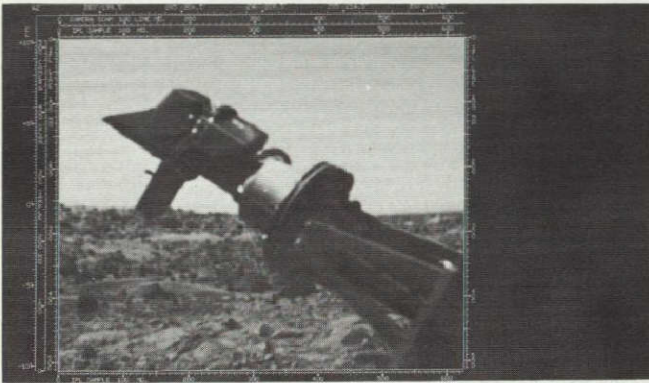


11A030/004 BB3 2/3



11A030/004 BB3 3/3

12A031/005 BB1



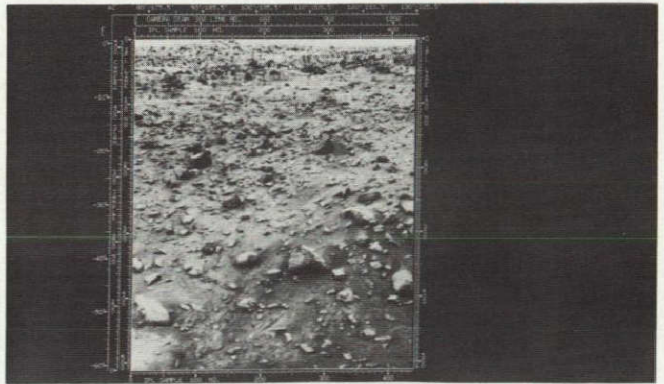
11A032/005 BB1



12A033/005 IR3/T



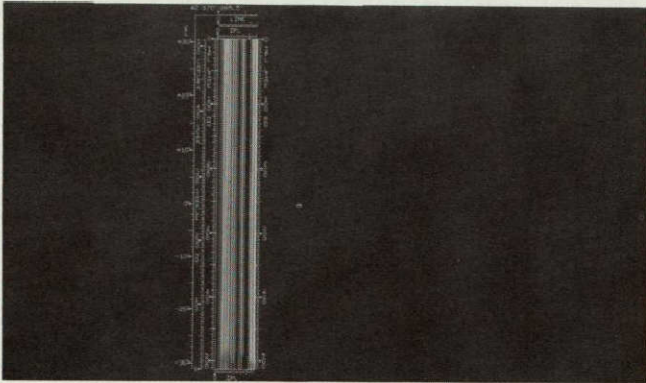
12A033/005 IR2/T



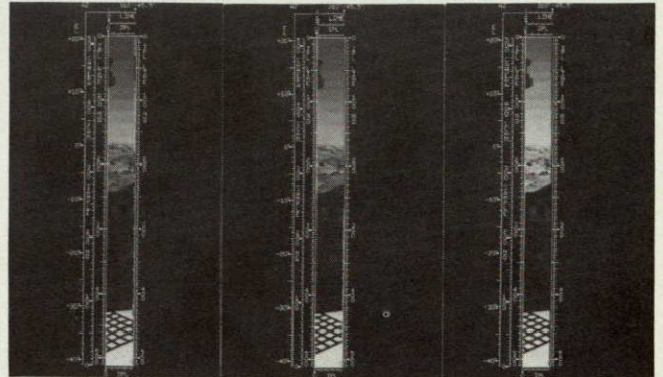
12A033/005 IR1/T

VL-1

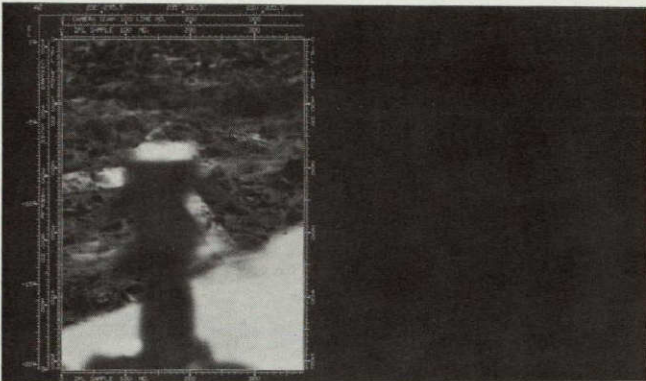
12A034/005-12A039/006



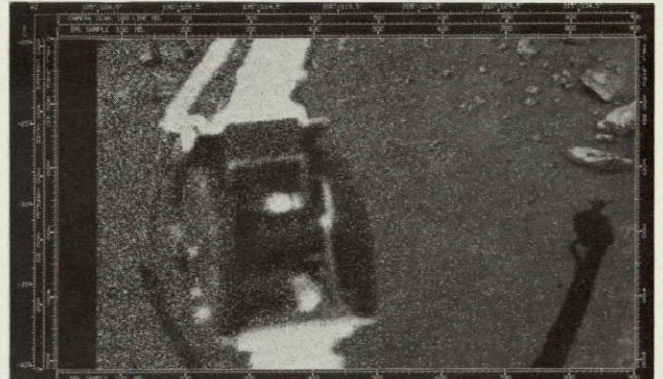
12A034/005 CAL



12A035/005 IR3/T 12A035/005 IR2/T 12A035/005 IR1/T



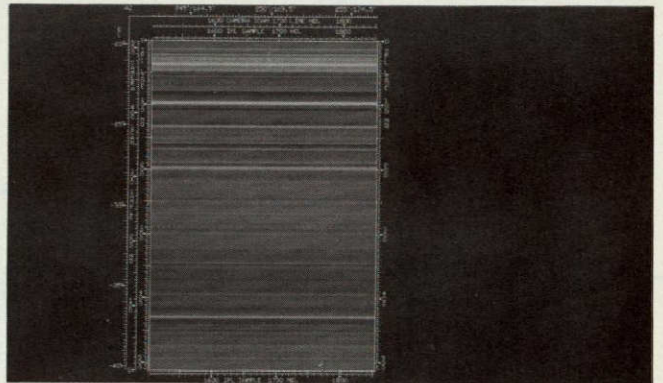
12A036/005 BB1



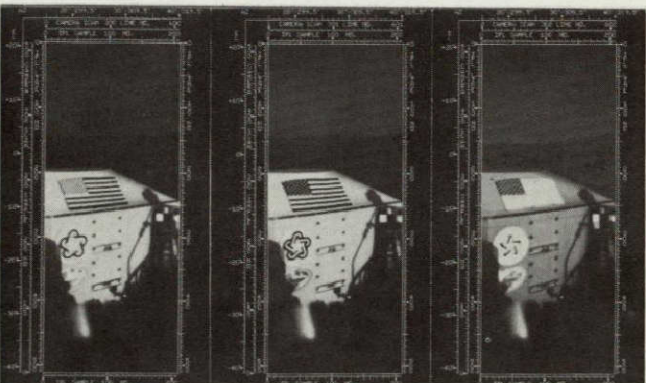
11A037/005 BB2 1/3



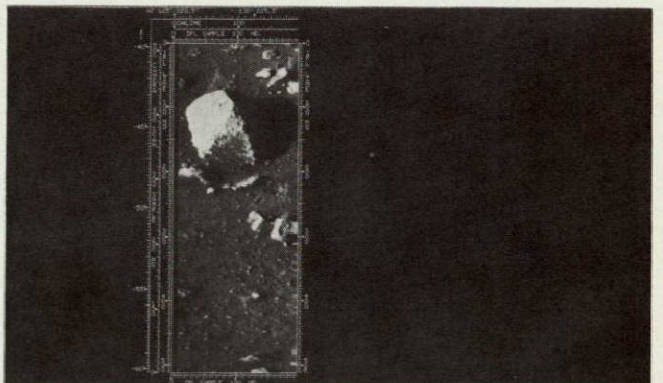
11A037/005 BB2 2/3



11A037/005 BB2 3/3



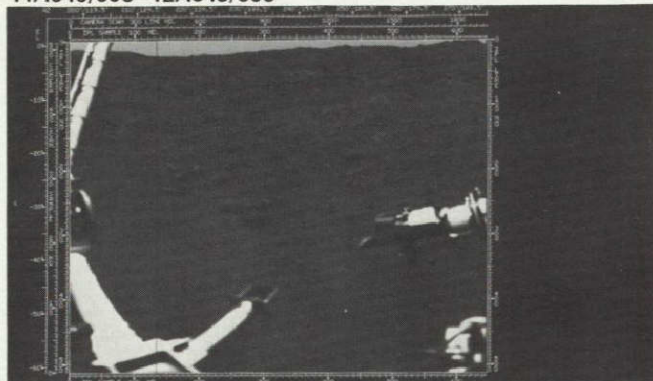
11A038/006 BLU/T 11A038/006 GRN/T 11A038/006 RED/T



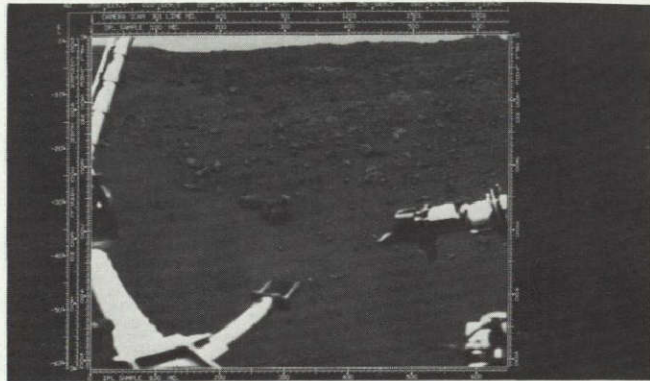
12A039/006 BB1

VL-1

11A040/006-12A045/006



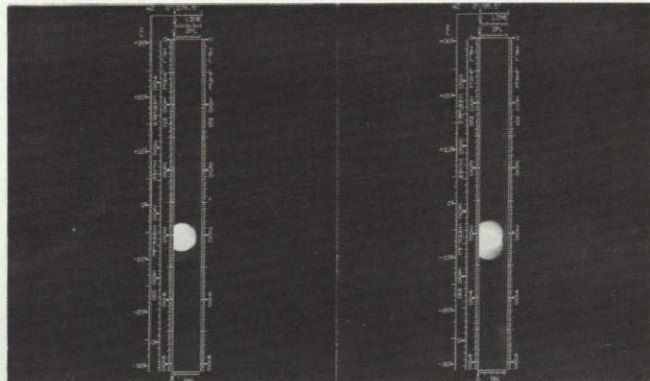
11A040/006 BLU/T



11A040/006 GRN/T

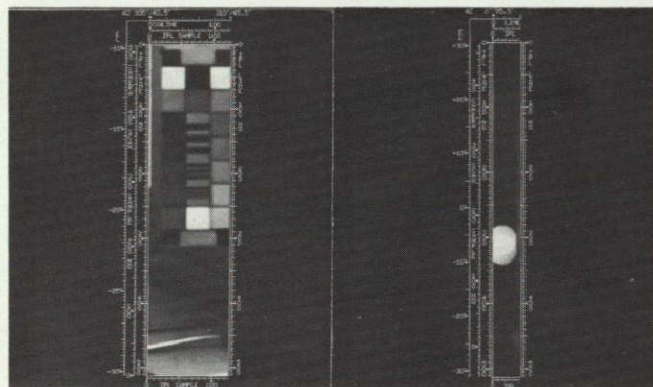


11A040/006 RED/T



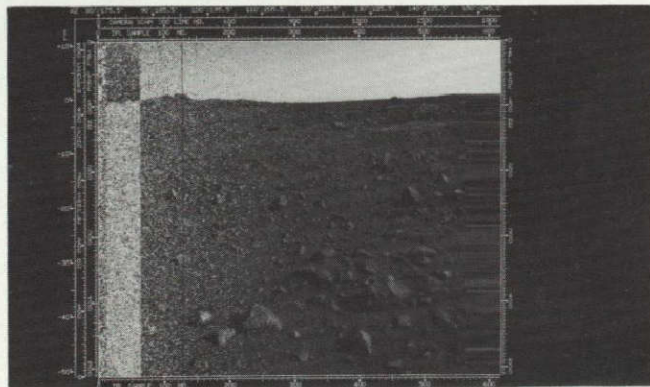
11A041/006 BB1

12A042/006 BB1

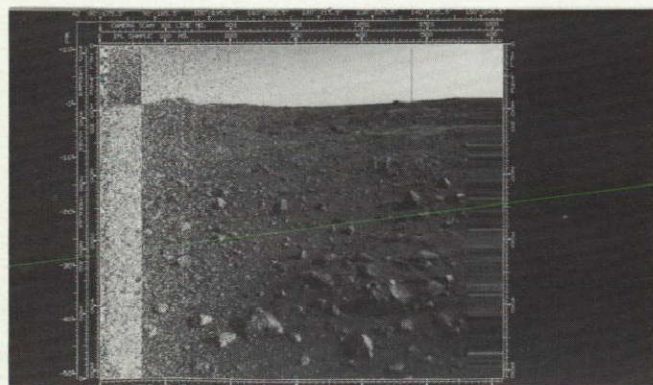


12A043/006 BB1

12A044/006 BB1



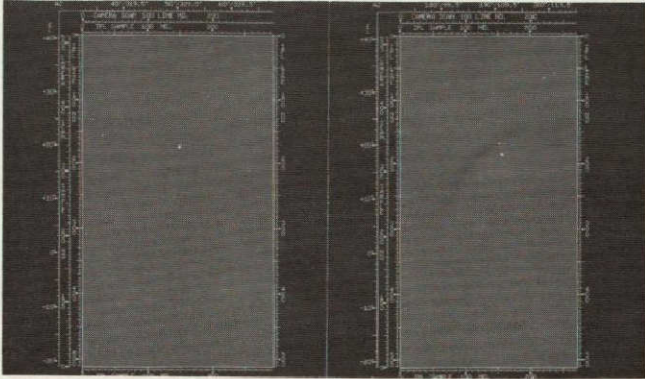
12A045/006 BLU/T



12A045/006 GRN/T

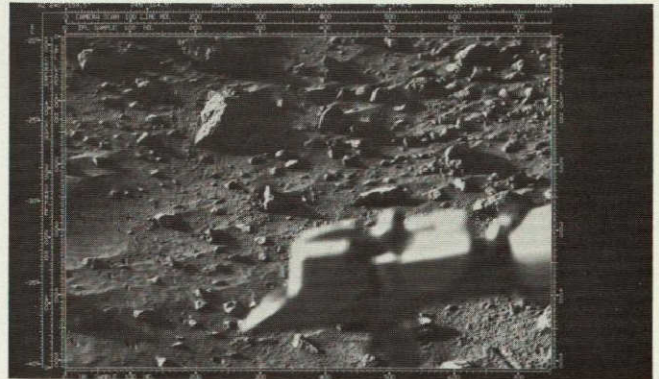


12A045/006 RED/T

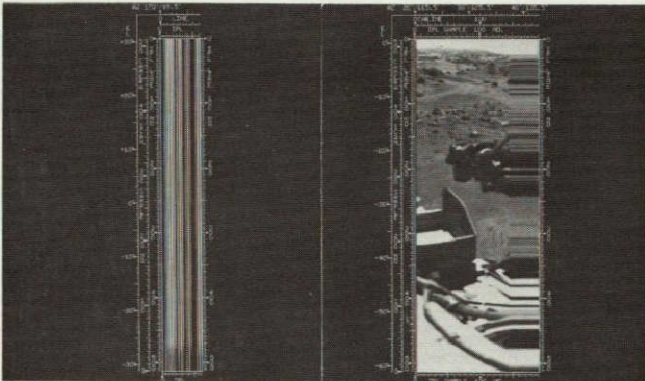


11A046/006 SUN

11A047/007 SUN



11A048/007 BB2



11A049/007 CAL

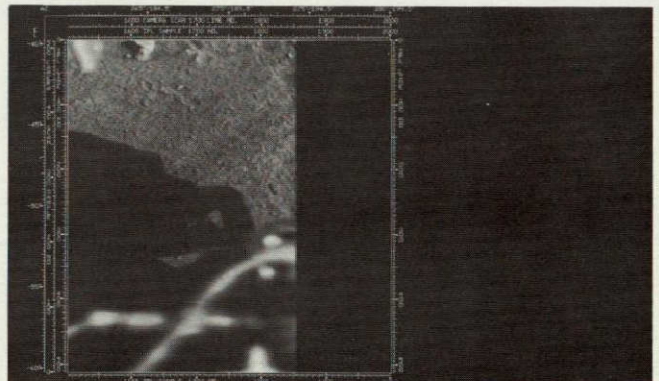
12A050/007 SURV



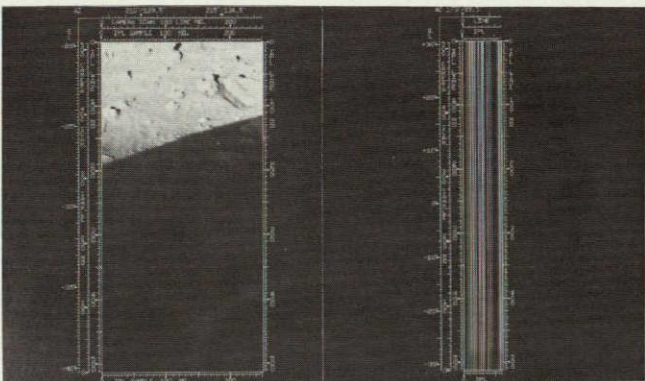
11A051/007 BB1 1/3



11A051/007 BB1 2/3

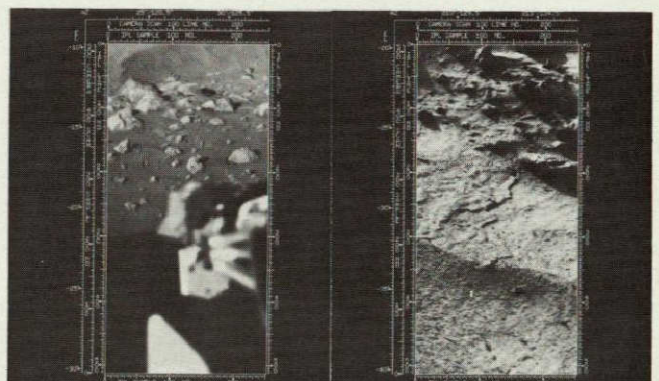


11A051/007 BB1 3/3



11A052/007 BB2

11A053/008 CAL

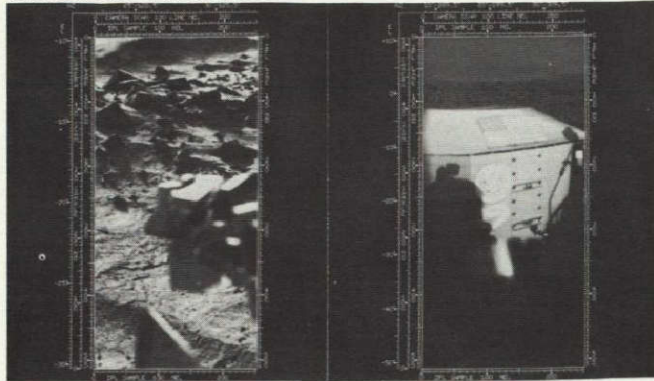


12A054/007 BB3

11A055/008 BB2

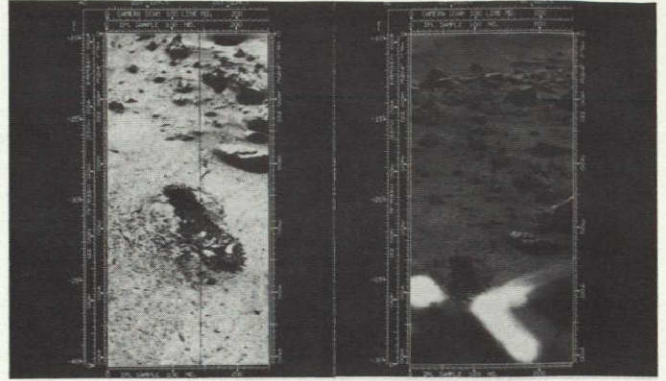
12A056/008-11A067/008

VL-1



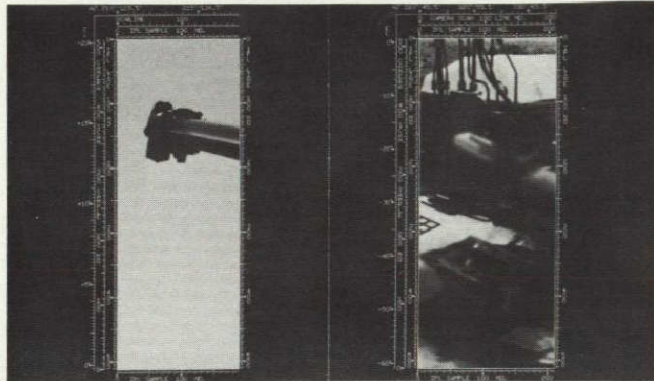
12A056/008 BB3

11A057/008 SURV



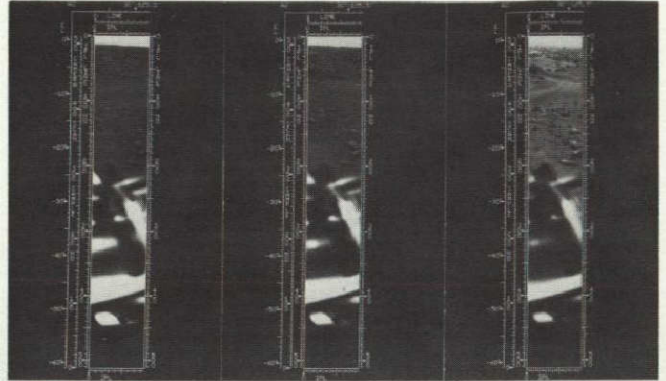
11A058/008 BB2

12A059/008 BB3

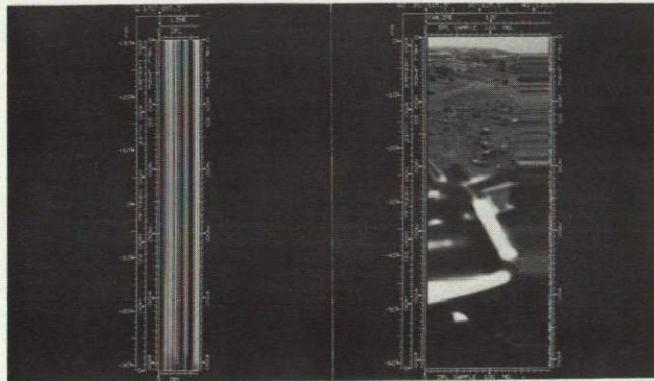


11A060/008 BB2

12A061/008 SURV

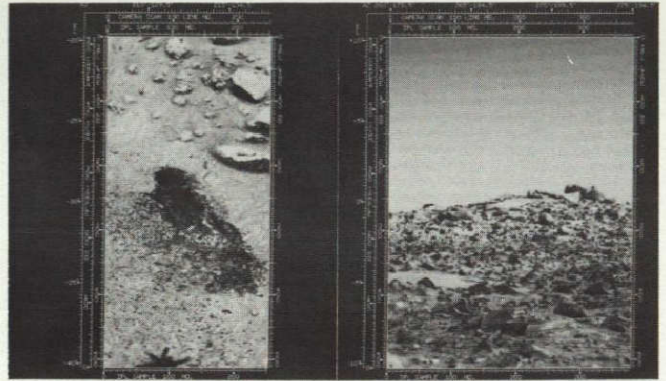


12A062/008 BLU/T 12A062/008 GRN/T 12A062/008 RED/T



12A063/008 CAL

12A064/008 SURV

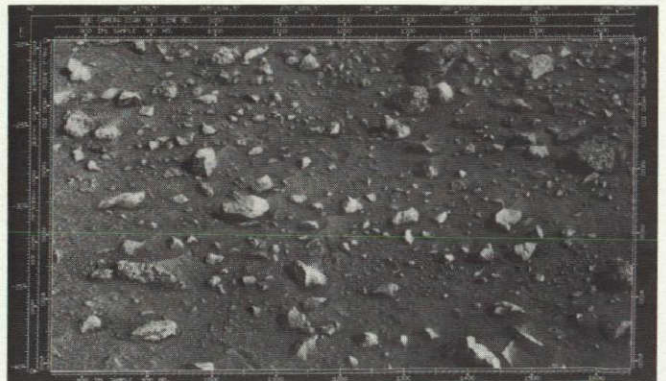


11A065/008 BB2

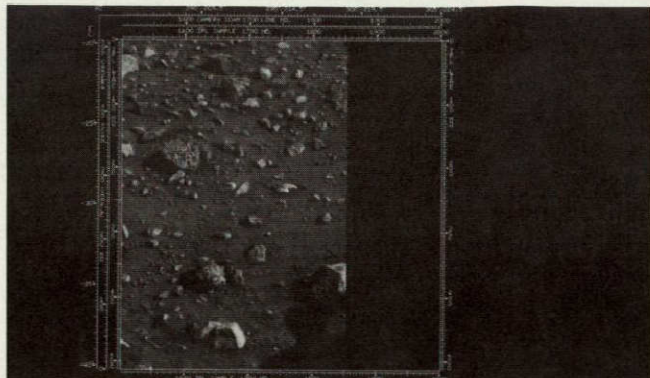
11A066/008 BB4



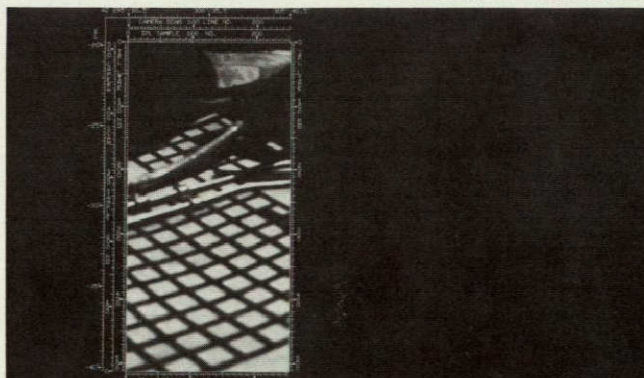
11A067/008 BB2 1/3



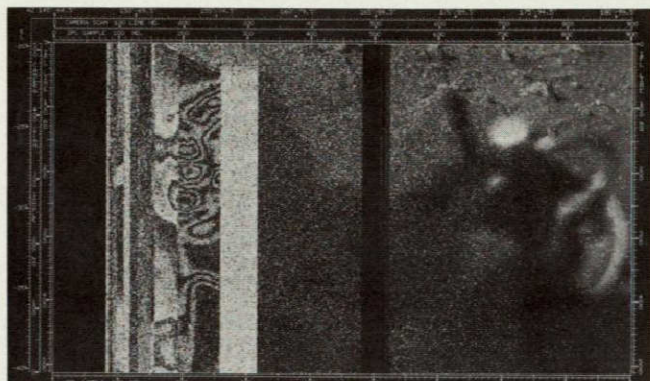
11A067/008 BB2 2/3



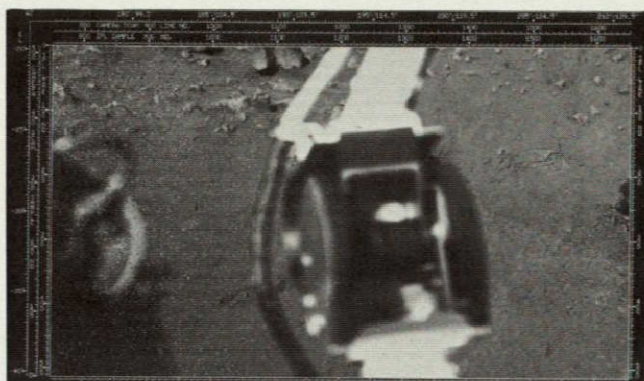
11A067/008 BB2 3/3



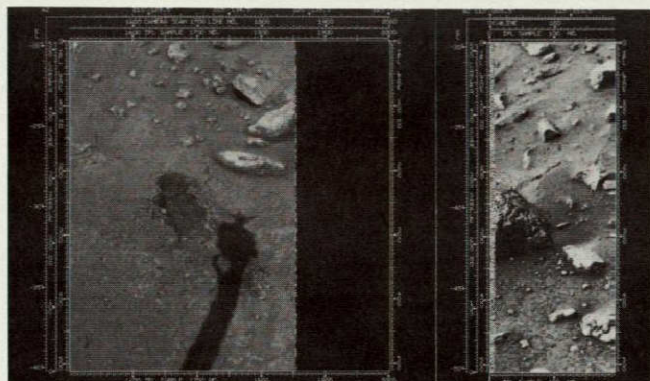
12A068/009 BB1



11A069/009 BB2 1/3

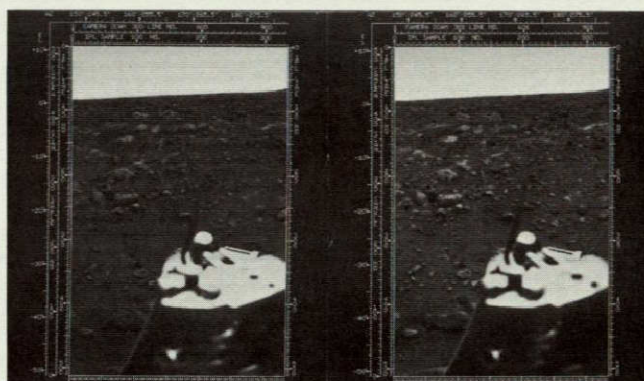


11A069/009 BB2 2/3



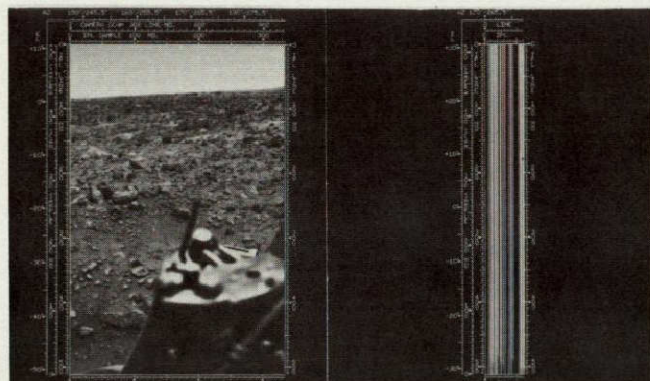
11A069/009 BB2 3/3

12A070/010 BB1



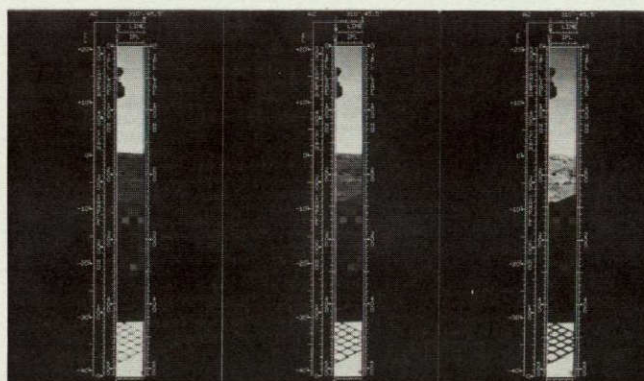
12A071/010 BLU/T

12A071/010 GRN/T



12A071/010 RED/T

12A072/010 CAL



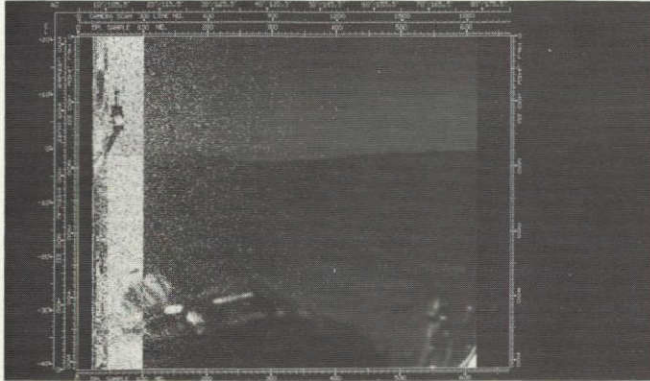
12A073/010 BLU/T

12A073/010 GRN/T

12A073/010 RED/T

12A074/010-11A078/012

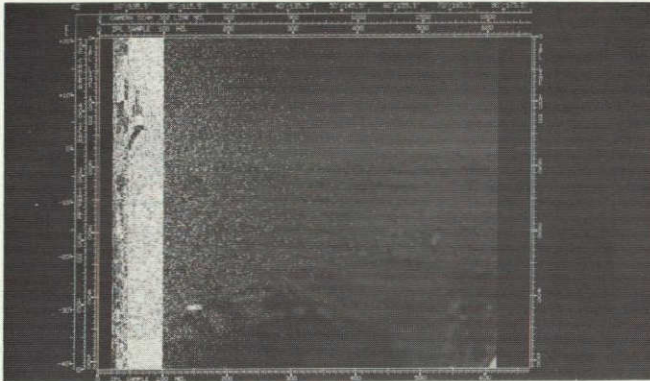
VL-1



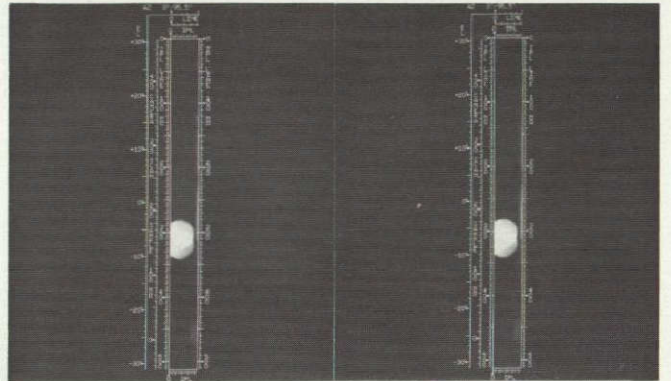
12A074/010 BLU/T



12A074/010 GRN/T

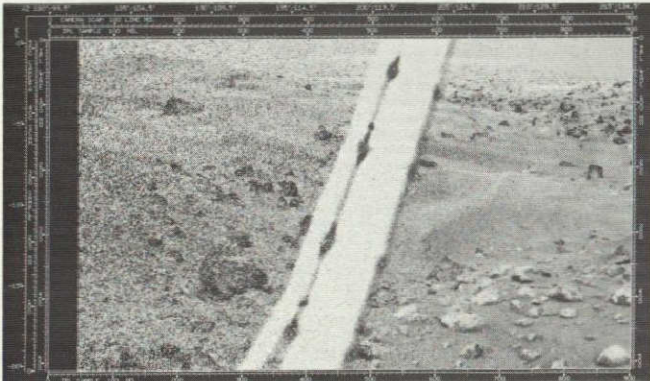


12A074/010 RED/T



12A075/011 BB1

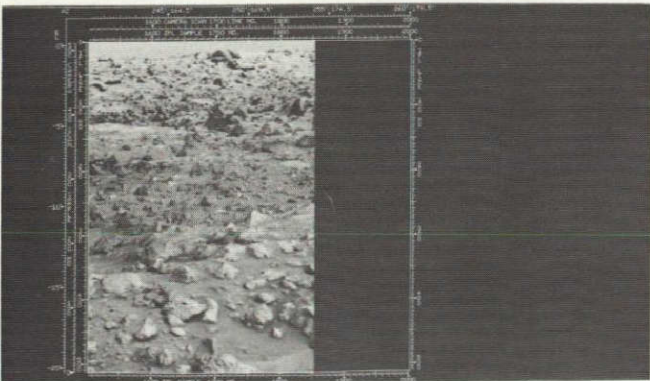
12A076/011 BB1



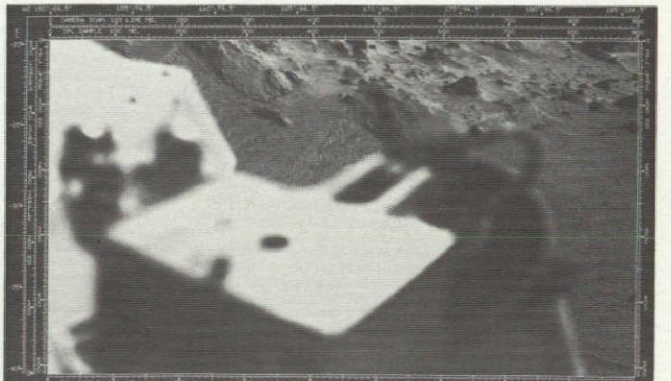
11A077/011 BB4 1/3



11A077/011 BB4 2/3



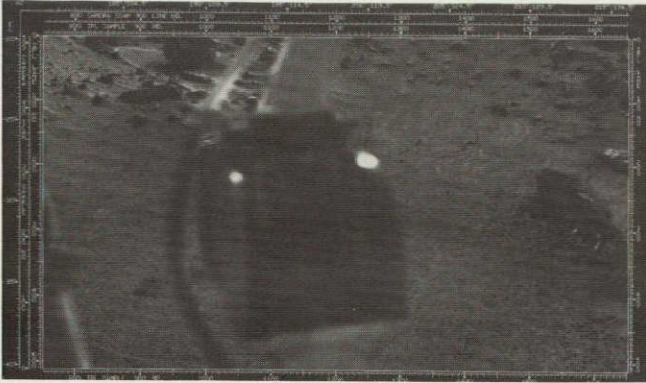
11A077/011 BB4 3/3



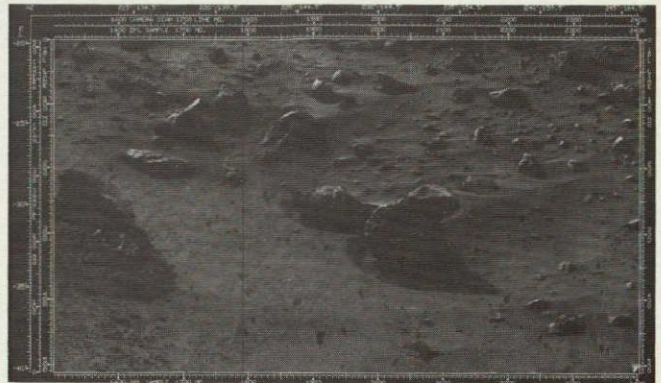
11A078/012 BB2 1/4

VL-1

11A078/012-12A081/012



11A078/012 BB2 2/4



11A078/012 BB2 3/4



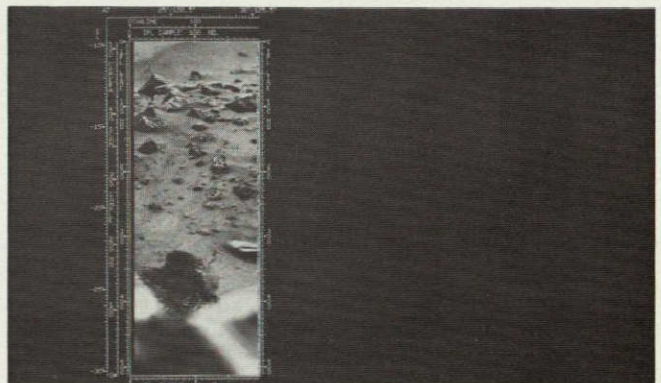
11A078/012 BB2 4/4



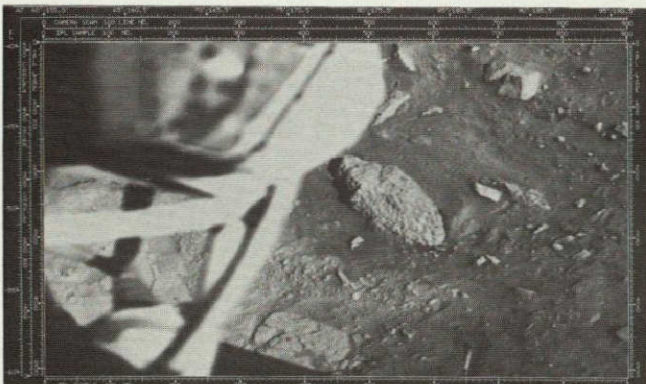
11A079/012 BB1 1/2



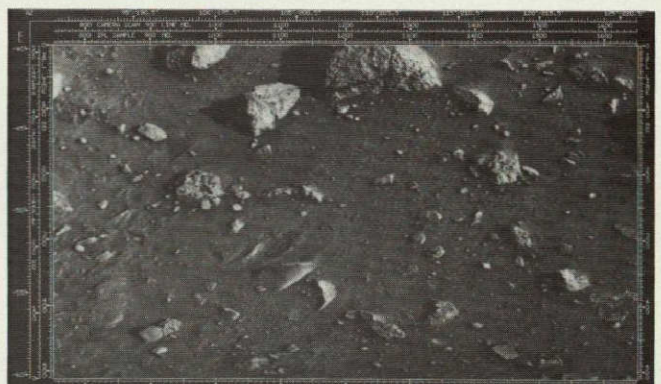
11A079/012 BB1 2/2



12A080/012 BB3



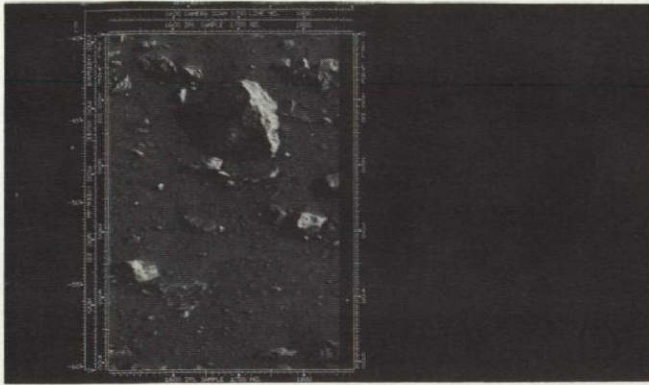
12A081/012 BB1 1/3



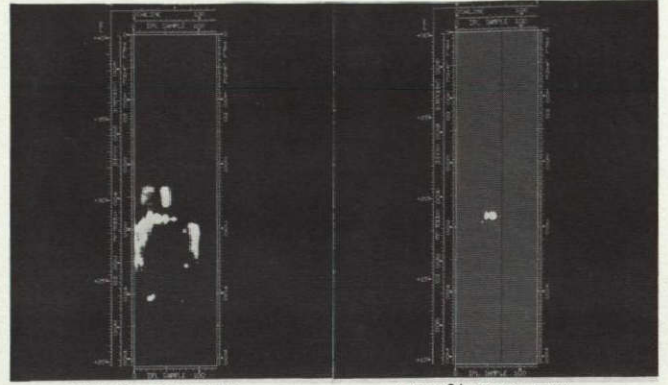
12A081/012 BB1 2/3

12A081/012-11A093/013

VL-1

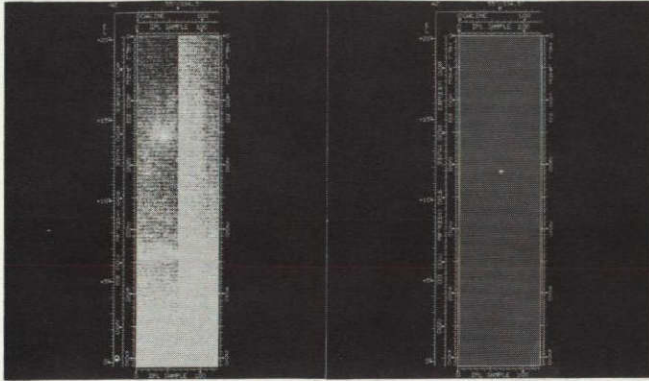


12A081/012 BB1 3/3



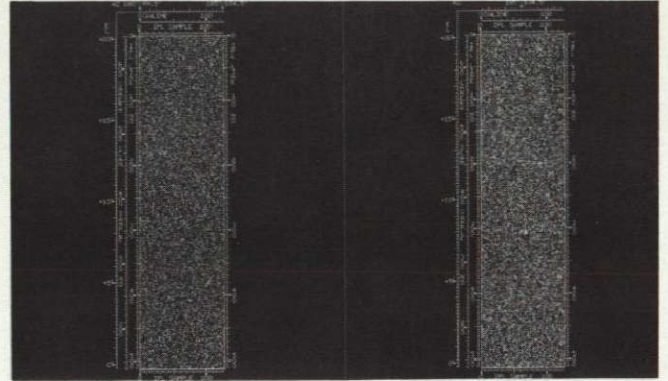
11A083/012 SUN

11A084/012 SUN



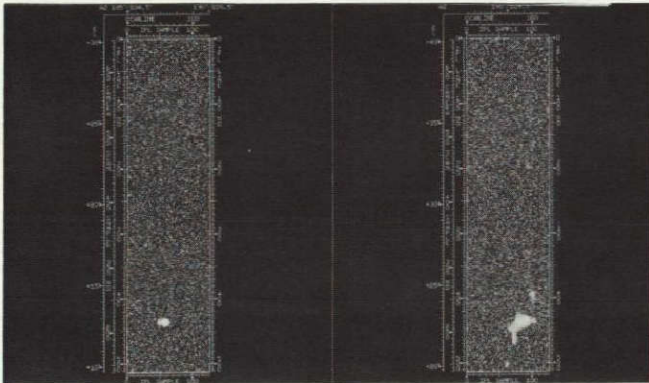
11A085/012 SUN

11A086/012 SUN



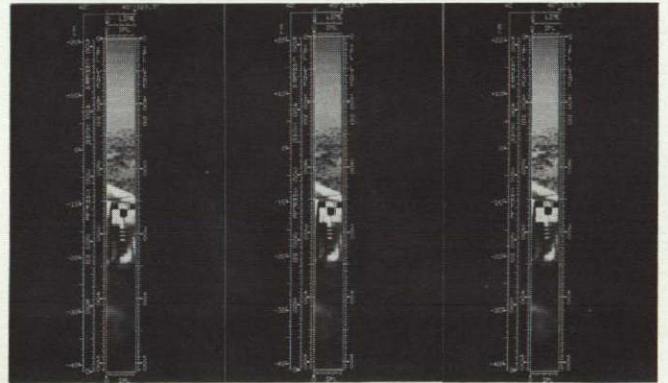
11A087/013 SUN

11A088/013 SUN

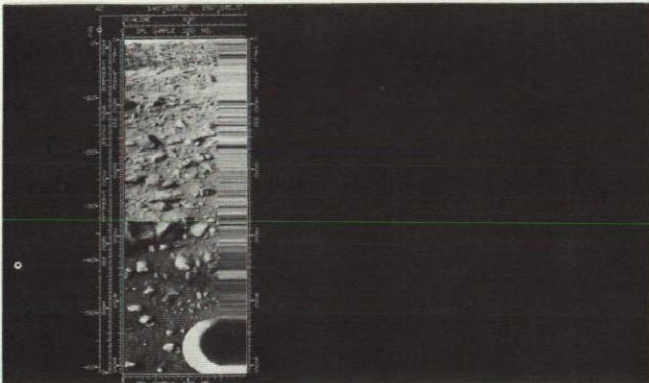


11A089/013 SUN

11A090/013 SUN



11A091/013 IR3/T 11A091/013 IR2/T 11A091/013 IR1/T



12A092/013 SURV



11A093/013 IR3/T

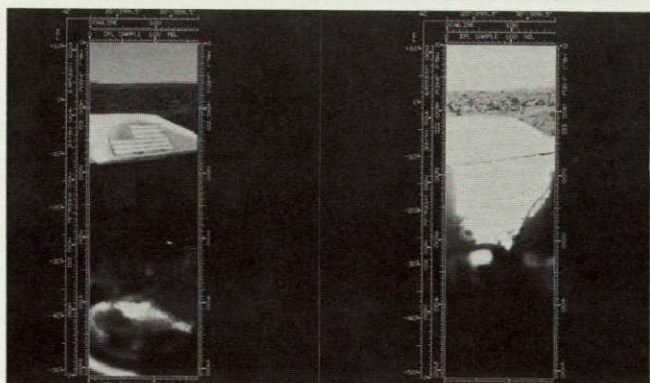


11A093/013 IR2/T



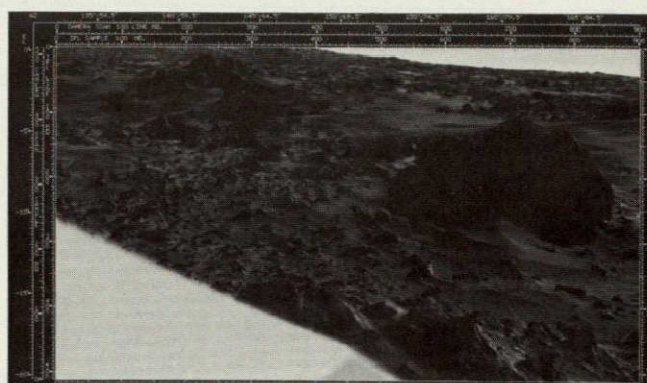
11A093/013 IR1/T

11A094/013 CAL



11A095/013 SURV

11A096/014 SURV



11A097/014 BB3 1/4



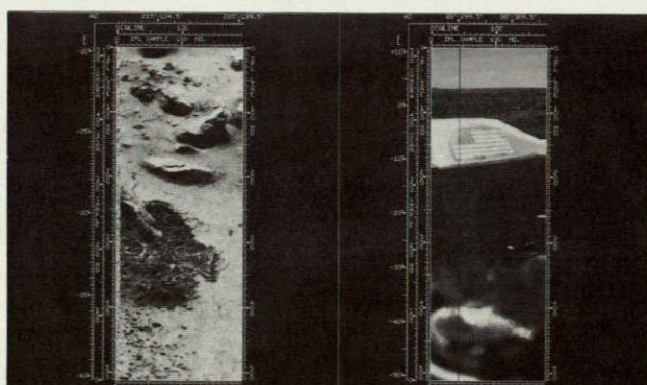
11A097/014 BB3 2/4



11A097/014 BB3 3/4



11A097/014 BB3 4/4

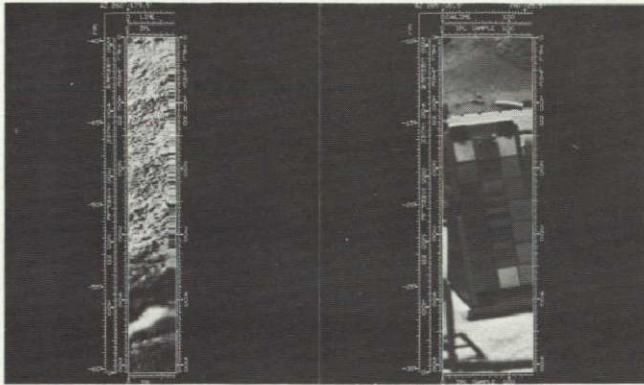


11A098/014 BB2

11A099/014 SURV

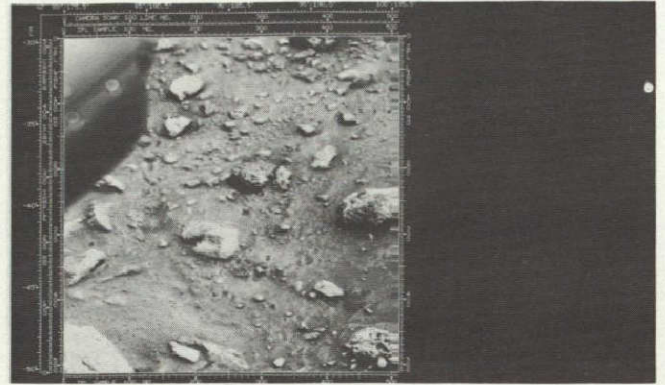
11A100/015-12A108/018

VL-1



11A100/015 BB1

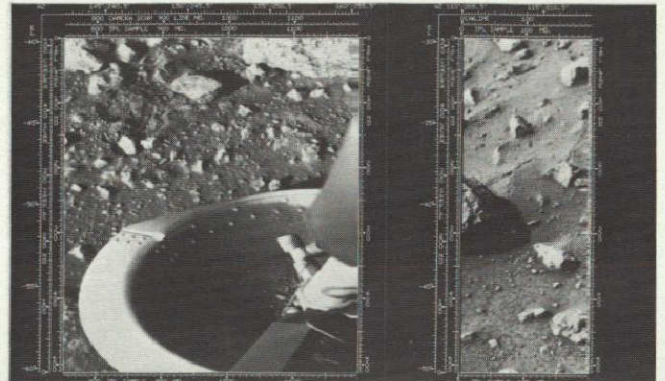
12A101/015 BB1



12A102/015 BB1

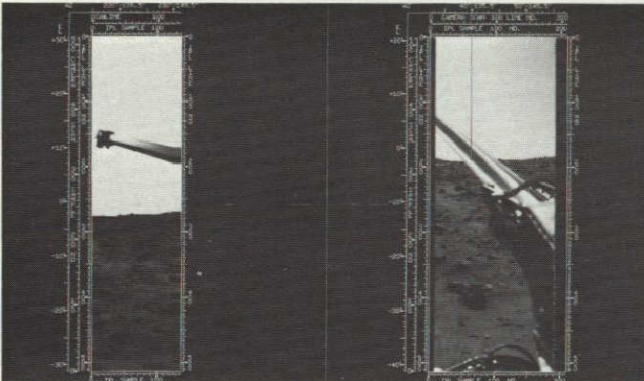


12A103/016 BB1 1/2



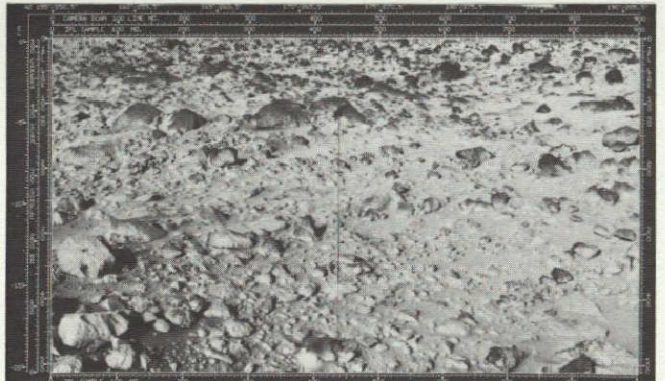
12A103/016 BB1 2/2

12A104/016 BB1

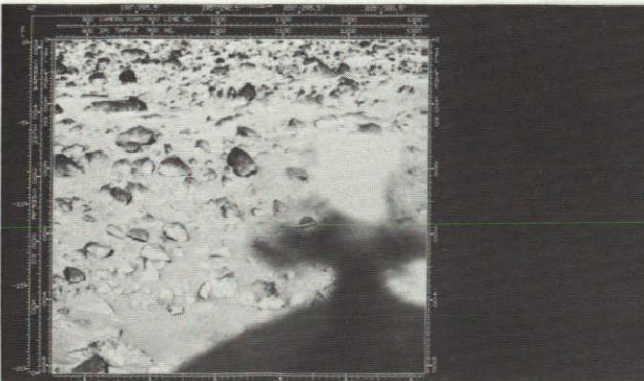


11A105/017 SURV

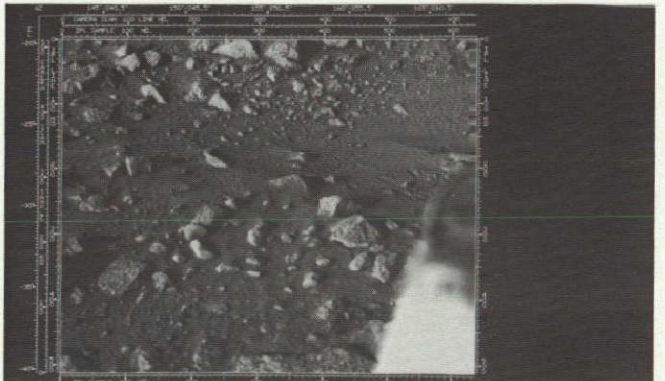
12A106/017 SURV



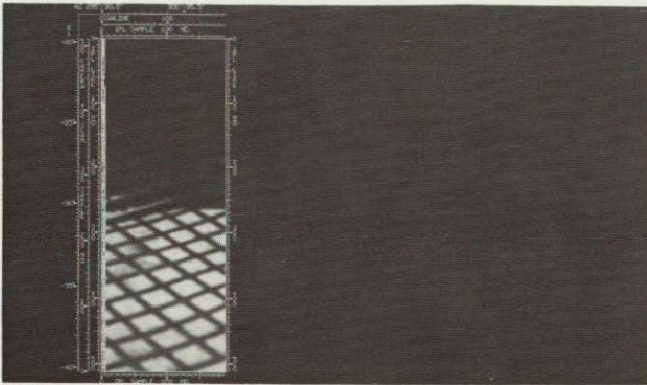
12A107/018 BB3 1/2



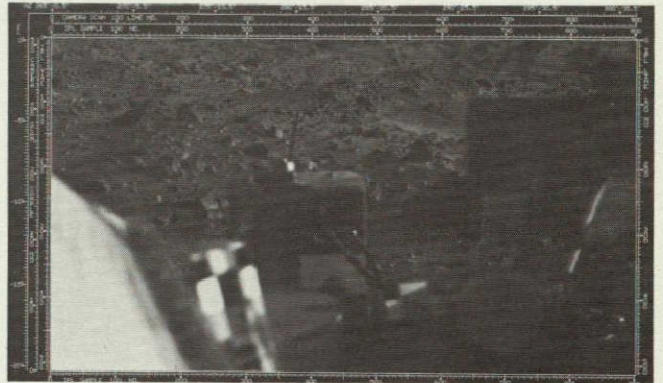
12A107/018 BB3 2/2



12A108/018 BB2



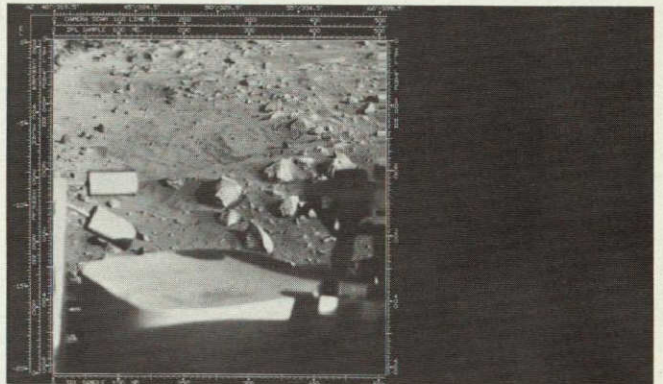
12A109/018 BB1



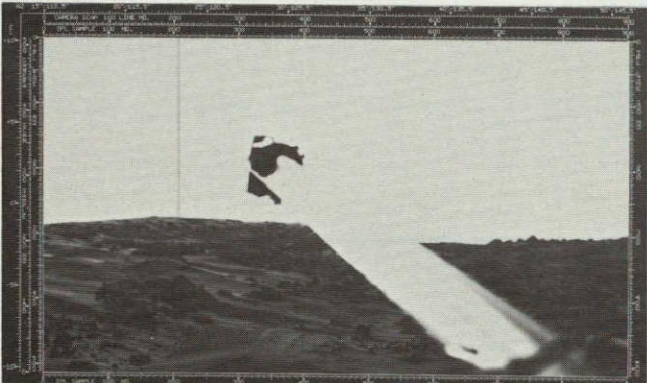
12A110/019 BB3 1/2



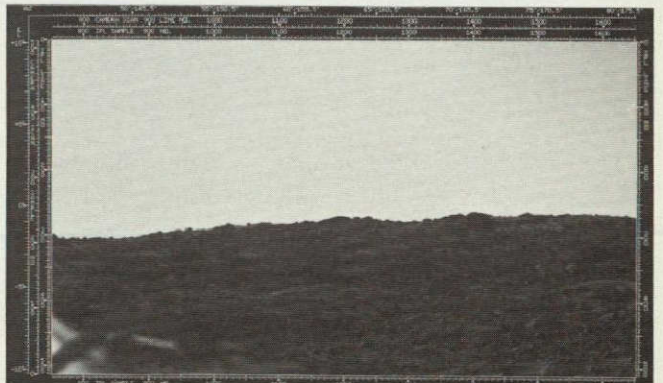
12A110/019 BB3 2/2



11A111/019 BB3



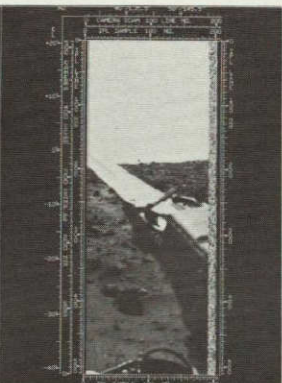
12A112/019 BB4 1/3



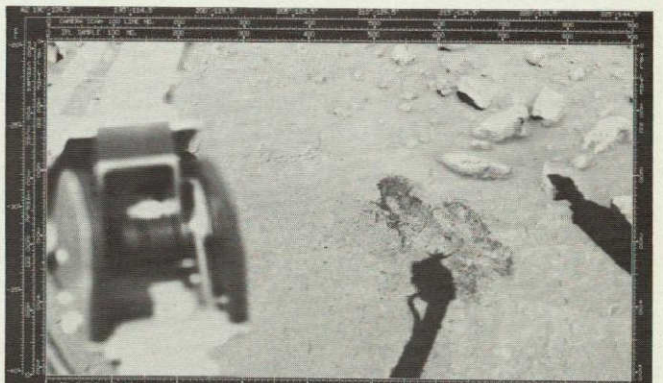
12A112/019 BB4 2/3



12A112/019 BB4 3/3



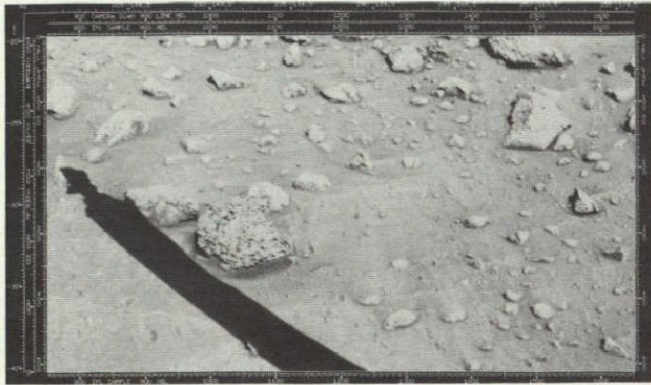
12A113/019 SURV



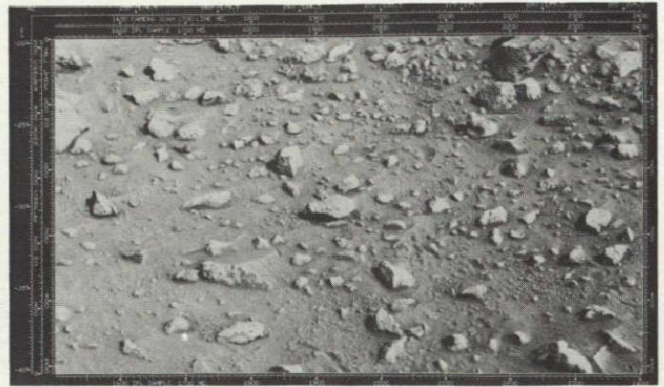
11A114/019 BB2 1/5

11A114/019-12A116/020

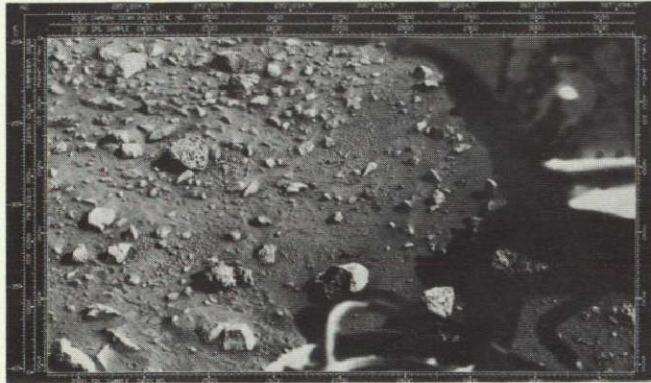
VL-1



11A114/019 BB2 2/5



11A114/019 BB2 3/5

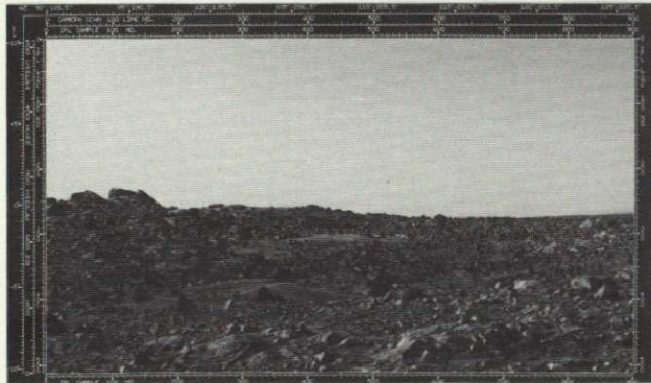


11A114/019 BB2 4/5

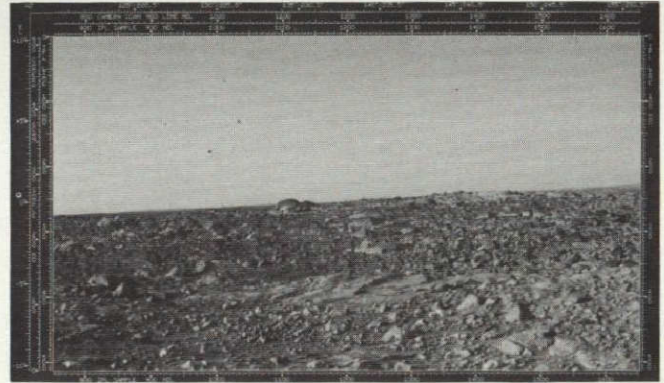


11A114/019 BB2 5/5

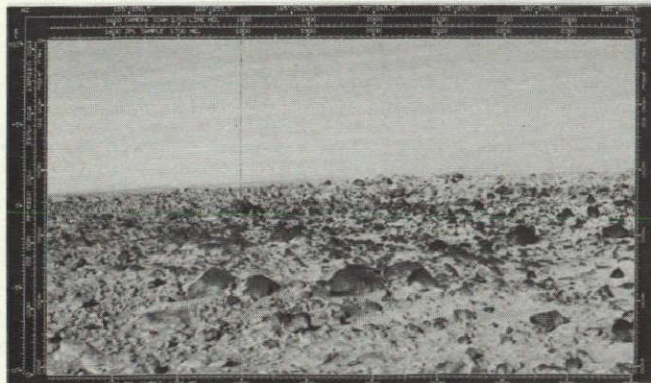
11A115/019 BB1



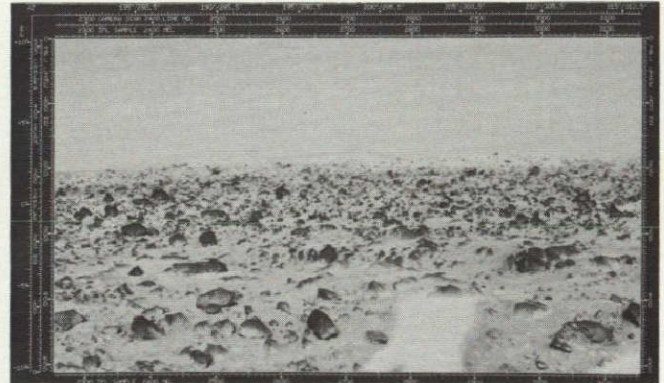
12A116/020 BB4 1/5



12A116/020 BB4 2/5



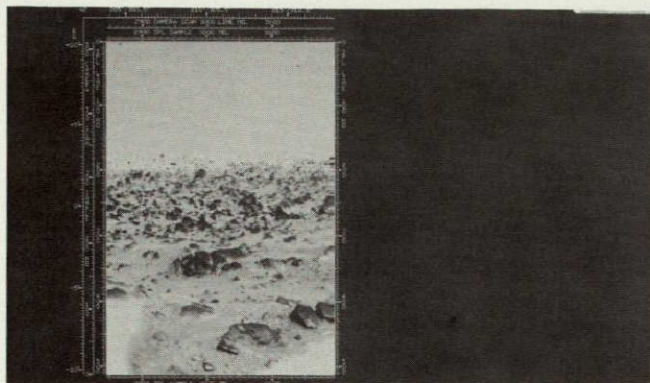
12A116/020 BB4 3/5



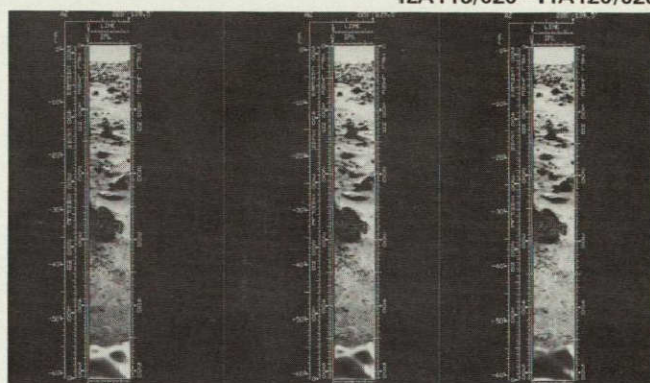
12A116/020 BB4 4/5

VL-1

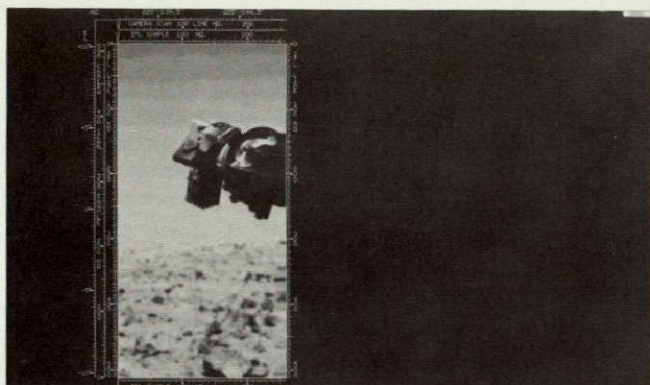
12A116/020-11A120/020



12A116/020 BB4 5/5



11A117/020 BLU/T 11A117/020 GRN/T 11A117/020 RED/T



11A118/020 BB1



12A119/020 BB3 1/5



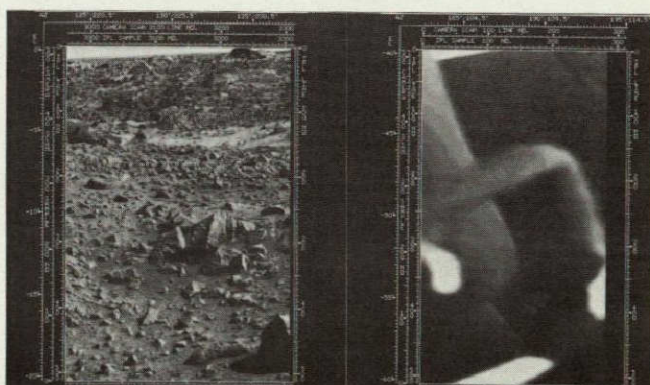
12A119/020 BB3 2/5



12A119/020 BB3 3/5



12A119/020 BB3 4/5

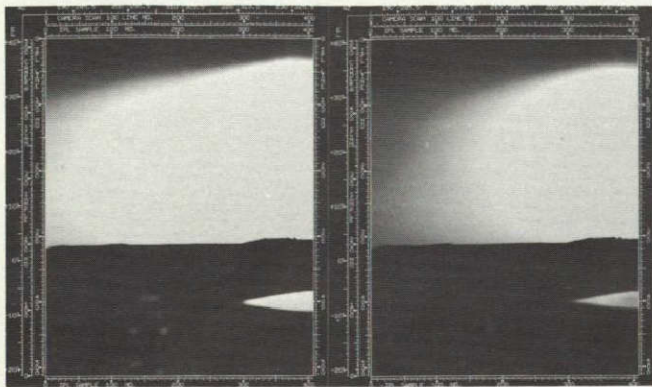


12A119/020 BB3 5/5

11A120/020 BB1

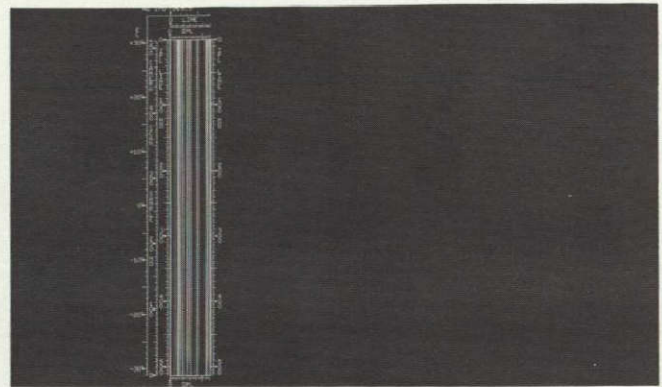
12A121/020-11A127/021

VL-1

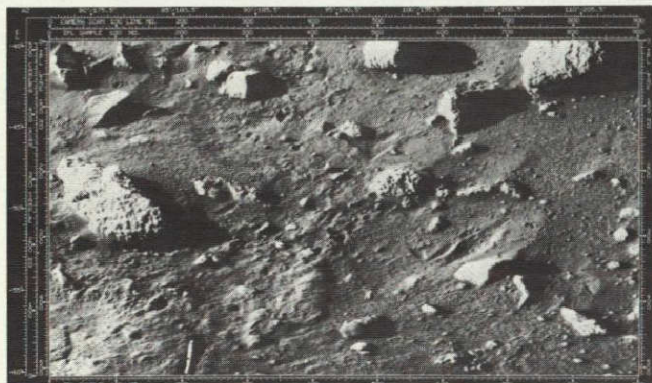


12A121/020 BLU

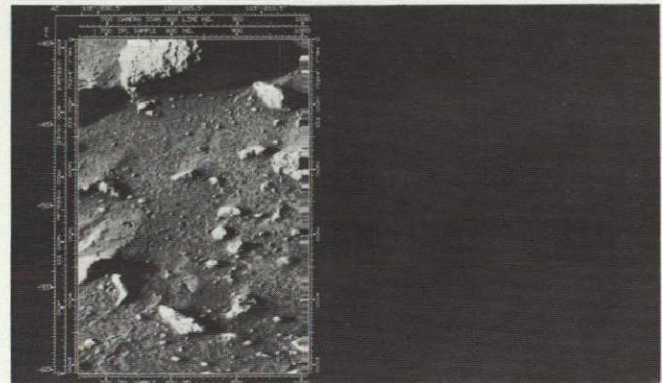
12A122/020 IR2



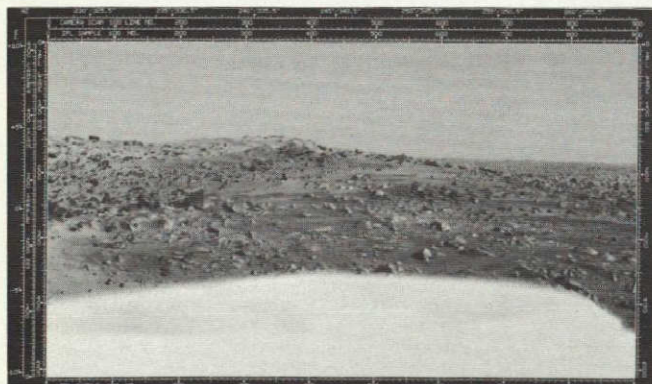
12A123/020 CAL



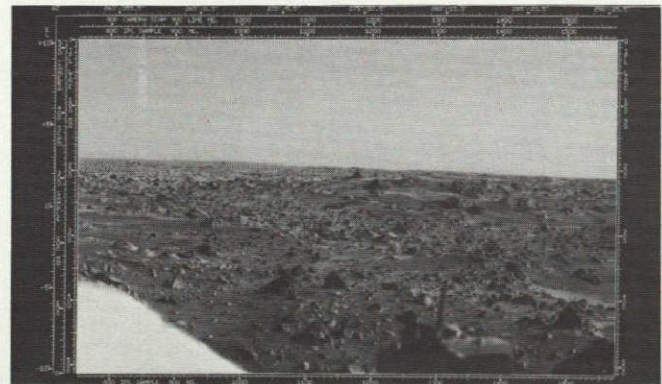
12A124/021 BB1 1/2



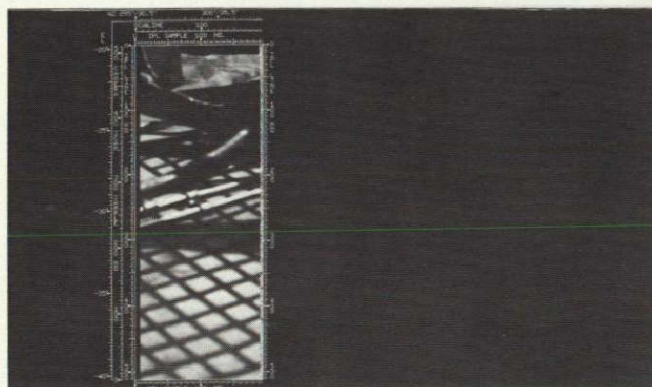
12A124/021 BB1 2/2



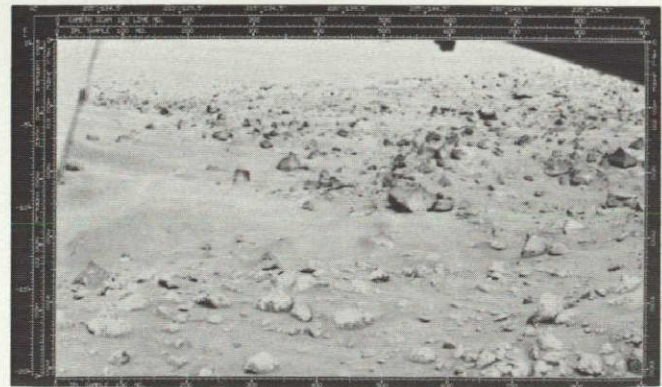
12A125/021 BB4 1/2



12A125/021 BB4 2/2



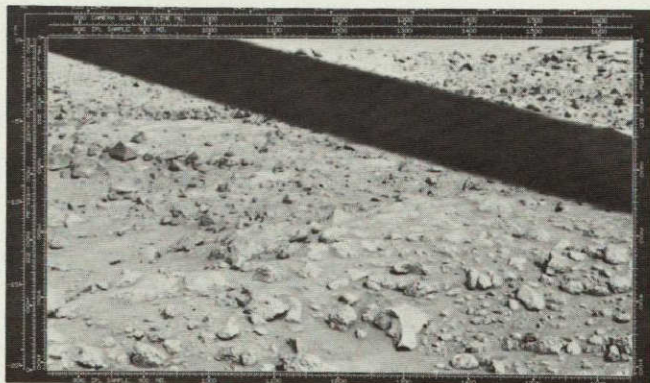
12A126/021 BB1



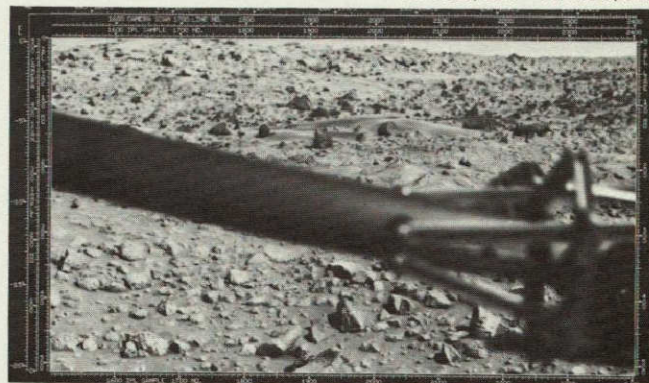
11A127/021 BB3 1/5

VL-1

11A127/021-11A129/022



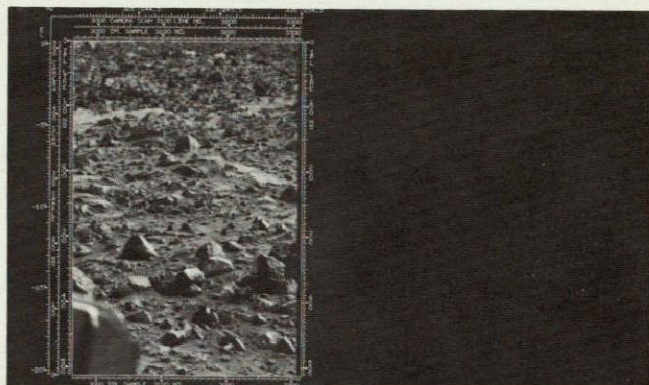
11A127/021 BB3 2/5



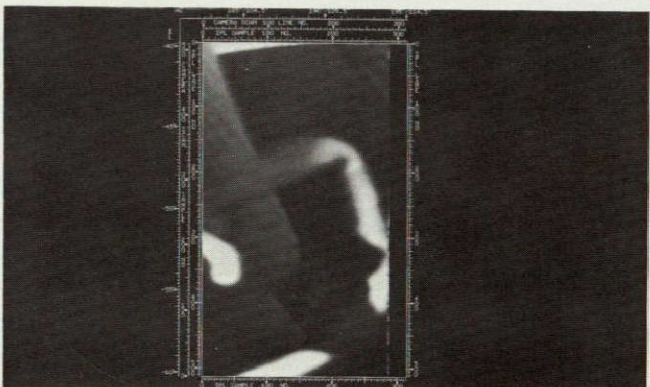
11A127/021 BB3 3/5



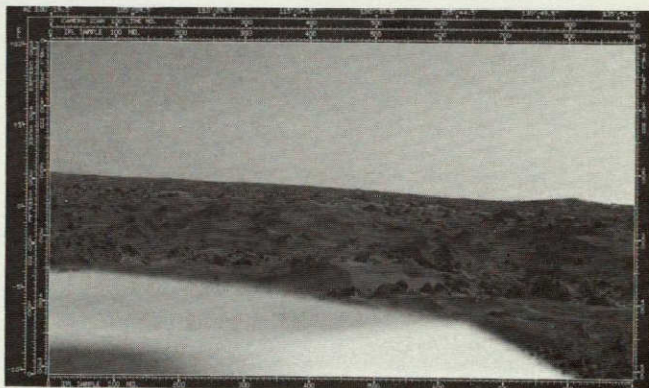
11A127/021 BB3 4/5



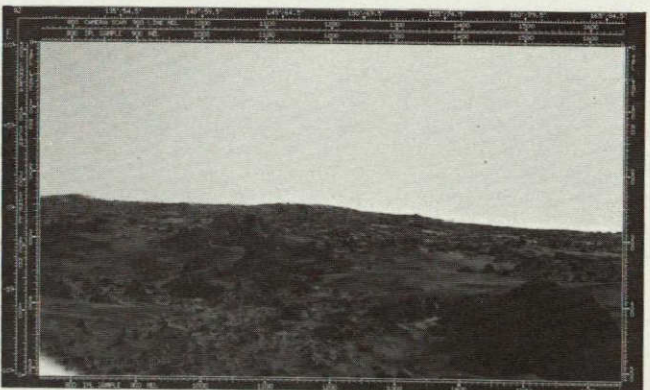
11A127/021 BB3 5/5



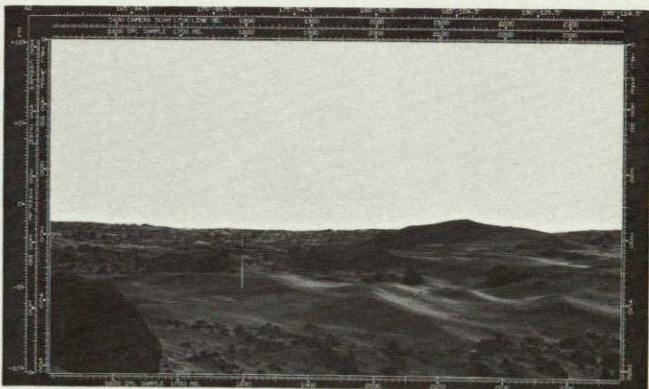
11A128/021 BB1



11A129/022 BB4 1/3



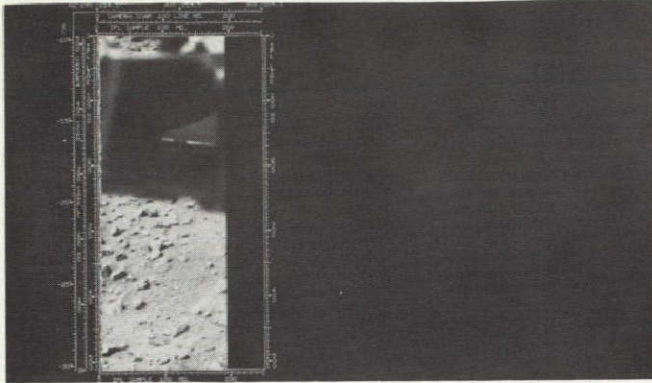
11A129/022 BB4 2/3



11A129/022 BB4 3/3

11A130/022-11A132/022

VL-1



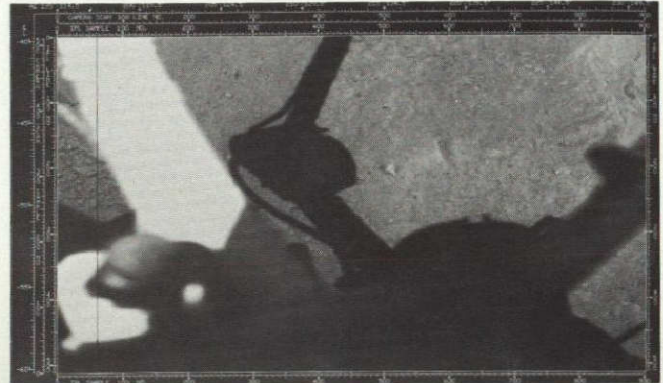
11A130/022 BB3



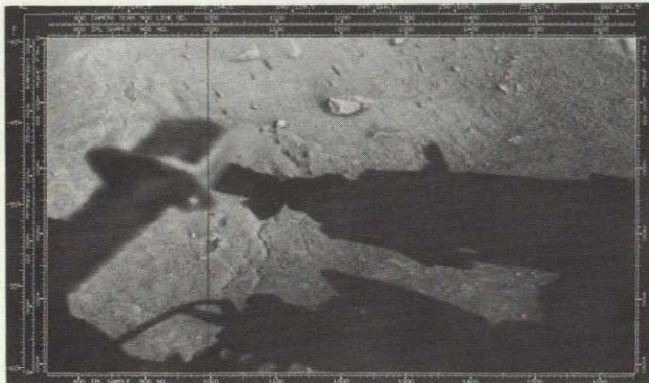
11A131/022 BB3 1/2



11A131/022 BB3 2/2



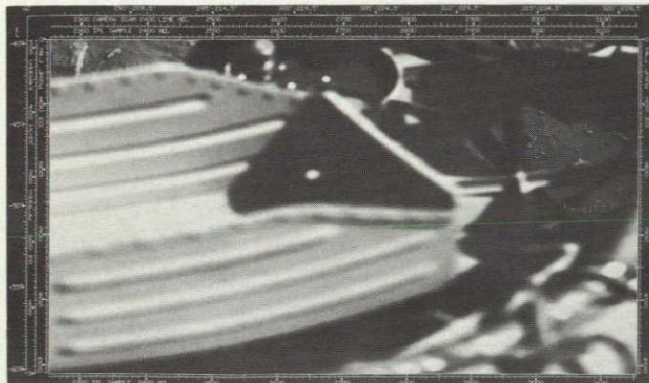
11A132/022 BB1 1/5



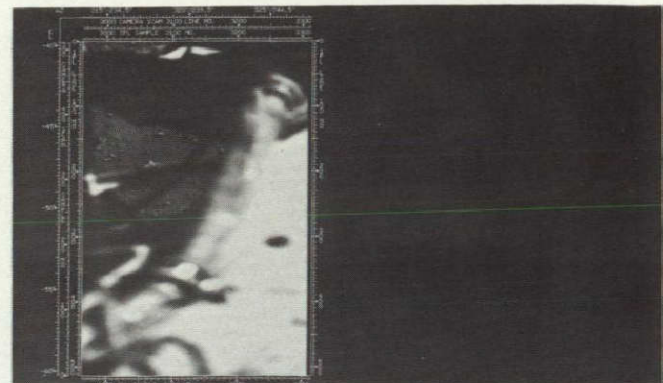
11A132/022 BB1 2/5



11A132/022 BB1 3/5



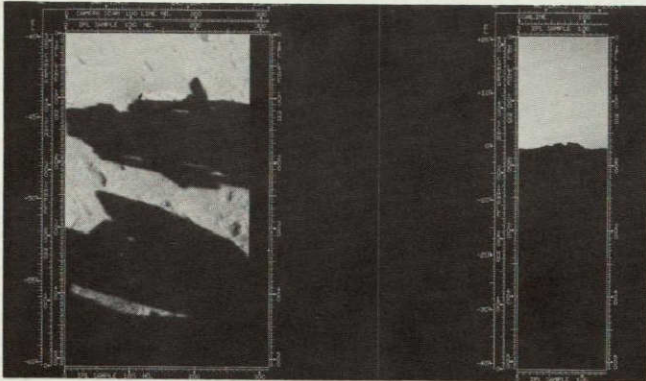
11A132/022 BB1 4/5



11A132/022 BB1 5/5

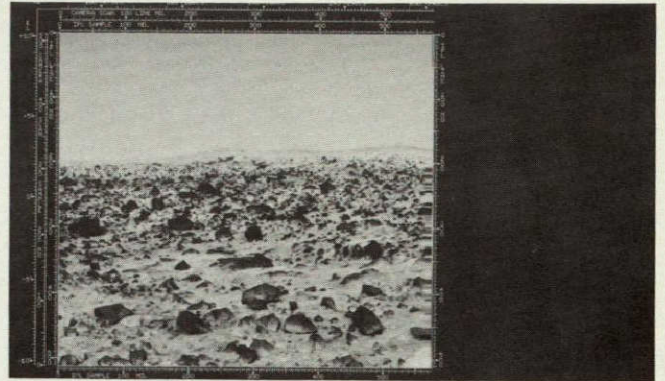
VL-1

11A133/022-11A138/024

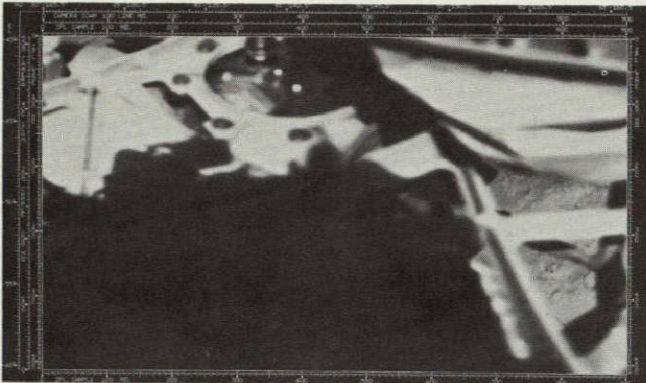


11A133/022 BB1

12A134/023 BLU



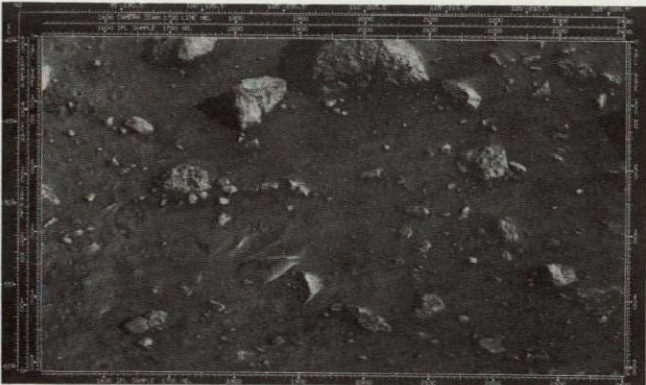
12A135/023 BB4



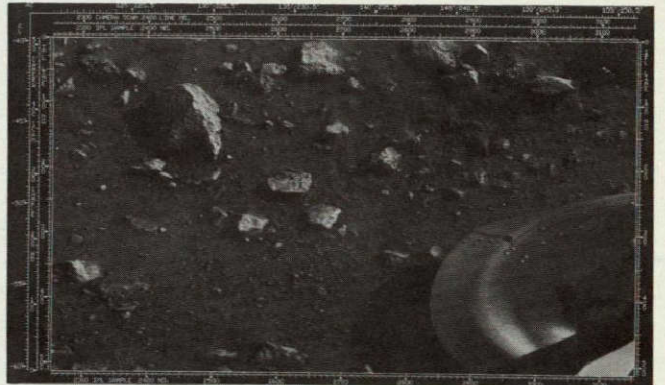
12A136/023 BB1 1/5



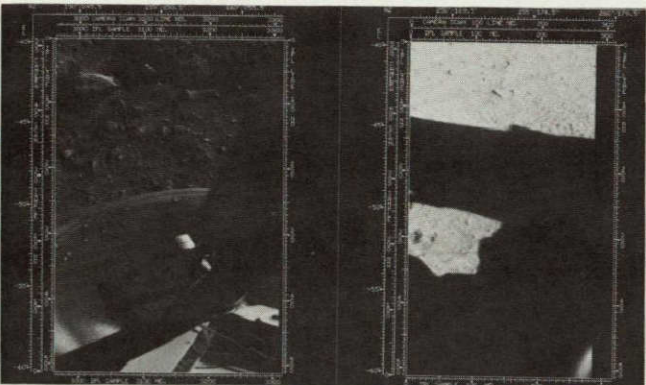
12A136/023 BB1 2/5



12A136/023 BB1 3/5



12A136/023 BB1 4/5



12A136/023 BB1 5/5

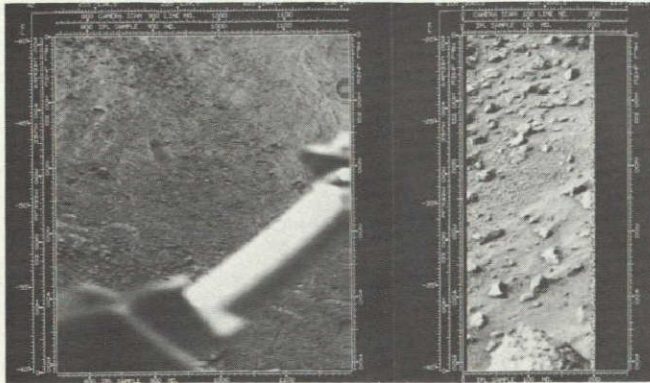
11A137/023 BB1



11A138/024 BB1 1/2

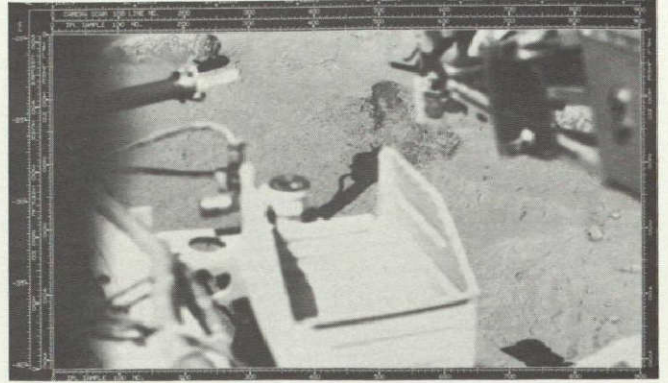
11A138/024-11A142/025

VL-1

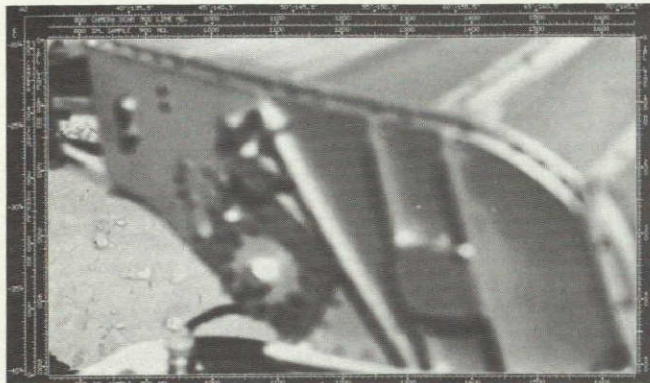


11A138/024 BB1 2/2

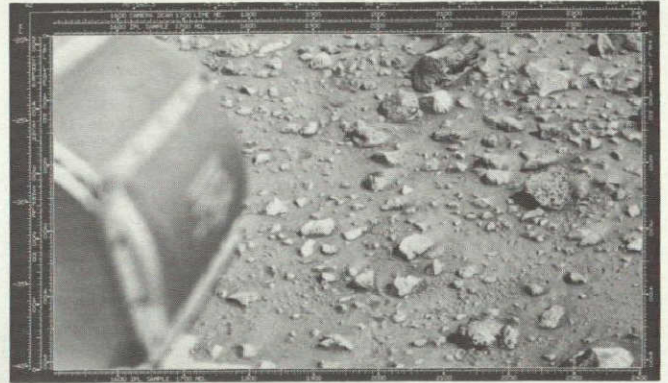
12A139/024 BB3



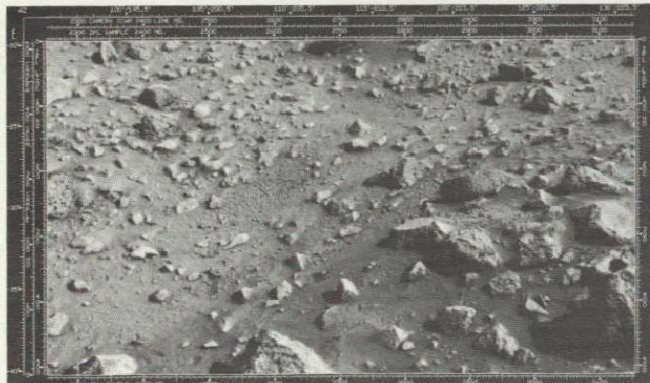
12A140/024 BB2 1/5



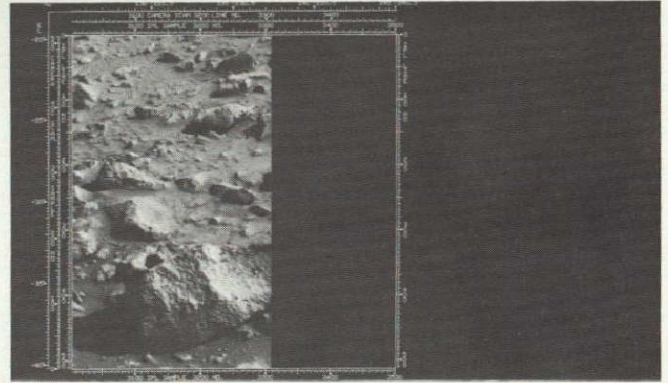
12A140/024 BB2 2/5



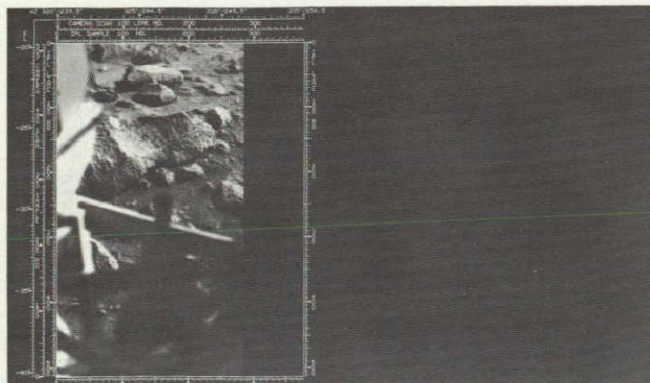
12A140/024 BB2 3/5



12A140/024 BB2 4/5



12A140/024 BB2 5/5



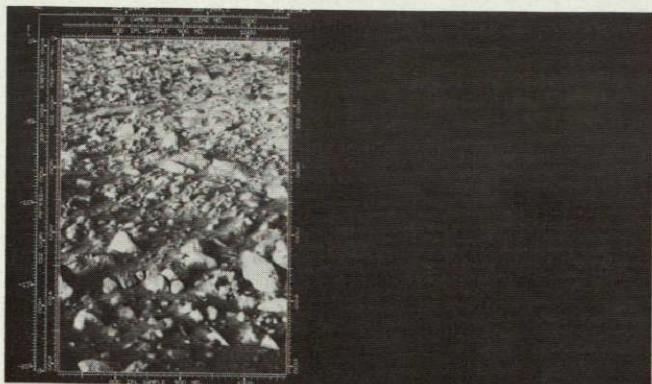
11A141/024 BB2



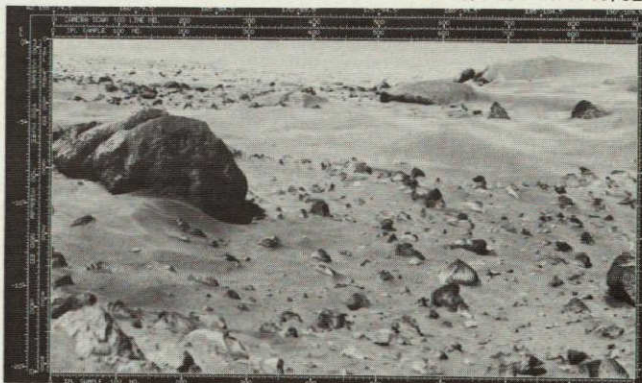
11A142/025 BB4 1/2

VL-1

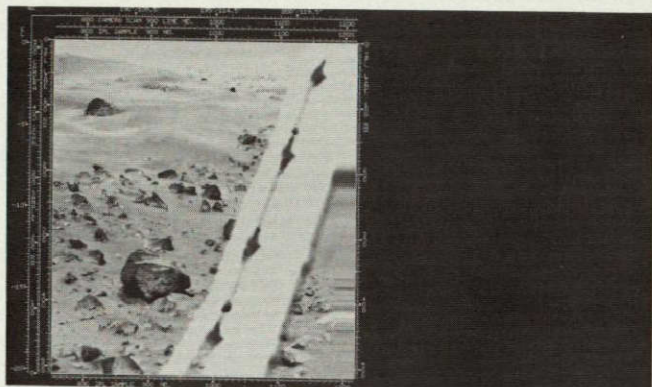
11A142/025-11A147/026



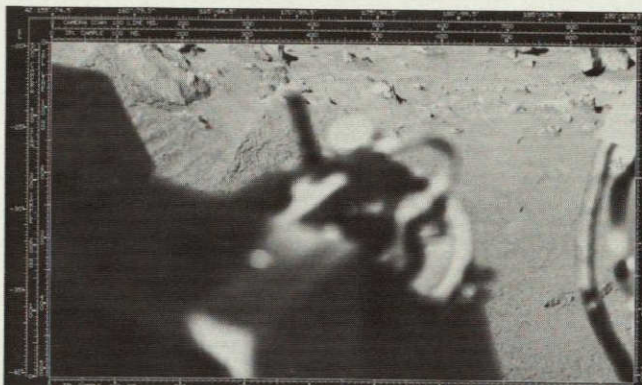
11A142/025 BB4 2/2



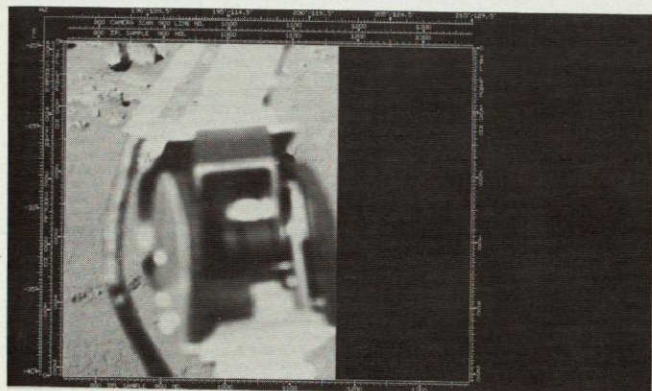
11A143/025 BB4 1/2



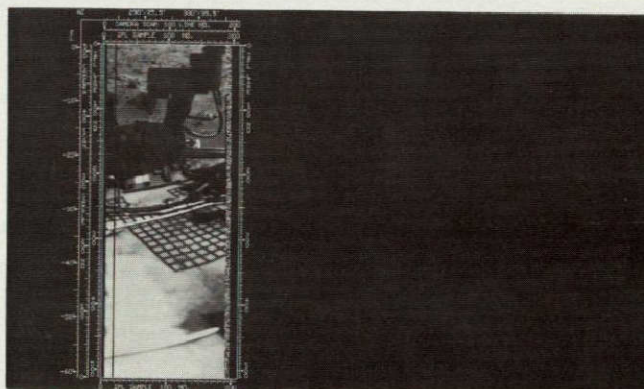
11A143/025 BB4 2/2



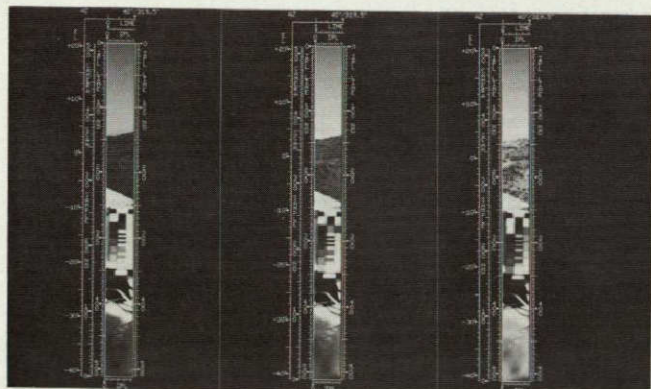
11A144/025 BB2 1/2



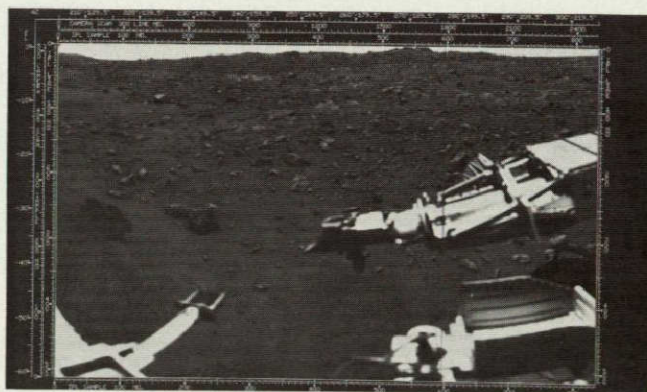
11A144/025 BB2 2/2



12A145/026 SURV



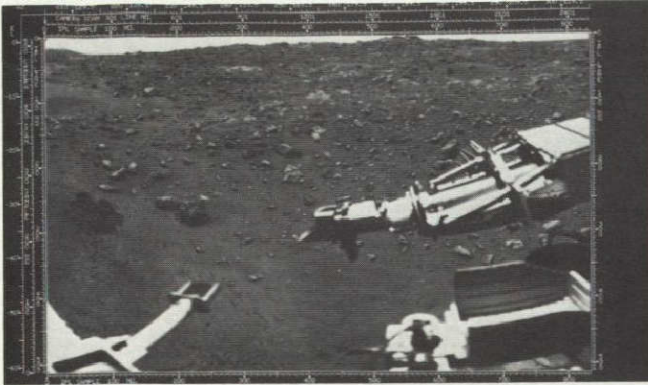
11A146/026 BLU/T 11A146/026 GRN/T 11A146/026 RED/T



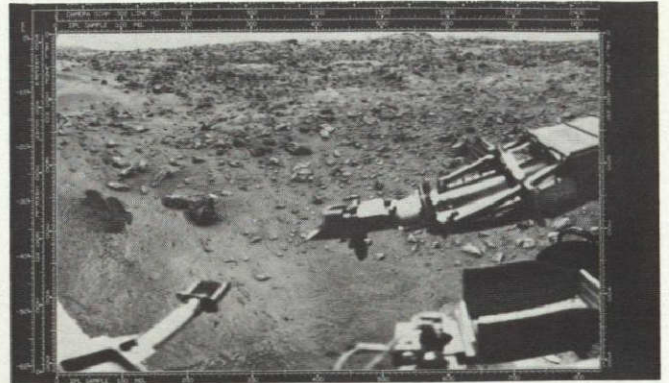
11A147/026 BLU/T

11A147/026-11A151/026

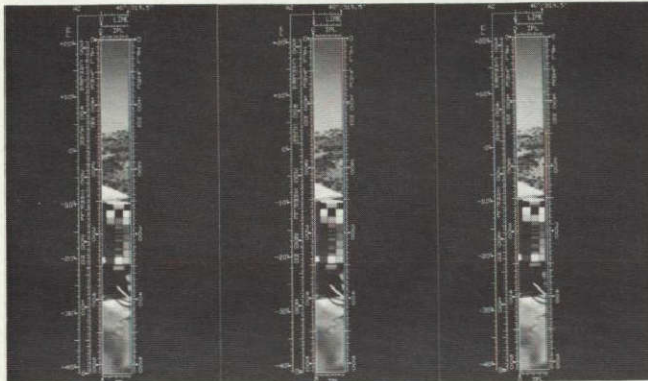
VL-1



11A147/026 GRN/T



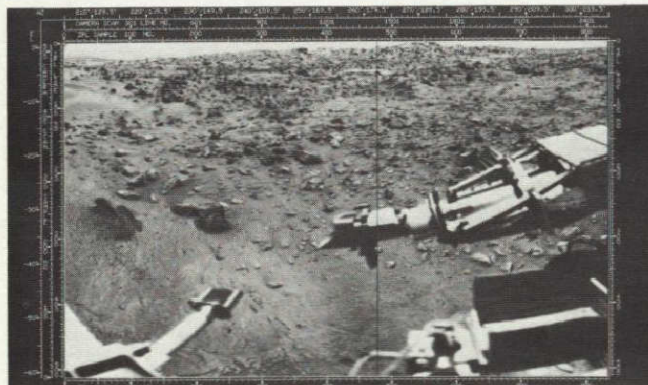
11A147/026 RED/T



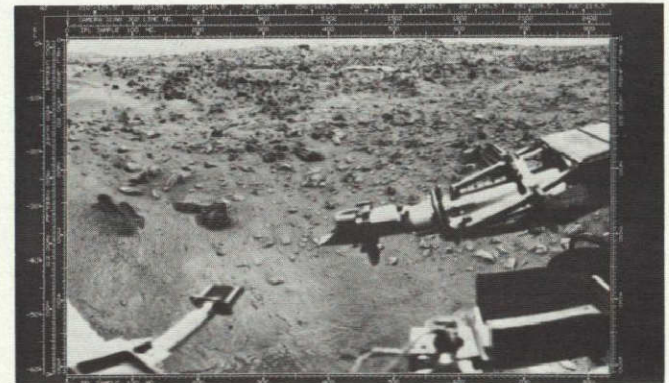
11A148/026 IR3/T 11A148/026 IR2/T 11A148/026 IR1/T



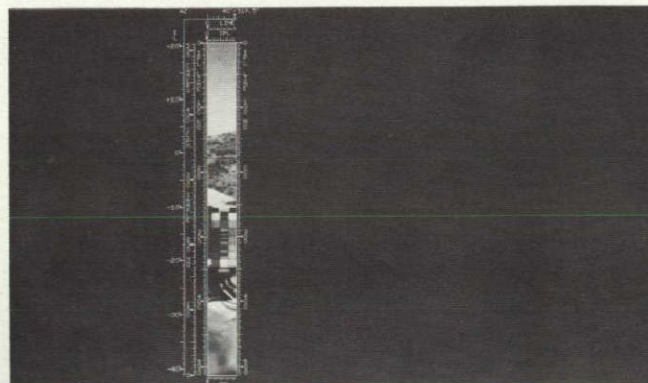
11A149/026 IR3/T



11A149/026 IR2/T



11A149/026 IR1/T



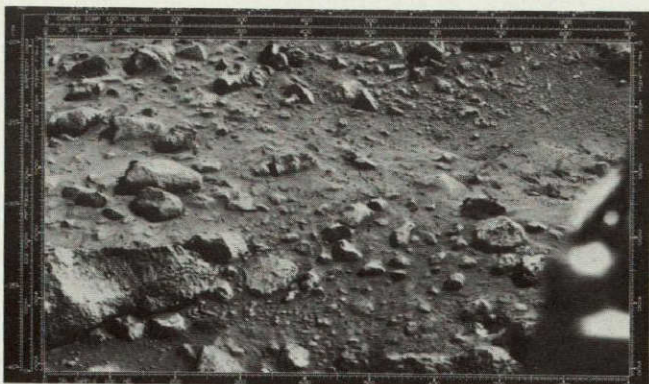
11A150/026 SURV



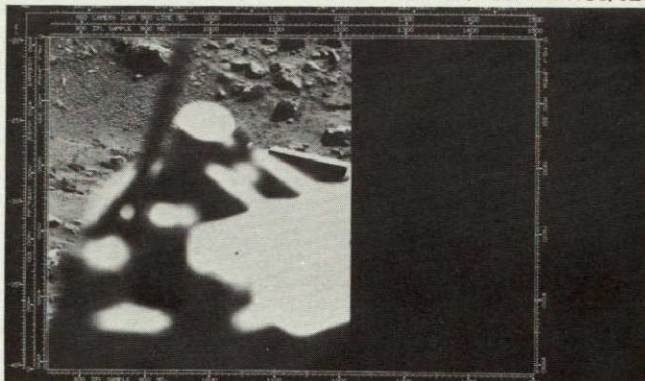
11A151/026 SURV

VL-1

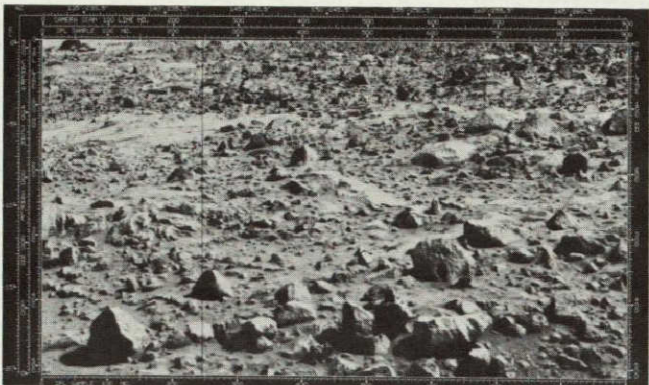
12A152/026-11A156/027



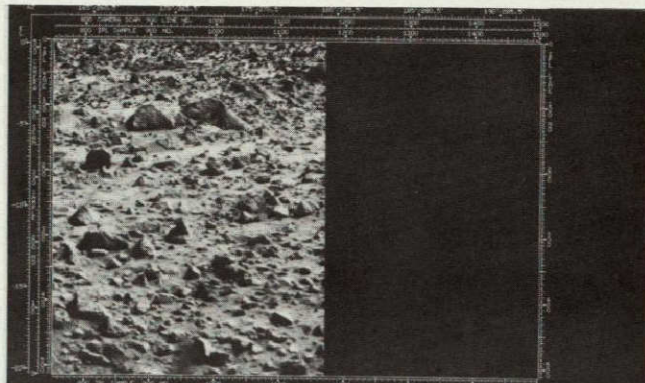
12A152/026 BB2 1/2



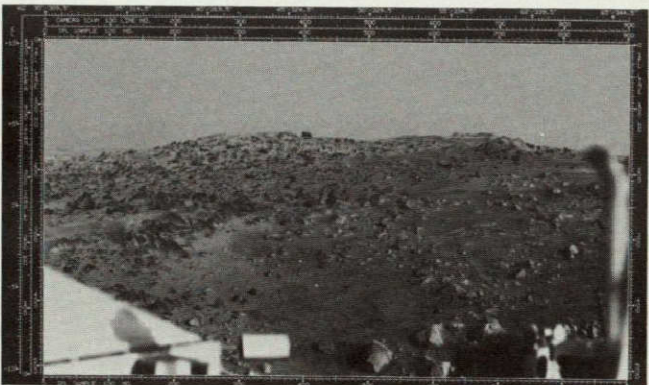
12A152/026 BB2 2/2



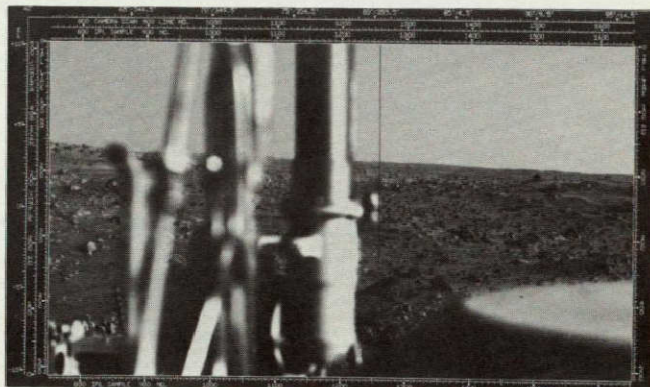
12A153/026 BB4 1/2



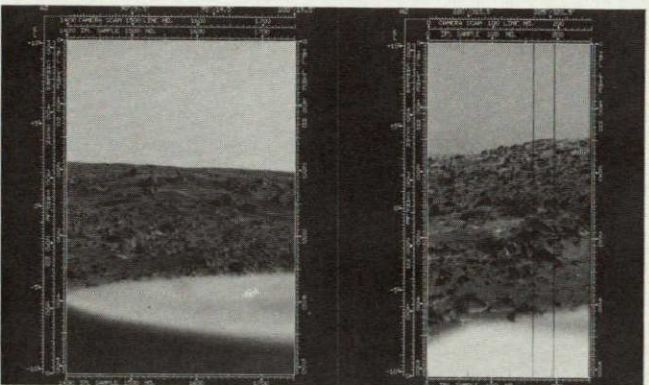
12A153/026 BB4 2/2



11A154/027 BB4 1/3



11A154/027 BB4 2/3



11A154/027 BB4 3/3

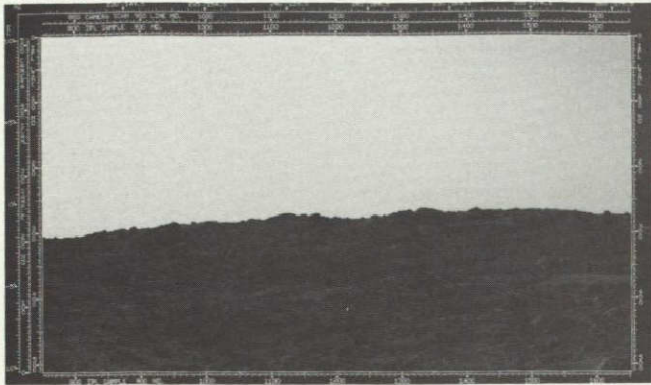
12A155/027 BB4



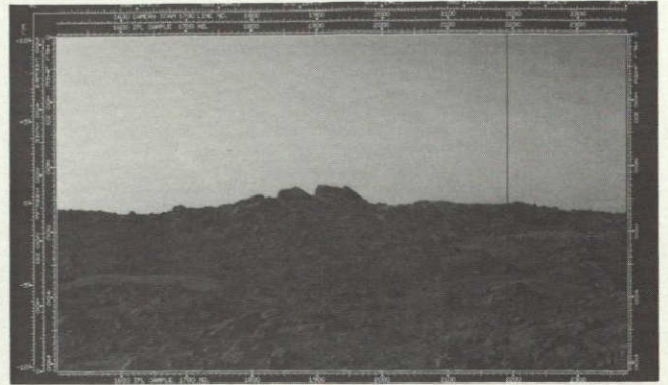
11A156/027 BB4 1/3

11A156/027-12A164/027

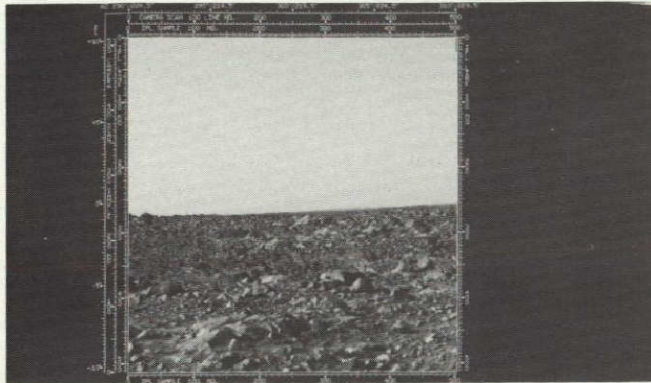
VL-1



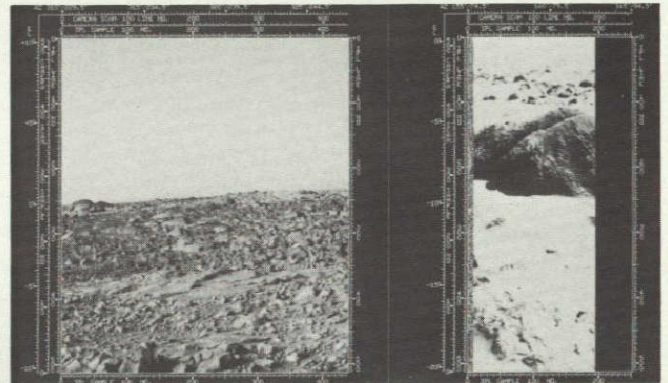
11A156/027 BB4 2/3



11A156/027 BB4 3/3

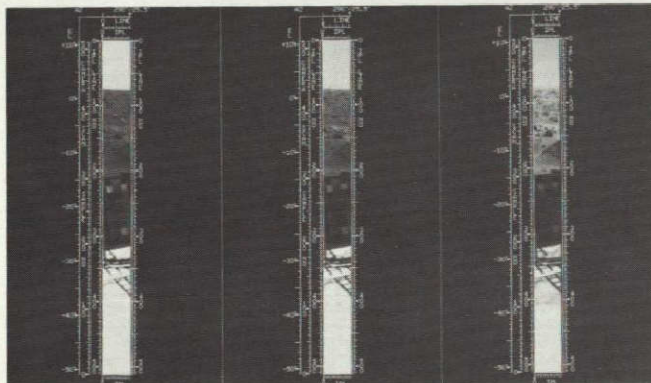


11A157/027 BB4

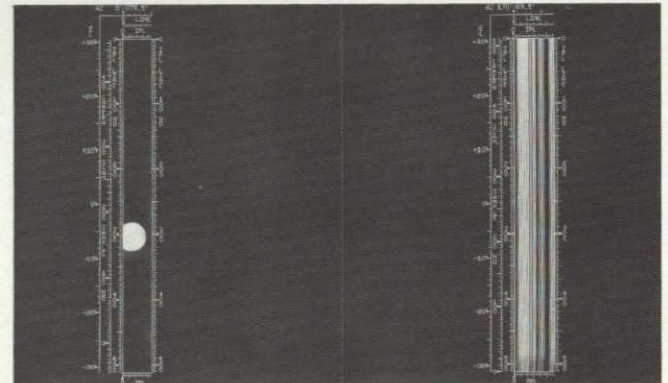


11A158/027 BB4

11A159/027 BB3

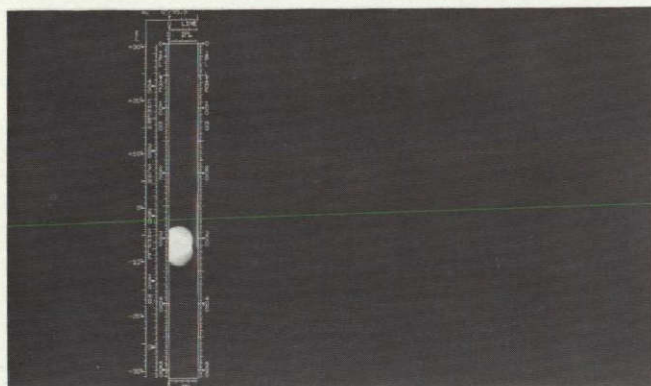


12A160/027 BLU/T 12A160/027 GRN/T 12A160/027 RED/T

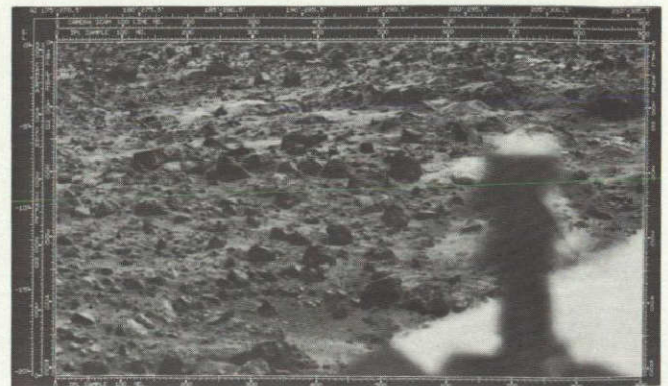


11A161/027 BB1

11A162/027 CAL



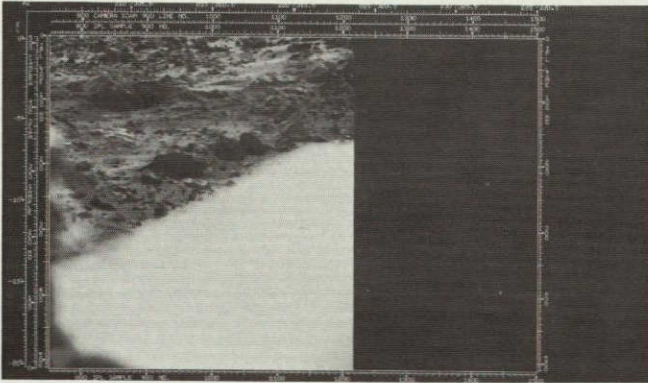
12A163/027 BB1



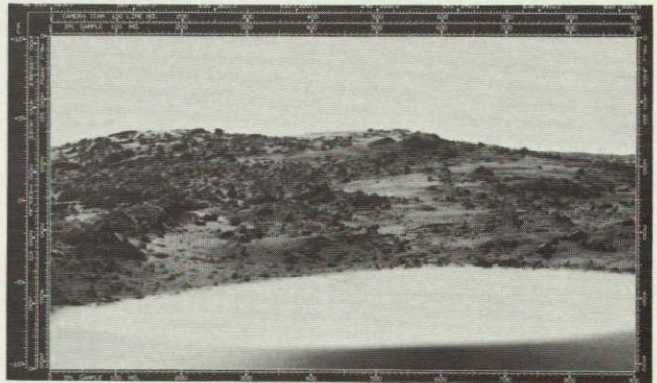
12A164/027 BB4 1/2

VL-1

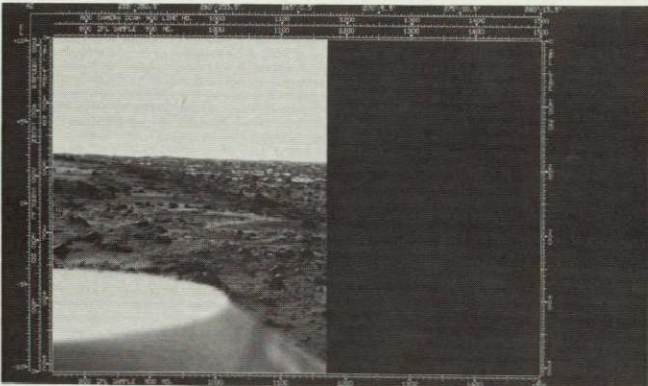
12A164/027-12A168/028



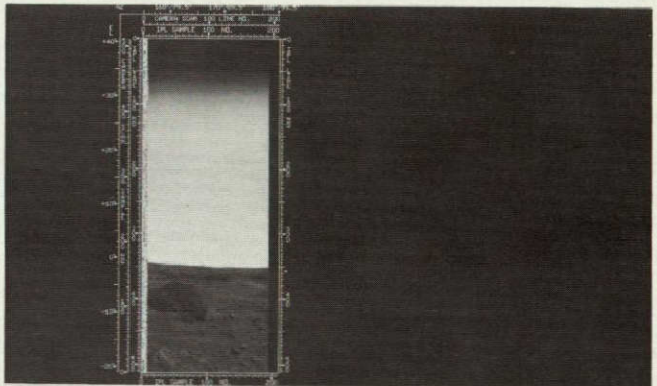
12A164/027 BB4 2/2



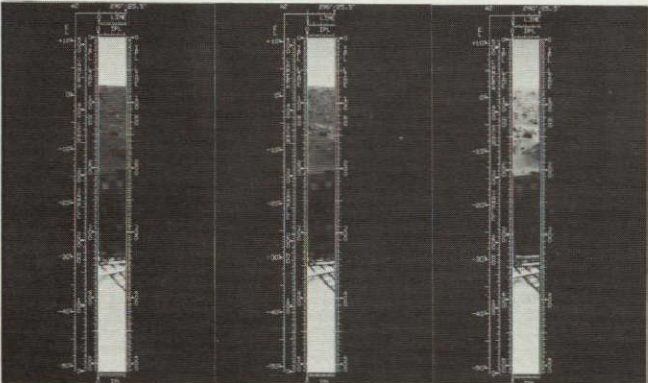
12A165/027 BB4 1/2



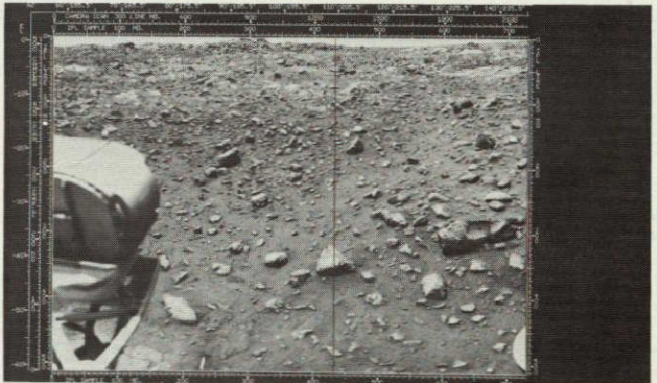
12A165/027 BB4 2/2



11A166/028 BLU



12A167/028 BLU/T 12A167/028 GRN/T 12A167/028 RED/T



12A168/028 BLU/T



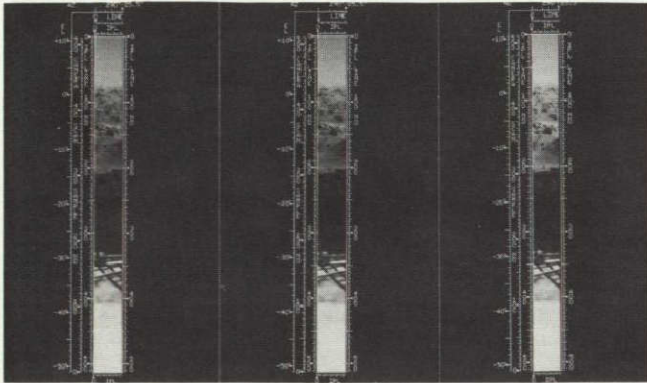
12A168/028 GRN/T



12A168/028 RED/T

12A169/028-11A173/028

VL-1



12A169/028 IR3/T 12A169/028 IR2/T 12A169/028 IR1/T



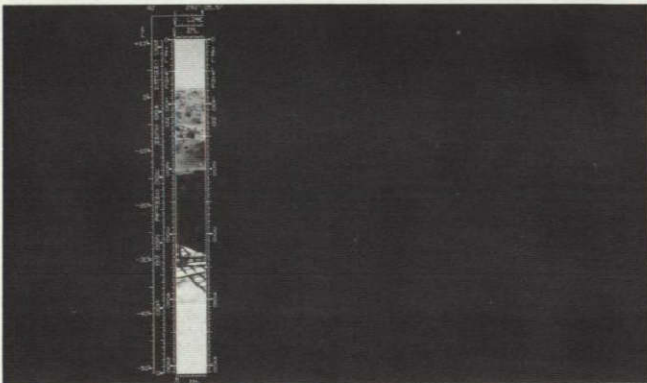
12A170/028 IR3/T



12A170/028 IR2/T



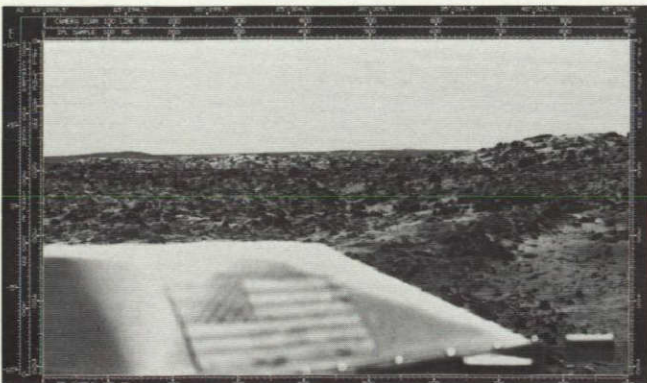
12A170/028 IR1/T



12A171/028 SURV



12A172/028 SURV



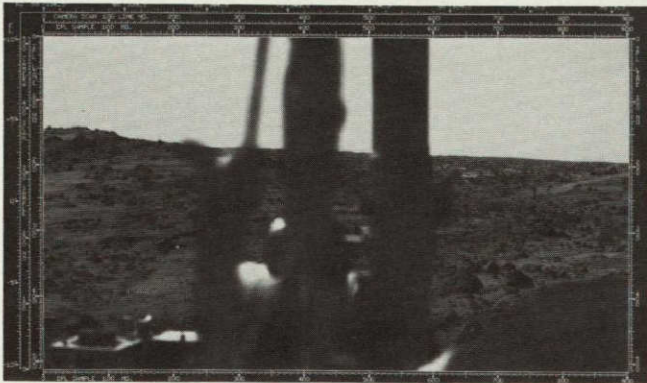
11A173/028 BB4 1/2



11A173/028 BB4 2/2

VL-1

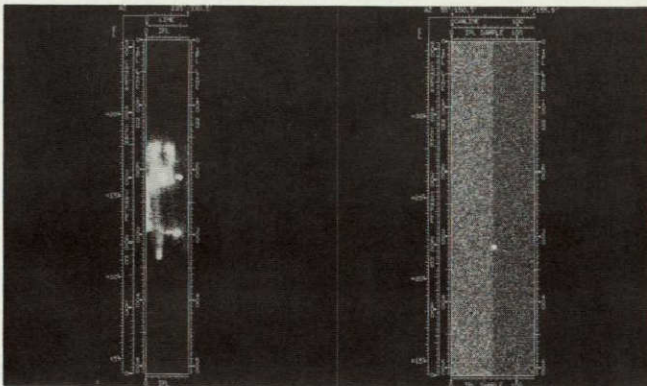
11A174/028-12A183/029



11A174/028 BB4 1/2

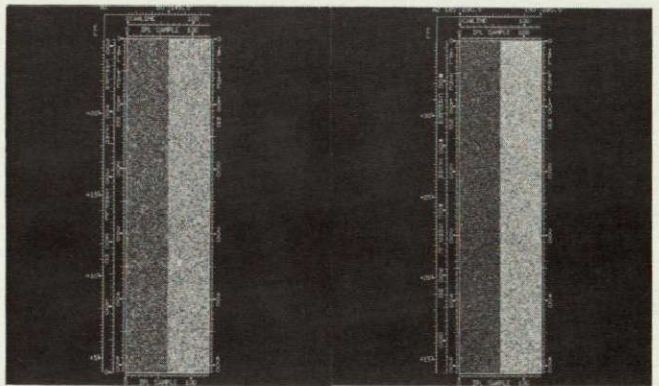


11A174/028 BB4 2/2



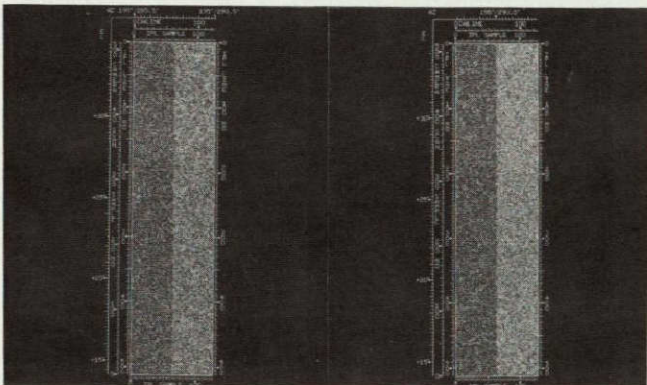
12A175/028 SUN

12A176/028 BLU



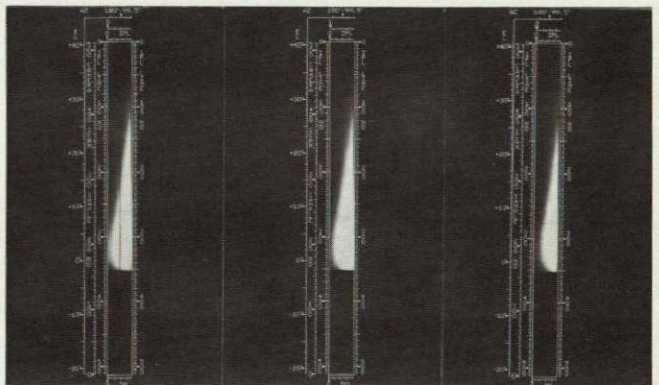
12A177/028 BLU

12A178/029 BLU

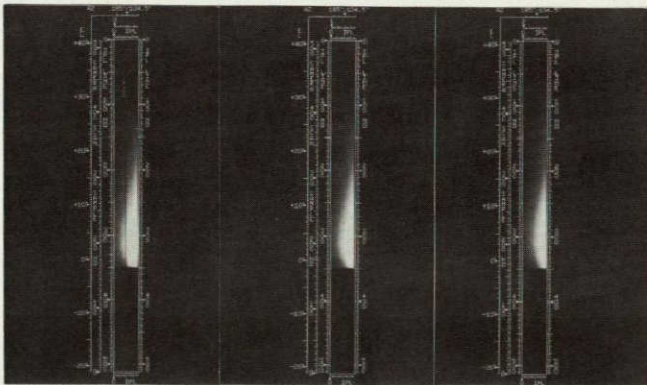


12A179/029 BLU

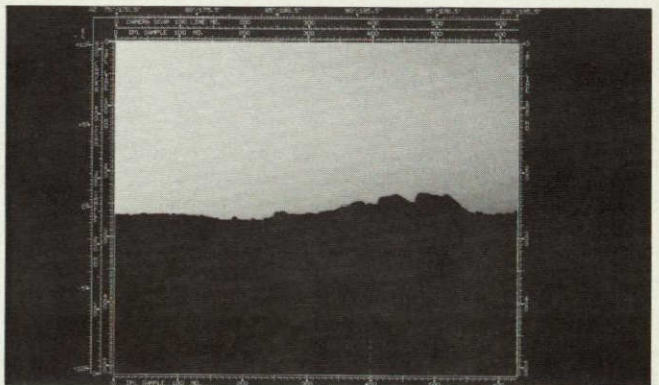
12A180/029 BLU



11A181/029 BLU/T 11A181/029 GRN/T 11A181/029 RED/T



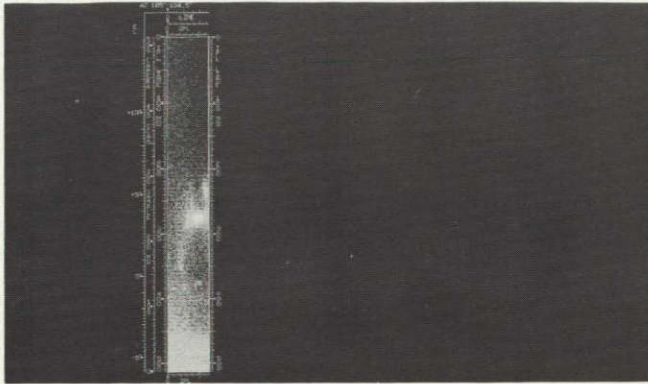
11A182/029 BLU/T 11A182/029 GRN/T 11A182/029 RED/T



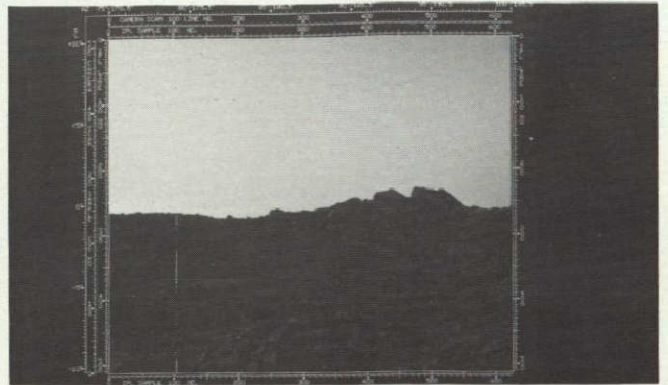
12A183/029 BB4

11A184/029-11A191/029

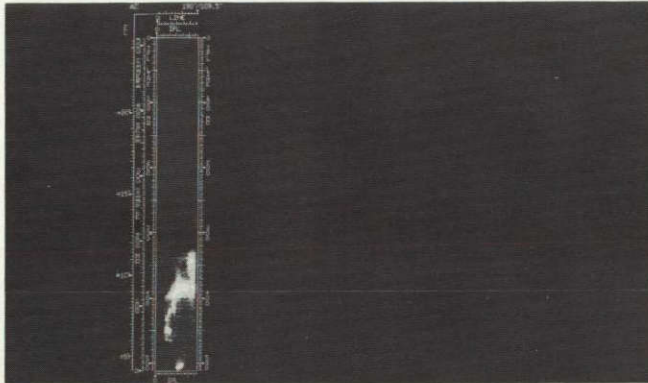
VL-1



11A184/029 SUN



12A185/029 BB4



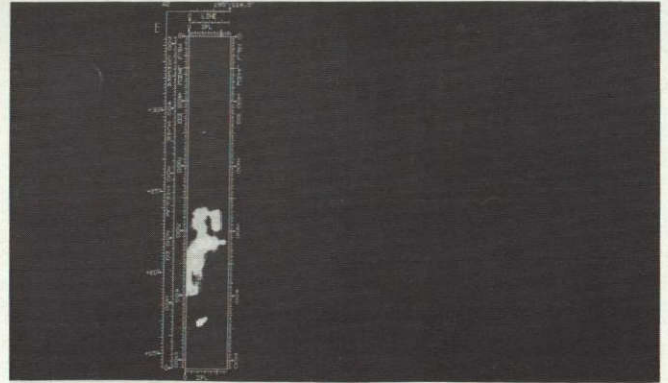
11A186/029 SUN



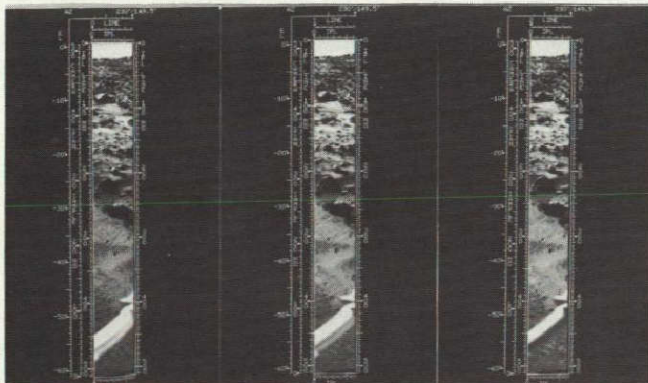
12A187/029 BB4



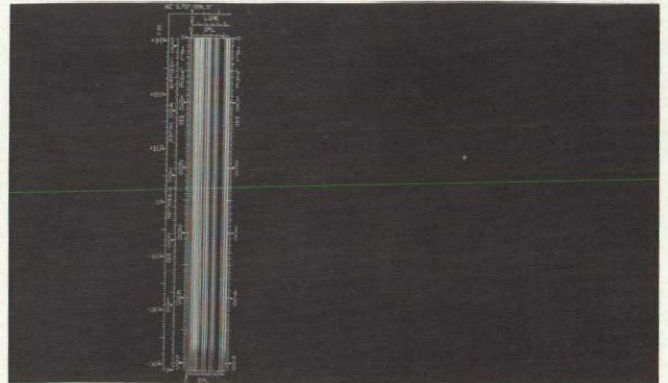
12A188/029 BB4



11A189/029 SUN



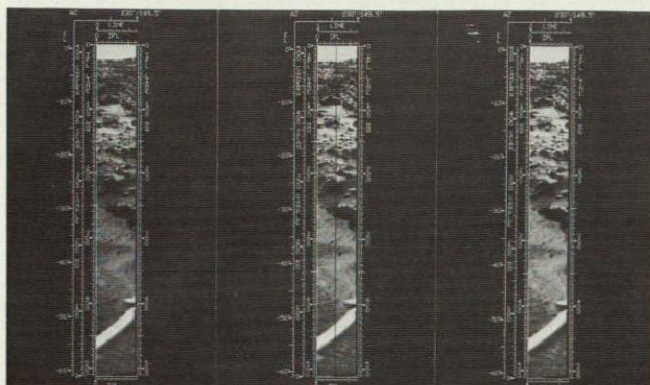
11A190/029 BLU/T 11A190/029 GRN/T 11A190/029 RED/T



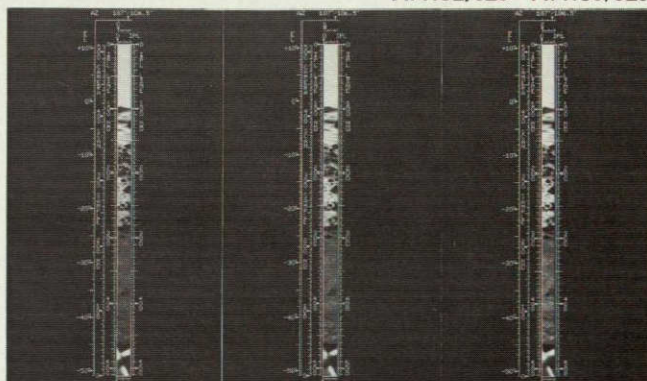
11A191/029 CAL

VL-1

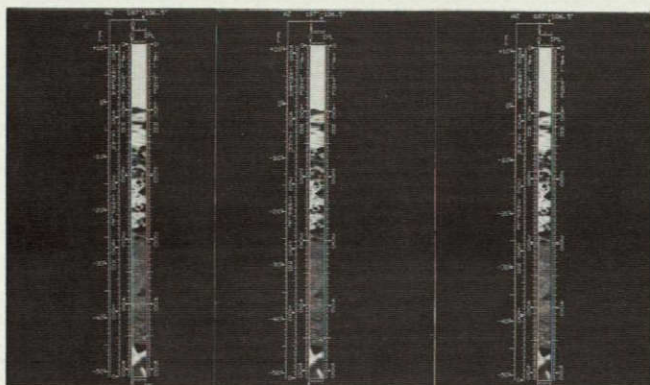
11A192/029-11A199/029



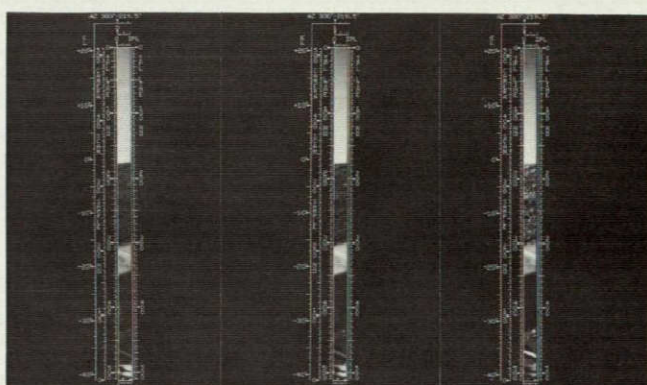
11A192/029 IR3/T 11A192/029 IR2/T 11A192/029 IR1/T



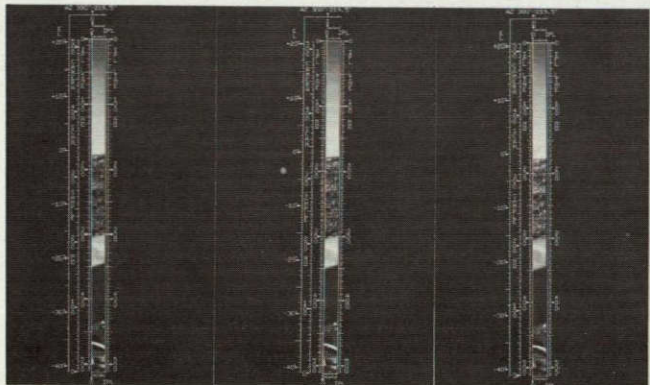
11A193/029 BLU/T 11A193/029 GRN/T 11A193/029 RED/T



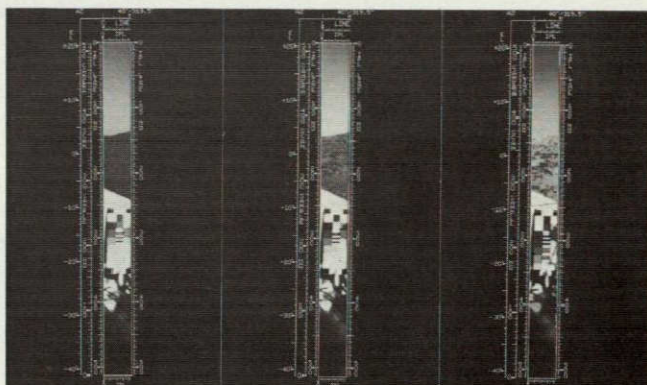
11A194/029 IR3/T 11A194/029 IR2/T 11A194/029 IR1/T



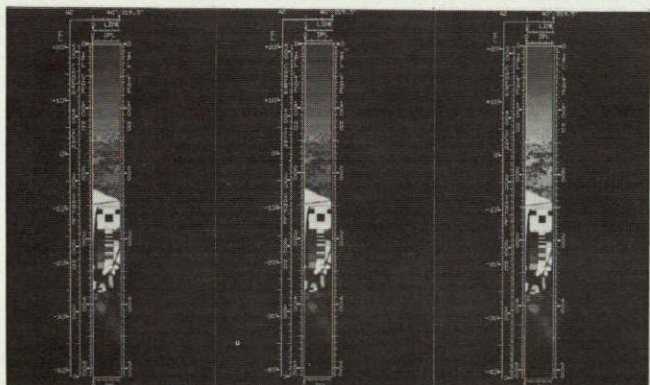
11A195/029 BLU/T 11A195/029 GRN/T 11A195/029 RED/T



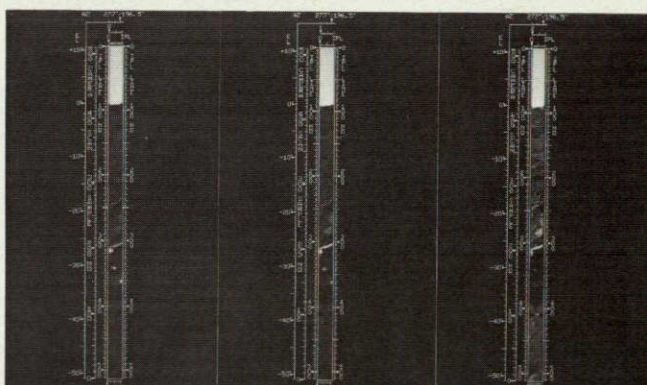
11A196/029 IR3/T 11A196/029 IR2/T 11A196/029 IR1/T



11A197/029 BLU/T 11A197/029 GRN/T 11A197/029 RED/T



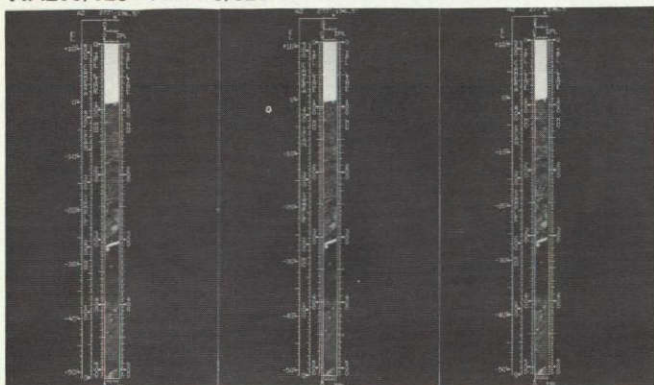
11A198/029 IR3/T 11A198/029 IR2/T 11A198/029 IR1/T



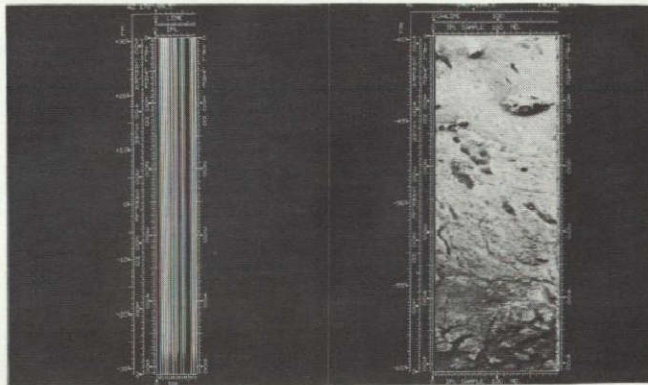
11A199/029 BLU/T 11A199/029 GRN/T 11A199/029 RED/T

11A200/029-11A208/029

VL-1

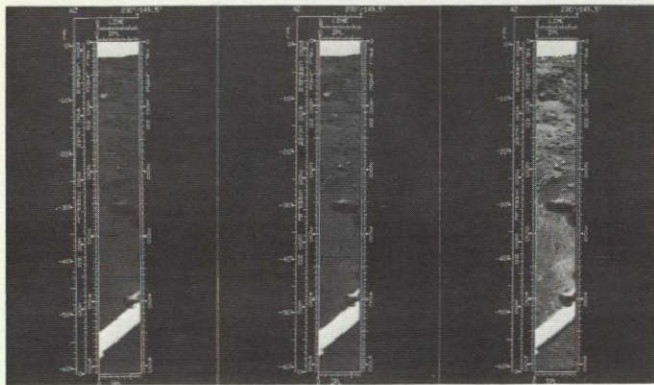


11A200/029 IR3/T 11A200/029 IR2/T 11A200/029 IR1/T

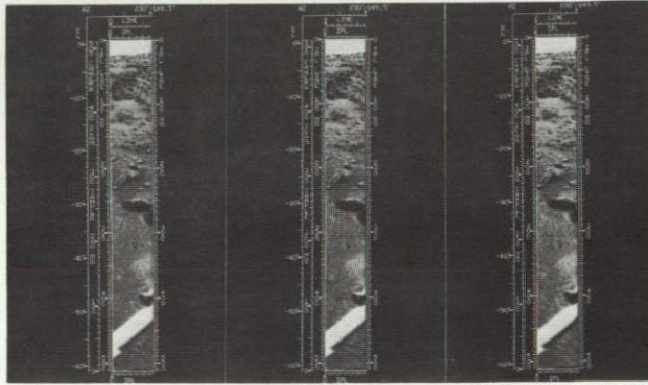


11A201/029 CAL

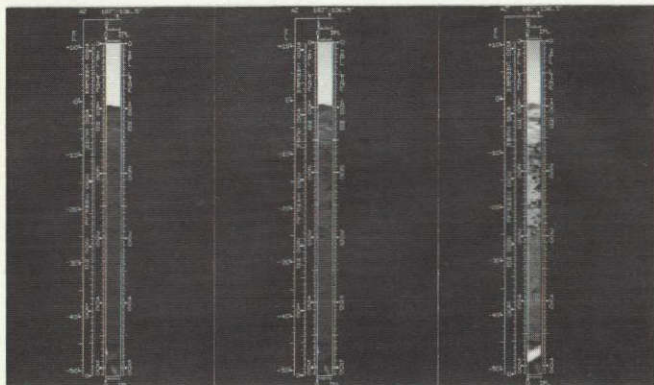
11A202/029 BB1



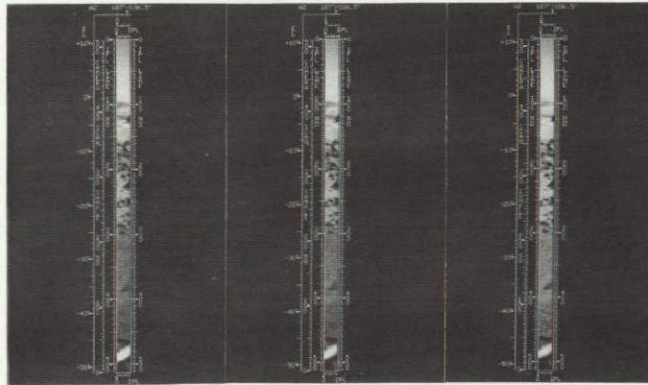
11A203/029 BLU/T 11A203/029 GRN/T 11A203/029 RED/T



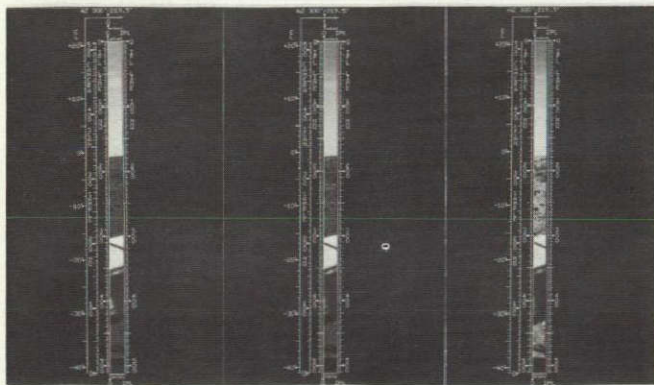
11A204/029 IR3/T 11A204/029 IR2/T 11A204/029 IR1/T



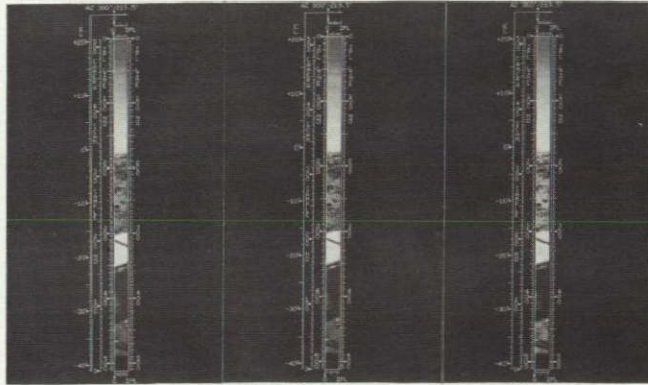
11A205/029 BLU/T 11A205/029 GRN/T 11A205/029 RED/T



11A206/029 IR3/T 11A206/029 IR2/T 11A206/029 IR1/T



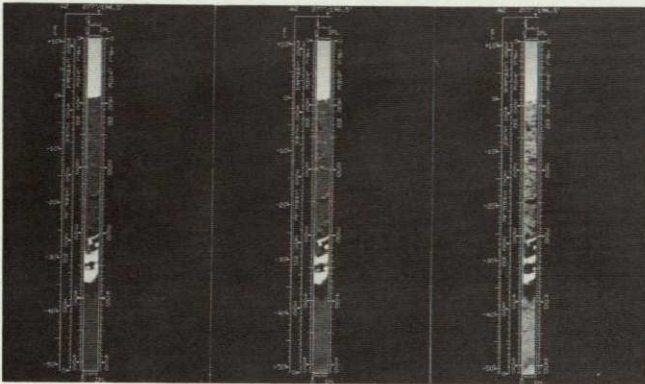
11A207/029 BLU/T 11A207/029 GRN/T 11A207/029 RED/T



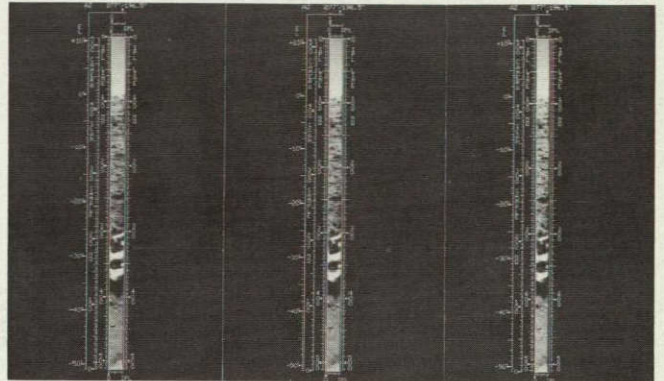
11A208/029 IR3/T 11A208/029 IR2/T 11A208/029 IR1/T

VL-1

11A209/029-11A214/029



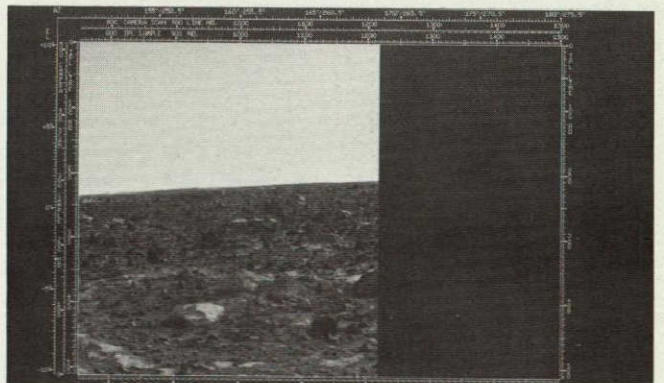
11A209/029 BLU/T 11A209/029 GRN/T 11A209/029 RED/T



11A210/029 IR3/T 11A210/029 IR2/T 11A210/029 IR1/T



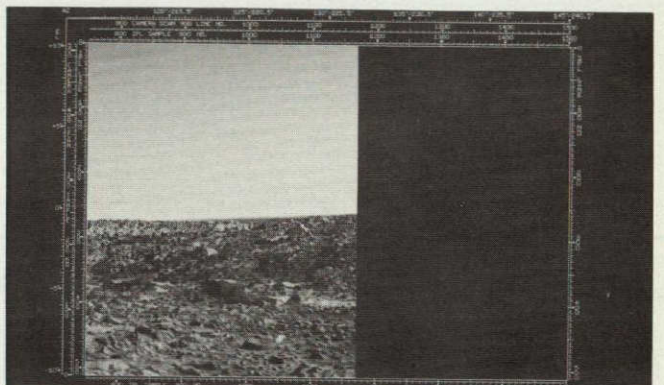
12A211/029 BB4 1/2



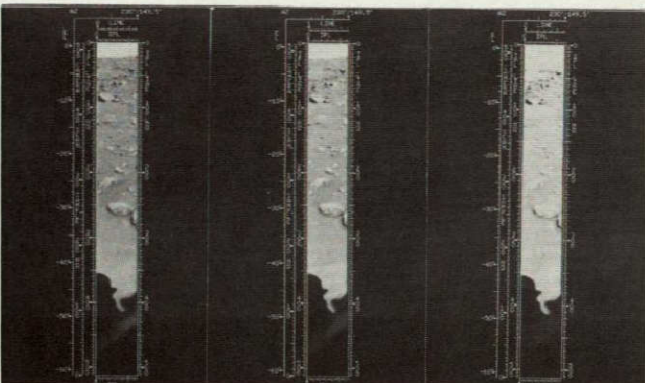
12A211/029 BB4 2/2



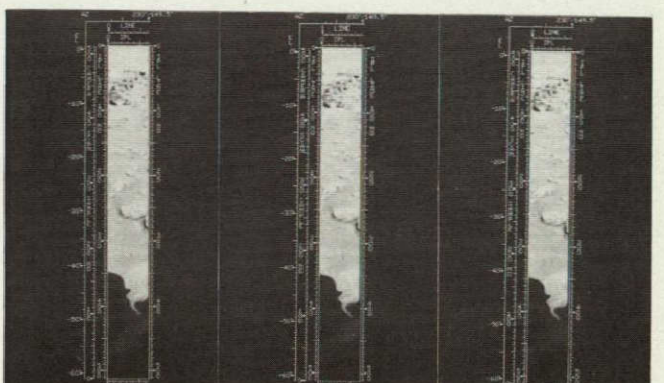
12A212/029 BB4 1/2



12A212/029 BB4 2/2



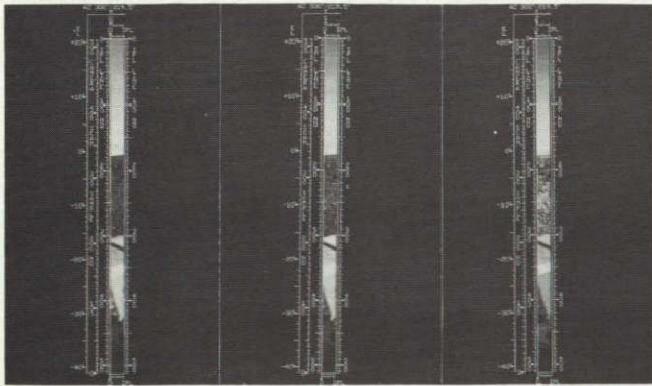
11A213/029 BLU/T 11A213/029 GRN/T 11A213/029 RED/T



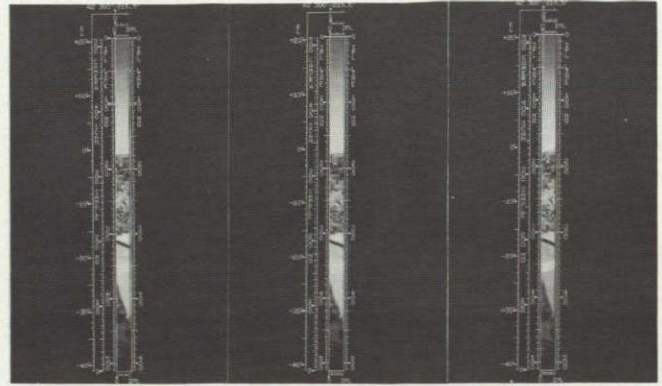
11A214/029 IR3/T 11A214/029 IR2/T 11A214/029 IR1/T

11A215/029-11A222/029

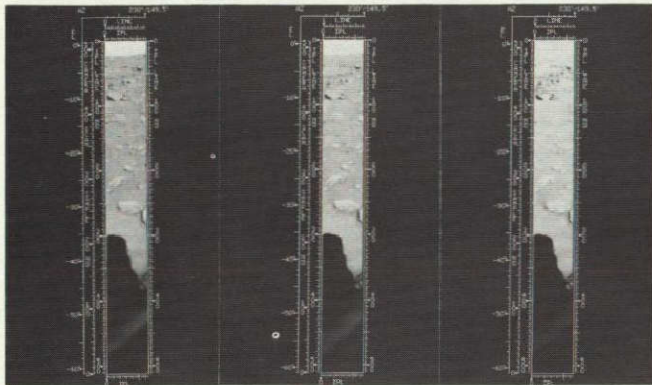
VL-1



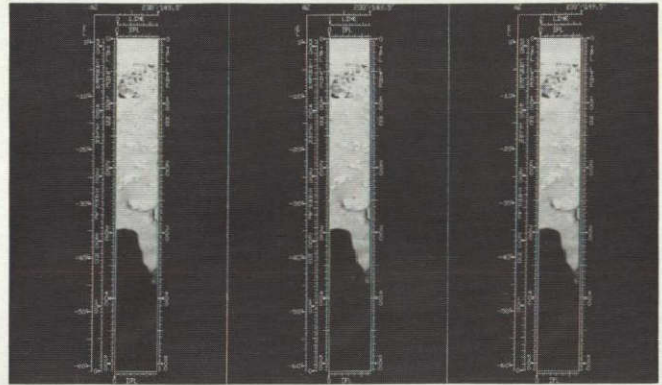
11A215/029 BLU/T 11A215/029 GRN/T 11A215/029 RED/T



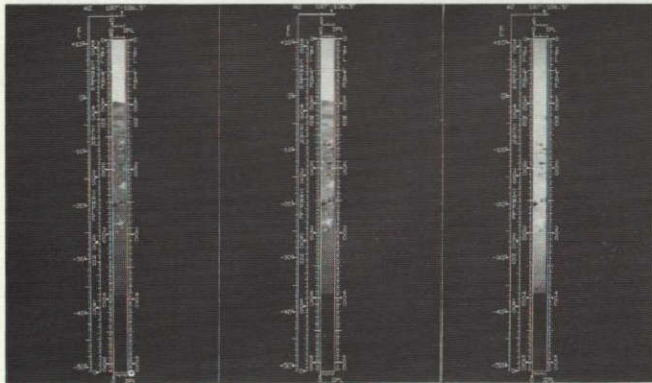
11A216/029 IR3/T 11A216/029 IR2/T 11A216/029 IR1/T



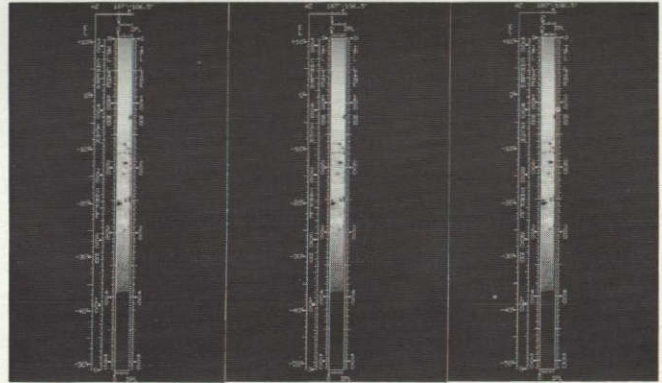
11A217/029 BLU/T 11A217/029 GRN/T 11A217/029 RED/T



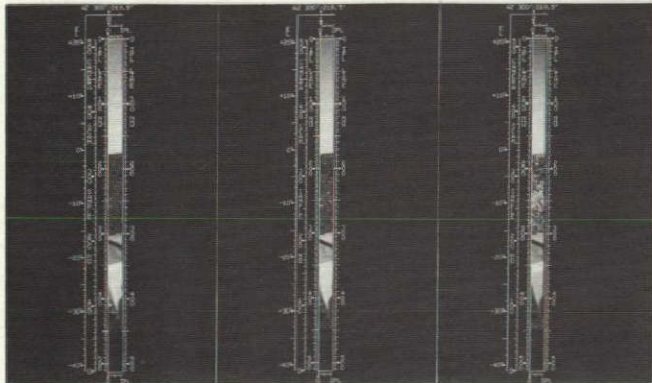
11A218/029 IR3/T 11A218/029 IR2/T 11A218/029 IR1/T



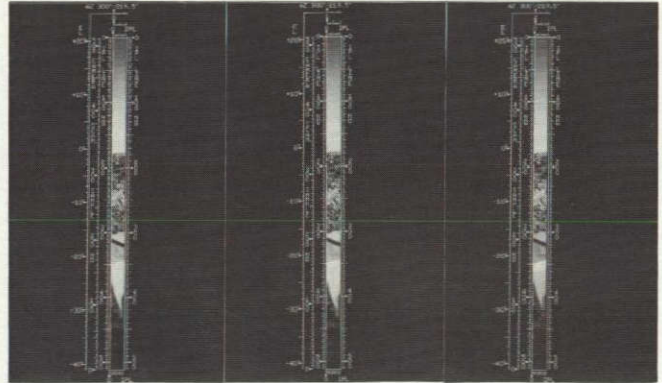
11A219/029 BLU/T 11A219/029 GRN/T 11A219/029 RED/T



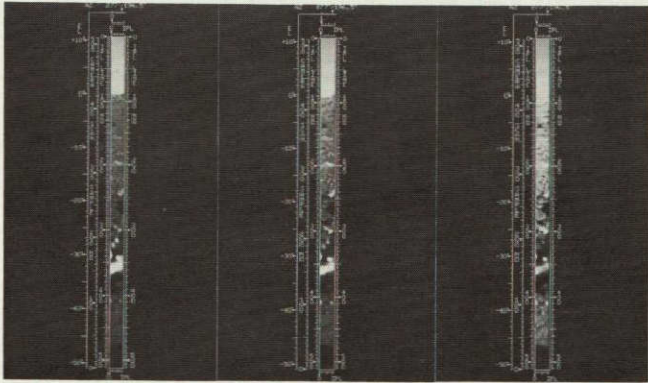
11A220/029 IR3/T 11A220/029 IR2/T 11A220/029 IR1/T



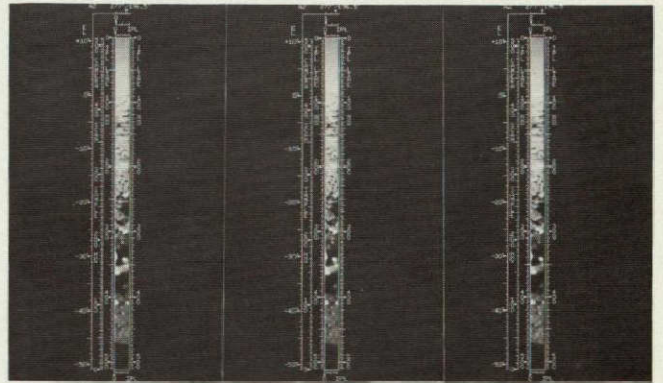
11A221/029 BLU/T 11A221/029 GRN/T 11A221/029 RED/T



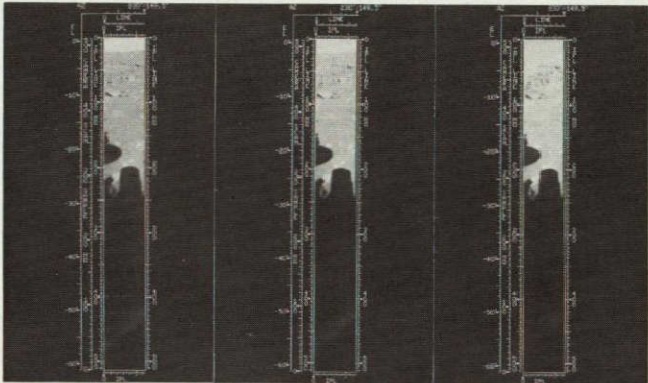
11A222/029 IR3/T 11A222/029 IR2/T 11A222/029 IR1/T



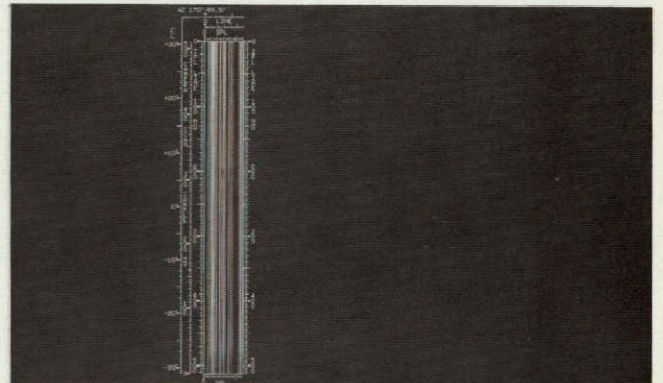
11A223/029 BLU/T 11A223/029 GRN/T 11A223/029 RED/T



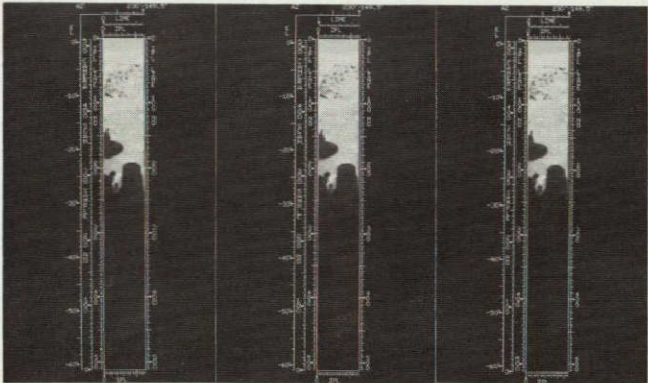
11A224/029 IR3/T 11A224/029 IR2/T 11A224/029 IR1/T



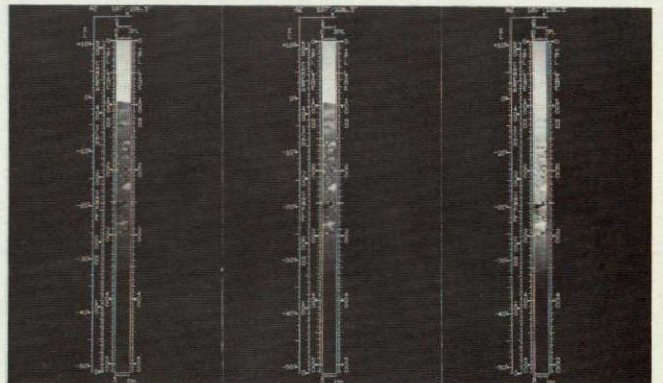
11A225/029 BLU/T 11A225/029 GRN/T 11A225/029 RED/T



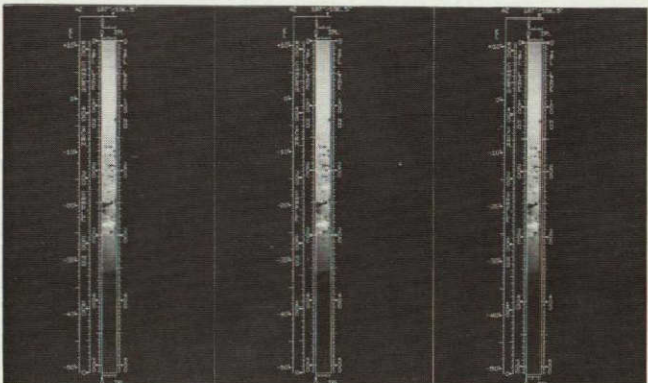
11A226/029 CAL



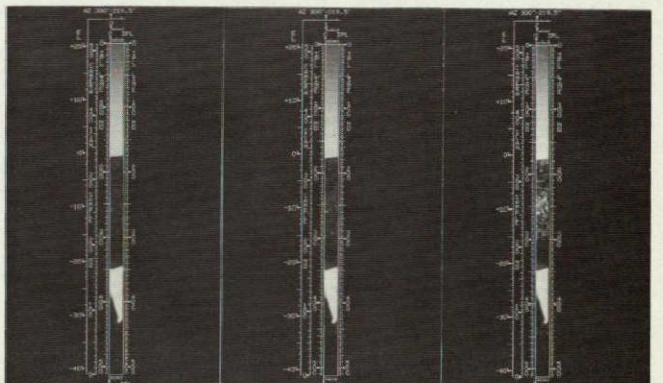
11A227/029 IR3/T 11A227/029 IR2/T 11A227/029 IR1/T



11A228/029 BLU/T 11A228/029 GRN/T 11A228/029 RED/T



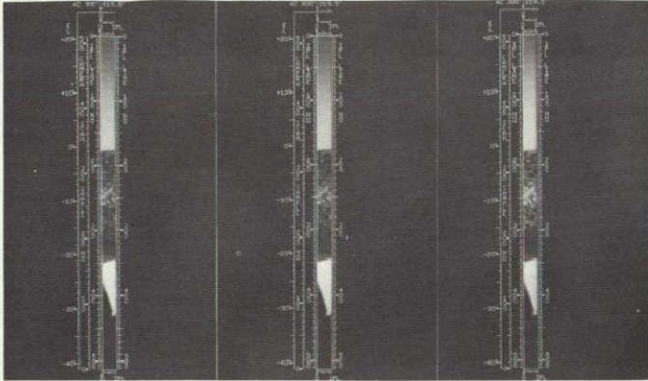
11A229/029 IR3/T 11A229/029 IR2/T 11A229/029 IR1/T



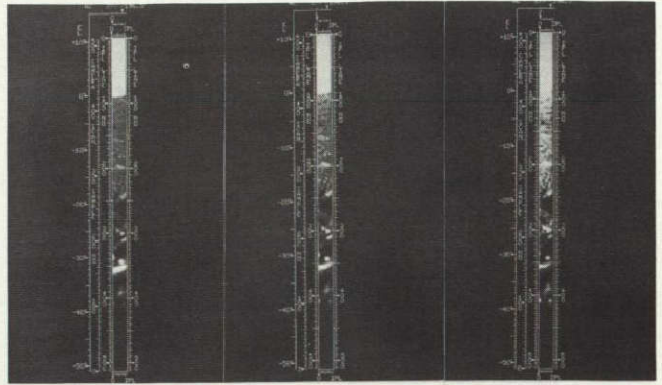
11A230/029 BLU/T 11A230/029 GRN/T 11A230/029 RED/T

11A231/029-12A235/029

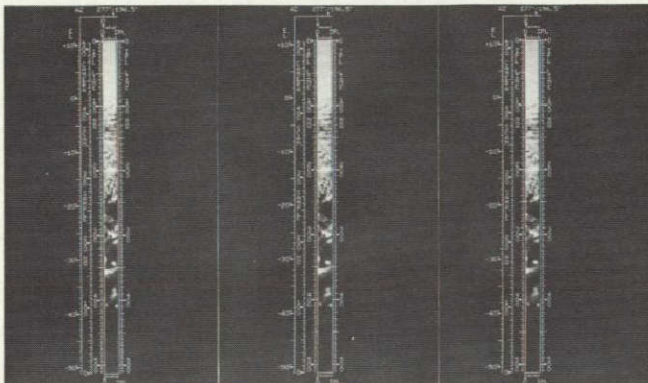
VL-1



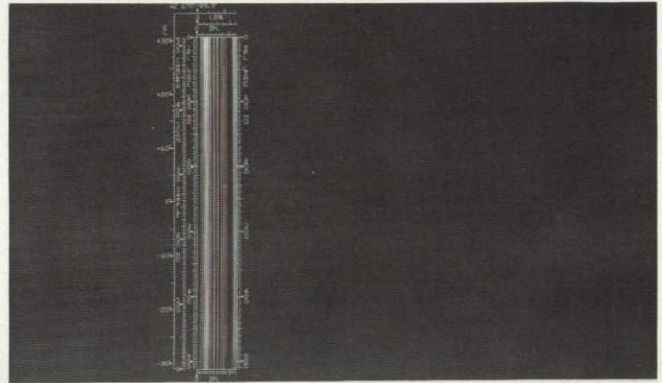
11A231/029 IR3/T 11A231/029 IR2/T 11A231/029 IR1/T



11A232/029 BLU/T 11A232/029 GRN/T 11A232/029 RED/T



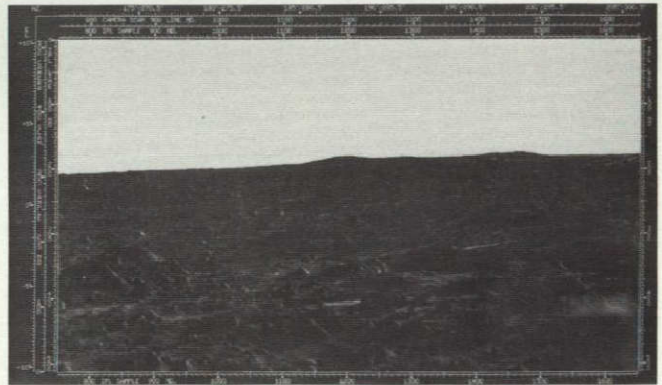
11A233/029 IR3/T 11A233/029 IR2/T 11A233/029 IR1/T



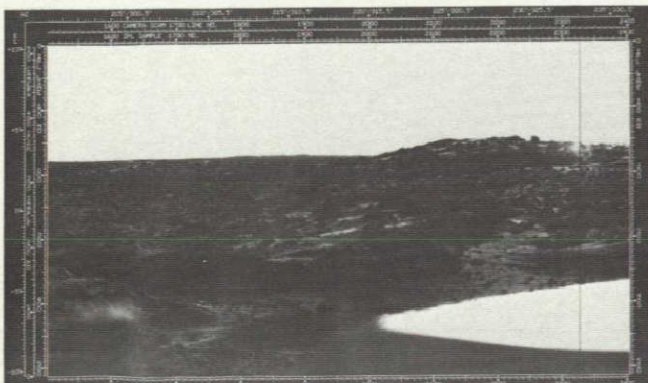
11A234/029 CAL



12A235/029 BB4 1/5



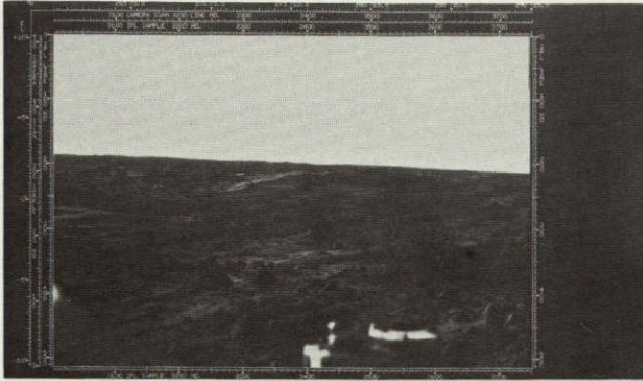
12A235/029 BB4 2/5



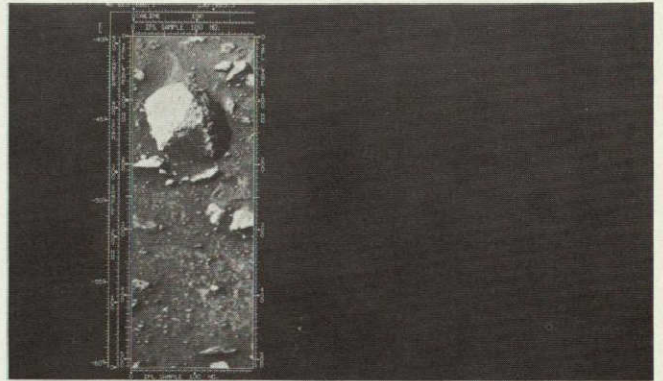
12A235/029 BB4 3/5



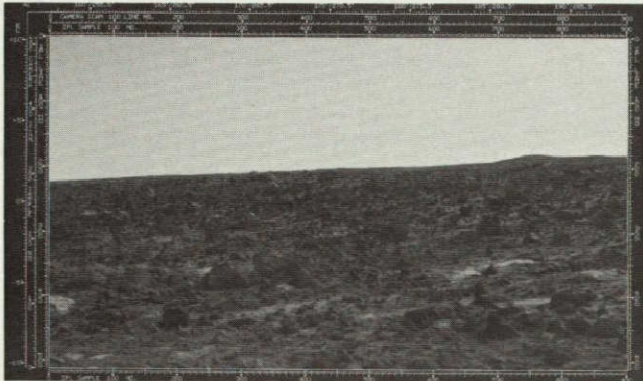
12A235/029 BB4 4/5



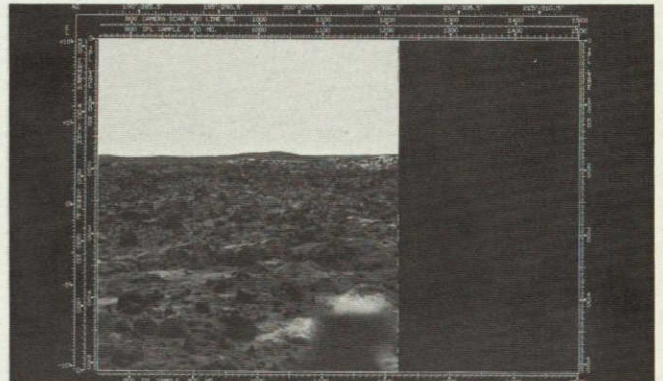
12A235/029 BB4 5/5



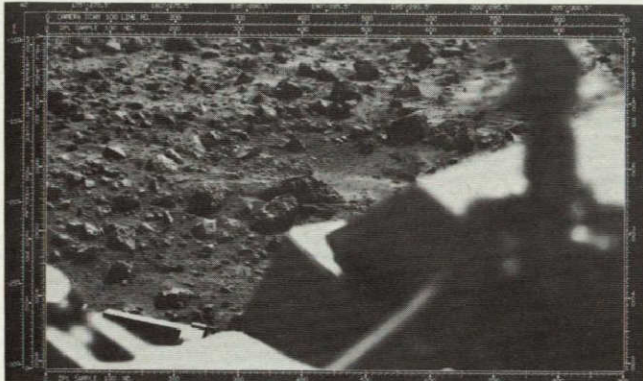
12A236/030 BB1



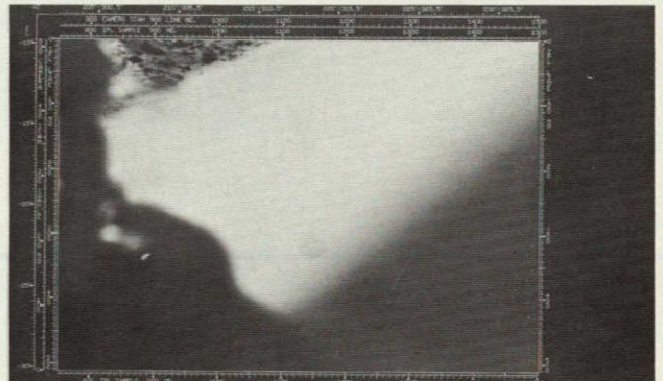
12A237/030 BB4 1/2



12A237/030 BB4 2/2



12A238/030 BB2 1/2



12A238/030 BB2 2/2



12A239/030 BLU/T



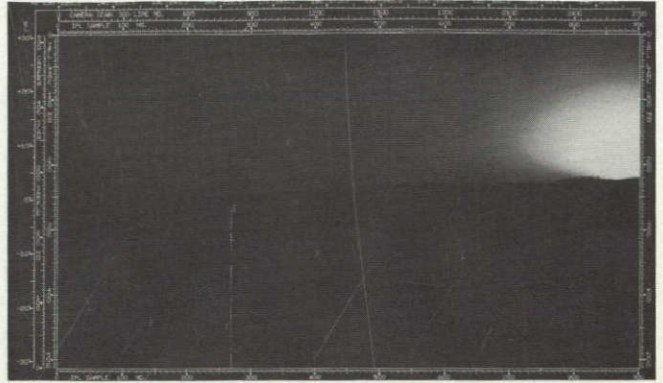
12A239/030 GRN/T

12A239/030-12A243/031

VL-1



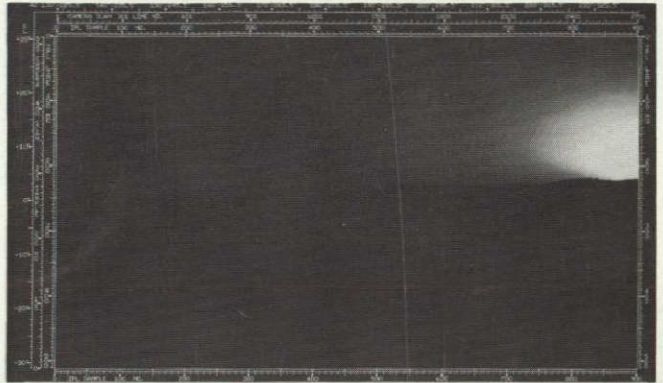
12A239/030 RED/T



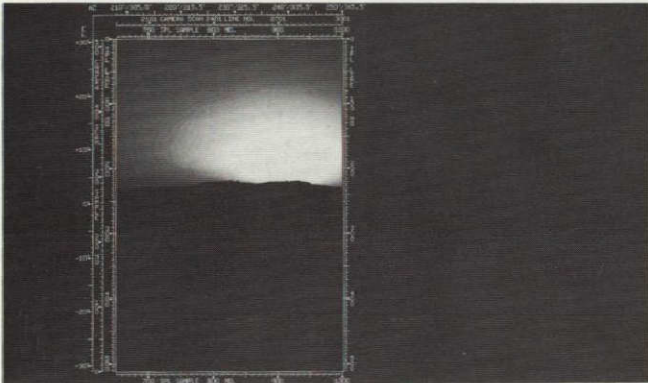
12A240/030 BLU/T 1/2



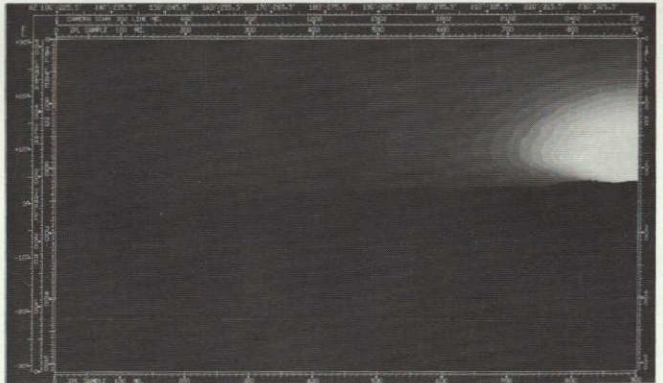
12A240/030 BLU/T 2/2



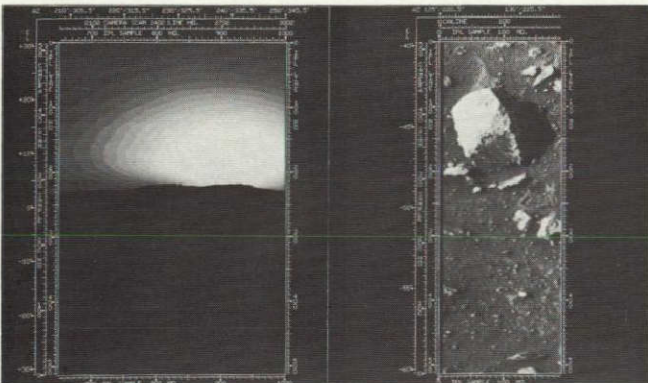
12A240/030 GRN/T 1/2



12A240/030 GRN/T 2/2

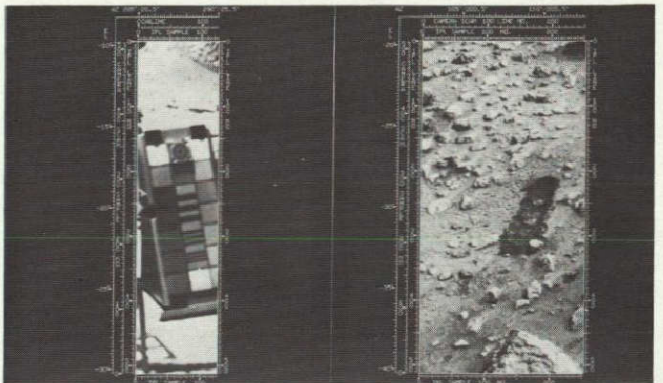


12A240/030 RED/T 1/2



12A240/030 RED/T 2/2

12A241/031 BB1

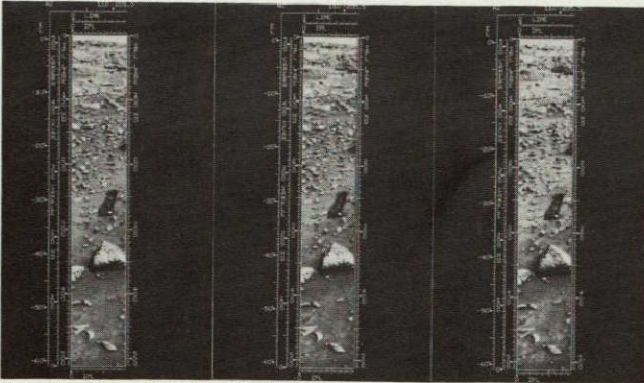


12A242/031 BB1

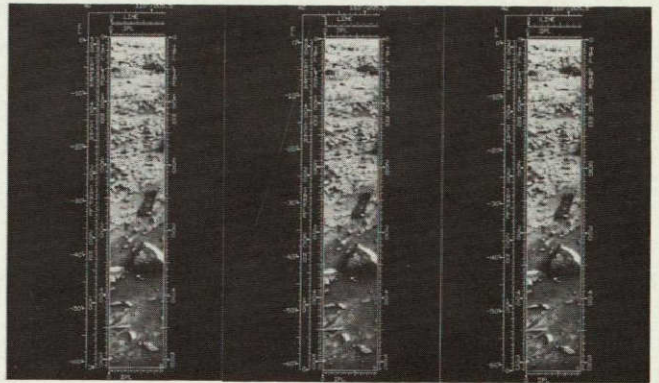
12A243/031 BB2

VL-1

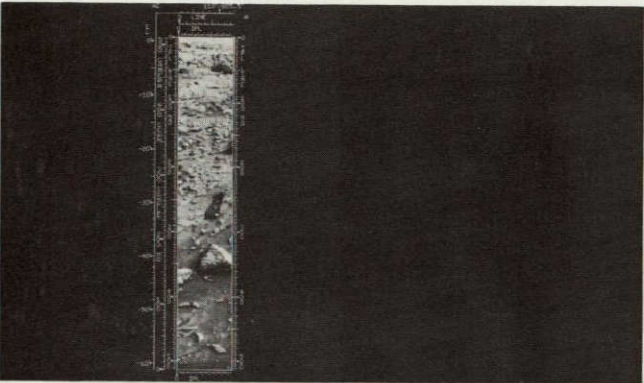
12A244/031-11A250/031



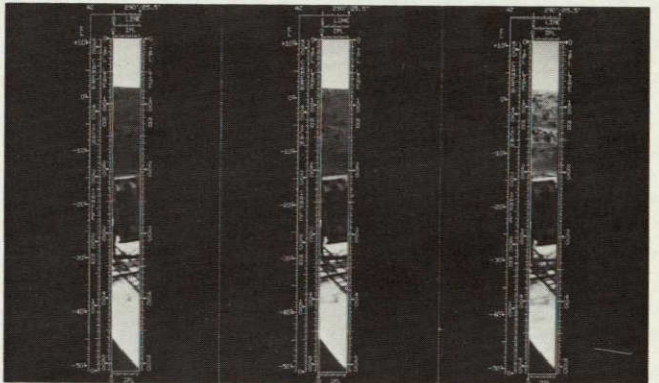
12A244/031 BLU/T 12A244/031 GRN/T 12A244/031 RED/T



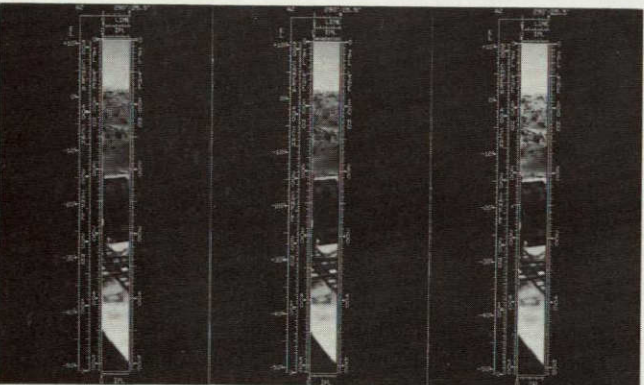
12A245/031 IR3/T 12A245/031 IR2/T 12A245/031 IR1/T



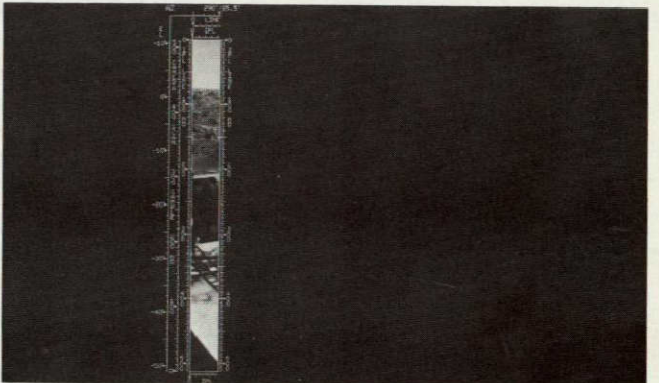
12A246/031 SURV



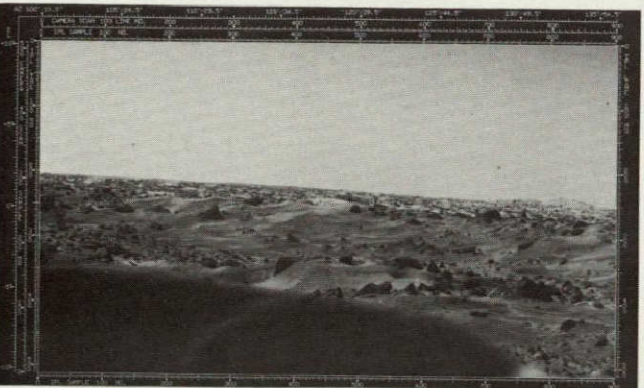
12A247/031 BLU/T 12A247/031 GRN/T 12A247/031 RED/T



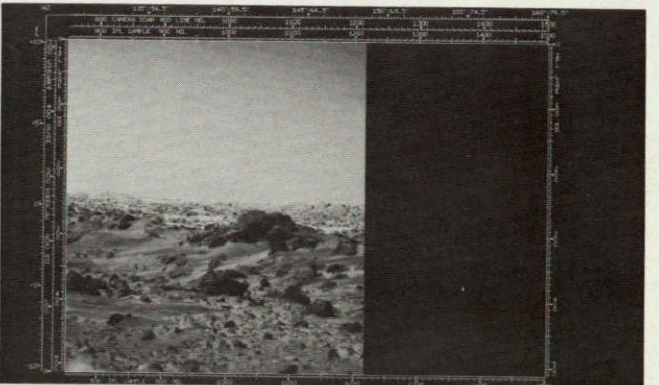
12A248/031 IR3/T 12A248/031 IR2/T 12A248/031 IR1/T



12A249/031 SURV



11A250/031 BB4 1/2



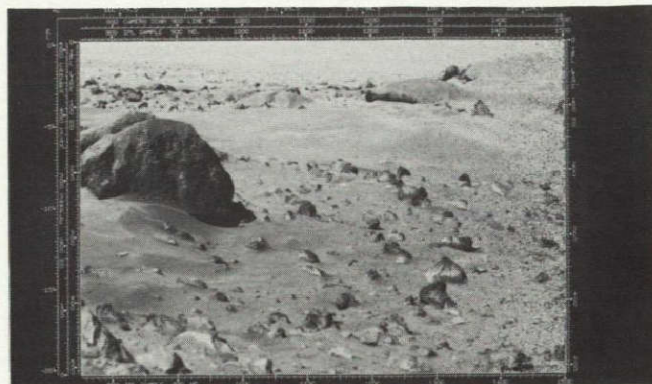
11A250/031 BB4 2/2

11A251/031-12B000/032

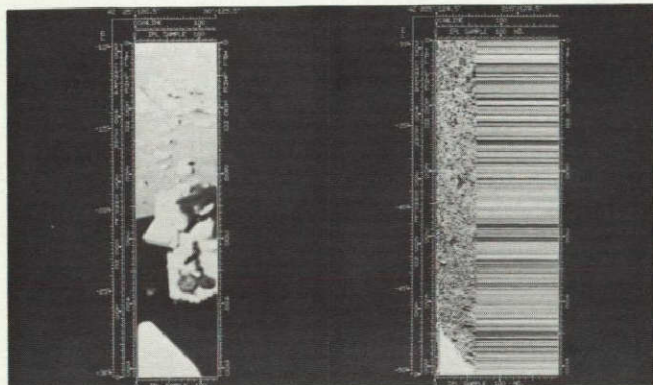
VL-1



11A251/031 BB4 1/2



11A251/031 BB4 2/2

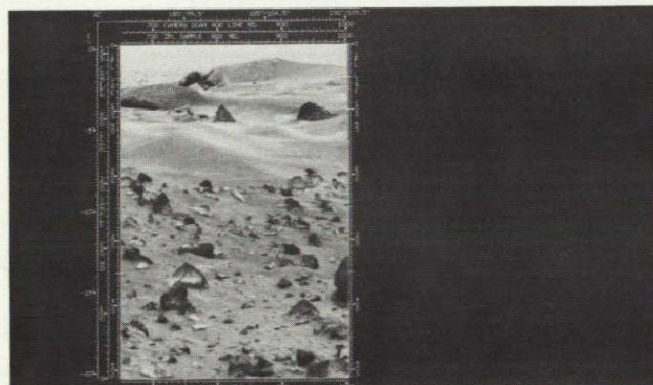


12A252/031 BB1

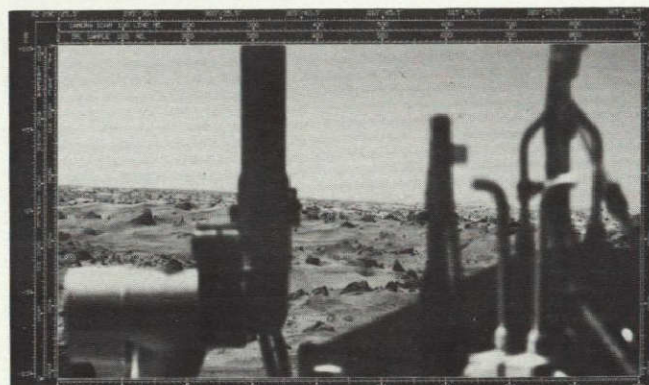
11A253/032 BB1



11A254/032 BB4 1/2



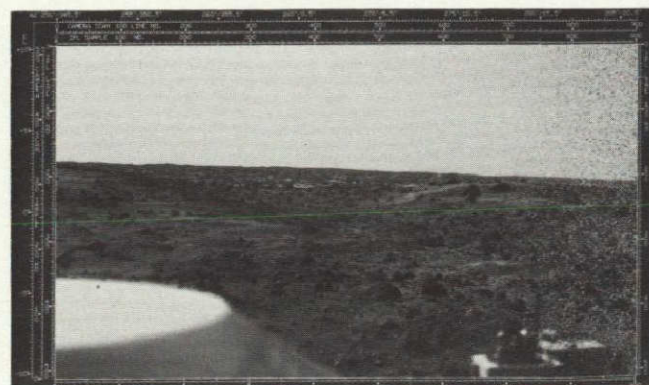
11A254/032 BB4 2/2



12A255/032 BB4 1/2



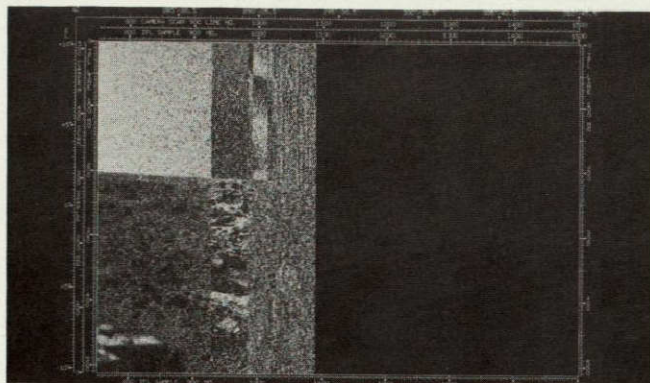
12A255/032 BB4 2/2



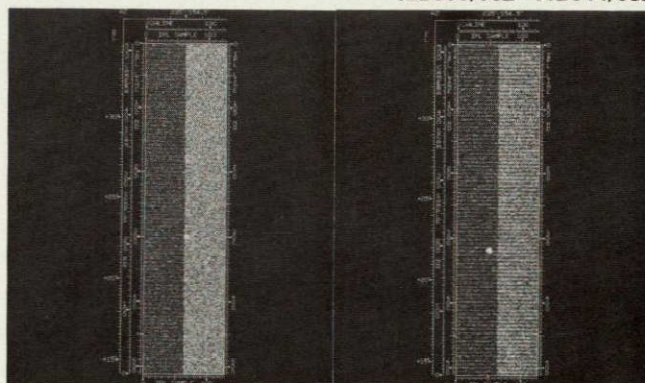
12B000/032 BB4 1/2

VL-1

12B000/032-11B014/032

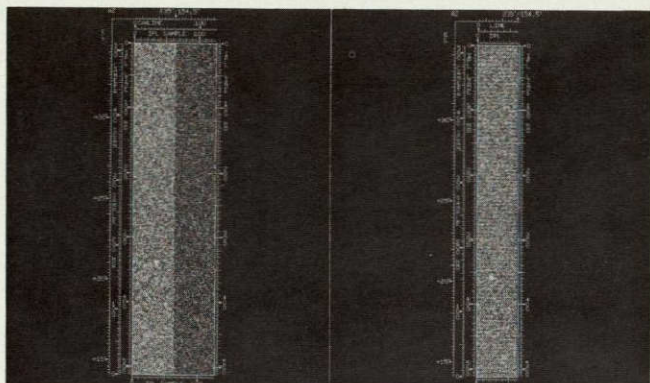


12B000/032 BB4 2/2



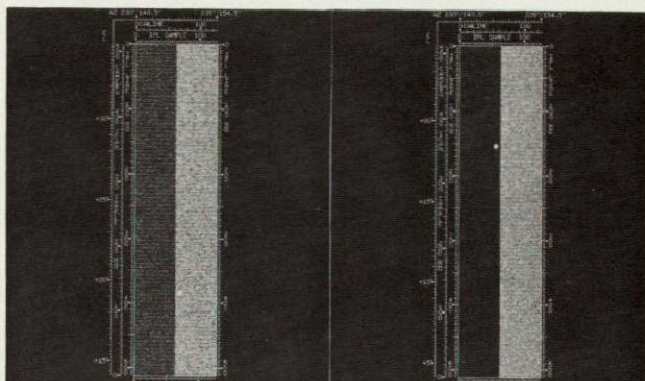
11B001/032 IR2

11B002/032 RED



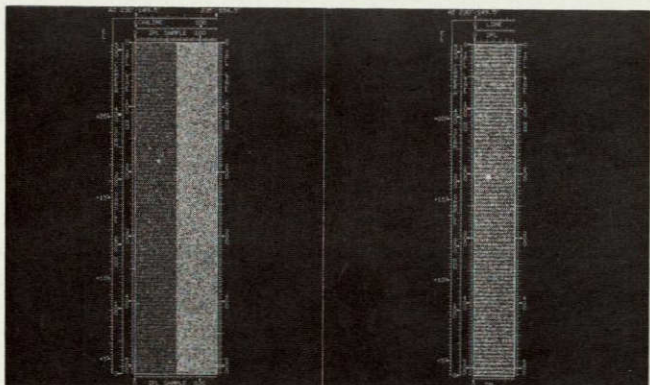
11B003/032 BLU

11B004/032 IR3



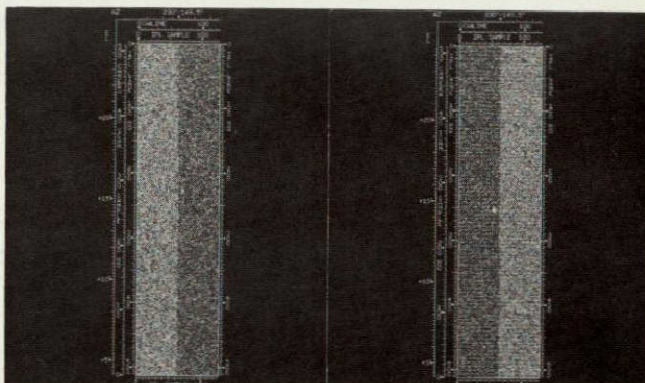
11B005/032 IR1

11B006/032 SURV



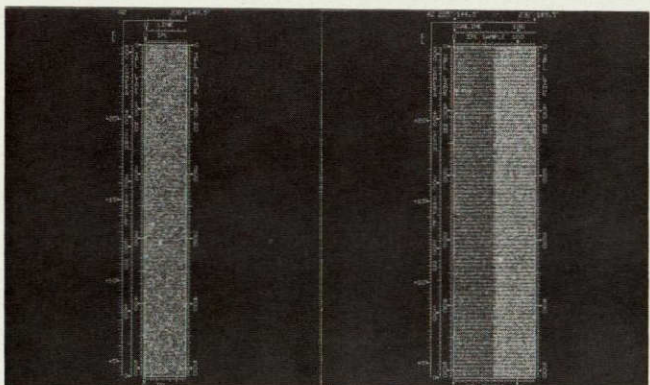
11B007/032 IR2

11B008/032 RED



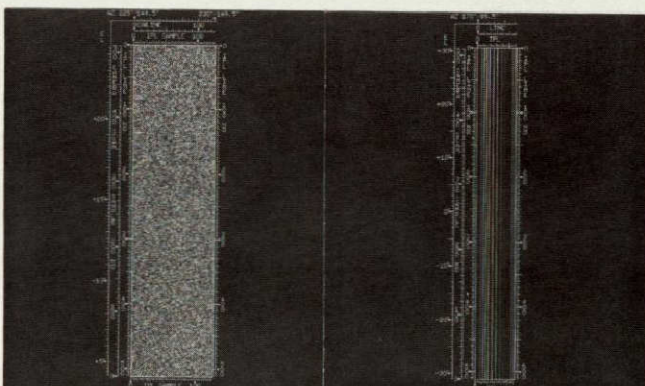
11B009/032 BLU

11B010/032 GRN



11B011/032 IR2

11B012/032 RED

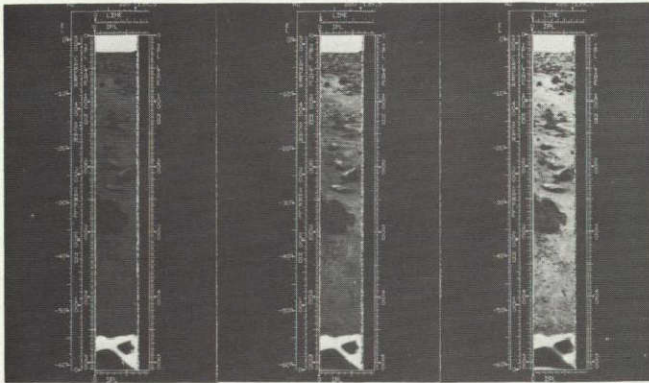


11B013/032 BLU

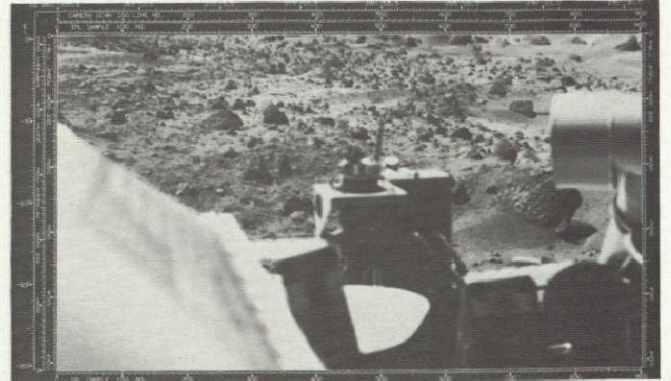
11B014/032 CAL

11B015/033-12B021/034

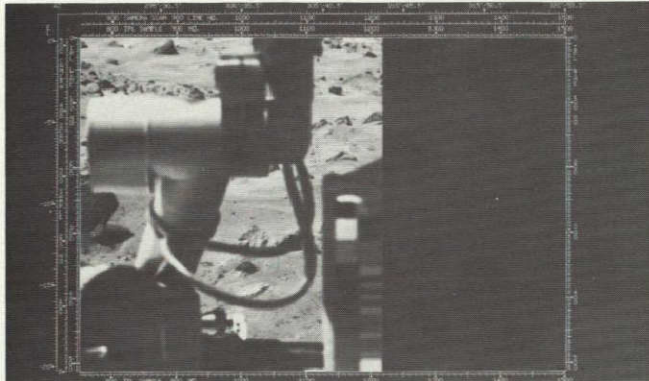
VL-1



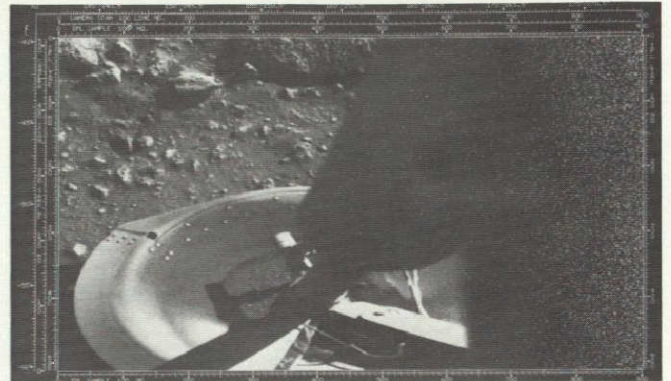
11B015/033 BLU/T 11B015/033 GRN/T 11B015/033 RED/T



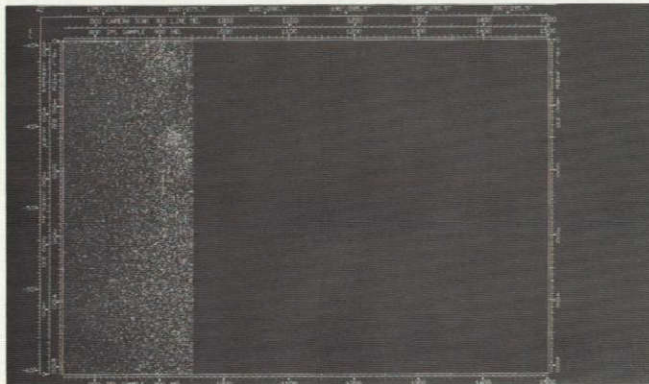
12B016/033 BB3 1/2



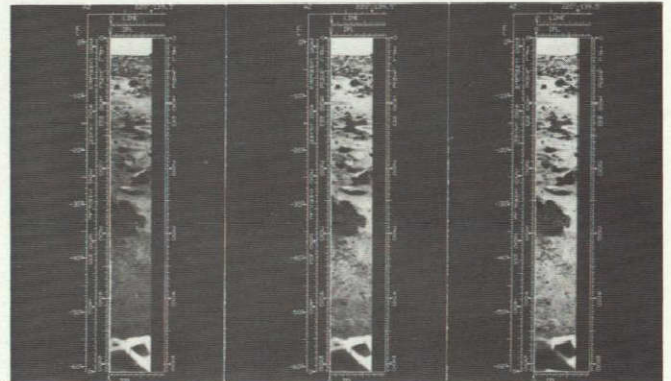
12B016/033 BB3 2/2



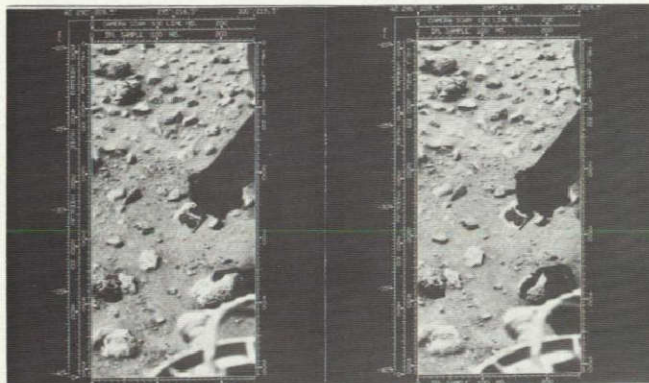
12B017/033 BB1 1/2



12B017/033 BB1 2/2

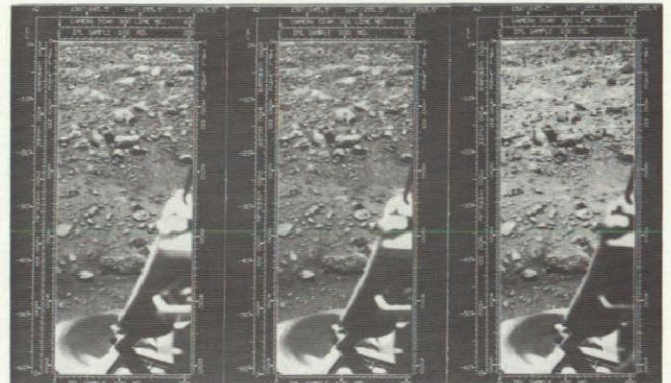


11B018/034 BLU/T 11B018/034 GRN/T 11B018/034 RED/T



11B019/034 BB2

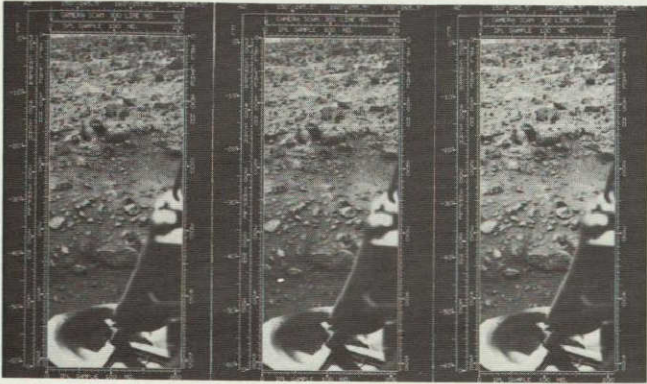
11B020/034 BB2



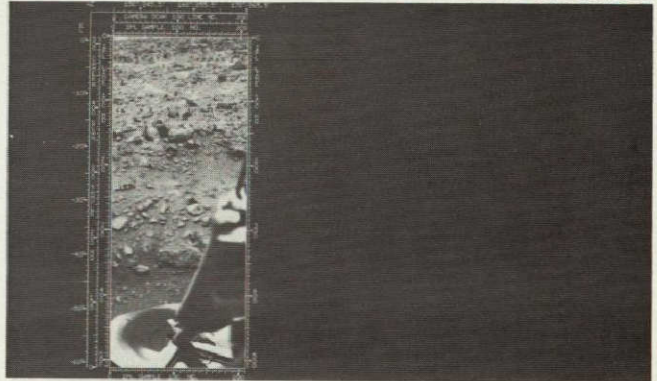
12B021/034 BLU/T 12B021/034 GRN/T 12B021/034 RED/T

VL-1

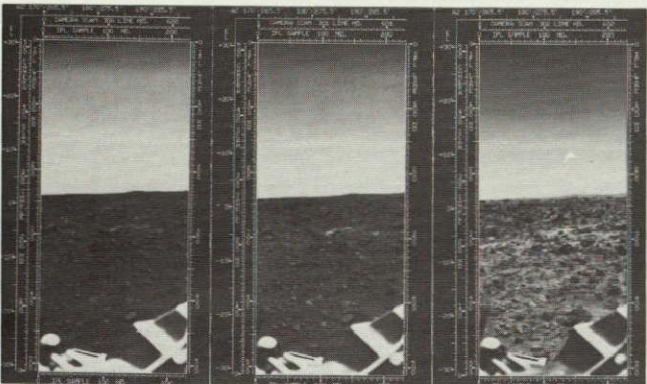
12B022/034-12B029/034



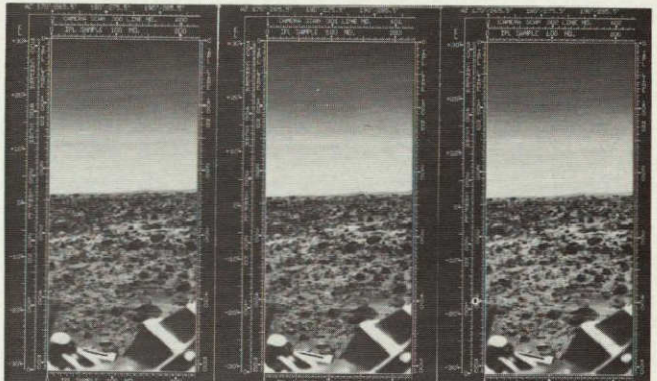
12B022/034 IR3/T 12B022/034 IR2/T 12B022/034 IR1/T



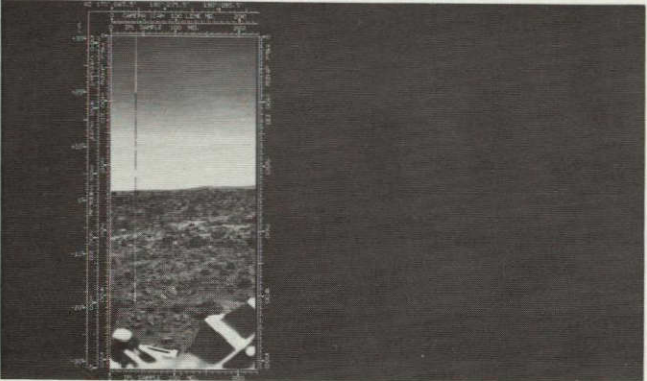
12B023/034 SURV



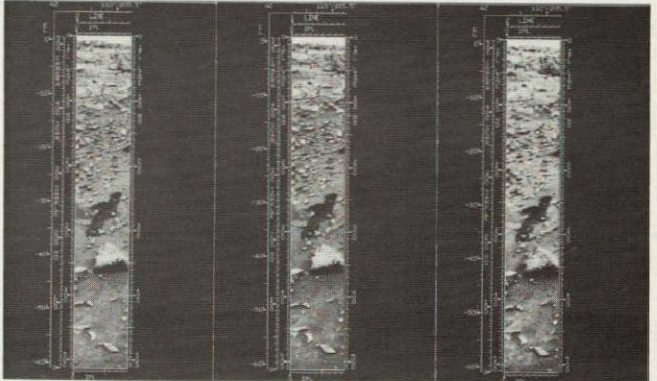
12B024/034 BLU/T 12B024/034 GRN/T 12B024/034 RED/T



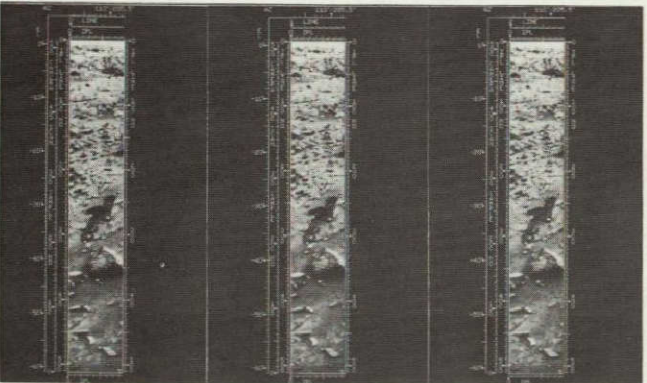
12B025/034 IR3/T 12B025/034 IR2/T 12B025/034 IR1/T



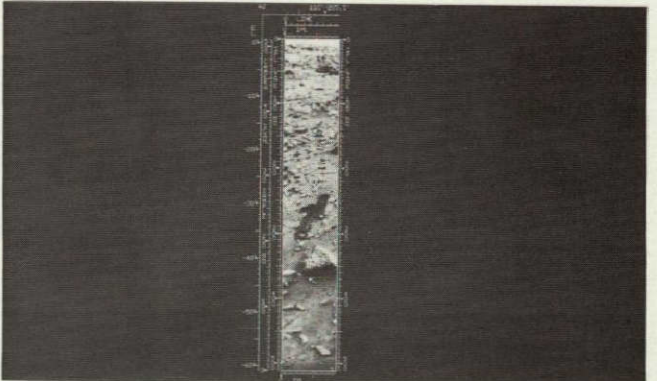
12B026/034 SURV



12B027/034 BLU/T 12B027/034 GRN/T 12B027/034 RED/T



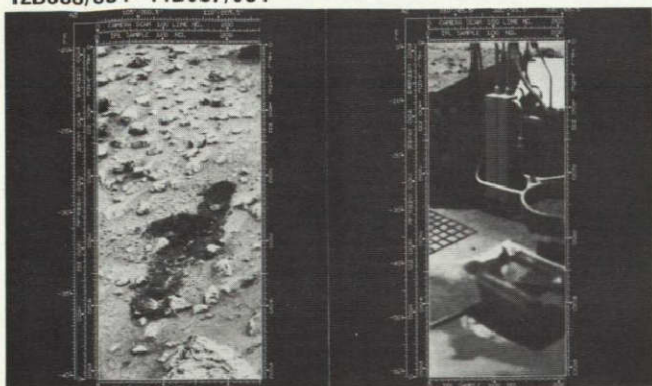
12B028/034 IR3/T 12B028/034 IR2/T 12B028/034 IR1/T



12B029/034 SURV

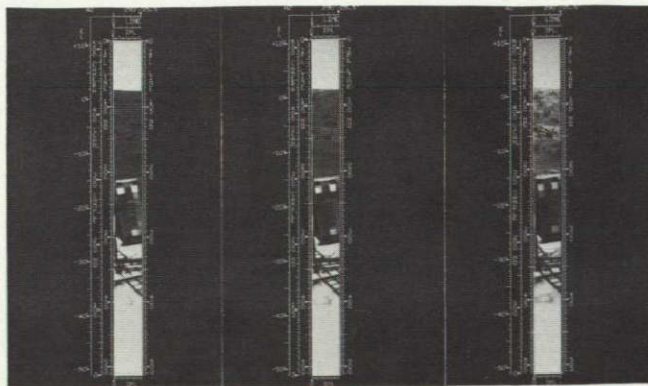
12B030/034-11B037/034

VL-1

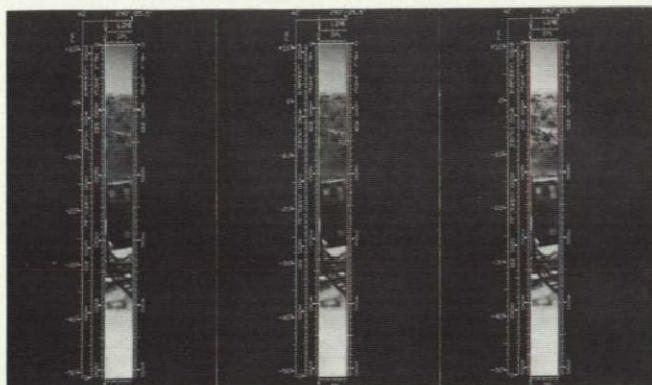


12B030/034 BB2

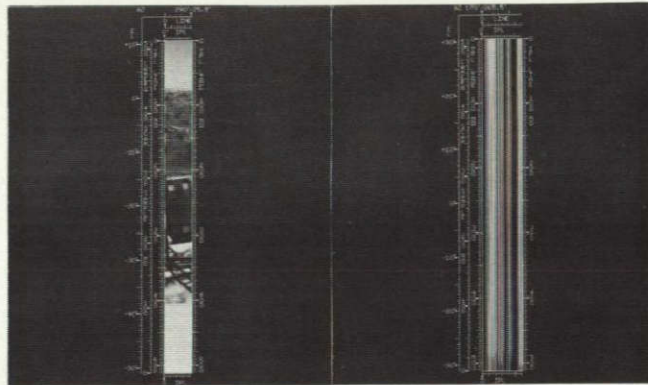
12B031/034 SURV



12B032/034 BLU/T 12B032/034 GRN/T 12B032/034 RED/T

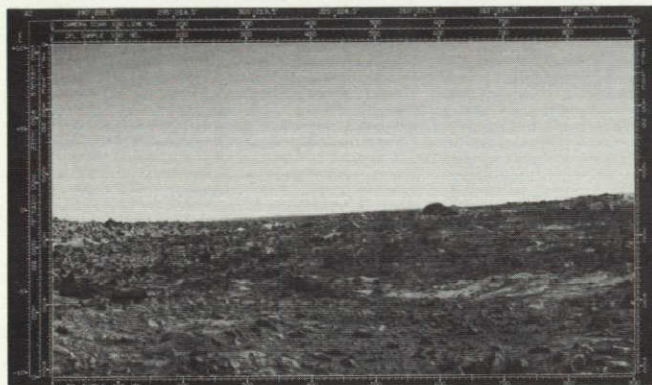


12B033/034 IR3/T 12B033/034 IR2/T 12B033/034 IR1/T

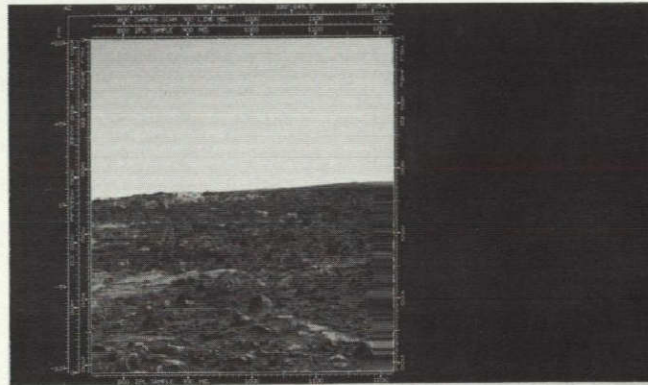


12B034/034 SURV

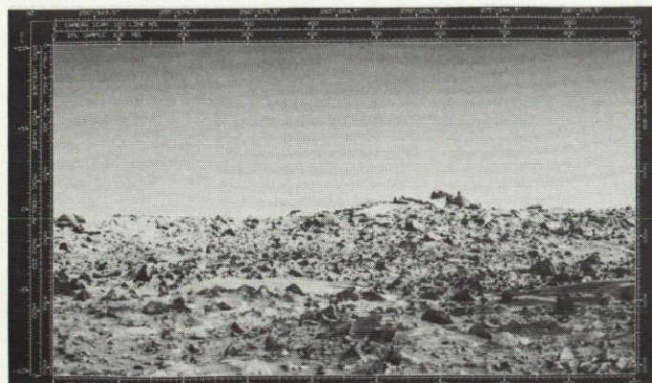
12B035/034 CAL



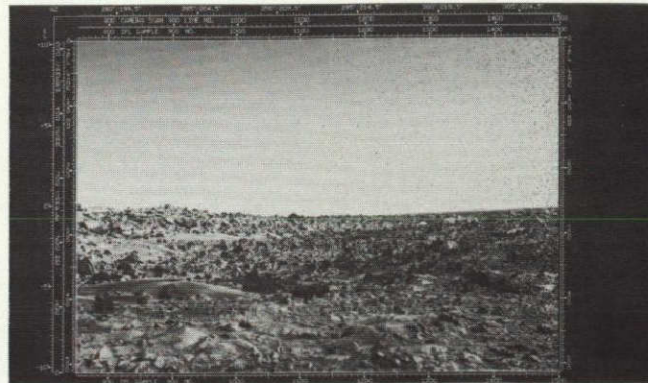
11B036/034 BB4 1/2



11B036/034 BB4 2/2



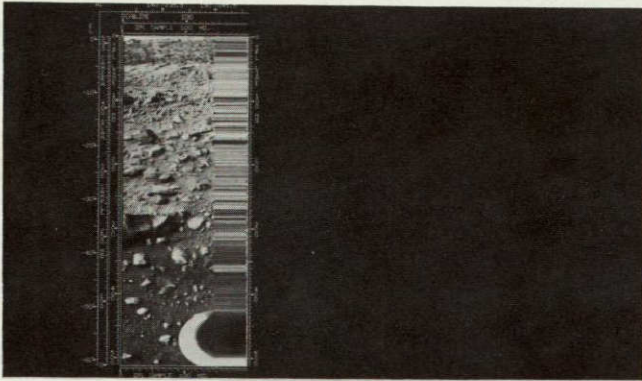
11B037/034 BB4 1/2



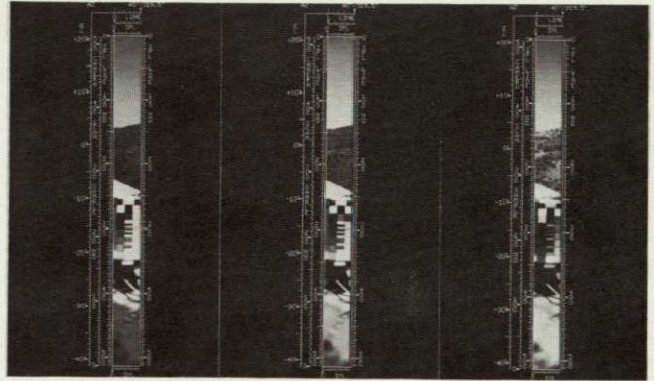
11B037/034 BB4 2/2

VL-1

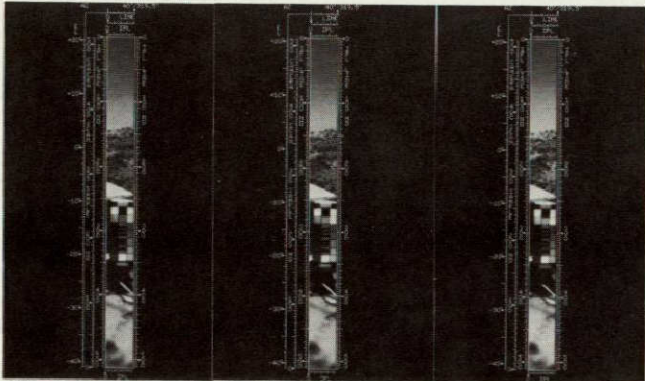
12B038/035-11B045/035



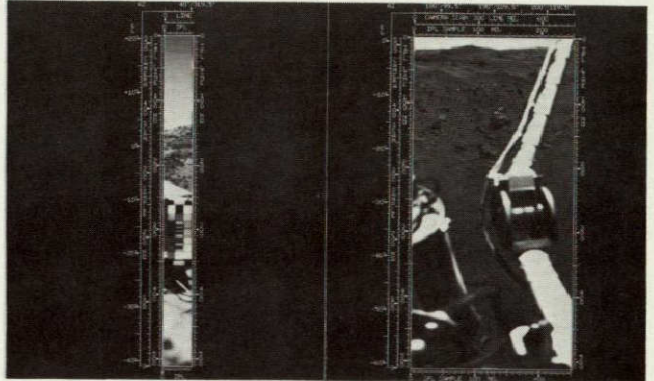
12B038/035 SURV



11B039/035 BLU/T 11B039/035 GRN/T 11B039/035 RED/T

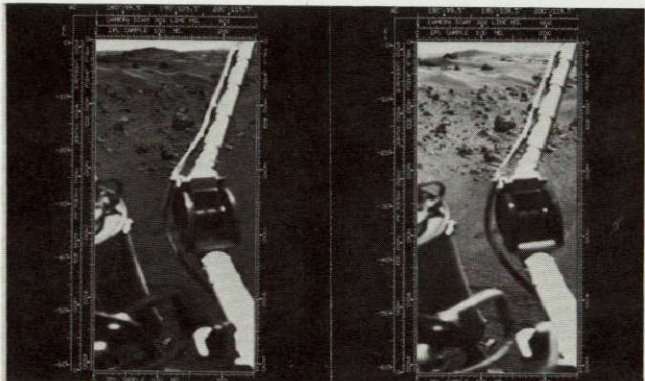


11B040/035 IR3/T 11B040/035 IR2/T 11B040/035 IR1/T



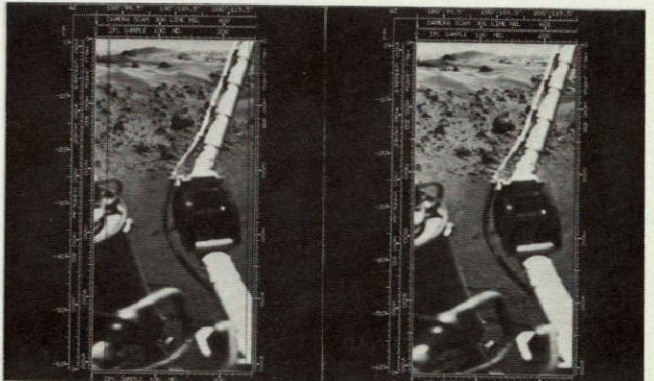
11B041/035 SURV

11B042/035 BLU/T



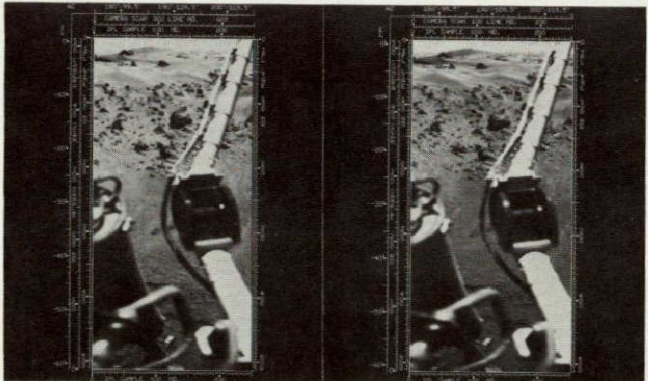
11B042/035 GRN/T

11B042/035 RED/T



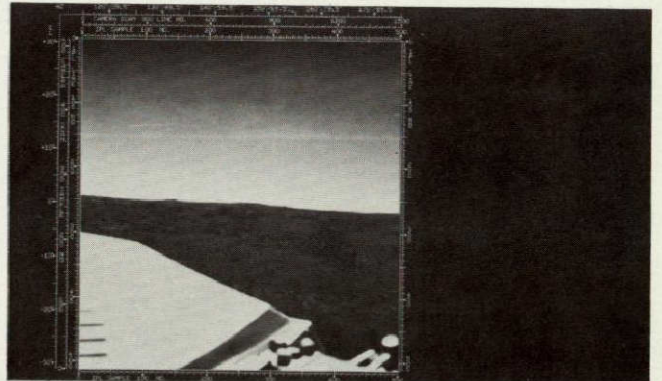
11B043/035 IR3/T

11B043/035 IR2/T



11B043/035 IR1/T

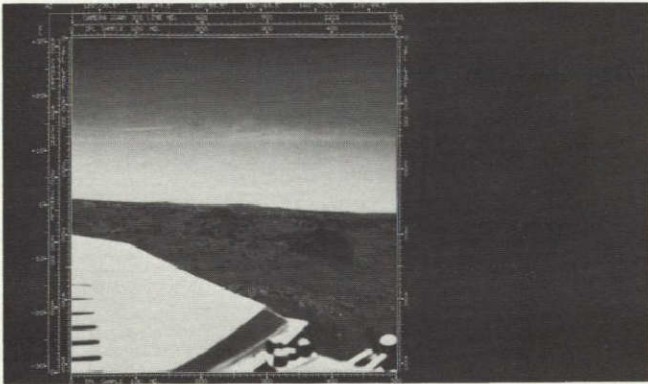
11B044/035 SURV



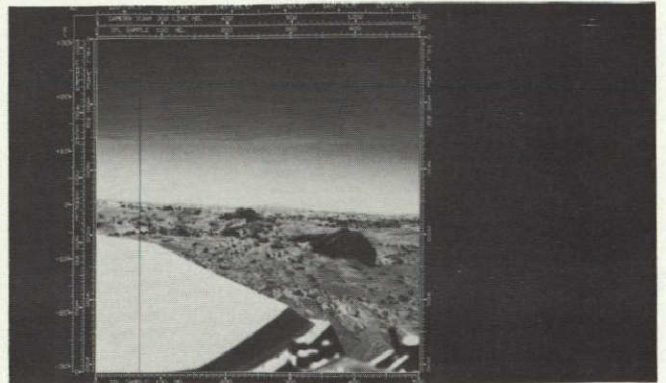
11B045/035 BLU/T

11B045/035-12B049/035

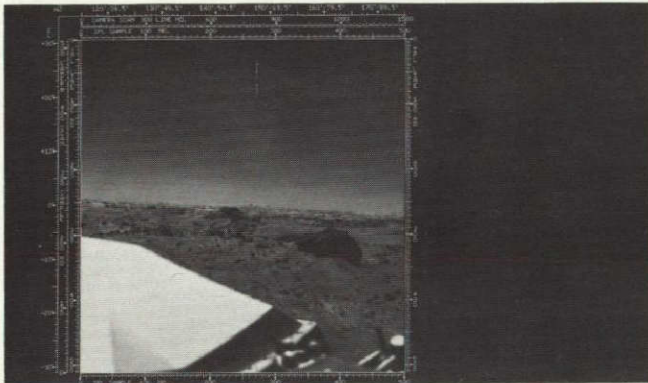
VL-1



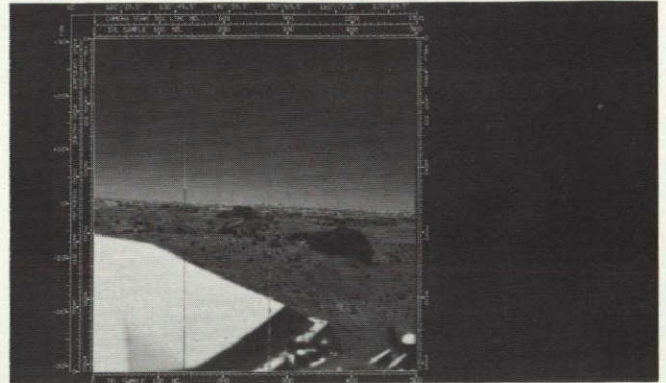
11B045/035 GRN/T



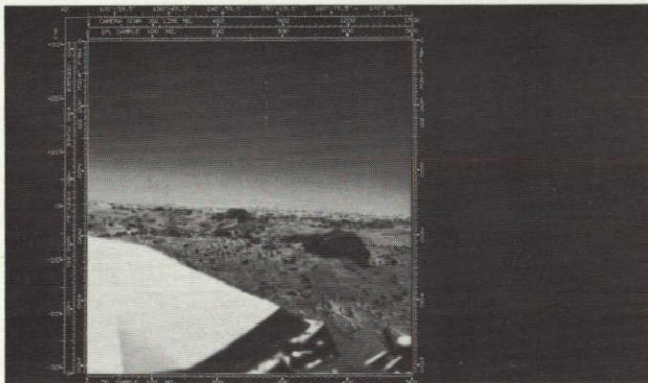
11B045/035 RED/T



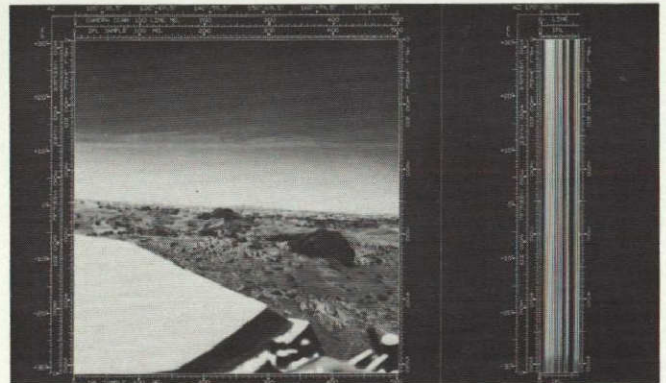
11B046/035 IR3/T



11B046/035 IR2/T



11B046/035 IR1/T



11B047/035 SURV

11B048/035 CAL



12B049/035 SURV 1/2



12B049/035 SURV 2/2

VL-1

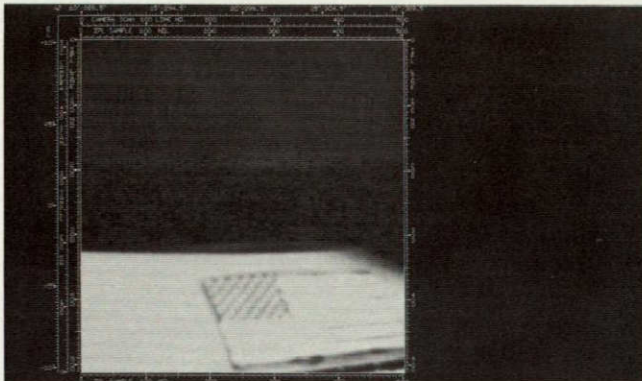
11B050/035-12B054/036



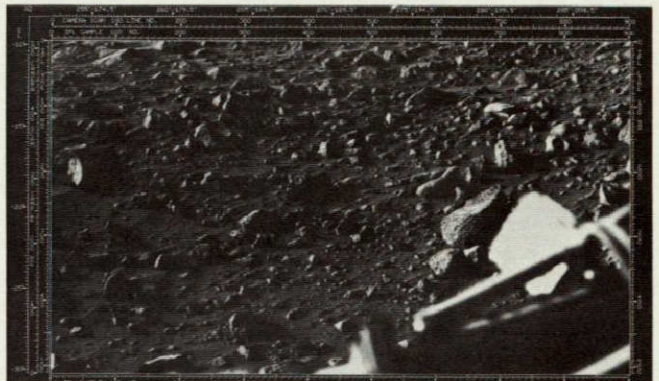
11B050/035 BB1 1/2



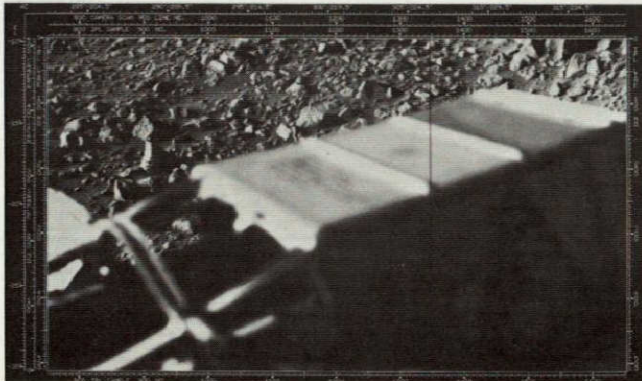
11B050/035 BB1 2/2



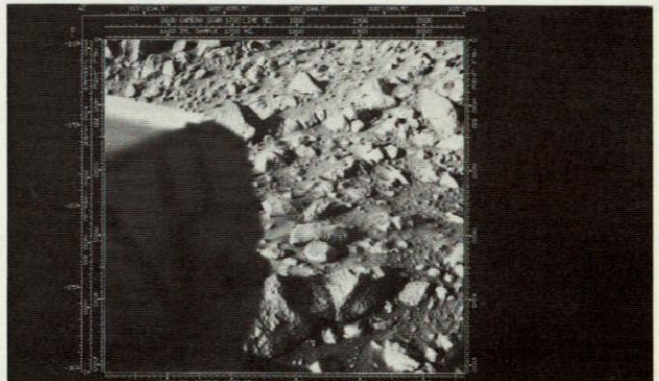
11B051/036 BB4



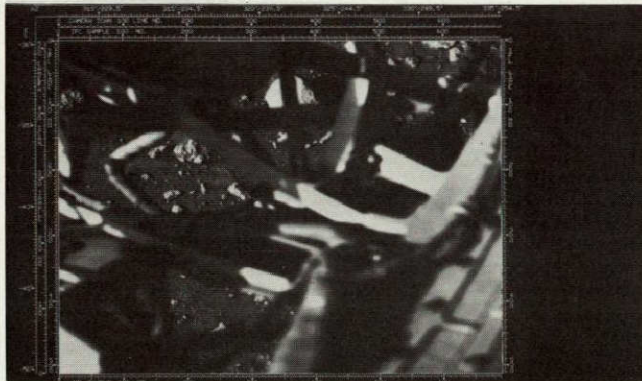
11B052/036 BB3 1/3



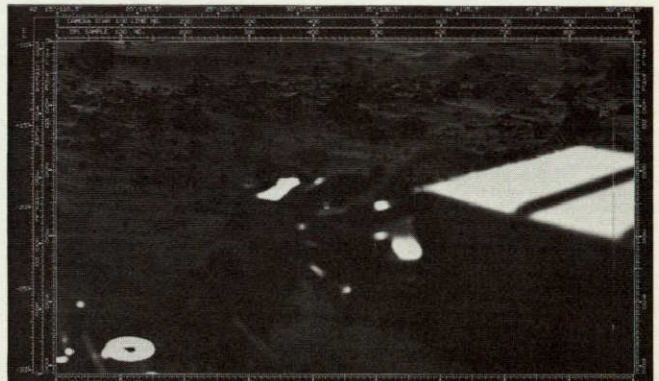
11B052/036 BB3 2/3



11B052/036 BB3 3/3



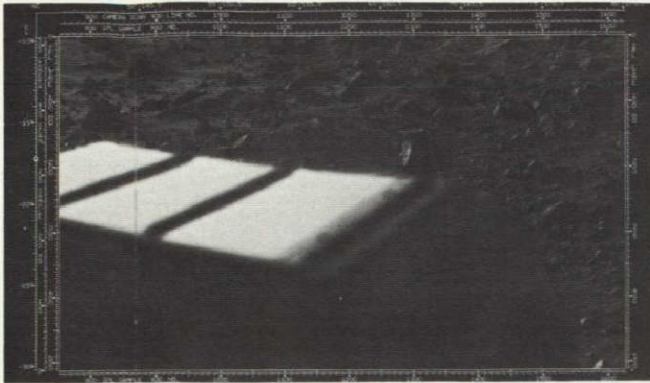
11B053/036 BB1



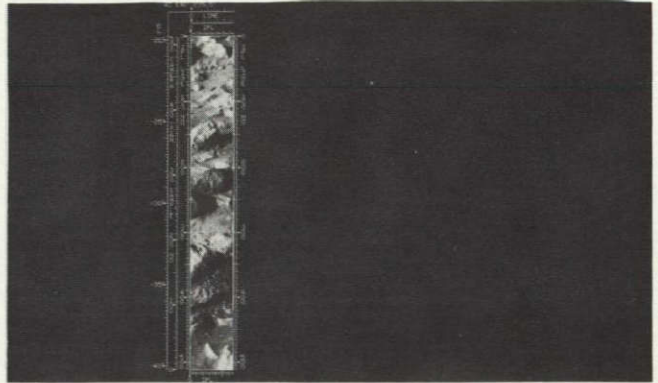
12B054/036 BB3 1/2

12B054/036-11B059/036

VL-1



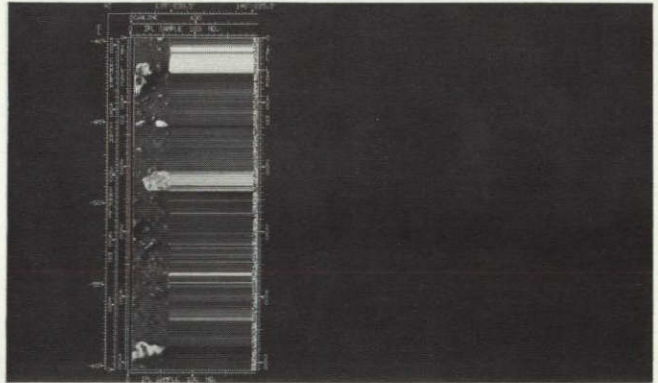
12B054/036 BB3 2/2



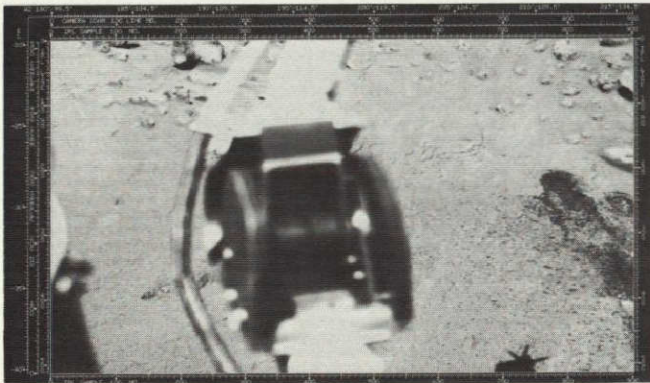
12B055/036 BB2



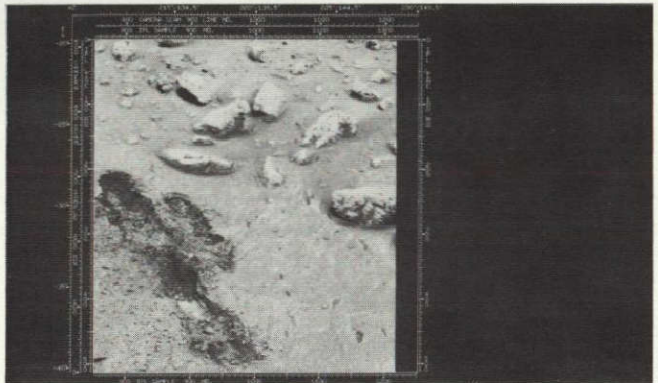
12B056/036 BB3



12B057/036 BB1



11B058/036 BB2 1/2



11B058/036 BB2 2/2



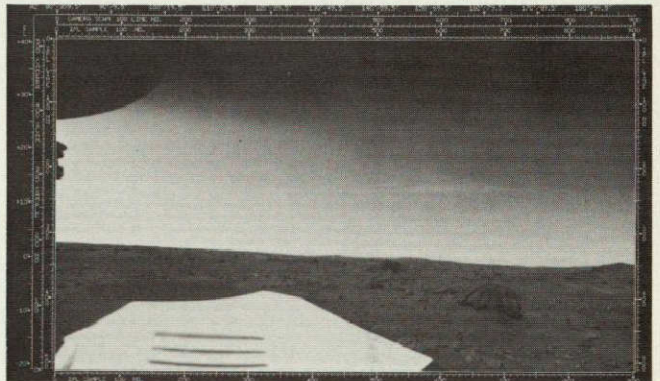
11B059/036 BB1 1/2



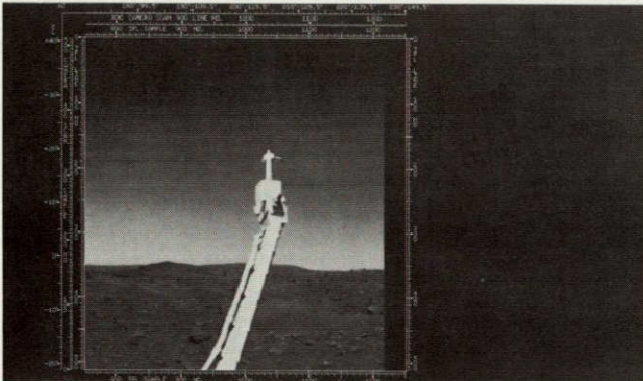
11B059/036 BB1 2/2



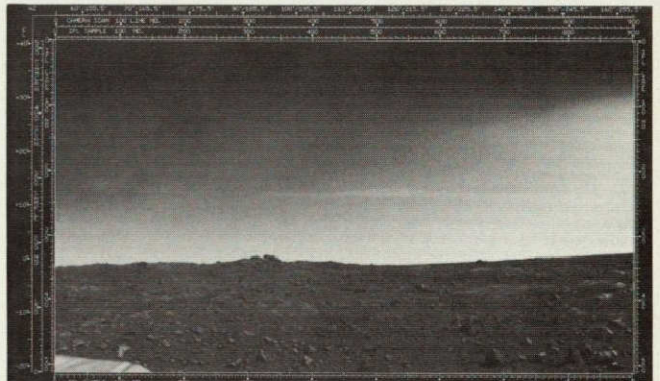
12B060/037 BB1



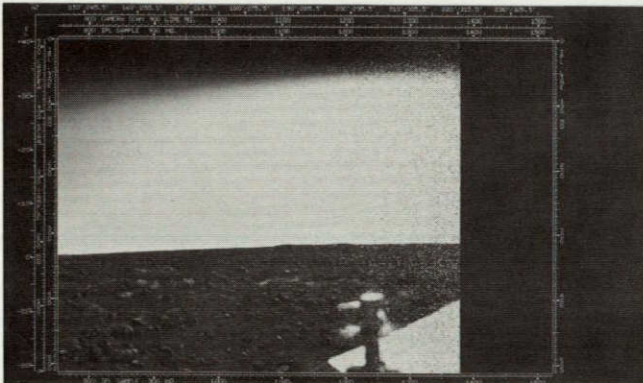
11B061/037 BLU 1/2



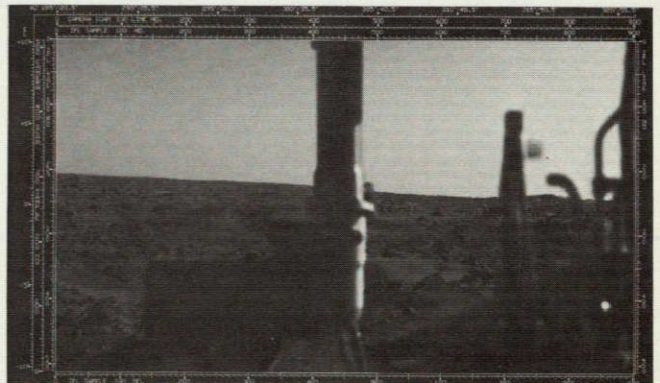
11B061/037 BLU 2/2



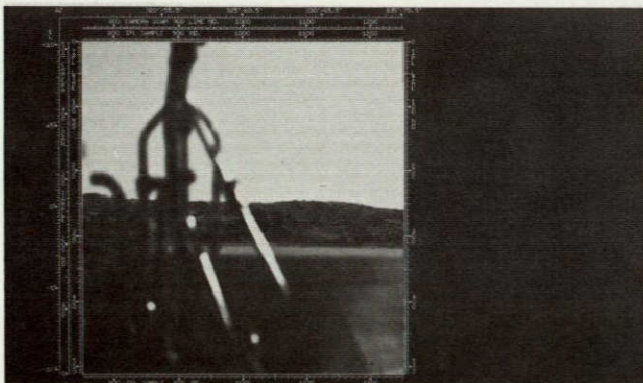
12B062/037 BLU 1/2



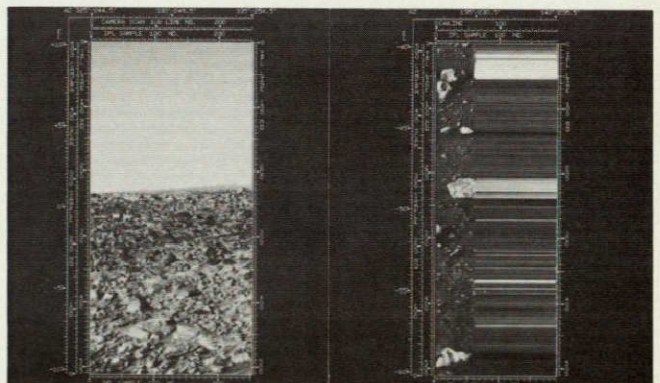
12B062/037 BLU 2/2



12B063/038 BB4 1/2



12B063/038 BB4 2/2

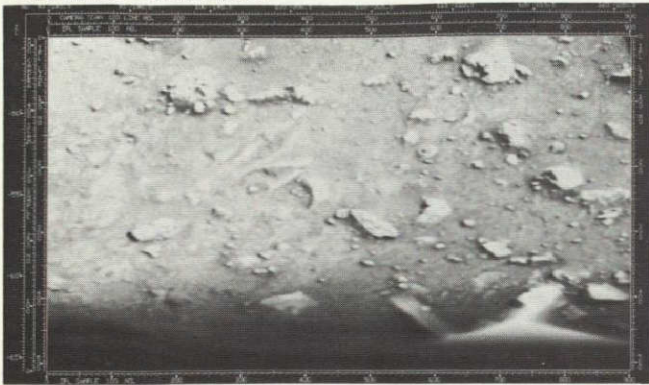


11B064/038 BB4

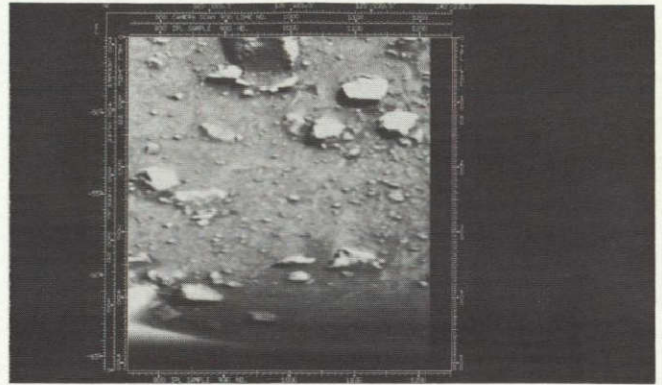
12B065/038 BB1

12B066/038-12B069/039

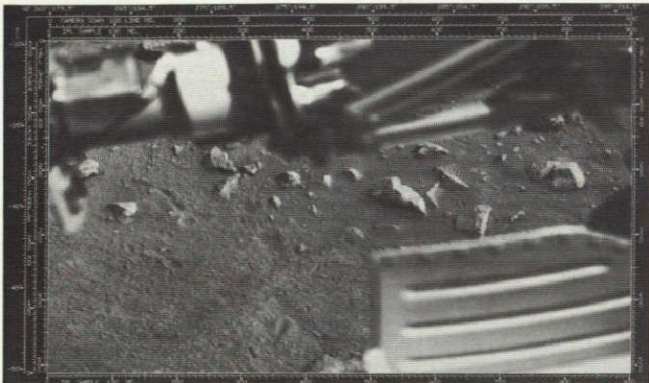
VL-1



12B066/038 SURV 1/2



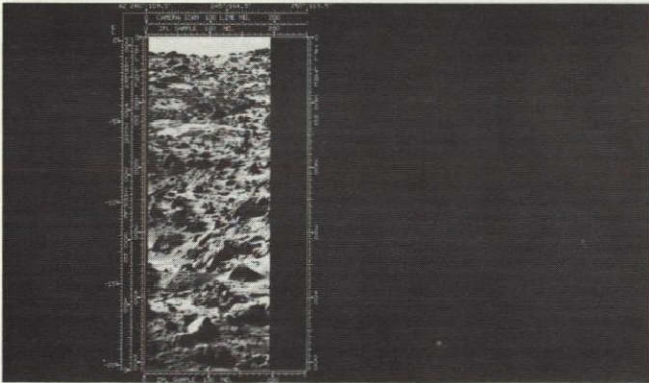
12B066/038 SURV 2/2



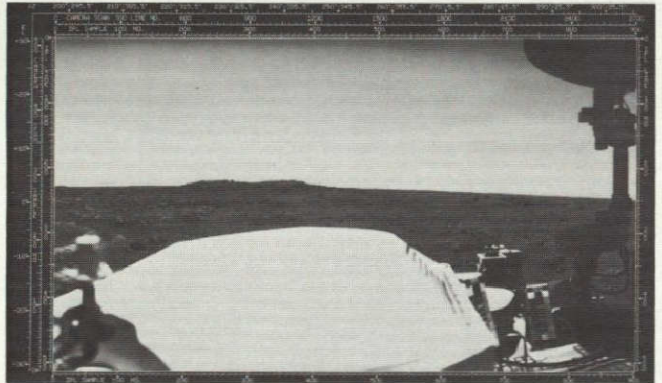
11B067/038 BB1 1/2



11B067/038 BB1 2/2



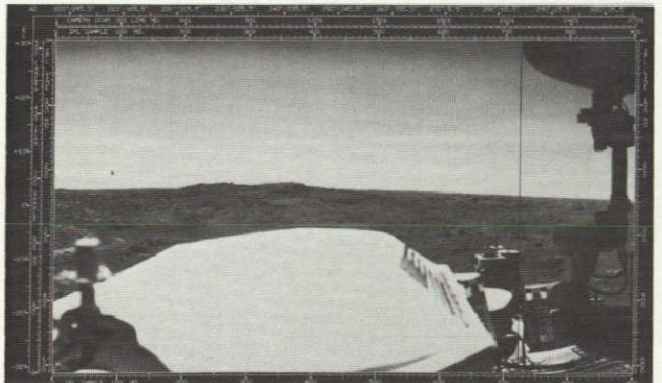
11B068/039 BB4



12B069/039 BLU/T 1/2



12B069/039 BLU/T 2/2



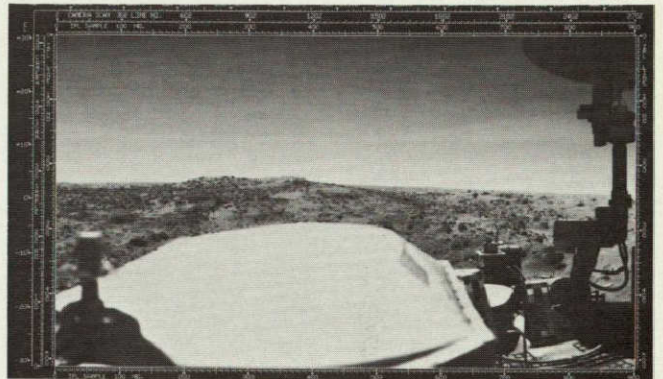
12B069/039 GRN/T 1/2

VL-1

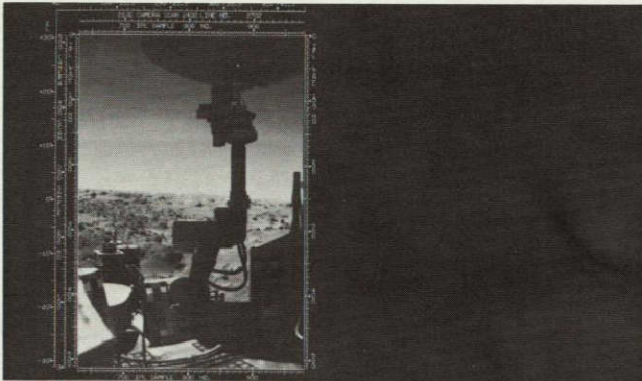
12B069/039-12B070/039



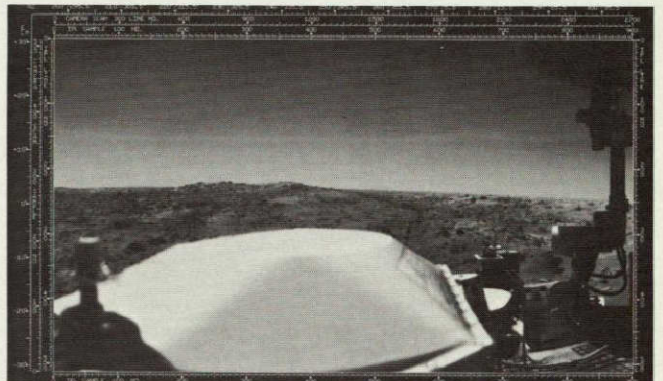
12B069/039 GRN/T 2/2



12B069/039 RED/T 1/2



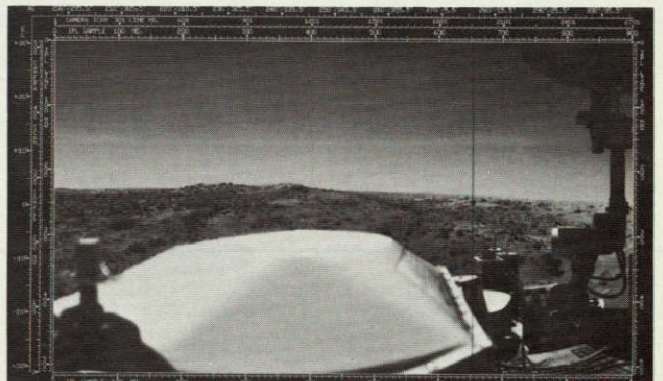
12B069/039 RED/T 2/2



12B070/039 IR3/T 1/2



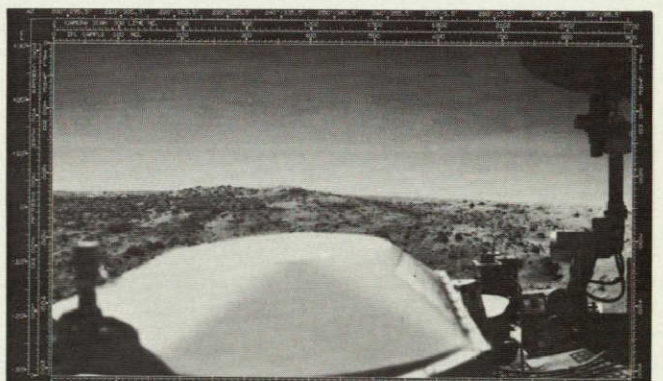
12B070/039 IR3/T 2/2



12B070/039 IR2/T 1/2



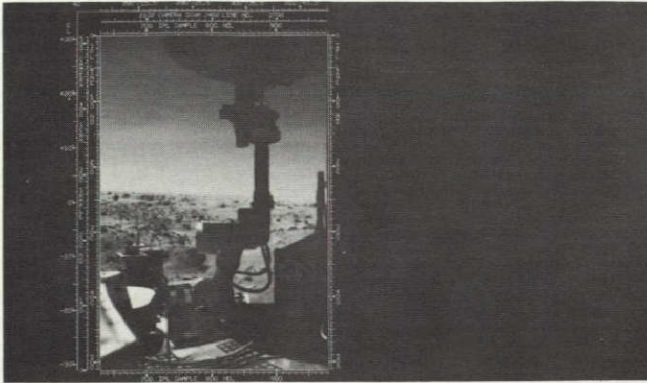
12B070/039 IR2/T 2/2



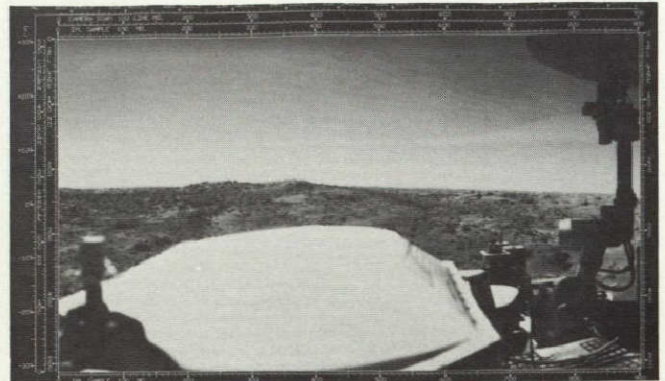
12B070/039 IR1/T 1/2

12B070/039-12B075/040

VL-1



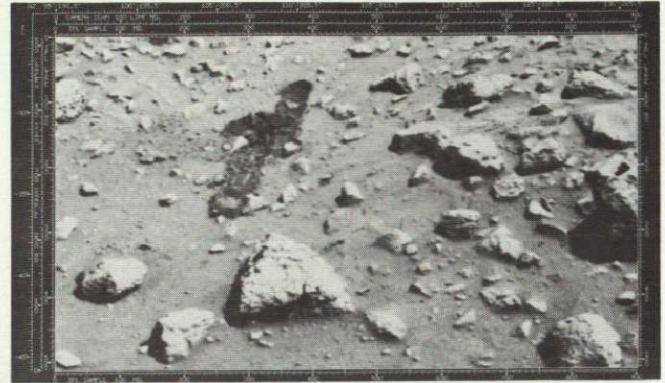
12B070/039 IR1/T 2/2



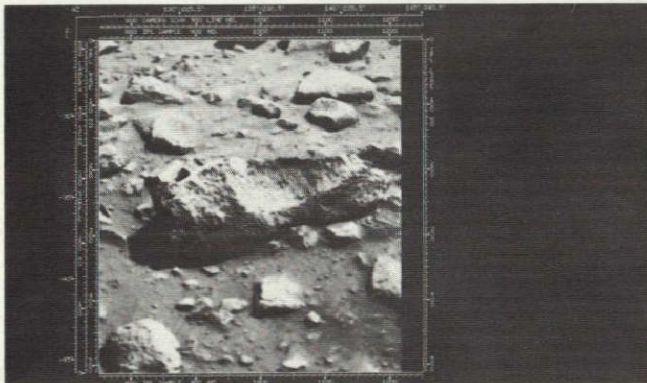
12B071/039 SURV 1/2



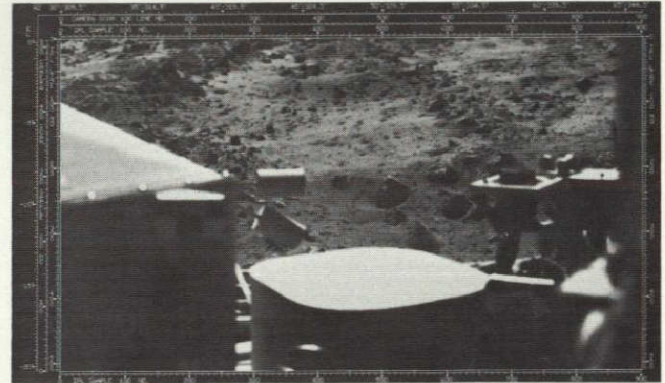
12B071/039 SURV 2/2



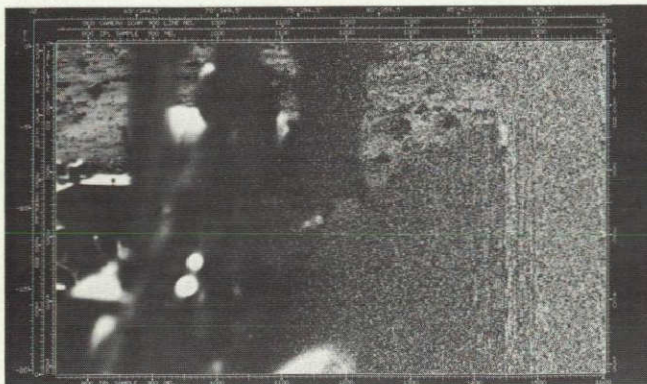
12B072/039 BLU 1/2



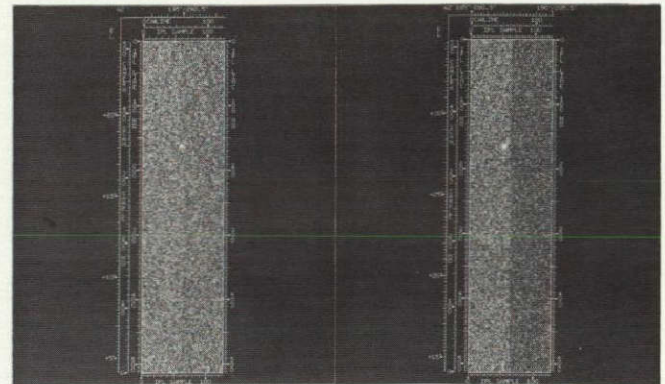
12B072/039 BLU 2/2



11B073/039 BB3 1/2

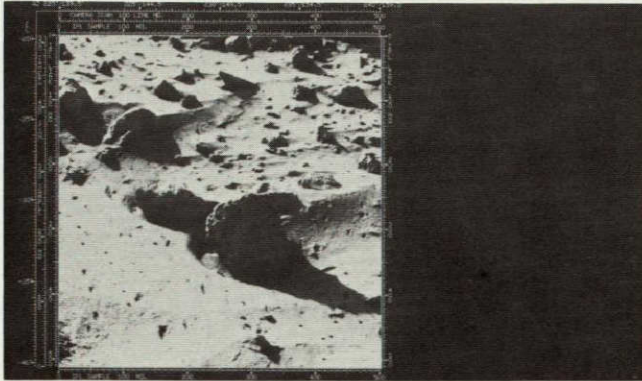


11B073/039 BB3 2/2

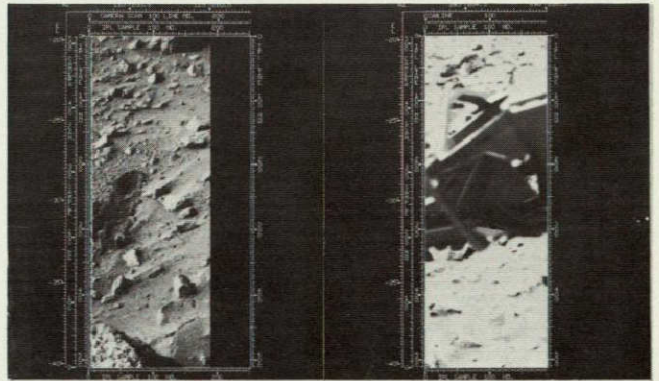


12B074/040 BLU

12B075/040 BLU

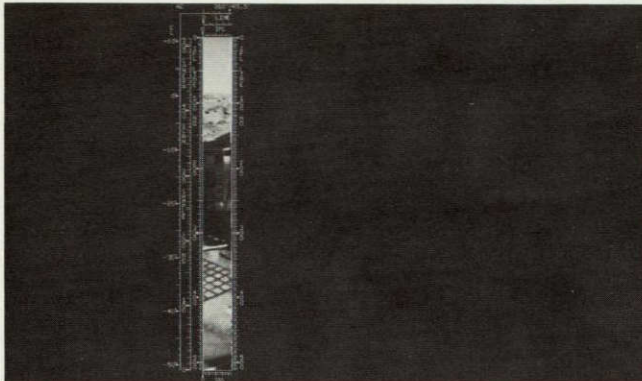


11B076/040 BB2

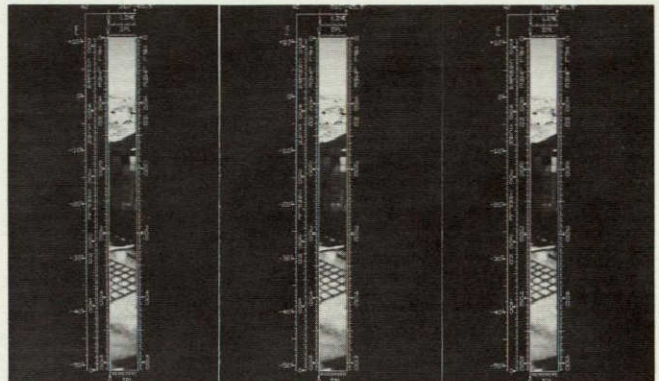


12B077/040 BB2

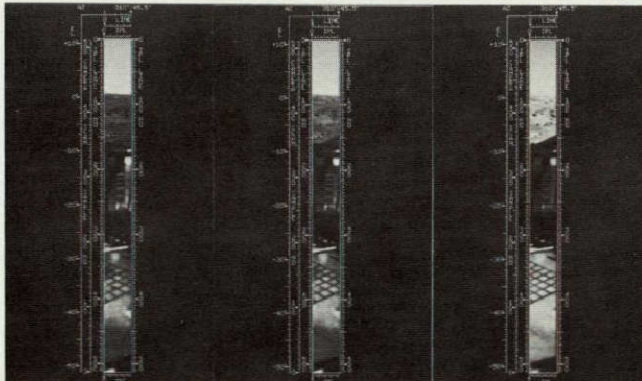
11B078/040 BB1



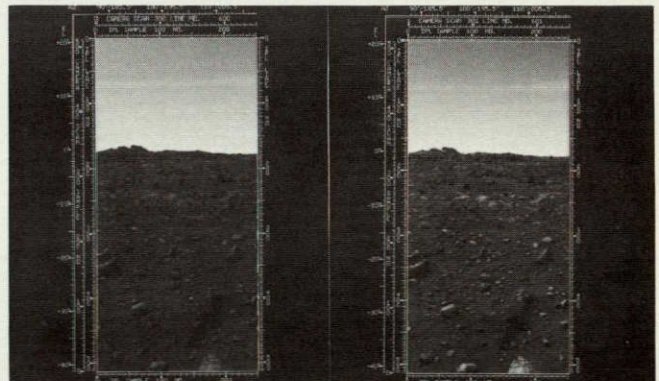
12B079/040 SURV



12B080/040 IR3/T 12B080/040 IR2/T 12B080/040 IR1/T

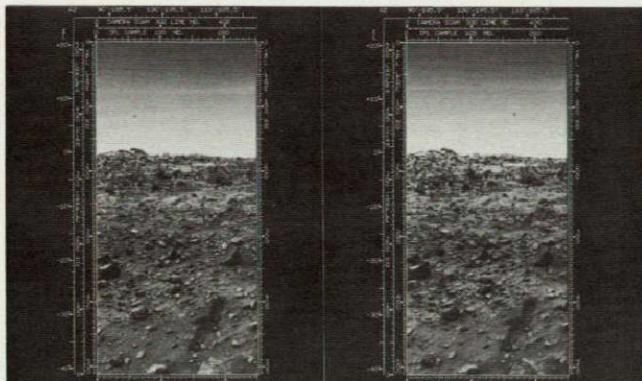


12B081/040 BLU/T 12B081/040 GRN/T 12B081/040 RED/T



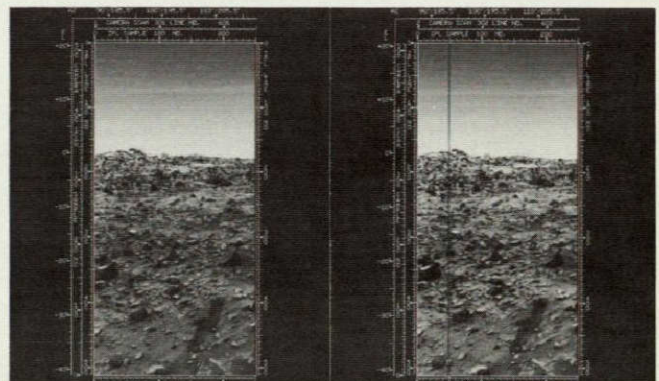
12B082/040 BLU/T

12B082/040 GRN/T



12B082/040 RED/T

12B083/040 IR3/T

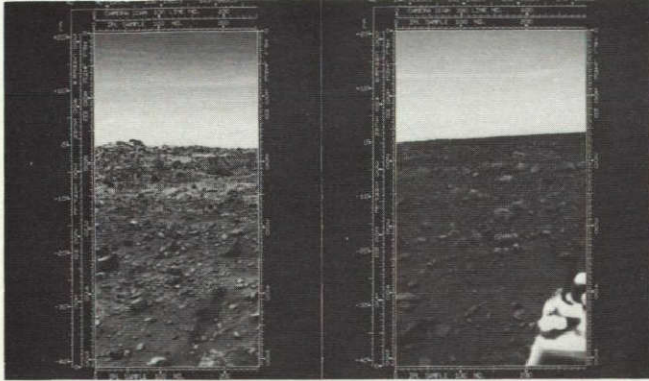


12B083/040 IR2/T

12B083/040 IR1/T

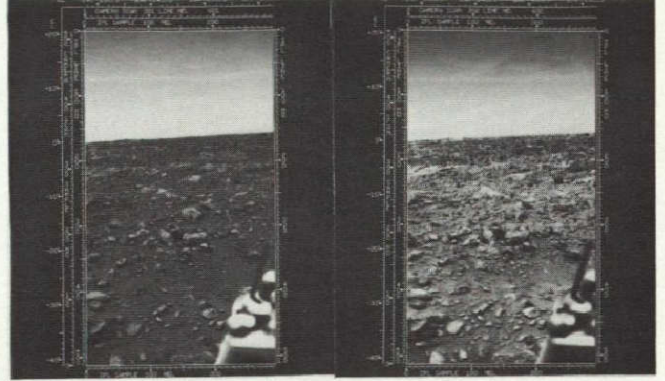
12B084/040-11B090/040

VL-1



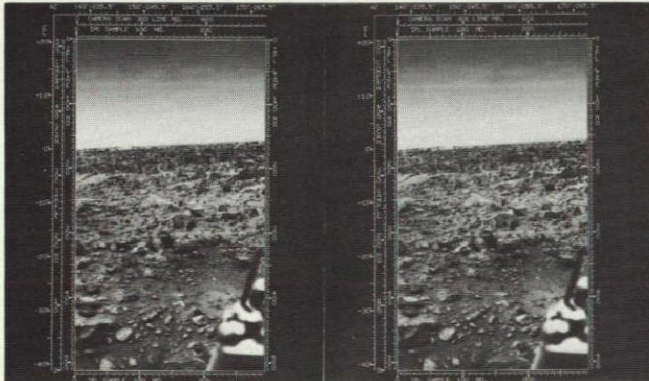
12B084/040 SURV

12B085/040 BLU/T



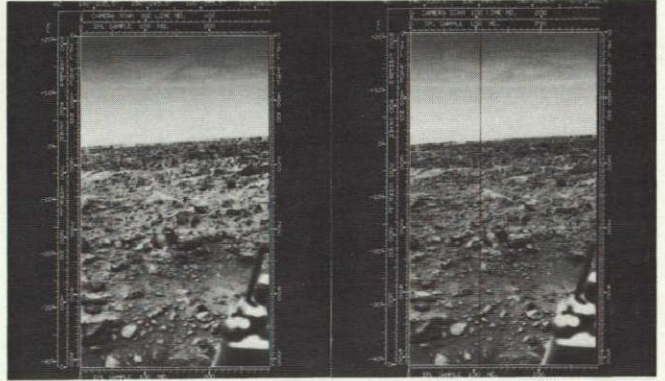
12B085/040 GRN/T

12B085/040 RED/T



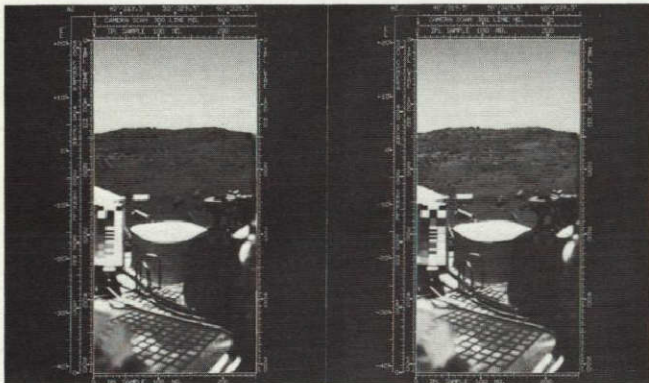
12B086/040 IR3/T

12B086/040 IR2/T



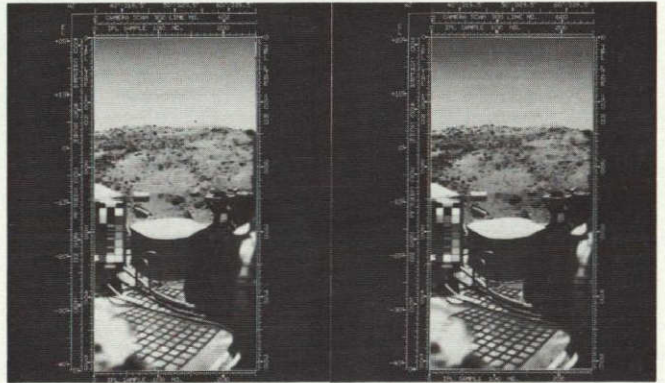
12B086/040 IR1/T

12B087/040 SURV



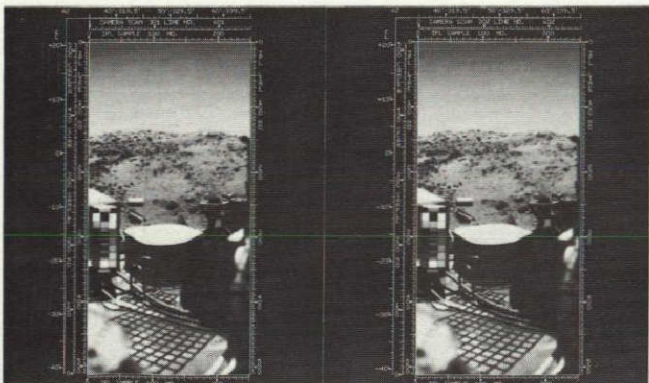
11B088/040 BLU/T

11B088/040 GRN/T



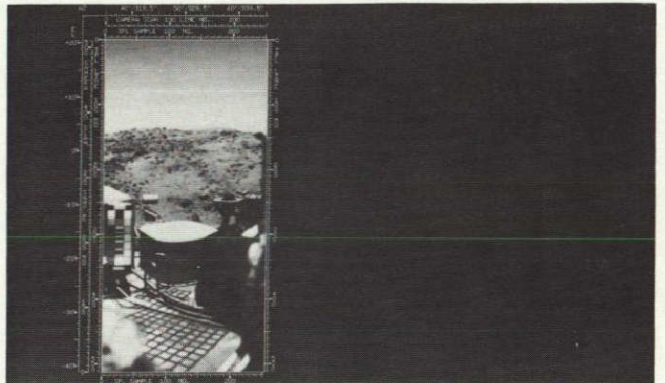
11B088/040 RED/T

11B089/040 IR3/T



11B089/040 IR2/T

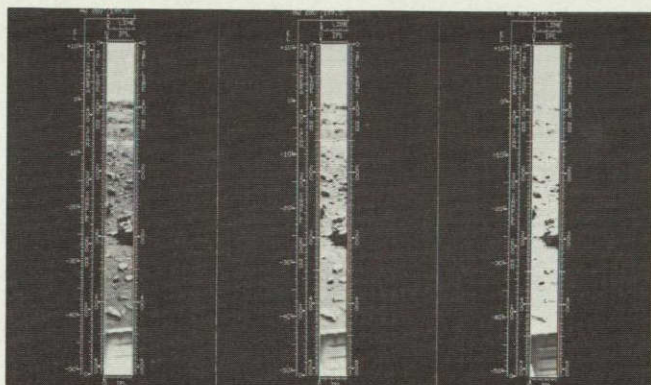
11B089/040 IR1/T



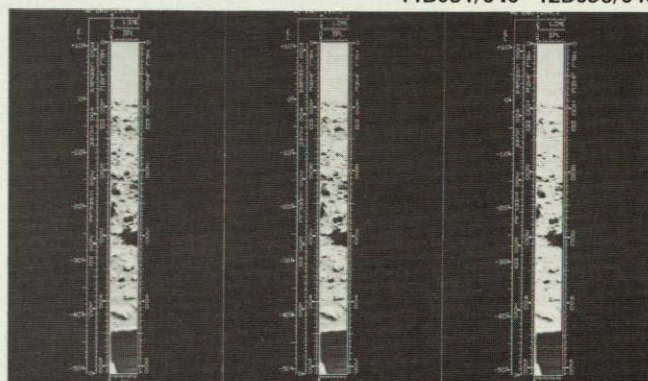
11B090/040 SURV

VL-1

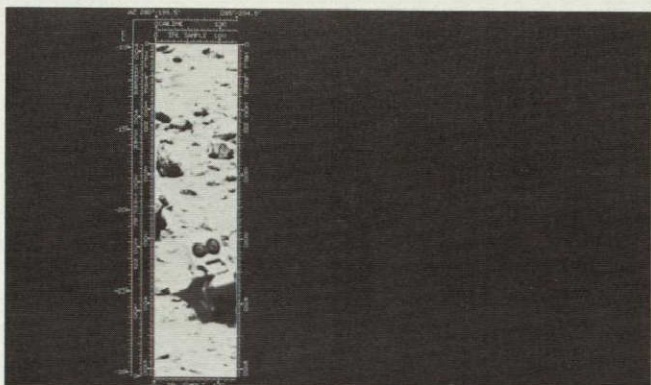
11B091/040-12B096/040



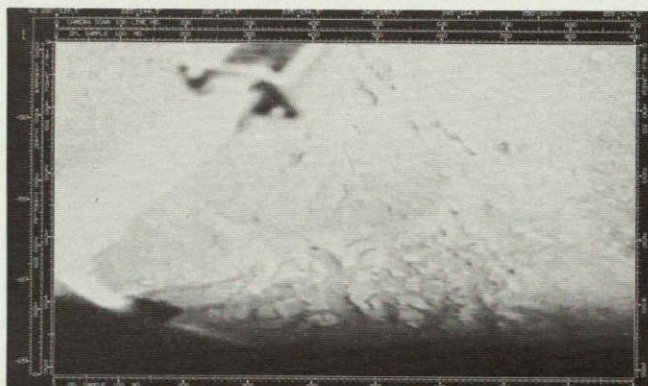
11B091/040 BLU/T 11B091/040 GRN/T 11B091/040 RED/T



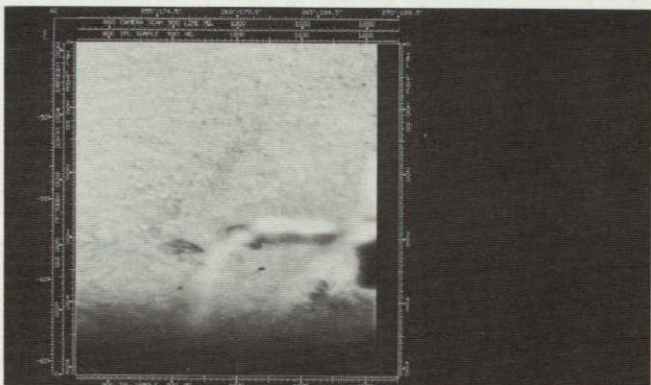
11B092/040 IR3/T 11B092/040 IR2/T 11B092/040 IR1/T



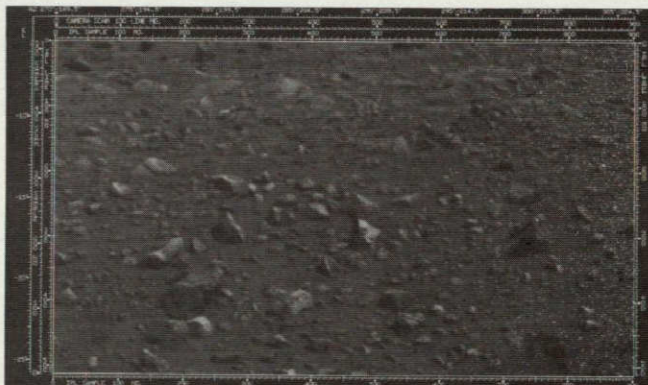
11B093/040 BB2



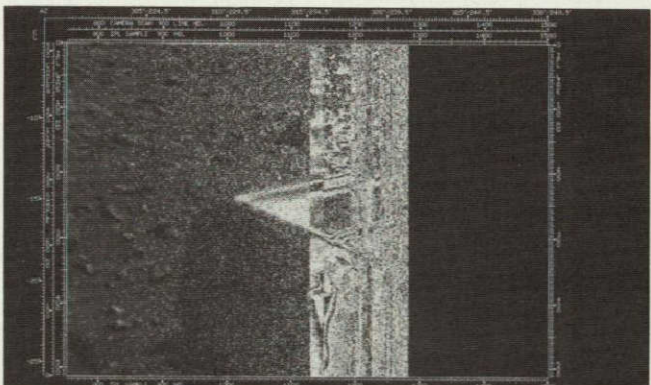
11B094/040 SURV 1/2



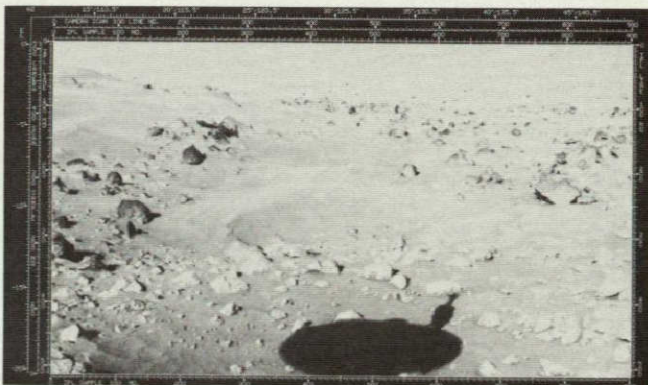
11B094/040 SURV 2/2



11B095/040 BLU 1/2



11B095/040 BLU 2/2



12B096/040 BB3 1/3

12B096/040—11B098/040

VL-1



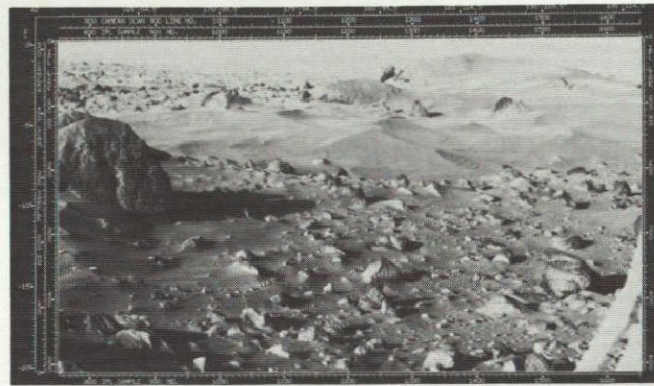
12B096/040 BB3 2/3



12B096/040 BB3 3/3



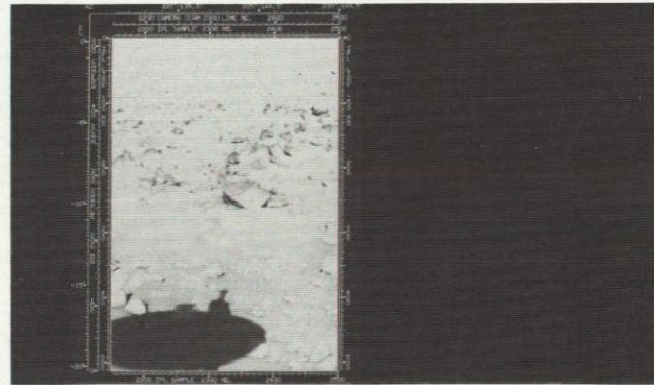
11B097/040 BB3 1/4



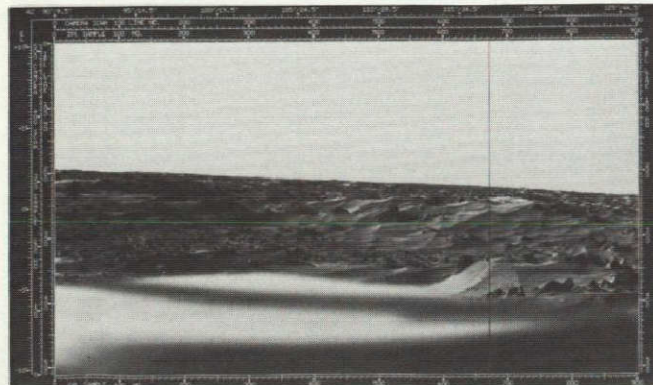
11B097/040 BB3 2/4



11B097/040 BB3 3/4



11B097/040 BB3 4/4



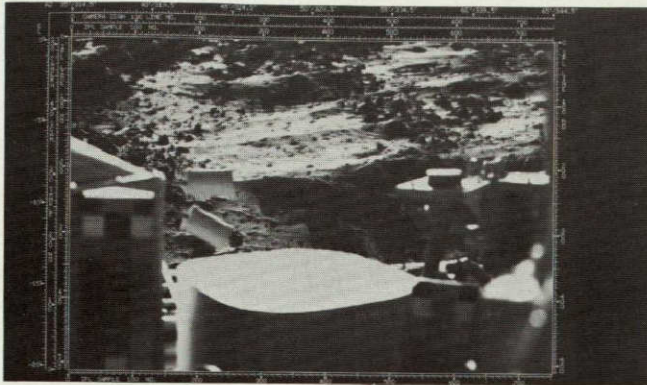
11B098/040 BB4 1/2



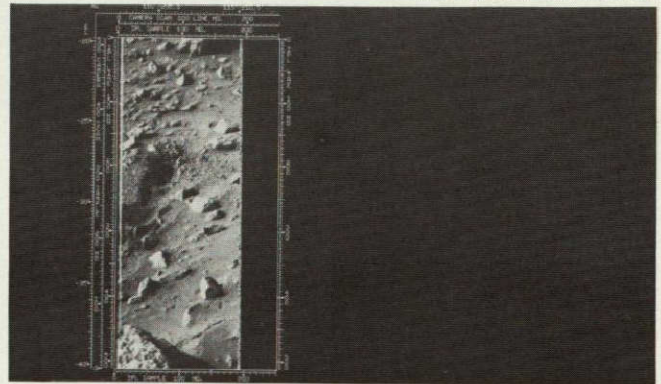
11B098/040 BB4 2/2

VL-1

11B099/040-12B105/041



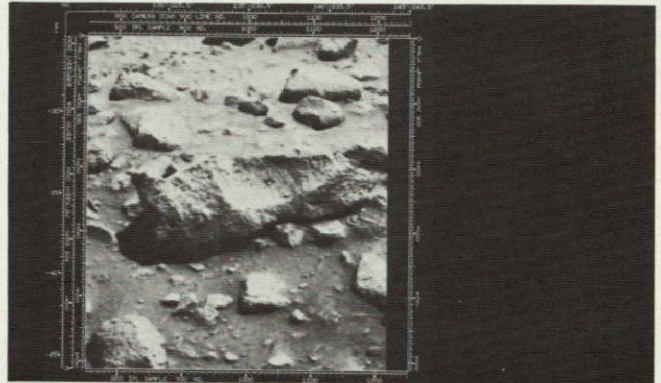
11B099/040 BB3



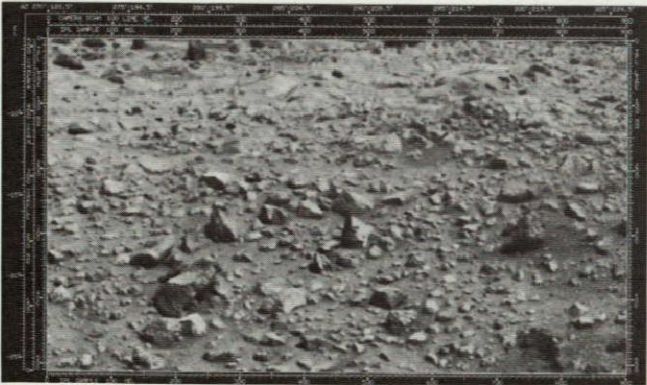
12B100/041 BB2



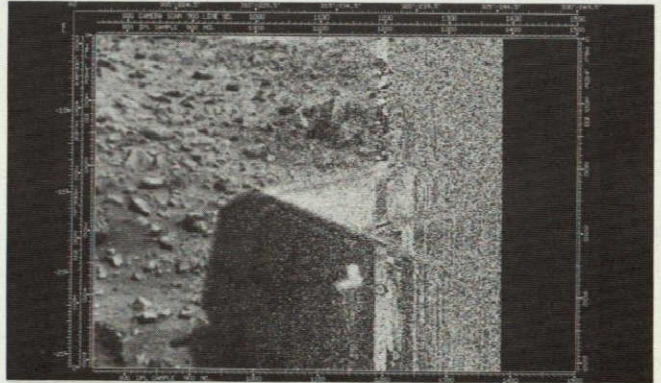
12B101/041 RED 1/2



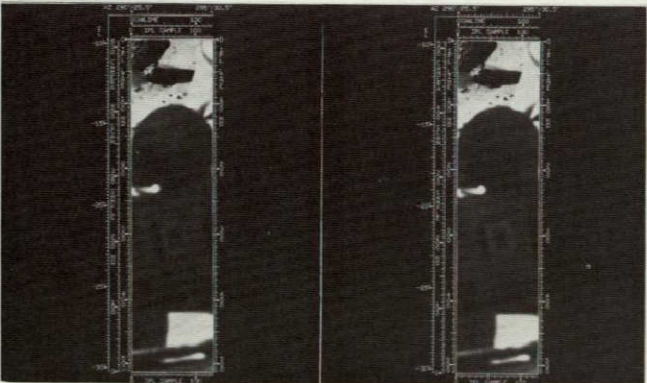
12B101/041 RED 2/2



11B102/041 RED 1/2

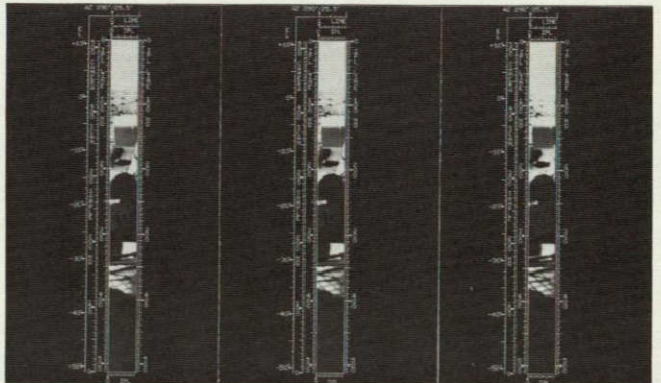


11B102/041 RED 2/2



12B103/041 BB3

12B104/041 BB3



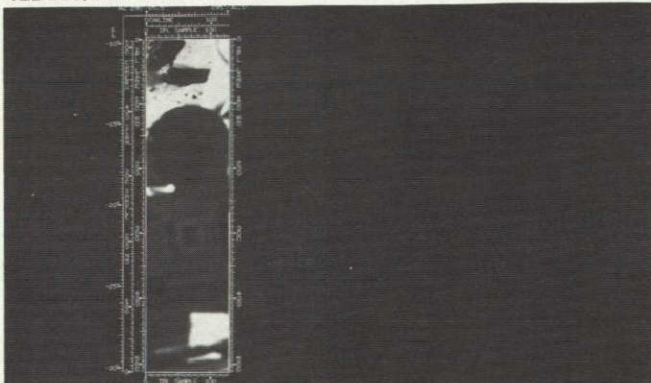
12B105/041 BLU/T

12B105/041 GRN/T

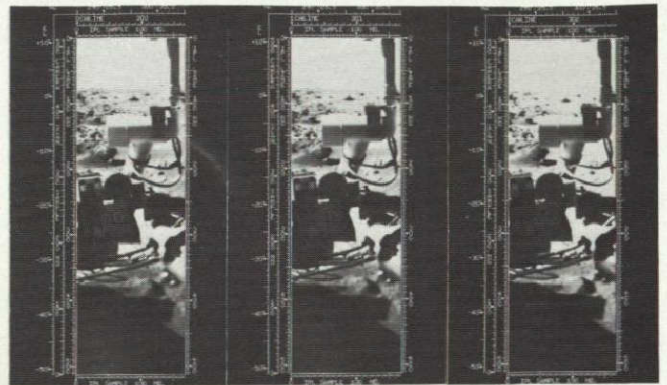
12B105/041 RED/T

12B106/041-12B111/041

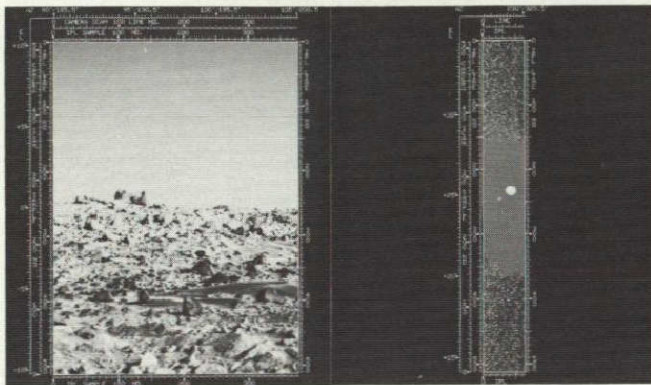
VL-1



12B106/041 BB3

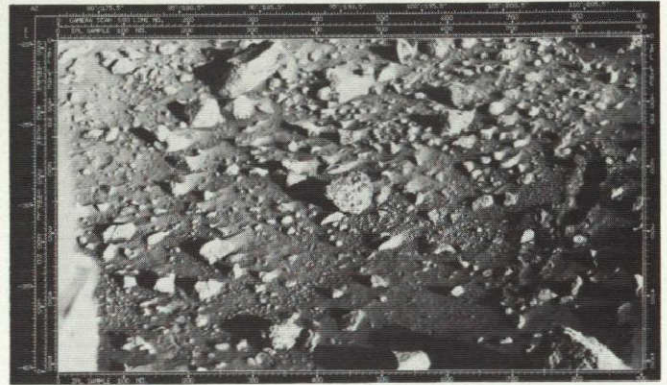


12B107/041 BLU/T 12B107/041 GRN/T 12B107/041 RED/T

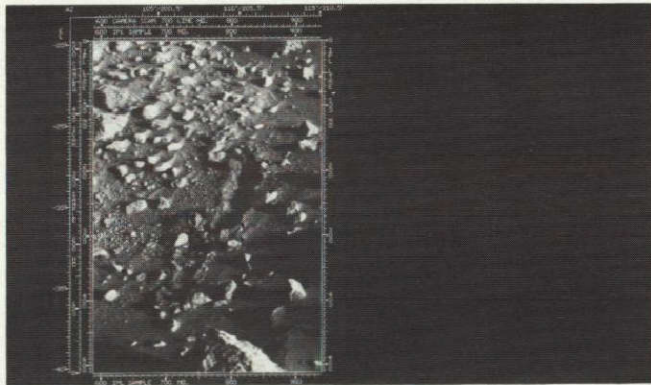


12B108/041 BB4

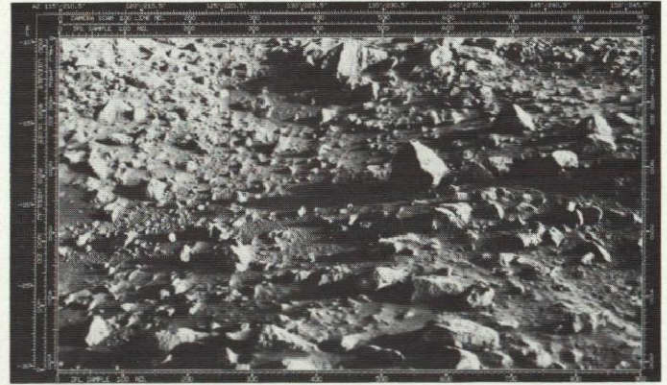
12B109/041 SUN



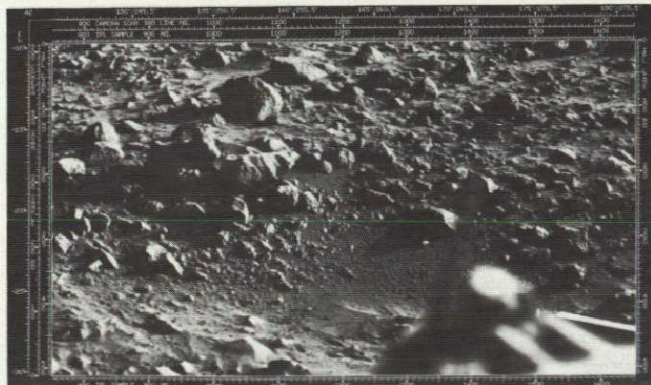
12B110/041 BB2 1/2



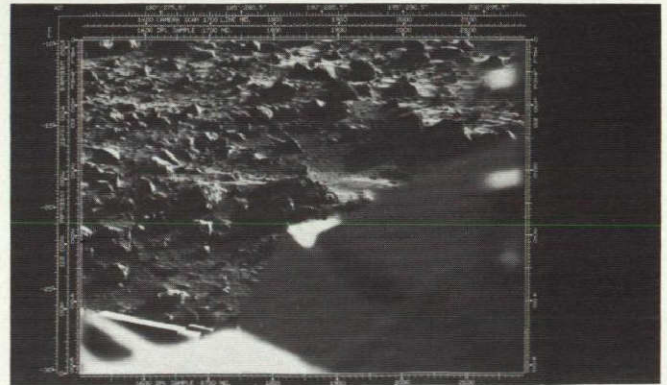
12B110/041 BB2 2/2



12B111/041 BB3 1/3



12B111/041 BB3 2/3



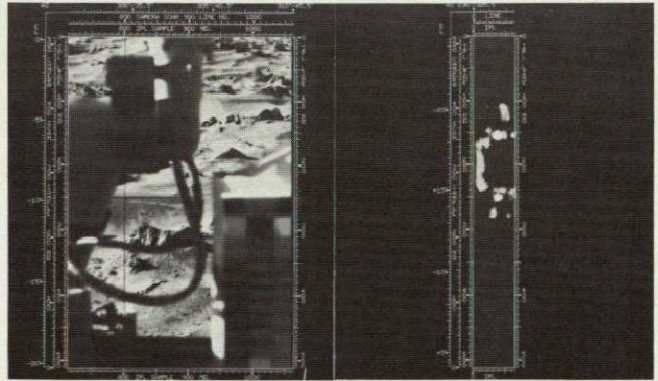
12B111/041 BB3 3/3

VL-1

12B112/041-12B117/042

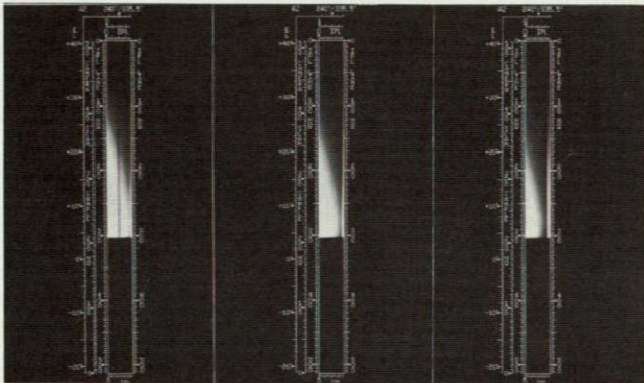


12B112/041 BB3 1/2

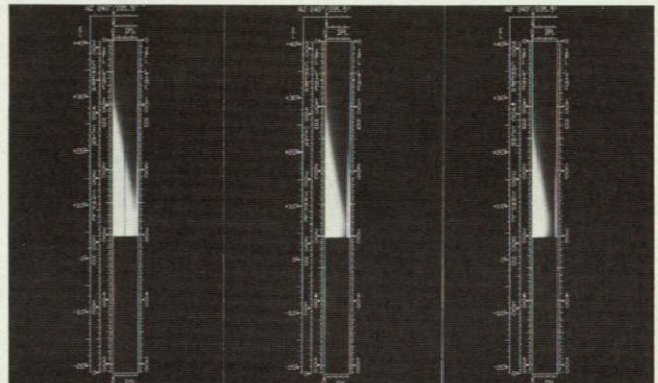


12B112/041 BB3 2/2

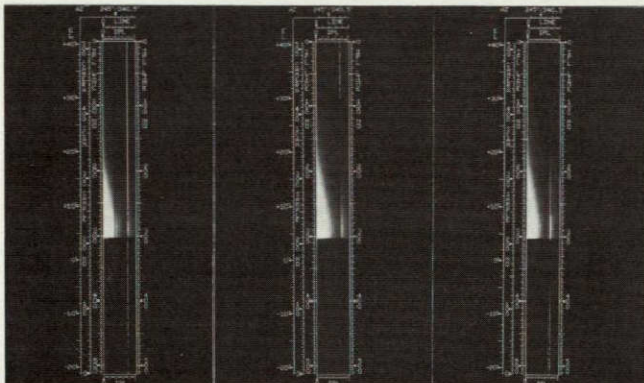
12B113/041 SUN



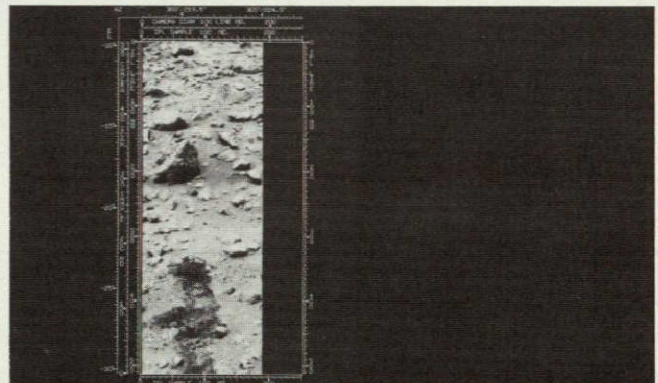
12B114/041 BLU/T 12B114/041 GRN/T 12B114/041 RED/T



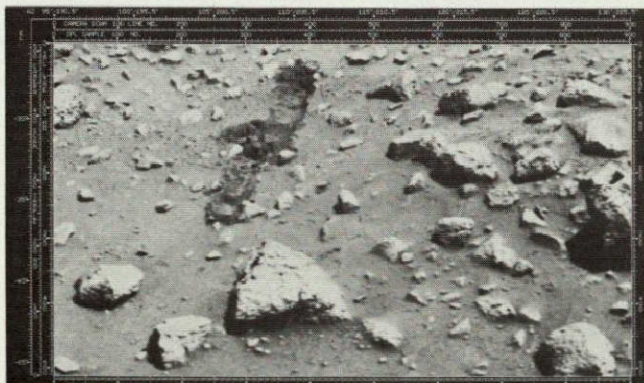
12B115/041 BLU/T 12B115/041 GRN/T 12B115/041 RED/T



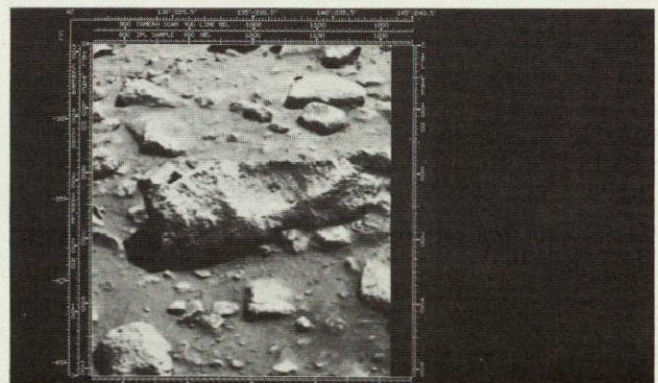
12B116/041 BLU/T 12B116/041 GRN/T 12B116/041 RED/T



11B117/042 BB3



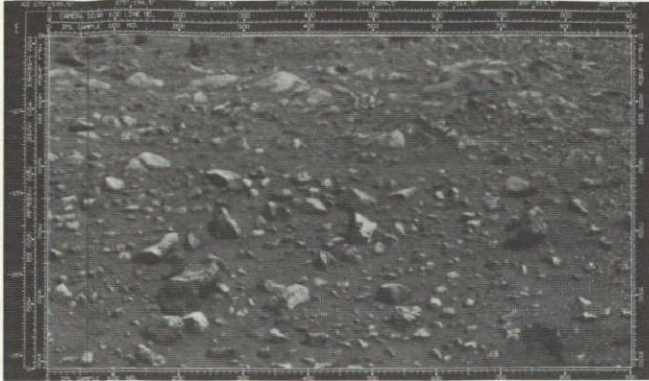
12B118/042 GRN 1/2



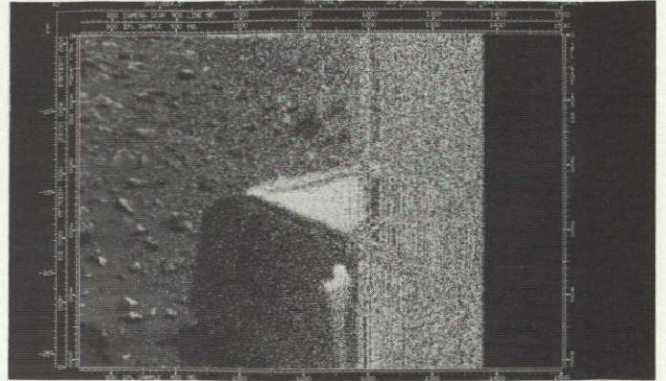
12B118/042 GRN 2/2

11B119/042-12B121/043

VL-1



11B119/042 GRN 1/2



11B119/042 GRN 2/2



11B120/042 BB3 1/4



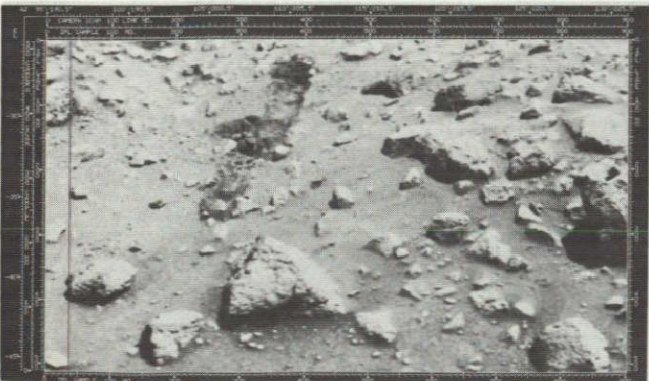
11B120/042 BB3 2/4



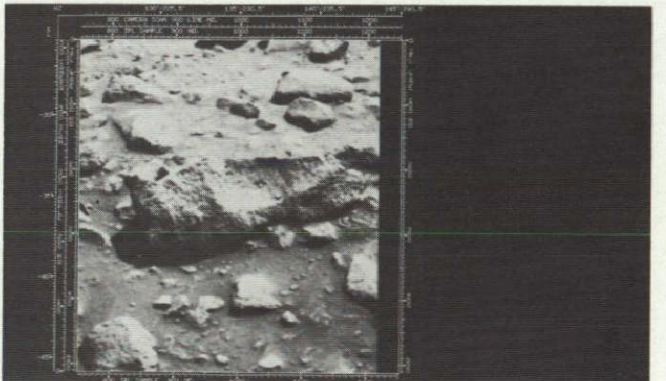
11B120/042 BB3 3/4



11B120/042 BB3 4/4



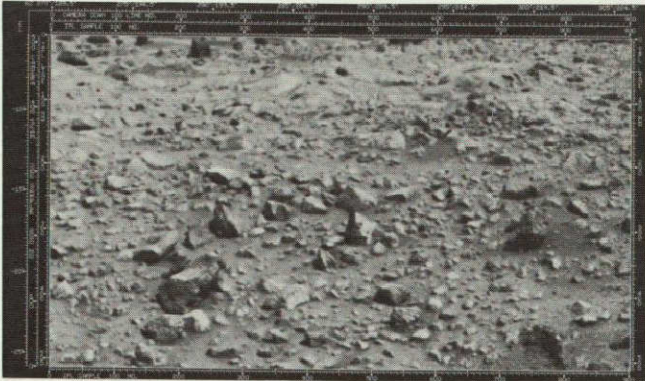
12B121/043 RED 1/2



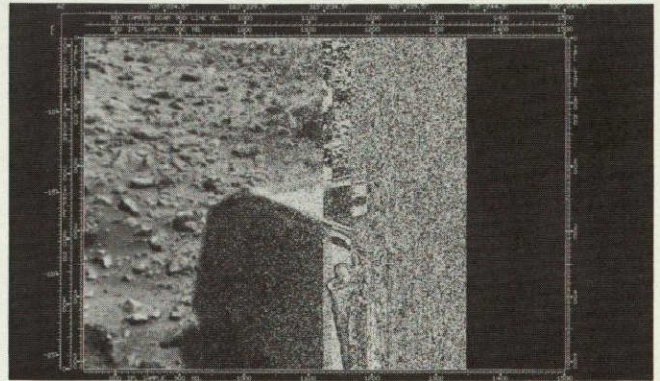
12B121/043 RED 2/2

VL-1

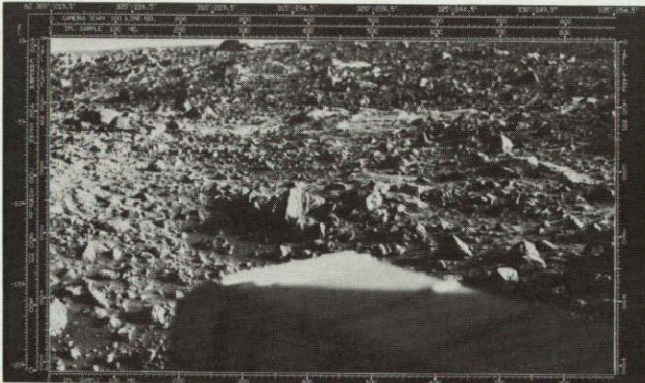
11B122/043-12B127/047



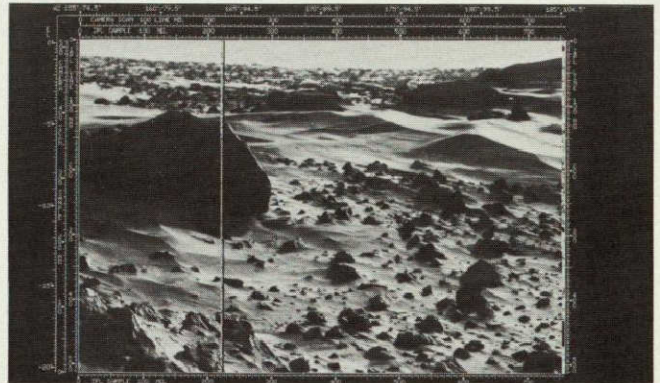
11B122/043 RED 1/2



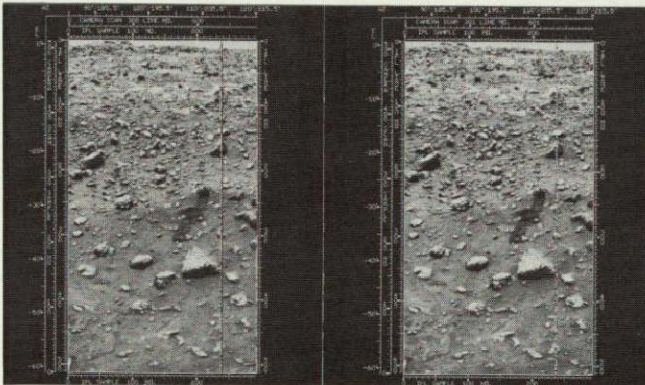
11B122/043 RED 2/2



11B123/043 BB3

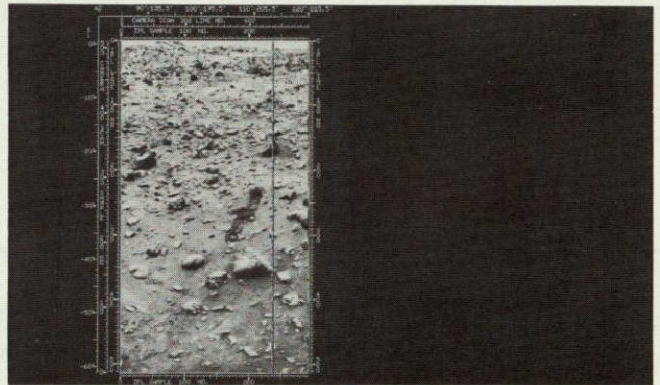


11B124/045 BB3

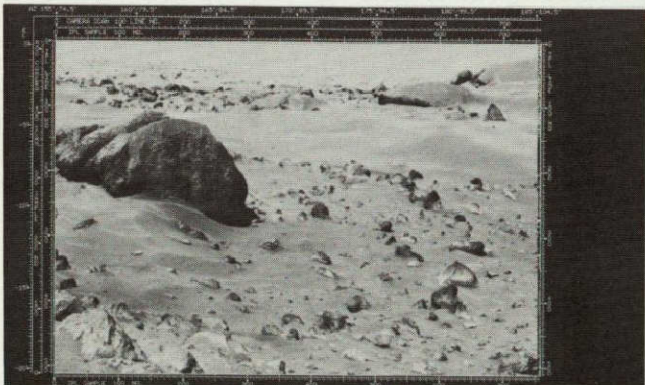


12B125/045 BLU/T

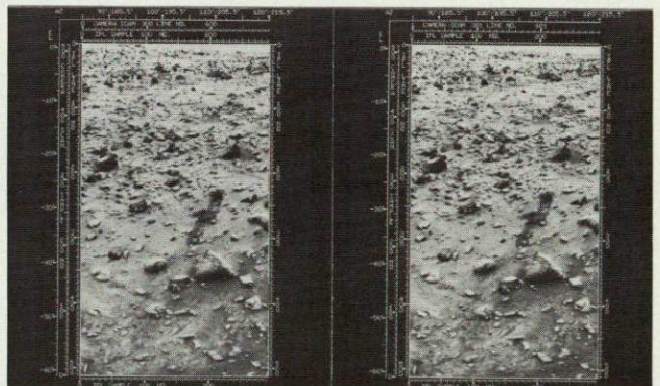
12B125/045 GRN/T



12B125/045 RED/T



11B126/046 BB3

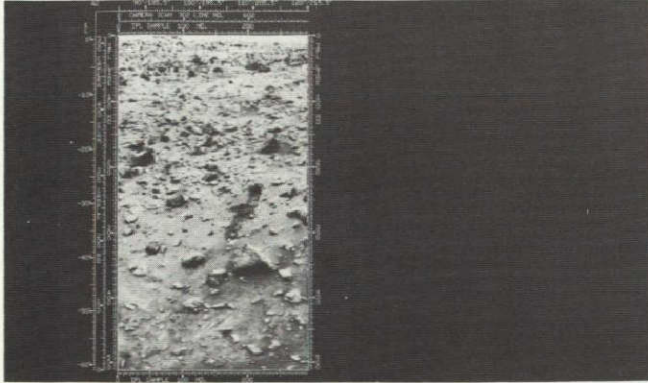


12B127/047 IR3/T

12B127/047 IR2/T

12B127/047-11B137/052

VL-1



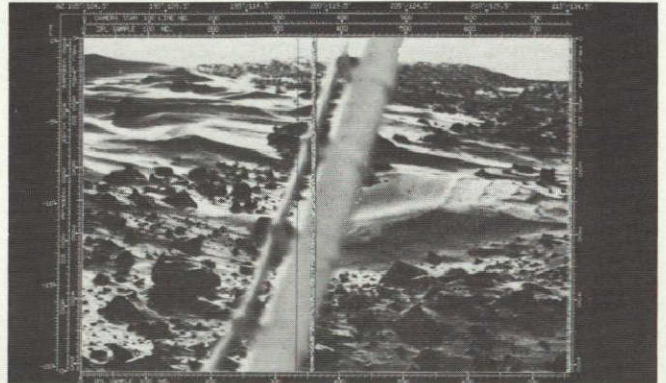
12B127/047 IR1/T



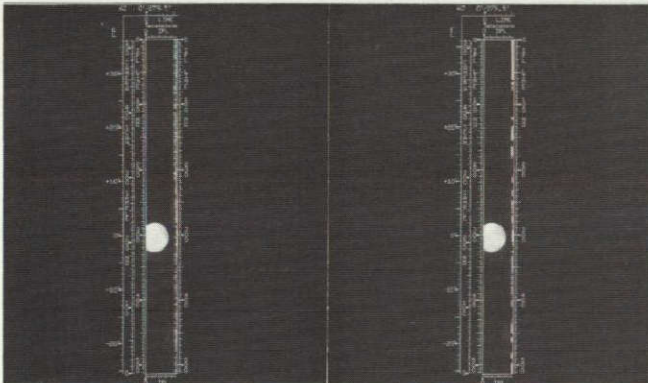
12B128/049 BB3



11B129/050 BB3

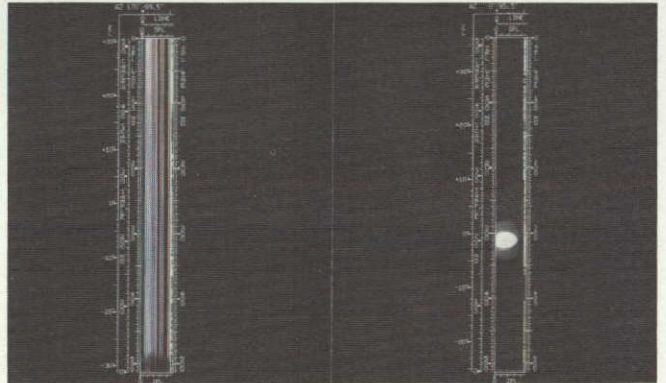


11B130/051 BB3



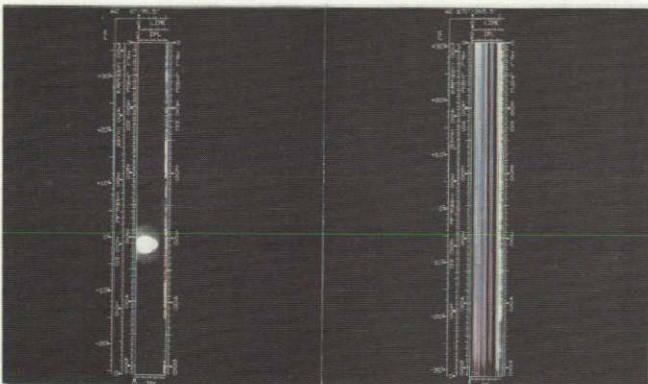
11B131/051 BB1

11B132/051 BB1



11B133/051 CAL

12B134/051 BB1

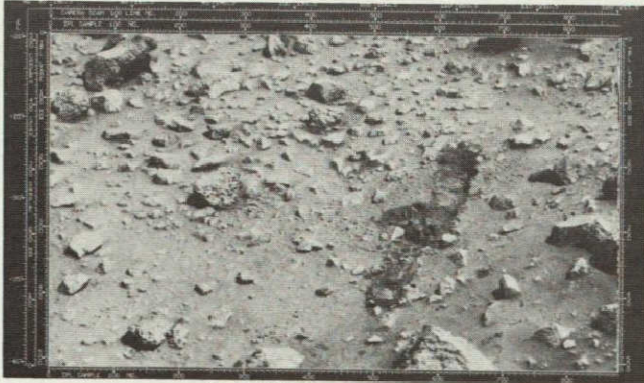


12B135/051 BB1

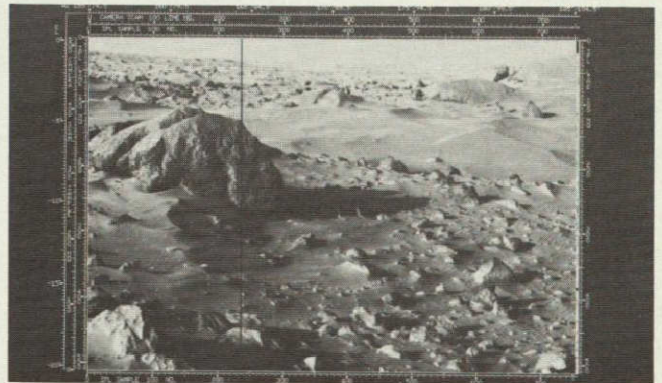
12B136/051 CAL



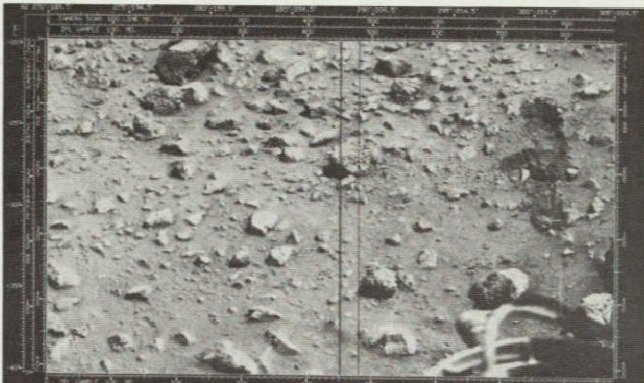
11B137/052 BB3



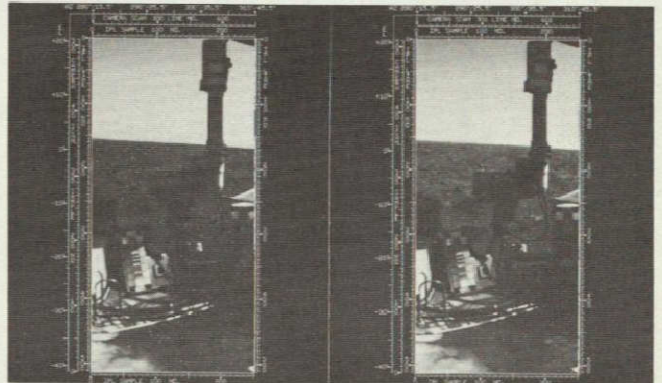
12B138/053 BB2



11B139/054 BB3

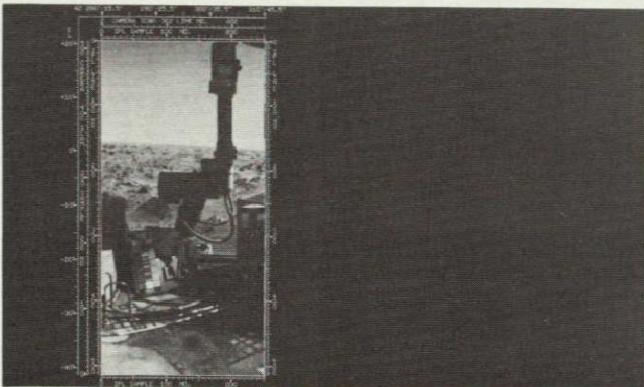


11B140/055 BB2

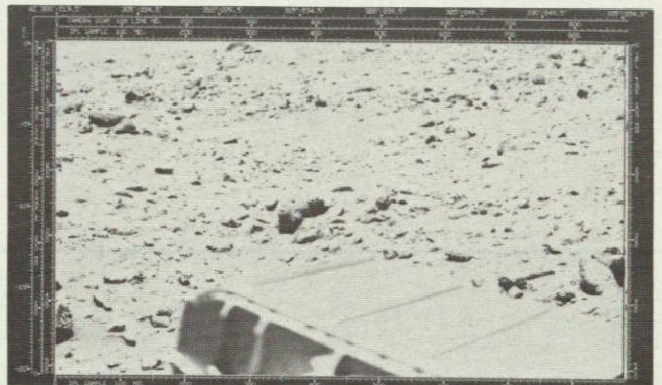


12B141/057 BLU/T

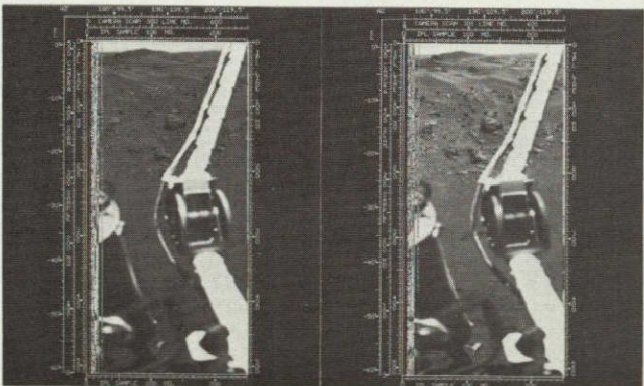
12B141/057 GRN/T



12B141/057 RED/T

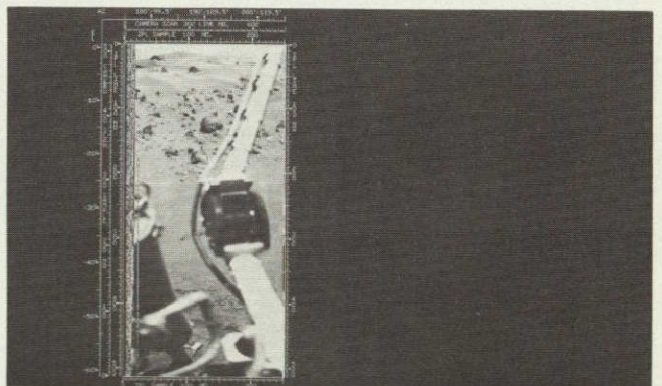


11B142/057 BB3



11B143/058 BLU/T

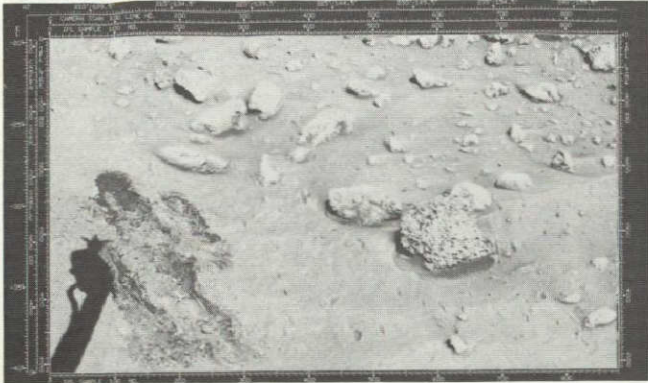
11B143/058 GRN/T



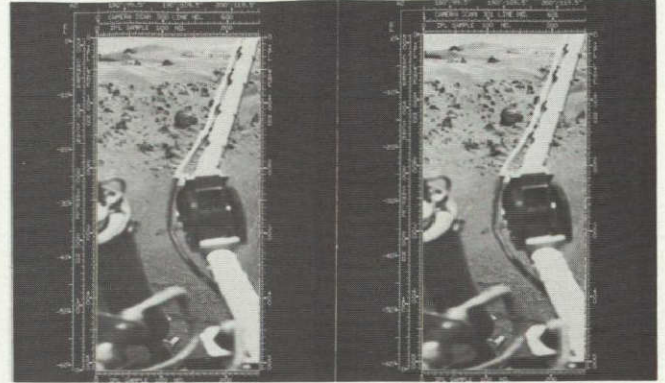
11B143/058 RED/T

11B144/059-11B149/065

VL-1

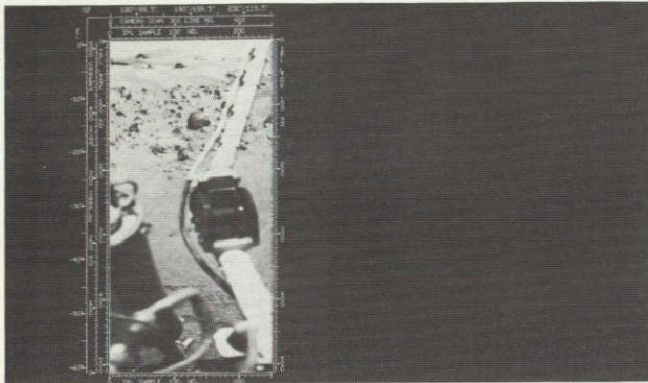


11B144/059 BB2

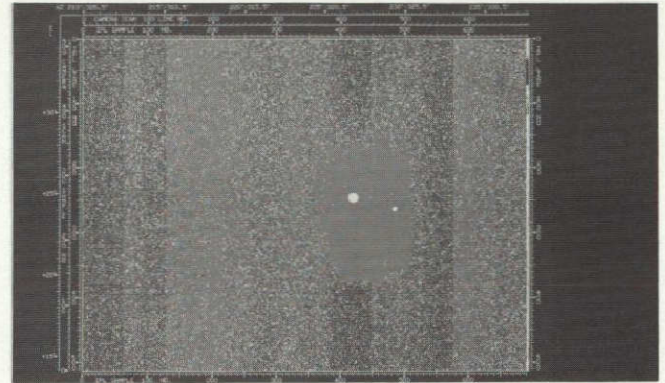


11B145/060 IR3/T

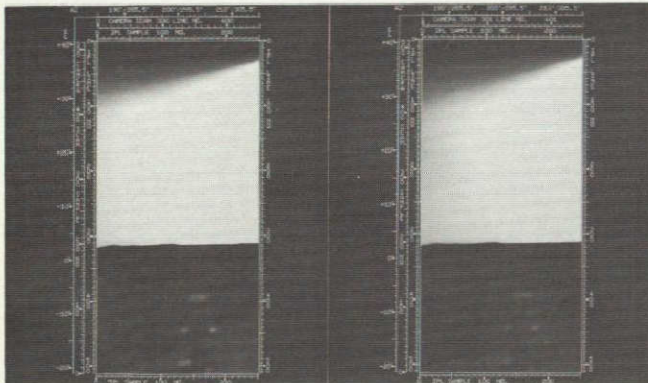
11B145/060 IR2/T



11B145/060 IR1/T

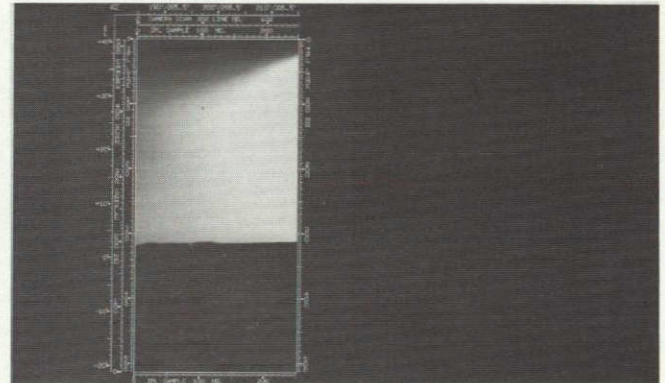


12B146/061 SUN

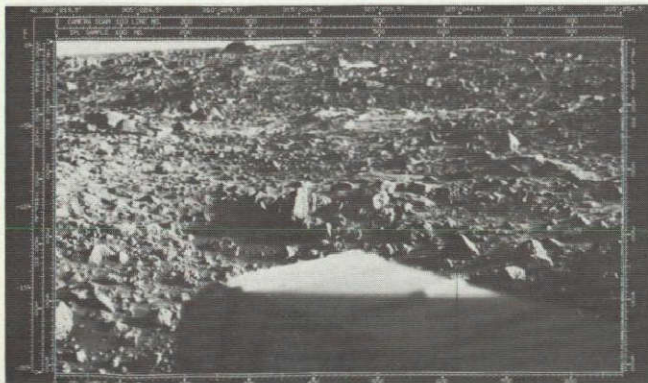


12B147/062 BLU/T

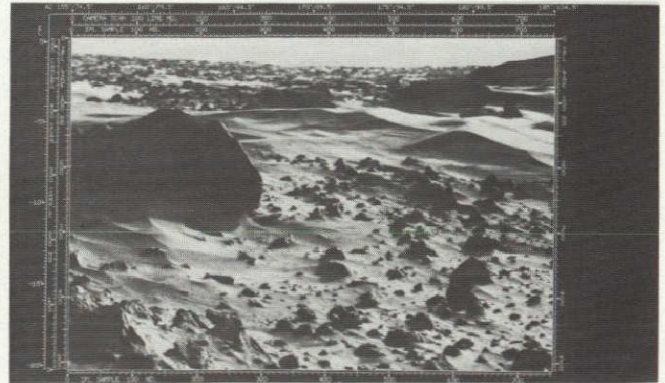
12B147/062 GRN/T



12B147/062 RED/T



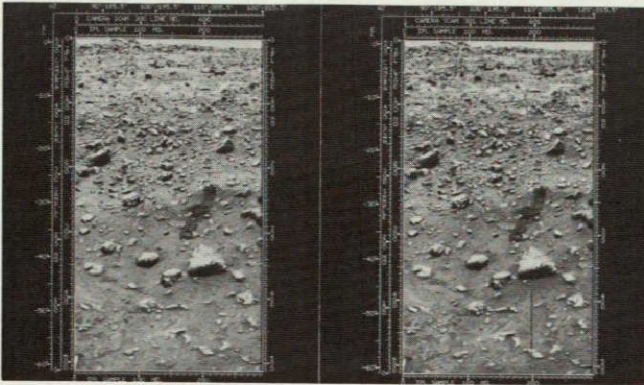
11B148/063 BB3



11B149/065 BB3

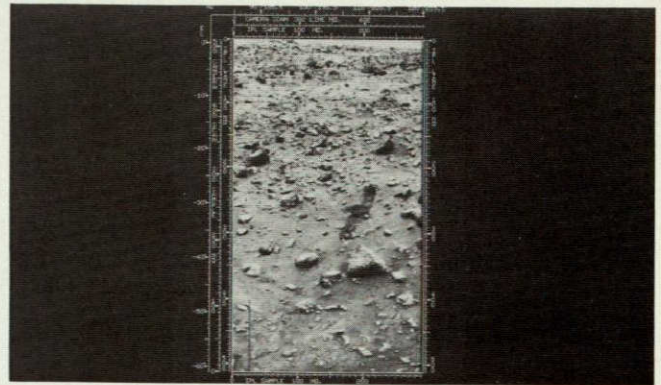
VL-1

12B150/065-11B155/071



12B150/065 BLU/T

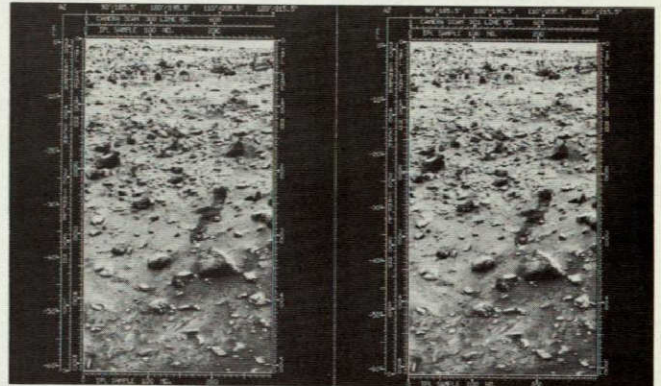
12B150/065 GRN/T



12B150/065 RED/T

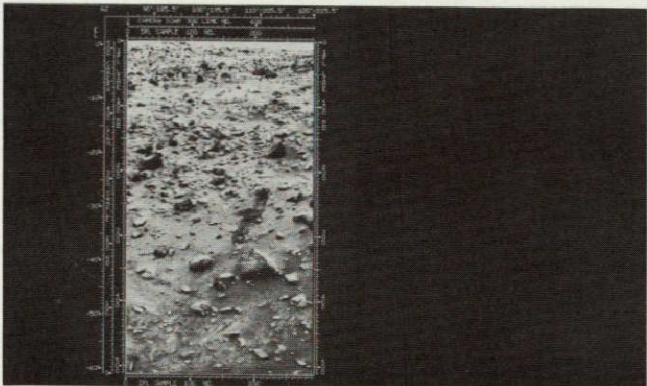


11B151/066 BB3

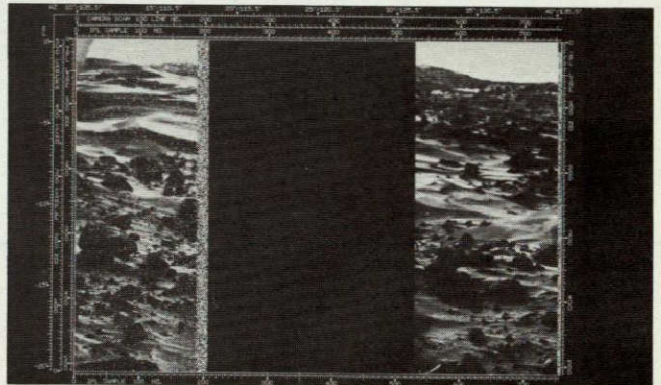


12B152/067 IR3/T

12B152/067 IR2/T



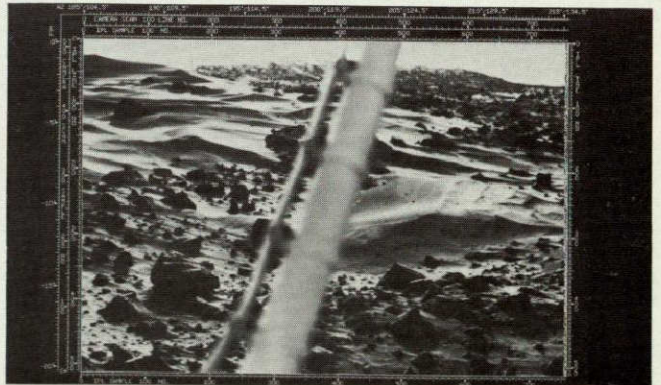
12B152/067 IR1/T



12B153/069 BB3



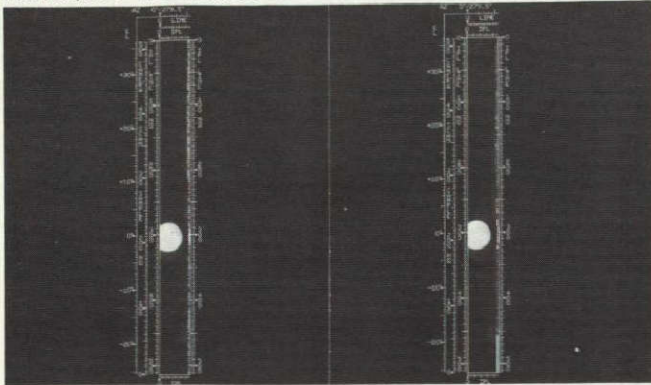
11B154/070 BB3



11B155/071 BB3

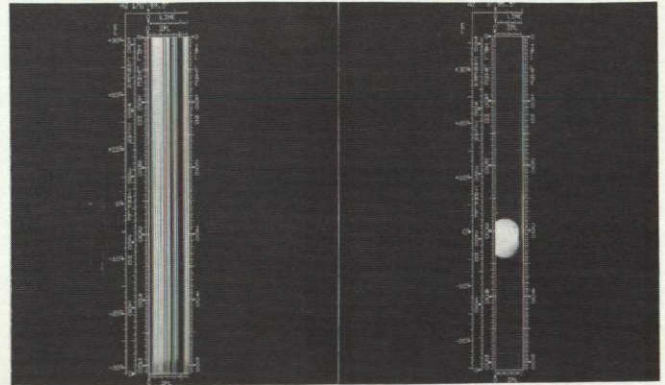
VL-1

11B156/071-12B166/076



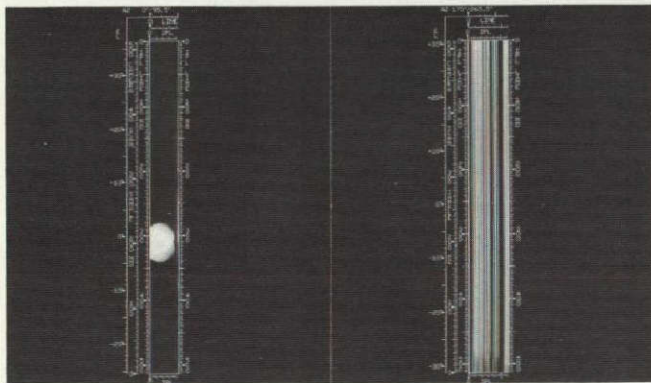
11B156/071 BB1

11B157/071 BB1



11B158/071 CAL

12B159/071 BB1

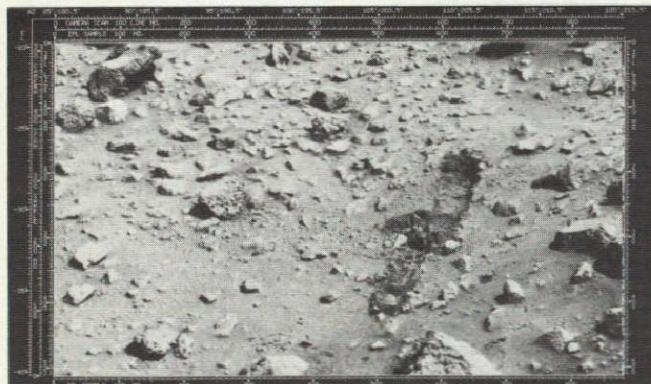


12B160/071 BB1

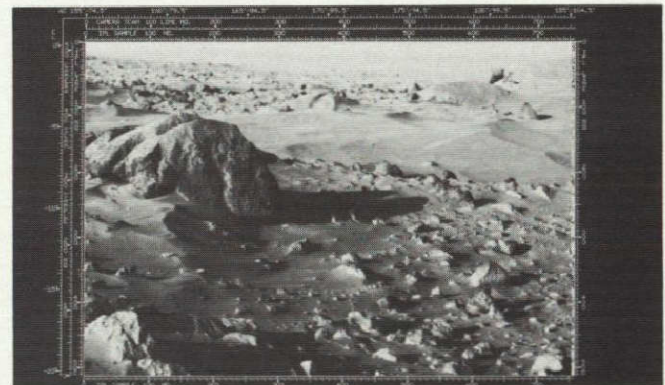
12B161/071 CAL



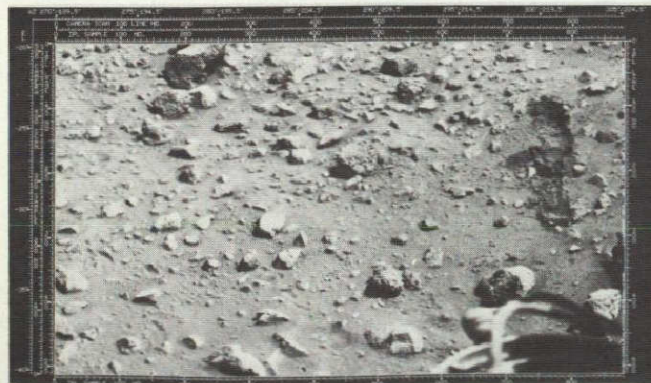
11B162/072 BB3



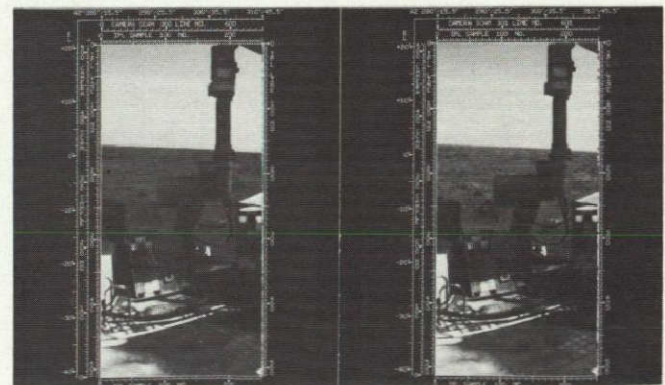
12B163/073 BB2



11B164/074 BB3

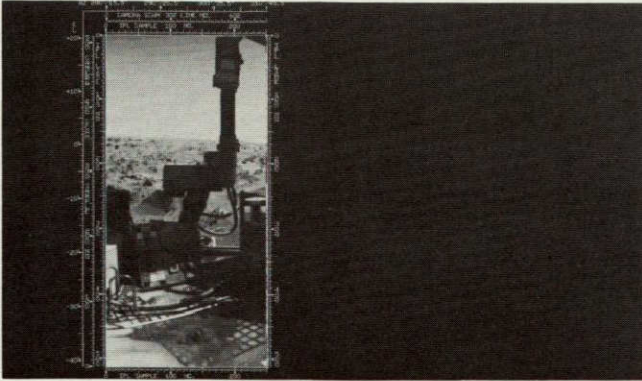


11B165/075 BB2

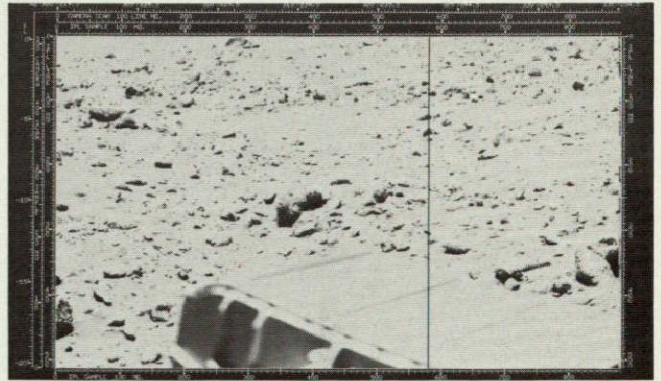


12B166/076 BLU/T

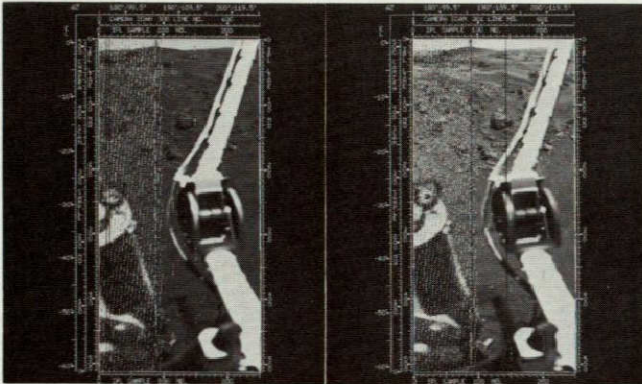
12B166/076 GRN/T



12B166/076 RED/T

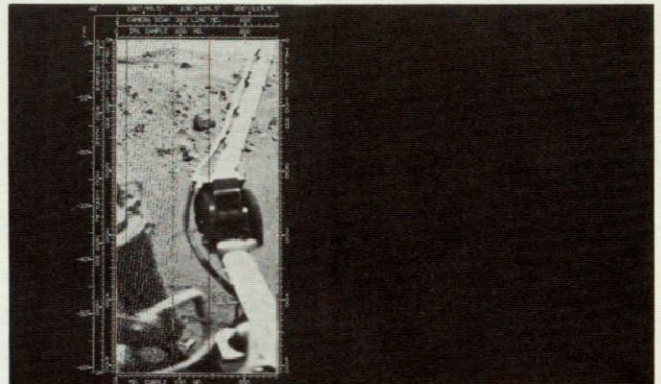


11B167/077 BB3

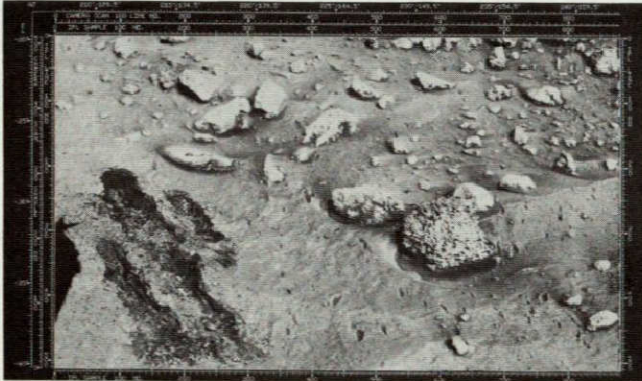


11B168/078 BLU/T

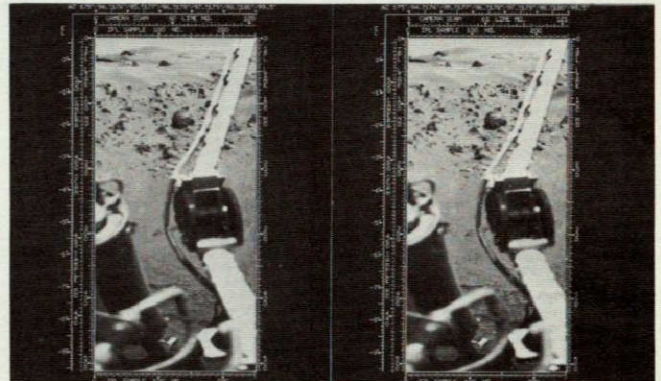
11B168/078 GRN/T



11B168/078 RED/T

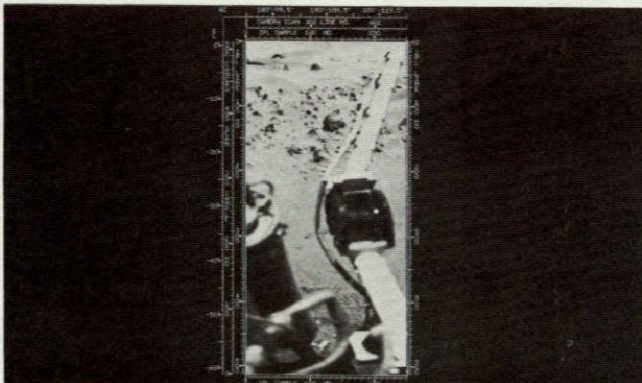


11B169/079 BB2

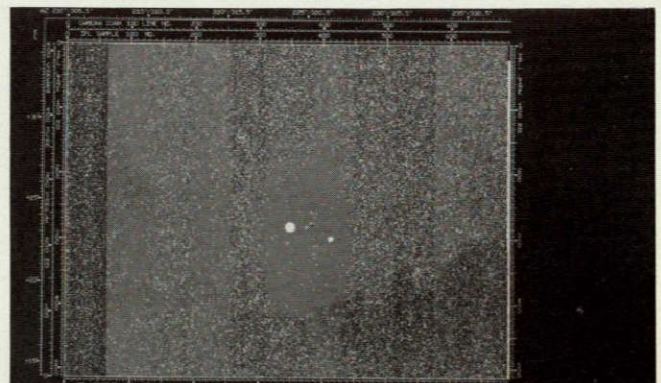


11B170/080 IR3/T

11B170/080 IR2/T



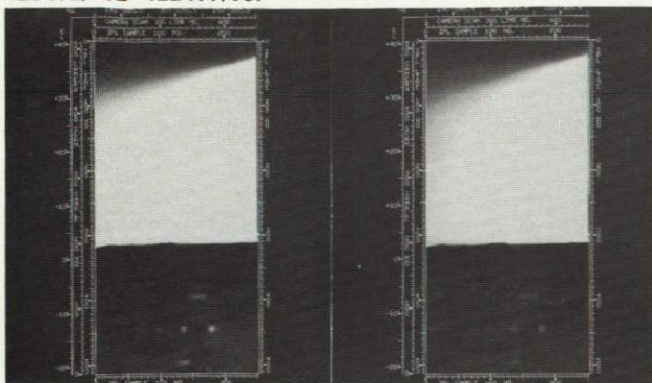
11B170/080 IR1/T



12B171/081 SUN

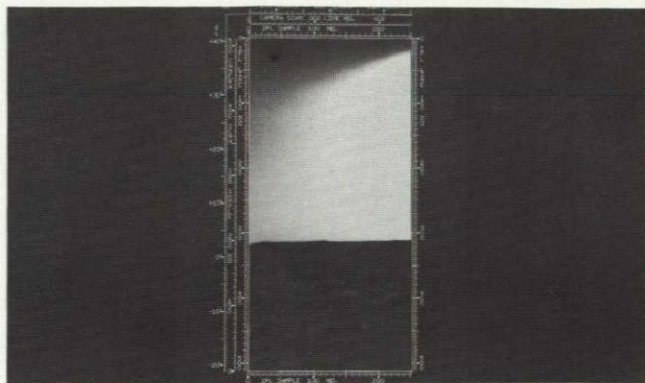
VL-1

12B172/082-12B177/087



12B172/082 BLU/T

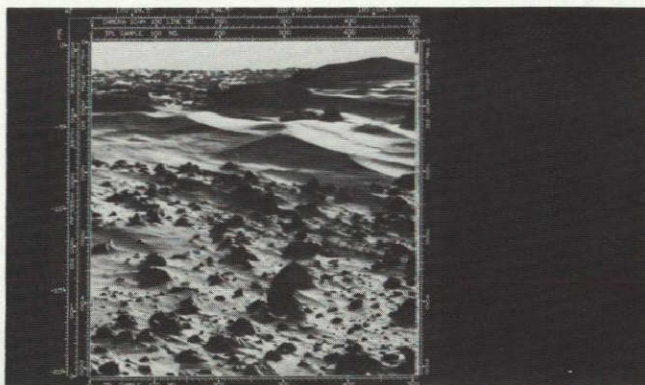
12B172/082 GRN/T



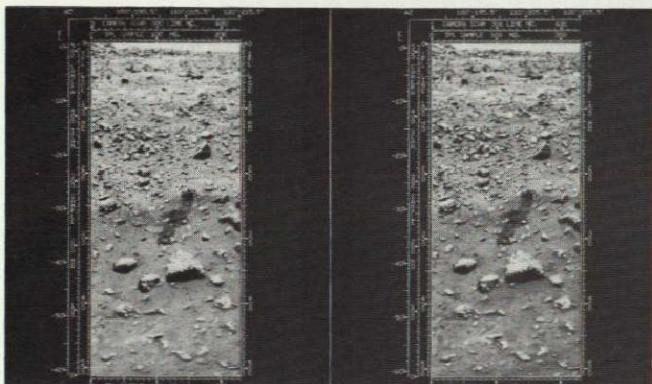
12B172/082 RED/T



11B173/083 BB3

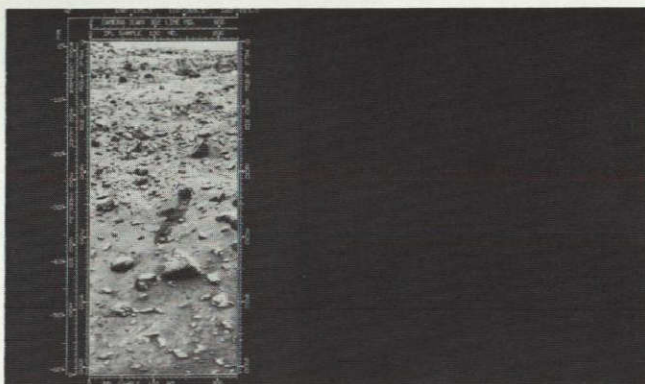


11B174/085 BB3



12B175/085 BLU/T

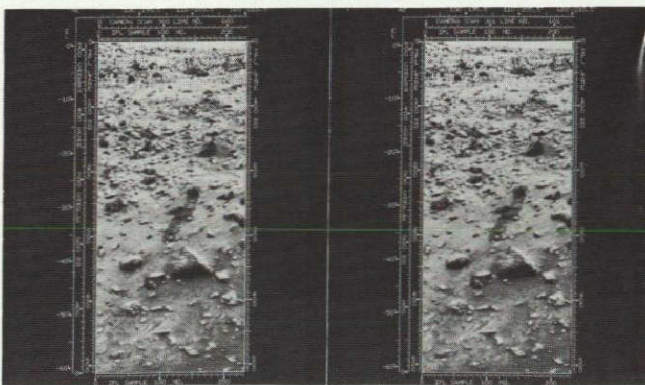
12B175/085 GRN/T



12B175/085 RED/T

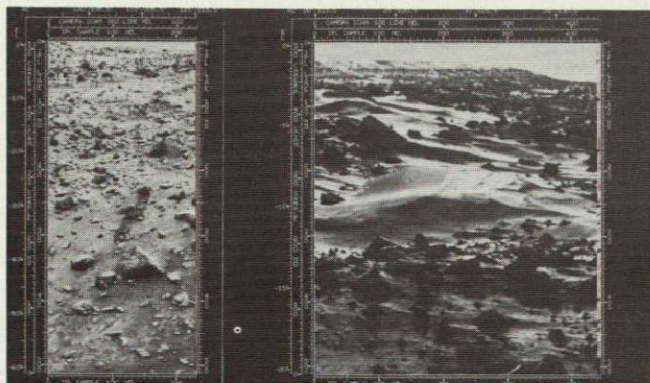


11B176/086 BB3



12B177/087 IR3/T

12B177/087 IR2/T

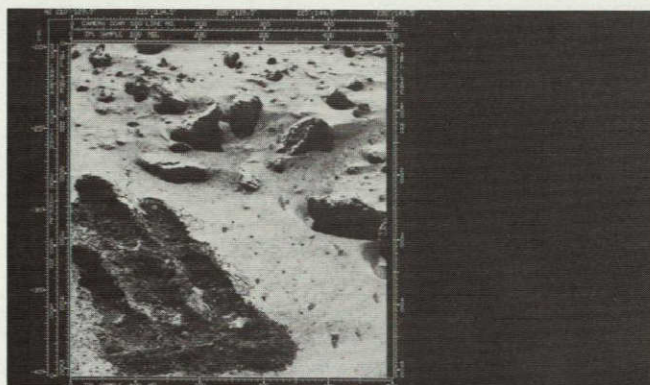


12B177/087 IR1/T

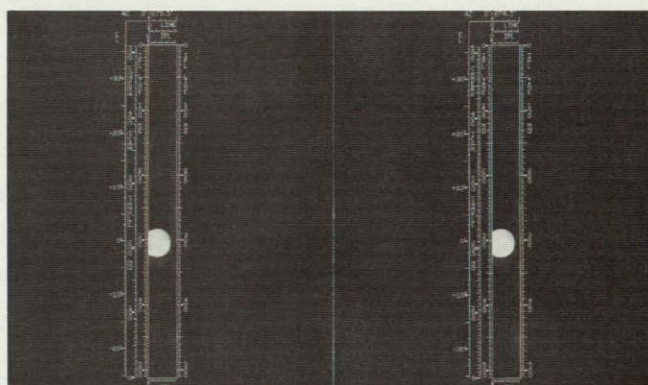
12B178/089 BB3



11B179/090 BB3

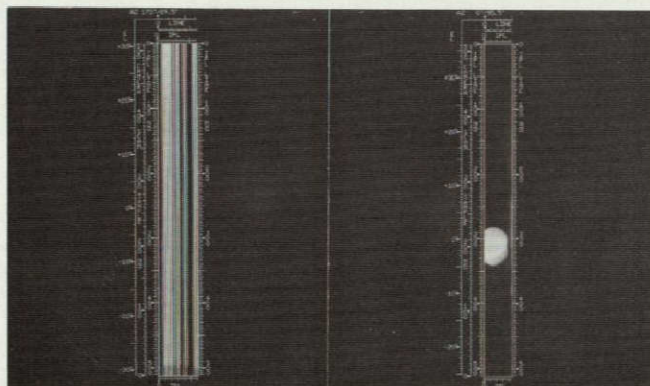


11B180/091 BB2



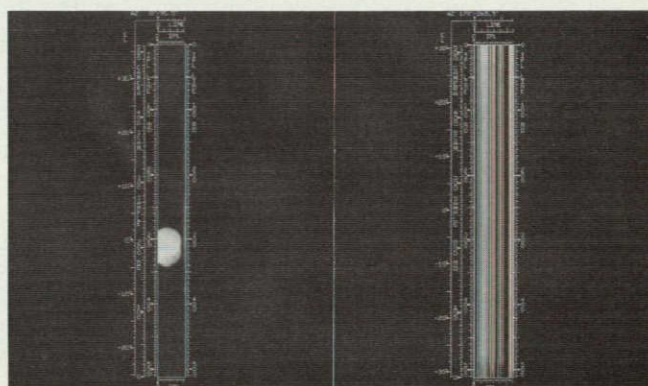
11B181/091 BB1

11B182/091 BB1



11B183/091 CAL

12B184/091 BB1



12B185/091 BB1

12B186/091 CAL



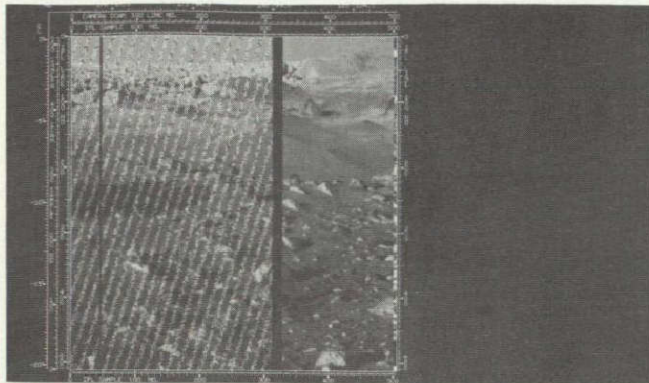
11B187/092 BB3



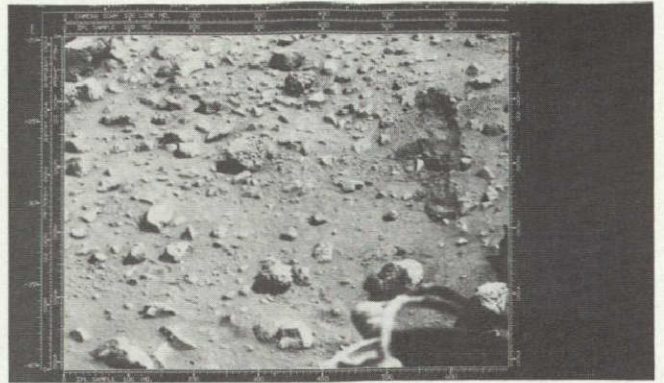
12B188/093 BB2

11B189/094-12B197/101

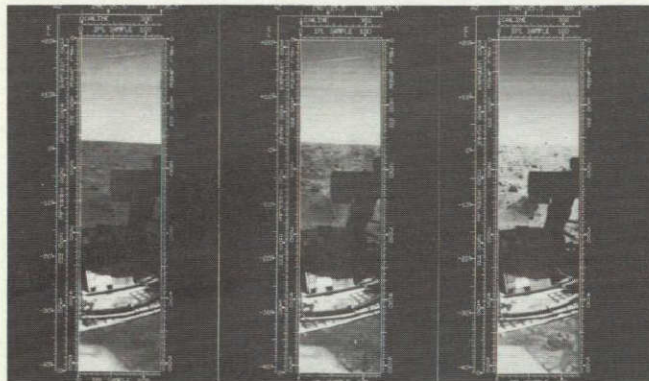
VL-1



11B189/094 BB3



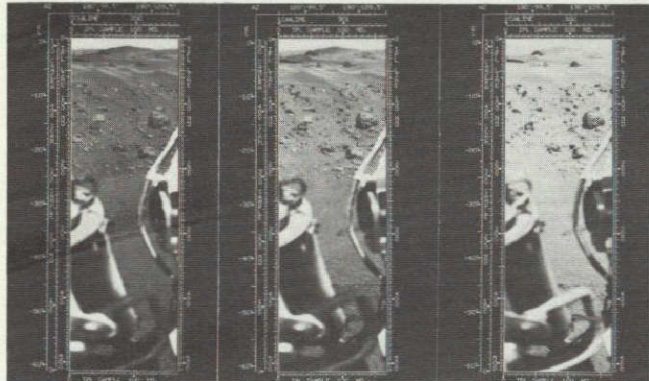
11B190/095 BB2



12B191/096 BLU/T 12B191/096 GRN/T 12B191/096 RED/T



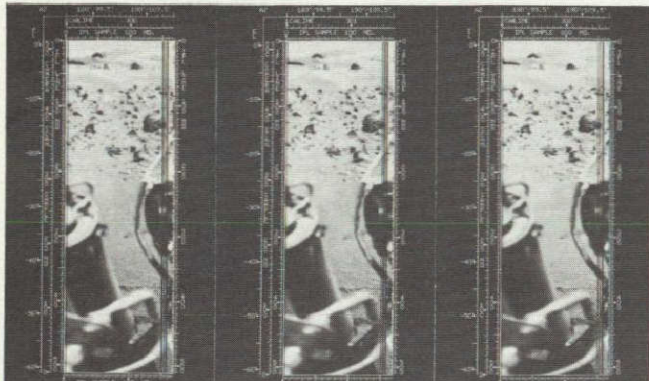
11B192/097 BB3



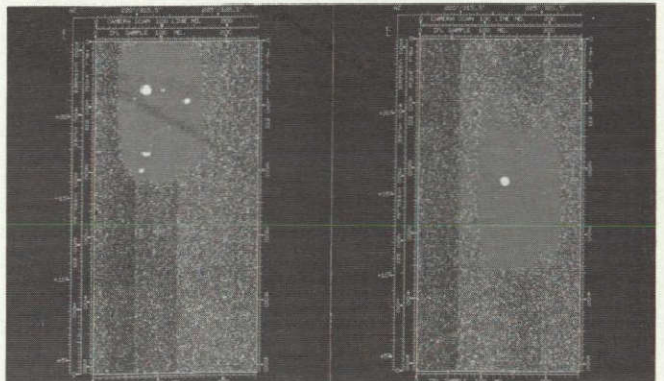
11B193/098 BLU/T 11B193/098 GRN/T 11B193/098 RED/T



11B194/100 BB3



11B195/100 IR3/T 11B195/100 IR2/T 11B195/100 IR1/T

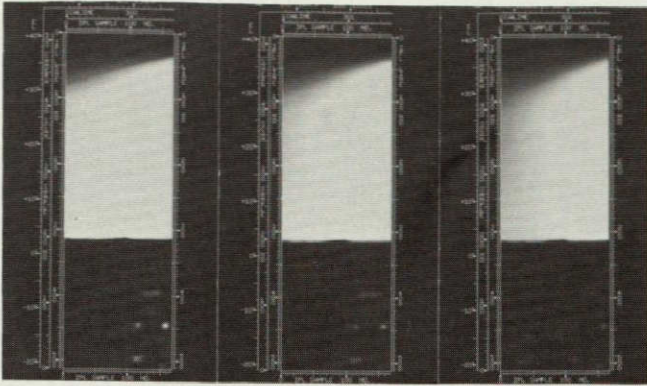


12B196/101 SUN

12B197/101 SUN

VL-1

12B198/102



12B198/102 BLU/T 12B198/102 GRN/T 12B198/102 RED/T

VIKING LANDER 2 EXPERIMENT DATA RECORD

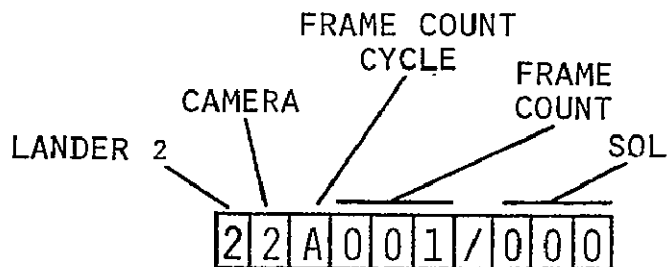
VIKING LANDER 2 EXPERIMENT DATA RECORD

This section contains the parameter lists, the skyline drawings, and the images for Viking Lander 2.

VL-2 PARAMETER LISTS

VL-2 PARAMETER LISTS

The organization of the VL-2 parameter lists which appear in this section are described in the section "Selection of Camera Event Parameter Lists." In all lists the parameter entries for each camera event are preceded by the camera event label. The format of this label is shown in figure 10.



VL-2 SOL-000 = SEPT. 3, 1976

Figure 10.- Format of VL-2 camera event label.

VL-2 CAMERA EVENT REPORT

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS				
22A001/000	09:48:58	SINGLE	92 5/160 0	-50 .04	8/2	1 4	RT/UH	16K	14 118	6/50.7	353/-50	247/22:37:43	05:07.0		
		BB1 * ISDR	1685	0 0	4	2	80 11	27.58		FN0001/01	3				
		FIRST PICTURE FROM LANDER TWO. ROCKS APPEAR VESICULAR. DUST AND GRANULES IN FOOT PAD VERTICAL LINES AT BEGINNING OF IMAGE MUCH LIKE THOSE IN THE FIRST LANDER ONE IMAGE. REINFORCES INTERPRETATION THAT THESE LINES RECORD SETTLING DUST.													
22A002/000	09:55:33	SINGLE	10.0/325.0	-10 .12	14/3	1 4	RT/UH	16K	16 120	4/51.6	354/-51	247/22:44:19	08:52.0		
		SURV * SDR	2812	2626 186	0	0	114.34	50.69		FN0001/02	4				
		FIRST VL2 SURVEY PANORAMA REVEALS ROCKY SURFACE STREWN WITH VESICULAR APPEARING ROCKS. FLAT SKYLINE. STREAKS (HORIZ) IN SKY ALSO SEEN IN VL1 SEEM TO INDICATE REFLECTIONS ON CAMERA NOT CLOUDS. NOT RESCAN													
22A003/000	14:59:59	COLOR	80.0/155 0	-20 .12	1/1	1 4	REC/UH	16K	20 243.7/49.4	1:8/-49	248/03:48.44	06:43.2	D		
		BLU * ISDR	628	627 2	0	0	102.69	22.24		FN0001/03	1				
		GRN * ISDR	628	627 2	0	0	113.63	22.74		FN0001/04	1				
		RED * ISDR	628	627 2	0	0	134.93	26.99		FN0001/05	1				
		COLOR OUT TO RIGHT FRONT OF ROCKY SURFACE													
22A004/000	15:06:42	SINGLE	170.0/170 0	0	15/7	1 2	REC/UH	16K	22	/	/	248/03:55:27	0:18.0		
		CAL SDR	61	0 0	0	0	.00	.00		FN0001/06	1				
		CALIBRATION													
22A005/000	17:29:59	SINGLE	80 0/127 5	-30 .04	0/2	1 4	REC/UH	16K	18 274	8/25.6	149/-25	248/06:18:44	04:16.5		
		BB2 * ISDR	1198	1189 9	0	0	81.28	29.91		FN0001/07	2				
		HI RES OF ICL SAMPLE SITE. PITTED OR VESICULAR ROCKS. SOME EVIDENCE OF DISTURBANCE. SMALL PITS IN FINE SURFACE MATTER THAT MAY HAVE FORMED ON LANDING SOME PATCHES OF PLATY LOOKING SURFACE MATERIAL.													
22A006/001	07:53 59	COLOR	305.0/310.0	-10 .12	1/1	1 4	REC/UH	16K	-6 93	2/32 7	327/-32	248/21:22:20	00:29.9		
		BLU SDR	44	44 1	0	0	101.68	45.31		FN0001/08	1				
		GRN SDR	44	44 1	0	0	104.54	44.83		FN0001/09	1				
		RED SDR	44	44 1	0	0	112.96	47.83		FN0001/10	1				
		CAMERA 2 RTC (RTC2) IN SUNLIGHT. COLOR.													
22A007/001	09:28:56	SINGLE	80.0/127.5	-30 .04	0/2	1 4	RT/UH	16K	0 113	4/47.7	347/-47	248/22:57:16	05:55.0		
		BB2 * ISDR	1664	1189 475	0	0	75.95	30.50		FN0001/11	3				
		MORNING REAL TIME HIGH RES OF ICL SAMPLE SITE. FIRST 20 DEG SOMEWHAT NOISY. 475 LINES OF RESCAN.													
22A008/001	10:53.49	SINGLE	117.5/155.0	-50 .04	8/2	1 4	REC/UH	16K	4 140.0/58.9	7/-52	249/00:22:10	03:23.2			
		BB1 * ISDR	949	939 10	0	0	85.01	30.93		FN0001/12	2				
		FOOTPAD 3. PLATY AND VESICULAR ROCKS. BACKHOE MIRROR IN UPPER RIGHT													
22A009/001	11:14.59	SINGLE	295.0/305 0	-30 .04	8/2	1 5	REC/UH	16K	4 148	6/60 9	14/-55	249/00:43:20	00:56.6		
		BB1 SDR	262	251 11	0	0	71.18	28.54		FN0001/13	1				
		GRID AND LANDER TOP													
22A010/001	13:42.11	SINGLE	125.0/125.0	-50 .04	8/2	1 4	RT/SB	250	10 218	4/59 3	92/-59	249/03:10:31	11:48.0		
		BB1 ISDR	66	1 67	2	1	126.81	35.38		FN0001/14	1				
		RESCAN FOR VARIABLE FEATURES EXPERIMENT													

VL-2 Camera Event Report

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS			
22A011/001	17:29.59	SINGLE	60.0/145.0	-10 .04	13/2	1	4	REC/UH	16K	10	274.7/25.5	149/-33	249/06:58:19	07:36.5	D
		BB3 * ISDR	2132	2126	6	0	0	94.56	31.50		FN0001/15	3			
HI RES TO FRONT OF LANDER. SMALL DRIFTS IN SHALLOW TRENCH.															
22A012/001	17:37.35	SINGLE	170.0/170.0	0	7/7	1	2	REC/UH	16K	12	/	/	248/07:05:55	0:18.0	
		CAL SDR	60	0	0	0	0	.00	.00		FN0001/16	1			
CALIBRATION															
22A013/002	09:26.57	COLOR	80.0/155.0	-20 .12	1/1	1	4	RT/UH	16K	-4	113.1/47.4	346/-39	249/23:34:53	05:55.0	
		BLU * ISDR	554	0	0	72	1	82.35	57.88		FN0001/17	1			
		GRN * ISDR	554	0	0	72	1	88.80	57.10		FN0001/18	1			
		RED * ISDR	553	0	0	73	1	105.63	55.00		FN0001/19	1			
REAL TIME COLOR 80 TO 146.5 DEG OF SAMPLE AREA. FIRST 20 DEG SOMEWHAT NOISY															
22A014/002	11:00.00	SINGLE	310.0/335.0	-20 .12	14/3	1	5	REC/UH	16K	0	142.5/59.4	9/-53	250/01:07:56	00:47.7	
		SURV SDR	220	209	11	0	0	75.67	39.63		FN0001/20	1			
LANDER TOP TOWARD RTG1 SHOWING BIOLOGY PDA DEPLOYED															
22A015/002	13:42.11	SINGLE	125.0/125.0	-50 .04	8/2	1	4	RT/SB	250	8	218.4/59.2	80/-62	250/03:50:07	11:48.0	
		BB1 ISDR	45	1	50	6	1	126.19	20.41		FN0001/21	1			
RESCAN FOR VARIABLE FEATURES															
22A016/002	14:50.00	COLOR	15.0/80.0	0 .12	1/1	1	4	REC/UH	16K	10	240.9/50.7	108/-57	250/04:57:55	05:49.9	D
		BLU * ISDR	545	544	2	0	0	97.96	40.50		FN0001/22	1			
		GRN * ISDR	545	544	2	0	0	104.35	40.45		FN0001/23	1			
		RED * ISDR	544	544	2	1	1	111.74	36.30		FN0001/24	1			
COLOR TO LEFT FRONT OF LANDER															
22A017/002	14:55.49	SINGLE	170.0/170.0	0	15/7	1	2	REC/UH	16K	10	/	/	250/05:03:44	0:18.0	
		CAL SDR	60	0	0	0	0	.00	.00		FN0001/25	1			
CALIBRATION															
22A018/002	15:00.00	COLOR	155.0/210.0	0 .12	1/1	1	4	REC/UH	16K	10	243.6/49.3	112/-55	250/05:07:56	04:56.5	
		BLU * ISDR	460	460	1	0	0	90.60	36.79		FN0001/26	1			
		GRN * ISDR	460	460	1	0	0	94.06	37.95		FN0001/27	1			
		RED * ISDR	459	460	1	1	1	97.32	39.14		FN0001/28	1			
COLOR TO RIGHT OF LANDER															
22A019/003	08:00.00	COLOR	305.0/310.0	-10 .12	1/1	1	4	REC/UH	16K	-10	94.5/33.6	329/-25	250/22:47:31	00:29.9	
		BLU SDR	44	44	1	0	0	99.34	46.74		FN0002/01	1			
		GRN SDR	44	44	1	0	0	102.59	45.75		FN0002/02	1			
		RED SDR	44	44	1	0	0	111.76	48.97		FN0002/03	1			
RTC2 IN SUNLIGHT. COLOR															
22A020/003	09:24.59	SINGLE	80.0/160.0	-50 .04	8/2	1	4	RT/UH	16K	-4	112.7/47.0	346/-39	251/00:12:30	05:55.0	
		BB1 * ISDR	1662	0	0	339	2	76.54	29.51		FN0002/04	3			
REAL TIME OF ROCKS NEAR FOOTPAD 3. IMAGE 80 TO 146.5 DEG. .CACCS.															

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV L/TEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS					
22A021/003	12:52 11	SINGLE	132.5/142.5	-30 .12	14/3	1 4	RT/SB	250	8	196.3/62.8	55/-62	251/03:39:42	21:48.0		
		SURV * SDR	87 84 11		8	1	117.46	30.06		FN0002/05	1				
		SMALL AREA OF SURVEY WITH SOME RESCAN FOR VARIABLE FEATURES.													
21A022/003	15:52 00	COLOR	35.0/ 40.0	-10 .12	1/1	1 4	REC/UH	16K	12	255.9/41.2	303/-48	251/06:39:31	00:29.9		
		BLU * ISDR	45 44 2		0	0	86.03	47.90		FN0002/06	1				
		GRN * ISDR	45 44 2		0	0	87.01	49.70		FN0002/07	1				
		RED * ISDR	44 44 2		1	1	74.32	41.67		FN0002/08	1				
		CAMERA 1 RTC IN SHADOW (RTC3). COLOR													
21A023/003	15:53:59	SINGLE	35.0/ 40.0	-20 .04	8/2	1 4	REC/UH	16K	12	256.4/40.9	304/-48	251/06:41:30	00:29.9 D		
		BB1 * SDR	137 126 11		0	0	40.86	10.29		FN0002/09	1				
		HIGH RES OF CAM 1 RTC (RTC3)													
21A024/003	17:49 00	SINGLE	270.0/297.5	-20 .04	13/2	1 4	REC/UH	16K	12	277.9/22.2	329/-30	251/08:36:31	02:29.9		
		BB3 * ISDR	699 689 10		0	0	88.96	32.43		FN0002/10	1				
		HI RES TO FRONT OF LANDER SHOWING SHALLOW CHANNEL AND VESICULAR ROCKS. LINE OF DRIFTS.													
21A025/003	17:54 00	SINGLE	165.0/302.5	-10 .12	14/3	1 4	REC/UH	16K	12	278.7/21.4	330/-29	251/08:41:31	04:07.6		
		SURV * ISDR	1153 1147 6		0	0	73.28	40.53		FN0002/11	2				
		CAMERA 1 SURVEY TO FRONT OF LANDER TOWARD SETTING SUN													
21A026/003	17:58 07	SINGLE	170.0/170.0	0	7/7	1 2	REC/UH	16K	12	/	/	251/08:45:38	0:18.0		
		CAL * SDR	60 0 0		0	0	.00	.00		FN0002/12	1				
		CALIBRATION													
22A027/004	08:09:00	SINGLE	305.0/310.0	-20 .04	8/2	1 4	REC/UH	16K	-10	96.3/35.0	331/-26	251/23:36:06	00:29.9		
		BB1 * SDR	135 126 9		0	0	100.50	66.16		FN0002/13	1				
		RTC2 IN SUNLIGHT. HI RES													
21A028/004	09:23:03	COLOR	197.5/335.0	-10 .12	1/1	1 4	RT/UH	16K	0	112.4/46.7	161/-38	252/00:50:09	05:55.0		
		BLU * ISDR	554 0 0		593	1	101.08	42.21		FN0002/14	2				
		GRN * ISDR	554 0 0		593	1	108.50	42.13		FN0002/15	2				
		RED * ISDR	553 0 0		594	1	108.50	35.63		FN0002/16	2				
		COLOR 197 TO 264 DEG. (CACCS) LEFT FRONT OF LANDER													
21A029/004	15:36 00	SINGLE	7.5/ 35.0	-20 .12	14/3	1 4	REC/UH	16K	12	252.3/43.6	299/-50	252/07:03:06	00:52.1		
		SURV * SDR	241 230 11		0	0	92.10	45.81		FN0002/17	1				
		GCMS PDA DEPLOYED													
21A030/004	15:36:52	SINGLE	170.0/170.0	0	15/7	1 2	REC/UH	16K	12	/	/	252/07:03:58	0:18.0		
		CAL * SDR	61 0 0		0	0	.00	.00		FN0002/18	1				
		CALIBRATION													
21A031/004	17:00 00	SINGLE	182.5/255.0	-50 .04	8/2	1 4	REC/UH	16K	12	269.2/30.1	319/-38	252/08:27:06	06:29.9		
		BB1 * SDR	1820 1814 6		0	0	67.84	40.27		FN0002/19	3				
		AREA NEAR LEFT FRONT OF LANDER WITH VESICULAR ROCKS AND SMALLER PLATY PIECES (FRACTURED CRUST?)													

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TCTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS				
21A032/004	17:30 00	SINGLE	275.0/305 0	-30 .04	0/2	1	4	REC/UH	16K	14	274 5/25.2	325/-33	252/08.57:06	02:43.2	
		BB2 *	ISDR 760	751 9	0	0		99.02	33 73		FN0002/20	1			
			HI RES TO RIGHT FRONT NEAR FIELD FOR STEREO PAIR												
21A033/004	20:13 59	COLOR	170 0/170.0	10 .12	1/1	1	4	REC/UH	250	6	302.7/ 0.1	354/ -7	252/11:41:05	40:03.2 R	
		BLU *	ISDR 78	2 77	0	0		87.24	53.47		FN0002/21	1			
		GRN	ISDR 77	2 77	1	1		80.57	51.50		FN0002/22	1			
		RED	ISDR 77	2 77	1	1		69.50	48 63		FN0002/23	1			
			COLOR AT TWILIGHT FOR VARIABLE FEATURES												
21A034/005	09:21.09	SINGLE	270 0/297.5	-20 .04	13/2	1	4	RT/UH	16K	0	112 0/46.3	161/-38	253/01.27.50	05:55.0	
		BB3 *	ISDR 1664	689 975	0	0		77.10	31.88		FN0002/24	3			
			REAL TIME, SOMEWHAT NOISY OF ROCKS TO FRONT, RESCAN												
22A035/005	12:52.11	SINGLE	132.5/142 5	-30 .12	14/3	1	4	RT/SB	250	6	196.3/62.6	55/-62	253/04.58:52	21:48.0	
		SURV *	ISDR 95	84 11	0	0		118.28	31.75		FN0002/25	1			
			VARIABLE FEATURES SEGMENT WITH SOME RESCAN												
22A036/005	14:59.59	IR	65.0/180.0	-20 .12	9/1	1	4	REC/UH	16K	8	243 4/48.9	112/-55	253/07.06:40	10:16.5 D	
		IR3	ISDR 960	960 1	0	0		101.77	31.37		FN0002/26	2			
		IR2	ISDR 960	960 1	0	0		96.53	29 48		FN0002/27	2			
		IR1 *	ISDR 959	960 1	1	1		101.18	31.05		FN0002/28	2			
			IR TRIPLET OF AREA TO RIGHT FRONT.												
22A037/005	15:10 15	SINGLE	170.0/170.0	0	7/7	1	2	REC/UH	16K	12	/	/	253/07:16.56	0:18.0	
		CAL	SDR 60	0 0	0	0		.00	.00		FN0002/29	1			
			CALIBRATION												
22A038/006	08.00.00	IR	305.0/310 0	-10 .12	9/1	1	4	REC/UH	16K	-10	94.9/33.4	330/-25	254/00:46.17	00:29.9	
		IR3	SDR 44	44 1	0	0		90.36	48 41		FN0003/01	1			
		IR2	SDR 44	44 1	0	0		88.20	48.37		FN0003/02	1			
		IR1	SDR 44	44 1	0	0		90.25	45 94		FN0003/03	1			
			IR CALIBRATION												
21A039/006	09:19.16	SINGLE	200.0/280.0	-50 .04	8/2	1	4	RT/UH	16K	0	111.7/46.0	161/-38	254/02.05.33	05:55.0	
		BB1 *	ISDR 1663	0 0	338	1		92.06	41.55		FN0003/04	3			
			REDUNDANT HI-RES NEAR LANDER												
21A040/006	11:00 00	SINGLE	35.0/ 60.0	-20 .04	8/2	1	4	REC/UH	16K	6	143.1/59.1	186/-52	254/03.46:17	02:16.6	
		BB1	ISDR 649	626 23	0	0		74.99	53.33		FN0003/05	1			
			RTC'S AND MAGNET												
22A041/006	11:15 00	SINGLE	295.0/305.0	-30 .04	8/2	1	5	REC/UH	16K	0	149.3/60.5	15/-54	254/04:01:17	00.56.6	
		BB1	SDR 262	251 11	0	0		72.12	29.83		FN0003/06	1			
			GRID-CAMERA #2												

VIKING PROJECT LIBRARY/
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS			
21A042/006	11.20 00	SINGLE BB1 GRID-CAMERA #1	40.0/50.0 SDR 262	-30 251	.04 11	8/2 0	1 5	REC/UH 57.6B	16K 34 03	6	151 5/60 9 FN0003/07	192/-55 1	254/04:06:17	00:56.6	
22A043/006	12.52 12	SINGLE SURV * VARIABLE FEATURES	132.5/142.5 ISDR 87	-30 84	.12 11	14/3 8	1 4	RT/SB 117.65	250 29.69	6	196 3/62 5 FN0003/08	55/-62 1	254/05 36:28	21:48.0	
21A044/006	17:30.00	SINGLE BB2 * HI-RES AFTERNOON MOSAIC	232 5/275 0 ISDR 1070	-30 1064	.04 6	0/2 0	1 4	REC/UH 68.99	16K 29.14	10	274.4/25.0 FN0003/09	325/-33 2	254/10.16:17	03.49.9	
21A045/006	17:33 49	SINGLE CAL CALIBRATION	170 0/170.0 SDR 60	0 0	0 0	7/7 0	1 2	REC/UH .00	16K .00	12	/ FN0003/10	/ 1	254/10:20:06	0:18.0	
22A046/006	17:40 00	SINGLE BB2 * SAMPLE SITE IN HI-RES	37.5/47.5 SDR 260	-20 251	.04 9	0/2 0	1 4	REC/UH 61.86	16K 30.84	8	276.2/23.4 FN0003/11	151/-31 1	254/10:26:17	00:56.6	
21A047/006	17:57.00	SINGLE SUN SUN DIODE-AFTERNOON	132.5/167.5 SDR 302	10 293	.12 9	4/3 0	1 2	REC/UH 34.90	16K 1.72	12	279.1/20.6 FN0003/12	330/-28 1	254/10:43:17	01:05.5	
21A048/007	03.44 59	COLOR BLU * GRN RED VARIABLE FEATURES-TWILIGHT	290 0/290.0 ISDR 57 ISDR 58 ISDR 57	10 2 57 2 57 2 57	.12 57 57 57	1/1 1 0 1	1 4	REC/UH 103.45 99.67 87.44	250 63.37 61.42 56.63	-12	50 1/-5 4 FN0003/13 FN0003/14 FN0003/15	100/ 1 1 1	254/21:10:51	40:03.2 R	
21A049/007	06:12 00	SINGLE SUN MORNING EXTINCTION	285 0/320.0 ISDR 302	10 293	.12 9	4/3 0	1 1	REC/UH 63.06	16K 1.05	-6	76.0/15.9 FN0003/16	127/ 1	254/23:37:52	01:05.5	
21A050/007	09:17 23	SINGLE BB4 * MORNING RTI HI-RES MOSAIC	200.0/290 0 ISDR 1663	0 0	.04 0	5/2 588	1 4	RT/UH 131.46	16K 45 18	0	111.4/45.6 FN0003/17	160/-37 3	255/02:43:15	05:55.0	
22A051/007	12:52 11	SINGLE SURV * VARIABLE FEATURES	132.5/142.5 ISDR 95	-30 84	.12 11	14/3 0	1 4	RT/SB 118.43	250 32.64	6	196.4/62.4 FN0003/18	55/-62 1	255/06:18:03	21:48.0	
21A052/007	16:00.00	SINGLE BB2 * AFTERNOON HI-RES REC. MOSAIC	182.5/232.5 SDR 1262	-30 1251	.04 11	0/2 0	1 4	REC/UH 76.86	16K 36.90	10	257.4/39.5 FN0003/19	305/-47 2	255/09:25:52	04:29.9	

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS				
21A053/007	16:04.29	SINGLE CAL CALIBRATION	170.0/170.0 SDR 62	0 0 0	15/7 0	1 0	2	REC/UH .00	16K .00	12	/ FN0003/20	/ 1	255/06.30:21	0:18.0	
21A054/008	09:15.33	SINGLE BB4 * MORNING RTI HI-RES MOSAIC	260.0/335.0 ISDR 1663	0 0 0	.04 213	5/2 1	4	RT/UH 158.15	16K 64.39	-2	111.1/45.3 FN0003/21	160/-37 3	256/03:21:00	05:55.0	
22A055/008	12:52:11	SINGLE BB1 VARIABLE FEATURES	135.0/135.0 ISDR 95	-40 1 94	.04 0	8/2 0	4	RT/SB 121.86	250 27.97	6	196.4/62.3 FN0003/22	55/-62 1	256/06:57:38	21:48.0	
22A056/008	14:29.59	SINGLE BB2 * SAMPLE SITE BEFORE ACQUISITION	37.5/ 47.5 SDR 252	-20 251 1	.04 0	0/2 0	4	REC/UH 109.94	16K 34.59	10	234.7/52.8 FN0003/23	101/-58 1	256/08:35:26	00:54.5	D
21A057/008	14:51.33	SINGLE BB2 * STEREO PAIR WITH 22A056	227.5/237.5 SDR 252	-30 251 1	.04 0	0/2 0	4	REC/UH 112.29	16K 32.78	10	241.0/49.8 FN0003/24	285/-56 1	256/08:57:00	00:54.5	
22A058/008	14:53:33	SINGLE BB2 * SAMPLE SITE IMAGE	37.5/ 47.5 ISDR 252	-20 251 1	.04 0	0/2 0	4	REC/UH 105.66	16K 36.20	10	241.5/49.6 FN0003/25	109/-55 1	256/08:59:00	00:54.5	
21A059/008	14:56:33	SINGLE BB3 * HI-RES OF HORIZON	162.5/190.0 SDR 690	-10 689 1	.04 0	13/2 0	4	REC/UH 79.55	16K 31.88	10	242.3/49.1 FN0003/26	286/-55 1	256/09:02:00	02:27.9	
21A060/008	16:28.30	SINGLE SURV COLLECTOR HEAD OVER BIO PDA	7.5/ 35.0 SDR 232	-20 230 2	.12 0	14/3 0	4	REC/UH 88.62	16K 36.50	12	262.6/35.1 FN0003/27	312/-43 1	256/10:31:57	00:50.1	
21A061/008	17:45:59	SINGLE BB1 IMAGE BACKHOE MAGNET	275.0/282.5 ISDR 186	-10 0 0	.04 0	8/2 3	3	REC/UH 182.47	16K 45.67	12	277.1/22.2 FN0003/28	328/-30 1	256/11:51:26	00:41.2	
21A062/009	07:49:59	SINGLE BB2 * SAMPLE SITE AFTER ACQUISITION	227.5/237.5 SDR 250	-30 0 0	.04 0	0/2 1	4	REC/UH 55.07	16K 28.20	-4	93.4/31.6 FN0003/29	144/-23 1	257/02:35:02	00:54.5	
22A063/009	07:51:59	SINGLE BB2 * STEREO PAIR WITH 21A062	37.5/ 47.5 SDR 253	-20 251 2	.04 0	0/2 0	4	REC/UH 64.92	16K 28.81	-8	93.7/32.0 FN0003/30	329/-23 1	257/02:37:02	00:54.5	
22A064/009	08:01:59	COLOR BLU GRN RED COLOR MOSAIC OF SAMPLE SITE	37.5/ 47.5 SDR 83 SDR 83 SDR 82	-10 0 0 0 0 0 0	.12 0 0 0 0 0 0	1/1 1 1 2	4	REC/UH 87.34 91.10 93.03	16K 43.73 41.83 37.08	-6	95.6/33.6 FN0003/31 FN0003/32 FN0003/33	330/-25 1 1 1	257/02:47:02	00:54.5	

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS			
21A065/009	08:03	59	SINGLE 157.5/162.5 BB3 * SDR 125 HI-RES REC. MOSAIC	-10 .04 0 0	13/2 1	1	4 126.20	REC/UH 16K 20.93	-4	96.0/33.9 FN0003/34	147/-25 1	257/02:49:02	00:27.9		
21A066/009	08:04	26	SINGLE 170.0/170.0 CAL SDR 60 CALIBRATION	0 0 0 0	7/7 0	1	2 .00	REC/UH 16K .00	-4	/ FN0003/35	/ 1	257/02:49:29	0:18.0		
22A067/009	09:13	44	SINGLE 10.0/ 90.0 BB4 * ISDR 1663 HI-RES RTI MOSAIC	0 .04 0 0	5/2 338	1	4 124.68	RT/UH 16K 41.69	-2	110.8/45.0 FN0003/36	344/-36 3	257/03:58:46	05:55.0		
21A068/009	12:00	10	SINGLE 245.0/245.0 BB1 SDR 46 VARIABLE FEATURES	-40 .04 1 50	8/2 5	1	4 130.17	RT/SB 250 14.94	6	170.7/62.7 FN0003/37	208/-59 1	257/06:45:12	11:48.0		
21A069/009	16:49	58	SINGLE 190.0/217.5 BB3 * SDR 690 AFTERNOON HI-RES REC. MOSAIC	-10 .04 689 1	13/2 0	1	4 66.76	REC/UH 16K 33.08	10	267.0/31.2 FN0003/38	317/-39 1	257/11:35:01	02:27.9		
22A070/010	07:49	59	SINGLE 37.5/ 47.5 BB2 * ISDR 255 SAMPLE SITE AFTER DIG	-20 .04 251 4	0/2 0	1	4 65.29	REC/UH 16K 29.90	-8	93.5/31.6 FN0004/01	328/-23 1	258/03:14:37	00:54.5		
21A071/010	09:11	58	SINGLE 135.0/225.0 BB4 * ISDR 1662 MORNING HI-RES RTI MOSAIC	0 .04 0 0	5/2 589	1	4 139.56	RT/UH 16K 34.52	-13	110.5/44.6 FN0004/02	160/-36 3	258/04:36:36	05:55.0		
21A072/010	09:46	06	COLOR 235.0/310.0 BLU * ISDR 582 GRN * ISDR 579 RED * ISDR 580 COLOR MOSAIC	-30 .12 0 0 0 0 0 0	1/1 44 47 46	1	4 76.22 82.00 91.87	RT/UH 16K 41.19 42.24 45.23	6	119.2/49.7 FN0004/03 FN0004/04 FN0004/05	167/-42 1 1 1	258/05:10:43	06:12.5		
22A073/010	12:10	11	SINGLE 135.0/135.0 BB1 ISDR 95 VARIABLE FEATURES	-40 .04 1 94	8/2 0	1	4 115.74	RT/SB 250 28.55	6	175.8/62.8 FN0004/06	36/-60 1	258/07:34:48	21:48.0		
21A074/010	15:44	59	SINGLE 12.5/ 27.5 BB1 ISDR 374 SURFACE SAMPLER IMAGE	-20 .04 0 0	8/2 2	1	5 31.67	REC/UH 16K 21.10	12	253.9/41.6 FN0004/07	301/-49 1	258/11:09:37	01:21.2		
21A075/010	17:29	59	SINGLE 217.5/265.0 BB3 * ISDR 1182 AFTERNOON HI-RES REC. MOSAIC	-10 .04 0 0	13/2 7	1	4 69.57	REC/UH 16K 31.09	12	274.2/24.6 FN0004/08	325/-32 2	258/12:54:37	04:14.5		

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL	RESCAN	LINES			AVE DN	STAND		EDR	# OF EDR			
			RECORD LINES	BEGIN/TOTAL	MISSED	GAPS		VALUE	DEV		TAPE/FILE	SEGMENTS			
21A076/011	09:10.13	SINGLE	70.0/160.0	0 .04	5/2	1 4	RT/UH	16K	16K	-15	110.3/44.3	160/-36	259/05.14.26	05:55.0	
		BB4 * ISDR	1663	0 0	588	1		126.92	50.38		FN0004/09	3			
		RTI HI-RES MOSAIC													
21A077/011	09.44.20	SINGLE	125.0/335.0	0 -20 .12	14/3	1 4	RT/UH	16K	16K	0	118.9/49.4	167/-41	259/05:48.33	06:33.0	
		SURV * ISDR	1841	1751 90	0	0		113.02	52.77		FN0004/10	3			
		TO COMPLETE CAMERA #1 SURVEY													
21A078/011	14:30:10	SINGLE	245.0/245.0	-40 .04	8/2	1 4	RT/SB	250	250	8	234.6/52.5	277/-58	259/10.34:23	11:48.0	
		BB1 SDR	48	1 50	3	1		94.97	39.87		FN0004/11	1			
		VARIABLE FEATURES													
21A079/012	09:06.03	SINGLE	212.5/327.5	-50 .04	8/2	1 4	RT/UH	16K	16K	-4	109.4/43.6	159/-35	260/05:49 51	10. 3.0	
		BB1 * ISDR	2675	0 0	201	2		70.10	47.22		FN0004/12	4			
		MORNING RTI HI-RES COMP.													
21A080/012	09:40.48	SINGLE	175.0/250.0	-50 .04	8/2	1 4	RT/UH	16K	16K	2	118.1/48.8	166/-41	260/06:24.36	6.33.0	
		BB1 * ISDR	1841	0 0	35	1		98.11	48.94		FN0004/13	3			
		MORNING RTI HI-RES COMP.													
21A081/012	11:07.59	COLOR	55.0/60.0	-10 .12	1/1	1 4	REC/UH	16K	16K	6	147.3/59.3	189/-53	260/07:51:47	00:27.9	
		BLU ISDR	42	0 0	1	1		130.81	68.64		FN0004/14	1			
		GRN ISDR	41	0 0	2	1		128.59	66.94		FN0004/15	1			
		RED ISDR	41	0 0	2	1		125.03	60.05		FN0004/16	1			
		COLOR OF RTC													
21A082/012	11:59.59	COLOR	197.5/287.5	-30 .12	1/1	1 4	REC/UH	16K	16K	8	170.9/62.3	208/-59	260/08:43.47	08:01.2	D
		BLU * ISDR	750	0 0	1	1		102.83	31.13		FN0004/17	1			
		GRN * ISDR	750	0 0	1	1		114.85	33.66		FN0004/18	1			
		RED * ISDR	749	0 0	2	1		124.90	34.60		FN0004/19	1			
		COLOR MOSAIC													
21A083/012	12:08.00	SINGLE	170.0/170.0	0	15/7	1 2	REC/UH	16K	16K	10	/	/	260/08:51:48	0:18.0	
		CAL SDR	61	0 0	0	0		.00	.00		FN0004/20	1			
		CALIBRATION													
21A084/012	12.14:59	COLOR	287.5/322.5	-10 .12	1/1	1 4	REC/UH	16K	16K	10	178.3/62.6	215/-60	260/08.58:47	03:07.8	
		BLU * ISDR	289	0 0	4	2		94.87	43.53		FN0004/21	1			
		GRN * ISDR	290	0 0	3	1		100.98	45.03		FN0004/22	1			
		RED * ISDR	290	0 0	3	1		98.22	41.33		FN0004/23	1			
		COLOR MOSAIC													
21A085/012	15:15.10	SINGLE	260.0/260.0	-40 .04	8/2	1 4	RT/SB	250	250	10	246.8/45.9	292/-52	260/11:58:58	11:48.0	
		BB1 ISDR	51	1 50	0	0		105.78	44.17		FN0004/24	1			
		VARIABLE FEATURES													

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS		
22A086/012	17:11:00	SINGLE	310 0/335.0	-30 .12	14/3	1	5	REC/UH	16K	8	270 7/27.5	145/-35	260/13:54:48	00:45.8 D
		SURV	ISDR 208	0 0	1	1		35.07	24.21		FN0004/25	1		
		COLLECTOR HEAD IN FUNNEL												
22A087/012	17:11:45	SINGLE	170 0/170.0	0 0	15/7	1	2	REC/UH	16K	10	/	/	260/13:55:33	0:18.0
		CAL	SDR 61	0 0	0	0		.00	.00		FN0004/26	1		
		CALIBRATION												
22A088/013	09:04:23	SINGLE	77.5/200.0	-30 .04	0/2	1	4	RT/UH	16K	-10	109.2/43.3	343/-35	261/06:27:46	10:03.0
		BB2 *	ISDR 2675	0 0	389	2		81.47	44.78		FN0005/01	4		
		MORNING RTI HI-RES MOSAIC												
22A089/013	09:39:08	SINGLE	10 0/ 90.0	-30 .04	0/2	1	4	RT/UH	16K	-2	117.8/48.5	350/-40	261/07:02:31	06:33.0
		BB2 *	ISDR 1841	0 0	160	1		115.76	48.01		FN0005/02	3		
		MORNING RTI HI-RES MOSAIC												
21A090/013	11:06:32	SINGLE	35.0/ 60.0	-20 .04	8/2	1	4	REC/UH	16K	4	146.8/59.1	189/-53	261/08:29:56	02:14.5
		BB1	SDR 627	626 1	0	0		75.57	56.22		FN0005/03	1		
		HI-RES OF RTC AND SEISMOMETER												
22A091/013	14:24:10	SINGLE	90 0/ 90.0	-40 .04	8/2	1	4	RT/SB	250	10	232.6/53.0	98/-58	261/11:47:33	11:48.0
		BB1	ISDR 49	1 50	2	1		139.87	49.54		FN0005/04	1		
		VARIABLE FEATURES												
22A092/013	17:10:58	SINGLE	310.0/335.0	-30 .12	14/3	1	5	REC/UH	16K	10	270 6/27.4	145/-35	261/14:34:22	00:45.6
		SURV	SDR 211	209 2	0	0		33.68	21.56		FN0005/05	1		
		COLLECTOR HEAD OVER X-RAY FUN.												
22A093/013	17:19:59	SINGLE	145.0/182.5	-10 .04	13/2	1	4	REC/UH	16K	10	272.2/25.9	146/-34	261/14:43:23	03:21.2
		BB3 *	ISDR 940	939 1	0	0		118.31	23.23		FN0005/06	2		
		EVENING HI-RES REC. MOSAIC												
22A094/013	17:23:20	SINGLE	170.0/170.0	0 0	15/7	1	2	REC/UH	16K	12	/	/	261/14:46:44	0:18.0
		CAL	SDR 61	0 0	0	0		.00	.00		FN0005/07	1		
		CALIBRATION												
22A095/014	06:05:59	SINGLE	55.0/130 0	-50 .04	8/2	1	3	REC/UH	16K	-13	75.7/14.5	311/-6	262/04:08:58	6:41.2
		BB1 *	ISDR 1875	0 0	1	1		72.21	51.47		FN0005/08	3		
		MORNING HI-RES REC. COMP.												
22A096/014	09:02:45	SINGLE	77.5/200.0	-10 .04	13/2	1	4	RT/UH	16K	8	109 0/43.0	342/-34	262/07:05:44	10:03.0
		BB3 *	ISDR 2349	0 0	715	4		85.84	59.66		FN0005/09	4		
		MORNING RTI HI-RES MOSAIC												
22A097/014	09:37:31	SINGLE	10 0/ 90.0	-10 .04	13/2	1	4	RT/UH	16K	-6	117.5/48.2	350/-40	262/07:40:29	06:33.0
		BB3 *	ISDR 1839	0 0	162	2		107.91	35.36		FN0005/10	3		
		POST-RTI HI-RES MOSAIC												

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS				
21A098/014	13:57 11	SINGLE BB1	260.0/260.0 ISDR 51	-40 .04 1 50	8/2 0	1 4	RT/SB 142.40	250 29.33	8 223 5/56.2 FN0005/11	263/-60 1	262/12:00:09	11:48.0		
VARIABLE FEATURES														
21A099/014	16:30 00	COLOR BLU GRN RED	35 0/ 40.0 SDR 42 SDR 41 SDR 41	-10 .12 0 0 0 0 0 0	1/1 1 2 2	1 4	REC/UH 91.62 92.77 81.19	16K 47.22 49.40 44.68	12 262 9/33.9 FN0005/12 FN0005/13 FN0005/14	312/-41 1 1 1	262/14:32:59	00:27.9		
RTC FOR SKY BRIGHTNESS														
21A100/014	17:08 59	SINGLE IR2	150.0/190.0 SDR 336	10 .12 334 2	10/3 0	1 4	REC/UH 79.64	16K 64.34	12 270.2/27.6 FN0005/15	320/-35 1	262/15:11:58	01:12.3		
SKY BRIGHTNESS														
21A101/014	17:11 59	COLOR BLU GRN RED	150 0/192.5 ISDR 354 ISDR 354 ISDR 354	10 .12 0 0 0 0 0 0	1/1 1 1 1	1 5	REC/UH 94.68 92.02 87.74	16K 70.23 68.85 63.89	12 270 7/27.1 FN0005/16 FN0005/17 FN0005/18	321/-35 1 1 1	262/15:14:58	03:47.8		
SKY BRIGHTNESS														
21A102/014	17:15 46	SINGLE CAL	170.0/170.0 SDR 61	0 0 0	7/7 0	1 2	REC/UH .00	16K .00	14 FN0005/19	/ 1	262/15:18:45	0:18.0		
CALIBRATION														
22A103/014	17:29 59	SINGLE BB2 *	157 5/182 5 SDR 627 626	-30 .04 1	0/2 0	1 4	REC/UH 99.08	16K 47.96	8 273.9/24.2 FN0005/20	148/-32 1	262/15:32:58	02:14.5		
AFTERNOON HI-RES REC. MOSAIC														
22A104/014	17:53 59	SINGLE BB4 *	182 5/230.0 ISDR 1185	-10 .04 0 0	5/2 4	1 4	REC/UH 93.43	16K 28.80	10 278 1/20.3 FN0005/21	153/-28 2	262/15:56:58	04:14.5		
AFTERNOON HI-RES REC. MOSAIC														
22A105/015	09:01 09	SINGLE BB4 *	220.0/335.0 ISDR 2328	0 .04 0 0	5/2 548	1 4	RT/UH 125.99	16K 51.13	-17 108.8/42.6 FN0006/01	342/-34 4	263/07:43:43	10:03.0		
MORNING RTI HI-RES MOSAIC														
22A106/015	09:35 54	SINGLE BB4 *	160 0/235.0 ISDR 1841	0 .04 0 0	5/2 35	1 4	RT/UH 134.54	16K 78.06	-2 117.3/47.9 FN0006/02	349/-40 3	263/08:18:28	06:33.0		
MORNING RTI HI-RES MOSAIC														
22A107/015	13:42 10	SINGLE BB1	90 0/ 90.0 ISDR 58	-40 .04 1 59	8/2 2	1 4	RT/SB 150.77	250 30.85	10 217.9/57.6 FN0006/03	80/-61 1	263/12:24:44	11:48.0		
VARIABLE FEATURES														
21A108/015	14:49 59	SINGLE BB4 *	27.5/ 65.0 ISDR 940 939	-10 .04 1	5/2 0	1 4	REC/UH 95.98	16K 61.99	10 240.0/49.3 FN0006/04	284/-55 2	263/13:32:33	03:21.2		
AFTERNOON HI-RES REC. MOSAIC														

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA RECORD	TOTAL LINES BEGIN/TOTAL	RESCAN TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS		
21A109/O15	15:58:14	SINGLE SURV C/H OVER	7 5/ 35 0 ISDR 232	-20 .12 230 2	14/3 0	1 0	4	REC/UH 87.08	16K 40.02	12	256.4/38.9 FN0006/05	304/-46 1	263/14:40:48	00:50.1
21A110/O15	16:59:59	SINGLE BB2 * SAMPLE SITE AFTER DIG (CANCEL)	227.5/237 5 SDR 252	-30 .04 251 1	0/2 0	1 0	4	REC/UH 71.69	16K 33.04	12	268.5/28.9 FN0006/06	318/-37 1	263/15:42:33	00:54.5
21A111/O15	17:54:59	SINGLE BB3 * AFTERNOON HI-RES REC	285 0/315.0 ISDR 747	-10 .04 0 0	13/2 4	1 1	4	REC/UH 109.18	16K 24.95	12	278.2/20.0 FN0006/07	329/-28 1	263/16:37:33	02:41.2
21A112/O15	18:22:25	SINGLE SUN ATMOSPHERIC ATTENUATION	152.5/157.5 SDR 125	30 .04 0 0	4/2 1	1 1	3	REC/UH 34.72	16K 26.15	12	282.8/15.6 FN0006/08	334/-23 1	263/17:04:59	00:27.9
21A113/O15	19:07:25	SINGLE SUN ATMOSPHERIC ATTENUATION	160.0/165.0 ISDR 125	20 .04 0 0	4/2 1	1 1	2	REC/UH 35.03	16K 2.66	12	290.5/ 8.6 FN0006/09	342/-16 1	263/17:49:59	00:27.9
21A114/O16	08:59:37	SINGLE BB2 * MORNING RTI HI-RES MOSAIC	215.0/332.5 ISDR 2596	-30 .04 0 0	0/2 343	1 2	4	RT/UH 81.71	16K 47 86	10	108 6/42.3 FN0006/10	158/-34 4	264/08:21:46	10:03.0
21A115/O16	09:34:22	SINGLE BB2 * MORNING RTI HI-RES MOSAIC	152.5/227 5 ISDR 1841	-30 .04 0 0	0/2 35	1 1	4	RT/UH 108.22	16K 44.38	2	117 0/47.6 FN0006/11	165/-39 3	264/08:56:31	06:33.0
21A116/O16	11:59:59	COLOR BLU * GRN * RED * COLOR MOSAIC	287 5/327 5 ISDR 333 ISDR 333 ISDR 332	-10 .12 0 0 0 0 0 0	1/1 1 1 2	1 1 1 2	4	REC/UH 105.44 110.77 105.46	16K 51.69 52.37 44.87	8	171.3/61.9 FN0006/12 FN0006/13 FN0006/14	209/-58 1 1 1	264/11:22:08	03:34.5
21A117/O16	13:39:10	SINGLE BB1 VARIABLE FEATURES	260.0/260.0 ISDR 51	-40 .04 1 50	8/2 0	1 0	4	RT/SB 141.78	250 29 32	10	216.7/57.8 FN0006/15	255/-61 1	264/13:01:19	11:48.0
22A118/O16	17:17:59	SINGLE BB4 * AFTERNOON HI-RES REC. MOSAIC	10.0/ 67.5 ISDR 1435	0 .04 0 0	5/2 4	1 1	4	REC/UH 88.31	16K 56.66	8	271.6/25.9 FN0006/16	146/-34 2	264/16:40:08	05:07.8
22A119/O16	17:25:59	SINGLE BB3 * AFTERNOON HI-RES REC. MOSAIC	167.5/187.5 ISDR 499	-30 .04 0 0	13/2 2	1 2	4	REC/UH 111.04	16K 42.28	8	273.0/24.6 FN0006/17	147/-32 1	264/16:48:08	01:47.9

VIKING PROJECT LIBRARY
 VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST	
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A120/016	17:29.59	SINGLE	10.0/165.0	0 .12	14/3	1	4	REC/UH	16K	12	273.7/23.9	324/-32	264/16.52.08	04:36.7 D	
		SURV * ISDR	1255	0 0	38	15		78.31	48.24		FN0006/18	2			
		TO COMPLETE SURVEY STEREO													
22A121/016	17:39.59	SINGLE	12.5/ 60.0	-20 .04	13/2	1	4	REC/UH	16K	10	275.5/22.3	150/-30	264/17:02.08	04:14.5	
		BB3 * ISDR	1182	0 0	7	5		62.15	32.11		FN0006/19	2			
		AFTERNOON HI-RES REC. MOSAIC													
21A122/017	08.57.40	SINGLE	135.0/185.0	-10 .04	5/2	1	4	RT/UH	16K	-31	108.3/42.0	158/-33	265/08:59:24	04:24.0	
		BB4 * ISDR	738	0 0	513	2		134.70	54.48		FN0006/20	2			
		MORNING RTI HI-RES MOSAIC													
21A123/017	09.32.34	SINGLE	182.5/257.5	-10 .04	5/2	1	4	RT/UH	16K	2	116.7/47.2	165/-39	265/09.34.18	06:37.0	
		BB4 * ISDR	1859	0 0	17	2		116.18	38.25		FN0006/21	3			
		MORNING RTI HI-RES MOSAIC													
22A124/017	10:02.58	SINGLE	290.0/295.0	-20 .04	8/2	1	3	REC/UH	16K	0	125.2/51.5	356/-44	265/10:04.43	00:27.9	
		BB1 SDR	127	126 1	0	0		135.88	48.04		FN0006/22	1			
		DUST ON MIRROR													
21A125/017	11.19.59	SINGLE	40.0/ 57.5	-30 .04	8/2	1	5	REC/UH	16K	6	153.1/59.8	194/-54	265/11:21.44	01:34.5	
		BB1 SDR	440	439 1	0	0		63.00	35.77		FN0006/23	1			
		DUST ON GRID													
22A126/017	12.25.10	SINGLE	135.0/135.0	-40 .04	8/2	1	4	RT/SB	250	6	183.7/61.9	44/-60	265/12.26.54	21:48.0	
		BB1 ISDR	85	1 99	15	1		117.64	27.30		FN0006/24	1			
		VARIABLE FEATURES													
21A127/017	17.29.58	SINGLE	60.0/ 75.0	0 .04	5/2	1	4	REC/UH	16K	12	273.7/23.8	324/-32	265/17:31.43	01:21.2	
		BB4 * SDR	378	376 2	0	0		92.55	43.87		FN0006/25	1			
		AFTERNOON HI-RES REC. MOSAIC													
21A128/017	17:49.58	SINGLE	157.5/182.5	-30 .04	0/2	1	4	REC/UH	16K	12	277.2/20.6	328/-28	265/17:51:43	02:14.5	
		BB2 * ISDR	629	626 3	0	0		60.43	50.59		FN0006/26	1			
		AFTERNOON HI-RES REC. MOSAIC													
21A129/018	08.58.55	SINGLE	15.0/ 65.0	-10 .04	5/2	1	4	RT/UH	16K	-19	108.7/42.1	158/-34	266/09:40.15	04:24.0	
		BB4 * ISDR	1218	0 0	33	3		89.12	54.72		FN0007/01	2			
		MORNING RTI HI-RES MOSAIC													
21A130/018	09.33.50	SINGLE	255.0/330.0	-10 .04	5/2	1	4	RT/UH	16K	2	117.2/47.3	165/-39	266/10:15:09	06:37.0	
		BB4 * ISDR	1860	0 0	16	1		101.09	61.42		FN0007/02	3			
		MORNING RTI HI-RES MOSAIC													
21A131/018	13.21.11	SINGLE	260.0/260.0	-40 .04	8/2	1	4	RT/SB	250	10	209.4/59.2	246/-61	266/14.02:30	11:48.0	
		BB1 ISDR	51	1 50	0	0		140.39	26.52		FN0007/03	1			
		VARIABLE FEATURES													

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS					
21A132/018	17:19	59	SINGLE 252.5/292.5	-50 .04	8/2	1	4	REC/UH	16K	12	271.8/25.3	322/-33	266/18:01:19	3:34.5	
			BB1 * ISDR 1002 1001 1	0	0	89.65	42.84	FN0007/04	2	AFTERNOON HI-RES COMP.-REC.					
22A133/018	17:24	59	SINGLE 285.0/315.0	-10 .04	13/2	1	4	REC/UH	16K	8	272.7/24.5	147/-32	266/18:06:19	02:41.2	
			BB3 ISDR 752 751 1	0	0	43.70	21.29	FN0007/05	1	AFTERNOON HI-RES MOSAIC-REC.					
21A134/018	17:29	59	SINGLE 30.0/ 60 0	-10 .04	5/2	1	4	REC/UH	16K	12	273 6/23.7	324/-31	266/18:11:19	02:41.2	
			BB4 * ISDR 746 0 0	5	2	33.49	45.25	FN0007/06	1	AFTERNOON HI-RES MOSAIC-REC.					
22A135/018	17:34	59	SINGLE 270 0/335.0	0 .04	5/2	1	4	REC/UH	16K	8	274.5/22.9	149/-31	266/18:16:19	05:47.8	
			BB4 * ISDR 1622 0 0	4	4	52.45	44.19	FN0007/07	2	AFTERNOON HI-RES MOSAIC-REC.					
22A136/019	08:57	30	SINGLE 10.0/ 60 0	0 .04	5/2	1	4	RT/UH	16K	-23	108.5/41.8	342/-33	267/10:18:25	04:24.0	
			BB4 * ISDR 1219 0 0	32	3	123.79	43.75	FN0007/08	2	AFTERNOON HI-RES MOSAIC-RTI					
22A137/019	09:32	24	SINGLE 57.5/132 5	-10 .04	5/2	1	4	RT/UH	16K	-2	117.0/47 0	349/-39	267/10:53:19	06:37.0	
			BB4 * ISDR 1860 0 0	16	1	101.78	57.06	FN0007/09	3	AFTERNOON HI-RES MOSAIC-RTI					
22A138/019	12:25	10	SINGLE 67.5/ 67 5	-10 .04	13/2	1	4	RT/SB	250	8	183.8/61.7	44/-60	267/13:46:05	21:48.0	
			BB3 SDR 93 1 94	2	1	127.84	28.37	FN0007/10	1	VARIABLE FEATURES					
21A139/019	17:19	59	SINGLE 75.0/125.0	0 .04	5/2	1	4	REC/UH	16K	12	271.8/25 2	322/-33	267/18:40:54	04:27.8	
			BB4 * ISDR 1252 1251 1	0	0	87.35	70.22	FN0007/11	2	AFTERNOON HI-RES REC. MOSAIC					
22A140/019	17:27	59	SINGLE 235.0/272.5	0 .04	5/2	1	4	REC/UH	16K	10	273.2/23.9	148/-32	267/18:48:54	03:21.2	
			BB4 * ISDR 934 0 0	5	2	104.12	59.09	FN0007/12	2	AFTERNOON HI-RES REC MOSAIC					
			BB4 ISDR 928 0 0	11	11	92.53	32.54	FN0007/13	0						
22A141/019	17:34	59	SINGLE 185 0/235 0	-10 .04	5/2	1	4	REC/UH	16K	10	274 4/22 8	149/-31	267/18:55:54	04:27.8	
			BB4 * ISDR 1240 0 0	11	11	92.53	32.54	FN0007/13	2	AFTERNOON HI-RES REC. MOSAIC					
21A142/019	17:41	59	SINGLE 125.0/165 0	10 .04	5/2	1	4	REC/UH	16K	12	275.6/21.6	326/-29	267/19:02:54	03:34.5	
			BB4 * ISDR 997 0 0	4	4	36.26	14.98	FN0007/14	2	AFTERNOON HI-RES REC. MOSAIC					
22A143/019	17:49	59	SINGLE 67.5/107.5	-10 .04	5/2	1	4	REC/UH	16K	10	277.0/20.3	152/-28	267/19:10:54	03:34.5	
			BB4 * ISDR 997 0 0	4	1	76.04	30.95	FN0007/15	2	AFTERNOON HI-RES REC. MOSAIC					

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF SEGMENTS		
22A144/020	08.56	13	COLOR	55.0/105.0	-30 .12	1/1	1 4	RT/UH	16K	-23	108.4/41.5	342/-33	268/10:56:43	04:24.0
			BLU * ISDR	412	0 0	6	1	88.80	56.79		FN0007/16	1		
			GRN * ISDR	408	0 0	10	4	94.91	56.84		FN0007/17	1		
			RED * ISDR	410	0 0	8	2	103.19	50.73		FN0007/18	1		
			RTI COLOR MOSAIC											
22A145/020	09.31	07	COLOR	10.0/85.0	-20 .12	1/1	1 4	RT/UH	16K	-2	116.8/46.8	349/-39	268/11:31:37	06:37.0
			BLU * ISDR	620	0 0	6	1	107.39	47.24		FN0007/19	1		
			GRN * ISDR	618	0 0	8	2	115.71	47.18		FN0007/20	1		
			RED * ISDR	619	0 0	7	1	122.97	41.35		FN0007/21	1		
			RTI COLOR MOSAIC											
21A146/020	13.21	10	SINGLE	260.0/260.0	-40 .04	8/2	1 4	RT/SB	250	10	209.3/58.9	246/-61	268/15:21:40	11:48.0
			BB1 ISDR	51	1 50	0	0	141.89	28.80		FN0007/22	1		
			VARIABLE FEATURES											
21A147/020	17.19	43	SINGLE	165.0/215.0	0 .04	5/2	1 4	REC/UH	16K	14	271.6/25.1	322/-33	268/19:20:13	04:27.8
			BB4 * ISDR	1252	1251 1	0	0	62.92	51.25		FN0007/23	2		
			EVENING HI-RES REC. MOSAIC											
22A148/020	17.29	43	SINGLE	107.5/185.0	-10 .04	5/2	1 4	REC/UH	16K	10	273.4/23.5	148/-31	268/19:30:13	06:54.5
			BB4 * ISDR	1925	0 0	14	11	104.71	29.85		FN0007/24	3		
			EVENING HI-RES REC. MOSAIC											
21A149/020	17.37	43	SINGLE	215.0/260.0	0 .04	5/2	1 4	REC/UH	16K	14	274.8/22.2	325/-30	268/19:38:13	04:01.2
			BB4 * ISDR	1118	0 0	8	8	95.23	45.00		FN0007/25	2		
			EVENING HI-RES REC. MOSAIC											
21A150/020	17:44:43		SINGLE	125.0/147.5	-10 .04	13/2	1 4	REC/UH	16K	14	276.0/21.1	327/-29	268/19:45:13	02:01.2
			BB3 * SDR	559	0 0	5	1	70.70	39.05		FN0007/26	1		
			EVENING HI-RES REC. MOSAIC											
21A151/020	17:49:43		SINGLE	260.0/282.5	-10 .04	5/2	1 4	REC/UH	16K	14	276.9/20.3	328/-28	268/19:50:13	02:01.2
			BB4 * SDR	565	564 1	0	0	88.07	32.48		FN0007/27	1		
			EVENING HI-RES REC. MOSAIC											
22A152/021	08:54	42	COLOR	170.0/220.0	0 .12	1/1	1 4	RT/UH	16K	0	108.2/41.2	342/-33	269/11:34:47	04:24.0
			BLU * ISDR	412	0 0	6	1	133.99	70.46		FN0008/01	1		
			GRN * ISDR	411	0 0	7	1	134.48	68.65		FN0008/02	1		
			RED * ISDR	411	0 0	7	1	136.70	65.08		FN0008/03	1		
			MORNING RTI COLOR MOSAIC											
22A153/021	09.29	38	COLOR	102.5/177.5	-30 .12	1/1	1 4	RT/UH	16K	-4	116.6/46.5	349/-38	269/12:09:43	06:37.0
			BLU * ISDR	620	0 0	6	1	62.93	35.19		FN0008/04	1		
			GRN * ISDR	619	0 0	7	1	67.37	36.03		FN0008/05	1		
			RED * ISDR	618	0 0	8	2	82.08	41.62		FN0008/06	1		
			MORNING RTI COLOR MOSAIC											

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS				
22A154/021	10:10	58	SINGLE 115.0/125.0	-30 .04	0/2	1	4	REC/UH	16K	0	128.3/52.2	359/-44	269/12:51:04	00:54.5
			BB2 * ISDR 252 251 1		0	0		72.59	33.31		FN0008/07	1		
			COLL. HEAD TOUCHDOWN GCMS SITE											
22A155/021	10:14	18	SINGLE 115.0/125.0	-30 .04	0/2	1	4	REC/UH	16K	2	129.3/52.6	359/-45	269/12:54:24	00:54.5
			BB2 * ISDR 254 251 3		0	0		73.35	33.80		FN0008/08	1		
			BOOM RETRACT AFTER TOUCHDOWN											
22A156/021	10:18	18	SINGLE 115.0/125.0	-30 .04	0/2	1	4	REC/UH	16K	2	130.6/53.1	0/-46	269/12:58:24	00:54.5
			BB2 * ISDR 252 251 1		0	0		73.37	33.53		FN0008/09	1		
			BOOM POS. AFTER ACQUISITION											
21A157/021	10:37	40	SINGLE 10.0/40.0	-20 .12	14/3	1	4	REC/UH	16K	4	137.1/55.4	182/-48	269/13:17:46	00:54.5
			SURV ISDR 252 251 1		0	0		67.42	43.64		FN0008/10	1		
			COLL. HEAD INVERTED OVER GCMS											
22A158/021	12:17	02	COLOR 155.0/327.5	0 .12	1/1	1	4	RT/UH	16K	0	180.0/61.4	41/-59	269/14:57:08	15:20.0
			BLU * SDR 1436 0 0		2	3		131.44	68.06		FN0008/11	2		
			GRN * ISDR 1437 0 0		3	1		128.97	63.55		FN0008/12	2		
			RED * ISDR 1436 0 0		3	2		125.17	56.30		FN0008/13	2		
			VO-1 TEST, PHOTOMETRICS											
22A159/021	12:32	38	IR 155.0/327.5	0 .12	9/1	1	4	RT/UH	16K	12	187.5/61.3	48/-60	269/15:12:44	15:20.0
			IR3 SDR 1437 0 0		2	1		108.24	50.56		FN0008/14	2		
			IR2 SDR 1436 0 0		3	1		103.90	48.40		FN0008/15	2		
			IR1 * SDR 1436 0 0		3	1		103.10	48.01		FN0008/16	2		
			VO-1 TEST, PHOTOMETRICS											
22A160/021	12:49	52	SINGLE 155.0/327.5	0 .12	14/3	1	4	RT/UH	16K	14	195.6/60.7	56/-60	269/15:29:58	05:10.0
			SURV SDR 1453 1439 14		0	0		121.08	58.28		FN0008/17	2		
			VO-1 TEST, PHOTOMETRICS											
21A161/021	17:29	42	SINGLE 282.5/302.5	-10 .04	5/2	1	4	REC/UH	16K	12	273.3/23.4	324/-31	269/20:09:47	01:47.9
			BB4 * SDR 502 501 1		0	0		115.76	27.56		FN0008/18	1		
			AFTERNOON HI-RES REC. MOSAIC											
22A162/021	17:39	59	SINGLE 115.0/125.0	-30 .04	0/2	1	4	REC/UH	16K	10	275.1/21.7	150/-29	269/20:20:04	00:54.5
			BB2 * ISDR 254 251 3		0	0		85.22	31.62		FN0008/19	1		
			GCMS SAMPLE TRENCH											
22A163/021	17:54	59	SINGLE 127.5/157.5	-30 .04	0/2	1	4	REC/UH	16K	10	277.7/19.3	152/-27	269/20:35:04	02:41.2
			BB2 * ISDR 744 0 0		7	4		72.66	37.24		FN0008/20	1		
			AFTERNOON HI-RES REC. MOSAIC											
21A164/022	07 09	59	SINGLE 142.5/250.0	0 .04	5/2	1	4	REC/UH	16K	-8	87.8/24.3	139/-16	270/10:29:40	09:34.5
			BB4 * ISDR 2683 0 0		6	2		107.05	40.32		FN0009/01	4		
			EARLY MORN. HI-RES REC MOSAIC											

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS					
22A165/022	08 53 46	COLOR	212.5/262.5	10 .12	1/1	1	4	RT/UH	16K	-4	108.1/41.0	342/-32	270/12:13:26	04:24.0	
		BLU * ISDR	407	0 0	11	3	132.78	56.77			FN0009/02	1			
		GRN * ISDR	407	0 0	11	3	127.11	55.00			FN0009/03	1			
		RED * ISDR	407	0 0	11	3	118.85	53.43			FN0009/04	1			
		RTI COLOR MOSAIC													
22A166/022	09:28 42	COLOR	260.0/335.0	-10 .12	1/1	1	4	RT/UH	16K	-4	116.5/46.3	349/-38	270/12:48:23	06:37.0	
		BLU * ISDR	620	0 0	6	1	104.49	52.81			FN0009/05	1			
		GRN * ISDR	619	0 0	7	1	106.43	52.68			FN0009/06	1			
		RED * ISDR	619	0 0	7	1	111.33	52.49			FN0009/07	1			
		RTI COLOR MOSAIC													
21A167/022	13:20 54	SINGLE	260.0/260.0	-40 .04	8/2	1	4	RT/SB	250	10	209.2/58.6	246/-60	270/16:40:34	11:48.0	
		BB1 ISDR	53	1 52	0	0	141.45	32.49			FN0009/08	1			
		VARIABLE FEATURES													
21A168/022	17 29 42	SINGLE	302.5/335.0	-10 .04	5/2	1	4	REC/UH	16K	12	273.2/23.3	324/-31	270/20:49:23	02:54.5	
		BB4 * ISDR	815	814 1	0	0	124.49	19.43			FN0009/09	1			
		EVENING HI-RES MOSAIC													
21A169/022	18:06 16	SINGLE	150.0/155.0	30 .04	4/2	1	3	REC/UH	16K	12	279.6/17.3	330/-25	270/21:25:57	00:27.9	
		SUN ISDR	127	126 1	0	0	30.14	20.29			FN0009/10	1			
		SOLAR EXTINCTION													
21A170/022	18 40 01	SINGLE	155.0/160.0	30 .04	4/2	1	3	REC/UH	16K	12	285.4/12.0	336/-20	270/21:59:42	00:27.9	
		SUN SDR	127	126 1	0	0	34.93	20.05			FN0009/11	1			
		SOLAR EXTINCTION													
21A171/022	19.58.42	COLOR	175.0/175.0	10 .12	1/1	1	5	REC/UH	250	8	299.1/0.1	350/-7	270/23:18:23	24:01.2	R
		BLU * ISDR	36	2 36	1	1	103.80	62.68			FN0009/12	1			
		GRN ISDR	37	2 36	0	0	106.44	63.63			FN0009/13	1			
		RED ISDR	37	2 36	0	0	97.06	58.18			FN0009/14	1			
		TWILIGHT RESCAN													
21A172/022	20:24 17	COLOR	177.5/177.5	10 .12	1/1	1	2	REC/UH	250	8	303.8/-3.5	355/-3	270/23:43:57	24:01.2	R
		BLU * ISDR	37	2 37	1	1	53.29	43.51			FN0009/15	1			
		GRN ISDR	37	2 37	1	1	58.04	49.00			FN0009/16	1			
		RED ISDR	37	2 37	1	1	70.49	59.15			FN0009/17	1			
		TWILIGHT RESCAN													
21A173/022	20:49 52	COLOR	182.5/182.5	10 .12	1/1	1	1	REC/UH	250	8	308.6/-6.8	359/-0	271/00:09:32	24:01.2	R
		BLU * ISDR	34	2 34	1	1	92.32	46.28			FN0009/18	1			
		GRN ISDR	35	2 34	0	0	96.65	48.98			FN0009/19	1			
		RED ISDR	35	2 34	0	0	98.31	46.64			FN0009/20	1			
		TWILIGHT RESCAN													

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A174/023	06:49:41	SINGLE	262.5/305.0	-30 .04	0/2	1	4	REC/UH	16K	-6	84.3/20.9	136/-12	271/10:48:57	03:47.8	
		BB2 * ISDR	1064	1064	1	1	1	40.29	16.43		FN0010/01	2			
		EARLY MORNING HI-RES MOSAIC													
21A175/023	06:53:29	SINGLE	170.0/170.0	0 0	7/7	1	2	REC/UH	16K	-6	/	/	271/10:52:44	0:18.0	
		CAL SDR	59	0 0	0	0	0	.00	.00		FN0010/02	1			
		CALIBRATION													
22A176/023	06:59:41	SINGLE	115.0/162.5	-50 .04	8/2	1	4	REC/UH	16K	-10	86.1/22.5	321/-14	271/10:58:57	4:14.5	
		BB1 * ISDR	1183	0 0	6	2	2	41.88	18.74		FN0010/03	2			
		EARLY MORNING HI-RES COMPOSITE													
22A177/023	07:03:55	SINGLE	170.0/170.0	0 0	7/7	1	2	REC/UH	16K	-10	/	/	271/11:03:11	0:18.0	
		CAL SDR	61	0 0	0	0	0	.00	.00		FN0010/04	1			
		CALIBRATION													
22A178/023	07:09:41	SINGLE	77.5/127.5	-30 .04	0/2	1	4	REC/UH	16K	-10	87.8/24.2	323/-16	271/11:08:57	04:27.8	
		BB2 * ISDR	1252	1251	1	0	0	46.24	22.35		FN0010/05	2			
		EARLY MORNING HI-RES MOSAIC													
21A179/023	08:52:36	COLOR	285.0/335.0	-30 .12	1/1	1	4	RT/UH	16K	-13	108.0/40.7	158/-32	271/12:51:51	04:24.0	
		BLU * ISDR	404	0 0	14	2	2	52.16	33.64		FN0010/06	1			
		GRN * ISDR	403	0 0	15	2	2	53.79	34.41		FN0010/07	1			
		RED * ISDR	404	0 0	14	2	2	57.61	40.25		FN0010/08	1			
		COLOR MOSAIC													
21A180/023	09:27:32	COLOR	225.0/300.0	-30 .12	1/1	1	4	RT/UH	16K	2	116.4/46.0	165/-38	271/13:26:48	06:37.0	
		BLU * ISDR	620	0 0	6	1	1	72.54	36.34		FN0010/09	1			
		GRN * ISDR	619	0 0	7	1	1	78.91	37.52		FN0010/10	1			
		RED * ISDR	619	0 0	7	1	1	89.15	41.86		FN0010/11	1			
		COLOR MOSAIC													
21A181/023	11:09:59	SINGLE	55.0/60.0	-10 .12	14/3	1	4	REC/UH	16K	8	149.8/58.3	192/-52	271/15:09:15	00:10.1	
		SURV SDR	44	43	0	0	0	130.32	67.77		FN0010/12	1			
		RTC-SURVEY 7 CHANNEL													
21A182/023	11:11:59	COLOR	55.0/60.0	-10 .12	1/1	1	4	REC/UH	16K	8	150.6/58.5	192/-53	271/15:11:15	00:27.9	
		BLU SDR	42	0 0	1	1	1	119.48	72.92		FN0010/13	1			
		GRN SDR	41	0 0	2	1	1	123.65	72.69		FN0010/14	1			
		RED SDR	41	0 0	2	1	1	130.29	66.43		FN0010/15	1			
		RTC-COLOR 7 CHANNEL													
21A183/023	11:13:59	IR	55.0/60.0	-10 .12	9/1	1	4	REC/UH	16K	8	151.5/58.6	193/-53	271/15:13:15	00:27.9	
		IR3 SDR	42	0 0	1	1	1	119.90	59.11		FN0010/16	1			
		IR2 SDR	41	0 0	2	1	1	116.67	57.96		FN0010/17	1			
		IR1 SDR	41	0 0	2	1	1	126.09	62.91		FN0010/18	1			
		RTC-IR 7 CHANNEL													

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
		DATA TOTAL		RESCAN	LINES			AVE DN	STAND	EDR		# OF EDR		
		RECORD	LINE	BEGIN/TOTAL	MISSED	GAPS		VALUE	DEV	TAPE/FILE	SEGMENTS			
22A184/023	11:15.59	SINGLE SURV	285 0/290.0	-10 .12	14/3	1	4	REC/UH	16K	2 152	3/58.8	18/-53	271/15:15:15	00:10.1
		RTC-SURVEY 7 CHANNEL	SDR 44	43 1	0	0		88.44	53.41		FNO010/19	1		
22A185/023	11:17.59	COLOR BLU	285.0/290.0	-10 .12	1/1	1	4	REC/UH	16K	2 153	1/58.9	18/-53	271/15:17:15	00:27.9
		RTC-COLOR 7 CHANNEL	ISDR 42	0 0	1	1		87.04	57.48		FNO010/20	1		
			GRN ISDR 41	0 0	2	1		88.20	58.25		FNO010/21	1		
			RED ISDR 41	0 0	2	1		93.50	56.51		FNO010/22	1		
22A186/023	11:19.59	IR IR3	285 0/290.0	-10 .12	9/1	1	4	REC/UH	16K	2 154.0/59	1	19/-53	271/15:19:15	00:27.9
		RTC-IR 7 CHANNEL	SDR 42	0 0	1	1		75.85	42.37		FNO010/23	1		
			IR2 SDR 41	0 0	2	1		72.95	40.82		FNO010/24	1		
			IR1 SDR 41	0 0	2	1		75.39	42.92		FNO010/25	1		
21A187/023	12:14.55	COLOR BLU *	202.5/282.5	-30 .12	1/1	1	4	RT/UH	16K	10 179.1/61.2	216/-59	271/16:14:11	07:07.0	
		VO-1 TEST LINK	ISDR 666	0 0	2	1		103.47	30.88		FNO010/26	1		
			GRN * ISDR 666	0 0	2	1		116.24	33.43		FNO010/27	1		
			RED * ISDR 665	0 0	3	2		127.26	34.39		FNO010/28	1		
21A188/023	12:22.18	IR IR3	202.5/282.5	-30 .12	9/1	1	4	RT/UH	16K	12 182	7/61.1	219/-59	271/16:21:34	07:07.0
		VO-1 TEST LINK	ISDR 666	0 0	2	1		108.01	29.01		FNO010/29	1		
			IR2 ISDR 666	0 0	2	1		103.59	28.05		FNO010/30	1		
			IR1 * ISDR 666	0 0	2	1		117.91	31.62		FNO010/31	1		
21A189/023	12:29.41	SINGLE SURV	202 5/282.5	-30 .12	14/3	1	4	RT/UH	16K	14 186.2/61.1	223/-59	271/16:28:57	02:23.0	
		VO-1 TEST LINK	ISDR 670	668 2	0	0		132.21	36.01		FNO010/32	1		
22A190/023	12:33.58	COLOR BLU *	75.0/165.0	-30 .12	1/1	1	4	RT/UH	16K	6 188	2/61.0	48/-60	271/16:33:14	08:00.0
		VO-1 TEST LINK	ISDR 749	0 0	2	1		93.09	34.33		FNO010/33	1		
			GRN * ISDR 749	0 0	2	1		104.56	35.41		FNO010/34	1		
			RED * ISDR 749	0 0	2	1		130.16	37.48		FNO010/35	1		
22A191/023	12:42.14	IR IR3	75.0/165.0	-30 .12	9/1	1	4	RT/UH	16K	6 192.1/60.7	52/-60	271/16:41:30	08:00.0	
		VO-1 TEST LINK	ISDR 749	0 0	2	1		105.23	29.27		FNO010/36	1		
			IR2 ISDR 749	0 0	2	1		100.08	27.87		FNO010/37	1		
			IR1 * ISDR 745	0 0	2	1		107.17	29.10		FNO010/38	1		
22A192/023	12:50.30	SINGLE SURV	75.0/165.0	-30 .12	14/3	1	4	RT/UH	16K	8 195.9/60.4	56/-60	271/16:49:46	02:40.0	
		VO-1 TEST LINK	ISDR 749	0 0	2	1		121.44	34.51		FNO010/39	1		

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS				
21A193/024	06.59	59	SINGLE 305.0/322.5	-40 .04	0/2	1	4	REC/UH	16K	-6	86.3/22.5	138/-14	272/11:38:50	01:34.5	
			BB2 * SDR 440	439 1	0	0		37 78	14.11		FN0011/01	1			
			EARLY MORNING HI-RES MOSAIC												
21A194/024	08.52	00	COLOR 147.5/197.5	0 .12	1/1	1	4	RT/UH	16K	2	108.1/40.6	158/-32	272/13:30:51	04:24.0	
			BLU * ISDR 402	0 0	16	3		118 30	35 44		FN0011/02	1			
			GRN * ISDR 403	0 0	15	2		127.88	34 54		FN0011/03	1			
			RED * ISDR 402	0 0	16	3		125.20	34.22		FN0011/04	1			
			MORNING COLOR MOSAIC												
21A195/024	09:26	56	COLOR 162.5/237.5	-30 .12	1/1	1	4	RT/UH	16K	4	116.4/45.8	165/-38	272/14:05:47	06:37.0	
			BLU * ISDR 619	0 0	7	1		89.99	35.35		FN0011/05	1			
			GRN * ISDR 619	0 0	7	1		98.94	38 59		FN0011/06	1			
			RED * ISDR 619	0 0	7	1		107.78	45.01		FN0011/07	1			
			MORNING COLOR MOSAIC												
21A196/024	10:09	59	COLOR 55.0/ 60 0	-10 .12	1/1	1	4	REC/UH	16K	8	128.5/51.8	175/-44	272/14:48:50	00:27.9	
			BLU SDR 42	0 0	1	1		128.22	68 45		FN0011/08	1			
			GRN SDR 41	0 0	2	1		127.17	66 56		FN0011/09	1			
			RED SDR 41	0 0	2	1		124.85	59.17		FN0011/10	1			
			RTC-COLOR												
21A197/024	14.33	11	SINGLE 260 0/260.0	-40 .04	8/2	1	4	RT/SB	250	12	234.5/50.4	277/-56	272/19:12:02	11:48.0	
			BB1 ISDR 50	1 50	1	1		135.91	29.80		FN0011/11	1			
			VARIABLE FEATURES												
22A198/025	02:06	31	SINGLE 250.0/255.0	30 .04	1/2	1	2	REC/UH	16K	-12	31 3/ -17	263/ 20	273/07:24:58	00 27.9	
			BLU SDR 127	126 1	0	0		31.44	2.91		FN0012/01	1			
			PHOBOS												
22A199/025	02:41	31	SINGLE 225.0/230.0	30 .04	1/2	1	1	REC/UH	16K	-12	39.0/ -14	272/ 18	273/07:59:58	00.27.9	
			BLU ISDR 127	126 1	0	0		69.00	5.37		FN0012/02	1			
			PHOBOS												
22A200/025	03:26	31	SINGLE 195.0/200.0	20 .04	1/2	1	1	REC/UH	16K	-12	48.2/ -9 2	282/ 14	273/08:44:58	00:27.9	
			BLU SDR 127	126 1	0	0		73.03	6.24		FN0012/03	1			
			PHOBOS												
22A201/025	05:21	31	SINGLE 122.5/127.5	10 .04	4/2	1	2	REC/UH	16K	-13	69.4/ 6.8	304/ 0	273/10:39:58	00:27.9	
			SUN SDR 127	126 1	0	0		31.03	.73		FN0012/04	1			
			SOLAR EXTINCTION												
22A202/025	06.06	31	SINGLE 130.0/135 0	10 .04	4/2	1	3	REC/UH	16K	-13	77.1/13.8	312/ *6	273/11:24:58	00:27.9	
			SUN SDR 127	126 1	0	0		24.56	6.41		FN0012/05	1			
			SOLAR EXTINCTION												

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS		
22A203/O25	06:46.31	SINGLE SUN SOLAR EXTINCTION	137.5/142.5 SDR 127	20 126	.04 1	4/2 0	1 0	3 26.02	REC/UH 16K 12.28	-12	84.0/20.3 FN0012/06	319/-12 1	273/12:04:58	00:27.9
21A204/O25	06:54.58	SINGLE BB4 * MORNING HI-RES MOSAIC	27.5/62.5 ISDR 868	-10 0	.04 0	5/2 8	1 5	4 55.99	REC/UH 16K 38.69	-8	85.5/21.6 FN0012/07	137/-13 1	273/12:13:25	03:07.8
22A205/O25	06:59.58	SINGLE BB1 * MORNING HI-RES COMPOSITE	52.5/110.0 ISDR 1437	-50 0	.04 0	8/2 2	1 1	4 63.72	REC/UH 16K 41.82	-12	86.4/22.4 FN0012/08	322/-14 2	273/12:18:25	5: 7.8
22A206/O25	07:06.58	SINGLE BB3 * MORNING HI-RES MOSAIC	127.5/192.5 ISDR 1621	-30 0	.04 0	13/2 5	1 2	4 59.59	REC/UH 16K 39.30	-12	87.6/23.6 FN0012/09	323/-15 2	273/12:25:25	05:47.8
22A207/O25	07:14.58	SINGLE BB3 * MORNING HI-RES MOSAIC	265.0/307.5 ISDR 1066	-10 1064	.04 3	13/2 1	1 1	4 80.87	REC/UH 16K 43.33	-10	89.1/24.9 FN0012/10	324/-16 2	273/12:33:25	03:47.8
21A208/O25	08:53.42	COLOR BLU * GRN * RED * MORNING COLOR MOSAIC	112.5/162.5 ISDR 412 ISDR 411 ISDR 411	5 0 0 0	-12 0 0 0	1/1 6 7 7	1 1 1 1	4 123.80 130.82 134.21	RT/UH 16K 43.54 40.37 44.64	-21	108.6/40.7 FN0012/11 FN0012/12 FN0012/13	158/-32 1 1 1	273/14:12:08	04:24.0
21A209/O25	09:28.38	COLOR BLU * GRN * RED * MORNING COLOR MOSAIC	195.0/270.0 ISDR 620 ISDR 619 ISDR 619	10 0 0 0	.12 0 0 0	1/1 6 7 7	1 1 1 1	4 106.35 111.36 104.20	RT/UH 16K 46.94 47.34 41.37	2	117.0/46.0 FN0012/14 FN0012/15 FN0012/16	165/-38 1 1 1	273/14:47:04	06:37.0
21A210/O25	12:12.02	COLOR BLU * GRN * RED * VO-1 TEST LINK	25.0/65.0 ISDR 332 ISDR 332 ISDR 330	0 0 0 0	.12 0 0 0	1/1 2 2 4	1 1 1 2	4 97.86 118.72 124.86	RT/UH 16K 64.09 75.58 69.11	10	177.9/60.9 FN0012/17 FN0012/18 FN0012/19	215/-58 1 1 1	273/17:30:28	03:33.0
21A211/O25	12:15.51	IR IR3 IR2 IR1 * VO-1 TEST LINK	25.0/65.0 ISDR 332 ISDR 332 ISDR 331	-10 0 0 0	.12 0 0 0	9/1 2 2 3	1 1 1 1	4 120.82 117.31 124.96	RT/UH 16K 64.83 63.32 68.48	12	179.7/60.9 FN0012/20 FN0012/21 FN0012/22	217/-58 1 1 1	273/17:34:17	03:33.0
21A212/O25	12:19.40	SINGLE SURV VO-1 TEST LINK	25.0/65.0 ISDR 331	-10 0	.12 0	14/3 3	1 1	4 125.57	RT/UH 16K 72.15	12	181.5/60.9 FN0012/23	218/-59 1	273/17:38:06	01:11.0

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION /DUST	RSCN
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS				
21A213/025	12:22:45	COLOR	120 0/250.0	-20 .12	1/1	1	4	RT/UH	16K	14	183 0/60.9	220/-59	273/17:41:11	11:33.0	
		BLU * ISDR	1082	0 0	2	1	103.12	41.02			FN0012/24	2			
		GRN * ISDR	1082	0 0	2	1	112.21	43.57			FN0012/25	2			
		RED * ISDR	1081	0 0	3	1	118.77	42.66			FN0012/26	2			
		VO-1 TEST LINK													
21A214/025	12:34:34	IR	120.0/250.0	-20 .12	9/1	1	4	RT/UH	16K	16	188 6/60.7	225/-59	273/17:53:00	11:33.0	
		IR3	SDR 1082	0 0	2	1	105.90	38.32			FN0012/27	2			
		IR2	SDR 1082	0 0	2	1	101.01	36.92			FN0012/28	2			
		IR1 *	SDR 1081	0 0	3	1	109.92	40.02			FN0012/29	2			
		VO-1 TEST LINK													
21A215/025	12:46:23	SINGLE	120.0/250.0	-20 .12	14/3	1	4	RT/UH	16K	20	194 0/60.3	230/-60	273/18:04:49	03:51.0	
		SURV	ISDR 1081	0 0	3	1	122.24	46.62			FN0012/30	2			
		VO-1 TEST LINK													
21A216/025	17:29:59	SINGLE	260 0/285.0	-20 .04	13/2	1	4	REC/UH	16K	14	273 1/22.9	323/-31	273/22:48:25	02:14.5	
		BB3 *	SDR 626	626 1	0	0	83.21	32.90			FN0012/31	1			
		EVENING HI-RES MOSAIC													
21A217/026	08:52:50	COLOR	77 5/127.5	10 .12	1/1	1	4	RT/UH	16K	0	108 6/40.5	158/-32	274/14:50:52	04:24.0	
		BLU * ISDR	412	0 0	6	1	106.95	51.48			FN0013/01	1			
		GRN * ISDR	411	0 0	7	1	111.27	52.73			FN0013/02	1			
		RED * ISDR	411	0 0	7	1	110.94	53.91			FN0013/03	1			
		MORNING COLOR MOSAIC													
21A218/026	09:27:47	COLOR	15 0/ 90.0	0 .12	1/1	1	4	RT/UH	16K	4	116 9/45.8	165/-38	274/15:25:48	06:37.0	
		BLU * ISDR	620	0 0	6	1	109.22	67.47			FN0013/04	1			
		GRN * ISDR	619	0 0	7	1	109.87	67.33			FN0013/05	1			
		RED * ISDR	619	0 0	7	1	112.62	64.32			FN0013/06	1			
		MORNING COLOR MOSAIC													
21A219/026	13:15:11	SINGLE	260.0/260.0	-40 .04	8/2	1	4	RT/SB	250	10	206 7/58.5	244/-60	274/19:13:12	11:48.0	
		BB1	ISDR 51	1 50	0	0	142.30	26.55			FN0013/07	1			
		VARIABLE FEATURES													
22A220/027	06:59:59	SINGLE	117.5/215.0	-10 .04	5/2	1	4	REC/UH	16K	-13	86 7/22.3	322/-14	275/13:37:36	08:41.1	
		BB4 *	ISDR 2434	0 0	5	2	65.60	60.66			FN0013/08	4			
		MORNING HI-RES MOSAIC													
21A221/027	12:06:16	SINGLE	122 5/250.0	0 .04	5/2	1	4	RT/UH	16K	8	175 4/60.5	213/-57	275/18:43:53	11:18.0	
		BB4 *	ISDR 2456	0 0	730	3	136.85	46.19			FN0013/09	5			
		NOON RTI HI-RES MOSAIC													
21A222/027	12:44:01	SINGLE	250.0/295.0	-10 .04	5/2	1	4	RT/UH	16K	10	193.0/60.1	229/-59	275/19:21:37	03:49.0	
		BB4 *	ISDR 1072	0 0	54	1	142.34	39.64			FN0013/10	2			
		NOON RTI HI-RES MOSAIC													

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TCTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS				
22A223/028	06:54 59	SINGLE BB4 * MORNING HI-RES MOSAIC	215.0/325.0 ISDR 2746	0 0	.04 0	5/2 5	1 2	4 105.80	REC/UH 16K 40.60	-13	85 9/21.4 FN0013/11	321/-13 4	276/14:12:11	09:47.8
21A224/028	09:03 11	SINGLE SURV BOOM POSITION	322.5/330.0 ISDR 50	-30 0	.12 0	14/3 14	1 1	4 62.24	RT/SB 250 45.10	-4	111.3/42.0 FN0013/12	161/-34 1	276/16:20:23	11:48.0
21A225/028	12:07 28	SINGLE BB3 * NOON RTI HI-RES MOSAIC	130 0/260.0 ISDR 3176	-20 0	.04 0	13/2 75	1 2	4 131.94	RT/UH 16K 40.56	8	176.0/60.4 FN0013/13	214/-57 5	276/19:24:35	11:18.0
21A226/028	12 45 08	SINGLE BB4 * NOON RTI HI-RES MOSAIC	290.0/335.0 ISDR 1072	-10 0	.04 0	5/2 54	1 1	4 148.52	RT/UH 16K 51.06	10	193.5/59 9 FN0013/14	230/-59 2	276/20:02:20	03:49.0
21A227/028	16 11. 13	SINGLE BB2 * SAMPLE TRENCH	230.0/240.0 SDR 252 251	-20 251	.04 1	0/2 0	1 0	4 84.18	REC/UH 16K 30.77	12	258 0/35 3 FN0013/15	306/-42 1	276/23:28:25	00:54.5
21A228/028	16:29. 13	SINGLE SURV COLLECTOR HEAD OVER PDA	7.5/ 17.5 SDR 86 84	-30 84	.12 2	14/3 0	1 0	4 73.95	REC/UH 16K 36.55	12	261 6/32.4 FN0013/16	311/-40 1	276/23:46:25	00:19.0
21A229/028	17:46. 27	SINGLE BB2 * BACKHOE/PURGE SITE	290.0/300.0 SDR 252 251	-30 251	.04 1	0/2 0	1 0	4 81.53	REC/UH 16K 35.01	12	275.7/19.8 FN0013/17	326/-28 1	277/01:03:39	00:54.5
21A230/028	18.04 59	SINGLE BB2 * SAMPLE TRENCH	230.0/240.0 SDR 252 251	-20 251	.04 1	0/2 0	1 0	4 45.47	REC/UH 16K 17 64	12	278.9/16.8 FN0013/18	330/-25 1	277/01:22:11	00:54.5
21A231/028	18.18 11	SINGLE SUN SUN (NON-NOMINAL COMMAND)	152.5/155.0 SDR 65 64	30 64	.04 1	4/2 0	1 0	3 32.16	REC/UH 16K 18.77	12	281.2/14.7 FN0013/19	332/-22 1	277/01:35:23	00:14.5
21A232/028	19:03 11	SINGLE SUN SUN (NON-NOMINAL COMMAND)	160.0/162.5 SDR 65 64	20 64	.04 1	4/2 0	1 0	2 34.74	REC/UH 16K 2.72	10	289.0/ 7 6 FN0013/20	340/-15 1	277/02:20:23	00:14.5
22A233/029	03:03 11	SINGLE BLU PHOBOS (NON-NOMINAL COMMAND)	265 0/270 0 SDR 127 126	20 126	.04 1	1/2 0	1 0	1 68.54	REC/UH 16K 5.32	-13	43.9/-12 FN0014/01	277/ 17 1	277/10:59:58	00:27.9
22A234/029	03:18 11	SINGLE BLU PHOBOS (NON-NOMINAL COMMAND)	255.0/260.0 SDR 122 0	20 0	.04 0	1/2 4	1 1	1 69.43	REC/UH 16K 6.24	-12	47.0/-10 FN0014/02	280/ 15 1	277/11:14:58	00:27.9

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22A235/029	03:43.1'	SINGLE BLU PHOBOS	237.5/242.5 SDR 125 (NON-NOMINAL COMMAND)	30 0 0	.04 0 0	1/2 1	1 1	REC/UH 70.01	16K 6.09	-13	51.9/-7.5 FN0014/03	286/13 1	277/11:39:58	00:27.9	
22A236/029	06:44.59	SINGLE BB4 * MORNING HI-RES MOSAIC	60.0/117.5 SDR 1437	-10 0 0	.04 0 0	5/2 2	1 1	REC/UH 47.94	16K 43.09	-13	84.3/19.7 FN0014/04	320/-11 2	277/14:41:46	05:07.8	
21A237/029	12:05.4'	SINGLE BB4 * NOON RTI HI-RES MOSAIC	10.0/140.0 ISDR 3177	0 0 0	.04 0 0	5/2 74	1 1	RT/UH 111.82	16K 65.52	8	175.3/60.3 FN0014/05	213/-57 5	277/20:02:28	11:18.0	
21A238/029	12:43.26	SINGLE BB4 * NOON RTI HI-RES MOSAIC (RTC)	30.0/75.0 ISDR 902	-20 0 0	.04 0 0	5/2 224	1 2	RT/UH 73.98	16K 53.36	12	192.8/59.8 FN0014/06	229/-59 2	277/20:40:13	03:13.0	
22A239/029	13:40.38	SINGLE BB2 * COLLECTOR HEAD IN CONTACT	115.0/125.0 SDR 252 251	-30 251 1	.04 1 1	0/2 0	1 0	REC/UH 114.40	16K 38.93	6	216.7/55.9 FN0014/07	79/-59 1	277/21:37:25	00:54.5	
22A240/029	13:57.07	SINGLE SURV COLLECTOR HEAD OVER XRF5	307.5/332.5 SDR 211 209	-30 209 2	.12 2 2	14/3 0	1 0	REC/UH 55.54	16K 34.00	8	222.6/54.2 FN0014/08	87/-58 1	277/21:53:54	00:45.6	
21A241/029	14:07.26	SINGLE BB2 * BACKHOE/PURGE SITE	290.0/300.0 SDR 252 251	-30 251 1	.04 1 1	0/2 0	1 0	REC/UH 116.93	16K 50.82	16	226.1/53.0 FN0014/09	267/-57 1	277/22:04:13	00:54.5	
22A242/029	14:19.59	SINGLE BB2 * SAMPLE SITE AFTER DIG	115.0/125.0 SDR 252 251	-30 251 1	.04 1 1	0/2 0	1 0	REC/UH 133.94	16K 26.97	8	230.1/51.5 FN0014/10	96/-56 1	277/22:16:46	00:54.5	
22A243/030	06:44.59	SINGLE BB1 * MORNING HI-RES COMP. -GORE FILL	110.0/115.0 ISDR 122	-50 0 0	.04 0 0	8/2 4	1 1	REC/UH 38.43	16K 15.24	-13	84.4/19.6 FN0014/11	320/-11 1	278/15:21:22	00:27.9	
21A244/030	09:21.10	SINGLE SURV BOOM POSITION AFTER SOL 29 SEQ	322.5/330.0 ISDR 49	-30 0 0	.12 0 0	14/3 15	1 2	RT/SB 64.56	250 47.26	0	116.0/44.5 FN0014/12	165/-36 1	278/17:57:33	11:48.0	
22A245/030	10:57.08	SINGLE SURV COLLECTOR HEAD OVER XRF5	307.5/332.5 ISDR 208	-30 0 0	.12 0 0	14/3 1	1 1	REC/UH 113.61	16K 55.99	0	145.8/56.4 FN0014/13	13/-50 1	278/19:33:30	00:45.6	
21A246/030	11:07.27	SINGLE BB2 * BACKHOE/PURGE SITE	290.0/300.0 ISDR 250	-30 0 0	.04 0 0	0/2 1	1 1	REC/UH 88.97	16K 37.58	6	149.9/57.3 FN0014/14	192/-51 1	278/19:43:49	00:54.5	

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- RSCN TION /DUST
			DATA TOTAL	RESCAN	LINES			AVE DN	STAND		EDR	# OF EDR		
			RECORD LINES	BEGIN/TOTAL	MISSED	GAPS	VALUE	DEV			TAPE/FILE	SEGMENTS		
22A247/030	11:18.10	SINGLE BB2 *	115.0/125.0 SDR 253	-30 251	.04 2	0/2 0	1 0	4 92.26	REC/UH 34.27	16K	2 154.3/58.1 FN0014/15	20/-53 1	278/19:54.32	00:54.5
SAMPLE SITE AFTER DIG														
21A248/030	11:31:04	SINGLE BB2 *	282 5/292 5 SDR 253	-30 251	.04 2	0/2 0	1 0	4 96.75	REC/UH 38.19	16K	8 159.7/58.9 FN0014/16	200/-54 1	278/20:07.26	00:54.5
COLLECTOR HEAD ON ROCK														
22A249/030	11:32 47	SINGLE BB2 *	90.0/100 0 SDR 250	-30 0	.04 0	0/2 1	1 1	4 101.09	REC/UH 35.53	16K	2 160 5/59 0 FN0014/17	25/-54 1	278/20:09:09	00:54.5
STEREO TO 21A248														
21A250/030	11:36 04	SINGLE BB2 *	282 5/292 5 ISDR 250	-30 0	.04 0	0/2 1	1 1	4 102.65	REC/UH 35.40	16K	8 161.9/59.2 FN0014/18	202/-54 1	278/20:12.26	00:54.5
ROCK AFTER NUDGE														
22A251/030	11:37 47	SINGLE BB2 *	90 0/100 0 SDR 252	-30 251	.04 1	0/2 0	1 0	4 107.67	REC/UH 32.59	16K	4 162.7/59.2 FN0014/19	26/-55 1	278/20:14:09	00:54.5
STEREO TO 21A250														
22A252/030	12:06:09	SINGLE BB4 *	90 0/220 0 ISDR 3177	-10 0	.04 0	5/2 74	1 1	4 129.80	RT/UH 57.65	16K	4 175 6/60 1 FN0014/20	37/-57 5	278/20:42:32	11:18.0
NOON RTI HI-RES MOSAIC														
22A253/030	12:38.18	SINGLE BB4 *	210 0/260 0 ISDR 1072	0 0	.04 0	5/2 179	1 1	4 147.69	RT/UH 74.19	16K	8 190 5/59.8 FN0014/21	51/-59 2	278/21:14:40	03:49.0
NOON RTI HI-RES MOSAIC														
22A254/030	14:25 00	COLOR BLU * GRN * RED *	115.0/125.0 SDR 83 SDR 83 SDR 83	-30 0 0 0 0 0 0	.12 0 0 0 0 0 0	1/1 1 1 1	1 1 1	4 103.52 113.54 138.38	REC/UH 27.43 32.98 41.44	16K	10 231 6/50.7 FN0014/22 FN0014/23 FN0014/24	98/-55 1 1 1	278/23:01:22	00:54.5
COLOR OF XRFS TRENCH														
22A255/030	15:00 00	SINGLE BB4 *	7.5/ 10.0 SDR 65	0 64	.04 1	5/2 0	1 0	4 101.21	REC/UH 54.65	16K	12 241 4/45.9 FN0014/25	110/-52 1	278/23:36 22	00:14.5
1500 HRS. MARGIN														
22B000/031	06:39.59	SINGLE BB4 *	7 5/115.0 ISDR 2679	0 0	.04 0	5/2 10	1 8	4 91.23	REC/UH 59.04	16K	-12 83.7/18.7 FN0015/01	319/-10 4	279/15:55.57	09:34.5
MORNING HI-RES MOSAIC														
21B001/031	06:51 59	SINGLE BB4 *	250.0/265.0 ISDR 372	0 0	.04 0	5/2 4	1 1	4 141.76	REC/UH 78.41	16K	-6 85.8/20.7 FN0015/02	137/-12 1	279/16:07:57	01:21.2
MORNING HI-RES MOSAIC														

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TCTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS		
22B002/031	07:20 59	SINGLE BB3 *	7 5/ 60.0 SDR 1315	-10 1314	.04 1	13/2 0	1 0	4 0	REC/UH 65.75	16K 26.50	-10 91 0/25.4	326/-17 FN0015/03	279/16.36.57	04:41.2
MORNING HI-RES MOSAIC														
22B003/031	12:01 37	SINGLE BB4 *	235.0/335.0 ISDR 2491	0 2501	.04 2	5/2 12	1 3	4 0	RT/UH 104.37	16K 60.09	4 173 6/59 9	36/-57 FN0015/04	279/21:17:35	08:54.0
NOON RTI HI-RES MOSAIC														
22B004/031	12:37 03	SINGLE BB4 *	7.5/ 87.5 ISDR 1718	0 0	.04 0	5/2 283	1 2	4 0	RT/UH 139.63	16K 36.56	6 190 0/59 7	51/-59 FN0015/05	279/21:53:01	06:07.0
NOON RTI HI-RES MOSAIC														
22B005/031	15:00 00	SINGLE BB1 *	75.0/ 77.5 SDR 65	-50 64	.04 1	8/2 0	1 0	4 0	REC/UH 85.45	16K 61 05	10 241 4/45.8	110/-52 FN0015/06	280/00:15:57	00:14.5
1500 HRS. MARGIN														
21B006/031	18 06 00	SINGLE SUN	150.0/152.5 SDR 65	30 64	.04 1	4/2 0	1 0	3 0	REC/UH 31.52	16K 20.46	12 278.9/16.2	330/-24 FN0015/07	280/03:21:57	00:14.5
ATMOS. ATTENUATION														
21B007/031	19.04 00	SINGLE SUN	160 0/162.5 ISDR 65	20 64	.04 1	4/2 0	1 0	2 0	REC/UH 35.11	16K 2.24	10 288.9/ 7.1	340/-15 FN0015/08	280/04:19:57	00:14.5
ATMOS. ATTENUATION														
21B008/032	06.29 59	SINGLE BB4 *	45.0/ 75.0 ISDR 746	0 0	.04 0	5/2 5	1 2	4 0	REC/UH 89.73	16K 37.80	-8 82 1/17.0	133/-9 FN0015/09	280/16.25:32	02:41.2
MORNING HI-RES MOSAIC														
21B009/032	06:39.59	SINGLE BB4 *	260 0/335.0 ISDR 1870	-10 0	.04 0	5/2 6	1 6	4 0	REC/UH 41.19	16K 32.98	-6 83 8/18 7	135/-10 FN0015/10	280/16:35:32	06:41.2
MORNING HI-RES MOSAIC														
21B010/032	06:49 59	SINGLE BB4 *	75 0/142 5 ISDR 1684	0 0	.04 0	5/2 5	1 1	4 0	REC/UH 108.80	16K 39 05	-4 85.6/20 3	137/-12 FN0015/11	280/16:45:32	06:01.2
MORNING HI-RES MOSAIC														
22B011/032	09.45 10	SINGLE SURV *	90.0/110.0 ISDR 50	-30 0	.12 0	14/3 14	1 1	4 0	RT/SB 93.04	250 49.71	0 122.6/47 7	354/-40 FN0015/12	280/19:40:43	11:48.0
BOOM POSITION														
22B012/032	11:59.19	SINGLE BB2 *	95 0/200.0 ISDR 2502	-30 0	.04 0	0/2 124	1 1	4 0	RT/UH 98.69	16K 37 36	6 172 6/59.7	35/-56 FN0015/13	280/21.54:52	08:54.0
NOON RTI HI-RES MOSAIC														
22B013/032	12:34 45	SINGLE BB3 *	25.0/ 95.0 ISDR 1719	-10 0	.04 0	13/2 32	1 1	4 0	RT/UH 129.72	16K 31.93	8 188.9/59.6	50/-58 FN0015/14	280/22:30:18	06:07.0
NOON RTI HI-RES MOSAIC														

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS				
22B014/032	14:59 59	SINGLE BB3 *	10.0/12.5 SDR 65	-20 64	.04 1	13/2 0	1 0	4 REC/UH 87.23	16K 31.98	10	241 3/45 6	110/-52	281/00:55:32	00:14.5	
		1500 HRS. MARGIN									FN0015/15	1			
21B015/033	06:44 59	SINGLE BB1 *	177 5/257 5 ISDR 1993	-50 0	.04 0	8/2 8	1 5	4 REC/UH 57.89	16K 42.16	-8	84.9/19.4	136/-11	281/17:20:07	7: 7.8	
		MORNING HI-RES COMPOSITE									FN0015/16	3			
22B016/033	08 49 00	COLOR BLU GRN * RED	172.5/212 5 ISDR 332 ISDR 332 ISDR 331	10 0 0 0	.12 0 0 0	1/1 2 2 3	1 1 1 1	5 REC/UH 129 56 130 60 123.50	16K 71.97 69.41 63.46	-8	108 9/39.3	342/-31	281/19:24:09	03:34.5 D	
		SKY BRIGHTNESS									FN0015/17 FN0015/18 FN0015/19	1 1 1			
22B017/033	08 54 01	IR IR3 IR2 IR1	172.5/212 5 SDR 333 SDR 333 SDR 333	10 0 0 0	.12 0 0 0	9/1 1 1 1	1 1 1 1	4 REC/UH 122.75 123 72 123.52	16K 73.83 73.54 72.84	-6	110.0/40.1	343/-32	281/19:29:09	03:34.5	
		SKY BRIGHTNESS									FN0015/20 FN0015/21 FN0015/22	1 1 1			
22B018/033	08 59 01	SINGLE SURV	172.5/212.5 SDR 336	10 334	.12 2	14/3 0	1 0	5 REC/UH 127.12	16K 63.99	-6	111.1/40.9	344/-32	281/19:34:09	01:12.3	
		SKY BRIGHTNESS									FN0015/23	1			
22B019/033	09:00 11	SINGLE CAL	170.0/170 0 SDR 61	0 0		15/7 0	1 0	2 REC/UH 00	16K .00	-4	/	/	281/19:35:21	0:18.0	
		CALIBRATION									FN0015/24	1			
22B020/033	10:29 59	SINGLE BB1	285.0/290.0 SDR 127	-20 126	.04 1	8/2 0	1 0	4 REC/UH 66.45	16K 36.67	0	136 6/53.2	6/-46	281/21:05:07	00:27.9	
		RTC MAGNET									FN0015/25	1			
21B021/033	11:56 52	SINGLE BB1 *	170 0/270 0 ISDR 2503	-40 2501	.04 2	8/2 0	1 0	4 RT/UH 118 92	16K 38.11	8	171 6/59.5	210/-56	281/22:32:00	08:54.0	
		NOON RTI HI-RES MOSAIC									FN0015/26	4			
21B022/033	12 32 18	SINGLE BB3 *	240.0/310 0 ISDR 1718	-30 0	.04 0	13/2 33	1 2	4 RT/UH 123.71	16K 37 85	10	187.9/59 5	225/-58	281/23:07:27	06:07.0	
		NOON RTI HI-RES MOSAIC									FN0015/27	3			
22B023/034	04:29 00	COLOR BLU * GRN RED	110.0/170 0 ISDR 498 ISDR 497 ISDR 497	10 0 0 0	.12 0 0 0	1/1 3 4 4	1 2 2 2	5 REC/UH 103.26 97.68 82.23	16K 54.80 55.00 48.33	-4	61.1/-1 8	295/ 8	282/15:43:43	05:21.2	
		SUNRISE (SKY)									FN0016/01 FN0016/02 FN0016/03	1 1 1			

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS			
21B024/034	04:35 00	COLOR	200.0/260.0	-20 .12	1/1	1 1	REC/UH	16K	-10	62 2/-0.9	113/ 7	282/15:49:43	05:21.2		
		BLU	ISDR 499	0 0	2	2	79.55	27.18		FN0016/04	1				
		GRN	ISDR 496	0 0	5	4	81.27	29.10		FN0016/05	1				
		RED *	ISDR 498	0 0	3	2	92.53	30.24		FN0016/06	1				
		SUNRISE (SURFACE)													
22B025/034	06:45 00	SINGLE	10 0/ 20.0	-30 .04	0/2	1 4	REC/UH	16K	-13	85.0/19.3	320/-11	282/17:59:43	00:54.5		
		BB2 *	SDR 252	251 1	0	0	45.37	28.53		FN0016/07	1				
		MORNING HI-RES MOSAIC													
22B026/034	09:45:11	SINGLE	102 5/110 0	-30 .12	14/3	1 4	RT/SB	250	-2	123.0/47 5	355/-40	282/20:59:55	11:48.0		
		SURV *	ISDR 50	0 0	14	1	93.88	49.96		FN0016/08	1				
		SURVEY OF ROCK ROLL AREA													
22B027/034	10:30 00	COLOR	285.0/290.0	-10 .12	1/1	1 4	REC/UH	16K	0	136 7/53.1	6/-46	282/21:44:43	00:27.9		
		BLU	SDR 42	0 0	1	1	79.84	54.52		FN0016/09	1				
		GRN	SDR 41	0 0	2	1	81.75	54.96		FN0016/10	1				
		RED	SDR 41	0 0	2	1	88.21	54.08		FN0016/11	1				
		RTC NO. 2-COLOR													
22B028/034	10:41 36	SINGLE	102 5/112 5	-30 .04	0/2	1 4	REC/UH	16K	0	140.8/54 4	9/-48	282/21:56:19	00:54.5		
		BB2 *	SDR 252	251 1	0	0	85.86	32.66		FN0016/12	1				
		BOOM TOUCHING ROCK AFTER ROLL													
21B029/034	10:43:21	SINGLE	292.5/302 5	-30 .04	0/2	1 4	REC/UH	16K	4	141.4/54 5	185/-48	282/21:58:04	00:54.5		
		BB2 *	SDR 252	251 1	0	0	77.98	36.49		FN0016/13	1				
		STEREO TO 22B028													
22B030/034	10:48 10	SINGLE	102.5/112.5	-30 .04	0/2	1 4	REC/UH	16K	2	143 1/55.0	11/-48	282/22:02:53	00:54.5		
		BB2 *	SDR 252	251 1	0	0	92.11	31.78		FN0016/14	1				
		ROCK AFTER ROLL-BOOM REMOVED													
21B031/034	10 49 55	SINGLE	292.5/302.5	-30 .04	0/2	1 4	REC/UH	16K	4	143 8/55.2	187/-49	282/22:04:38	00:54.5		
		BB2 *	SDR 252	251 1	0	0	85.51	36.63		FN0016/15	1				
		STEREO TO 22B030													
21B032/034	11.54 18	SINGLE	150.0/250.0	-20 .04	0/2	1 4	RT/UH	16K	8	170 6/59.3	209/-56	282/23:09:02	08:54.0		
		BB2 *	ISDR 2503	2501 2	0	0	126.34	33.35		FN0016/16	4				
		NOON RTI HI-RES MOSAIC													
21B033/034	12.29 44	SINGLE	210.0/280.0	-50 .04	8/2	1 4	RT/UH	16K	10	186 7/59.4	224/-58	282/23:44:28	6: 7.0		
		BB1 *	ISDR 1719	0 0	32	1	102.02	47.05		FN0016/17	3				
		NOON RTI HI-RES COMPOSITE													
21B034/035	11.51:55	SINGLE	150.0/225.0	-10 .04	13/2	1 4	RT/UH	16K	8	169.6/59.1	209/-55	283/23:46:14	06:33.0		
		BB3 *	ISDR 1841	0 0	35	1	128.44	34.21		FN0016/18	3				
		NOON RTI HI-RES MOSAIC													

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21B035/035	12:30.10	SINGLE	277.5/315.0	-40 .04	0/2	1 4	RT/UH	16K	10	187.0/59.3	224/-58	284/00.24:29	03.16.0		
		BB2 * ISDR	916 0 0	23	2	113.35	54.20			FNO016/19	2				
		NOON RTI HI-RES MOSAIC													
22B036/035	13:30 00	COLOR	102 5/112.5	-30 .12	1/1	1 4	REC/UH	16K	6	212.3/55.9	75/-58	284/01:24:18	00:54.5		
		BLU SDR	83 0 0	1	1	101.49	27.00			FNO016/20	1				
		GRN SDR	83 0 0	1	1	115.20	28.09			FNO016/21	1				
		RED SDR	83 0 0	1	1	144.71	30.33			FNO016/22	1				
		COLOR OF 7 CHAN SET(3 EVENTS)													
22B037/035	13:35 00	IR	102.5/112.5	-30 .12	9/1	1 4	REC/UH	16K	6	214.3/55.5	77/-58	284/01:29:18	00:54.5		
		IR3 SDR	83 0 0	1	1	112.50	22.93			FNO016/23	1				
		IR2 SDR	83 0 0	1	1	107.17	21.92			FNO016/24	1				
		IR1 * SDR	83 0 0	1	1	116.05	23.48			FNO016/25	1				
		IR OF 7 CHAN SET(3 EVENTS)													
22B038/035	13:40 00	SINGLE	102.5/112.5	-30 .12	14/3	1 4	REC/UH	16K	6	216.1/55.0	79/-58	284/01:34:18	00:19.0		
		SURV SDR	86 84 2	0	0	132.87	29.12			FNO016/26	1				
		SURVEY OF 7 CHAN SET(3 EVENTS)													
21B039/036	06:49.59	SINGLE	215 0/260.0	-10 .04	5/2	1 4	REC/UH	16K	-8	86.2/19.9	137/-11	284/19:23:53	04.01.2		
		BB4 * ISDR	1122 0 0	4	1	50.72	31.82			FNO017/01	2				
		MORNING HI-RES MOSAIC													
21B040/036	07:00.59	SINGLE	150 0/265.0	-30 .04	0/2	1 4	REC/UH	16K	-6	88.1/21.7	139/-13	284/19:34:53	10:14.5		
		BB2 * ISDR	2874 0 0	2	1	61.64	38.55			FNO017/02	4				
		MORNING HI-RES MOSAIC													
22B041/036	07:39.59	SINGLE	25 0/ 32.5	-20 .04	8/2	1 4	REC/UH	16K	-10	95.3/28.1	330/-19	284/20:13:53	00:41.2		
		BB1 SDR	190 189 1	0	0	63.21	26.75			FNO017/03	1				
		MORNING HI-RES MOSAIC													
22B042/036	09:45 10	SINGLE	102.5/110.0	-30 .12	14/3	1 4	RT/SB	250	-2	123.3/47.3	355/-39	284/22.19:04	11:48.0		
		SURV * ISDR	50 0 0	14	1	95.79	51.94			FNO017/04	1				
		SURVEY OF ROCK ROLL AREA													
21B043/036	10:39.59	COLOR	35 0/ 62.5	-20 .12	1/1	1 4	REC/UH	16K	4	140.5/53.9	185/-47	284/23:13:53	02:27.9		
		BLU * SDR	229 0 0	1	1	87.45	54.16			FNO017/05	1				
		GRN * SDR	229 0 0	1	1	86.92	54.44			FNO017/06	1				
		RED * SDR	229 0 0	1	1	98.49	65.51			FNO017/07	1				
		TEST GRID (COLOR)													
22B044/036	11:49.12	SINGLE	115.0/190.0	-30 .04	13/2	1 4	RT/UH	16K	4	168.5/58.8	32/-55	285/00:23.06	06:33.0		
		BB3 * SDR	1839 0 0	37	3	95.56	38.67			FNO017/08	3				
		NOON RTI HI-RES MOSAIC													

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP (C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA-TION /RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS		
22B045/036	12:27 27	SINGLE	10.0/47.5	-30 .04	0/2	1	4	RT/UH	16K	6	185 8/59.2	47/-57	285/01.01:21	03:16.0
		BB2 * ISDR	917	0 0	22	1		127.36	44.54		FN0017/09	2		
		NOON RTI HI-RES MOSAIC												
22B046/037	11 46 21	SINGLE	45.0/120.0	-30 .04	0/2	1	4	RT/UH	16K	2	167 3/58 6	31/-55	286/00:59:50	06:33.0
		BB2 * ISDR	1840	0 0	36	2		119.44	40.89		FN0017/10	3		
		NOON RTI HI-RES MOSAIC												
22B047/037	12.24 36	SINGLE	95.0/140.0	-30 .04	0/2	1	4	RT/UH	16K	4	184.6/59.0	46/-57	286/01:38:05	03:16.0
		BB2 * ISDR	917	0 0	209	1		111.68	33.60		FN0017/11	2		
		NOON RTI HI-RES MOSAIC												
21B048/037	16:10 30	SINGLE	292 5/302.5	-30 .04	0/2	1	4	REC/UH	16K	12	257.0/34.2	305/-41	286/05:24:00	00:54.5
		BB2 * ISDR	252	251 1	0	0		135.10	37.44		FN0017/12	1		
		COLLECTOR HEAD ON SURFACE												
21B049/037	16.16 11	SINGLE	292.5/302.5	-30 .04	0/2	1	4	REC/UH	16K	12	258.1/33.3	307/-40	286/05:29:41	00:54.5
		BB2 * ISDR	252	251 1	0	0		135.15	35 77		FN0017/13	1		
		COLL HEAD AFTER SAMP. ACQUIS.												
21B050/037	16:34 19	SINGLE	20 0/ 27.5	-30 .12	14/3	1	4	REC/UH	16K	12	261.7/30.3	311/-38	286/05:47:49	00:14.5
		SURV ISDR	65	64 1	0	0		90.39	39 63		FN0017/14	1		
		COLLECTOR HEAD OVER GCMS PDA												
21B051/037	17.39 58	SINGLE	292.5/302.5	-30 .04	0/2	1	4	REC/UH	16K	12	273 8/19.7	324/-27	286/06:53:28	00:54.5
		BB2 * ISDR	252	251 1	0	0		88.67	36.21		FN0017/15	1		
		SAMPLE TRENCH (CAM. 1)												
22B052/037	17:49 58	COLOR	102.5/112.5	-30 .12	1/1	1	4	REC/UH	16K	8	275 6/18 0	150/-26	286/07:03:28	00:54.5
		BLU * SDR	82	0 0	2	2		61.37	27 10		FN0017/16	1		
		GRN * SDR	83	0 0	1	1		67.12	27 85		FN0017/17	1		
		RED * SDR	83	0 0	1	1		74.96	31 24		FN0017/18	1		
		COLOR OF TRENCH (CAM. 2)												
21B053/037	19:12 58	COLOR	180.0/267.5	-30 .12	1/1	1	1	REC/UH	16K	10	290 0/ 4 8	341/-12	286/08:26:28	07:47.8
		BLU * ISDR	727	0 0	3	2		109 23	33 64		FN0017/19	1		
		GRN * ISDR	728	0 0	2	1		117 13	33.60		FN0017/20	1		
		RED * ISDR	727	0 0	3	1		133.67	32.23		FN0017/21	1		
		LATE AFTERNOON COLOR MOSAIC												
21B054/038	07.00 00	SINGLE	120.0/215.0	-10 .04	13/2	1	4	REC/UH	16K	-10	88.2/21.4	139/-13	286/20:53:04	08:27.8
		BB3 * ISDR	2372	0 0	4	1		95.85	35.63		FN0017/22	3		
		MORNING HI-RES MOSAIC												
22B055/038	09:57 11	SINGLE	102.5/110.0	-30 .12	14/3	1	4	RT/SB	250	-2	127.1/48.7	358/-41	286/23:50:16	11:48.0
		SURV * ISDR	50	0 0	14	1		97.18	49.07		FN0017/23	1		
		SURVEY OF SAMPLE AREA												

VIKING PROJECT LIBRARY
 VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS			
22B056/038	10:30 00	SINGLE	290.0/310.0	-30 .04	8/2	1 4	REC/UH	16K	0	137 4/52 6	6/-46	287/00:23:04	01:47.9	
		BB1	ISDR 502	501 1	0	0	93.73	55.57		FN0017/24	1			
			HI-RES OF TEST GRID											
22B057/038	11:43 23	SINGLE	90 0/165 0	-50 .04	8/2	1 4	RT/UH	16K	4	166 2/58.3	30/-54	287/01:36:27	6:33.0	
		BB1 *	ISDR 1841	0 0	35	1	103 35	32.02		FN0017/25	3			
			NOON RTI HI-RES COMPOSITE											
22B058/038	12:21 38	SINGLE	55 0/ 92.5	-50 .04	8/2	1 4	RT/UH	16K	4	183.3/58.9	45/-57	287/02:14:43	3:16.0	
		BB1 *	ISDR 917	0 0	22	1	129.40	52.01		FN0017/26	2			
			NOON RTI HI-RES COMPOSITE											
21B059/038	17:29 59	SINGLE	145 0/192.5	-10 .04	13/2	1 4	REC/UH	16K	10	271.9/21.1	322/-29	287/07:23:04	04:14.5	
		BB3 *	ISDR 1184	0 0	5	2	40.89	19.31		FN0017/27	2			
			EVENING HI-RES MOSAIC											
21B060/038	17:39 59	SINGLE	252.5/330.0	-50 .04	8/2	1 4	REC/UH	16K	10	273.7/19.5	324/-27	287/07:33:04	6:54.5	
		BB1 *	ISDR 1940	1939 1	0	0	67.62	44.21		FN0017/28	3			
			EVENING HI-RES COMPOSITE											
22B061/039	06:45 00	SINGLE	15.0/ 90.0	-30 .04	0/2	1 4	REC/UH	16K	-13	85.7/18.9	321/-10	287/21:17:39	06:41.2	
		BB2 *	ISDR 1876	1876 1	1	1	60.81	31.40		FN0018/01	3			
			MORNING HI-RES MOSAIC											
21B062/039	11 40 15	SINGLE	215.0/290.0	-50 .04	1/2	1 4	RT/UH	16K	4	164.9/58.1	205/-54	288/02:12:55	06:33.0	
		BLU *	ISDR 1841	0 0	35	1	81.83	44.40		FN0018/02	3			
			TRENCH (NON-NOMINAL COMMAND)											
21B063/039	12 18 30	SINGLE	180.0/217.5	-50 .04	1/2	1 4	RT/UH	16K	6	181 9/58.8	220/-57	288/02:51:10	03:16.0	
		BLU *	ISDR 917	0 0	22	1	73.05	45.18		FN0018/03	2			
			TRENCH (NON-NOMINAL COMMAND)											
21B064/039	14:20 59	COLOR	30 0/ 35 0	-10 .12	1/1	1 5	REC/UH	16K	8	229.6/49.8	272/-54	288/04:53:39	00:27.9	
		BLU	SDR 42	0 0	1	1	77.37	35.57		FN0018/04	1			
		GRN	SDR 41	0 0	2	1	81.80	48.57		FN0018/05	1			
		RED	SDR 41	0 0	2	1	66.63	34.62		FN0018/06	1			
			PHOTOMETRICS (LANDER)											
21B065/039	14:22 59	IR	30.0/ 35.0	-10 .12	9/1	1 5	REC/UH	16K	8	230 2/49.6	273/-54	288/04:55:39	00:27.9	
		IR3	SDR 42	0 0	1	1	60.23	29.79		FN0018/07	1			
		IR2	SDR 41	0 0	2	1	58.62	28.94		FN0018/08	1			
		IR1	SDR 41	0 0	2	1	61.22	30.06		FN0018/09	1			
			PHOTOMETRICS (LANDER)											
21B066/039	16:35 59	COLOR	22.5/ 27.5	-10 .12	1/1	1 5	REC/UH	16K	10	261.9/29.8	311/-37	288/07:08:39	00:27.9	
		BLU	SDR 42	0 0	1	1	79.82	53.70		FN0018/10	1			
		GRN	SDR 41	0 0	2	1	72.33	41.39		FN0018/11	1			
		RED	SDR 41	0 0	2	1	54.94	23.32		FN0018/12	1			
			PHOTOMETRICS (LANDER)											

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL	RESCAN	LINES			AVE DN	STAND		EDR	# OF EDR		
			RECORD LINES	BEGIN/TOTAL	MISSED	GAPS	VALUE	DEV	TAPE/FILE	SEGMENTS				
21B067/039	16:37 59	IR	22.5/ 27.5	-10 .12	9/1	1	5	REC/UH	16K	10	262.2/29.5	311/-37	288/07:10:39	00:27.9
		IR3	SDR 42	0 0	1	1		48.06	20.51		FN0018/13	1		
		IR2	SDR 41	0 0	2	1		46.46	19.38		FN0018/14	1		
		IR1	SDR 41	0 0	2	1		48.86	19.38		FN0018/15	1		
		PHOTOMETRICS (LANDER)												
21B068/039	17:40 59	COLOR	30 0/ 35.0	-10 .12	1/1	1	5	REC/UH	16K	10	273.8/19.2	324/-27	288/08:13:39	00:27.9
		BLU	SDR 42	0 0	1	1		63.87	43.77		FN0018/16	1		
		GRN	SDR 41	0 0	2	1		66.11	45.68		FN0018/17	1		
		RED	SDR 41	0 0	2	1		49.35	25.90		FN0018/18	1		
		PHOTOMETRICS (LANDER)												
21B069/039	17:42 59	IR	30 0/ 35.0	-10 .12	9/1	1	5	REC/UH	16K	10	274.2/18.9	325/-27	288/08:15:39	00:27.9
		IR3	SDR 40	0 0	3	2		43.29	23.03		FN0018/19	1		
		IR2	SDR 39	0 0	4	2		42.43	22.11		FN0018/20	1		
		IR1	SDR 39	0 0	4	2		43.55	21.07		FN0018/21	1		
		PHOTOMETRICS (LANDER)												
21B070/039	18:10 59	COLOR	22.5/ 27.5	-10 .12	1/1	1	5	REC/UH	16K	10	279.1/14.3	330/-22	288/08:43:39	00:27.9
		BLU	SDR 42	0 0	1	1		89.41	72.06		FN0018/22	1		
		GRN	SDR 41	0 0	2	1		87.54	62.18		FN0018/23	1		
		RED	SDR 41	0 0	2	1		71.10	44.46		FN0018/24	1		
		PHOTOMETRICS (LANDER)												
21B071/039	18:12 59	IR	22.5/ 27.5	-10 .12	9/1	1	5	REC/UH	16K	10	279.4/14.0	330/-22	288/08:45:39	00:27.9
		IR3	SDR 42	0 0	1	1		63.74	38.67		FN0018/25	1		
		IR2	SDR 41	0 0	2	1		62.72	37.57		FN0018/26	1		
		IR1	SDR 41	0 0	2	1		62.29	39.26		FN0018/27	1		
		PHOTOMETRICS (LANDER)												
21B072/039	18:30 59	COLOR	22.5/ 27.5	-10 .12	1/1	1	5	REC/UH	16K	10	282.5/11.1	333/-19	288/09:03:39	00:27.9
		BLU	SDR 42	0 0	1	1		87.10	67.38		FN0018/28	1		
		GRN	SDR 41	0 0	2	1		75.38	53.29		FN0018/29	1		
		RED	SDR 41	0 0	2	1		58.60	37.80		FN0018/30	1		
		PHOTOMETRICS (LANDER)												
21B073/039	18:32 59	IR	22.5/ 27.5	-10 .12	9/1	1	5	REC/UH	16K	10	282.9/10.8	334/-19	288/09:05:39	00:27.9
		IR3	SDR 42	0 0	1	1		55.11	33.01		FN0018/31	1		
		IR2	SDR 41	0 0	2	1		54.50	32.28		FN0018/32	1		
		IR1	SDR 41	0 0	2	1		54.17	33.63		FN0018/33	1		
		PHOTOMETRICS (LANDER)												
21B074/039	18:40 59	COLOR	22.5/ 27.5	-10 .12	1/1	1	5	REC/UH	16K	10	284.3/9.5	335/-17	288/09:13:39	00:27.9
		BLU	SDR 42	0 0	1	1		73.14	55.55		FN0018/34	1		
		GRN	SDR 41	0 0	2	1		62.36	43.13		FN0018/35	1		
		RED	SDR 41	0 0	2	1		51.82	33.23		FN0018/36	1		
		PHOTOMETRICS (LANDER)												

VIKING PROJECT LIBRARY
 VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION /DUST	RSCN	
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS				
21B075/039	18:42.59	IR	22.5/27.5	-10	.12	9/1	1	5	REC/UH	16K	10	284.6/9.2	336/-17	288/09:15:39	00:27.9	
		IR3	SDR 42	0	0	1	1		49.43	30.08		FN0018/37	1			
		IR2	SDR 41	0	0	2	1		48.80	29.75		FN0018/38	1			
		IR1	SDR 41	0	0	2	1		48.85	30.97		FN0018/39	1			
		PHOTOMETRICS (LANDER)														
22B076/039	19:09.59	COLOR	75.0/197.5	-30	.12	1/1	1	1	REC/UH	16K	4	289.3/5.0	164/-13	288/09:42.39	10:54.5	
		BLU *	ISDR 1019	0	0	3	2		122.55	38.83		FN0018/40	2			
		GRN	ISDR 1019	0	0	3	1		129.71	38.26		FN0018/41	2			
		RED	ISDR 1019	0	0	3	1		144.14	36.11		FN0018/42	2			
		LATE AFTERNOON COLOR MOSAIC														
22B077/039	19:20.53	SINGLE	170.0/170.0	0	.	03/7	01	2	REC/UH	16K	6	/	/	288/09:53:33		
		RED/C	SDR 58	0	0	0	0		00	.00		FN0018/43	1			
		CALIBRATION														
22B078/040	03:30.59	COLOR	107.5/107.5	10	.12	1/1	1	0	REC/UH	250	-13	50.8/-10	284/15	288/18:43.14	24:01.2	R
		BLU *	ISDR 37	2	37	1	1		163.68	26.24		FN0019/01	1			
		GRN	ISDR 38	2	37	0	0		163.11	25.42		FN0019/02	1			
		RED	ISDR 37	2	37	1	1		164.25	24.42		FN0019/03	1			
		TWILIGHT RESCAN														
22B079/040	03:56.29	COLOR	112.5/112.5	10	.12	1/1	1	2	REC/UH	250	-13	55.8/-6.9	290/13	288/19:08:44	24:01.2	R
		BLU *	ISDR 37	2	37	1	1		73.56	54.19		FN0019/04	1			
		GRN	ISDR 38	2	37	0	0		73.46	53.29		FN0019/05	1			
		RED	ISDR 38	2	37	0	0		76.00	55.25		FN0019/06	1			
		TWILIGHT RESCAN														
22B080/040	04:21.59	COLOR	117.5/117.5	10	.12	1/1	1	4	REC/UH	250	-12	60.6/-3.4	295/9	288/19:34.14	24:01.2	R
		BLU *	ISDR 34	2	34	1	1		102.64	61.42		FN0019/07	1			
		GRN	ISDR 35	2	34	0	0		98.50	60.81		FN0019/08	1			
		RED	ISDR 35	2	34	0	0		100.51	64.27		FN0019/09	1			
		TWILIGHT RESCAN														
22B081/040	05:19:59	SINGLE	125.0/127.5	10	.04	4/2	1	1	REC/UH	16K	-10	71.0/5.2	306/2	288/20:32:14	00:14.5	
		SUN	SDR 65	64	1	0	0		68.45	2.31		FN0019/10	1			
		SOLAR EXTINCTION														
22B082/040	06:02.44	SINGLE	132.5/135.0	10	.04	4/2	1	3	REC/UH	16K	-10	78.5/12.0	314/-4	288/21:14:59	00:14.5	
		SUN	SDR 65	64	1	0	0		25.61	8.19		FN0019/11	1			
		SOLAR EXTINCTION														
22B083/040	06:43.59	SINGLE	140.0/142.5	20	.04	4/2	1	4	REC/UH	16K	-8	85.7/18.6	321/-10	288/21:56:14	00:14.5	
		SUN	SDR 65	64	1	0	0		38.55	16.52		FN0019/12	1			
		SOLAR EXTINCTION														

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS		
21B085/040	11:36:58	SINGLE	215.0/290.0	-50	.04	2/2	1	4	RT/UH	16K	4	163.6/57.8	204/-53	289/02:49:13	6:33.0
		GRN * ISDR	1841	0	0	35	1		80.47	46.54		FN0019/13	3		
		HI-RES COLOR COMPOSITE (G)													
21B086/040	12:15:13	SINGLE	180.0/217.5	-50	.04	2/2	1	4	RT/UH	16K	6	180.5/58.6	219/-56	289/03:27:28	3:16.0
		GRN * ISDR	917	0	0	22	1		73.84	46.36		FN0019/14	2		
		HI-RES COLOR COMPOSITE (G)													
22B087/040	19:09:59	COLOR	197.5/255.0	10	.12	1/1	1	1	REC/UH	16K	4	289.2/4.9	164/-12	289/10:22:14	05:07.8
		BLU * SDR	479	0	0	1	1		142.01	55.54		FN0019/15	1		
		GRN * SDR	479	0	0	1	1		151.73	55.32		FN0019/16	1		
		RED * SDR	479	0	0	1	1		171.86	50.79		FN0019/17	1		
		LATE AFTERNOON COLOR MOSAIC													
22B088/041	11:34:22	SINGLE	52.5/75.0	-50	.04	3/2	1	4	RT/UH	16K	0	162.7/57.5	27/-53	290/03:26:12	1:50.0
		RED * SDR	514	0	0	50	1		142.54	55.80		FN0019/18	1		
		HI-RES COLOR COMPOSITE (R)													
22B089/041	12:09:44	SINGLE	72.5/142.5	-50	.04	3/2	1	4	RT/UH	16K	2	178.2/58.4	41/-56	290/04:01:35	6:8.0
		RED * ISDR	1705	0	0	46	1		123.77	37.65		FN0019/19	3		
		HI-RES COLOR COMPOSITE (R)													
22B090/041	17:29:59	SINGLE	185.0/195.0	-20	.04	5/2	1	4	REC/UH	16K	8	271.7/20.7	146/-28	290/09:21:49	00:54.5
		BB4 * ISDR	252	251	1	0	0		66.78	30.92		FN0019/20	1		
		EVENING HI-RES MOSAIC													
22B091/041	17:32:59	SINGLE	55.0/85.0	-30	.04	0/2	1	4	REC/UH	16K	8	272.2/20.2	147/-28	290/09:24:49	02:41.2
		BB2 * ISDR	754	751	3	0	0		52.95	27.07		FN0019/21	1		
		EVENING HI-RES MOSAIC													
21B092/041	19:09:59	COLOR	267.5/307.5	-20	.12	1/1	1	1	REC/UH	16K	8	289.2/4.7	340/-12	290/11:01:49	03:34.5
		BLU * ISDR	333	0	0	1	1		144.41	43.66		FN0019/22	1		
		GRN * ISDR	333	0	0	1	1		151.69	42.99		FN0019/23	1		
		RED * ISDR	333	0	0	1	1		159.00	40.04		FN0019/24	1		
		EVENING COLOR MOSAIC													
21B093/042	06:49:59	SINGLE	305.0/330.0	-40	.04	0/2	1	4	REC/UH	16K	-8	87.1/19.4	138/-11	290/23:21:25	02:14.5
		BB2 * SDR	625	0	0	1	1		39.70	16.70		FN0019/25	1		
		MORNING HI-RES MOSAIC													
21B094/042	06:54:59	SINGLE	257.5/292.5	-50	.04	8/2	1	4	REC/UH	16K	-8	87.9/20.2	139/-12	290/23:26:25	3:7.8
		BB1 * ISDR	872	0	0	4	1		32.24	11.76		FN0019/26	1		
		MORNING HI-RES COMPOSITE													
21B095/042	08:59:59	SINGLE	135.0/192.5	0	.04	5/2	1	4	REC/UH	16K	-2	112.9/40.2	162/-32	291/01:31:25	05:07.8
		BB4 * ISDR	1440	1439	1	0	0		145.19	29.04		FN0019/27	2		
		9 AM HI-RES MOSAIC													

VIKING PROJECT LIBRARY
 VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN, MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS		
21B096/042	09 07 59	SINGLE BB4 * 9 AM HI-RES MOSAIC	235 0/255 0 ISDR 502	-10 .04 501 1	5/2 0	1 0	4	REC/UH 94 23	16K 38.69	0	114.8/41.4 FN0019/28	164/-33 1	291/01:39:25	01:47.9
22B098/042	10 29 59	SINGLE BB1 HI-RES OF MAGNETS (MAG. PROP.)	285 0/290 0 ISDR 123	-20 .04 0 0	8/2 3	1 2	4	REC/UH 64.02	16K 36.68	0	138.2/52.1 FN0019/29	7/-45 1	291/03:01:25	00:27.9
22B099/042	11:30 51	SINGLE GRN * HI-RES COLOR COMPOSITE (G)	52.5/ 75.0 ISDR 514	-50 .04 0 0	2/2 50	1 1	4	RT/UH 14.64	16K 56.14	2	161.3/57.2 FN0019/30	26/-52 1	291/04:02:16	1.50.0
22B100/042	12:06 13	SINGLE GRN * HI-RES COLOR COMPOSITE (G)	72 5/142 5 ISDR 1694	-50 .04 0 0	2/2 57	1 1	4	RT/UH 95.74	16K 29.66	2	176 7/58 3 FN0019/31	39/-55 3	291/04:37:39	6: 8.0
22B101/042	19 06 59	COLOR BLU * GRN * RED * EVENING COLOR MOSAIC	255 0/312.5 ISDR 479 ISDR 479 ISDR 479	0 .12 0 0 0 0 0 0	1/1 1 1 1	1 1 1 1	1	REC/UH 118 72 122.66 133.28	16K 35.85 34.18 32 48	4	288.5/ 5.0 FN0019/32 FN0019/33 FN0019/34	164/-13 1 1 1	291/11:38:25	05:07.8
22B102/043	11.27 09	SINGLE BLU * HI-RES COLOR COMPOSITE (B)	52 5/ 75.0 ISDR 514	-50 .04 0 0	1/2 50	1 1	4	RT/UH 114.98	16K 55.26	0	159 9/56.8 FN0020/01	25/-52 1	292/04:38:09	1:50.0
22B103/043	12 02 31	SINGLE BLU * HI-RES COLOR COMPOSITE (B)	72 5/142.5 ISDR 1578	-50 .04 0 0	1/2 173	1 5	4	RT/UH 86.18	16K 25:20	2	175.1/58.1 FN0020/02	38/-55 3	292/05:13:32	6. 8.0
21B104/043	19 04 59	COLOR BLU * GRN * RED * LATE AFTERNOON COLOR MOSAIC	27.5/ 65.0 SDR 312 SDR 312 SDR 312	0 .12 0 0 0 0 0 0	1/1 2 2 2	1 2 1 1	1	REC/UH 144 47 149.79 155.95	16K 43.57 43 01 39.62	8	288 1/ 5 2 FN0020/03 FN0020/04 FN0020/05	339/-13 1 1 1	292/12:16:00	03:21.2
22B105/044	05.29 23	SINGLE SUN SOLAR EXTINCTION EXPERIMENT	127 5/130 0 ISDR 62	10 .04 0 0	4/2 .2	1 1	1	REC/UH 68.01	16K 3.70	-15	73.2/ 6 3 FN0020/06	308/ 1	1 292/23:19:59	00:14.5
22B106/044	05 59 23	SINGLE SUN SOLAR EXTINCTION EXPERIMENT	132 5/135 0 ISDR 62	10 .04 0 0	4/2 2	1 1	2	REC/UH 31.47	16K 4.12	-15	78.5/11.0 FN0020/07	314/ 1	-3 292/23:49:59	00:14.5
22B107/044	07 19 23	COLOR BLU * GRN * RED * SEVEN CHANNEL SKY BRIGHTNESS	187.5/260.0 ISDR 604 ISDR 603 ISDR 603	10 .12 0 0 0 0 0 0	1/1 1 2 2	1 1 1 1	4	REC/UH 111.82 108.24 102.67	16K 55.25 54.29 52.71	-12	92.7/24.0 FN0020/08 FN0020/09 FN0020/10	328/-15 1 1 1	293/01:09:59	06:27.8

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR' AZ/EL	GMT	DURA- TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS				
22B108/044	07:27	44	IR 187.5/260.0	10 .12	9/1	1	4	REC/UH	16K	-10	94.2/25.4	329/-17	293/01:18:20	06:27.8
			IR3 ISDR 603	0 0	2	1		85.23	45.62		FN0020/11	1		
			IR2 ISDR 602	0 0	3	1		83.51	44.84		FN0020/12	1		
			IR1 * ISDR 601	0 0	4	2		84.57	44.87		FN0020/13	1		
			IR OF 7 CHAN SET(3 EVENTS)											
22B109/044	07:36	04	SINGLE 187.5/260.0	10 .12	14/3	1	4	REC/UH	16K	-8	95.8/26.7	331/-18	293/01:28:40	02:10.1
			SURV ISDR 607	605 2	0	0		105.19	55.20		FN0020/14	1		
			SURVEY OF 7 CHAN SET(3 EVENTS)											
22B111/044	10:29	59	SINGLE 285.0/290.0	-10 .12	14/3	1	4	REC/UH	16K	0	138.5/51.9	7/-45	293/04:20:35	00:10.1
			SURV SDR 44	43 1	0	0		79.24	49.03		FN0020/15	1		
			SEVEN CHANNEL RTC (SURVEY)											
22B112/044	10:32	59	COLOR 285.0/290.0	-10 .12	1/1	1	4	REC/UH	16K	0	139.5/52.2	8/-45	293/04:23:35	00:27.9
			BLU SDR 42	0 0	1	1		75.94	52.25		FN0020/16	1		
			GRN SDR 41	0 0	2	1		78.09	52.96		FN0020/17	1		
			RED SDR 41	0 0	2	1		84.01	52.49		FN0020/18	1		
			COLOR OF 7 CHAN SET(3 EVENTS)											
22B113/044	10:35	59	IR 285.0/290.0	-10 .12	9/1	1	4	REC/UH	16K	0	140.6/52.5	9/-46	293/04:26:35	00:27.9
			IR3 SDR 41	0 0	2	1		67.12	37.93		FN0020/19	1		
			IR2 SDR 41	0 0	2	1		65.01	36.59		FN0020/20	1		
			IR1 SDR 40	0 0	3	1		68.22	39.48		FN0020/21	1		
			IR OF 7 CHAN SET(3 EVENTS)											
22B114/044	11:23	19	SINGLE 140.0/162.5	-50 .04	3/2	1	4	RT/UH	16K	2	158.5/56.4	24/-51	293/05:13:55	1.50.0
			RED * ISDR 514	0 0	50	1		84.46	38.88		FN0020/22	1		
			HI-RES COLOR COMPOSITE (R)											
22B115/044	11:58	41	SINGLE 75.0/145.0	-30 .04	3/2	1	4	RT/UH	16K	2	173.5/57.8	37/-55	293/05:49:17	06:08.0
			RED * ISDR 1829	1751 79	1	1		130.68	37.56		FN0020/23	3		
			HI-RES COLOR MOSAIC (RED)											
22B116/045	10:11	39	SINGLE 117.5/127.5	-30 .04	13/2	1	4	REC/UH	16K	-2	132.8/49.6	3/-42	294/04:41:50	00:54.5
			BB3 * SDR 252	251 1	0	0		77.35	37.43		FN0020/24	1		
			SSCA CONTACT WITH ROCK											
22B117/045	10:14	54	SINGLE 117.5/127.5	-30 .04	13/2	1	4	REC/UH	16K	-2	133.8/50.0	4/-43	294/04:45:05	00:54.5
			BB3 * SDR 252	251 1	0	0		81.61	36.55		FN0020/25	1		
			ROCK AFTER PUSH											
22B118/045	10:23	19	SINGLE 22.5/32.5	-20 .04	0/2	1	4	REC/UH	16K	-2	136.5/51.0	6/-44	294/04:53:30	00:54.5
			BB2 * ISDR 252	251 1	0	0		123.80	34.63		FN0020/26	1		
			COLLECTOR HEAD-CONTACT W/NOTCH											

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS				
21B119/045	10:25	19	SINGLE 210 0/220 0 BB2 * SDR 252 251 1 STEREO TO 22B118	-30 .04	0/2	1 4	REC/UH 109.01	16K 46.34	6	137.1/51.2	182/-44	294/04:55:30	00:54.5	
22B120/045	10:29	59	SINGLE 22 5/ 32 5 BB2 * SDR 252 251 1 NOTCH ROCK-BOOM REMOVED	-20 .04	0/2	1 4	REC/UH 120.82	16K 38.29	0	138.7/51.7	8/-45	294/05:00:10	00:54.5	
21B121/045	10:32	59	SINGLE 210.0/220.0 BB2 * ISDR 247 0 0 STEREO TO 22B120	-30 .04	0/2	1 4	REC/UH 110.08	16K 45.00	6	139.7/52.1	184/-45	294/05:03:10	00:54.5	
22B122/045	11:19	22	SINGLE 140.0/162.5 GRN * ISDR 514 0 0 HI-RES COLOR COMPOSITE (G)	-50 .04	2/2	1 4	RT/UH 66.15	16K 27.88	2	157.0/56.0	23/-51	294/05:49:34	1:50.0	
22B123/045	11:54	45	SINGLE 75 0/145 0 GRN * ISDR 1819 1751 68 HI-RES COLOR MOSAIC (GRN)	-30 .04	2/2	1 4	RT/UH 104.65	16K 37.16	2	171.9/57.6	35/-54	294/06:24:56	06:08.0	
21B124/045	19:04	59	COLOR 122 5/180 0 BLU ISDR 478 0 0 GRN * ISDR 477 0 0 RED ISDR 477 0 0 LATE AFTERNOON COLOR MOSAIC	0 .12	1/1	1 1	REC/UH 114.25 119.19 130.14	16K 33.49 33.17 37.53	8	287.9/ 4.9	339/-13	294/13:35:10	05:07.8	
22B126/046	09:59	59	COLOR 75.0/140.0 BLU * ISDR 541 0 0 GRN * ISDR 541 0 0 RED * ISDR 540 0 0 7-CHANNEL MOSAIC (COLOR)	-30 .12	1/1	1 4	REC/UH 76.16 85.21 125.99	16K 41.72 42.49 43.46	-4	129.4/48.1	0/-41	295/05:09:46	05:47.8	
22B127/046	10:06	59	IR 75 0/140.0 IR3 ISDR 542 0 0 IR2 ISDR 542 0 0 IR1 * ISDR 542 0 0 IR OF 7 CHAN SET(3 EVENTS)	-30 .12	9/1	1 4	REC/UH 82.93 80.11 87.55	16K 32.41 31.59 32.96	-2	131.5/49.0	2/-42	295/05:16:46	05:47.8	
22B128/046	10:13	59	SINGLE 75.0/140 0 SURV ISDR 544 543 1 SURVEY OF 7 CHAN SET(3 EVENTS)	-30 .12	14/3	1 4	REC/UH 100.19	16K 41.57	0	133.7/49.8	4/-43	295/05:23:46	01:56.7	
22B129/046	10:29	59	SINGLE 285.0/290.0 SURV ISDR 44 43 1 7-CHANNEL RTC (SURVEY)	-10 .12	14/3	1 4	REC/UH 78.86	16K 48.86	2	138.9/51.6	8/-45	295/05:39:46	00:10.1	

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS			
22B130/046	10.32	59	COLOR 285 0/290	0 -10 .12	1/1	1	4	REC/UH	16K	2	139 9/51.9	9/-45	295/05	42.46	00.27.9
			BLU ISDR 42	0 0	1	1		76.90	53.51		FN0021/09	1			
			GRN ISDR 42	0 0	1	1		78.46	53.07		FN0021/10	1			
			RED ISDR 42	0 0	1	1		84.36	52.56		FN0021/11	1			
			COLOR OF 7 CHAN SET(3 EVENTS)												
22B131/046	10.35	59	IR 285 0/290.0	-10 .12	9/1	1	4	REC/UH	16K	2	140 9/52.2	10/-45	295/05	45.46	00:27.9
			IR3 ISDR 42	0 0	1	1		67.57	38.21		FN0021/12	1			
			IR2 ISDR 42	0 0	1	1		65.65	36.93		FN0021/13	1			
			IR1 ISDR 42	0 0	1	1		38.55	39.79		FN0021/14	1			
			IR OF 7 CHAN SET(3 EVENTS)												
22B132/046	11.15	36	SINGLE 140 0/162	5 -50 .04	1/2	1	4	RT/UH	16K	4	155.6/55.6	22/-50	295/06	25.23	1.50.0
			BLU * SDR 514	0 0	50	1		58.19	21.68		FN0021/15	1			
			HI-RES COLOR COMPOSITE (8)												
22B133/046	11.50	59	SINGLE 75 0/145	0 -30 .04	1/2	1	4	RT/UH	16K	4	170.4/57.3	34/-54	295/07	00.46	06.08.0
			BLU * ISDR 1418	0 0	333	1		89.18	28.67		FN0021/16	3			
			HI-RES COLOR MOSAIC (BLU)												
22B134/046	13.20	49	COLOR 40.0/ 50 0	-10 .12	1/1	1	4	REC/UH	16K	6	208.4/54.9	71/-57	295/08	30.36	00.54.5
			BLU * SDR 83	0 0	1	1		104.19	30.33		FN0021/17	1			
			GRN * SDR 83	0 0	1	1		111.50	30.70		FN0021/18	1			
			RED * SDR 83	0 0	1	1		128.16	35.39		FN0021/19	1			
			7-CHANNEL OF MAGNET (COLOR)												
22B135/046	13.22	49	IR 40.0/ 50 0	-10 .12	9/1	1	4	REC/UH	16K	6	209.2/54.7	72/-56	295/08	32.36	00:54.5
			IR3 SDR 82	0 0	2	2		99.11	27.61		FN0021/20	1			
			IR2 SDR 83	0 0	1	1		94.42	25.86		FN0021/21	1			
			IR1 * SDR 83	0 0	1	1		100.26	27.24		FN0021/22	1			
			IR OF ABOVE												
22B136/046	13.24	49	SINGLE 40.0/ 50.0	-10 .12	14/3	1	4	REC/UH	16K	6	209.9/54.6	73/-56	295/08	34.36	00:19.0
			SURV SDR 86	84 2	0	0		118.00	32.23		FN0021/23	1			
			SURVEY OF ABOVE												
22B137/046	14:13	1*	SINGLE 305.0/335 0	-30 .12	14/3	1	4	REC/UH	16K	8	226.6/49.6	93/-54	295/09	22.58	00.54.5
			SURV SDR 252	251 1	0	0		51.52	41.94		FN0021/24	1			
			COLLECTOR HEAD OVER XRFS												
21B138/047	06	59	59	SINGLE 227.5/237.5	-30 .04	0/2	1	4	REC/UH	16K	-8	89.6/20.6	141/-12	296/02:49:21	00:54.5
			BB2 * ISDR 254	251 3	0	0		44.00	25.85		FN0021/25	1			
			SAMPLE TRENCH												
22B139/047	07:04	59	SINGLE 37.5/ 47.5	-20 .04	0/2	1	4	REC/UH	16K	-13	90.5/21.4	326/-13	296/02.54:21	00:54.5	
			BB2 * ISDR 246	0 0	5	2		58.42	36.74		FN0021/26	1			
			STEREO TO 21B138												

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS			
22B152/048	10:31.59	COLOR	285.0/290.0	-10 .12	1/1	1	4	REC/UH	16K	-2	139 9/51.5	9/-45	297/07:00:56	00:29.2	
		BLU	SDR 44	44 1	0	0	75.13	50.69			FN0022/04	1			
		GRN	SDR 42	44 1	2	2	77.10	51.32			FN0022/05	1			
		RED	SDR 43	44 1	1	1	82.61	51.36			FN0022/06	1			
		COLOR OF 7 CHAN SET(3 EVENTS)													
22B153/048	10:34 59	IR	285 0/290.0	-10 .12	9/1	1	4	REC/UH	16K	+2	140 9/51.8	10/-45	297/07:03:56	00:29.2	
		IR3	ISDR 44	44 1	0	0	65.80	36.77			FN0022/07	1			
		IR2	ISDR 44	44 1	0	0	64.01	35.55			FN0022/08	1			
		IR1	ISDR 44	44 1	0	0	67.64	39.02			FN0022/09	1			
		IR OF 7 CHAN SET(3 EVENTS)													
21B154/048	11:04 47	SINGLE	170.0/225 0	-30 .04	1/2	1	4	RT/UH	16K	6	151.7/54.5	194/-49	297/07:33:44	04:59.0	
		BLU *	ISDR 1401	1376 25	0	0	121.24	38.95			FN0022/10	2			
		HI-RES COLOR MOSAIC (BLU)													
21B155/048	11:41 29	SINGLE	225.0/280 0	-30 .04	1/2	1	4	RT/UH	16K	8	166 6/56.7	207/-53	297/08:10:26	04:50.0	
		BLU *	ISDR 1358	0 0	18	1	104.66	22.20			FN0022/11	2			
		HI-RES COLOR MOSAIC (BLU)													
22B156/048	12:29 59	COLOR	140.0/182.5	-30 .12	1/1	1	3	REC/UH	16K	4	187.5/57.1	50/-56	297/08:58:56	03:49.1	
		BLU *	ISDR 356	356 1	0	0	118.31	52.33			FN0022/12	1			
		GRN *	ISDR 355	356 1	1	1	130.24	59.90			FN0022/13	1			
		RED *	ISDR 356	356 1	0	0	136.03	66.08			FN0022/14	1			
		7-CHANNEL MOSAIC (COLOR)													
22B157/048	12:39 59	IR	140 0/182.5	-30 .12	9/1	1	3	REC/UH	16K	4	191 8/56.8	54/-56	297/09:08:56	03:49.1	
		IR3	ISDR 356	356 1	0	0	132.57	59.65			FN0022/15	1			
		IR2	ISDR 356	356 1	0	0	128.71	58.67			FN0022/16	1			
		IR1 *	ISDR 356	356 1	0	0	133.81	62.64			FN0022/17	1			
		IR OF 7 CHAN SET(3 EVENTS)													
22B158/048	12:49 59	SINGLE	140 0/182 5	-30 .12	14/3	1	3	REC/UH	16K	6	196.0/56.4	58/-56	297/09:18:56	01:18.0	
		SURV	SDR 363	355 8	0	0	140.22	67.01			FN0022/18	1			
		SURVEY OF 7 CHAN SET(3 EVENTS)													
22B159/048	12 51.17	SINGLE	170 0/170.0	0	15/7	1	2	REC/UH	16K	6	/	/	297/09:20:14	0:18.0	
		CAL	SDR 61	0 0	0	0	.00	.00			FN0022/19	1			
		CALIBRATION													
21B160/048	18:01 02	SINGLE	147.5/150.0	30 .04	4/2	1	3	REC/UH	16K	10	276.5/14.6	327/-22	297/14:29:59	00:15.8	D
		SUN	SDR 69	64 5	0	0	34.97	26.96			FN0022/20	1			
		SOLAR EXTINCTION													
21B161/048	18:42 29	SINGLE	155.0/157.5	20 .04	4/2	1	2	REC/UH	16K	10	283.7/ 8.0	335/-16	297/15:11:26	00:15.8	
		SUN	SDR 69	64 5	0	0	34.33	4.83			FN0022/21	1			
		SOLAR EXTINCTION													

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS			
22B162/048	22:46.02	SINGLE BLU PHOBOS	280 0/285 0 SDR 132	20 126	.04 6	1/2 0	1 0	REC/UH 70.07	16K 5.26	-8	332.7/-22	205/ 18	297/19:14 59	00:29.2	
22B163/048	22:47.34	SINGLE RED PHOBOS	277.5/282 5 ISDR 132	20 126	.04 6	3/2 0	1 0	REC/UH 138.85	16K 3.67	-8	333.1/-23	205/ 18	297/19:16:31	00:29.2	
22B164/048	22:49.09	SINGLE IR2 PHOBOS	277.5/282.5 ISDR 132	20 126	.04 6	10/2 0	1 0	REC/UH 140.97	16K 9.67	-8	333.5/-23	206/ 18	297/19:18:06	00:29.2	
22B165/048	22:50.41	SINGLE GRN PHOBOS	277.5/282.5 SDR 132	20 126	.04 6	2/2 0	1 0	REC/UH 69.08	16K 5.02	-6	333.9/-23	206/ 18	297/19:19:38	00:29.2	
22B166/048	22:52.13	SINGLE IR1 PHOBOS	275.0/280.0 ISDR 132	20 126	.04 6	11/2 0	1 0	REC/UH 142.54	16K 5.67	-8	334.2/-23	206/ 18	297/19:21:10	00:29.2	
22B167/048	22:53.45	SINGLE IR3 PHOBOS	275.0/280.0 ISDR 132	20 126	.04 6	9/2 0	1 0	REC/UH 140.75	16K 8.49	-8	334.6/-23	207/ 18	297/19:22:42	00:29.2	
22B168/048	22:55.17	SINGLE SURV PHOBOS	275.0/280.0 SDR 132	20 126	.04 6	14/2 0	1 0	REC/UH 141.23	16K 2.91	-6	335.0/-23	207/ 19	297/19:24:14	00:29.2	
22B169/048	23:16.25	SINGLE BLU PHOBOS	260.0/265.0 SDR 132	30 126	.04 6	1/2 0	1 0	REC/UH 70.32	16K 5.34	-8	340.3/-24	212/ 20	297/19:45:22	00:29.2	
22B170/048	23:17.57	SINGLE RED PHOBOS	260.0/265.0 ISDR 128	30 126	.04 3	3/2 1	1 1	REC/UH 70.49	16K 1.94	-8	340.6/-25	212/ 21	297/19:46:54	00:29.2	
22B171/048	23:19.29	SINGLE IR2 PHOBOS	257.5/262.5 SDR 133	30 126	.04 7	10/2 0	1 0	REC/UH 69.87	16K 4.45	-8	341.0/-25	213/ 21	297/19:48:26	00:29.2	
22B172/048	23:40.47	SINGLE GRN PHOBOS	245.0/250.0 SDR 133	30 126	.04 7	2/2 0	1 0	REC/UH 67.70	16K 4.84	-8	346.5/-26	218/ 22	297/20:09:44	00:29.2	
22B173/048	23:42.19	SINGLE IR1 PHOBOS	242.5/247.5 ISDR 133	30 126	.04 7	11/2 0	1 0	REC/UH 69.39	16K 3.02	-8	346.9/-26	218/ 23	297/20:11:16	00:29.2	

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22B174/048	23:43.51	SINGLE IR3 PHOBOS	242.5/247.5 SDR 133	30 126	.04 7	9/2 0	1 0	1 68.19	REC/UH 4.32	16K	-8 347.3/-26 FN0022/34	218/ 23 1	297/20:12:48	00:29.2	
22B175/048	23:45.23	SINGLE SURV PHOBOS	242.5/247.5 ISDR 133	30 126	.04 7	14/2 0	1 0	1 71.00	REC/UH 1.18	16K	-8 347.7/-26 FN0022/35	219/ 23 1	297/20:14:20	00:29.2	
22B176/048	23:46.55	SINGLE BLU PHOBOS	240.0/245.0 SDR 133	30 126	.04 7	1/2 0	1 0	2 34.08	REC/UH 3.08	16K	-8 348.1/-26 FN0022/36	219/ 23 1	297/20:15:52	00:29.2	
22B177/048	23:48.27	SINGLE RED PHOBOS	240.0/245.0 SDR 134	30 126	.04 8	3/2 0	1 0	1 69.24	REC/UH 2.35	16K	-8 348.5/-26 FN0022/37	220/ 23 1	297/20:17:24	00:29.2	
22B178/048	23:49.59	SINGLE IR2 PHOBOS	237.5/242.5 SDR 134	30 126	.04 8	10/2 0	1 0	1 71.12	REC/UH 4.42	16K	-8 348.9/-26 FN0022/38	220/ 23 1	297/20:18:56	00:29.2	
22B179/048	23:50.28	SINGLE CAL CALIBRATION	170.0/170.0 SDR 61	0 0	0 0	15/7 0	1 0	2 .00	REC/UH .00	16K	-8 / / FN0022/39	/ / 1	297/20:19:25	0:18.0	
22B180/049	10:29.59	SINGLE SURV 7-CHANNEL OF TEST CHART (SUR)	285.0/290.0 SDR 50	-10 43	.12 7	14/3 0	1 0	4 77.28	REC/UH 47.35	16K	-2 139.4/51.2 FN0023/01	8/-44 1	298/07:38:31	00:11.4	
22B181/049	10:31.59	COLOR BLU GRN RED COLOR OF 7 CHAN SET(3 EVENTS)	285.0/290.0 SDR 44 SDR 43 SDR 43	-10 44 44 44	.12 1 1 1	1/1 0 1 1	1 0 1 1	4 74.18 76.29 81.74	REC/UH 49.14 50.19 50.72	16K	-2 140.1/51.4 FN0023/02 FN0023/03 FN0023/04	9/-45 1 1 1	298/07:40:31	00:29.2	
22B182/049	10:34.59	IR IR3 IR2 IR1 IR OF 7 CHAN SET(3 EVENTS)	285.0/290.0 SDR 44 SDR 43 SDR 43	-10 44 44 44	.12 1 1 1	9/1 0 1 1	1 0 1 1	4 65.03 63.21 66.40	REC/UH 36.12 35.01 38.04	16K	-2 141.1/51.7 FN0023/05 FN0023/06 FN0023/07	10/-45 1 1 1	298/07:43:31	00:29.2	
21B183/049	11:00.18	SINGLE GRN * HI-RES COLOR MOSAIC	170.0/225.0 ISDR 1401	-30 1376	.04 25	2/2 0	1 0	4 130.38	RT/UH 39.85	16K	4 150.2/54.0 FN0023/08	193/-48 2	298/08:08:51	04:59.0	
21B184/049	11:37.00	SINGLE GRN * HI-RES COLOR MOSAIC	225.0/280.0 ISDR 1360	-30 0	.04 0	2/2 16	1 1	4 116.32	RT/UH 26.07	16K	6 164.8/56.3 FN0023/09	205/-52 2	298/08:45:32	04:50.0	

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP (C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22B196/051	06:32:19	IR	22.5/ 32.5	-20 .12	9/1	1	4	REC/UH	16K	-15	85.3/15.7	320/ -7	300/05:00:02	00:55.8	
		IR3	ISDR 86	85 11	9	1		42.71	20.48		FN0024/01	1			
		IR2	ISDR 86	85 11	9	1		41.90	19.45		FN0024/02	1			
		IR1	ISDR 94	85 11	1	1		50.79	35.10		FN0024/03	1			
		IR OF NOTCH ROCK AFTER PUSH													
22B197/051	06:33:59	COLOR	22.5/ 32.5	-20 .12	1/1	1	4	REC/UH	16K	-15	85.6/15.9	321/ -7	300/05:01:42	00:55.8	
		BLU	ISDR 86	85 2	0	0		50.44	30.68		FN0024/04	1			
		GRN	ISDR 85	85 2	1	1		51.77	29.36		FN0024/05	1			
		RED	ISDR 85	85 2	1	1		54.13	26.83		FN0024/06	1			
		COLOR OF NOTCH ROCK AFTER PUSH													
21B198/051	06:35:59	SINGLE	210.0/220.0	-30 .04	0/2	1	4	REC/UH	16K	-12	86.0/16.3	137/ -8	300/05:03:42	00:55.8	
		BB2 *	ISDR 259	251 8	0	0		41.10	22.05		FN0024/07	1			
		HI-RES OF NOTCH ROCK AFT. PUSH													
22B199/051	06:37:59	SINGLE	22.5/ 32.5	-20 .04	0/2	1	4	REC/UH	16K	-15	86.3/16.6	321/ -8	300/05:05:42	00:55.8	
		BB2 *	ISDR 259	251 8	0	0		45.69	21.44		FN0024/08	1			
		STEREO TO 21B198													
21B200/051	06:50:59	SINGLE	210.0/220.0	-30 .04	0/2	1	4	REC/UH	16K	-10	88.6/18.7	140/-10	300/05:18:42	00:55.8	
		BB2 *	ISDR 257	251 6	0	0		44.03	23.23		FN0024/09	1			
		SSCA-CONTACT W/SURF. BEF. DIG													
21B201/051	06:57:00	SINGLE	210.0/220.0	-30 .04	0/2	1	4	REC/UH	16K	-10	89.7/19.7	141/-11	300/05:24:43	00:55.8	
		BB2 *	ISDR 257	251 6	0	0		45.84	24.78		FN0024/10	1			
		SSCA AT FULL EXTENSION													
21B202/051	07:13:51	SINGLE	7.5/ 37.5	-20 .12	14/3	1	4	REC/UH	16K	-8	92.8/22.4	144/-14	300/05:41:34	00:55.8	
		SURV	ISDR 257	251 6	0	0		72.16	61.28		FN0024/11	1			
		SSCA OVER PDA													
21B203/051	09:05:26	SINGLE	290.0/300.0	-30 .04	0/2	1	4	REC/UH	16K	-2	115.8/40.0	165/-32	300/07:33:09	00:55.8	
		BB2 *	SDR 258	251 7	0	0		59.69	31.92		FN0024/12	1			
		BACKHOE/PURGE SITE													
21B204/051	10:24:59	SINGLE	210.0/220.0	-30 .04	0/2	1	4	REC/UH	16K	2	138.1/50.4	183/-43	300/08:52:42	00:55.8	
		BB2 *	SDR 258	251 7	0	0		133.38	28.13		FN0024/13	1			
		HI-RES OF TRENCH													
22B205/051	10:26:59	SINGLE	22.5/ 32.5	-20 .04	0/2	1	4	REC/UH	16K	-2	138.8/50.6	8/-44	300/08:54:42	00:55.8	
		BB2 *	SDR 259	251 8	0	0		142.90	29.00		FN0024/14	1			
		STEREO TO 21B204													
22B206/051	10:29:59	IR	285.0/290.0	-10 .12	9/1	1	4	REC/UH	16K	-2	139.8/50.9	9/-44	300/08:57:42	00:29.2	
		IR3	SDR 44	44 1	0	0		64.13	35.53		FN0024/15	1			
		IR2	SDR 44	44 1	0	0		62.56	34.25		FN0024/16	1			
		IR1	SDR 43	44 1	1	1		65.44	37.37		FN0024/17	1			
		IR OF RTC													

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS		
21B219/052	16.32.41	SINGLE SURV	140 0/217.5	10 .12	14/3	1	5	REC/UH 76.28	16K 55.65	10 259 9/28.4	309/-36	301/15:39:59	02:20.3	
			ISDR 654 647	7	0	0					FNO025/03	1		
			7-CHANNEL SUNSET (SURVEY)											
21B220/052	16:36:41	COLOR	140 0/217.5	10 .12	1/1	1	5	REC/UH	16K	10 260.7/27.7	310/-35	301/15:43:59	06:55.8	
		BLU * ISDR	646	0 0	1	1		80.48	60.39		FNO025/04	1		
		GRN * ISDR	646	0 0	1	1		79.67	59.60		FNO025/05	1		
		RED * ISDR	645	0 0	2	2		74.22	54.90		FNO025/06	1		
			COLOR OF ABOVE											
21B221/052	16.44:41	IR	140 0/217.5	10 .12	9/1	1	4	REC/UH	16K	12 262 2/26.4	312/-34	301/15:51:59	06:55.8	
		IR3 ISDR	647	0 0	0	0		78.99	56.99		FNO025/07	1		
		IR2 ISDR	647	0 0	0	0		79.16	57.09		FNO025/08	1		
		IR1 * ISDR	647	0 0	0	0		82.00	57.23		FNO025/09	1		
			IR OF ABOVE											
21B222/052	16:52.41	SINGLE SUN	132 5/137.5	30 .04	4/2	1	3	REC/UH	16K	14 263.7/25.1	313/-33	301/15:59:59	00:29.2	
		ISDR	132	126 6	0	0		30.65	16 52		FNO025/10	1		
			SOLAR EXTINCTION											
21B223/052	17:57.41	SINGLE SUN	145 0/150.0	30 .04	4/2	1	3	REC/UH	16K	12 275 5/14.6	326/-22	301/17:04:59	00:29.2	
		ISDR	132	126 6	0	0		33.03	18 51		FNO025/11	1		
			SOLAR EXTINCTION											
21B224/052	18.42 41	SINGLE SUN	152 5/157.5	20 .04	4/2	1	2	REC/UH	16K	10 283.4/ 7.3	334/-15	301/17:49:59	00:29.2	
		ISDR	129	126 3	0	0		35 16	3.44		FNO025/12	1		
			SOLAR EXTINCTION											
21B225/053	10:40.41	SINGLE GRN * ISDR	280.0/335.0	-10 .04	2/2	1	4	RT/UH	16K	2 143.8/51.7	188/-45	302/10:27:34	04:59 0	
		ISDR	1401	1376 25	0	0		80.37	43.60		FNO025/13	2		
			HI-RES COLOR MOSAIC (GRN)											
21B226/053	11.17.22	SINGLE GRN * ISDR	235.0/290.0	-10 .04	2/2	1	4	RT/UH	16K	22 157.4/54.6	199/-49	302/11:04:16	04:50.0	
		ISDR	1016	0 0	360	1		113.45	34.01		FNO025/14	2		
			HI-RES COLOR MOSAIC (GRN)											
21B227/053	12:14:59	COLOR	272.5/335.0	-30 .12	1/1	1	3	REC/UH	16K	8 181.3/56.4	220/-54	302/12:01:52	05:35.8	
		BLU * ISDR	523	523 1	0	0		132 31	62 57		FNO025/15	1		
		GRN * ISDR	522	523 1	1	1		138.75	68 62		FNO025/16	1		
		RED * ISDR	522	523 1	1	1		124.17	65.03		FNO025/17	1		
			HIGH GAIN TRIPLICATE (COLOR)											
21B228/053	12:24:59	IR	272.5/335.0	-30 .12	9/1	1	3	REC/UH	16K	10 185.6/56.3	224/-55	302/12:11:52	05:35.8	
		IR3 SDR	522	0 0	0	0		140.87	67.71		FNO025/18	1		
		IR2 ISDR	521	0 0	1	1		142.89	68.01		FNO025/19	1		
		IR1 * ISDR	521	0 0	1	1		132.30	68.07		FNO025/20	1		
			IR OF 7 CHAN SET(3 EVENTS)											

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS		
21B229/053	12:37.59	SINGLE	272.5/335.0	-30 .12	14/3	1	3	REC/UH	16K	12	191.0/56.0	230/-55	302/12:24:52	01.53.6
		SURV	ISDR 528	522 6	0	0		120.82	60.51		FN0025/21	1		
		SURVEY OF 7 CHAN SET(3 EVENTS)												
22B230/054	06:59.00	SINGLE	115.0/130.0	-10 .04	5/2	7	2	REC/UH	16K	-15	90.6/19.7	326/-11	303/07:25:28	01:22.5
		BB4	ISDR 383	376 7	0	0		154.90	52.03		FN0026/01	1		
		MORNING HI-RES MOSAIC												
22B231/054	07:05.00	SINGLE	115.0/175.0	-10 .04	5/2	2	3	REC/UH	16K	-13	91.6/20.7	327/-12	303/07:31:28	05:22.5
		BB4 *	ISDR 1508	1501 7	0	0		52.39	31.71		FN0026/02	2		
		MORNING HI-RES MOSAIC												
22B232/054	10:00.00	SINGLE	305.0/310.0	-10 .12	14/3	1	5	REC/UH	16K	-6	130.9/47.1	2/-40	303/10:26:28	00:11.4
		SURV	SDR 49	43 6	0	0		65.19	39.38		FN0026/03	1		
		7-CHANNEL OF RTC (SURVEY)												
22B233/054	10:03.00	COLOR	305.0/310.0	-10 .12	1/1	1	5	REC/UH	16K	-6	131.8/47.4	2/-40	303/10:29:28	00:29.2
		BLU	SDR 43	0 0	0	0		65.46	50.33		FN0026/04	1		
		GRN	SDR 43	0 0	0	0		69.70	51.33		FN0026/05	1		
		RED	SDR 43	0 0	0	0		65.94	37.16		FN0026/06	1		
		COLOR OF 7 CHAN SET(3 EVENTS)												
22B234/054	10:06.00	IR	305.0/310.0	-10 .12	9/1	1	5	REC/UH	16K	-4	132.7/47.8	3/-40	303/10:32:28	00:29.2
		IR3	SDR 43	0 0	0	0		53.59	27.56		FN0026/07	1		
		IR2	SDR 43	0 0	0	0		53.11	26.78		FN0026/08	1		
		IR1	SDR 43	0 0	0	0		56.46	25.34		FN0026/09	1		
		IR OF 7 CHAN SET(3 EVENTS)												
21B235/054	10:35.11	SINGLE	235.0/270.0	-10 .04	3/2	1	4	RT/UH	16K	0	142.1/51.0	187/-44	303/11:01:40	03:07.0
		RED *	ISDR 875	0 0	1	1		114.07	32.10		FN0026/10	1		
		HI-RES COLOR MOSAIC (RED)												
21B236/054	11:12.51	SINGLE	270.0/315.0	-10 .04	3/2	1	4	RT/UH	16K	-29	155.8/54.2	198/-49	303/11:39:19	03:52.0
		RED *	ISDR 887	0 0	239	1		114.90	45.39		FN0026/11	2		
		HI-RES COLOR MOSAIC (RED)												
21B238/054	16:36.00	COLOR	22.5/ 27.5	-10 .12	1/1	1	5	REC/UH	16K	8	260.3/27.5	309/-35	303/17:02:28	00:29.2
		BLU	SDR 44	44 1	0	0		50.56	19.60		FN0026/12	1		
		GRN	SDR 43	44 1	1	1		50.28	19.27		FN0026/13	1		
		RED	SDR 43	44 1	1	1		42.07	14.71		FN0026/14	1		
		PHOTOMETRICS (LANDER)												
21B239/054	16:38.00	IR	22.5/ 27.5	-10 .12	9/1	1	5	REC/UH	16K	8	260.7/27.2	310/-35	303/17:04:28	00:29.2
		IR3	SDR 44	44 1	0	0		37.00	12.29		FN0026/15	1		
		IR2	SDR 44	44 1	0	0		36.48	12.01		FN0026/16	1		
		IR1	SDR 43	44 1	1	1		39.22	13.45		FN0026/17	1		
		PHOTOMETRICS (LANDER)												

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA TION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21B240/054	16:40 00	COLOR	215.0/227.5	-30 .12	1/1	1	3	REC/UH	16K	10	261.1/26.9	310/-34	303/17:06:28	01:09.2	
		BLU	SDR 106	106 1	0	0	0	94.22	41.10		FN0026/18	1			
		GRN	SDR 106	106 1	0	0	0	106.01	44.88		FN0026/19	1			
		RED	SDR 106	106 1	0	0	0	119.28	47.51		FN0026/20	1			
		PHOTOMETRICS (SURFACE)													
21B241/054	16:43 00	IR	215.0/227.5	-30 .12	9/1	1	3	REC/UH	16K	10	261.7/26.4	311/-34	303/17:09:28	01:09.2	
		IR3	SDR 106	106 1	0	0	0	102.77	42.22		FN0026/21	1			
		IR2	SDR 106	106 1	0	0	0	99.91	41.76		FN0026/22	1			
		IR1	SDR 106	106 1	0	0	0	112.80	45.49		FN0026/23	1			
		PHOTOMETRICS (SURFACE)													
21B242/054	16:52 42	SINGLE	132.5/137.5	30 .04	4/2	1	3	REC/UH	16K	10	263.5/24.8	313/-32	303/17:19:10	00:29.2	
		SUN	SDR 134	126 8	0	0	0	30.84	19.23		FN0026/24	1			
		SOLAR EXTINCTION													
21B243/054	17:40 59	COLOR	30.0/35.0	-10 .12	1/1	1	5	REC/UH	16K	8	272.3/17.0	323/-25	303/18:07:28	00:29.2	
		BLU	SDR 44	44 1	0	0	0	51.56	26.56		FN0026/25	1			
		GRN	SDR 44	44 1	0	0	0	48.39	21.64		FN0026/26	1			
		RED	SDR 43	44 1	1	1	1	39.11	13.65		FN0026/27	1			
		PHOTOMETRICS (SURFACE)													
21B244/054	17:42 59	IR	30.0/35.0	-10 .12	9/1	1	5	REC/UH	16K	8	272.7/16.6	323/-24	303/18:09:28	00:29.2	
		IR3	SDR 44	44 1	0	0	0	34.16	12.46		FN0026/28	1			
		IR2	SDR 44	44 1	0	0	0	33.42	11.88		FN0026/29	1			
		IR1	SDR 43	44 1	1	1	1	35.24	12.02		FN0026/30	1			
		PHOTOMETRICS (SURFACE)													
21B245/054	17:44 59	COLOR	215.0/227.5	-30 .12	1/1	1	3	REC/UH	16K	10	273.1/16.3	324/-24	303/18:11:28	01:09.2	
		BLU	SDR 106	106 1	0	0	0	61.72	32.93		FN0026/31	1			
		GRN	SDR 106	106 1	0	0	0	69.39	36.95		FN0026/32	1			
		RED	SDR 106	106 1	0	0	0	78.36	37.76		FN0026/33	1			
		PHOTOMETRICS (SURFACE)													
21B246/054	17:47 59	IR	215.0/227.5	-30 .12	9/1	1	3	REC/UH	16K	10	273.6/15.8	324/-24	303/18:14:28	01:09.2	
		IR3	ISDR 106	106 1	0	0	0	67.57	33.79		FN0026/34	1			
		IR2	ISDR 106	106 1	0	0	0	65.32	32.94		FN0026/35	1			
		IR1	ISDR 106	106 1	0	0	0	73.34	36.39		FN0026/36	1			
		PHOTOMETRICS (SURFACE)													
21B247/054	17:57 41	SINGLE	145.0/150.0	30 .04	4/2	1	3	REC/UH	16K	10	275.3/14.2	326/-22	303/18:24:10	00:29.2	
		SUN	SDR 133	126 7	0	0	0	30.68	22.56		FN0026/37	1			
		SOLAR EXTINCTION													
21B248/054	18:10 59	COLOR	22.5/27.5	-10 .12	1/1	1	5	REC/UH	16K	10	277.7/12.1	328/-20	303/18:37:28	00:29.2	
		BLU	ISDR 41	0 0	2	2	2	90.83	71.61		FN0027/01	1			
		GRN	ISDR 42	0 0	1	1	1	80.52	56.26		FN0027/02	1			
		RED	ISDR 42	0 0	1	1	1	60.75	37.17		FN0027/03	1			
		PHOTOMETRICS (LANDER)													

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS					
21B249/054	18:12:59	IR	22.5/ 27.5	-10 .12	9/1	1	5	REC/UH	16K	10	278.0/ 11.8	329/-20	303/18:39:28	00:29.2	
		IR3	SDR 44	44 1	0	0	55.58	32 94			FN0027/04	1			
		IR2	SDR 44	44 1	0	0	55.01	32 16			FN0027/05	1			
		IR1	SDR 43	44 1	1	1	54.69	33.38			FN0027/06	1			
		PHOTOMETRICS (LANDER)													
21B250/054	18:14:59	COLOR	215.0/227.5	-30 .12	1/1	1	3	REC/UH	16K	10	278.4/ 11.4	329/-19	303/18:41:28	01:09.2	
		BLU	ISDR 106	106 1	0	0	46.70	24 83			FN0027/07	1			
		GRN	ISDR 105	106 1	1	1	51.93	27 95			FN0027/08	1			
		RED	ISDR 105	106 1	1	1	58.11	27.87			FN0027/09	1			
		PHOTOMETRICS (SURFACE)													
21B251/054	18:17:59	IR	215.0/227.5	-30 .12	9/1	1	3	REC/UH	16K	10	278.9/ 10.9	330/-19	303/18:44:28	01:09.2	
		IR3	ISDR 106	106 1	0	0	49.22	22.45			FN0027/10	1			
		IR2	ISDR 105	106 1	1	1	47.63	21.89			FN0027/11	1			
		IR1	ISDR 105	106 1	1	1	53.44	24 99			FN0027/12	1			
		PHOTOMETRICS (SURFACE)													
21B252/054	18:28:59	COLOR	215.0/227.5	-30 .12	1/1	1	3	REC/UH	16K	10	280.8/ 9.2	332/-17	303/18:55:28	01:09.2	
		BLU	ISDR 106	106 1	0	0	39.68	18 89			FN0027/13	1			
		GRN	ISDR 105	106 1	1	1	43.84	21 63			FN0027/14	1			
		RED	ISDR 105	106 1	1	1	49.41	21.91			FN0027/15	1			
		PHOTOMETRICS (SURFACE)													
21B253/054	18:30:59	COLOR	22.5/ 27.5	-10 .12	1/1	1	5	REC/UH	16K	10	281.2/ 8.9	332/-17	303/18:57:28	00:29.2	
		BLU	ISDR 45	44 2	0	0	78.52	60.39			FN0027/16	1			
		GRN	ISDR 44	44 2	1	1	66.65	46.51			FN0027/17	1			
		RED	ISDR 44	44 2	1	1	55.20	34.60			FN0027/18	1			
		PHOTOMETRICS (LANDER)													
21B254/054	18:32:59	IR	22.5/ 27.5	-10 .12	9/1	1	5	REC/UH	16K	10	281.5/ 8.5	332/-16	303/18:59:28	00:29.2	
		IR3	SDR 44	44 1	0	0	51.17	29 79			FN0027/19	1			
		IR2	SDR 44	44 1	0	0	50.45	29.36			FN0027/20	1			
		IR1	SDR 43	44 1	1	1	50.25	30 45			FN0027/21	1			
		PHOTOMETRICS (LANDER)													
21B255/054	18:34:59	IR	215.0/227.5	-30 .12	9/1	1	3	REC/UH	16K	10	281.9/ 8.2	333/-16	303/19:01:28	01:09.2	
		IR3	SDR 106	106 1	0	0	40.91	16 45			FN0027/22	1			
		IR2	SDR 106	106 1	0	0	39.63	16.02			FN0027/23	1			
		IR1	SDR 106	106 1	0	0	43.89	18 25			FN0027/24	1			
		PHOTOMETRICS (SURFACE)													
21C000/054	18:38:59	SINGLE	152.5/157.5	.20 .04	4/2	1	2	REC/UH	16K	12	282.6/ 7.6	333/-15	303/19:05:28	00:29.2	
		SUN	SDR 132	126 6	0	0	34.35	3.11			FN0027/25	1			
		SOLAR EXTINCTION													

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS			
21C001/054	18.40 59	COLOR	22.5/ 27.5	-10 .12	1/1	1	5	REC/UH	16K	10	282.9/ 7 3	334/-15	303/19:07:28	00:29.2
		BLU	ISDR 43	0 0	0	0	0	64.30	47.68		FN0027/26	1		
		GRN	ISDR 43	0 0	0	0	0	56.43	37.45		FN0027/27	1		
		RED	ISDR 43	0 0	0	0	0	47.26	28.45		FN0027/28	1		
		PHOTOMETRICS (LANDER)												
21C002/054	18 42 59	IR	22.5/ 27.5	-10 .12	9/1	1	5	REC/UH	16K	10	283.3/ 6.9	334/-15	303/19:09:28	00:29.2
		IR3	SDR 43	0 0	0	0	0	45.91	27.84		FN0027/29	1		
		IR2	SDR 43	0 0	0	0	0	45.58	27.70		FN0027/30	1		
		IR1	SDR 43	0 0	0	0	0	45.21	28.36		FN0027/31	1		
		PHOTOMETRICS (LANDER)												
21C003/054	18.44 59	COLOR	215.0/227.5	-30 .12	1/1	1	3	REC/UH	16K	12	283.6/ 6 6	334/-14	303/19:11:28	01:09.2
		BLU	ISDR 106	106 1	0	0	0	33.70	13.78		FN0027/32	1		
		GRN	ISDR 105	106 1	1	1	1	36.59	15.66		FN0027/33	1		
		RED	ISDR 105	106 1	1	1	1	41.41	15.51		FN0027/34	1		
		PHOTOMETRICS (SURFACE)												
21C004/054	18 47 59	IR	215.0/227.5	-30 .12	9/1	1	3	REC/UH	16K	12	284.1/ 6.1	335/-14	303/19:14:28	01:09.2
		IR3	ISDR 105	0 0	0	0	0	35.04	11.99		FN0027/35	1		
		IR2	ISDR 104	0 0	1	1	1	34.27	11.65		FN0027/36	1		
		IR1 *	ISDR 104	0 0	1	1	1	38.16	14.56		FN0027/37	1		
		PHOTOMETRICS (SURFACE)												
22C005/055	05:13 55	SINGLE	125.0/130.0	0 .04	4/2	1	0	REC/UH	16K	-17	72.1/ 2.7	307/ 4	304/06:19:59	00:29.2
		SUN	SDR 133	126 7	0	0	0	136.75	2.46		FN0028/01	1		
		SOLAR EXTINCTION												
22C006/055	05:33 55	SINGLE	127.5/137.5	0 .04	4/2	1	1	REC/UH	16K	-17	75.7/ 5.9	310/ 1	304/06:39:59	00:55.8
		SUN	SDR 258	251 7	0	0	0	68.09	2.06		FN0028/02	1		
		SOLAR EXTINCTION												
22C007/055	06.08 55	SINGLE	135.0/140.0	10 .04	4/2	1	2	REC/UH	16K	-17	81.8/11 4	317/ +3	304/07:14:59	00:29.2
		SUN	SDR 133	126 7	0	0	0	31.13	1.80		FN0028/03	1		
		SOLAR EXTINCTION												
22C008/055	09.55.00	SINGLE	305.0/310.0	-10 .12	14/3	1	5	REC/UH	16K	-6	129.6/46 3	1/-39	304/11:01:03	00:11.4
		SURV	SDR 51	43 8	0	0	0	67.30	40.88		FN0028/04	1		
		7-CHANNEL OF RTC (SURVEY)												
22C009/055	09:58 00	COLOR	305.0/310.0	-10 .12	1/1	1	5	REC/UH	16K	-6	130.5/46.7	1/-39	304/11:04:03	00:29.2
		BLU	SDR 44	44 1	0	0	0	66.42	50.18		FN0028/05	1		
		GRN	SDR 44	44 1	0	0	0	70.05	50.37		FN0028/06	1		
		RED	SDR 43	44 1	1	1	1	67.41	38.50		FN0028/07	1		
		COLOR OF 7 CHAN SET(3 EVENTS)												

VIKING PROJECT LIBRARY
 VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA - RSCN TION /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS		
22C010/055	10-01 00	IR	305 0/310.0	-10 .12	9/1	1	5	REC/UH	16K	-6	131 4/47.0	2/-40	304/11:07:03	00:29.2
		IR3	ISDR 43	0 0	0	0		54.94	28.48		FN0028/08	1		
		IR2	ISDR 43	0 0	0	0		54.66	27.71		FN0028/09	1		
		IR1	ISDR 43	0 0	0	0		57.89	26.15		FN0028/10	1		
		IR OF 7 CHAN SET(3 EVENTS)												
21C011/055	10 29 35	SINGLE	200.0/235 0	-10 .04	2/2	1	4	RT/UH	16K	2	140 4/50.3	185/-44	304/11:35:39	03:07.0
		GRN *	ISDR 874	0 0	2	2		123.99	26.31		FN0028/11	1		
		HI-RES COLOR MOSAIC (GRN)												
21C012/055	11 07.15	SINGLE	157.5/202 5	-10 .04	2/2	1	4	RT/UH	16K	2	153 8/53.6	196/-48	304/12:13:19	03:52.0
		GRN *	ISDR 654	0 0	472	3		119.37	32.47		FN0028/12	2		
		HI-RES COLOR MOSAIC (GRN)												
21C013/055	12-20 00	COLOR	177.5/272.5	-30 .12	1/1	1	3	REC/UH	16K	6	183 5/56 0	223/-54	304/13:26:03	08:29.1
		BLU *	ISDR 794	794 1	0	0		176.24	66.39		FN0028/13	1		
		GRN *	ISDR 794	794 1	0	0		150.65	74.22		FN0028/14	1		
		RED *	ISDR 793	794 1	1	1		130.09	69.27		FN0028/15	1		
		7-CHANNEL MOSAIC (COLOR)												
21C014/055	12-30 00	IR	177.5/272 5	-30 .12	9/1	1	3	REC/UH	16K	10	187.7/55.8	227/-55	304/13:36:03	08:29.1
		IR3	ISDR 791	0 0	2	2		174.24	66.13		FN0028/16	1		
		IR2	ISDR 792	0 0	1	1		174.75	63.85		FN0028/17	1		
		IR1 *	ISDR 792	0 0	1	1		152.61	71.65		FN0028/18	1		
		IR OF 7 CHAN SET(3 EVENTS)												
21C015/055	12-40.00	SINGLE	177 5/272 5	-30 .12	14/3	1	3	REC/UH	16K	12	191.9/55.5	231/-55	304/13:46:03	02:51.4
		SURV	ISDR 796	793 3	0	0		130.09	68.21		FN0028/19	1		
		SURVEY OF 7 CHAN SET(3 EVENTS)												
22C016/056	09.44:59	SINGLE	305.0/310.0	-10 .12	14/3	1	5	REC/UH	16K	-8	127.0/44 9	358/-37	305/11:30:38	00:11.4
		SURV	ISDR 47	43 5	1	1		74.35	39.46		FN0028/20	1		
		7-CHANNEL OF RTC (SURVEY)												
22C017/056	09:47 59	COLOR	305 0/310.0	-10 .12	1/1	1	5	REC/UH	16K	-8	127 8/45.3	359/-38	305/11:33:38	00:29.2
		BLU	SDR 44	44 1	0	0		73.24	48.99		FN0028/21	1		
		GRN	SDR 44	44 1	0	0		77.12	49.22		FN0028/22	1		
		RED	SDR 43	44 1	1	1		73.94	36.98		FN0028/23	1		
		COLOR OF 7 CHAN SET(3 EVENTS)												
22C018/056	09-50.59	IR	305.0/310.0	-10 .12	9/1	1	5	REC/UH	16K	-8	128.7/45.7	0/-38	305/11:36:38	00:29.2
		IR3	SDR 43	0 0	0	0		58.73	27.09		FN0028/24	1		
		IR2	SDR 43	0 0	0	0		57.49	26.59		FN0028/25	1		
		IR1	SDR 43	0 0	0	0		59.16	25.12		FN0028/26	1		
		IR OF 7 CHAN SET(3 EVENTS)												

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMF	DURA- TION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS				
21C019/056	10:23	30	SINGLE 200.0/235.0 RED * ISDR 875 HI-RES COLOR MOSAIC	-10	.04	3/2	1	4	RT/UH 137.23	16K 30.02	-2	138.6/49.5 FN0028/27	184/-43 1	305/12:09:09	03:07.0	
21C020/056	11:01	10	SINGLE 157.5/202.5 RED * ISDR 895 HI-RES COLOR MOSAIC	-10	.04	3/2	1	4	RT/UH 139.34	16K 33.44	0	151.7/53.0 FN0028/28	195/-47 2	305/12:46:49	03:52.0	
22C021/056	14:01	48	SINGLE 290.0/295.0 BB3 ISDR 135 BACKHOE IN MIRROR	-20	.04	13/2	1	4	REC/UH 63.13	16K 54.58	4	222.2/49.2 FN0028/29	88/-53 1	305/15:47:27	00:29.2	
22C022/056	14:10	12	SINGLE 85.0/ 92.5 BB1 * ISDR 196 VIEW OF BACKHOE	-10	.04	8/2	1	4	REC/UH 129.12	16K 42.56	6	224.9/48.3 FN0028/30	91/-52 1	305/15:55:52	00:42.5	
22C023/056	14:29	45	SINGLE 85.0/ 95.0 BB2 * ISDR 259 COLLECTOR HEAD ON SURFACE	-30	.04	0/2	1	4	REC/UH 110.90	16K 54.56	6	230.7/45.9 FN0028/31	98/-51 1	305/16:15:25	00:55.8	
22C024/056	14:42	39	SINGLE 290.0/297.5 BB3 SDR 196 COLLECTOR HEAD IN MIRROR	-20	.04	13/2	1	4	REC/UH 53.39	16K 37.66	6	234.3/44.2 FN0028/32	103/-49 1	305/16:28:19	00:42.5	
22C025/056	14:50	36	SINGLE 85.0/ 92.5 BB1 * SDR 196 BACKHOE	-10	.04	8/2	1	4	REC/UH 124.49	16K 42.60	6	236.4/43.2 FN0028/33	105/-49 1	305/16:36:16	00:42.5	
22C026/056	14:54	24	SINGLE 85.0/ 92.5 BB1 * SDR 196 BACKHOE	-10	.04	8/2	1	4	REC/UH 124.29	16K 43.02	6	237.4/42.6 FN0028/34	106/-48 1	305/16:40:04	00:42.5	
21C027/056	14:59	25	SINGLE 282.5/290.0 BB1 * SDR 196 BOOM IN MIRROR	-30	.04	8/2	1	4	REC/UH 113.39	16K 62.40	8	238.7/41.9 FN0028/35	284/-48 1	305/16:45:05	00:42.5	
21C028/056	15:01	59	SINGLE 282.5/290.0 BB1 * SDR 196 BOOM IN MIRROR	-30	.04	8/2	1	4	REC/UH 118.25	16K 61.31	8	239.4/41.6 FN0028/36	285/-47 1	305/16:47:39	00:42.5	
21C029/056	15:04	29	SINGLE 282.5/290.0 BB1 * SDR 196 BOOM IN MIRROR	-30	.04	8/2	1	4	REC/UH 115.53	16K 62.55	8	240.0/41.2 FN0028/37	286/-47 1	305/16:50:09	00:42.5	
22C030/056	15:11	54	SINGLE 290.0/295.0 BB3 SDR 133 BACKHOE IN MIRROR	-20	.04	13/2	1	4	REC/UH 41.89	16K 24.34	8	241.9/40.2 FN0028/38	112/-46 1	305/16:57:34	00:29.2	

VIKING PROJECT LIBRARY
 VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP (C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21C031/056	17:27:59	SINGLE BB2 * TRENCH	280.0/290.0 ISDR 252	-30 251	.04 3	0/2 2	1 2	4 85.17	REC/UH 33.43	16K	10	269 8/18 8	320/-26	305/19:13:38	00:55.8
22C032/056	17:30:59	SINGLE BB2 * STEREO TO 21C031	85.0/ 95 0 ISDR 259	-30 251	.04 8	0/2 0	1 0	4 65.23	REC/UH 31.60	16K	8	270.3/18.3	145/-26	305/19:16:38	00:55.8
22C033/057	06:50:20	SINGLE BB1 * BOOM IN MIRROR	115.0/125.0 ISDR 257	-50 251	.04 6	8/2 0	1 0	4 38 05	REC/UH 18 25	16K	-15	89.5/18.0	324/-9	306/09:15:34	00:55.8
22C034/057	06:52:45	SINGLE BB1 * BOOM IN MIRROR	115 0/125 0 SDR 257	-50 251	.04 6	8/2 0	1 0	4 38 21	REC/UH 17.81	16K	-15	89.9/18.4	325/-10	306/09:17:59	00:55.8
22C035/057	06:55:12	SINGLE BB1 * BOOM IN MIRROR	115.0/125.0 ISDR 253	-50 251	.04 3	8/2 1	1 1	4 37.77	REC/UH 17.08	16K	-15	90.4/18.8	325/-10	306/09:20:26	00:55.8
21C036/057	07:01:57	SINGLE BB3 * MORNING HI-RES MOSAIC	315 0/335 0 ISDR 508	-30 501	.04 7	13/2 0	1 0	4 50 67	REC/UH 20.46	16K	-12	91.6/19.9	143/-11	306/09:27:11	01:49.2
22C037/057	07:31:24	COLOR BLU GRN RED BACKHOE AND RTC (COLOR)	285.0/297.5 SDR 106 SDR 106 SDR 106	-20 106 106 106	.12 1 1 1	1/1 0 0 0	1 0 0 0	4 72 10 72 00 64.01	REC/UH 39.89 43 64 49.38	16K	-13	97.0/24 6	332/-16	306/09:56:38	01:09.2
22C038/057	07:33:17	IR IR3 IR2 IR1 BACKHOE AND RTC (IR)	285 0/297 5 SDR 106 SDR 106 SDR 106	-20 106 106 106	.12 1 1 1	9/1 0 0 0	1 0 0 0	4 67.54 67.23 70.35	REC/UH 38.79 38 09 38.24	16K	-12	97.4/25.0	332/-16	306/09:58:31	01:09.2
22C039/057	07:35:14	SINGLE BB1 BACKHOE AND RTC (HI-RES)	285 0/297 5 SDR 321	-10 314	.04 7	8/2 0	1 0	4 73 89	REC/UH 45.46	16K	-12	97.8/25.3	332/-17	306/10:00:28	01:09.2
22C040/057	09:09 06	SINGLE SURV COLLECTOR HEAD OVER XRF5	305.0/335 0 SDR 258	-30 251	.12 7	14/3 0	1 0	3 109.37	REC/UH 61.48	16K	-6	117.8/39.8	351/-32	306/11:34:20	00:55.8
21C041/057	09:30:59	SINGLE BB2 * PURGE SITE	290.0/300.0 SDR 258	-30 251	.04 7	0/2 0	1 0	4 70.91	REC/UH 34.53	16K	-2	123.4/42.9	171/-35	306/11:56:13	00:55.8

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA TION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS					
22C042/057	09:32	59	SINGLE 90.0/100.0 BB2 * SDR 258 PURGE SITE	-40 .04 251 7	0/2 0	1 4	REC/UH 81.04	16K 33.72	-4	123.9/43.2 FN0029/14	356/-35 1	306/11	01:58:13	00:55.8	
21C043/057	09:35	59	SINGLE 320 0/335 0 SURV SDR 133 BOOM IN PARK POSITION	-30 .12 126 7	14/3 0	1 4	REC/UH 57.17	16K 43.65	-2	124.7/43.6 FN0029/15	172/-36 1	306/12	01:13	00:29.2	
21C044/057	09:38	59	SINGLE 280.0/290 0 BB2 * SDR 256 TRENCH X-RAY	-30 .04 251 5	0/2 0	1 4	REC/UH 80.11	16K 32.83	-2	125.5/44 0 FN0029/16	173/-36 1	306/12	04:13	00:55.8	
22C045/057	09:40	59	SINGLE 85.0/ 95 0 BB2 * ISDR 257 STEREO TO 21C044	-30 .04 251 6	0/2 0	1 4	REC/UH 87.49	16K 33.85	-4	126.1/44.2 FN0029/17	358/-36 1	306/12	06:13	00:55.8	
21C046/057	10:17.3*		SINGLE 200 0/235 0 BLU * ISDR 875 HI-RES COLOR MOSAIC	-10 .04 0 0	1/2 1	1 4	RT/UH 107.29	16K 23.06	0	136.8/48.7 FN0029/18	183/-42 1	306/12	42:45	03:07.0	
21C047/057	10:55	11	SINGLE 157.5/202 5 BLU * ISDR 909 HI-RES COLOR MOSAIC	-10 .04 0 0	1/2 217	1 4	RT/UH 109.42	16K 27.64	2	149.6/52.4 FN0029/19	193/-46 2	306/13	20:25	03:52.0	
21C048/057	12:19	59	COLOR 102.5/177.5 BLU * SDR 627 GRN * SDR 627 RED * SDR 626 HIGH GAIN TRIPLICATE (COLOR)	-10 .12 627 1 627 1 627 1	1/1 0 0 1	1 3	REC/UH 136.01 141.63 139.88	16K 44.62 52.44 56.92	6	183.6/55.6 FN0029/20 FN0029/21 FN0029/22	223/-54 1 1 1	306/14	45:13	06:42.5	
21C049/057	12:29	59	IR 102.5/177.5 IR3 ISDR 626 IR2 ISDR 625 IR1 * ISDR 624 IR OF 7 CHAN SET(3 EVENTS)	-10 .12 0 0 0 0 0 0	9/1 0 1 2	1 3	REC/UH 136.88 134.88 140.42	16K 56.39 56.82 60.19	8	187.8/55.4 FN0029/23 FN0029/24 FN0029/25	227/-54 1 1 1	306/14	55:13	06:42.5	
21C050/057	12:39	58	SINGLE 102.5/177.5 SURV SDR 634 SURVEY OF 7 CHAN SET(3 EVENTS)	-10 .12 626 8	14/3 0	1 3	REC/UH 138.97	16K 54.79	10	191.9/55.2 FN0029/26	231/-54 1	306/15	05:13	02:15.8	
22C051/058	09:09	07	SINGLE 305.0/335.0 SURV SDR 256 COLLECTOR HEAD OVER XRFS	-30 .12 251 7	14/3 2	1 3	REC/UH 109.22	16K 61.71	-8	118.0/39.7 FN0030/01	351/-31 1	307/12	13:56	00:55.8	
21C052/058	09:36	00	SINGLE 320.0/335.0 SURV SDR 133 BOOM IN PARK POSITION	-30 .12 126 7	14/3 0	1 4	REC/UH 56.90	16K 43.98	0	124.9/43.4 FN0030/02	173/-36 1	307/12	40:49	00:29.2	

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA TION	RSCN /DUST	
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS				
22C053/05B	09:39 00	SINGLE BB2 * X-RAY TRENCH	85 0/ ISDR 255	95.0 251	-30 5	.04	0/2 1	1 1	4 86.36	REC/UH 34.04	16K	-6 FNO030/03	125.7/43.8 357/-36	307/12:43:49	00:55.8	1
21C054/05B	10:11 20	SINGLE BLU * HI-RES	200 0/ SDR 875 COLOR MOSAIC	0 0	.04 0	1/2 (BLU)	1 1	1 1	4 112.38	RT/UH 27.23	16K	2 FNO030/04	135.1/47.8 181/-41	307/13:16:09	03:07.0	1
21C055/05B	10 49.00	SINGLE BLU * HI-RES	157.5/202.5 ISDR 1061 COLOR MOSAIC	0 0	.04 0	1/2 (BLU)	65	2	4 111.59	RT/UH 35.68	16K	-17 FNO030/05	147.6/51.7 191/-46	307/13:53:49	03:52.0	2
21C056/05B	12 19.59	COLOR BLU * GRN * RED * HIGH GAIN TRIPLICATE	10 0/110.0 ISDR 834 ISDR 835 ISDR 835 (COLOR)	-10 835 835 835	.12 1 1 1	1/1	1 1 0 0	3 1 0 0	REC/UH 108.49 108.06 106.86	16K 41.11 43.00 41.34	8	183 7/55.4 FNO030/06 FNO030/07 FNO030/08	223/-54	307/15:24:49	08:55.8	1 1 1 1
21C057/05B	12:29 59	IR IR3 IR2 IR1 * IR OF 7	10.0/110 0 ISDR 835 ISDR 834 ISDR 834 CHAN SET(3 EVENTS)	-10 835 835 835	.12 1 1 1	9/1	1 0 1 1	3 0 1 1	REC/UH 102.96 100.60 103.89	16K 43.59 44.49 43.64	10	187.9/55.3 FNO030/09 FNO030/10 FNO030/11	227/-54	307/15:34:49	08:55.8	1 1 1 1
21C058/05B	12:39 59	SINGLE SURV SURVEY OF 7	10.0/110 0 ISDR 837 CHAN SET(3 EVENTS)	-10 834	.12 3	14/3	0	3	REC/UH 111.13	16K 40.61	12	192.0/55.0 FNO030/12	231/-54	307/15:44:49	03:00.3	1
21C059/059	10:04 49	SINGLE GRN * HI-RES	200.0/235 0 ISDR 875 COLOR MOSAIC	0 0	.04 0	2/2 (GRN)	1 1	4 1	RT/UH 127.83	16K 28.68	0	133.3/46.9 FNO030/13	180/-40	308/13:49:14	03:07.0	1
21C060/059	10 42 29	SINGLE GRN * HI-RES	157 5/202 5 ISDR 933 COLOR MOSAIC	0 0	.04 0	2/2 (GRN)	193	1	4 128.17	RT/UH 32.74	16K	0 FNO030/14	145.4/50.9 190/-45	308/14:26:53	03:52.0	2
21C061/059	11:09 59	SINGLE BLU * HI-RES	80 0/157.5 ISDR 1945 COLOR MOSAIC	0 1939	.04 7	1/2 (BLU)	1 1	4 84.40	REC/UH 33.84	16K	4	155 4/53.2 FNO030/15	198/-48	308/14:54:24	06:55.8	3
21C062/059	11:19 59	SINGLE GRN * HI-RES	80.0/157.5 ISDR 1942 COLOR MOSAIC	0 1939	.04 3	2/2 (GRN)	0	4 0	REC/UH 83.70	16K 31.25	6	159.3/53.8 FNO030/16	201/-49	308/15:04:24	06:55.8	3
21C063/059	11 29 59	SINGLE RED * HI-RES	80.0/157.5 ISDR 1944 COLOR MOSAIC	0 1939	.04 5	3/2 (RED)	0 0	4 84.41	REC/UH 36.49	16K	6	163.2/54.3 FNO030/17	205/-50	308/15:14:24	06:55.8	3

VIKING PROJECT LIBRARY
VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURA- TION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE		# OF EDR SEGMENTS			
21C064/060	09:58:14	SINGLE	200.0/235.0	0 .04	3/2	1	4	RT/UH	16K	-2	131.5/46.0	178/-39	309/14:22:14	03:07.0	
		RED *	SDR 875	0 0	1	1		134.98	28.63		FN0030/18	1			
		HI-RES COLOR MOSAIC		(RED)											
21C065/060	10:35:53	SINGLE	157.5/200.0	0 .04	3/2	1	4	RT/UH	16K	0	143.4/50.2	188/-44	309/14:59:54	03:52.0	
		RED *	ISDR 821	0 0	243	1		136.12	32.05		FN0030/19	2			
		HI-RES COLOR MOSAIC		(RED)											
22C066/060	11:09:59	COLOR	265.0/305.0	-10 .12	1/1	1	3	REC/UH	16K	-2	155.6/53.0	22/-48	309/15:33:59	03:35.8	
		BLU *	ISDR 335	335 1	0	0		11.06	52.43		FN0030/20	1			
		GRN *	ISDR 335	335 1	0	0		118.14	53.57		FN0030/21	1			
		RED *	ISDR 335	335 1	0	0		129.75	55.66		FN0030/22	1			
		HIGH GAIN TRIPLICATE (COLOR)													
22C067/060	11:19:59	IR	265.0/305.0	-10 .12	9/1	1	3	REC/UH	16K	-2	159.4/53.6	25/-49	309/15:43:59	03:35.8	
		IR3	ISDR 336	335 2	0	0		115.94	50.41		FN0030/23	1			
		IR2	ISDR 335	335 2	1	1		112.82	50.22		FN0030/24	1			
		IR1 *	ISDR 335	335 2	1	1		116.35	52.39		FN0030/25	1			
		IR OF 7 CHAN SET(3 EVENTS)													
22C068/060	11:29:59	SINGLE	265.0/305.0	-10 .12	14/3	1	3	REC/UH	16K	0	163.3/54.1	29/-50	309/15:53:59	01:13.6	
		SURV	ISDR 342	334 8	0	0		126.83	54.91		FN0030/26	1			
		SURVEY OF 7 CHAN SET(3 EVENTS)													
21C069/061	09:51:21	SINGLE	240.0/275.0	-10 .04	13/2	1	4	RT/UH	16K	2	129.7/45.0	177/-37	310/14:54:56	03:07.0	
		BB3 *	ISDR 875	0 0	1	1		112.63	45.93		FN0030/27	1			
		MORNING RTI HI-RES MOSAIC													
21C070/061	10:29:00	SINGLE	292.5/335.0	-10 .04	3/2	1	4	RT/UH	16K	4	141.3/49.3	186/-43	310/15:32:36	03:52.0	
		RED *	ISDR 705	0 0	359	5		95.57	54.83		FN0030/28	2			
		HI-RES COLOR MOSAIC		(RED)											

**VL-2 HIGH-RESOLUTION CAMERA EVENTS
IN EVENT ORDER**

VL-2

HIGH-RESOLUTION CAMERA EVENTS IN EVENT ORDER

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN	CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN	
22A001/000	09:48	58	BB1	92.5	160.0	-50	.04	1	4	22A095/014	06:05:59	BB1	55.0	130.0	-50	.04	1	3
22A005/000	17:29	59	BB2	80.0	127.5	-30	.04	1	4	22A096/014	09:02:45	BB3	77.5	200.0	-10	.04	1	4
22A007/001	09:28	56	BB2	80.0	127.5	-30	.04	1	4	22A097/014	09:37:31	BB3	10.0	90.0	-10	.04	1	4
22A008/001	10:53	49	BB1	117.5	155.0	-50	.04	1	4	21A098/014	13:57:11	BB1	260.0	260.0	-40	.04	1	4
22A009/001	11:14	59	BB1	295.0	305.0	-30	.04	1	5	22A103/014	17:29:59	BB2	157.5	182.5	-30	.04	1	4
22A010/001	13:42	11	BB1	125.0	125.0	-50	.04	1	4	22A104/014	17:53:59	BB4	182.5	230.0	-10	.04	1	4
22A011/001	17:29	59	BB3	60.0	145.0	-10	.04	1	4	22A105/015	09:01:09	BB4	220.0	335.0	0	.04	1	4
22A015/002	13:42	11	BB1	125.0	125.0	-50	.04	1	4	22A106/015	09:35:54	BB4	160.0	235.0	0	.04	1	4
22A020/003	09:24	59	BB1	80.0	160.0	-50	.04	1	4	22A107/015	13:42:10	BB1	90.0	90.0	-40	.04	1	4
21A023/003	15:53	59	BB1	35.0	40.0	-20	.04	1	4	21A108/015	14:49:59	BB4	27.5	65.0	-10	.04	1	4
21A024/003	17:49	00	BB3	270.0	297.5	-20	.04	1	4	21A110/015	16:59:59	BB2	227.5	237.5	-30	.04	1	4
22A027/004	08:09	00	BB1	305.0	310.0	-20	.04	1	4	21A111/015	17:54:59	BB3	285.0	315.0	-10	.04	1	4
21A031/004	17:00	00	BB1	182.5	255.0	-50	.04	1	4	21A114/016	08:59:37	BB2	215.0	332.5	-30	.04	1	4
21A032/004	17:30	00	BB2	275.0	305.0	-30	.04	1	4	21A115/016	09:34:22	BB2	152.5	227.5	-30	.04	1	4
21A034/005	09:21	09	BB3	270.0	297.5	-20	.04	1	4	21A117/016	13:39:10	BB1	260.0	260.0	-40	.04	1	4
21A039/006	09:19	16	BB1	200.0	280.0	-50	.04	1	4	22A118/016	17:17:59	BB4	10.0	67.5	0	.04	1	4
21A040/006	11:00	00	BB1	35.0	60.0	-20	.04	1	4	22A119/016	17:25:59	BB3	167.5	187.5	-30	.04	1	4
22A041/006	11:15	00	BB1	295.0	305.0	-30	.04	1	5	22A121/016	17:39:59	BB3	12.5	60.0	-20	.04	1	4
21A042/006	11:20	00	BB1	40.0	50.0	-30	.04	1	5	21A122/017	08:57:40	BB4	135.0	185.0	-10	.04	1	4
21A044/006	17:30	00	BB2	232.5	275.0	-30	.04	1	4	21A123/017	09:32:34	BB4	182.5	257.5	-10	.04	1	4
22A046/006	17:40	00	BB2	37.5	47.5	-20	.04	1	4	22A124/017	10:02:58	BB1	290.0	295.0	-20	.04	1	3
21A050/007	09:17	23	BB4	200.0	290.0	0	.04	1	4	21A125/017	11:19:59	BB1	40.0	57.5	-30	.04	1	5
21A052/007	16:00	00	BB2	182.5	232.5	-30	.04	1	4	22A126/017	12:25:10	BB1	135.0	135.0	-40	.04	1	4
21A054/008	09:15	33	BB4	260.0	335.0	0	.04	1	4	21A127/017	17:29:58	BB4	60.0	75.0	0	.04	1	4
22A055/008	12:52	11	BB1	135.0	135.0	-40	.04	1	4	21A128/017	17:49:58	BB2	157.5	182.5	-30	.04	1	4
22A056/008	14:29	59	BB2	37.5	47.5	-20	.04	1	4	21A129/018	08:58:55	BB4	15.0	65.0	-10	.04	1	4
21A057/008	14:51	33	BB2	227.5	237.5	-30	.04	1	4	21A130/018	09:33:50	BB4	255.0	330.0	-10	.04	1	4
22A058/008	14:53	33	BB2	37.5	47.5	-20	.04	1	4	21A131/018	13:21:11	BB1	260.0	260.0	-40	.04	1	4
21A059/008	14:56	33	BB3	162.5	190.0	-10	.04	1	4	21A132/018	17:19:59	BB1	252.5	292.5	-50	.04	1	4
21A061/008	17:45	59	BB1	275.0	282.5	-10	.04	1	3	22A133/018	17:24:59	BB3	285.0	315.0	-10	.04	1	4
21A062/009	07:49	59	BB2	227.5	237.5	-30	.04	1	4	21A134/018	17:29:59	BB4	30.0	60.0	-10	.04	1	4
22A063/009	07:51	59	BB2	37.5	47.5	-20	.04	1	4	22A135/018	17:34:59	BB4	270.0	335.0	0	.04	1	4
21A065/009	08:03	59	BB3	157.5	162.5	-10	.04	1	4	22A136/019	08:57:30	BB4	10.0	60.0	0	.04	1	4
22A067/009	09:13	44	BB4	10.0	90.0	0	.04	1	4	22A137/019	09:32:24	BB4	57.5	132.5	-10	.04	1	4
21A068/009	12:00	10	BB1	245.0	245.0	-40	.04	1	4	22A138/019	.2:25:10	BB3	67.5	67.5	-10	.04	1	4
21A069/009	16:49	58	BB3	190.0	217.5	-10	.04	1	4	21A139/019	17:19:59	BB4	75.0	125.0	0	.04	1	4
22A070/010	07:49	59	BB2	37.5	47.5	-20	.04	1	4	22A140/019	17:27:59	BB4	235.0	272.5	0	.04	1	4
21A071/010	09:11	58	BB4	135.0	225.0	0	.04	1	4	22A141/019	17:34:59	BB4	185.0	235.0	-10	.04	1	4
22A073/010	12:10	11	BB1	135.0	135.0	-40	.04	1	4	21A142/019	17:41:59	BB4	125.0	165.0	10	.04	1	4
21A074/010	15:44	59	BB1	12.5	27.5	-20	.04	1	5	22A143/019	17:49:59	BB4	67.5	107.5	-10	.04	1	4
21A075/010	17:29	59	BB3	217.5	265.0	-10	.04	1	4	21A146/020	13:21:10	BB1	260.0	260.0	-40	.04	1	4
21A076/011	09:10	13	BB4	70.0	160.0	0	.04	1	4	21A147/020	17:19:43	BB4	165.0	215.0	0	.04	1	4
21A078/011	14:30	10	BB1	245.0	245.0	-40	.04	1	4	22A148/020	17:29:43	BB4	107.5	185.0	-10	.04	1	4
21A079/012	09:06	03	BB1	212.5	327.5	-50	.04	1	4	21A149/020	17:37:43	BB4	215.0	260.0	0	.04	1	4
21A080/012	09:40	48	BB1	175.0	250.0	-50	.04	1	4	21A150/020	17:44:43	BB3	125.0	147.5	-10	.04	1	4
21A085/012	15:15	10	BB1	260.0	260.0	-40	.04	1	4	21A151/020	17:49:43	BB4	260.0	282.5	-10	.04	1	4
22A088/013	09:04	23	BB2	77.5	200.0	-30	.04	1	4	22A154/021	10:10:58	BB2	115.0	125.0	-30	.04	1	4
22A089/013	09:39	08	BB2	10.0	90.0	-30	.04	1	4	22A155/021	10:14:18	BB2	115.0	125.0	-30	.04	1	4
21A090/013	11:06	32	BB1	35.0	60.0	-20	.04	1	4	22A156/021	10:18:18	BB2	115.0	125.0	-30	.04	1	4
22A091/013	14:24	10	BB1	90.0	90.0	-40	.04	1	4	21A161/021	17:29:42	BB4	282.5	302.5	-10	.04	1	4
22A093/013	17:19	59	BB3	145.0	182.5	-10	.04	1	4	22A162/021	17:39:59	BB2	115.0	125.0	-30	.04	1	4

VL-2 High-Resolution Camera Events in Event Order

HIGH-RESOLUTION CAMERA EVENTS IN EVENT ORDER

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN	CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22A163/021	17:54:59	BB2	127.5	157.5	-30	.04	1	4	22B014/032	14:59:59	BB3	10.0	12.5	-20	.04	1	4
21A164/022	07:09:59	BB4	142.5	250.0	0	.04	1	4	21B015/033	06:44:59	BB1	177.5	257.5	-50	.04	1	4
21A167/022	13:20:54	BB1	260.0	260.0	-40	.04	1	4	22B020/033	10:29:59	BB1	285.0	290.0	-20	.04	1	4
21A168/022	17:29:42	BB4	302.5	335.0	-10	.04	1	4	21B021/033	11:56:52	BB1	170.0	270.0	-40	.04	1	4
21A174/023	06:49:41	BB2	262.5	305.0	-30	.04	1	4	21B022/033	12:32:18	BB3	240.0	310.0	-30	.04	1	4
22A176/023	06:59:41	BB1	115.0	162.5	-50	.04	1	4	22B025/034	06:45:00	BB2	10.0	20.0	-30	.04	1	4
22A178/023	07:09:41	BB2	77.5	127.5	-30	.04	1	4	22B028/034	10:41:36	BB2	102.5	112.5	-30	.04	1	4
21A193/024	06:59:59	BB2	305.0	322.5	-40	.04	1	4	21B029/034	10:43:21	BB2	292.5	302.5	-30	.04	1	4
21A197/024	14:33:11	BB1	260.0	260.0	-40	.04	1	4	22B030/034	10:48:10	BB2	102.5	112.5	-30	.04	1	4
21A204/025	06:54:58	BB4	27.5	62.5	-10	.04	1	4	21B031/034	10:49:55	BB2	292.5	302.5	-30	.04	1	4
22A205/025	06:59:58	BB1	52.5	110.0	-50	.04	1	4	21B032/034	11:54:18	BB2	150.0	250.0	-20	.04	1	4
22A206/025	07:06:58	BB3	127.5	192.5	-30	.04	1	4	21B033/034	12:29:44	BB1	210.0	280.0	-50	.04	1	4
22A207/025	07:14:58	BB3	265.0	307.5	-10	.04	1	4	21B034/035	11:51:55	BB3	150.0	225.0	-10	.04	1	4
21A216/025	17:29:59	BB3	260.0	285.0	-20	.04	1	4	21B035/035	12:30:10	BB2	277.5	315.0	-40	.04	1	4
21A219/026	13:15:11	BB1	260.0	260.0	-40	.04	1	4	21B039/036	05:49:59	BB4	215.0	260.0	-10	.04	1	4
22A220/027	06:59:59	BB4	117.5	215.0	-10	.04	1	4	21B040/036	07:00:59	BB2	150.0	265.0	-30	.04	1	4
21A221/027	12:06:16	BB4	122.5	250.0	0	.04	1	4	22B041/036	07:39:59	BB1	25.0	32.5	-20	.04	1	4
21A222/027	12:44:01	BB4	250.0	295.0	-10	.04	1	4	22B044/036	11:49:12	BB3	115.0	190.0	-30	.04	1	4
22A223/028	06:54:59	BB4	215.0	325.0	0	.04	1	4	22B045/036	12:27:27	BB2	10.0	47.5	-30	.04	1	4
21A225/028	12:07:23	BB3	130.0	260.0	-20	.04	1	4	22B046/037	11:46:21	BB2	45.0	120.0	-30	.04	1	4
21A226/028	12:45:08	BB4	290.0	335.0	-10	.04	1	4	22B047/037	12:24:36	BB2	95.0	140.0	-30	.04	1	4
21A227/028	16:11:13	BB2	230.0	240.0	-20	.04	1	4	21B048/037	16:10:30	BB2	292.5	302.5	-30	.04	1	4
21A229/028	17:46:27	BB2	290.0	300.0	-30	.04	1	4	21B049/037	16:16:11	BB2	292.5	302.5	-30	.04	1	4
21A230/028	18:04:59	BB2	230.0	240.0	-20	.04	1	4	21B051/037	17:39:58	BB2	292.5	302.5	-30	.04	1	4
22A236/029	06:44:59	BB4	60.0	117.5	-10	.04	1	4	21B054/038	07:00:00	BB3	120.0	215.0	-10	.04	1	4
21A237/029	12:05:41	BB4	10.0	140.0	0	.04	1	4	22B056/038	10:30:00	BB1	290.0	310.0	-30	.04	1	4
21A239/029	12:43:26	BB4	30.0	75.0	-20	.04	1	4	22B057/038	11:43:23	BB1	90.0	165.0	-50	.04	1	4
22A239/029	13:40:38	BB2	115.0	125.0	-30	.04	1	4	22B058/038	12:21:38	BB1	55.0	92.5	-50	.04	1	4
21A241/029	14:07:26	BB2	290.0	300.0	-30	.04	1	4	21B059/038	17:29:59	BB3	145.0	192.5	-10	.04	1	4
22A242/029	14:19:59	BB2	115.0	125.0	-30	.04	1	4	21B060/038	17:39:59	BB1	252.5	330.0	-50	.04	1	4
22A243/030	06:44:59	BB1	110.0	115.0	-50	.04	1	4	22B061/039	06:45:00	BB2	15.0	90.0	-30	.04	1	4
21A246/030	11:07:27	BB2	290.0	300.0	-30	.04	1	4	22B090/041	17:29:59	BB4	185.0	195.0	-20	.04	1	4
22A247/030	11:19:10	BB2	115.0	125.0	-30	.04	1	4	22B091/041	17:32:59	BB2	55.0	85.0	-30	.04	1	4
21A248/030	11:31:04	BB2	282.5	292.5	-30	.04	1	4	21B093/042	06:49:59	BB2	305.0	330.0	-40	.04	1	4
22A249/030	11:32:47	BB2	90.0	100.0	-30	.04	1	4	21B094/042	06:54:59	BB1	257.5	292.5	-50	.04	1	4
21A250/030	11:36:04	BB2	282.5	292.5	-30	.04	1	4	21B095/042	08:59:59	BB4	135.0	192.5	0	.04	1	4
22A251/030	11:37:47	BB2	90.0	100.0	-30	.04	1	4	21B096/042	09:07:59	BB4	235.0	255.0	-10	.04	1	4
22A252/030	12:06:09	BB4	90.0	220.0	-10	.04	1	4	22B098/042	10:29:59	BB1	285.0	290.0	-20	.04	1	4
22A253/030	12:38:18	BB4	210.0	260.0	0	.04	1	4	22B116/045	10:11:39	BB3	117.5	127.5	-30	.04	1	4
22A255/030	15:00:00	BB4	7.5	10.0	0	.04	1	4	22B117/045	10:14:54	BB3	117.5	127.5	-30	.04	1	4
22B000/031	06:39:59	BB4	7.5	115.0	0	.04	1	4	22B118/045	10:23:19	BB2	22.5	32.5	-20	.04	1	4
21B001/031	06:51:59	BB4	250.0	265.0	0	.04	1	4	21B119/045	10:25:19	BB2	210.0	220.0	-30	.04	1	4
22B002/031	07:20:59	BB3	7.5	60.0	-10	.04	1	4	22B120/045	10:29:59	BB2	22.5	32.5	-20	.04	1	4
22B003/031	12:01:37	BB4	235.0	335.0	0	.04	1	4	21B121/045	10:32:59	BB2	210.0	220.0	-30	.04	1	4
22B004/031	12:37:03	BB4	7.5	87.5	0	.04	1	4	21B138/047	06:59:59	BB2	227.5	237.5	-30	.04	1	4
22B005/031	15:00:00	BB1	75.0	77.5	-50	.04	1	4	22B139/047	07:04:59	BB2	37.5	47.5	-20	.04	1	4
21B008/032	06:29:59	BB4	45.0	75.0	0	.04	1	4	22B146/047	13:20:49	BB2	40.0	50.0	0	.04	1	4
21B009/032	06:39:59	BB4	260.0	335.0	-10	.04	1	4	21B148/048	06:11:59	BB2	227.5	237.5	-30	.04	1	4
21B010/032	06:49:59	BB4	75.0	142.5	0	.04	1	4	22B149/048	06:13:59	BB2	37.5	47.5	-20	.04	1	4
22B012/032	11:59:19	BB2	95.0	200.0	-30	.04	1	4	21B195/050	17:30:00	BB2	177.5	237.5	-30	.04	1	4
22B013/032	12:34:45	BB3	25.0	95.0	-10	.04	1	4	21B198/051	06:35:59	BB2	210.0	220.0	-30	.04	1	4

VL-2

HIGH-RESOLUTION CAMERA EVENTS IN EVENT ORDER

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22B199/051	06 37.59	BB2	22 5	32 5	-20	.04	1	4
21B200/051	06 50.59	BB2	210 0	220 0	-30	.04	1	4
21B201/051	06 57.00	BB2	210.0	220 0	-30	.04	1	4
21B203/051	09 05 26	BB2	290.0	300 0	-30	.04	1	4
21B204/051	10 24 59	BB2	210 0	220.0	-30	.04	1	4
22B205/051	10 26 59	BB2	22 5	32 5	-20	.04	1	4
22B211/051	17 20.00	BB4	265.0	305 0	-20	.04	1	4
22B212/051	17 25.00	BB1	7 5	17 5	-30	.04	1	4
21B213/051	17 30.00	BB4	50 0	65.0	0	.04	1	4
21B214/051	17 35.00	BB2	305 0	335 0	-30	.04	1	3
22B215/051	17 45.00	BB1	45.0	165 0	-50	.04	1	3
22B230/054	06 59 00	BB4	115 0	130 0	-10	.04	7	2
22B231/054	07 05.00	BB4	115.0	175 0	-10	.04	2	3
22C021/056	14 01.48	BB3	290 0	295.0	-20	.04	1	4
22C022/056	14 10 12	BB1	85.0	92 5	-10	.04	1	4
22C023/056	14 29 45	BB2	85.0	95 0	-30	.04	1	4
22C024/056	14 42 39	BB3	290.0	297 5	-20	.04	1	4
22C025/056	14 50 36	BB1	85 0	92 5	-10	.04	1	4
22C026/056	14 54 24	BB1	85.0	92 5	-10	.04	1	4
21C027/056	14 59 25	BB1	282.5	290 0	-30	.04	1	4
21C028/056	15 01 59	BB1	282.5	290 0	-30	.04	1	4
21C029/056	15 04 29	BB1	282.5	290 0	-30	.04	1	4
22C030/056	15 11 54	BB3	290 0	295 0	-20	.04	1	4
21C031/056	17 27.59	BB2	280 0	290.0	-30	.04	1	4
22C032/056	17 30 59	BB2	85.0	95 0	-30	.04	1	4
22C033/057	06 50 20	BB1	115 0	125.0	-50	.04	1	4
22C034/057	06 52.45	BB1	115 0	125 0	-50	.04	1	4
22C035/057	06 55.12	BB1	115 0	125.0	-50	.04	1	4
21C036/057	07 01.57	BB3	315 0	335.0	-30	.04	1	4
22C039/057	07 35 14	BB1	285 0	297.5	-10	.04	1	4
21C041/057	09 30 59	BB2	290 0	300.0	-30	.04	1	4
22C042/057	09 32.59	BB2	90.0	100.0	-40	.04	1	4
21C044/057	09 38.59	BB2	280.0	290 0	-30	.04	1	4
22C045/057	09 40 59	BB2	85.0	95 0	-30	.04	1	4
22C053/058	09 39 00	BB2	85.0	95.0	-30	.04	1	4
21C069/061	09 51.21	BB3	240.0	275.0	-10	.04	1	4

**VL-2 HIGH-RESOLUTION CAMERA EVENTS SORTED
BY TIME OF DAY**

HIGH-RESOLUTION CAMERA EVENTS SORTED BY TIME OF DAY

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN	CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN									
HOUR 1									HOUR 13																	
22A124/017	10:02.58	BB1	290.0	295.0	-20	.04	1	3	22B003/031	12:01.37	BB4	235.0	335.0	0	.04	1	4	22A219/026	13:15.11	BB1	260.0	260.0	-40	.04	1	4
22A154/021	10:10.58	BB2	115.0	125.0	-30	.04	1	4	21A237/029	12:05.41	BB4	10.0	140.0	0	.04	1	4	22B146/047	13:20.49	BB2	40.0	50.0	0	.04	1	4
22B116/045	10:11.39	BB3	117.5	127.5	-30	.04	1	4	22A252/030	12:06.09	BB4	90.0	220.0	-10	.04	1	4	21A167/022	13:20.54	BB1	260.0	260.0	-40	.04	1	4
22A156/021	10:14.18	BB2	115.0	125.0	-30	.04	1	4	21A221/027	12:06.16	BB4	122.5	250.0	0	.04	1	4	21A146/020	13:21.10	BB1	260.0	260.0	-40	.04	1	4
22B117/045	10:14.54	BB3	117.5	127.5	-30	.04	1	4	21A225/028	12:07.23	BB3	130.0	260.0	-20	.04	1	4	21A131/018	13:21.11	BB1	260.0	260.0	-40	.04	1	4
22A156/021	10:18.18	BB2	115.0	125.0	-30	.04	1	4	22A073/010	12:10.11	BB1	135.0	135.0	-40	.04	1	4	21A117/016	13:39.10	BB1	260.0	260.0	-40	.04	1	4
22B118/045	10:23.19	BB2	22.5	32.5	-20	.04	1	4	22B058/038	12:21.38	BB1	55.0	92.5	-50	.04	1	4	22A239/029	13:40.38	BB2	115.0	125.0	-30	.04	1	4
21B204/051	10:24.59	BB2	210.0	220.0	-30	.04	1	4	22B047/037	12:24.36	BB2	95.0	140.0	-30	.04	1	4	22A107/015	13:42.10	BB1	90.0	90.0	-40	.04	1	4
21B119/045	10:25.19	BB2	210.0	220.0	-30	.04	1	4	22A126/017	12:25.10	BB1	135.0	135.0	-40	.04	1	4	22A010/001	13:42.11	BB1	125.0	125.0	-50	.04	1	4
22B205/051	10:26.59	BB2	22.5	32.5	-20	.04	1	4	22A138/019	12:25.10	BB3	67.5	67.5	-10	.04	1	4	22A015/002	13:42.11	BB1	125.0	125.0	-50	.04	1	4
22B020/033	10:29.59	BB1	285.0	290.0	-20	.04	1	4	22B045/036	12:27.27	BB2	10.0	47.5	-30	.04	1	4	21A098/014	13:57.11	BB1	260.0	260.0	-40	.04	1	4
22B098/042	10:29.59	BB1	285.0	290.0	-20	.04	1	4	21B033/034	12:29.44	BB1	210.0	280.0	-50	.04	1	4	HOUR 14								
22B120/045	10:29.59	BB2	22.5	32.5	-20	.04	1	4	21B035/035	12:30.10	BB2	277.5	315.0	-40	.04	1	4	22C021/056	14:01.48	BB3	290.0	295.0	-20	.04	1	4
22B056/038	10:30.00	BB1	290.0	310.0	-30	.04	1	4	21B022/033	12:32.18	BB3	240.0	310.0	-30	.04	1	4	21A241/029	14:07.26	BB2	290.0	300.0	-30	.04	1	4
21B121/045	10:32.59	BB2	210.0	220.0	-30	.04	1	4	22B013/032	12:34.45	BB3	25.0	95.0	-10	.04	1	4	22C022/056	14:10.12	BB1	85.0	92.5	-10	.04	1	4
22B028/034	10:41.36	BB2	102.5	112.5	-30	.04	1	4	22B004/031	12:37.03	BB4	7.5	87.5	0	.04	1	4	22A242/029	14:19.59	BB2	115.0	125.0	-30	.04	1	4
21B029/034	10:43.21	BB2	292.5	302.5	-30	.04	1	4	22A253/030	12:38.18	BB4	210.0	260.0	0	.04	1	4	22A091/013	14:24.10	BB1	90.0	90.0	-40	.04	1	4
22B030/034	10:48.10	BB2	102.5	112.5	-30	.04	1	4	21A238/029	12:43.26	BB4	30.0	75.0	-20	.04	1	4	22C023/056	14:29.45	BB2	85.0	95.0	-30	.04	1	4
21B031/034	10:49.55	BB2	292.5	302.5	-30	.04	1	4	21A222/027	12:44.01	BB4	250.0	295.0	-10	.04	1	4	22A056/008	14:29.59	BB2	37.5	47.5	-20	.04	1	4
22A008/001	10:53.49	BB1	117.5	155.0	-50	.04	1	4	21A226/028	12:45.08	BB4	290.0	335.0	-10	.04	1	4	21A078/011	14:30.10	BB1	245.0	245.0	-40	.04	1	4
HOUR 11									HOUR 12																	
21A040/006	11:00.00	BB1	35.0	60.0	-20	.04	1	4	21A068/009	12:00.10	BB1	245.0	245.0	-40	.04	1	4	22C024/056	14:42.39	BB3	290.0	297.5	-20	.04	1	4
21A090/013	11:06.32	BB1	35.0	60.0	-20	.04	1	4										21A108/015	14:49.59	BB4	27.5	65.0	-10	.04	1	4
21A246/030	11:07.27	BB2	290.0	300.0	-30	.04	1	4																		
22A009/001	11:14.59	BB1	295.0	305.0	-30	.04	1	5																		
22A041/006	11:15.00	BB1	295.0	305.0	-30	.04	1	5																		
22A247/030	11:18.10	BB2	115.0	125.0	-30	.04	1	4																		
21A125/017	11:19.59	BB1	40.0	57.5	-30	.04	1	5																		
21A042/006	11:20.00	BB1	40.0	50.0	-30	.04	1	5																		
21A248/030	11:31.04	BB2	282.5	292.5	-30	.04	1	4																		
22A249/030	11:32.47	BB2	90.0	100.0	-30	.04	1	4																		
21A250/030	11:36.04	BB2	282.5	292.5	-30	.04	1	4																		
22A251/030	11:37.47	BB2	90.0	100.0	-30	.04	1	4																		
22B057/038	11:43.23	BB1	90.0	165.0	-50	.04	1	4																		
22B046/037	11:46.21	BB2	45.0	120.0	-30	.04	1	4																		
22B044/036	11:49.12	BB3	115.0	190.0	-30	.04	1	4																		
21B034/035	11:51.55	BB3	150.0	225.0	-10	.04	1	4																		
21B032/034	11:54.18	BB2	150.0	250.0	-20	.04	1	4																		
21B021/033	11:56.52	BB1	170.0	270.0	-40	.04	1	4																		
22B012/032	11:59.19	BB2	95.0	200.0	-30	.04	1	4																		

VL-2

HIGH-RESOLUTION CAMERA EVENTS SORTED BY TIME OF DAY

GELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN	GELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22C025/056	14:50:36	BB1	85.0	92.5	-10	.04	1	4	21A075/010	17:29:59	BB3	217.5	265.0	-10	.04	1	4
21A057/008	14:51:33	BB2	227.5	237.5	-30	.04	1	4	22A103/014	17:29:59	BB2	157.5	182.5	-30	.04	1	4
22A058/008	14:53:33	BB2	37.5	47.5	-20	.04	1	4	21A134/018	17:29:59	BB4	30.0	60.0	-10	.04	1	4
22C026/056	14:54:24	BB1	85.0	92.5	-10	.04	1	4	21A216/025	17:29:59	BB3	260.0	285.0	-20	.04	1	4
21A059/008	14:56:33	BB3	162.5	190.0	-10	.04	1	4	21B059/038	17:29:59	BB3	145.0	192.5	-10	.04	1	4
21C027/056	14:59:25	BB1	282.5	290.0	-30	.04	1	4	22B090/041	17:29:59	BB4	185.0	195.0	-20	.04	1	4
22B014/032	14:59:59	BB3	10.0	12.5	-20	.04	1	4	21A032/004	17:30:00	BB2	275.0	305.0	-30	.04	1	4
HOUR 15									21A044/006	17:30:00	BB2	232.5	275.0	-30	.04	1	4
22A255/030	15:00:00	BB4	7.5	10.0	0	.04	1	4	21B195/050	17:30:00	BB2	177.5	237.5	-30	.04	1	4
22B005/031	15:00:00	BB1	75.0	77.5	-50	.04	1	4	21B213/051	17:30:00	BB4	50.0	65.0	0	.04	1	4
21C028/056	15:01:59	BB1	282.5	290.0	-30	.04	1	4	22C032/056	17:30:59	BB2	85.0	95.0	-30	.04	1	4
21C029/056	15:04:29	BB1	282.5	290.0	-30	.04	1	4	22B091/041	17:32:59	BB2	55.0	85.0	-30	.04	1	4
22C030/056	15:11:54	BB3	290.0	295.0	-20	.04	1	4	22A135/018	17:34:59	BB4	270.0	335.0	0	.04	1	4
21A085/012	15:15:10	BB1	260.0	260.0	-40	.04	1	4	22A141/019	17:34:59	BB4	185.0	235.0	-10	.04	1	4
21A074/010	15:44:59	BB1	12.5	27.5	-20	.04	1	5	21B214/051	17:35:00	BB2	305.0	335.0	-30	.04	1	3
21A023/003	15:53:59	BB1	35.0	40.0	-20	.04	1	4	21A149/020	17:37:43	BB4	215.0	260.0	0	.04	1	4
HOUR 16									21B051/037	17:39:58	BB2	292.5	302.5	-30	.04	1	4
21A052/007	16:00:00	BB2	182.5	232.5	-30	.04	1	4	22A121/016	17:39:59	BB3	12.5	60.0	-20	.04	1	4
21B048/037	16:10:30	BB2	292.5	302.5	-30	.04	1	4	22A162/021	17:39:59	BB2	115.0	125.0	-30	.04	1	4
21A227/028	16:11:13	BB2	230.0	240.0	-20	.04	1	4	21B060/038	17:39:59	BB1	252.5	330.0	-50	.04	1	4
21B049/037	16:16:11	BB2	292.5	302.5	-30	.04	1	4	22A046/006	17:40:00	BB2	37.5	47.5	-20	.04	1	4
21A069/009	16:49:58	BB3	190.0	217.5	-10	.04	1	4	21A142/019	17:41:59	BB4	125.0	165.0	10	.04	1	4
21A110/015	16:59:59	BB2	227.5	237.5	-30	.04	1	4	21A150/020	17:44:43	BB3	125.0	147.5	-10	.04	1	4
HOUR 17									22B215/051	17:45:00	BB1	45.0	165.0	-50	.04	1	3
21A031/004	17:00:00	BB1	182.5	255.0	-50	.04	1	4	21A061/008	17:45:59	BB1	275.0	282.5	-10	.04	1	3
22A118/016	17:17:59	BB4	10.0	67.5	0	.04	1	4	21A229/028	17:46:27	BB2	290.0	300.0	-30	.04	1	4
21A147/020	17:19:43	BB4	165.0	215.0	0	.04	1	4	21A024/003	17:49:00	BB3	270.0	297.5	-20	.04	1	4
22A093/013	17:19:59	BB3	145.0	182.5	-10	.04	1	4	21A151/020	17:49:43	BB4	260.0	282.5	-10	.04	1	4
21A132/018	17:19:59	BB1	252.5	292.5	-50	.04	1	4	21A128/017	17:49:58	BB2	157.5	182.5	-30	.04	1	4
21A139/019	17:19:59	BB4	75.0	125.0	0	.04	1	4	22A143/019	17:49:59	BB4	67.5	107.5	-10	.04	1	4
22B211/051	17:20:00	BB4	265.0	305.0	-20	.04	1	4	22A104/014	17:53:59	BB4	182.5	230.0	-10	.04	1	4
22A133/018	17:24:59	BB3	285.0	315.0	-10	.04	1	4	21A111/015	17:54:59	BB3	285.0	315.0	-10	.04	1	4
22B212/051	17:25:00	BB1	7.5	17.5	-30	.04	1	4	22A163/021	17:54:59	BB2	127.5	157.5	-30	.04	1	4
22A119/016	17:25:59	BB3	167.5	187.5	-30	.04	1	4	HOUR 18								
22A140/019	17:27:59	BB4	235.0	272.5	0	.04	1	4	21A230/028	18:04:59	BB2	230.0	240.0	-20	.04	1	4
21C031/056	17:27:59	BB2	280.0	290.0	-30	.04	1	4									
21A161/021	17:29:42	BB4	282.5	302.5	-10	.04	1	4									
21A168/022	17:29:42	BB4	302.5	335.0	-10	.04	1	4									
22A148/020	17:29:43	BB4	107.5	185.0	-10	.04	1	4									
21A127/017	17:29:58	BB4	60.0	75.0	0	.04	1	4									
22A005/000	17:29:59	BB2	80.0	127.5	-30	.04	1	4									
22A011/001	17:29:59	BB3	60.0	145.0	-10	.04	1	4									

VL-2

SUN IMAGERY CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
21A047/006	17.57.00	SUN	132.5	167.5	10	.12	1	2
21A049/007	06.12.00	SUN	285.0	320.0	10	.12	1	1
21A112/015	18.22.25	SUN	152.5	157.5	30	.04	1	3
21A113/015	19.07.25	SUN	160.0	165.0	20	.04	1	2
21A169/022	18.06.16	SUN	150.0	155.0	30	.04	1	3
21A170/022	18.40.01	SUN	155.0	160.0	30	.04	1	3
22A201/025	05.21.31	SUN	122.5	127.5	10	.04	1	2
22A202/025	06.06.31	SUN	130.0	135.0	10	.04	1	3
22A203/025	06.46.31	SUN	137.5	142.5	20	.04	1	3
21A231/028	18.18.11	SUN	152.5	155.0	30	.04	1	3
21A232/028	19.03.11	SUN	160.0	162.5	20	.04	1	2
21B006/031	18.06.00	SUN	150.0	152.5	30	.04	1	3
21B007/031	19.04.00	SUN	160.0	162.5	20	.04	1	2
22B081/040	05.19.59	SUN	125.0	127.5	10	.04	1	1
22B082/040	06.02.44	SUN	132.5	135.0	10	.04	1	3
22B083/040	06.43.59	SUN	140.0	142.5	20	.04	1	4
22B105/044	05.29.23	SUN	127.5	130.0	10	.04	1	1
22B106/044	05.59.23	SUN	132.5	135.0	10	.04	1	2
21B160/048	18.01.02	SUN	147.5	150.0	30	.04	1	3
21B161/048	18.42.29	SUN	155.0	157.5	20	.04	1	2
21B222/052	16.52.41	SUN	132.5	137.5	30	.04	1	3
21B223/052	17.57.41	SUN	145.0	150.0	30	.04	1	3
21B224/052	18.42.41	SUN	152.5	157.5	20	.04	1	2
21B242/054	16.52.42	SUN	132.5	137.5	30	.04	1	3
21B247/054	17.57.41	SUN	145.0	150.0	30	.04	1	3
21C000/054	18.38.59	SUN	152.5	157.5	20	.04	1	2
22C005/055	05.13.55	SUN	125.0	130.0	0	.04	1	0
22C006/055	05.33.55	SUN	127.5	137.5	0	.04	1	1
22C007/055	06.08.55	SUN	135.0	140.0	10	.04	1	2

VL-2 Sun Imagery Camera Events

**VL-2 CALIBRATION AND SCAN VERIFICATION
CAMERA EVENTS**

VL-2

CALIBRATION AND SCAN VERIFICATION CAMERA EVENTS

GELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22A004/000	15 06 42	CAL	170 0	170.0	0		1	2
22A012/001	17 37 35	CAL	170.0	170.0	0		1	2
22A017/002	14 55 49	CAL	170 0	170 0	0		1	2
21A026/003	17 58 07	CAL	170 0	170.0	0		1	2
21A030/004	15 36 52	CAL	170 0	170 0	0		1	2
22A037/005	15 10 15	CAL	170.0	170.0	0		1	2
21A045/006	17 33 49	CAL	170.0	170.0	0		1	2
21A053/007	16 04 29	CAL	170 0	170.0	0		1	2
21A066/009	08 04 26	CAL	170 0	170 0	0		1	2
21A083/012	12 08 00	CAL	170 0	170.0	0		1	2
22A087/012	17 11 45	CAL	170.0	170 0	0		1	2
22A094/013	17 23 20	CAL	170.0	170 0	0		1	2
21A102/014	17 15 46	CAL	170.0	170 0	0		1	2
21A175/023	06 53 29	CAL	170.0	170.0	0		1	2
22A177/023	07 03 55	CAL	170.0	170.0	0		1	2
22B019/033	09 00 11	CAL	170.0	170.0	0		1	2
22B145/047	12 51 55	CAL	170 0	170.0	0		1	2
22B159/048	12 51 17	CAL	170.0	170.0	0		1	2
22B179/048	23 50 28	CAL	170.0	170 0	0		1	2
22B188/049	12 52 28	CAL	170.0	170.0	0		1	2
22B208/051	10 35 28	CAL	170.0	170.0	0		1	2

Note: No Scan Varification
 Camera Events Were
 Acquired During VL-2
 Primary Mission.

VL-2 Calibration and Scan Verification Camera Events

**VL-2 HIGH-RESOLUTION CAMERA EVENTS SORTED
BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF DAY**

VL-2
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

VL-2 High-Resolution Camera Events Sorted by Elevation and Start Azimuth for Segments of Day

00-10 HOURS LLT

CELLABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
CAMERA 1														
21B008/032	06.29.59	0	45.0	75.0	BB4	4	1	82.1	17.0	133	-9	173.6	203.6	262
21A076/011	09.10.13	0	70.0	160.0	BB4	4	1	110.3	44.3	160	-36	198.6	288.6	289
21B010/032	06.49.59	0	75.0	142.5	BB4	4	1	85.6	20.3	137	-12	203.6	271.1	266
21A071/010	09.11.58	0	135.0	225.0	BB4	4	1	110.5	44.6	160	-36	263.6	353.6	289
21B095/042	08.59.59	0	135.0	192.5	BB4	4	1	112.9	40.2	162	-32	263.6	321.1	291
21A164/022	07.09.59	0	142.5	250.0	BB4	4	1	87.8	24.3	139	-16	271.1	18.6	268
21A050/007	09.17.23	0	200.0	290.0	BB4	4	1	111.4	45.6	160	-37	328.6	58.6	289
21B001/031	06.51.59	0	250.0	255.0	BB4	4	1	85.8	20.7	137	-12	18.6	33.6	266
21A054/008	09.15.33	0	260.0	335.0	BB4	4	1	111.1	45.3	160	-37	28.6	103.6	289
21A129/018	08.58:55	-10	15.0	65.0	BB4	4	1	108.7	42.1	158	-34	143.6	193.6	287
21A204/025	06.54.58	-10	27.5	62.5	BB4	4	1	85.5	21.6	137	-13	156.1	191.1	266
21B054/038	07.00:00	-10	120.0	215.0	BB3	4	1	88.2	21.4	139	-13	248.6	343.6	268
21A122/017	08:57.40	-10	135.0	185.0	BB4	4	1	108.3	42.0	158	-33	263.6	313.6	287
21A065/009	08.03.59	-10	157.5	162.5	BB3	4	1	96.0	33.9	147	-25	286.1	291.1	276
21A122/017	09:32.34	-10	182.5	257.5	BB4	4	1	116.7	47.2	165	-39	311.1	26.1	294
21B039/036	06.49.59	-10	215.0	260.0	BB4	4	1	86.2	19.9	137	-11	343.6	28.6	266
21B096/042	09.07.59	-10	235.0	255.0	BB4	4	1	114.8	41.4	164	-33	3.6	23.6	293
21C069/061	09.51.21	-10	240.0	275.0	BB3	4	1	129.7	45.0	177	-37	8.6	43.6	306
21A130/018	09.33.50	-10	255.0	330.0	BB4	4	1	117.2	47.3	165	-39	23.6	98.6	294
21B009/032	06.39.59	-10	260.0	335.0	BB4	4	1	83.8	18.7	135	-10	28.6	103.6	264
21A034/005	09:21.09	-20	270.0	297.5	BB3	4	1	112.0	46.3	161	-38	38.6	66.1	290
21B040/036	07:00.59	-30	150.0	265.0	BB2	4	1	88.1	21.7	139	-13	278.6	33.6	268
21A115/016	09.34.22	-30	152.5	227.5	BB2	4	1	117.0	47.6	165	-39	281.1	356.1	294
21B198/051	06.35.59	-30	210.0	220.0	BB2	4	1	86.0	16.3	137	-8	338.6	348.6	266
21B200/051	06.50.59	-30	210.0	220.0	BB2	4	1	88.6	18.7	140	-10	338.6	348.6	269
21B201/051	06.57:00	-30	210.0	220.0	BB2	4	1	89.7	19.7	141	-11	338.6	348.6	270
21A114/016	08.59.37	-30	215.0	332.5	BB2	4	1	108.6	42.3	158	-34	343.6	101.1	287
21A062/009	07.49.59	-30	227.5	237.5	BB2	4	1	93.4	31.6	144	-23	356.1	6.1	273
21B138/047	06.59:59	-30	227.5	237.5	BB2	4	1	89.6	20.6	141	-12	356.1	6.1	270
21B148/048	06.11.59	-30	227.5	237.5	BB2	4	1	81.3	12.7	132	-4	356.1	6.1	261
21A174/023	06.49.41	-30	262.5	305.0	BB2	4	1	84.3	20.9	136	-12	31.1	73.6	265
21C044/057	09.38.59	-30	280.0	290.0	BB2	4	1	125.5	44.0	173	-36	48.6	58.6	302
21B203/051	09.05.26	-30	290.0	300.0	BB2	4	1	115.8	40.0	165	-32	58.6	68.6	294
21C041/057	09.30.59	-30	290.0	300.0	BB2	4	1	123.4	42.9	171	-35	58.6	68.6	300
21C036/057	07.01.57	-30	315.0	335.0	BB3	4	1	91.6	19.9	143	-11	83.6	103.6	272
21A193/024	06.59.59	-40	305.0	322.5	BB2	4	1	86.3	22.5	138	-14	73.6	91.1	267
21B093/042	06.49:59	-40	305.0	330.0	BB2	4	1	87.1	19.4	138	-11	73.6	98.6	267
21A080/012	09.40.48	-50	175.0	250.0	BB1	4	1	118.1	48.8	166	-41	303.6	18.6	295
21B015/033	06.44:59	-50	177.5	257.5	BB1	4	1	84.9	19.4	136	-11	306.1	26.1	265
21A039/006	09:19.16	-50	200.0	280.0	BB1	4	1	111.7	46.0	161	-38	328.6	48.6	290
21A079/012	09:06:03	-50	212.5	327.5	BB1	4	1	109.4	43.6	159	-35	341.1	96.1	288

VL-2
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

00-10 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
21B094/042	06:54:59	+50	257.5	292.5	BB1	4	1	87.9	20.2	139	-12	26.1	61.1	268
CAMERA 2														
22B000/031	06:39:59	0	7.5	115.0	BB4	4	1	83.7	18.7	319	-10	312.1	59.6	263
22A067/009	09:13:44	0	10.0	90.0	BB4	4	1	110.8	45.0	344	-36	314.6	34.6	288
22A136/019	08:57:30	0	10.0	60.0	BB4	4	1	108.5	41.8	342	-33	314.6	4.6	286
22A106/015	09:35:54	0	160.0	235.0	BB4	4	1	117.3	47.9	349	-40	104.6	179.6	293
22A223/028	06:54:59	0	215.0	325.0	BB4	4	1	85.9	21.4	321	-13	159.6	269.6	265
22A105/015	09:01:09	0	220.0	335.0	BB4	4	1	108.8	42.6	342	-34	164.6	279.6	286
22B002/031	07:20:59	-10	7.5	60.0	BB3	4	1	91.0	25.4	326	-17	312.1	4.6	270
22A097/014	09:37:31	-10	10.0	90.0	BB3	4	1	117.5	48.2	350	-40	314.6	34.6	294
22A137/019	09:32:24	-10	57.5	132.5	BB4	4	1	117.0	47.0	349	-39	2.1	77.1	293
22A236/029	06:44:59	-10	60.0	117.5	BB4	4	1	84.3	19.7	320	-11	4.6	62.1	264
22A096/014	09:02:45	-10	77.5	200.0	BB3	4	1	109.0	43.0	342	-34	22.1	144.6	286
22B230/054	06:59:00	-10	115.0	130.0	BB4	2	7	90.6	19.7	326	-11	59.6	74.6	270
22B231/054	07:05:00	-10	115.0	175.0	BB4	3	2	91.6	20.7	327	-12	59.6	119.6	271
22A220/027	06:59:59	-10	117.5	215.0	BB4	4	1	86.7	22.3	322	-14	62.1	159.6	266
22A207/025	07:14:58	-10	265.0	307.5	BB3	4	1	89.1	24.9	324	-16	209.6	252.1	268
22C039/057	07:35:14	-10	285.0	297.5	BB1	4	1	97.8	25.3	332	-17	229.6	242.1	276
22B199/051	06:37:59	-20	22.5	32.5	BB2	4	1	86.3	16.6	321	-8	327.1	337.1	265
22B041/036	07:39:59	-20	25.0	32.5	BB1	4	1	95.3	28.1	330	-19	329.6	337.1	274
22A063/009	07:51:59	-20	37.5	47.5	BB2	4	1	93.7	32.0	329	-23	342.1	352.1	273
22A070/010	07:49:59	-20	37.5	47.5	BB2	4	1	93.5	31.6	328	-23	342.1	352.1	272
22B139/047	07:04:59	+20	37.5	47.5	BB2	4	1	90.5	21.4	326	-13	342.1	352.1	270
22B149/048	06:13:59	+20	37.5	47.5	BB2	4	1	81.6	13.0	317	-5	342.1	352.1	261
22A027/004	08:09:00	+20	305.0	310.0	BB1	4	1	96.3	35.0	331	-26	249.6	254.6	275
22A089/013	09:39:08	-30	10.0	90.0	BB2	4	1	117.8	48.5	350	-40	314.6	34.6	294
22B025/034	06:45:00	-30	10.0	20.0	BB2	4	1	85.0	19.3	320	-11	314.6	324.6	264
22B061/039	06:45:00	-30	15.0	90.0	BB2	4	1	85.7	18.9	321	-10	319.6	34.6	265
22A088/013	09:04:23	-30	77.5	200.0	BB2	4	1	109.2	43.3	343	-35	22.1	144.6	287
22A178/023	07:09:41	-30	77.5	127.5	BB2	4	1	87.8	24.2	323	-16	22.1	72.1	267
22A007/001	09:28:56	-30	80.0	127.5	BB2	4	1	113.4	47.7	347	-47	24.6	72.1	291
22C045/057	09:40:59	-30	85.0	95.0	BB2	4	1	126.1	44.2	358	-36	29.6	39.6	302
22C053/058	09:39:00	-30	85.0	95.0	BB2	4	1	125.7	43.8	357	-36	29.6	39.6	301
22A206/025	07:06:58	-30	127.5	192.5	BB3	4	1	87.6	23.6	323	-15	72.1	137.1	267
22C042/057	09:32:59	+40	90.0	100.0	BB2	4	1	123.9	43.2	356	-35	34.6	44.6	300
22A205/025	06:59:58	-50	52.5	110.0	BB1	4	1	86.4	22.4	322	-14	357.1	54.6	266
22A095/014	06:05:59	-50	55.0	130.0	BB1	3	1	75.7	14.5	311	-6	359.6	74.6	255
22A020/003	09:24:59	-50	80.0	160.0	BB1	4	1	112.7	47.0	346	-39	24.6	104.6	290
22A001/000	09:48:58	-50	92.5	160.0	BB1	4	1	118.6	50.7	353	-50	37.1	104.6	297
22A243/030	06:44:59	-50	110.0	115.0	BB1	4	1	84.4	19.6	320	-11	54.6	59.6	264
22A176/023	06:59:41	-50	115.0	162.5	BB1	4	1	86.1	22.5	321	-14	59.6	107.1	265
22C033/057	06:50:20	-50	115.0	125.0	BB1	4	1	89.5	18.0	324	-9	59.6	69.6	268

VL-2
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

00-10 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
22C034/057	06:52:45	-50	115.0	125.0	BB1	4	1	89.9	18.4	325	-10	59.6	69.6	269
22C035/057	06:55:12	-50	115.0	125.0	BB1	4	1	90.4	18.8	325	-10	59.6	69.6	269

VL-2
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

10-14 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
CAMERA 1														
21A237/029	12.05.41	0	10.0	140.0	BB4	4	1	175.3	60.3	213	-57	138.6	268.6	342
21A221/027	12.06.16	0	122.5	250.0	BB4	4	1	175.4	60.5	213	-57	251.1	18.6	342
21B034/035	11.51.55	-10	150.0	225.0	BB3	4	1	169.6	59.1	209	-55	278.6	353.6	338
21A222/027	12.44.01	-10	250.0	295.0	BB4	4	1	193.0	60.1	229	-59	18.6	63.6	358
21A226/028	12.45.08	-10	290.0	335.0	BB4	4	1	193.5	59.9	230	-59	58.6	103.6	359
21A238/029	12.43.26	-20	30.0	75.0	BB4	4	1	192.8	59.8	229	-59	158.6	203.6	358
21A040/006	11.00.00	-20	35.0	60.0	BB1	4	1	143.1	59.1	186	-52	163.6	188.6	315
21A090/013	11.06.32	-20	35.0	60.0	BB1	4	1	146.8	59.1	189	-53	163.6	188.6	318
21A225/028	12.07.23	-20	130.0	260.0	BB3	4	1	176.0	60.4	214	-57	258.6	28.6	343
21B032/034	11.54.18	-20	150.0	250.0	BB2	4	1	170.6	59.3	209	-56	278.6	18.6	338
21A042/006	11.20.00	-30	40.0	50.0	BB1	5	1	151.5	60.9	192	-55	168.6	178.6	321
21A125/017	11.19.59	-30	40.0	57.5	BB1	5	1	153.1	59.8	194	-54	168.6	186.1	323
21B119/045	10.25.19	-30	210.0	220.0	BB2	4	1	137.1	51.2	182	-44	338.6	348.6	311
21B121/045	10.32.59	-30	210.0	220.0	BB2	4	1	139.7	52.1	184	-45	338.6	348.6	313
21B201/051	10.24.59	-30	210.0	220.0	BB2	4	1	138.1	50.4	183	-43	338.6	348.6	312
21B022/033	12.32.18	-30	240.0	310.0	BB3	4	1	187.9	59.5	225	-58	8.6	78.6	354
21A248/030	11.31.04	-30	282.5	292.5	BB2	4	1	159.7	58.9	200	-54	51.1	61.1	329
21A250/030	11.36.04	-30	282.5	292.5	BB2	4	1	161.9	59.2	202	-54	51.1	61.1	331
21A246/030	11.07.27	-30	290.0	300.0	BB2	4	1	149.9	57.3	192	-51	58.6	68.6	321
21B029/034	10.43.21	-30	292.5	302.5	BB2	4	1	141.4	54.5	185	-48	61.1	71.1	314
21B031/034	10.49.55	-30	292.5	302.5	BB2	4	1	143.8	55.2	187	-49	61.1	71.1	316
21B021/033	11.56.52	-40	170.0	270.0	BB1	4	1	171.6	59.5	210	-56	298.6	38.6	339
21A068/009	12.00.10	-40	245.0	245.0	BB1	4	1	170.7	62.7	208	-59	13.6	13.6	337
21A098/014	13.57.11	-40	260.0	260.0	BB1	4	1	223.5	56.2	263	-60	28.6	28.6	31
21A117/016	13.39.10	-40	260.0	260.0	BB1	4	1	216.7	57.8	255	-61	28.6	28.6	23
21A131/018	13.21.11	-40	260.0	260.0	BB1	4	1	209.4	59.2	246	-61	28.6	28.6	14
21A146/020	13.21.10	-40	260.0	260.0	BB1	4	1	209.3	58.9	246	-61	28.6	28.6	14
21A167/022	13.20.54	-40	260.0	260.0	BB1	4	1	209.2	58.6	246	-60	28.6	28.6	14
21A219/026	13.15.11	-40	260.0	260.0	BB1	4	1	206.7	58.5	244	-60	28.6	28.6	12
21B035/035	12.30.10	-40	277.5	315.0	BB2	4	1	187.0	59.3	224	-58	46.1	83.6	353
21B033/034	12.29.44	-50	210.0	280.0	BB1	4	1	186.7	59.4	224	-58	338.6	48.6	353
CAMERA 2														
22B004/031	12.37.03	0	7.5	87.5	BB4	4	1	190.0	59.7	51	-59	312.1	32.1	356
22B146/047	13.20.49	0	40.0	50.0	BB2	4	1	208.3	54.7	71	-56	344.6	354.6	15
22A253/030	12.38.18	0	210.0	260.0	BB4	4	1	190.5	59.8	51	-59	154.6	204.6	356
22B003/031	12.01.37	0	235.0	335.0	BB4	4	1	173.6	59.9	36	-57	179.6	279.6	341
22B013/032	12.34.45	-10	25.0	95.0	BB3	4	1	188.9	59.6	50	-58	329.6	39.6	355
22A138/019	12.25.10	-10	67.5	67.5	BB3	4	1	183.8	61.7	44	-60	12.1	12.1	349
22A252/030	12.06.09	-10	90.0	220.0	BB4	4	1	175.6	60.1	37	-57	34.6	164.6	342

VL-2
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

10-14 HOURS LLT

GCLABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
22B118/045	10:23:19	-20	22.5	32 5	BB2	4	1	136.5	51 0	6	-44	327.1	337.1	311
22B120/045	10:29:59	-20	22.5	32 5	BB2	4	1	138.7	51 7	8	-45	327.1	337.1	313
22B205/051	10:26:59	-20	22.5	32 5	BB2	4	1	138.8	50.6	8	-44	327.1	337.1	313
22B020/033	10:29:59	-20	285.0	290 0	BB1	4	1	136.6	53 2	6	-46	229.6	234.6	311
22B098/042	10:29:59	-20	285.0	290.0	BB1	4	1	138.2	52.1	7	-45	229.6	234.6	312
22A124/017	10:02:58	-20	290 0	295 0	BB1	3	1	125.2	51.5	356	-44	234.6	239.6	300
22B045/036	12:27:27	-30	10.0	47 5	BB2	4	1	185.8	59 2	47	-57	314.6	352.1	352
22B046/037	11:46:21	-30	45 0	120 0	BB2	4	1	167.3	58.6	31	-55	349.6	64.6	336
22A249/030	11:32:47	-30	90.0	100.0	BB2	4	1	160.5	59.0	25	-54	34.6	44.6	330
22A251/030	11:37:47	-30	90.0	100 0	BB2	4	1	162.7	59.2	26	-55	34.6	44.6	331
22B012/032	11:59:19	-30	95.0	200 0	BB2	4	1	172.6	59.7	35	-56	39.6	144.6	340
22B047/037	12:24:36	-30	95 0	140.0	BB2	4	1	184.6	59.0	46	-57	39.6	84.6	351
22B028/034	10:41:36	-30	102.5	112 5	BB2	4	1	140.8	54 4	9	-48	47.1	57.1	314
22B030/034	10:48:10	-30	102 5	112 5	BB2	4	1	143.1	55.0	11	-48	47.1	57.1	316
22A154/021	10:10:58	-30	115.0	125 0	BB2	4	1	128.3	52.2	359	-44	59.6	69.6	303
22A155/021	10:14:18	-30	115.0	125 0	BB2	4	1	129.3	52.6	359	-45	59.6	69.6	303
22A156/021	10:18:18	-30	115.0	125.0	BB2	4	1	130.6	53.1	0	-46	59.6	69.6	305
22A239/029	13:40:38	-30	115.0	125 0	BB2	4	1	216.7	55.9	79	-59	59.6	69.6	23
22A247/030	11:18:10	-30	115.0	125 0	BB2	4	1	154.3	58 1	20	-53	59.6	69.6	325
22B044/036	11:49:12	-30	115.0	190.0	BB3	4	1	168.5	58 8	32	-55	59.6	134.6	337
22B116/045	10:11:39	-30	117 5	127 5	BB3	4	1	132.8	49.6	3	-42	62.1	72.1	308
22B117/045	10:14:54	-30	117 5	127 5	BB3	4	1	133.8	50 0	4	-43	62.1	72.1	309
22B056/038	10:30:00	-30	290.0	310 0	BB1	4	1	137.4	52.6	6	-46	234.6	254.6	311
22A009/001	11:14:59	-30	295 0	305 0	BB1	5	1	148.6	60.9	14	-55	239.6	249.6	319
22A041/006	11:15:00	-30	295.0	305.0	BB1	5	1	149.3	60.5	15	-54	239.6	249.6	320
22A107/015	13:42:10	-40	90.0	90.0	BB1	4	1	217.9	57.6	80	-61	34.6	34.6	24
22A055/008	12:52:11	-40	135.0	135 0	BB1	4	1	196.4	62.3	55	-62	79.6	79.6	
22A073/010	12:10:11	-40	135 0	135 0	BB1	4	1	175.8	62.8	36	-60	79.6	79.6	341
22A126/017	12:25:10	-40	135 0	135 0	BB1	4	1	183.7	61.9	44	-60	79.6	79.6	349
22B058/038	12:21:38	-50	55.0	92 5	BB1	4	1	183.3	58.9	45	-57	359.6	37.1	350
22B057/038	11:43:23	-50	90.0	165 0	BB1	4	1	166.2	58.3	30	-54	34.6	109.6	335
22A008/001	10:53:49	-50	117.5	155.0	BB1	4	1	140.0	58.9	7	-52	62.1	99.6	312
22A010/001	13:42:11	-50	125 0	125.0	BB1	4	1	218.4	59.3	92	-59	69.6	69.6	36
22A015/002	13:42:11	-50	125.0	125 0	BB1	4	1	218.4	59.2	80	-62	69.6	69.6	24

VL-2
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

14-16 HOURS LLT

CCLABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
CAMERA 1														
21A108/015	14 49:59	-10	27.5	65.0	BB4	4	1	240.0	49.3	284	-55	156.1	193.6	52
21A059/008	14 56:33	-10	162.5	190.0	BB3	4	1	242.3	49.1	286	-55	291.1	318.6	54
21A074/010	15:44:59	-20	12.5	27.5	BB1	5	1	253.9	41.6	301	-49	141.1	156.1	69
21A023/003	15:53:59	-20	35.0	40.0	BB1	4	1	256.4	40.9	304	-48	163.6	168.6	72
21A052/007	16:00:00	-30	182.5	232.5	BB2	4	1	257.4	39.5	305	-47	311.1	1.1	73
21A057/008	14:51:33	-30	227.5	237.5	BB2	4	1	241.0	49.8	285	-56	356.1	6.1	53
21C027/056	14:59:25	-30	282.5	290.0	BB1	4	1	238.7	41.9	284	-48	51.1	58.6	52
21C028/056	15:01:59	-30	282.5	290.0	BB1	4	1	239.4	41.6	285	-47	51.1	58.6	53
21C029/056	15:04:29	-30	282.5	290.0	BB1	4	1	240.0	41.2	286	-47	51.1	58.6	54
21A241/029	14:07:26	-30	290.0	300.0	BB2	4	1	226.1	53.0	267	-57	58.6	68.6	35
21A078/011	14:30:10	-40	245.0	245.0	BB1	4	1	234.6	52.5	277	-58	13.6	13.6	45
21A085/012	15:15:10	-40	260.0	260.0	BB1	4	1	246.8	45.9	292	-52	28.6	28.6	60
21A197/024	14:33:11	-40	260.0	260.0	BB1	4	1	234.5	50.4	277	-56	28.6	28.6	45
CAMERA 2														
22A255/030	15:00:00	0	7.5	10.0	BB4	4	1	241.4	45.9	110	-52	312.1	314.6	54
22C022/056	14:10:12	-10	85.0	92.5	BB1	4	1	224.9	48.3	91	-52	29.6	37.1	35
22C025/056	14:50:36	-10	85.0	92.5	BB1	4	1	236.4	43.2	105	-49	29.6	37.1	49
22C026/056	14:54:24	-10	85.0	92.5	BB1	4	1	237.4	42.6	106	-48	29.6	37.1	50
22B014/032	14:59:59	-20	10.0	12.5	BB3	4	1	241.3	45.6	110	-52	314.6	317.1	54
22A056/008	14:29:59	-20	37.5	47.5	BB2	4	1	234.7	52.8	101	-58	342.1	352.1	45
22A058/008	14:53:33	-20	37.5	47.5	BB2	4	1	241.5	49.6	109	-55	342.1	352.1	53
22C021/056	14:01:48	-20	290.0	295.0	BB3	4	1	222.2	49.2	88	-53	234.6	239.6	32
22C024/056	14:42:39	-20	290.0	297.5	BB3	4	1	234.3	44.2	103	-49	234.6	242.1	47
22C030/056	15:11:54	-20	290.0	295.0	BB3	4	1	241.9	40.2	112	-46	234.6	239.6	56
22C023/056	14:29:45	-30	85.0	95.0	BB2	4	1	230.7	45.9	98	-51	29.6	39.6	42
22A242/029	14:19:59	-30	115.0	125.0	BB2	4	1	230.1	51.5	96	-56	59.6	69.6	40
22A091/013	14:24:10	-40	90.0	90.0	BB1	4	1	232.6	53.0	98	-58	34.6	34.6	42
22B005/031	15:00:00	-50	75.0	77.5	BB1	4	1	241.4	45.8	110	-52	19.6	22.1	54

VL-2
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

16-24:39 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
CAMERA 1														
21B213/051	17:30:00	0	50.0	65.0	BB4	4	1	270.7	19.2	321	-27	178.6	193.6	89
21A127/017	17:29:58	0	60.0	75.0	BB4	4	1	273.7	23.8	324	-32	188.6	203.6	92
21A139/019	17:19:59	0	75.0	125.0	BB4	4	1	271.8	25.2	322	-33	203.6	253.6	90
21A147/020	17:19:43	0	165.0	215.0	BB4	4	1	271.6	25.1	322	-33	293.6	343.6	90
21A149/020	17:37:43	0	215.0	260.0	BB4	4	1	274.8	22.2	325	-30	343.6	28.6	93
21A142/019	17:41:59	10	125.0	165.0	BB4	4	1	275.6	21.6	326	-29	253.6	293.6	94
21A134/018	17:29:59	-10	30.0	60.0	BB4	4	1	273.6	23.7	324	-31	158.6	188.6	92
21A150/020	17:44:43	-10	125.0	147.5	BB3	4	1	276.0	21.1	327	-29	253.6	276.1	95
21B059/038	17:29:59	-10	145.0	192.5	BB3	4	1	271.9	21.1	322	-29	273.6	321.1	90
21A069/009	16:49:58	-10	190.0	217.5	BB3	4	1	267.0	31.2	317	-39	318.6	346.1	85
21A075/010	17:29:59	-10	217.5	265.0	BB3	4	1	274.2	24.6	325	-32	346.1	33.6	93
21A151/020	17:49:43	-10	260.0	282.5	BB4	4	1	276.9	20.3	328	-28	28.6	51.1	96
21A061/008	17:45:59	-10	275.0	282.5	BB1	3	1	277.1	22.2	328	-30	43.6	51.1	96
21A161/021	17:29:42	-10	282.5	302.5	BB4	4	1	273.3	23.4	324	-31	51.1	71.1	92
21A111/015	17:54:59	-10	285.0	315.0	BB3	4	1	278.2	20.0	329	-28	53.6	83.6	97
21A168/022	17:29:42	-10	302.5	335.0	BB4	4	1	273.2	23.3	324	-31	71.1	103.6	92
21A227/028	16:11:13	-20	230.0	240.0	BB2	4	1	258.0	35.3	306	-42	358.6	8.6	74
21A230/028	18:04:59	-20	230.0	240.0	BB2	4	1	278.9	16.8	330	-25	358.6	8.6	98
21A216/025	17:29:59	-20	260.0	285.0	BB3	4	1	273.1	22.9	323	-31	28.6	53.6	91
21A024/003	17:49:00	-20	270.0	297.5	BB3	4	1	277.9	22.2	329	-30	38.6	66.1	97
21A128/017	17:49:58	-30	157.5	182.5	BB2	4	1	277.2	20.6	328	-28	286.1	311.1	96
21B195/050	17:30:00	-30	177.5	237.5	BB2	4	1	270.8	19.4	321	-27	306.1	6.1	89
21A110/015	16:59:59	-30	227.5	237.5	BB2	4	1	268.5	28.9	318	-37	356.1	6.1	86
21A044/006	17:30:00	-30	232.5	275.0	BB2	4	1	274.4	25.0	325	-33	1.1	43.6	93
21A032/004	17:30:00	-30	275.0	305.0	BB2	4	1	274.5	25.2	325	-33	43.6	73.6	93
21C031/056	17:27:59	-30	280.0	290.0	BB2	4	1	269.8	18.8	320	-26	48.6	58.6	88
21A229/028	17:46:27	-30	290.0	300.0	BB2	4	1	275.7	19.8	326	-28	58.6	68.6	94
21B048/037	16:10:30	-30	292.5	302.5	BB2	4	1	257.0	34.2	305	-41	61.1	71.1	73
21B049/037	16:16:11	-30	292.5	302.5	BB2	4	1	258.1	33.3	307	-40	61.1	71.1	75
21B051/037	17:39:58	-30	292.5	302.5	BB2	4	1	273.8	19.7	324	-27	61.1	71.1	92
21B214/051	17:35:00	-30	305.0	335.0	BB2	3	1	271.6	18.4	322	-26	73.6	103.6	90
21A031/004	17:00:00	-50	182.5	255.0	BB1	4	1	269.2	30.1	319	-38	311.1	23.6	87
21A132/018	17:19:59	-50	252.5	292.5	BB1	4	1	271.8	25.3	322	-33	21.1	61.1	90
21B060/038	17:39:59	-50	252.5	330.0	BB1	4	1	273.7	19.5	324	-27	21.1	98.6	92
CAMERA 2														
22A118/016	17:17:59	0	10.0	67.5	BB4	4	1	271.6	25.9	146	-34	314.6	12.1	90
22A140/019	17:27:59	0	235.0	272.5	BB4	4	1	273.2	23.9	148	-32	179.6	217.1	92
22A135/018	17:34:59	0	270.0	335.0	BB4	4	1	274.5	22.9	149	-31	214.6	279.6	93
22A011/001	17:29:59	-10	60.0	145.0	BB3	4	1	274.7	25.5	149	-33	4.6	89.6	93

VL-2
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

16-24:39 HOURS LLT

CCLABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH		
												AZSTART	AZSTOP	ASOLAZ
22A143/019	17:49:59	-10	67.5	107.5	BB4	4	1	277.0	20.3	152	-28	12.1	52.1	96
22A148/020	17:29:43	-10	107.5	185.0	BB4	4	1	273.4	23.5	148	-31	52.1	129.6	92
22A093/013	17:19:59	-10	145.0	182.5	BB3	4	1	272.2	25.9	146	-34	89.6	127.1	90
22A104/014	17:53:59	-10	182.5	230.0	BB4	4	1	278.1	20.3	153	-28	127.1	174.6	97
22A141/019	17:34:59	-10	185.0	235.0	BB4	4	1	274.4	22.8	149	-31	129.6	179.6	93
22A133/018	17:24:59	-10	285.0	315.0	BB3	4	1	272.7	24.5	147	-32	229.6	259.6	91
22A121/016	17:39:59	-20	12.5	60.0	BB3	4	1	275.5	22.3	150	-30	317.1	4.6	94
22A046/006	17:40:00	-20	37.5	47.5	BB2	4	1	276.2	23.4	151	-31	342.1	352.1	95
22B090/041	17:29:59	-20	185.0	195.0	BB4	4	1	271.7	20.7	146	-28	129.6	139.6	90
22B211/051	17:20:00	-20	265.0	305.0	BB4	4	1	268.9	20.9	143	-29	209.6	249.6	87
22B212/051	17:25:00	-30	7.5	17.5	BB1	4	1	269.8	20.0	144	-28	312.1	322.1	88
22B091/041	17:32:59	-30	55.0	85.0	BB2	4	1	272.2	20.2	147	-28	359.6	29.6	91
22A005/000	17:29:59	-30	80.0	127.5	BB2	4	1	274.8	25.6	149	-25	24.6	72.1	93
22C032/056	17:30:59	-30	85.0	95.0	BB2	4	1	270.3	18.3	145	-26	29.6	39.6	89
22A162/021	17:39:59	-30	115.0	125.0	BB2	4	1	275.1	21.7	150	-29	59.6	89.6	94
22A163/021	17:54:59	-30	127.5	157.5	BB2	4	1	277.7	19.3	152	-27	72.1	102.1	96
22A103/014	17:29:59	-30	157.5	182.5	BB2	4	1	273.9	24.2	148	-32	102.1	127.1	92
22A119/016	17:25:59	-30	167.5	187.5	BB3	4	1	273.0	24.6	147	-32	112.1	132.1	91
22B215/051	17:45:00	-50	45.0	165.0	BB1	3	1	273.4	16.8	148	-25	349.6	109.6	92

VL-2 SURVEY CAMERA EVENTS

VL-2

SURVEY CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN	CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN	
22A002/000	09 55.33	SURV	10 0	325 0	-10 .12	1	4		22C008/055	09:55 00	SURV	305.0	310.0	-10 .12	1	5		
22A014/002	11 00 00	SURV	310.0	335.0	-20 .12	1	5		21C015/055	12:40.00	SURV	177.5	272.5	-30 .12	1	3		
22A021/003	12 52.11	SURV	132.5	142.5	-30 .12	1	4		22C016/056	09:44 59	SURV	305 0	310.0	-10 .12	1	5		
21A025/003	17.54.00	SURV	165 0	302.5	-10 .12	1	4		22C040/057	09:09 06	SURV	305.0	335.0	-30 .12	1	3		
21A029/004	15:36 00	SURV	7.5	35 0	-20 .12	1	4		21C043/057	09:35 59	SURV	320.0	335.0	-30 .12	1	4		
22A035/005	12 52.11	SURV	132 5	142.5	-30 .12	1	4		21C050/057	12:39 58	SURV	102.5	177.5	-10 .12	1	3		
22A043/006	12 52.12	SURV	132 5	142.5	-30 .12	1	4		22C051/058	09:09.07	SURV	305.0	335.0	-30 .12	1	3		
22A051/007	12 52 11	SURV	132 5	142 5	-30 .12	1	4		21C052/058	09:36:00	SURV	320.0	335.0	-30 .12	1	4		
21A060/008	16 26 30	SURV	7.5	35.0	-20 .12	1	4		21C058/058	12:39:59	SURV	10.0	110.0	-10 .12	1	3		
21A077/011	09:44 20	SURV	125.0	335.0	-20 .12	1	4		22C068/060	11:29:59	SURV	265.0	305.0	-10 .12	1	3		
22A086/012	17.11 00	SURV	310.0	335 0	-30 .12	1	5											
22A092/013	17 10 58	SURV	310 0	335 0	-30 .12	1	5											
21A109/015	15 58 14	SURV	7.5	35.0	-20 .12	1	4											
21A120/016	17.29 59	SURV	10.0	165.0	0 .12	1	4											
21A157/021	10:37 40	SURV	10.0	40.0	-20 .12	1	4											
22A160/021	12:49.52	SURV	155.0	327.5	0 .12	1	4											
21A181/023	11:09 59	SURV	55.0	60.0	-10 .12	1	4											
22A184/023	11 15 59	SURV	285.0	290.0	-10 .12	1	4											
21A189/023	12:29 41	SURV	202.5	282.5	-30 .12	1	4											
22A192/023	12:50 30	SURV	75.0	165.0	-30 .12	1	4											
21A212/025	12 19 40	SURV	25.0	65.0	-10 .12	1	4											
21A215/025	12.46 23	SURV	120.0	250.0	-20 .12	1	4											
21A224/028	09:03 11	SURV	322 5	330.0	-30 .12	1	4											
21A228/028	16:29 13	SURV	7.5	17 5	-30 .12	1	4											
22A240/029	13:57 07	SURV	307.5	332.5	-30 .12	1	4											
21A244/030	09:21 10	SURV	322.5	330.0	-30 .12	1	4											
22A245/030	10:57 08	SURV	307.5	332 5	-30 .12	1	4											
22B011/032	09 45 10	SURV	90 0	110.0	-30 .12	1	4											
22B018/033	08:59 01	SURV	172 5	212.5	10 .12	1	5											
22B026/034	09:45 11	SURV	102.5	110.0	-30 .12	1	4											
22B038/035	13:40.00	SURV	102.5	112.5	-30 .12	1	4											
22B042/036	09:45 10	SURV	102.5	110.0	-30 .12	1	4											
21B050/037	16:34 19	SURV	20.0	27 5	-30 .12	1	4											
22B055/038	09:57.11	SURV	102 5	110 0	-30 .12	1	4											
22B109/044	07:36 04	SURV	187 5	260 0	10 .12	1	4											
22B111/044	10 29 59	SURV	285.0	290.0	-10 .12	1	4											
22B128/046	10:13 59	SURV	75.0	140.0	-30 .12	1	4											
22B129/046	10 29 59	SURV	285.0	290 0	-10 .12	1	4											
22B136/046	13 24 49	SURV	40 0	50 0	-10 .12	1	4											
22B137/046	14 13 11	SURV	305 0	335.0	-30 .12	1	4											
22B144/047	12 49 59	SURV	7.5	72 5	-20 .12	1	3											
22B147/047	14 13 10	SURV	305.0	335.0	-30 .12	1	4											
22B151/048	10 29 59	SURV	285.0	290.0	-10 .12	1	4											
22B158/048	12 49 59	SURV	140.0	182.5	-30 .12	1	3											
22B180/049	10 29 59	SURV	285.0	290 0	-10 .12	1	4											
22B187/049	12 49 59	SURV	182.5	265.0	0 .12	1	3											
22B190/050	10 30 00	SURV	285.0	290.0	-10 .12	1	4											
21B202/051	07:13 51	SURV	7.5	37.5	-20 .12	1	4											
21B219/052	16 32 41	SURV	140.0	217.5	10 .12	1	5											
21B229/053	12:37 59	SURV	272.5	335.0	-30 .12	1	3											
22B232/054	10:00 00	SURV	305.0	310.0	-10 .12	1	5											

VL-2 Survey Camera Events

VL-2 VISUAL COLOR TRIPLET CAMERA EVENTS

VL-2

VISUAL COLOR TRIPLET CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN	CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22A003/000	14:59:59	COLOR	80.0	155.0	-20	.12	1	4	21B053/037	19:12:58	COLOR	180.0	267.5	-30	.12	1	1
22A006/001	07:53:59	COLOR	305.0	310.0	-10	.12	1	4	21B064/039	14:20:59	COLOR	30.0	35.0	-10	.12	1	5
22A013/002	09:26:57	COLOR	80.0	155.0	-20	.12	1	4	21B066/039	16:35:59	COLOR	22.5	27.5	-10	.12	1	5
22A016/002	14:50:00	COLOR	15.0	80.0	0	.12	1	4	21B068/039	17:40:59	COLOR	30.0	35.0	-10	.12	1	5
22A018/002	15:00:00	COLOR	155.0	210.0	0	.12	1	4	21B070/039	18:10:59	COLOR	22.5	27.5	-10	.12	1	5
22A019/003	08:00:00	COLOR	305.0	310.0	-10	.12	1	4	21B072/039	18:30:59	COLOR	22.5	27.5	-10	.12	1	5
21A022/003	15:52:00	COLOR	35.0	40.0	-10	.12	1	4	21B074/039	18:40:59	COLOR	22.5	27.5	-10	.12	1	5
21A028/004	09:23:03	COLOR	197.5	335.0	-10	.12	1	4	22B076/039	19:09:59	COLOR	75.0	197.5	-30	.12	1	1
21A033/004	20:13:59	COLOR	170.0	170.0	10	.12	1	4	22B078/040	03:30:59	COLOR	107.5	107.5	10	.12	1	0
21A048/007	03:44:59	COLOR	290.0	290.0	10	.12	1	4	22B079/040	03:56:29	COLOR	112.5	112.5	10	.12	1	2
22A064/009	08:01:59	COLOR	37.5	47.5	-10	.12	1	4	22B080/040	04:21:59	COLOR	117.5	117.5	10	.12	1	4
21A072/010	09:46:06	COLOR	235.0	310.0	-30	.12	1	4	22B087/040	19:09:59	COLOR	197.5	255.0	10	.12	1	1
21A081/012	11:07:59	COLOR	55.0	60.0	-10	.12	1	4	21B092/041	19:09:59	COLOR	267.5	307.5	-20	.12	1	1
21A082/012	11:59:59	COLOR	197.5	287.5	-30	.12	1	4	22B101/042	19:06:59	COLOR	255.0	312.5	0	.12	1	1
21A084/012	12:14:59	COLOR	287.5	322.5	-10	.12	1	4	21B104/043	19:04:59	COLOR	27.5	65.0	0	.12	1	1
21A099/014	16:30:00	COLOR	35.0	40.0	-10	.12	1	4	22B107/044	07:19:23	COLOR	187.5	260.0	10	.12	1	4
21A101/014	17:11:59	COLOR	150.0	192.5	10	.12	1	5	22B112/044	10:32:59	COLOR	285.0	290.0	-10	.12	1	4
21A116/016	11:59:59	COLOR	287.5	327.5	-10	.12	1	4	21B124/045	19:04:59	COLOR	122.5	180.0	0	.12	1	1
22A144/020	08:56:13	COLOR	55.0	105.0	-30	.12	1	4	22B126/046	09:59:59	COLOR	75.0	140.0	-30	.12	1	4
22A145/020	09:31:07	COLOR	10.0	85.0	-20	.12	1	4	22B130/046	10:32:59	COLOR	285.0	290.0	-10	.12	1	4
22A152/021	08:54:42	COLOR	170.0	220.0	0	.12	1	4	22B134/046	13:20:49	COLOR	40.0	50.0	-10	.12	1	4
22A153/021	09:29:38	COLOR	102.5	177.5	-30	.12	1	4	22B142/047	12:29:59	COLOR	7.5	72.5	-20	.12	1	3
22A158/021	12:17:02	COLOR	155.0	327.5	0	.12	1	4	22B152/048	10:31:59	COLOR	285.0	290.0	-10	.12	1	4
22A165/022	08:53:46	COLOR	212.5	262.5	10	.12	1	4	22B156/048	12:29:59	COLOR	140.0	182.5	-30	.12	1	3
22A166/022	09:28:42	COLOR	260.0	335.0	-10	.12	1	4	22B181/049	10:31:59	COLOR	285.0	290.0	-10	.12	1	4
21A171/022	19:58:42	COLOR	175.0	175.0	10	.12	1	5	22B185/049	12:29:59	COLOR	182.5	265.0	0	.12	1	3
21A172/022	20:24:17	COLOR	177.5	177.5	10	.12	1	2	22B191/050	10:32:00	COLOR	285.0	290.0	-10	.12	1	4
21A173/022	20:49:52	COLOR	182.5	182.5	10	.12	1	1	22B197/051	06:33:59	COLOR	22.5	32.5	-20	.12	1	4
21A179/023	08:52:36	COLOR	285.0	335.0	-30	.12	1	4	22B207/051	10:34:59	COLOR	285.0	290.0	-10	.12	1	4
21A180/023	09:27:32	COLOR	225.0	300.0	-30	.12	1	4	21B220/052	16:36:41	COLOR	140.0	217.5	10	.12	1	5
21A182/023	11:11:59	COLOR	55.0	60.0	-10	.12	1	4	21B227/053	12:14:59	COLOR	272.5	335.0	-30	.12	1	3
22A185/023	11:17:59	COLOR	285.0	290.0	-10	.12	1	4	22B233/054	10:03:00	COLOR	305.0	310.0	-10	.12	1	5
21A187/023	12:14:55	COLOR	202.5	282.5	-30	.12	1	4	21B238/054	16:36:00	COLOR	22.5	27.5	-10	.12	1	5
22A190/023	12:33:58	COLOR	75.0	165.0	-30	.12	1	4	21B240/054	16:40:00	COLOR	215.0	227.5	-30	.12	1	3
21A194/024	08:52:00	COLOR	147.5	197.5	0	.12	1	4	21B243/054	17:40:59	COLOR	30.0	35.0	-10	.12	1	5
21A195/024	09:26:56	COLOR	162.5	237.5	-30	.12	1	4	21B245/054	17:44:59	COLOR	215.0	227.5	-30	.12	1	3
21A196/024	10:09:59	COLOR	55.0	60.0	-10	.12	1	4	21B24P/054	18:10:59	COLOR	22.5	27.5	-10	.12	1	5
21A208/025	08:53:42	COLOR	112.5	162.5	0	.12	1	4	21B250/054	18:14:59	COLOR	215.0	227.5	-30	.12	1	3
21A209/025	09:28:38	COLOR	195.0	270.0	10	.12	1	4	21B252/054	18:28:59	COLOR	215.0	227.5	-30	.12	1	3
21A210/025	12:12:02	COLOR	25.0	65.0	-10	.12	1	4	21B253/054	18:30:59	COLOR	22.5	27.5	-10	.12	1	5
21A213/025	12:22:45	COLOR	120.0	250.0	-20	.12	1	4	21C001/054	18:40:59	COLOR	22.5	27.5	-10	.12	1	5
21A217/026	08:52:50	COLOR	77.5	127.5	10	.12	1	4	21C003/054	18:44:59	COLOR	215.0	227.5	-30	.12	1	3
21A218/026	09:27:47	COLOR	15.0	90.0	0	.12	1	4	22C009/055	09:58:00	COLOR	305.0	310.0	-10	.12	1	5
22A254/030	14:25:00	COLOR	115.0	125.0	-30	.12	1	4	21C013/055	12:20:00	COLOR	177.5	272.5	-30	.12	1	3
22B016/033	08:49:00	COLOR	172.5	212.5	10	.12	1	5	22C017/056	09:47:59	COLOR	305.0	310.0	-10	.12	1	5
22B023/034	04:29:00	COLOR	110.0	170.0	10	.12	1	5	22C037/057	07:31:24	COLOR	285.0	297.5	-20	.12	1	4
21B024/034	04:35:00	COLOR	200.0	260.0	-20	.12	1	1	21C048/057	12:19:59	COLOR	102.5	177.5	-10	.12	1	3
22B027/034	10:30:00	COLOR	285.0	290.0	-10	.12	1	4	21C056/058	12:19:59	COLOR	10.0	110.0	-10	.12	1	3
22B036/035	13:30:00	COLOR	102.5	112.5	-30	.12	1	4	22C066/060	11:09:59	COLOR	265.0	305.0	-10	.12	1	3
21B043/036	10:39:59	COLOR	35.0	62.5	-20	.12	1	4									
22B052/037	17:49:58	COLOR	102.5	112.5	-30	.12	1	4									

VL-2 Visual Color Triplet Camera Events

VL-2 INFRARED TRIPLET CAMERA EVENTS

VL-2

INFRARED TRIPLET CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22A036/005	14 59.59	IR	65.0	180.0	-20	.12	1	4
22A038/006	08:00 00	IR	305.0	310.0	-10	.12	1	4
22A159/021	12:32:38	IR	155.0	327.5	0	.12	1	4
21A183/023	11:13:59	IR	55.0	60.0	-10	.12	1	4
22A186/023	11:19:59	IR	285.0	290.0	-10	.12	1	4
21A188/023	12:22:18	IR	202.5	282.5	-30	.12	1	4
22A191/023	12:42:14	IR	75.0	165.0	-30	.12	1	4
21A211/025	12:15:51	IR	25.0	65.0	-10	.12	1	4
21A214/025	12:34:34	IR	120.0	250.0	-20	.12	1	4
22B017/033	08:54:01	IR	172.5	212.5	10	.12	1	4
22B037/035	13:35:00	IR	102.5	112.5	-30	.12	1	4
21B065/039	14:22:59	IR	30.0	35.0	-10	.12	1	5
21B067/039	16:37:59	IR	22.5	27.5	-10	.12	1	5
21B069/039	17:42:59	IR	30.0	35.0	-10	.12	1	5
21B071/039	18:12:59	IR	22.5	27.5	-10	.12	1	5
21B073/039	18:32:59	IR	22.5	27.5	-10	.12	1	5
21B075/039	18:42:59	IR	22.5	27.5	-10	.12	1	5
22B108/044	07:27:44	IR	187.5	260.0	10	.12	1	4
22B113/044	10:35:59	IR	285.0	290.0	-10	.12	1	4
22B127/046	10:06:59	IR	75.0	140.0	-30	.12	1	4
22B131/046	10:35:59	IR	285.0	290.0	-10	.12	1	4
22B135/046	13:22:49	IR	40.0	50.0	-10	.12	1	4
22B143/047	12:39:59	IR	7.5	72.5	-20	.12	1	3
22B153/048	10:34:59	IR	285.0	290.0	-10	.12	1	4
22B157/048	12:39:59	IR	140.0	182.5	-30	.12	1	3
22B182/049	10:34:59	IR	285.0	290.0	-10	.12	1	4
22B186/049	12:39:59	IR	182.5	265.0	0	.12	1	3
22B192/050	10:35:00	IR	285.0	290.0	-10	.12	1	4
22B196/051	06:32:19	IR	22.5	32.5	-20	.12	1	4
22B206/051	10:29:59	IR	285.0	290.0	-10	.12	1	4
21B221/052	16:44:41	IR	140.0	217.5	10	.12	1	4
21B228/053	12:24:59	IR	272.5	335.0	-30	.12	1	3
22B234/054	10:06:00	IR	305.0	310.0	-10	.12	1	5
21B239/054	16:38:00	IR	22.5	27.5	-10	.12	1	5
21B241/054	16:43:00	IR	215.0	227.5	-30	.12	1	3
21B244/054	17:42:59	IR	30.0	35.0	-10	.12	1	5
21B246/054	17:47:59	IR	215.0	227.5	-30	.12	1	3
21B249/054	18:12:59	IR	22.5	27.5	-10	.12	1	5
21B251/054	18:17:59	IR	215.0	227.5	-30	.12	1	3
21B254/054	18:32:59	IR	22.5	27.5	-10	.12	1	5
21B255/054	18:34:59	IR	215.0	227.5	-30	.12	1	3
21C002/054	18:42:59	IR	22.5	27.5	-10	.12	1	5
21C004/054	18:47:59	IR	215.0	227.5	-30	.12	1	3
22C010/055	10:01:00	IR	305.0	310.0	-10	.12	1	5
21C014/055	12:30:00	IR	177.5	272.5	-30	.12	1	3
22C018/056	09:50:59	IR	305.0	310.0	-10	.12	1	5
22C038/057	07:33:17	IR	285.0	297.5	-20	.12	1	4
21C049/057	12:29:59	IR	102.5	177.5	-10	.12	1	3
21C057/058	12:29:59	IR	10.0	110.0	-10	.12	1	3
22C067/060	11:19:59	IR	265.0	305.0	-10	.12	1	3

VL-2 Infrared Triplet Camera Events

VL-2 VISUAL AND IR SINGLET CAMERA EVENTS

VL-2

VISUAL AND INFRARED SINGLET CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN	CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
21A100/014	17 08.59	IR2	150.0	190.0	10	.12	1	4	21B226/053	11:17.22	GRN	235 0	290 0	-10	.04	1	4
22A198/025	02:06.31	BLU	250.0	255.0	30	.04	1	2	21B235/054	10:35:11	RED	235.0	270 0	-10	.04	1	4
22A199/025	02.41.31	BLU	225.0	230 0	30	.04	1	1	21B236/054	11:12 51	RED	270 0	315 0	-10	.04	1	4
22A200/025	03.26.31	BLU	195 0	200.0	20	.04	1	1	21C011/055	10:29.35	GRN	200 0	235 0	-10	.04	1	4
22A233/029	03:03.11	BLU	265.0	270.0	20	.04	1	1	21C012/055	11:07:15	GRN	157 5	202.5	-10	.04	1	4
22A234/029	03.18.11	BLU	255.0	260.0	20	.04	1	1	21C019/056	10:23.30	RED	200 0	235.0	-10	.04	1	4
22A235/029	03.43.11	BLU	237 5	242.5	30	.04	1	1	21C020/056	11:01 10	RED	157 5	202 5	-10	.04	1	4
21B062/039	11:40.15	BLU	215.0	290.0	-50	.04	1	4	21C046/057	10 17 31	BLU	200 0	235.0	-10	.04	1	4
21B063/039	12.18.30	BLU	180.0	217.5	-50	.04	1	4	21C047/057	10.55:11	BLU	157.5	202 5	-10	.04	1	4
21B085/040	11:36.58	GRN	215.0	290.0	-50	.04	1	4	21C054/058	10 11 20	BLU	200 0	235.0	0	.04	1	4
21B086/040	12:15.13	GRN	180.0	217.5	-50	.04	1	4	21C055/058	10:49:00	BLU	157 5	202 5	0	.04	1	4
22B088/041	11.34.22	RED	52.5	75.0	-50	.04	1	4	21C059/059	10:04.49	GRN	200 0	235 0	0	.04	1	4
22B089/041	12:09.44	RED	72.5	142 5	-50	.04	1	4	21C060/059	10.42 29	GRN	157.5	202.5	0	.04	1	4
22B099/042	11:30.51	GRN	52.5	75.0	-50	.04	1	4	21C061/059	11.09 59	BLU	80 0	157.5	0	.04	1	4
22B100/042	12:06.13	GRN	72.5	142.5	-50	.04	1	4	21C062/059	11:19.59	GRN	80 0	157 5	0	.04	1	4
22B102/043	11:27.09	BLU	52.5	75.0	-50	.04	1	4	21C063/059	11.29.59	RED	80.0	157.5	0	.04	1	4
22B103/043	12:02.31	BLU	72.5	142.5	-50	.04	1	4	21C064/060	09:58.14	RED	200.0	235.0	0	.04	1	4
22B114/044	11:23.19	RED	140.0	162.5	-50	.04	1	4	21C065/060	10:35.53	RED	157.5	200.0	0	.04	1	4
22B115/044	11:58.41	RED	75.0	145.0	-30	.04	1	4	21C070/061	10:29:00	RED	292.5	335.0	-10	.04	1	4
22B122/045	11:19.22	GRN	140.0	162.5	-50	.04	1	4									
22B123/045	11:54.45	GRN	75.0	145.0	-30	.04	1	4									
22B132/046	11:15.36	BLU	140.0	162.5	-50	.04	1	4									
22B133/046	11:50.59	BLU	75.0	145.0	-30	.04	1	4									
21B140/047	11:09.08	RED	170.0	225.0	-30	.04	1	4									
21B141/047	11:45.50	RED	225.0	280.0	-30	.04	1	4									
21B154/048	11:04.47	BLU	170.0	225.0	-30	.04	1	4									
21B155/048	11:41.29	BLU	225.0	280 0	-30	.04	1	4									
22B162/048	22.46:02	BLU	280.0	285.0	20	.04	1	1									
22B163/048	22.47.34	RED	277.5	282.5	20	.04	1	0									
22B164/048	22.49.09	IR2	277.5	282.5	20	.04	1	0									
22B165/048	22.50.41	GRN	277.5	282.5	20	.04	1	1									
22B166/048	22.52.13	IR1	275.0	280.0	20	.04	1	0									
22B167/048	22.53.45	IR3	275.0	280 0	20	.04	1	0									
22B169/048	23:16.25	BLU	260.0	265 0	30	.04	1	1									
22B170/048	23:17.57	RED	260.0	265 0	30	.04	1	1									
22B171/048	23:19.29	IR2	257.5	262.5	30	.04	1	1									
22B172/048	23.40.47	GRN	245.0	250.0	30	.04	1	1									
22B173/048	23.42.19	IR1	242.5	247.5	30	.04	1	1									
22B174/048	23.43.51	IR3	242.5	247.5	30	.04	1	1									
22B176/048	23.46.55	BLU	240.0	245.0	30	.04	1	2									
22B177/048	23.48.27	RED	240.0	245.0	30	.04	1	1									
22B178/048	23.49.59	IR2	237.5	242.5	30	.04	1	1									
21B183/049	11:00.18	GRN	170.0	225 0	-30	.04	1	4									
21B184/049	11.37.00	GRN	225.0	280.0	-30	.04	1	4									
22B193/050	10.55.45	RED	135.0	190.0	-30	.04	1	4									
21B194/050	11:32.27	RED	270.0	340.0	-30	.04	1	4									
22B209/051	10.50.55	GRN	135.0	190.0	-30	.04	1	4									
21B210/051	11.27.37	GRN	270.0	340.0	-30	.04	1	4									
21B216/052	10:45.56	BLU	280.0	335.0	-10	.04	1	4									
21B217/052	11:22.37	BLU	235.0	290.0	-10	.04	1	4									
21B225/053	10:40.41	GRN	280.0	335.0	-10	.04	1	4									

VL-2 Visual and IR Singlet Camera Events

VL-2 SUN IMAGERY CAMERA EVENTS

VL-2 RESCANNING CAMERA EVENTS

VL-2

RESCANNING CAMERA EVENTS

CELLABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	DATAPATH	RESCAN
22A002/000	09:55:33	SURV	10 0	325 0	-10	.12	RT/UH	186
22A007/001	09:28:56	BB2	80.0	127.5	-30	.04	RT/UH	475
22A010/001	13:42:11	BB1	125.0	125.0	-50	.04	RT/SB	67
22A015/002	13:42:11	BB1	125.0	125.0	-50	.04	RT/SB	50
21A033/004	20:13:59	COLOR	170.0	170.0	10	.12	REC/UH	77
21A034/005	09:21:09	BB3	270.0	297.5	-20	.04	RT/UH	975
21A040/006	11:00:00	BB1	35.0	60.0	-20	.04	REC/UH	23
21A048/007	03:44:59	COLOR	290.0	290.0	10	.12	REC/UH	57
22A055/008	12:52:11	BB1	135.0	135.0	-40	.04	RT/SB	94
21A068/009	12:00:10	BB1	245.0	245.0	-40	.04	RT/SB	50
22A073/010	12:10:11	BB1	135.0	135.0	-40	.04	RT/SB	94
21A077/011	09:44:20	SURV	125.0	335.0	-20	.12	RT/UH	90
21A078/011	14:30:10	BB1	245.0	245.0	-40	.04	RT/SB	50
21A085/012	15:15:10	BB1	260.0	260.0	-40	.04	RT/SB	50
22A091/013	14:24:10	BB1	90.0	90.0	-40	.04	RT/SB	50
21A098/014	13:57:11	BB1	260.0	260.0	-40	.04	RT/SB	50
22A107/015	13:42:10	BB1	90.0	90.0	-40	.04	RT/SB	59
21A117/016	13:39:10	BB1	260.0	260.0	-40	.04	RT/SB	50
22A126/017	12:25:10	BB1	135.0	135.0	-40	.04	RT/SB	99
21A131/018	13:21:11	BB1	260.0	260.0	-40	.04	RT/SB	50
22A138/019	12:25:10	BB3	67.5	67.5	-10	.04	RT/SB	94
21A146/020	13:21:10	BB1	260.0	260.0	-40	.04	RT/SB	50
21A167/022	13:20:54	BB1	260.0	260.0	-40	.04	RT/SB	52
21A171/022	19:58:42	COLOR	175.0	175.0	10	.12	REC/UH	36
21A172/022	20:24:17	COLOR	177.5	177.5	10	.12	REC/UH	37
21A173/022	20:49:52	COLOR	182.5	182.5	10	.12	REC/UH	34
21A197/024	14:33:11	BB1	260.0	260.0	-40	.04	RT/SB	50
21A219/026	13:15:11	BB1	260.0	260.0	40	.04	RT/SB	50
22B078/040	03:30:59	COLOR	107.5	107.5	10	.12	REC/UH	37
22B079/040	03:56:29	COLOR	112.5	112.5	10	.12	REC/UH	37
22B080/040	04:21:59	COLOR	117.5	117.5	10	.12	REC/UH	34
22B115/044	11:58:41	RED	75.0	145.0	-30	.04	RT/UH	79
22B123/045	11:54:45	GRN	75.0	145.0	-30	.04	RT/UH	68
21B140/047	11:09:08	RED	170.0	225.0	-30	.04	RT/UH	25
21B154/048	11:04:47	BLU	170.0	225.0	-30	.04	RT/UH	25
21B183/049	11:00:18	GRN	170.0	225.0	-30	.04	RT/UH	25
22B193/050	10:55:45	RED	135.0	190.0	-30	.04	RT/UH	25
22B209/051	10:50:55	GRN	135.0	190.0	-30	.04	RT/UH	25
21B216/052	10:45:56	BLU	280.0	335.0	-10	.04	RT/UH	25
21B225/053	10:40:41	GRN	280.0	335.0	-10	.04	RT/UH	25

VL-2 Rescanning Camera Events

VL-2 IPL PICTURE IDENTIFIERS (EDR ORDER NUMBERS)

VL-2
IPL PICTURE IDENTIFIERS
(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID
22A001/000	BB1	77/02/20/212911	21A023/003	BB1	77/02/17/222535	21A048/007	RED	77/02/21/028225	21A079/012	BB1	77/02/22/212008
		77/02/20/212935	21A024/003	BB3	77/02/17/222839	21A049/007	SUN	77/02/21/023538			77/02/22/212051
		77/02/20/21301	21A025/003	SURV	77/02/17/223354	21A050/007	BB4	77/02/21/024116			77/02/22/212129
22A002/000	SURV	77/02/20/21333			77/02/17/223505			77/02/21/024150			77/02/22/212206
		77/02/20/213401	21A026/003	CAL	77/02/17/223814			77/02/21/024230	21A080/012	BB1	77/02/22/212542
		77/02/20/213426	22A027/004	BB1	77/02/17/224231	22A051/007	SURV	77/02/21/024548			77/02/22/212628
		77/02/20/213451	21A028/004	BLU	77/02/17/224547	21A052/007	BB2	77/02/21/024934			77/02/22/212708
22A003/000	BLU	77/02/20/213712			77/02/17/224631			77/02/21/024959	21A081/012	BLU	77/02/22/213044
	GRN	77/02/20/213944		GRN	77/02/17/225019	21A053/007	CAL	77/02/21/025302		GRN	77/02/22/213411
	RED	77/02/20/214359			77/02/17/225049	21A054/008	BB4	77/02/21/025712		RED	77/02/22/213823
22A004/000	CAL	77/02/20/215139		RED	77/02/17/225711			77/02/21/025758	21A082/012	BLU	77/02/22/214622
22A005/000	BB2	77/02/20/215409			77/02/17/225743			77/02/21/025840		GRN	77/02/22/214910
		77/02/20/215436	21A029/004	SURV	77/02/17/230054	22A055/008	BB1	77/02/21/030354		RED	77/02/22/215159
22A006/001	BLU	77/02/20/215710	21A030/004	CAL	77/02/17/230333	22A056/008	BB2	77/02/22/201457	21A083/012	CAL	77/02/22/215524
	GRN	77/02/20/220017	21A031/004	BB1	77/02/20/235858	21A057/008	BB2	77/02/22/201803	21A084/012	BLU	77/02/22/215859
	RED	77/02/20/220238			77/02/20/235940	22A058/008	BB2	77/02/22/202110		GRN	77/02/22/220307
22A007/001	BB2	77/02/20/220542			77/02/21/000012	21A059/008	BB3	77/02/22/202521		RED	77/02/22/220640
		77/02/20/220611	21A032/004	BB2	77/02/21/000419	21A060/008	SURV	77/02/22/202801	21A085/012	BB1	77/02/22/221122
		77/02/20/220649	21A033/004	BLU	77/02/21/000801	21A061/008	BB1	77/02/22/203026	22A086/012	SURV	77/02/22/221636
22A008/001	BB1	77/02/20/221027		GRN	77/02/21/001217	21A062/009	BB2	77/02/22/203313	22A087/012	CAL	77/02/22/222159
		77/02/20/221052		RED	77/02/21/001804	22A063/009	BB2	77/02/22/203620	22A088/013	BB2	77/02/21/015851
22A009/001	BB1	77/02/22/163518	21A034/005	BB3	77/02/21/002202	22A064/009	BLU	77/02/22/203923			77/02/21/015932
22A010/001	BB1	77/02/22/163753			77/02/21/002246		GRN	77/02/22/204158			77/02/21/020015
22A011/001	BB3	77/02/22/164054			77/02/21/002322		RED	77/02/22/204612			77/02/21/020053
		77/02/22/164126	22A035/005	SURV	77/02/21/002724	21A065/009	BB3	77/02/22/204838	22A089/013	BB2	77/02/21/020541
		77/02/22/164203	22A036/005	IR3	77/02/21/003304	21A066/009	CAL	77/02/22/205105			77/02/21/020647
22A012/001	CAL	77/02/22/164457			77/02/21/003340	22A067/009	BB4	77/02/22/205437			77/02/21/020711
22A013/002	BLU	77/02/22/164754		IR2	77/02/21/003814			77/02/22/205512	21A090/013	BB1	77/02/21/021142
	GRN	77/02/22/165136			77/02/21/003947			77/02/22/205544	22A091/013	BB1	77/02/21/021644
	RED	77/02/22/165409		IR1	77/02/21/004407	21A068/009	BB1	77/02/22/205914	22A092/013	SURV	77/02/21/022057
22A014/002	SURV	77/02/22/165656			77/02/21/004440	21A069/009	BB3	77/02/22/210209	22A093/013	BB3	77/02/21/022717
22A015/002	BB1	77/02/22/170138	22A037/005	CAL	77/02/21/004925	22A070/010	BB2	77/02/21/005533			77/02/21/022751
22A016/002	BLU	77/02/22/170401	22A038/006	IR3	77/02/21/013442	21A071/010	BB4	77/02/21/010009	22A094/013	CAL	77/02/21/023149
	GRN	77/02/22/170708		IR2	77/02/21/013811			77/02/21/010058	22A095/014	BB1	77/02/21/023632
	RED	77/02/22/170940		IR1	77/02/21/014110			77/02/21/010143			77/02/21/023719
22A017/002	CAL	77/02/22/171203	21A039/006	BB1	77/02/21/014446	21A072/010	BLU	77/02/21/010621			77/02/21/023808
22A018/002	BLU	77/02/22/171427			77/02/21/014524		GRN	77/02/21/011056	22A096/014	BB3	77/02/21/024226
	GRN	77/02/22/171651			77/02/21/014558		RED	77/02/21/011428			77/02/21/024305
	RED	77/02/22/171915	21A040/006	BB1	77/02/21/014945	22A073/010	BB1	77/02/21/011758			77/02/21/024343
22A019/003	BLU	77/02/17/214923	22A041/006	BB1	77/02/21/015401	21A074/010	BB1	77/02/21/012153			77/02/21/024419
	GRN	77/02/17/215429	21A042/006	BB1	77/02/21/015901	21A075/010	BB3	77/02/21/013046	22A097/014	BB3	77/02/21/025052
	RED	77/02/17/215757	22A043/006	SURV	77/02/21/020313			77/02/21/013118			77/02/21/025126
22A020/003	BB1	77/02/17/220202	21A044/006	BB2	77/02/21/020834	21A076/011	BB4	77/02/21/013612			77/02/21/025204
		77/02/17/220315			77/02/21/020909			77/02/21/013649	21A098/014	BB1	77/02/21/025540
		77/02/17/220355	21A045/006	CAL	77/02/21/021230			77/02/21/013813	21A099/014	BLU	77/02/21/025929
22A021/003	SURV	77/02/17/220756	22A046/006	BB2	77/02/21/021523	21A077/011	SURV	77/02/21/014326		GRN	77/02/21/030254
21A022/003	BLU	77/02/17/221200	21A047/006	SUN	77/02/21/021926			77/02/21/014452		RED	77/02/21/030619
	GRN	77/02/17/221554	21A048/007	BLU	77/02/21/022350			77/02/21/014621	21A100/014	IR2	77/02/21/030926
	RED	77/02/17/221900		GRN	77/02/21/022834	21A078/011	BB1	77/02/21/015009	21A101/014	BLU	77/02/21/031251

VL-2 IPL Picture Identifiers (EDR Order Numbers)

VL-2
IPL PICTURE IDENTIFIERS
(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID
21A101/014	GRN	77/02/21/031629	21A129/018	BB4	77/02/22/215755	22A153/021	RED	77/03/09/183726	22A176/023	BB1	77/02/21/125026
	RED	77/02/21/032149			77/02/22/215838	22A154/021	BB2	77/03/09/184212	22A177/023	CAL	77/02/21/125544
21A102/014	CAL	77/02/21/032546	21A130/018	BB4	77/02/22/220304	22A155/021	BB2	77/03/09/184609	22A178/023	BB2	77/02/21/130137
22A103/014	BB2	77/02/21/032948			77/02/22/220348	22A156/021	BB2	77/03/09/184914			77/02/21/130251
22A104/014	BB4	77/02/21/033351			77/02/22/220435	21A157/021	SURV	77/03/09/185221	21A179/023	BLU	77/02/21/130927
		77/02/21/033424	21A131/018	BB1	77/02/22/220839	22A158/021	BLU	77/03/09/190113		GRN	77/02/21/131538
22A105/015	BB4	77/02/21/034108	21A132/018	BB1	77/02/22/221445			77/03/09/190159		RED	77/02/21/132217
		77/02/21/034139			77/02/22/221545		GRN	77/03/09/190637	21A180/023	BLU	77/02/21/132714
		77/02/21/034210	22A133/018	BB3	77/02/22/222104			77/03/09/190714		GRN	77/02/21/133218
		77/02/21/034240	21A134/018	BB4	77/02/22/222535		RED	77/03/09/191137		RED	77/02/21/133733
22A106/015	BB4	77/02/21/034537	22A135/018	BB4	77/02/22/223224			77/03/09/191227	21A181/023	SURV	77/02/21/134207
		77/02/21/034606			77/02/22/223300	22A159/021	IR3	77/03/09/191614	21A182/023	BLU	77/02/21/134723
		77/02/21/034643	22A136/019	BB4	77/02/22/223558			77/03/09/191639		GRN	77/02/21/135316
22A107/015	BB1	77/02/21/034935			77/02/22/223622		IR2	77/03/09/191938		RED	77/02/21/135853
21A108/015	BB4	77/02/21/035231	22A137/019	BB4	77/02/22/223920			77/03/09/192009	21A183/023	IR3	77/02/21/140459
		77/02/21/035306			77/02/22/223946		IR1	77/03/09/192610		IR2	77/02/21/141029
21A109/015	SURV	77/02/21/040421			77/02/22/224012			77/03/09/192635		IR1	77/02/21/141628
21A110/015	BB2	77/02/21/040719	22A138/019	BB3	77/02/22/224316	22A160/021	SURV	77/03/09/193026	22A184/023	SURV	77/02/21/142024
21A111/015	BB3	77/02/21/041016	21A139/019	BB4	77/02/22/224647			77/03/09/193100	22A185/023	BLU	77/02/23/011515
21A112/015	SUN	77/02/21/041330			77/02/22/224718	21A161/021	BB4	77/03/09/193711		GRN	77/02/23/011843
21A113/015	SUN	77/02/21/041704	22A140/019	BB4	77/02/22/225235	22A162/021	BB2	77/03/09/194232		RED	77/02/23/012306
21A114/016	BB2	77/03/08/204853			77/02/22/225302	22A163/021	BB2	77/03/09/194810	22A186/023	IR3	77/02/23/012632
		77/03/08/204943	22A141/019	BB4	77/02/22/225549	21A164/022	BB4	77/02/21/031421		IR2	77/02/23/012950
		77/03/08/205026			77/02/22/225620			77/02/21/031455		IR1	77/02/23/013442
		77/03/08/205114	21A142/019	BB4	77/02/22/225959			77/02/21/031529	21A187/023	BLU	77/02/23/013841
21A115/016	BB2	77/03/08/205630			77/02/22/230027			77/02/21/031602		GRN	77/02/23/014242
		77/03/08/205702	22A143/019	BB4	77/02/22/230308	22A165/022	BLU	77/02/21/031922		RED	77/02/23/014618
		77/03/08/205734			77/02/22/230337		GRN	77/02/21/032313	21A188/023	IR3	77/02/23/015100
21A116/016	BLU	77/03/08/210121	22A144/020	BLU	77/02/25/010309		RED	77/02/21/032638		IR2	77/02/23/015805
	GRN	77/03/08/210415		GRN	77/02/25/010731	22A166/022	BLU	77/02/21/033005		IR1	77/02/23/020450
	RED	77/03/08/210704		RED	77/02/25/011200		GRN	77/02/21/033458	21A189/023	SURV	77/02/23/021240
21A117/016	BB1	77/03/08/211424	22A145/020	BLU	77/02/25/011618		RED	77/02/21/033943	22A190/023	BLU	77/02/23/021936
22A118/016	BB4	77/03/08/211744		GRN	77/02/25/012108	21A167/022	BB1	77/02/21/034644		GRN	77/02/23/022519
		77/03/08/211820		RED	77/02/25/012552	21A168/022	BB4	77/02/21/035239		RED	77/02/23/023217
22A119/016	BB3	77/03/08/212103	21A146/020	BB1	77/02/25/013050	21A169/022	SUN	77/02/21/035751	22A191/023	IR3	77/02/23/023854
21A120/016	SURV	77/03/08/212744	21A147/020	BB4	77/02/25/013501	21A170/022	SUN	77/02/21/040210		IR2	77/02/23/024457
		77/03/08/212815			77/02/25/013608	21A171/022	BLU	77/02/21/040519		IR1	77/02/23/025039
22A121/016	BB3	77/03/08/213217	22A148/020	BB4	77/02/25/014228		GRN	77/02/21/040845	22A192/023	SURV	77/02/23/025658
		77/03/08/213254			77/02/25/014307		RED	77/02/21/041222	21A193/024	BB2	77/02/21/052823
21A122/017	BB4	77/03/08/213634			77/02/25/014423	21A172/022	BLU	77/02/21/041611	21A194/024	BLU	77/02/21/053116
		77/03/08/213709	21A149/020	BB4	77/02/25/014806		GRN	77/02/21/042010		GRN	77/02/21/053449
21A123/017	BB4	77/03/08/214206			77/02/25/014923		RED	77/02/21/042353		RED	77/02/21/053814
		77/03/08/214239	21A150/020	BB3	77/02/25/015246	21A173/022	BLU	77/02/21/042946	21A195/024	BLU	77/02/21/054119
		77/03/08/214310	21A151/020	BB4	77/02/25/015647		GRN	77/02/21/043347		GRN	77/02/21/054432
22A124/017	BB1	77/03/08/214641	22A152/021	BLU	77/03/09/181652		RED	77/02/21/043809		RED	77/02/21/054817
21A125/017	BB1	77/03/08/215136		GRN	77/03/09/182048	21A174/023	BB2	77/02/21/123817	21A196/024	BLU	77/02/21/055234
22A126/017	BB1	77/03/08/215750		RED	77/03/09/182536			77/02/21/123944		GRN	77/02/21/055559
21A127/017	BB4	77/03/08/220303	22A153/021	BLU	77/03/09/182834	21A175/023	CAL	77/02/21/124356		RED	77/02/21/055923
21A128/017	BB2	77/03/08/220657		GRN	77/03/09/183258	22A176/023	BB1	77/02/21/124926	21A197/024	BB1	77/02/21/060717

VL-2
IPL PICTURE IDENTIFIERS
(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID
22A198/025	BLU	77/02/21/125207	22A220/027	BB4	77/02/21/133132	21A248/030	BB2	77/02/23/020532	21B015/033	BB1	77/02/23/0231122
22A199/025	BLU	77/02/21/125713			77/02/21/133254	22A249/030	BB2	77/02/23/021227			77/02/23/023212
22A200/025	BLU	77/02/21/130257			77/02/21/133348	21A250/030	BB2	77/02/23/021834	22B016/033	BLU	77/02/23/023905
22A201/025	SUN	77/02/21/130922	21A221/027	BB4	77/02/21/133954	22A251/030	BB2	77/02/23/022439		GRN	77/02/23/024531
22A202/025	SUN	77/02/21/131516			77/02/21/134047	22A252/030	BB4	77/02/23/023059		RED	77/02/23/025230
22A203/025	SUN	77/02/21/132008			77/02/21/134139			77/02/23/023149	22B017/033	IR3	77/02/23/025911
21A204/025	BB4	77/02/21/132449			77/02/21/134248			77/02/23/023237		IR2	77/02/23/030438
22A205/025	BB1	77/02/21/132957			77/02/21/134354			77/02/23/023318		IR1	77/02/23/030827
		77/02/21/133117	21A222/027	BB4	77/02/21/135120			77/02/23/023402	22B018/033	SURV	77/02/23/031127
22A206/025	BB3	77/02/21/133829			77/02/21/135226	22A253/030	BB4	77/02/23/024133	22B019/033	CAL	77/02/23/031655
		77/02/21/133917	22A223/028	BB4	77/02/21/135904			77/02/23/024215	22B020/033	BB1	77/02/23/031946
22A207/025	BB3	77/02/21/134511			77/02/21/135955	22A254/030	BLU	77/02/23/024857	21B021/033	BB1	77/02/23/032345
		77/02/21/134634			77/02/21/140045		GRN	77/02/23/025516			77/02/23/032429
21A208/025	BLU	77/02/21/135216			77/02/21/140144		RED	77/02/23/030113			77/02/23/032458
	GRN	77/02/21/135758	21A224/028	SURV	77/02/21/140706	22A255/030	BB4	77/02/23/030623			77/02/23/032523
	RED	77/02/21/140356	21A225/028	BB3	77/02/21/141600	22B000/031	BB4	77/02/23/042613	21B022/033	BB3	77/02/23/032828
21A209/025	BLU	77/02/21/140945			77/02/21/141647			77/02/21/042646			77/02/23/032900
	GRN	77/02/21/141422			77/02/21/141726			77/02/21/042713			77/02/23/032933
	RED	77/02/21/141832			77/02/21/141815			77/02/21/042738	22B023/034	BLU	77/02/23/140841
21A210/025	BLU	77/02/23/011416			77/02/21/141855	21B001/031	BB4	77/02/21/043024		GRN	77/02/23/141318
	GRN	77/02/23/011820	21A226/028	BB4	77/02/21/142209	22B002/031	BB3	77/02/21/043344		RED	77/02/23/141717
	RED	77/02/23/012204			77/02/21/142233			77/02/21/043425	21B024/034	BLU	77/02/23/142025
21A211/025	IR3	77/02/23/012602	21A227/028	BB2	77/02/21/142512	22B003/031	BB4	77/02/21/044332		GRN	77/02/23/142325
	IR2	77/02/23/012937	21A228/028	SURV	77/02/21/142825			77/02/21/044409		RED	77/02/23/142647
	IR1	77/02/23/013251	21A229/028	BB2	77/02/21/143106			77/02/21/044437	22B025/034	BB2	77/02/23/143029
21A212/025	SURV	77/02/23/013634	21A230/028	BB2	77/02/21/143553			77/02/21/044503	22B026/034	SURV	77/02/23/143336
21A213/025	BLU	77/02/23/014050	21A231/028	SUN	77/02/21/143827	22B004/031	BB4	77/02/21/044755	22B027/034	BLU	77/02/23/143703
		77/02/23/014147	21A232/028	SUN	77/02/21/144057			77/02/21/044823		GRN	77/02/23/144156
	GRN	77/02/23/014804	22A233/029	BLU	77/02/21/125335			77/02/21/044850		RED	77/02/23/144612
		77/02/23/014839	22A234/029	BLU	77/02/21/125836	22B005/031	BB1	77/02/21/045122	22B028/034	BB2	77/02/23/144838
	RED	77/02/23/015303	22A235/029	BLU	77/02/21/130307	21B006/031	SUN	77/02/21/045353	21B029/034	BB2	77/02/23/145129
		77/02/23/015409	22A236/029	BB4	77/02/21/130813	21B007/031	SUN	77/02/21/045628	22B030/034	BB2	77/02/23/145426
21A214/025	IR3	77/02/23/015831			77/02/21/130920	21B008/032	BB4	77/02/21/050047	21B031/034	BB2	77/02/23/150051
		77/02/23/015915	21A237/029	BB4	77/02/21/131630	21B009/032	BB4	77/02/21/050511	21B032/034	BB2	77/02/23/150457
	IR2	77/02/23/020305			77/02/21/131735			77/02/21/050606			77/02/23/150527
		77/02/23/020354			77/02/21/131835			77/02/21/050637			77/02/23/150556
	IR1	77/02/23/020804			77/02/21/131952	21B010/032	BB4	77/02/21/051024			77/02/23/150623
		77/02/23/020839			77/02/21/132100			77/02/21/051100	21B033/034	BB1	77/02/27/215821
21A215/025	SURV	77/02/23/021506	21A238/029	BB4	77/02/21/132837			77/02/21/051135			77/02/27/220051
		77/02/23/021538			77/02/21/132916	22B011/032	SURV	77/02/21/051434			77/02/27/220257
21A216/025	BB3	77/02/23/022015	22A239/029	BB2	77/02/21/133400	22B012/032	BB2	77/02/23/020015	21B034/035	BB3	77/02/27/221231
21A217/026	BLU	77/02/21/125048	22A240/029	SURV	77/02/21/133924			77/02/23/020138			77/02/27/221346
	GRN	77/02/21/125721	21A241/029	BB2	77/02/21/134410			77/02/23/020310			77/02/27/221443
	RED	77/02/21/130248	22A242/029	BB2	77/02/21/134906			77/02/23/020445	21B035/035	BB2	77/02/27/222342
21A218/026	BLU	77/02/21/130747	22A243/030	BB1	77/02/21/135327	22B013/032	BB3	77/02/23/021219			77/02/27/222420
	GRN	77/02/21/131231	21A244/030	SURV	77/02/21/135901			77/02/23/021318	22B036/035	BLU	77/02/27/223659
	RED	77/02/21/131804	22A245/030	SURV	77/02/21/140323			77/02/23/021426		GRN	77/02/27/224542
21A219/026	BB1	77/02/21/132334	21A246/030	BB2	77/02/21/140740	22B014/032	BB3	77/02/23/022110		RED	77/02/27/225041
22A220/027	BB4	77/02/21/133041	22A247/030	BB2	77/02/23/015902	21B015/033	BB1	77/02/23/023007	22B037/035	IR3	77/02/27/225417

VL-2
IPL PICTURE IDENTIFIERS
(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID
22B037/035	IR2	77/02/27/225944	22B061/039	BB2	77/02/23/212343	22B076/039	RED	77/02/26/003907	21B104/043	GRN	77/02/23/233647
	IR1	77/02/27/230947			77/02/23/212511	22B077/039	RED/C	77/02/26/004440		RED	77/02/23/234128
22B038/035	SURV	77/02/27/231901			77/02/23/212613	22B078/040	BLU	77/02/23/212513	22B105/044	SUN	77/02/23/234605
21B039/036	BB4	77/02/23/123101	21B062/039	BLU	77/02/23/213210		GRN	77/02/23/213100	22B106/044	SUN	77/02/23/235141
		77/02/23/123149			77/02/23/213310		RED	77/02/23/213556	22B107/044	BLU	77/02/23/235706
21B040/036	BB2	77/02/23/124027			77/02/23/213425	22B079/040	BLU	77/02/23/214211		GRN	77/02/24/000439
		77/02/23/124130	21B063/039	BLU	77/02/23/214104		GRN	77/02/23/214906		RED	77/02/24/001035
		77/02/23/124247			77/02/23/214210		RED	77/02/23/215556	22B108/044	IR3	77/02/24/001624
		77/02/23/124346	21B064/039	BLU	77/02/23/214904	22B080/040	BLU	77/02/23/220115		IR2	77/02/24/002210
22B041/036	BB1	77/02/23/125035			77/02/23/215557		GRN	77/02/23/220552		IR1	77/02/24/002802
22B042/036	SURV	77/02/23/125451			77/02/23/220311		RED	77/02/23/221103	22B109/044	SURV	77/02/24/003252
21B043/036	BLU	77/02/23/125923	21B065/039	IR3	77/02/23/220951	22B081/040	SUN	77/02/23/221542	22B111/044	SURV	77/02/24/003831
	GRN	77/02/23/130320			77/02/23/221436	22B082/040	SUN	77/02/23/222144	22B112/044	BLU	77/02/24/004421
	RED	77/02/23/131011			77/02/23/221856	22B083/040	SUN	77/02/23/222642		GRN	77/02/24/005027
22B044/036	BB3	77/02/23/131531	21B066/039	BLU	77/02/23/222218	21B085/040	GRN	77/02/23/223200		RED	77/02/24/005557
		77/02/23/131629			77/02/23/222718			77/02/23/223249	22B113/044	IR3	77/02/27/235932
		77/02/23/131706			77/02/23/223240			77/02/23/223346		IR2	77/02/28/000317
22B045/036	BB2	77/02/23/132132	21B067/039	IR3	77/02/23/223726	21B086/040	GRN	77/02/23/223835		IR1	77/02/28/000743
		77/02/23/132212			77/02/23/224142			77/02/23/223918	22B114/044	RED	77/02/28/001209
22B046/037	BB2	77/02/23/132807			77/02/23/224651	22B087/040	BLU	77/02/23/224430	22B115/044	RED	77/02/28/001626
		77/02/23/132848	21B068/039	BLU	77/02/23/225429		GRN	77/02/23/225010			77/02/28/001715
		77/02/23/132931			77/02/23/225845		RED	77/02/23/225331			77/02/28/001808
22B047/037	BB2	77/02/23/133556			77/02/23/230311	22B088/041	RED	77/02/23/230036	22B116/045	BB3	77/02/28/002228
		77/02/23/133631	21B069/039	IR3	77/02/23/230801	22B089/041	RED	77/02/23/230556	22B117/045	BB3	77/02/28/002651
21B048/037	BB2	77/02/23/133957			77/02/23/231239			77/02/23/230702	22B118/045	BB2	77/02/28/003136
21B049/037	BB2	77/02/23/134416			77/02/23/231610			77/02/23/230746	21B119/045	BB2	77/02/28/003728
21B050/037	SURV	77/02/23/134846	21B070/039	BLU	77/02/25/230237	22B090/041	BB4	77/02/23/231216	22B120/045	BB2	77/02/28/004154
21B051/037	BB2	77/02/23/135209			77/02/25/230643	22B091/041	BB2	77/02/27/230034	21B121/045	BB2	77/02/28/004627
22B052/037	BLU	77/02/23/135705			77/02/25/231055	21B092/041	BLU	77/02/27/230354	22B122/045	GRN	77/02/28/005048
	GRN	77/02/23/140012	21B071/039	IR3	77/02/25/231520		GRN	77/02/27/230750	22B123/045	GRN	77/02/28/005526
	RED	77/02/23/140242			77/02/25/231849		RED	77/02/27/231120			77/02/28/005614
21B053/037	BLU	77/02/25/123027			77/02/25/232346	21B093/042	BB2	77/02/27/231434			77/02/28/005707
	GRN	77/02/25/123621	21B072/039	BLU	77/02/25/232641	21B094/042	BB1	77/02/27/231822	21B124/045	BLU	77/02/28/010109
	RED	77/02/25/124155			77/02/25/233026	21B095/042	BB4	77/02/27/232333		GRN	77/02/28/010533
21B054/038	BB3	77/02/25/124551			77/02/25/233440			77/02/27/232451		RED	77/02/28/011002
		77/02/25/124623	21B073/039	IR3	77/02/25/234019	21B096/042	BB4	77/02/27/232929	22B126/046	BLU	77/02/24/122928
		77/02/25/124652			77/02/25/234605	22B098/042	BB1	77/02/27/233505		GRN	77/02/24/123311
22B055/038	SURV	77/02/25/124955			77/02/25/235020	22B099/042	GRN	77/02/27/234658		RED	77/02/24/123627
22B056/038	BB1	77/02/25/125255	21B074/039	BLU	77/02/25/235452	22B100/042	GRN	77/02/27/235105	22B127/046	IR3	77/02/24/123609
22B057/038	BB1	77/02/25/125747			77/02/25/235851			77/02/27/235154		IR2	77/02/24/124159
		77/02/25/125812			77/02/26/000318			77/02/27/235320		IR1	77/02/24/124438
		77/02/25/125835	21B075/039	IR3	77/02/26/000634	22B101/042	BLU	77/02/27/235709	22B128/046	SURV	77/02/24/124849
22B058/038	BB1	77/02/25/130152			77/02/26/000950		GRN	77/02/28/000325	22B129/046	SURV	77/02/24/125308
		77/02/25/130230			77/02/26/001255		RED	77/02/28/000813	22B130/046	BLU	77/02/24/125633
21B059/038	BB3	77/02/25/130523	22B076/039	BLU	77/02/26/002025	22B102/043	BLU	77/02/23/232458		GRN	77/02/24/130016
		77/02/25/130553			77/02/26/002119	22B103/043	BLU	77/02/23/232843		RED	77/02/24/130900
21B060/038	BB1	77/02/25/130943			77/02/26/002843			77/02/23/232919	22B131/046	IR3	77/02/24/131321
		77/02/25/131016			77/02/26/002919			77/02/23/232954		IR2	77/02/24/131712
		77/02/25/131053			77/02/26/003617	21B104/043	BLU	77/02/23/233306		IR1	77/02/24/132032

VL-2
IPL PICTURE IDENTIFIERS
(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID
22B132/046	BLU	77/02/24/132424	21B160/048	SUN	77/02/24/013408	21B194/050	RED	77/02/28/032409	21B221/052	IR1	77/03/08/231056
22B133/046	BLU	77/02/24/132809	21B161/048	SUN	77/02/24/013734			77/02/28/032451	21B222/052	SUN	77/03/08/231439
		77/02/24/132848	22B162/048	BLU	77/02/24/014024	21B195/050	BB2	77/02/28/033114	21B223/052	SUN	77/03/08/231856
		77/02/24/132930	22B163/048	RED	77/02/28/021735			77/02/28/033210	21B224/052	SUN	77/03/08/232500
22B134/046	BLU	77/02/24/133451	22B164/048	IR2	77/02/28/022351	22B196/051	IR3	77/02/25/221415	21B225/053	GRN	77/03/08/233045
	GRN	77/02/24/133820	22B165/048	GRN	77/02/28/022945		IR2	77/02/25/221652			77/03/08/233125
	RED	77/02/24/134251	22B166/048	IR1	77/02/28/023517		IR1	77/02/25/221920	21B226/053	GRN	77/03/08/233554
22B135/046	IR3	77/02/24/134703	22B167/048	IR3	77/02/28/024003	22B197/051	BLU	77/02/25/222217			77/03/08/233625
	IR2	77/02/24/135026	22B168/048	SURV	77/02/28/024453		GRN	77/02/25/222440	21B227/053	BLU	77/03/08/233951
	IR1	77/02/24/135344	22B169/048	BLU	77/02/28/025046		RED	77/02/25/222725		GRN	77/03/08/234243
22B136/046	SURV	77/02/24/135652	22B170/048	RED	77/02/28/025544	21B198/051	BB2	77/02/25/223131		RED	77/03/08/234804
22B137/046	SURV	77/02/28/001904	22B171/048	IR2	77/02/28/025955	22B199/051	BB2	77/02/25/223403	21B228/053	IR3	77/03/08/235040
21B138/047	BB2	77/02/28/002414	22B172/048	GRN	77/02/28/030430	21B200/051	BB2	77/02/25/223734		IR2	77/03/08/235302
22B139/047	BB2	77/02/28/002751	22B173/048	IR1	77/02/28/031143	21B201/051	BB2	77/02/25/224131		IR1	77/03/08/235557
21B140/047	RED	77/02/28/003419	22B174/048	IR3	77/02/28/031621	21B202/051	SURV	77/02/25/224749	21B229/053	SURV	77/03/08/235841
		77/02/28/003515	22B175/048	SURV	77/02/28/032447	21B203/051	BB2	77/02/25/225046	22B230/054	BB4	77/02/26/024821
21B141/047	RED	77/02/28/003910	22B176/048	BLU	77/02/28/033103	21B204/051	BB2	77/02/25/225428	22B231/054	BB4	77/02/26/025201
		77/02/28/003956	22B177/048	RED	77/02/28/033441	22B205/051	BB2	77/02/25/225717			77/02/26/025252
22B142/047	BLU	77/02/28/004514	22B178/048	IR2	77/02/28/033807	22B206/051	IR3	77/02/25/230053	22B232/054	SURV	77/02/26/025844
	GRN	77/02/28/004911	22B179/048	CAL	77/02/28/034250		IR2	77/02/25/230403	22B233/054	BLU	77/02/26/030401
	RED	77/02/28/005544	22B180/049	SURV	77/02/23/235222		IR1	77/02/25/230731		GRN	77/02/26/030808
22B143/047	IR3	77/02/28/010201	22B181/049	BLU	77/02/23/235628	22B207/051	BLU	77/02/25/231021		RED	77/02/26/031302
	IR2	77/02/28/010545		GRN	77/02/24/000443		GRN	77/02/25/231401	22B234/054	IR3	77/02/26/031848
	IR1	77/02/28/011028		RED	77/02/24/001045		RED	77/02/25/231703		IR2	77/02/26/032432
22B144/047	SURV	77/02/28/011454	22B182/049	IR3	77/02/24/001639	22B208/051	CAL	77/02/28/034318		IR1	77/02/26/032858
22B145/047	CAL	77/02/28/011807		IR2	77/02/24/002215	22B209/051	GRN	77/02/28/034701	21B235/054	RED	77/02/26/033602
22B146/047	BB2	77/02/28/012326		IR1	77/02/24/002809			77/02/28/034741	21B236/054	RED	77/02/26/034135
22B147/047	SURV	77/02/28/012650	21B183/049	GRN	77/02/24/003427	21B210/051	GRN	77/02/28/035120			77/02/26/034303
21B148/048	BB2	77/02/23/234418		77/02/24/003547				77/02/28/035152	21B238/054	BLU	77/02/26/034754
22B149/048	BB2	77/02/23/234924	21B184/049	GRN	77/02/24/004344			77/02/28/035231		GRN	77/02/26/035342
22B151/048	SURV	77/02/23/235529		77/02/24/004528				77/02/28/035535		RED	77/02/26/035851
22B152/048	BLU	77/02/24/000132	22B185/049	BLU	77/02/24/005202	22B211/051	BB4	77/02/28/035608	21B239/054	IR3	77/02/26/040303
	GRN	77/02/24/000745		GRN	77/02/24/005756	22B212/051	BB1	77/02/28/035951		IR2	77/02/26/040841
	RED	77/02/24/001337		RED	77/02/24/010352	21B213/051	BB4	77/02/28/040403		IR1	77/02/26/041341
22B153/048	IR3	77/02/24/001936	22B186/049	IR3	77/02/24/011024	21B214/051	BB2	77/02/28/040920	21B240/054	BLU	77/02/28/040912
	IR2	77/02/24/002515		IR2	77/02/24/011543	22B215/051	BB1	77/02/28/041446		GRN	77/02/28/041446
	IR1	77/02/24/003111		IR1	77/02/24/012038			77/02/28/041523		RED	77/02/28/041831
21B154/048	BLU	77/02/24/003958	22B187/049	SURV	77/02/28/022325			77/02/28/041557	21B241/054	IR3	77/02/28/042213
		77/02/24/004036	22B188/049	CAL	77/02/28/022837			77/02/28/041634		IR2	77/02/28/042743
21B155/048	BLU	77/02/24/004648	22B190/050	SURV	77/02/28/023327	21B216/052	BLU	77/03/08/222702		IR1	77/02/28/043214
		77/02/24/004812	22B191/050	BLU	77/02/28/023858			77/03/08/222740	21B242/054	SUN	77/02/28/043711
22B156/048	BLU	77/02/24/005457		GRN	77/02/28/024424	21B217/052	BLU	77/03/08/223353	21B243/054	BLU	77/02/28/044154
	GRN	77/02/24/010059		RED	77/02/28/024946			77/03/08/223432		GRN	77/02/28/044630
	RED	77/02/24/010703	22B192/050	IR3	77/02/28/025431	21B219/052	SURV	77/03/08/223944		RED	77/02/28/045233
22B157/048	IR3	77/02/24/011315		IR2	77/02/28/025903	21B220/052	BLU	77/03/08/224238	21B244/054	IR3	77/02/28/050528
	IR2	77/02/24/011737		IR1	77/02/28/030319		GRN	77/03/08/224722		IR2	77/02/28/050948
	IR1	77/02/24/012150	22B193/050	RED	77/02/28/031240		RED	77/03/08/225256		IR1	77/02/28/051351
22B158/048	SURV	77/02/24/012745			77/02/28/031401	21B221/052	IR3	77/03/08/225725	21B245/054	BLU	77/02/28/051739
22B159/048	CAL	77/02/24/013030	21B194/050	RED	77/02/28/032330		IR2	77/03/08/230128		GRN	77/02/28/052237

VL-2
IPL PICTURE IDENTIFIERS
(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID	CELABEL	DIODE	IPL PIC ID
21B245/054	RED.	77/02/28/052847	22C010/055	IR3	77/02/26/032846	21C043/057	SURV	77/02/26/042723	21C070/061	RED	77/03/02/183204
21B246/054	IR3	77/02/28/053355		IR2	77/02/26/033425	21C044/057	BB2	77/02/26/043300			77/03/02/183259
	IR2	77/02/28/053939		IR1	77/02/26/033823	22C045/057	BB2	77/02/26/043627			
	IR1	77/02/28/054455	21C011/055	GRN	77/02/26/034437	21C046/057	BLU	77/02/26/044024			
21B247/054	SUN	77/02/28/054722	21C012/055	GRN	77/02/26/034941	21C047/057	BLU	77/03/02/000000			
21B248/054	BLU	77/02/25/010317			77/02/26/035034			77/03/02/000035			
	GRN	77/02/25/010811	21C013/055	BLU	77/02/26/035447	21C048/057	BLU	77/03/02/000458			
	RED	77/02/25/011207		GRN	77/02/26/035940		GRN	77/03/02/000851			
21B249/054	IR3	77/02/25/011628		RED	77/02/26/040451		RED	77/03/02/001204			
	IR2	77/02/25/012108	21C014/055	IR3	77/02/26/040837	21C049/057	IR3	77/03/02/001541			
	IR1	77/02/25/012544		IR2	77/02/26/041338		IR2	77/03/02/001852			
21B250/054	BLU	77/02/25/013012		IR1	77/02/26/041841		IR1	77/03/02/002138			
	GRN	77/02/25/013407	21C015/055	SURV	77/02/26/042325	21C050/057	SURV	77/03/02/002412			
	RED	77/02/25/013824	22C016/056	SURV	77/02/26/042941	22C051/058	SURV	77/02/26/030132			
21B251/054	IR3	77/02/25/014111	22C017/056	BLU	77/02/26/043358	21C052/058	SURV	77/02/26/030836			
	IR2	77/02/25/014720		GRN	77/02/26/043758	22C053/058	BB2	77/02/26/031451			
	IR1	77/02/25/015049		RED	77/02/26/044129	21C054/058	BLU	77/02/26/032148			
21B252/054	BLU	77/02/25/015449	22C018/056	IR3	77/03/01/231808	21C055/058	BLU	77/02/26/032808			
	GRN	77/02/25/015752		IR2	77/03/01/232101			77/02/26/032853			
	RED	77/02/25/020057		IR1	77/03/01/232354	21C056/058	BLU	77/02/26/033419			
21B253/054	BLU	77/02/25/020408	21C019/056	RED	77/03/01/232655		GRN	77/02/26/034127			
	GRN	77/02/25/020740	21C020/056	RED	77/03/01/233018		RED	77/02/26/034740			
	RED	77/02/25/021023			77/03/01/233045	21C057/058	IR3	77/02/26/035431			
21B254/054	IR3	77/02/28/042743	22C021/056	BB3	77/03/01/233315		IR2	77/02/26/040334			
	IR2	77/02/28/043216	22C022/056	BB1	77/03/01/233558		IR1	77/02/26/041005			
	IR1	77/02/28/043701	22C023/056	BB2	77/03/01/233908	21C058/058	SURV	77/02/26/041609			
21B255/054	IR3	77/02/28/044150	22C024/056	BB3	77/03/01/234211	21C059/059	GRN	77/02/26/042109			
	IR2	77/02/28/044623	22C025/056	BB1	77/03/01/234652	21C060/059	GRN	77/02/26/042556			
	IR1	77/02/28/044957	22C026/056	BB1	77/03/01/235014			77/02/26/042708			
21C000/054	SUN	77/02/28/045432	21C027/056	BB1	77/03/01/235338	21C061/059	BLU	77/02/26/043303			
21C001/054	BLU	77/02/28/045836	21C028/056	BB1	77/03/01/235626			77/02/26/043357			
	GRN	77/02/28/050157	21C029/056	BB1	77/03/02/000011			77/02/26/043507			
	RED	77/02/28/050552	22C030/056	BB3	77/03/02/000343	21C062/059	GRN	77/03/02/174232			
21C002/054	IR3	77/02/28/051124	21C031/056	BB2	77/03/02/000724			77/03/02/174259			
	IR2	77/02/28/051621	22C032/056	BB2	77/03/02/001022			77/03/02/174324			
	IR1	77/02/28/052012	22C033/057	BB1	77/02/26/030015	21C063/059	RED	77/03/02/174623			
21C003/054	BLU	77/02/28/052421	22C034/057	BB1	77/02/26/030716			77/03/02/174654			
	GRN	77/02/28/052858	22C035/057	BB1	77/02/26/031334			77/03/02/174743			
	RED	77/02/28/053259	21C036/057	BB3	77/02/26/031900	21C064/060	RED	77/03/02/175132			
21C004/054	IR3	77/02/28/053720	22C037/057	BLU	77/02/26/032550	21C065/060	RED	77/03/02/175549			
	IR2	77/02/28/054147		GRN	77/02/26/033221			77/03/02/175629			
	IR1	77/02/28/054542		RED	77/02/26/033843	22C066/060	BLU	77/03/02/175953			
22C005/055	SUN	77/02/26/025619	22C038/057	IR3	77/02/26/034453		GRN	77/03/02/180555			
22C006/055	SUN	77/02/26/030044		IR2	77/02/26/035059		RED	77/03/02/181001			
22C007/055	SUN	77/02/26/030419		IR1	77/02/26/035727	22C067/060	IR3	77/03/02/181313			
22C008/055	SURV	77/02/26/030954	22C039/057	BB1	77/02/26/040453		IR2	77/03/02/181627			
22C009/055	BLU	77/02/26/031457	22C040/057	SURV	77/02/26/041142		IR1	77/03/02/182019			
	GRN	77/02/26/031846	21C041/057	BB2	77/02/26/041730	22C068/060	SURV	77/03/02/182406			
	RED	77/02/26/032327	22C042/057	BB2	77/02/26/042233	21C069/061	BB3	77/03/02/182748			

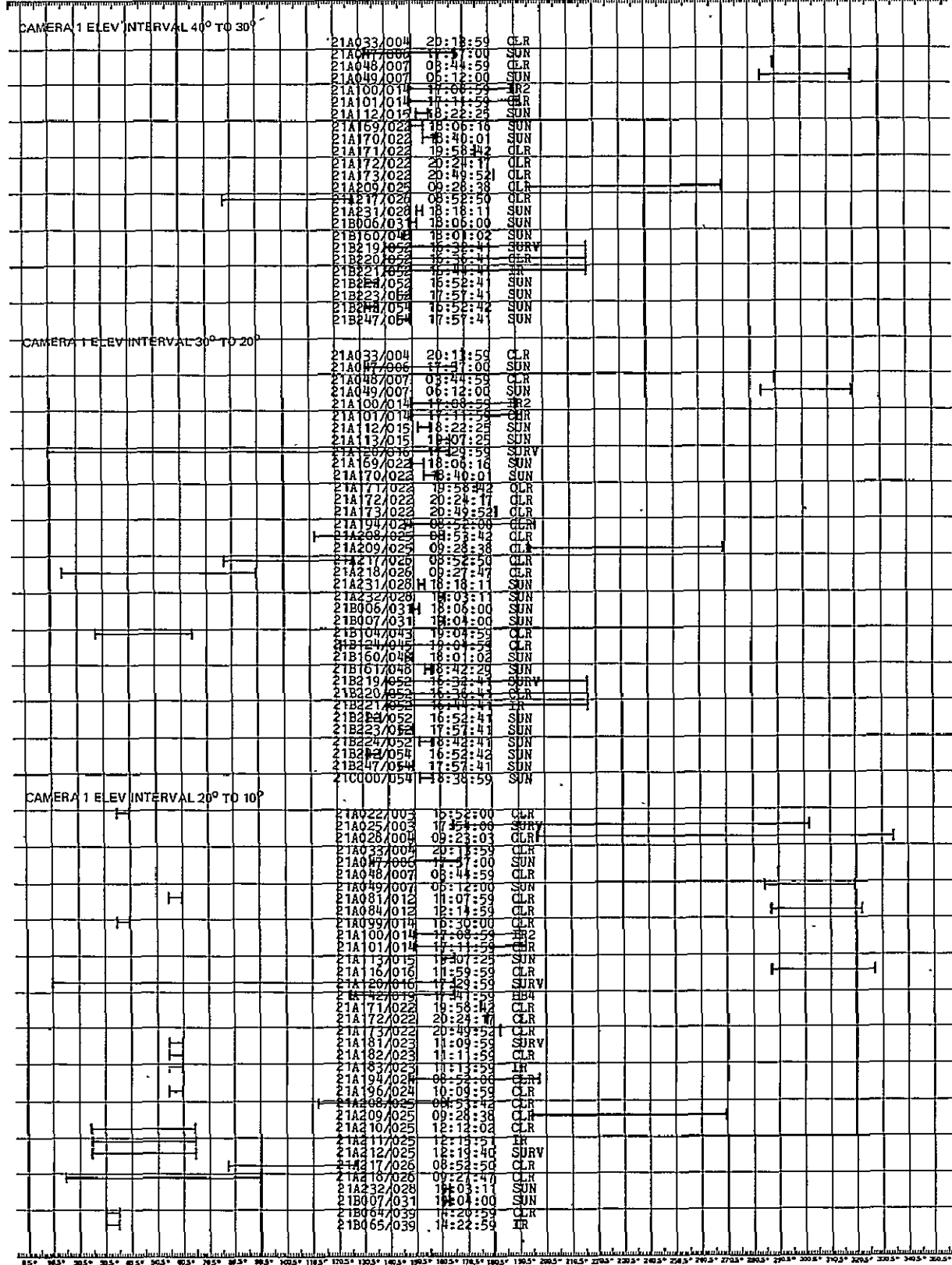
VL-2 ELEVATION COVERAGE CHARTS

VL-2 Elevation Coverage Charts

VL-2 CAMERA 1 ELEVATION COVERAGE CHART

CAMERA 1 GACCS AZIMUTH

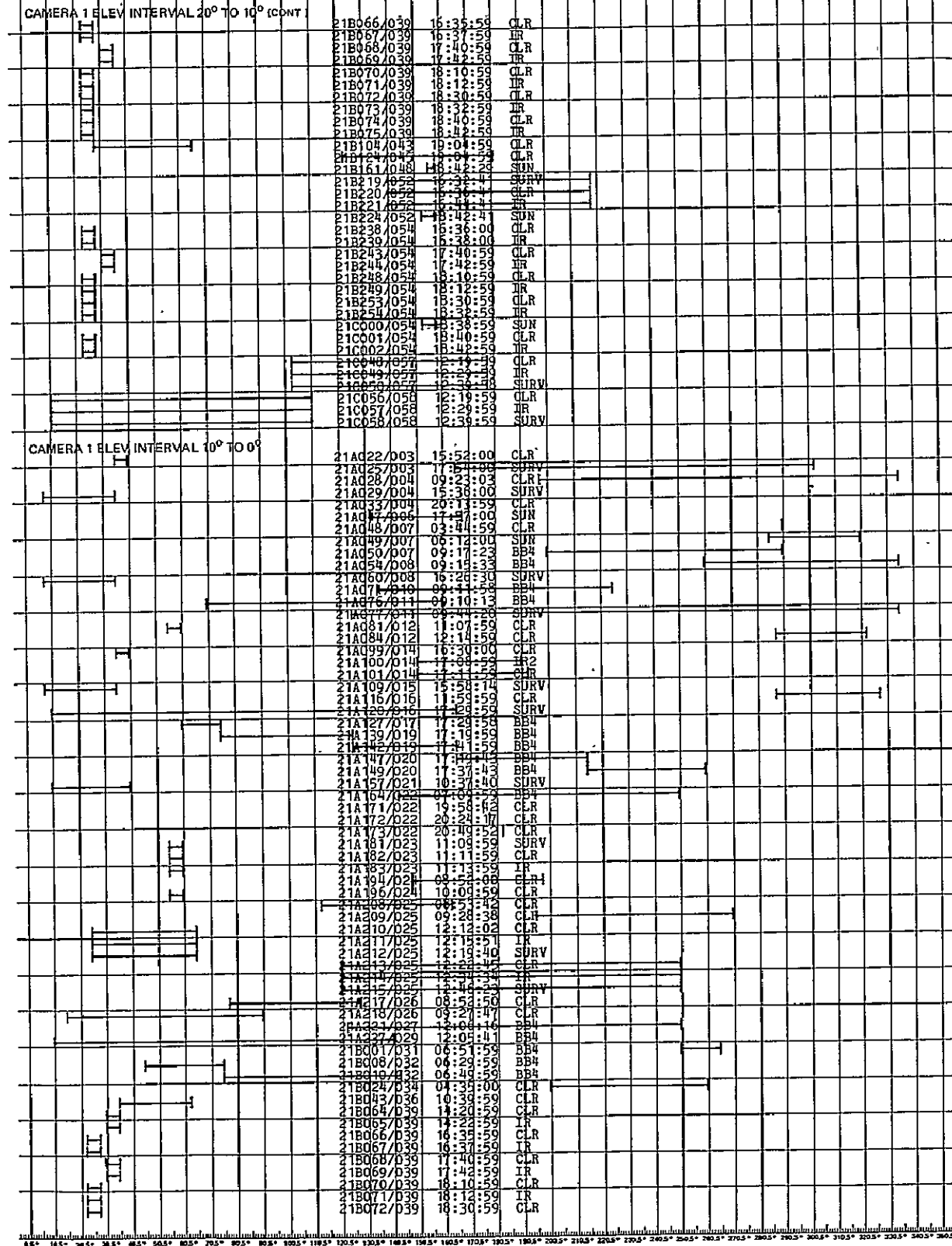
N



VL-2
CAMERA 1 ELEVATION COVERAGE CHART

CAMERA 1 CACCS AZIMUTH

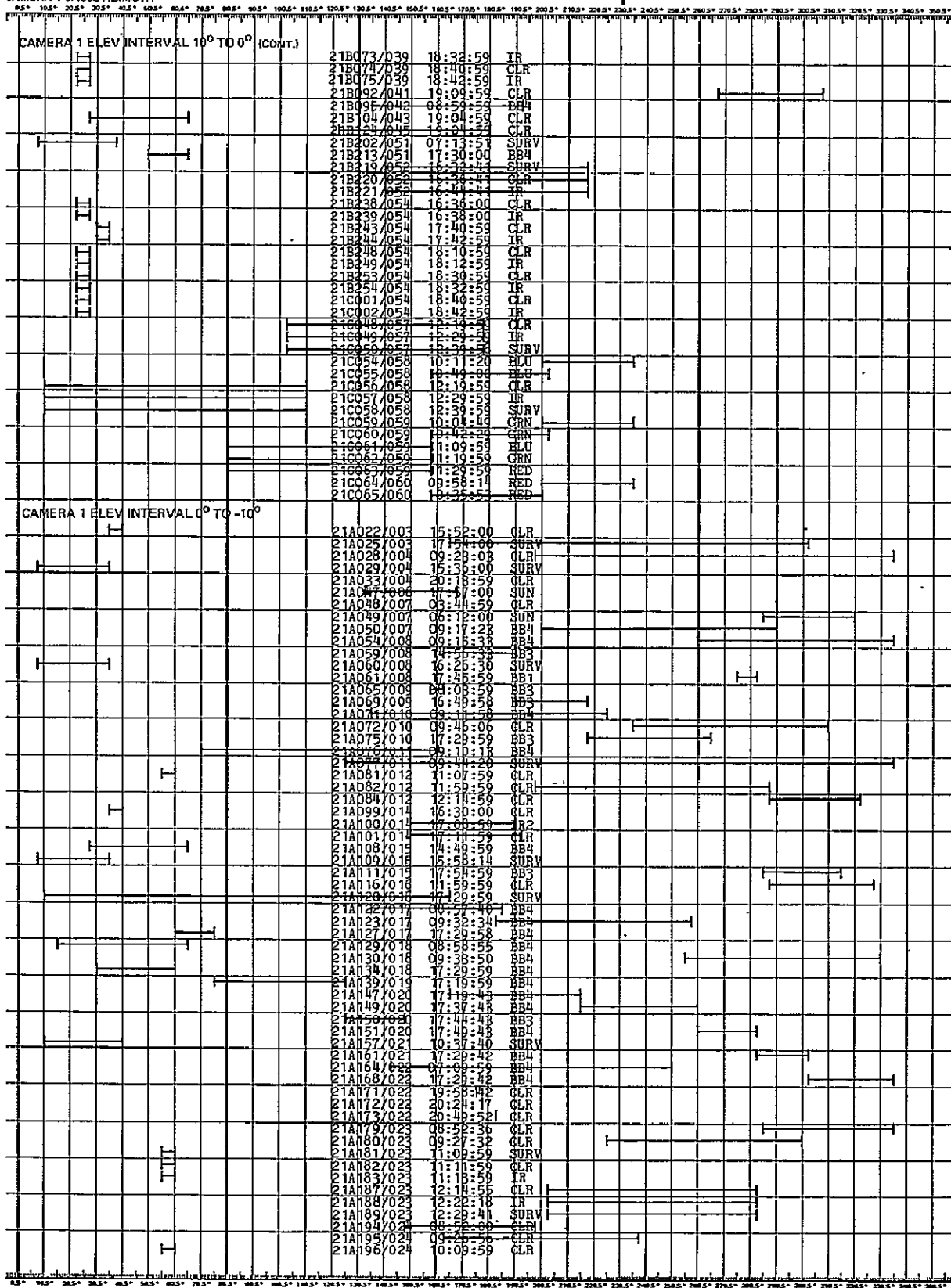
0.5° 10.5° 20.5° 30.5° 40.5° 50.5° 60.5° 70.5° 80.5° 90.5° 100.5° 110.5° 120.5° 130.5° 140.5° 150.5° 160.5° 170.5° 180.5° 190.5° 200.5° 210.5° 220.5° 230.5° 240.5° 250.5° 260.5° 270.5° 280.5° 290.5° 300.5° 310.5° 320.5° 330.5° 340.5° 350.5°



VL-2 CAMERA 1 ELEVATION COVERAGE CHART

CAMERA 1 CACS AZIMUTH

N

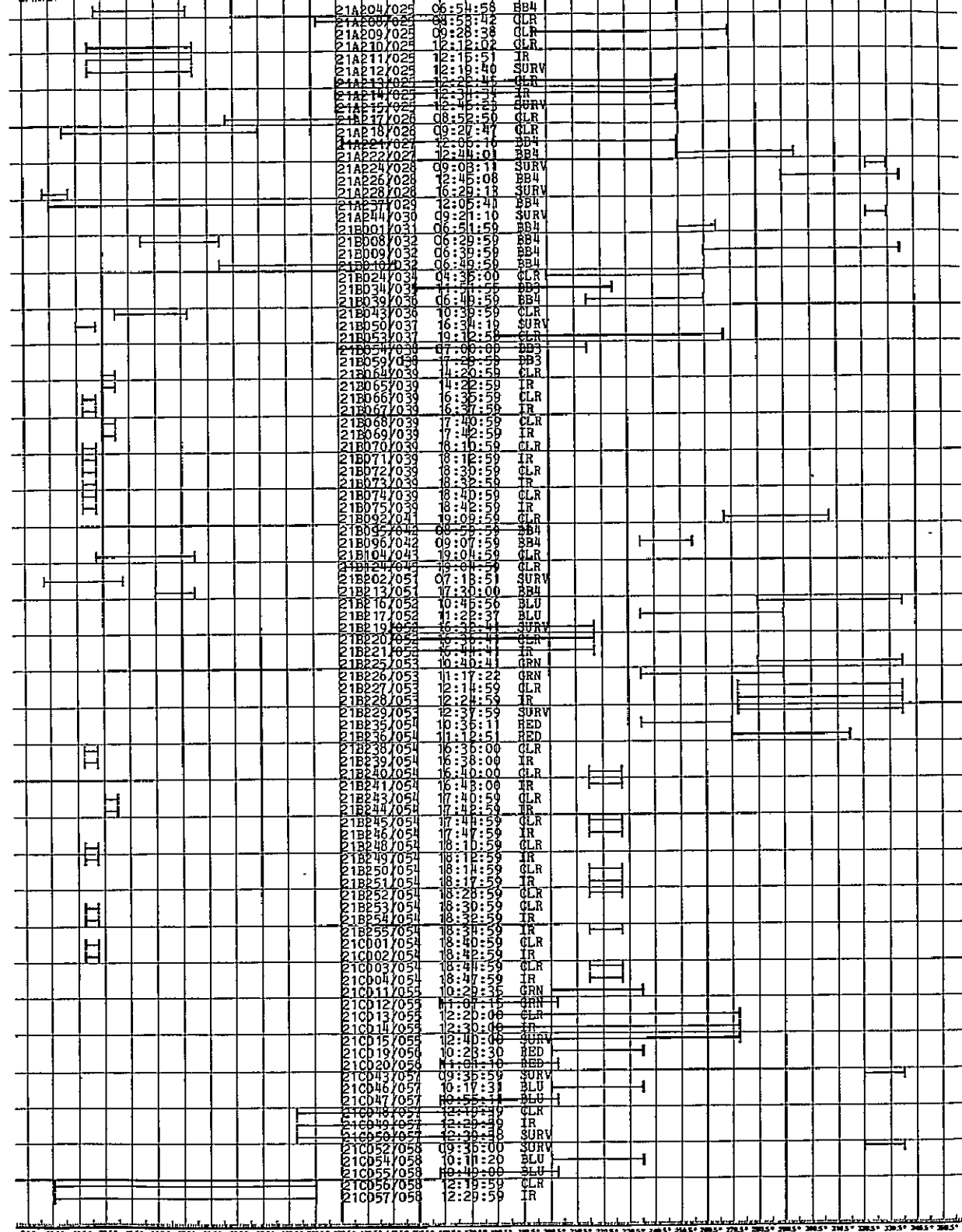


VI-2 CAMERA 1 ELEVATION COVERAGE CHART

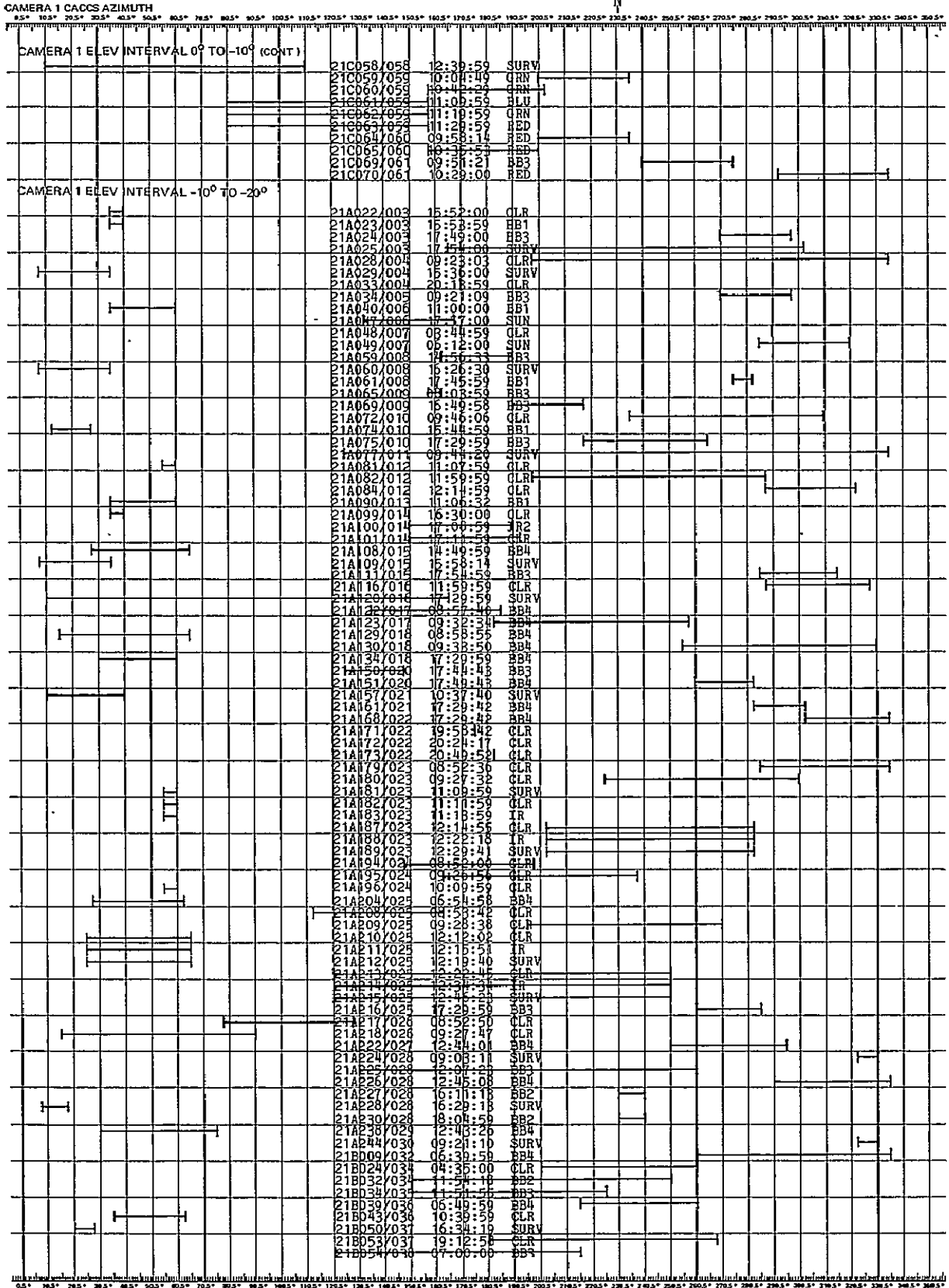
CAMERA 1 CACCS AZIMUTH

05° 10° 15° 20° 25° 30° 35° 40° 45° 50° 55° 60° 65° 70° 75° 80° 85° 90° 95° 100° 105° 110° 115° 120° 125° 130° 135° 140° 145° 150° 155° 160° 165° 170° 175° 180° 185° 190° 195° 200° 205° 210° 215° 220° 225° 230° 235° 240° 245° 250° 255° 260° 265° 270° 275° 280° 285° 290° 295° 300° 305° 310° 315° 320° 325° 330° 335° 340° 345° 350°

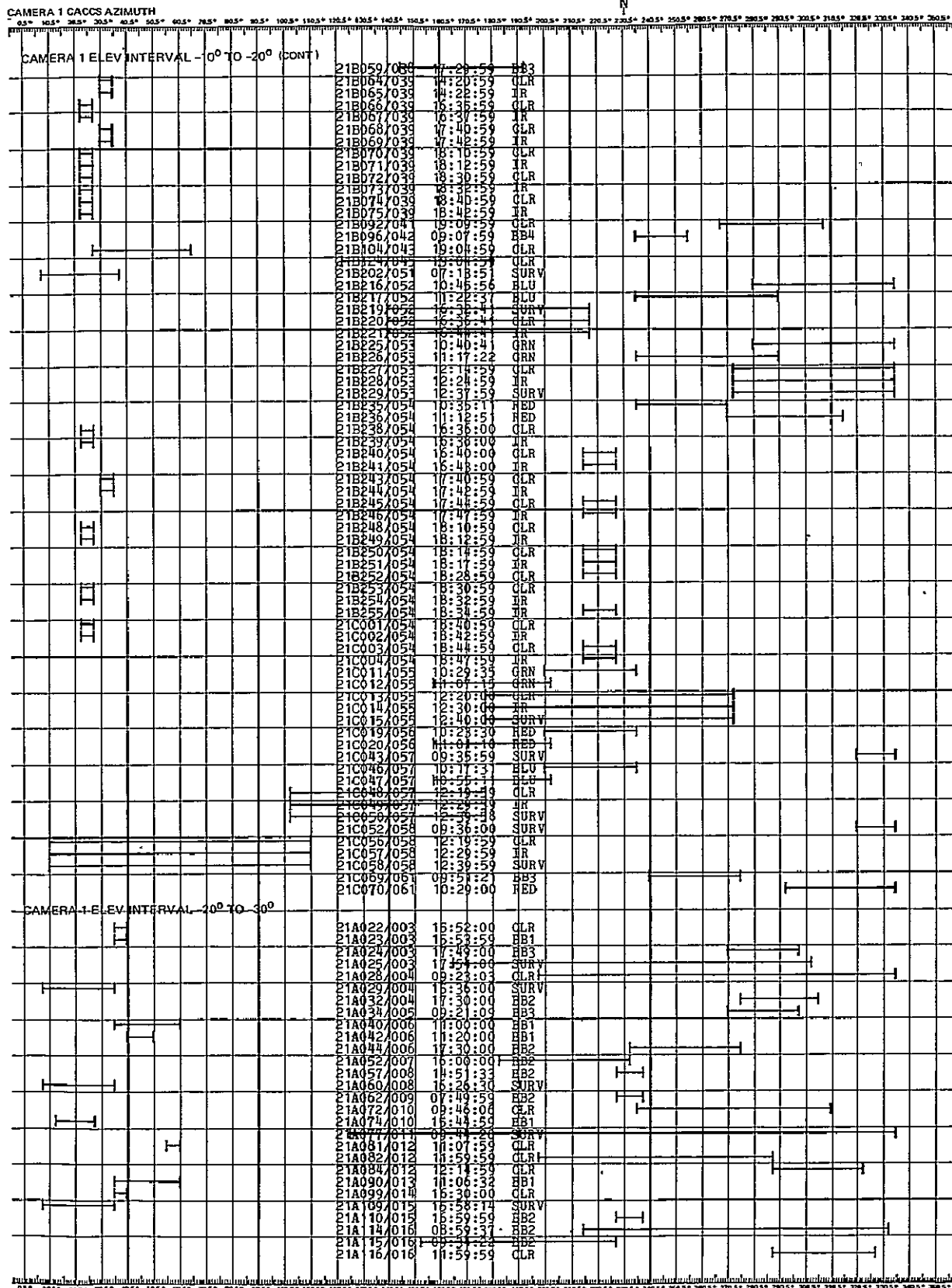
CAMERA 1 ELEV INTERVAL 0° TO -10° (CONT.)



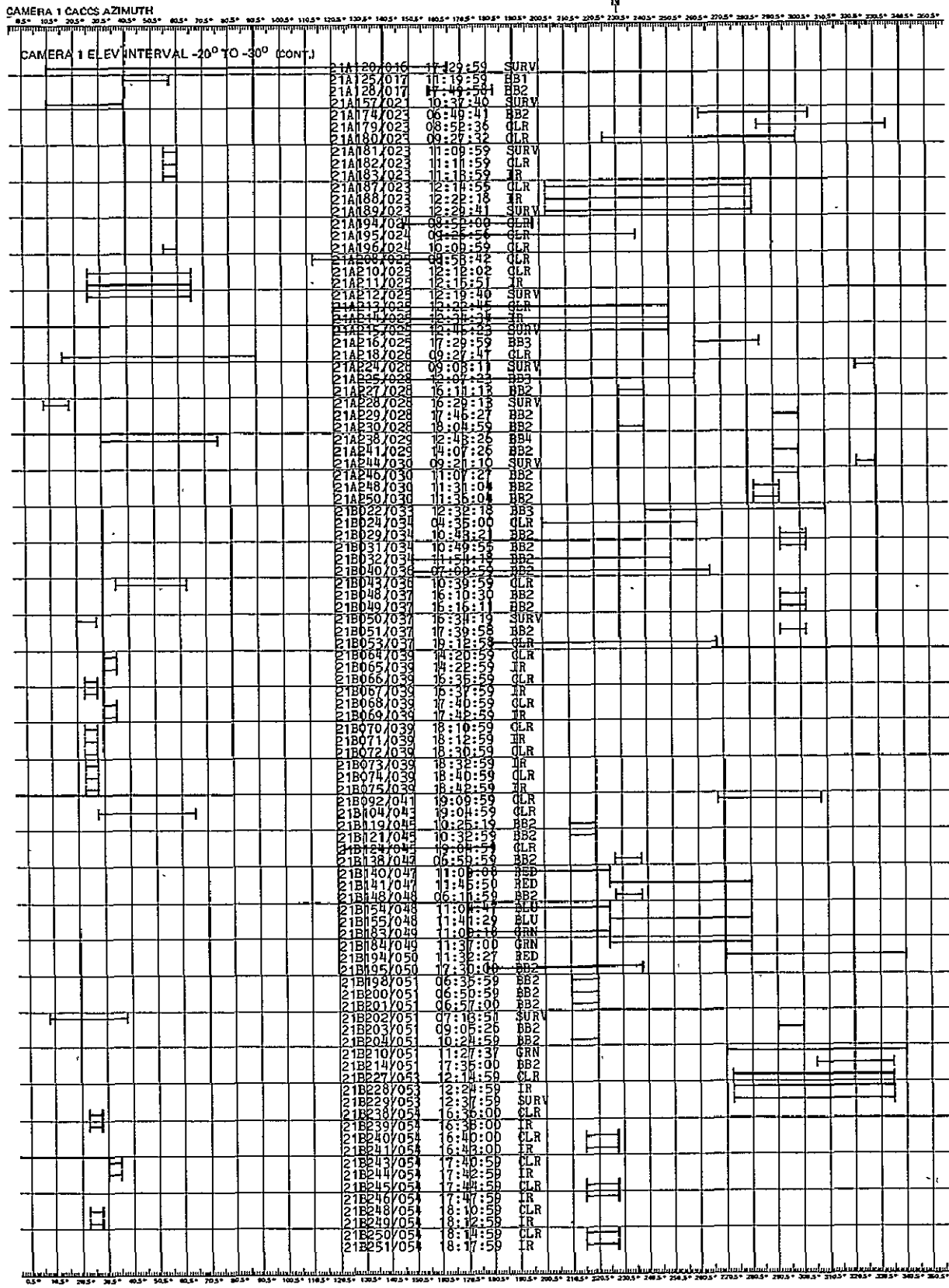
VL-2
CAMERA 1 ELEVATION COVERAGE CHART



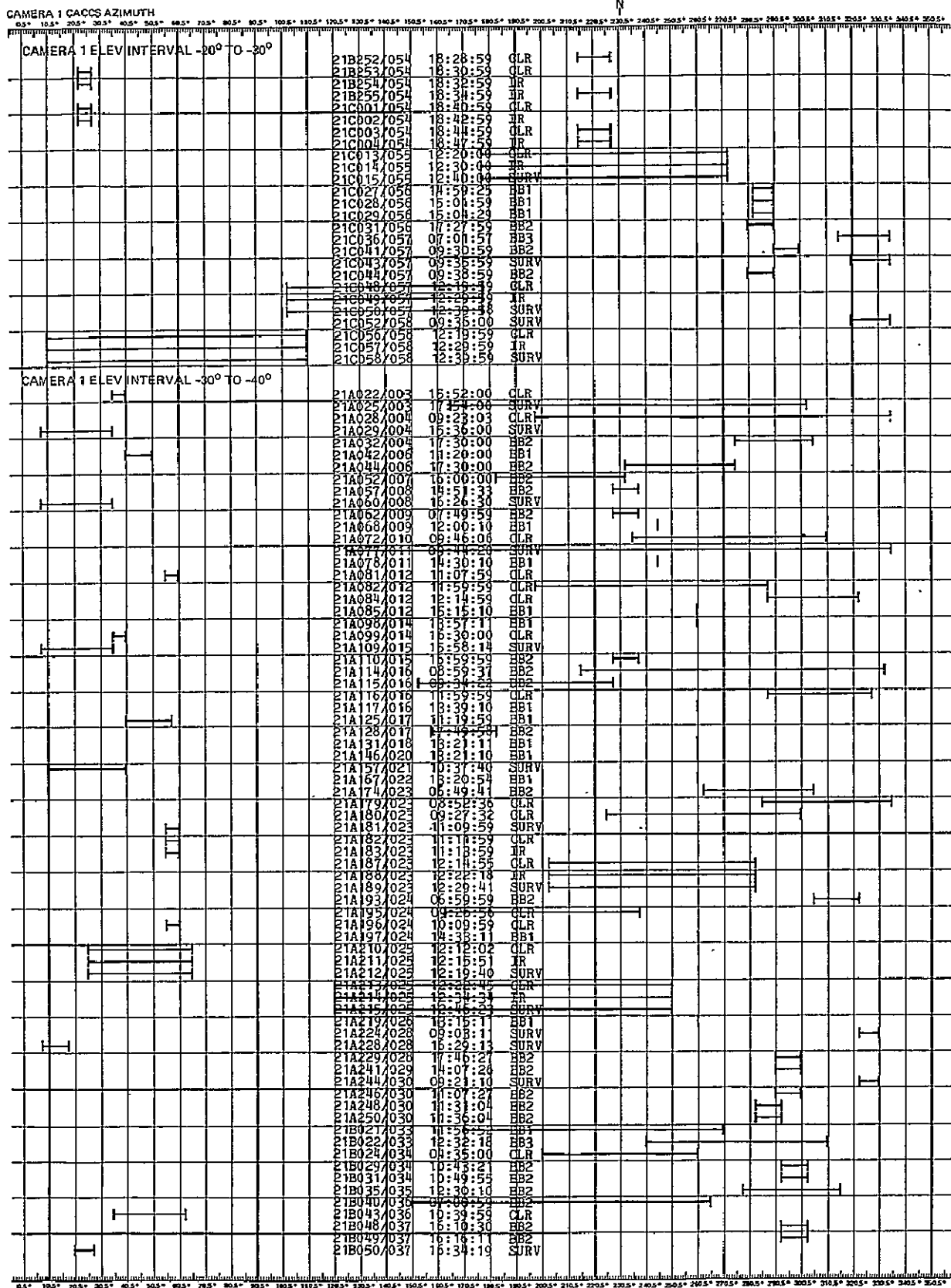
VL-2 CAMERA 1 ELEVATION COVERAGE CHART



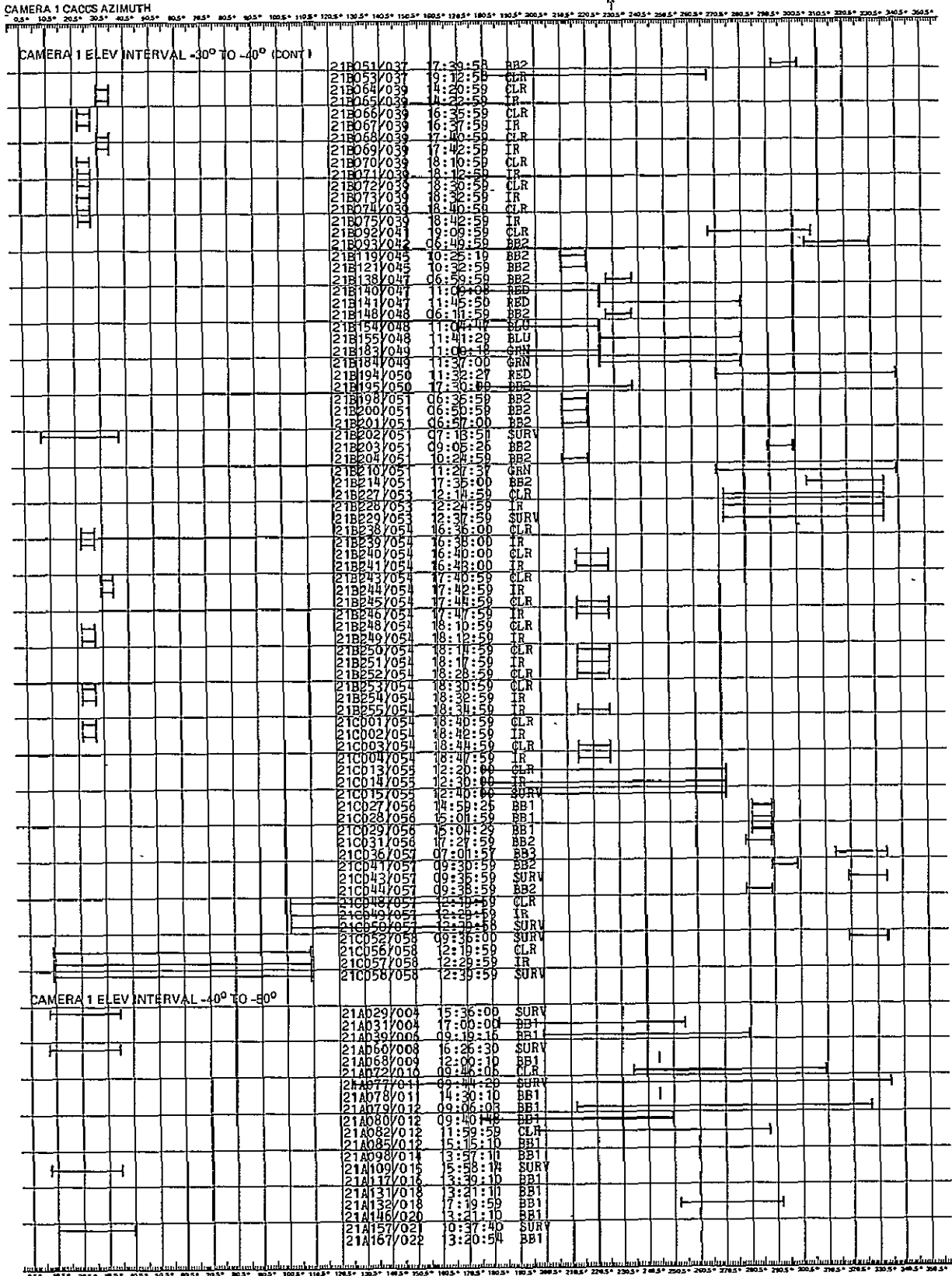
VL-2 CAMERA 1 ELEVATION COVERAGE CHART



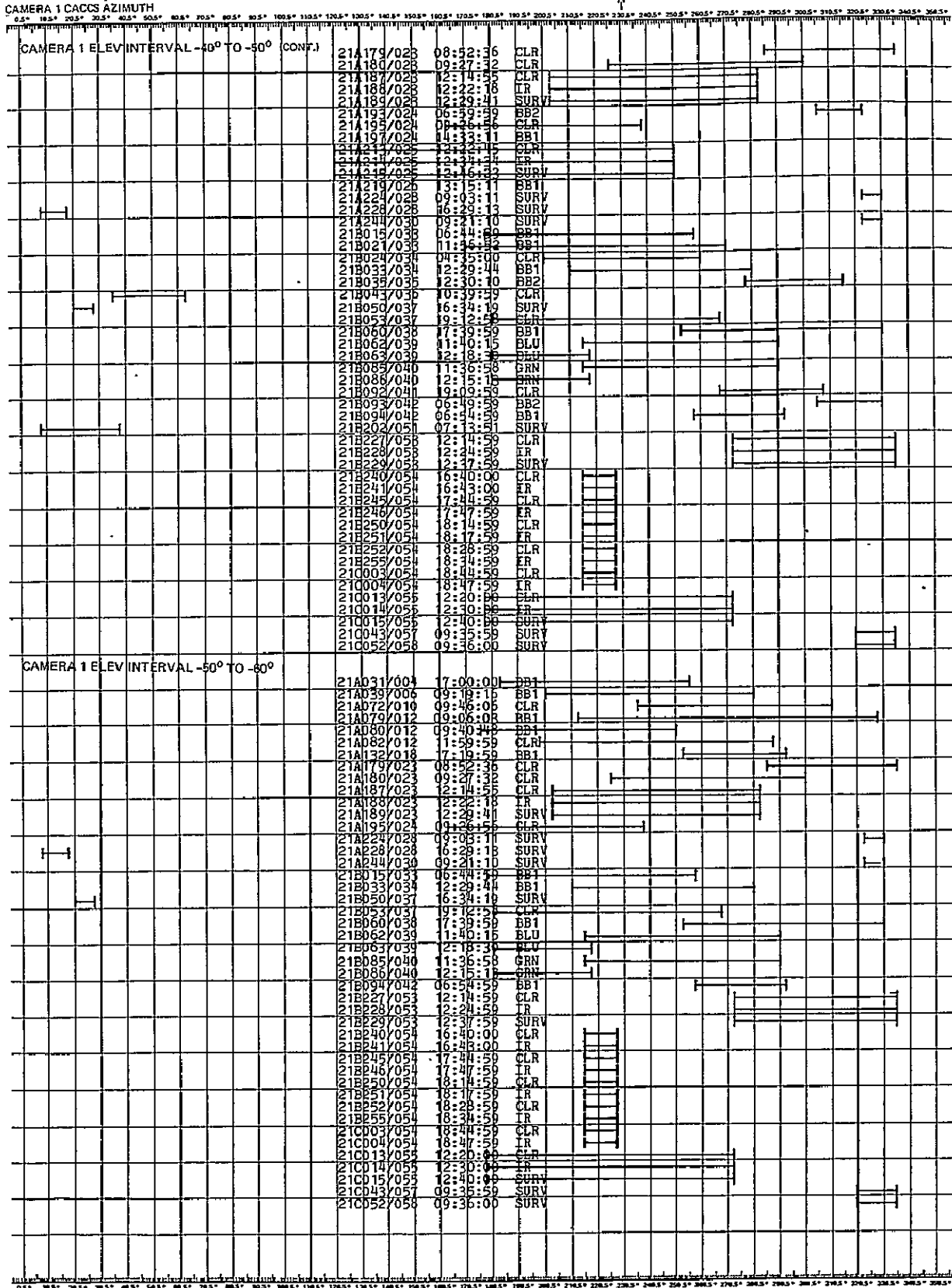
VL-2
CAMERA 1 ELEVATION COVERAGE CHART



VL-2
CAMERA 1 ELEVATION COVERAGE CHART

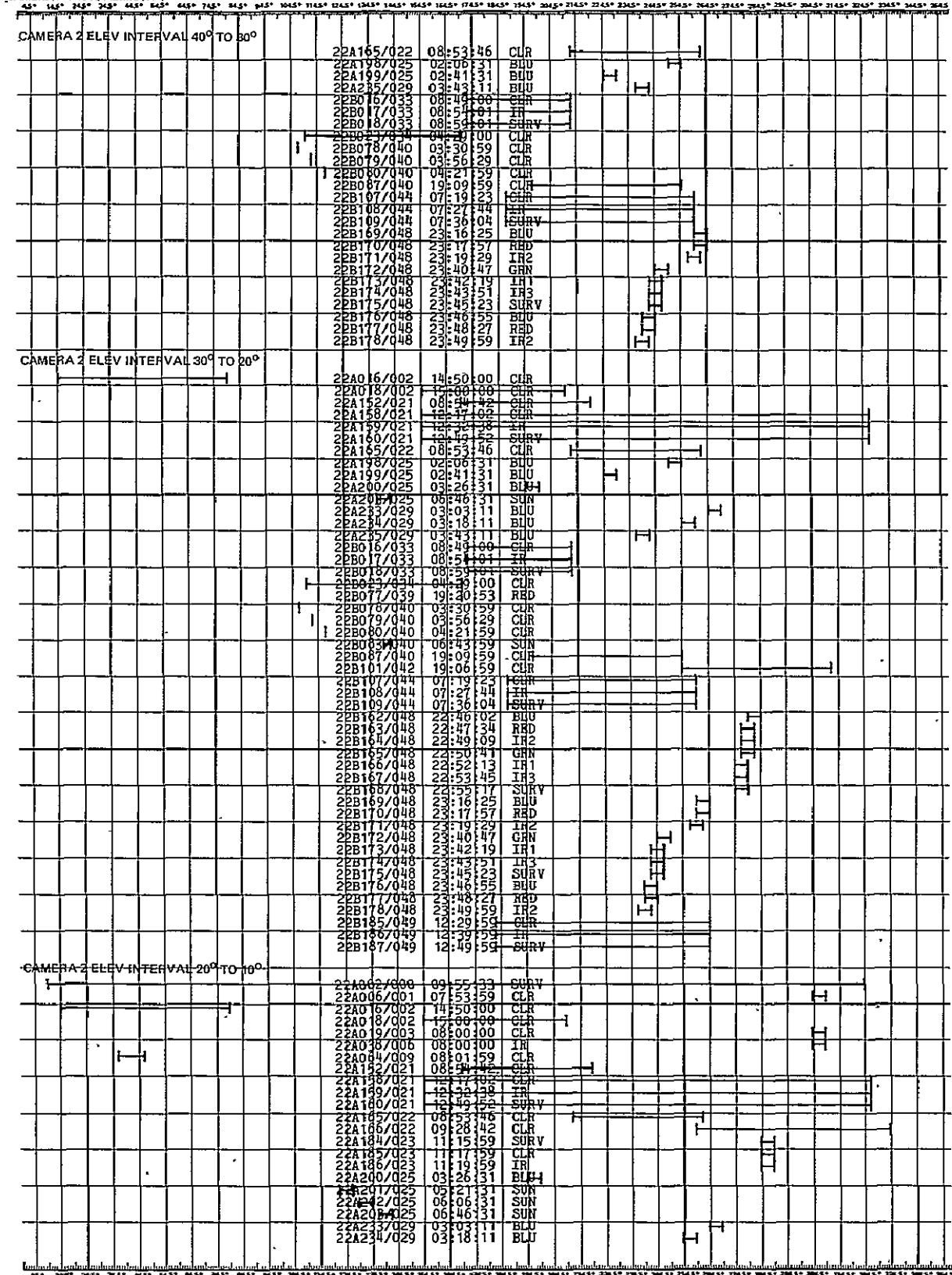


VL-2 CAMERA 1 ELEVATION COVERAGE CHART

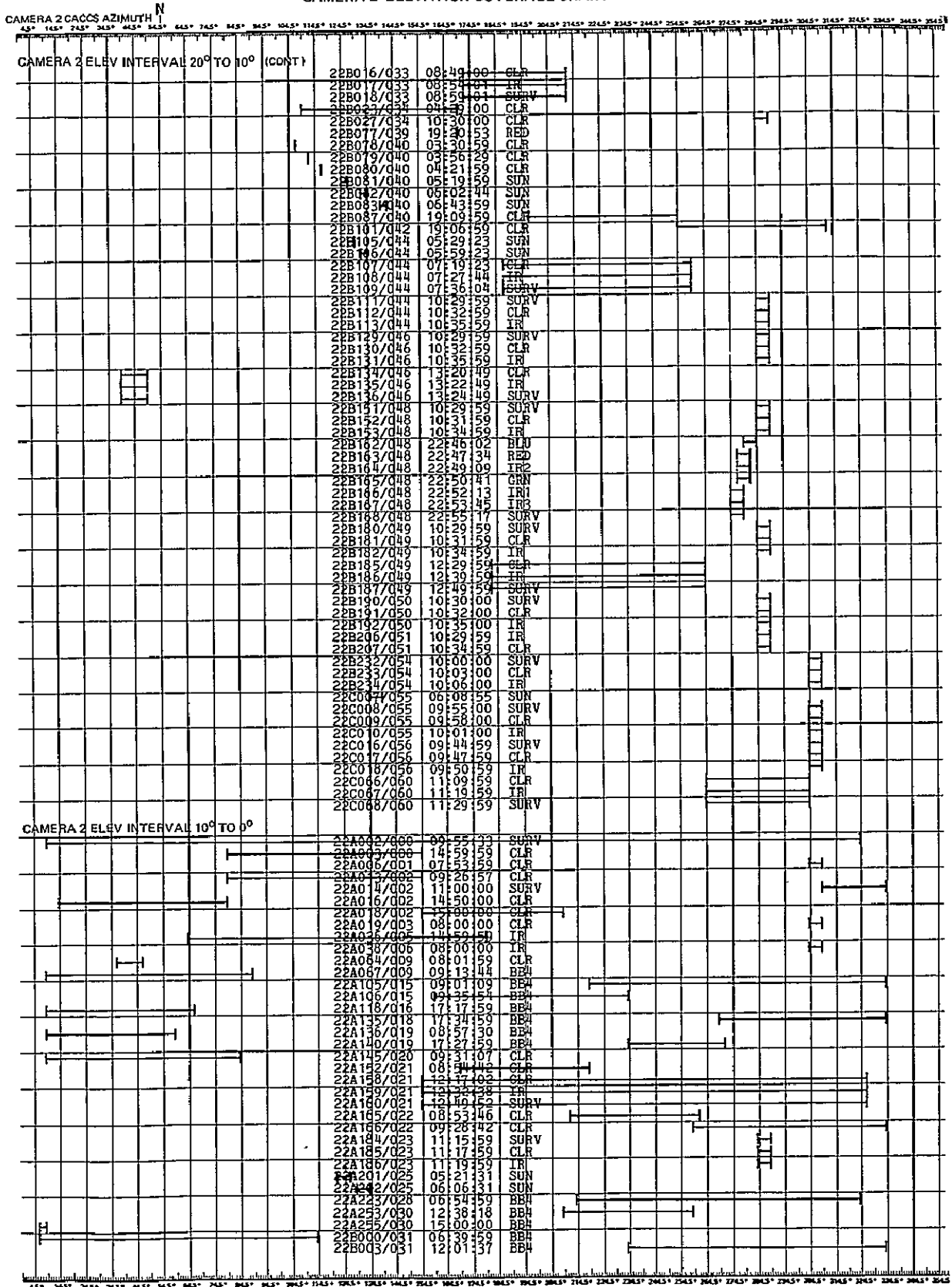


VL-2 CAMERA 2 ELEVATION COVERAGE CHART

CAMERA 2 CACCS AZIMUTH

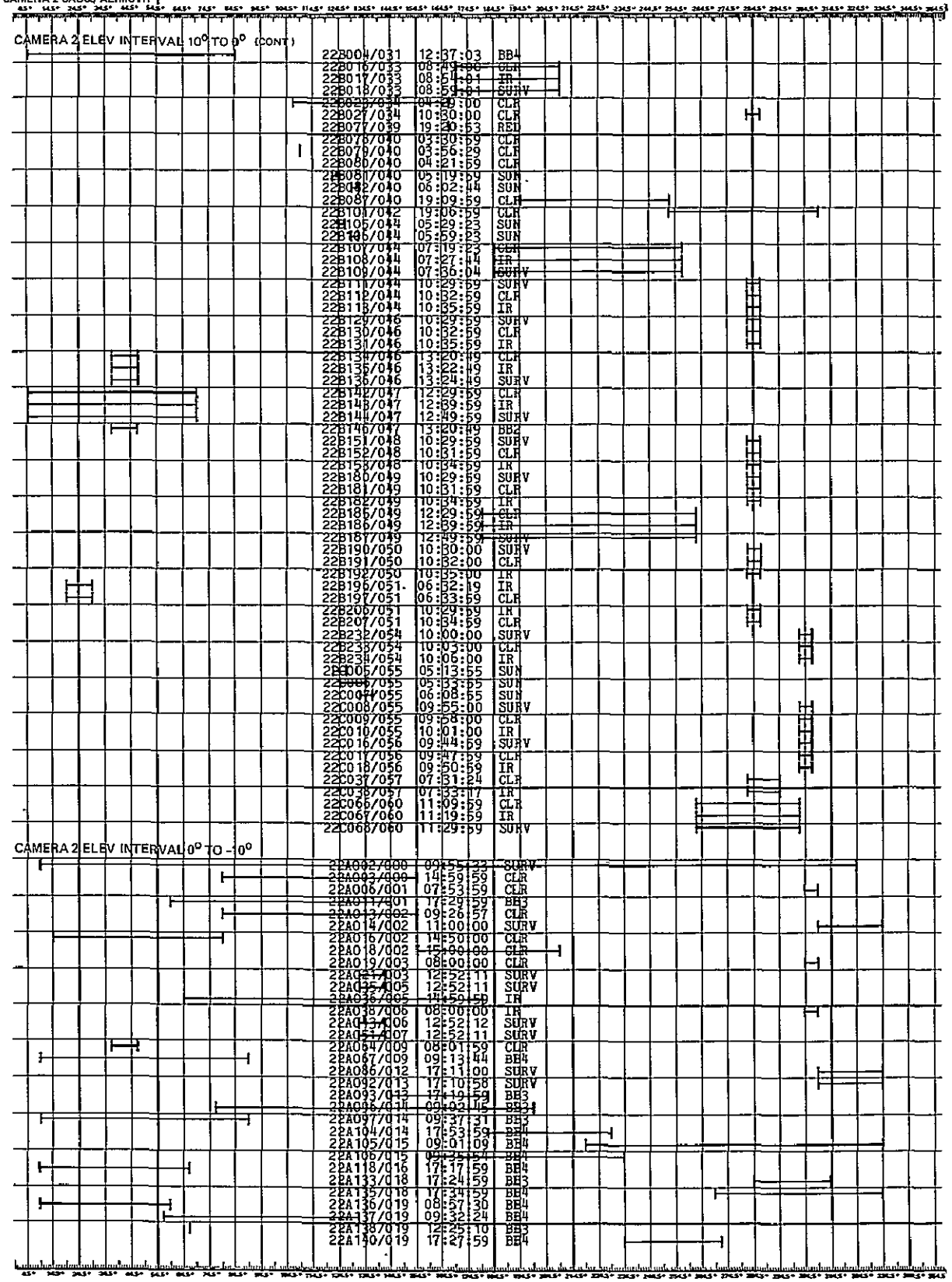


VL-2
CAMERA 2 ELEVATION COVERAGE CHART

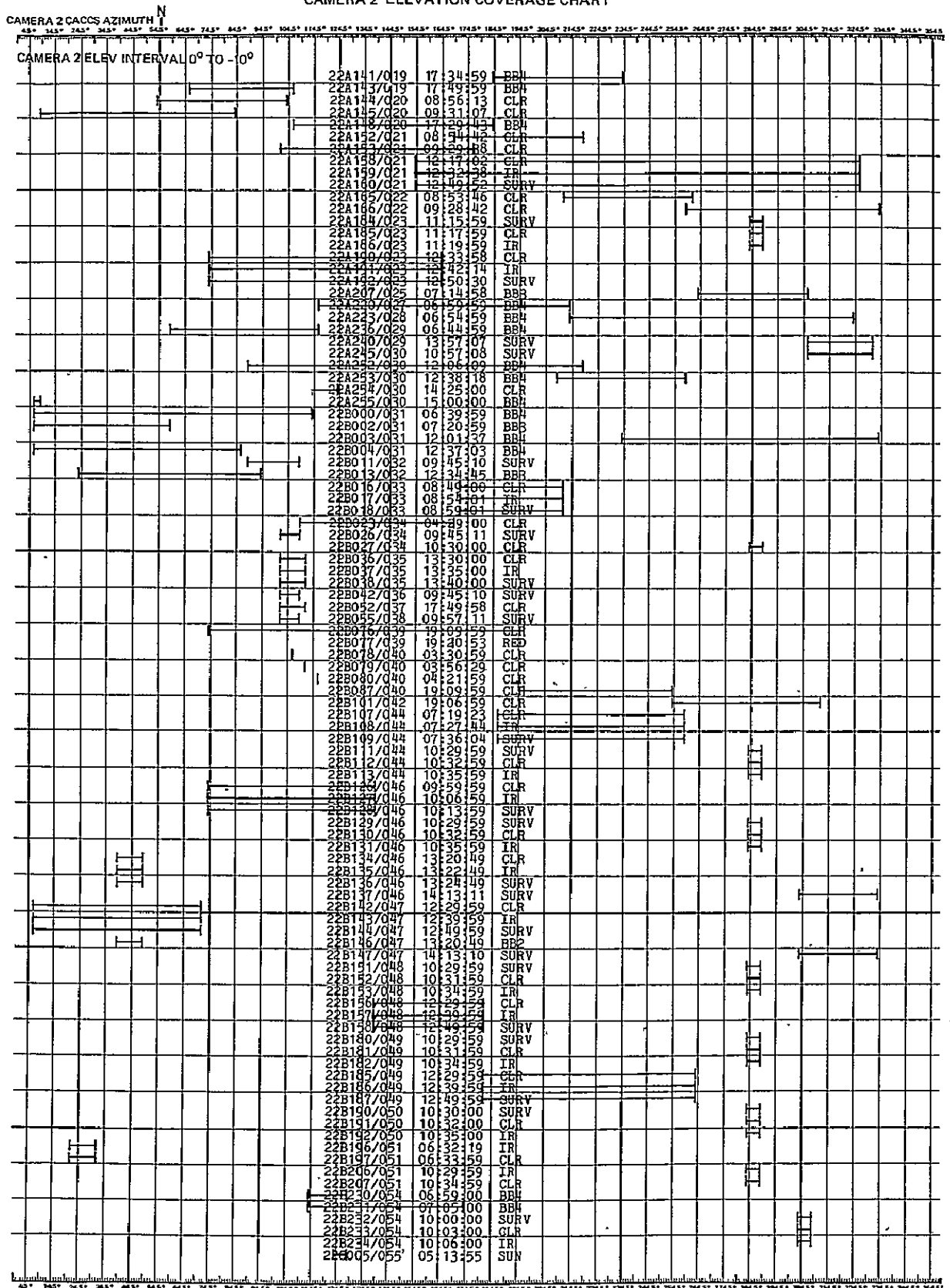


VL-2
CAMERA 2 ELEVATION COVERAGE CHART

CAMERA 2 CACCS AZIMUTH N

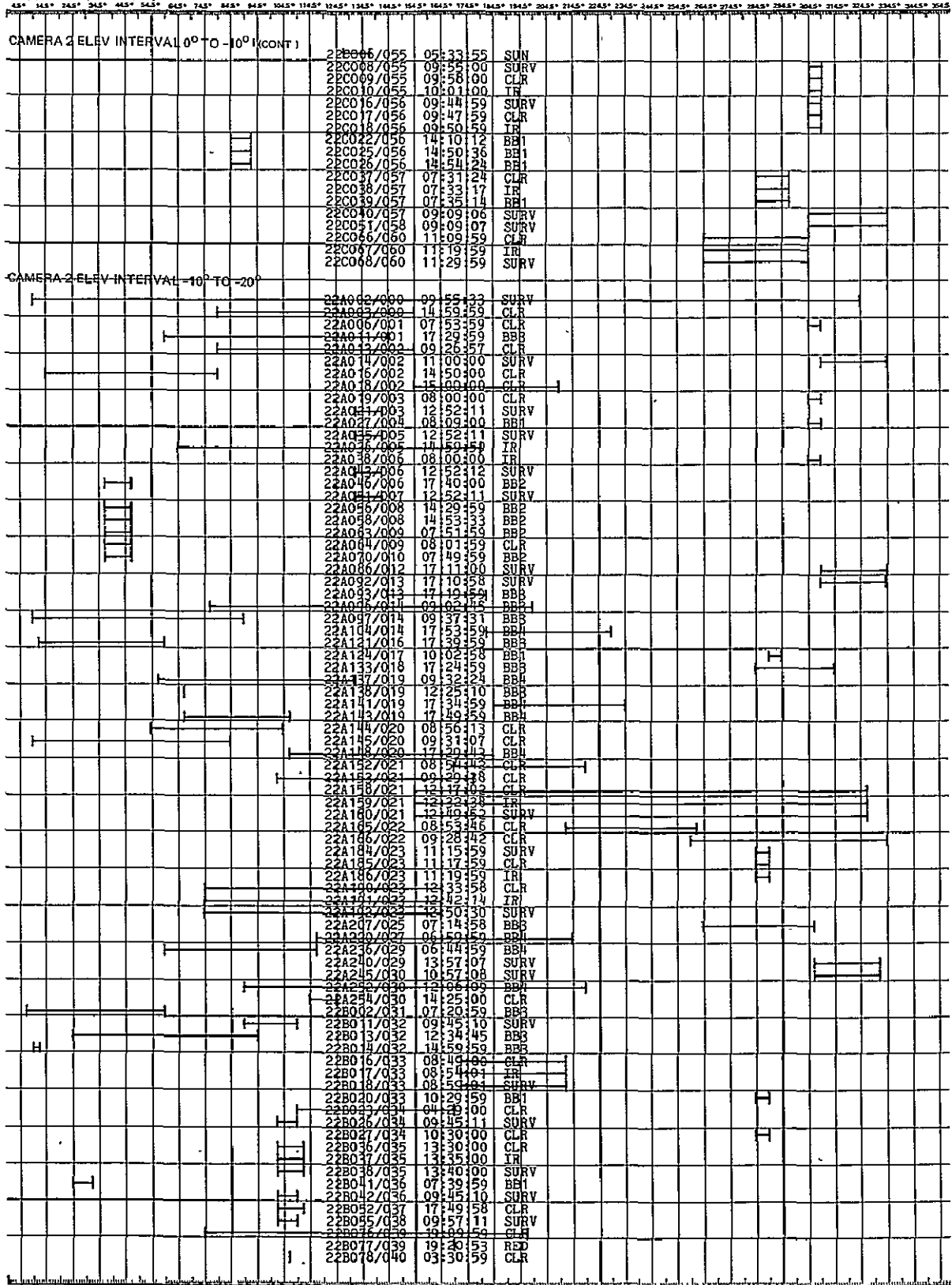


VL-2 CAMERA 2 ELEVATION COVERAGE CHART

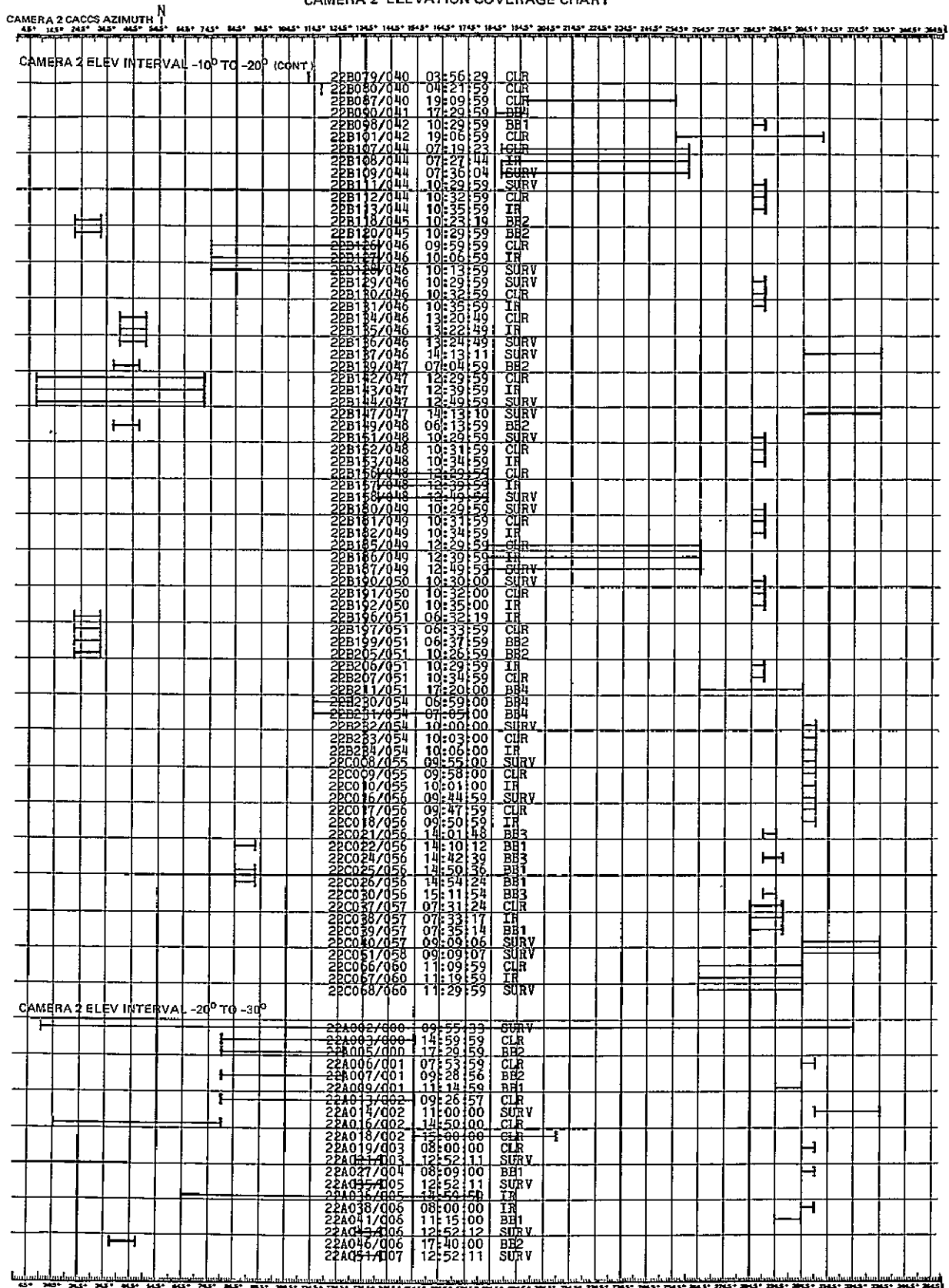


VL-2
CAMERA 2 ELEVATION COVERAGE CHART

CAMERA 2 CAMCS AZIMUTH N

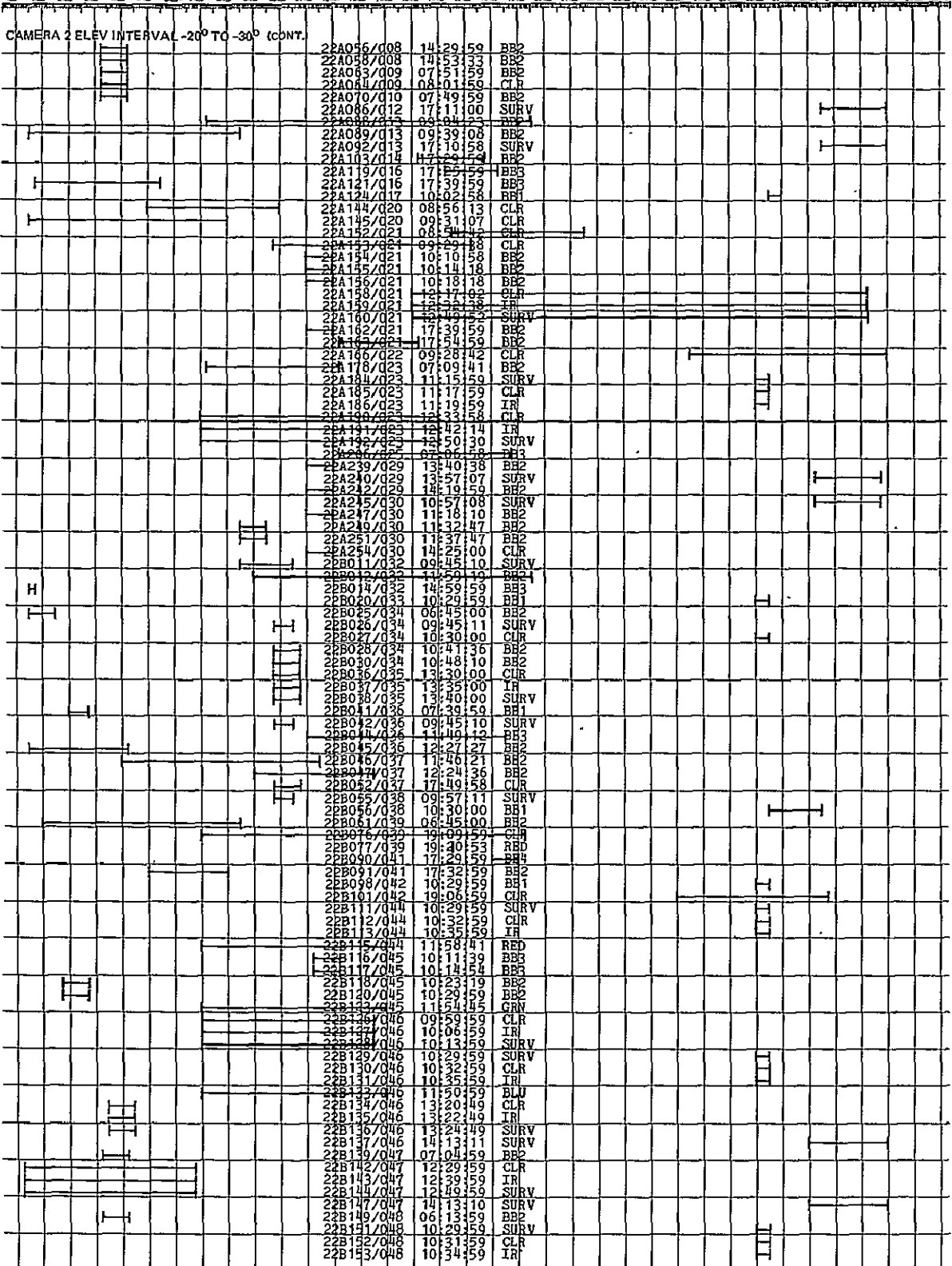


VL-2
CAMERA 2 ELEVATION COVERAGE CHART

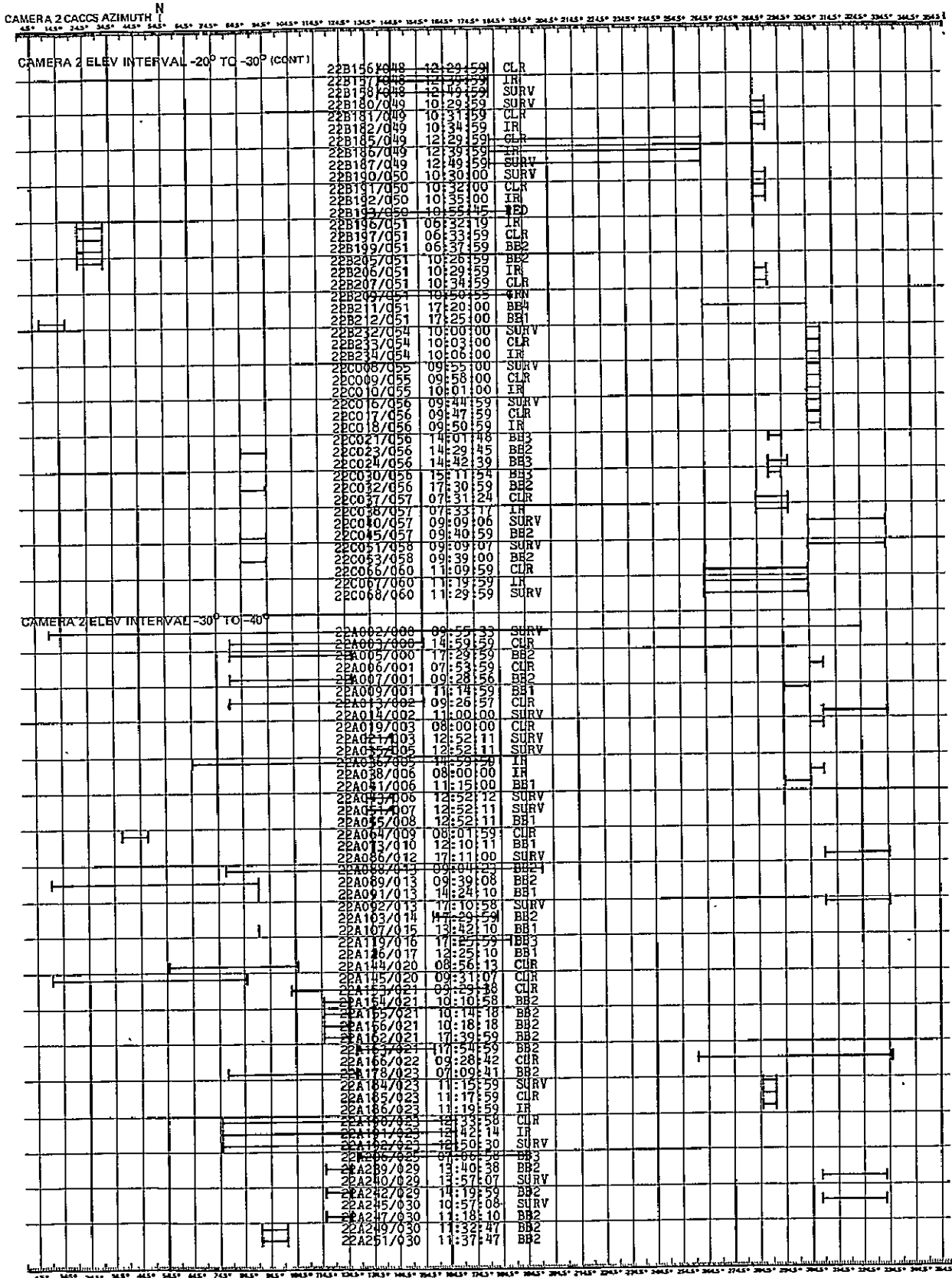


VL-2
CAMERA 2 ELEVATION COVERAGE CHART

CAMERA 2 CACS AZIMUTH N
43° 44° 45° 46° 47° 48° 49° 50° 51° 52° 53° 54° 55° 56° 57° 58° 59° 60° 61° 62° 63° 64° 65° 66° 67° 68° 69° 70° 71° 72° 73° 74° 75° 76° 77° 78° 79° 80° 81° 82° 83° 84° 85° 86° 87° 88° 89° 90° 91° 92° 93° 94° 95° 96° 97° 98° 99° 100° 101° 102° 103° 104° 105° 106° 107° 108° 109° 110° 111° 112° 113° 114° 115° 116° 117° 118° 119° 120° 121° 122° 123° 124° 125° 126° 127° 128° 129° 130° 131° 132° 133° 134° 135° 136° 137° 138° 139° 140° 141° 142° 143° 144° 145° 146° 147° 148° 149° 150° 151° 152° 153° 154° 155° 156° 157° 158° 159° 160° 161° 162° 163° 164° 165° 166° 167° 168° 169° 170° 171° 172° 173° 174° 175° 176° 177° 178° 179° 180° 181° 182° 183° 184° 185° 186° 187° 188° 189° 190° 191° 192° 193° 194° 195° 196° 197° 198° 199° 200°

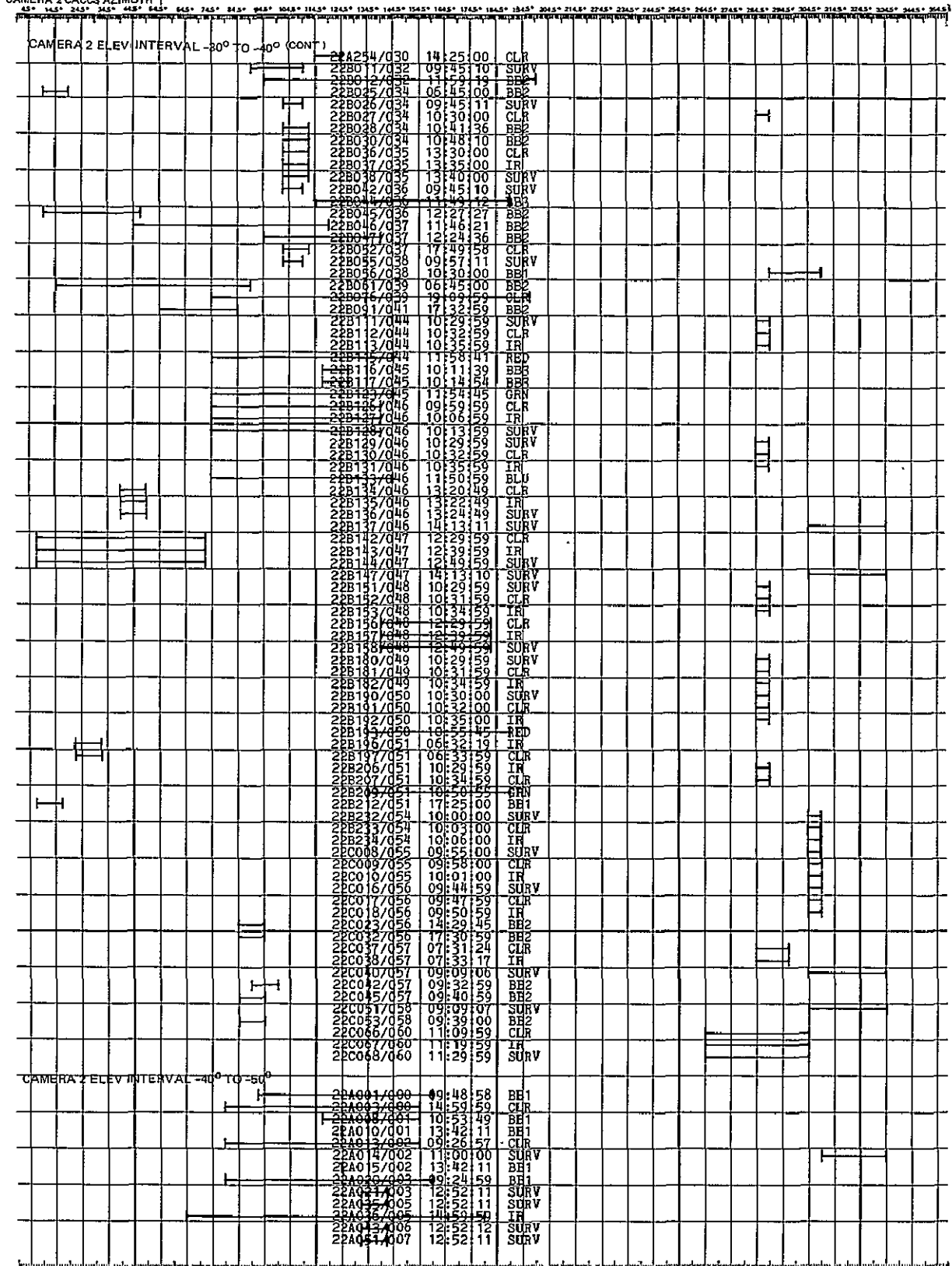


VL-2
CAMERA 2 ELEVATION COVERAGE CHART

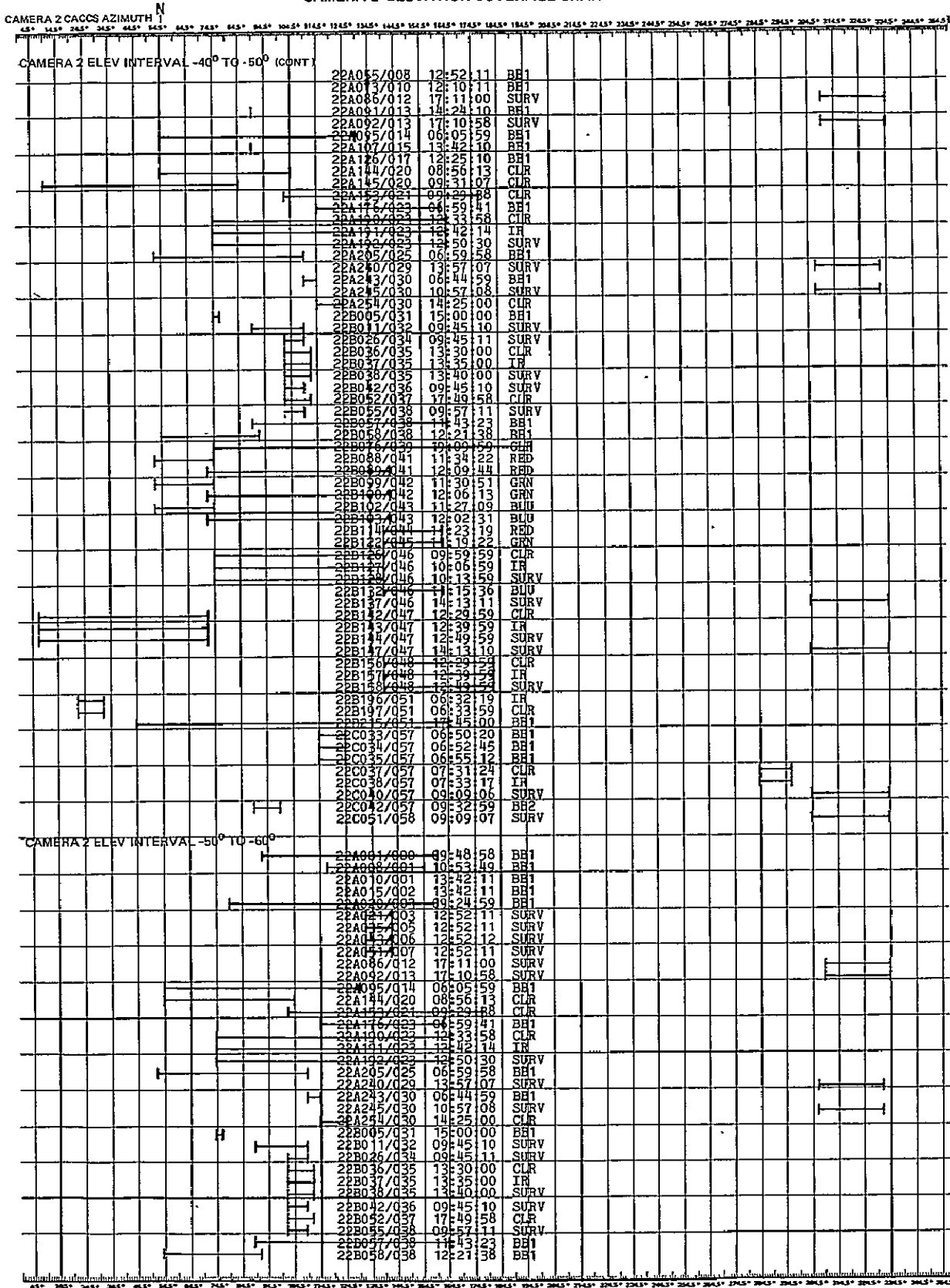


VL-2 CAMERA 2 ELEVATION COVERAGE CHART

CAMERA 2 CACCS AZIMUTH N

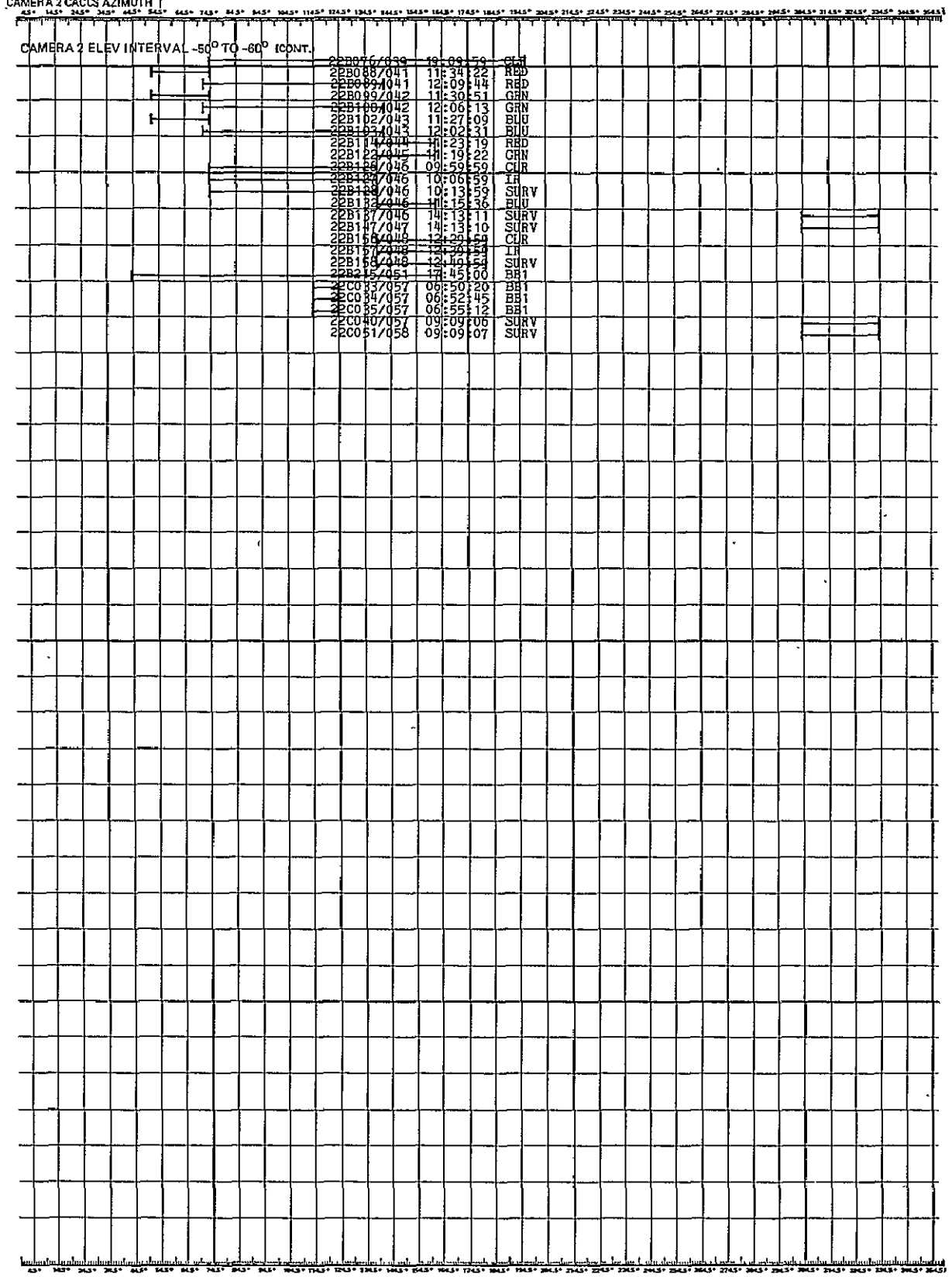


VL-2
CAMERA 2 ELEVATION COVERAGE CHART



VL-2 CAMERA 2 ELEVATION COVERAGE CHART

CAMERA 2 CACCS AZIMUTH ^N

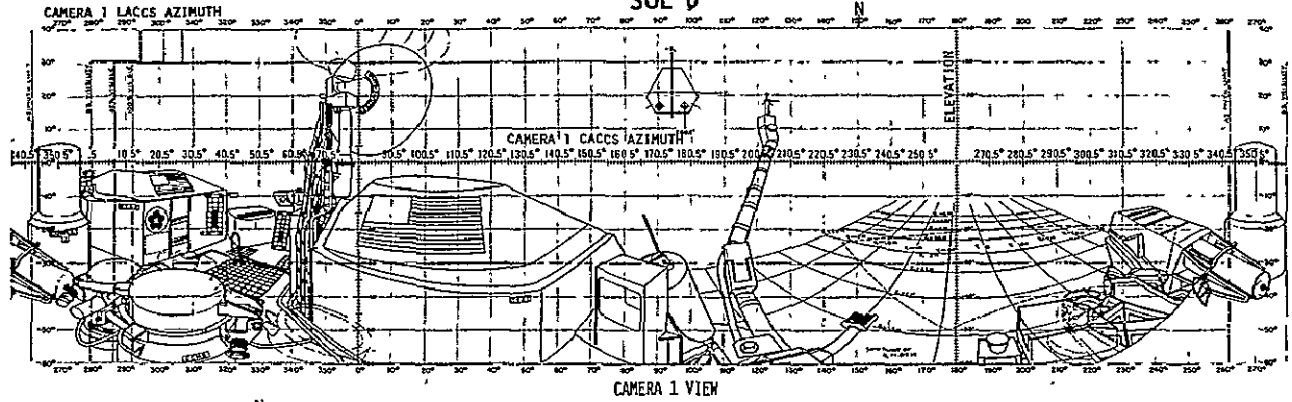


VL-2 SKYLINE DRAWINGS

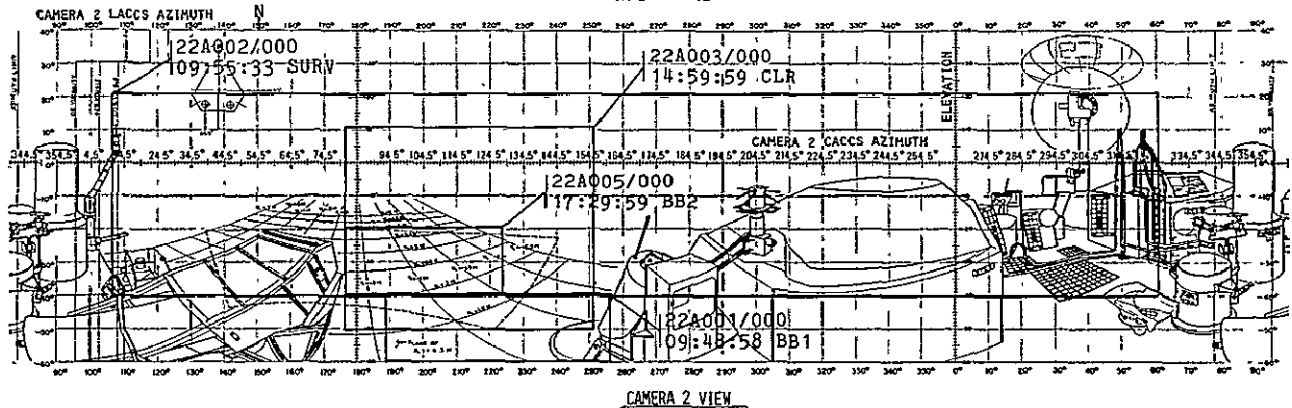
VL-2 SKYLINE DRAWINGS

This section contains the skyline drawings for VL-2. The format for these drawings has been described in the section "Skyline Drawings."

VL-2
SOL 0

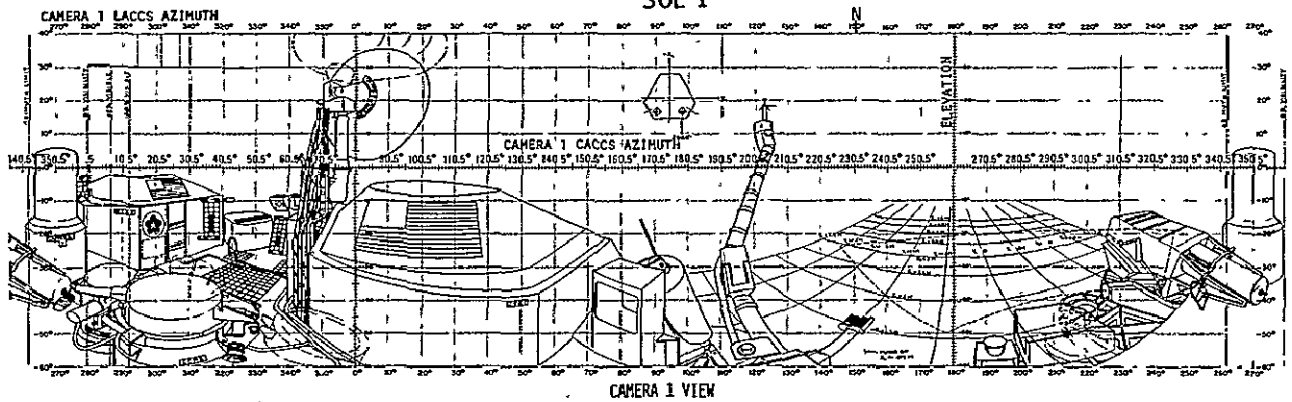


CAMERA 1 VIEW

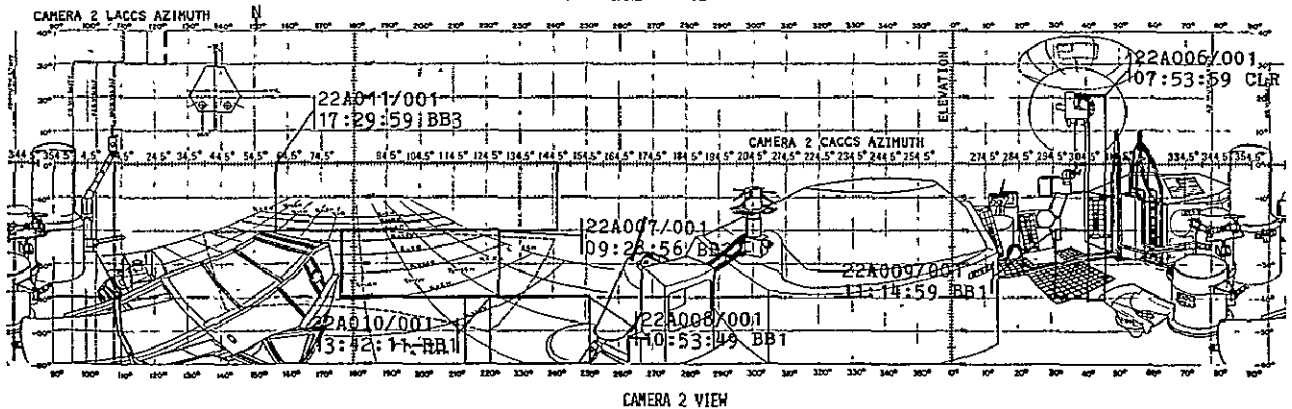


CAMERA 2 VIEW

SOL 1

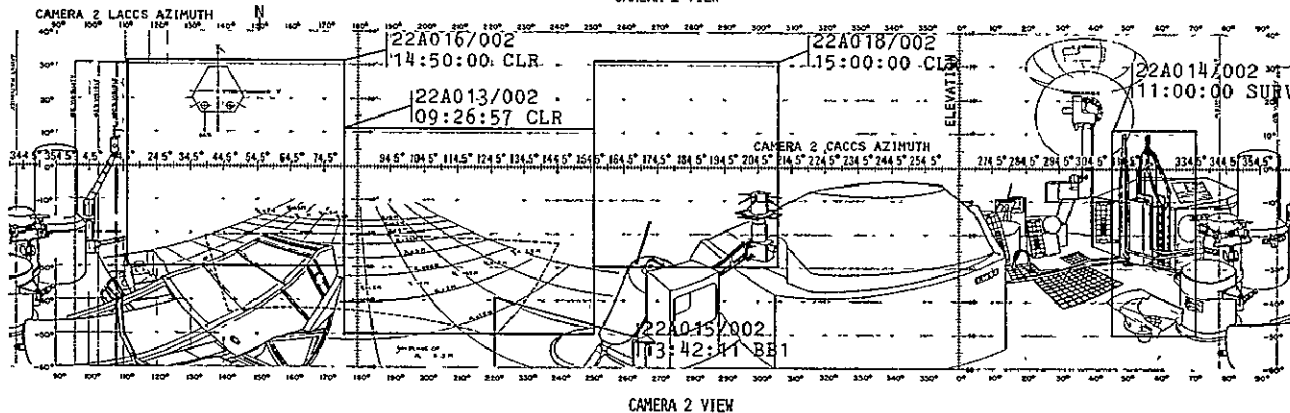
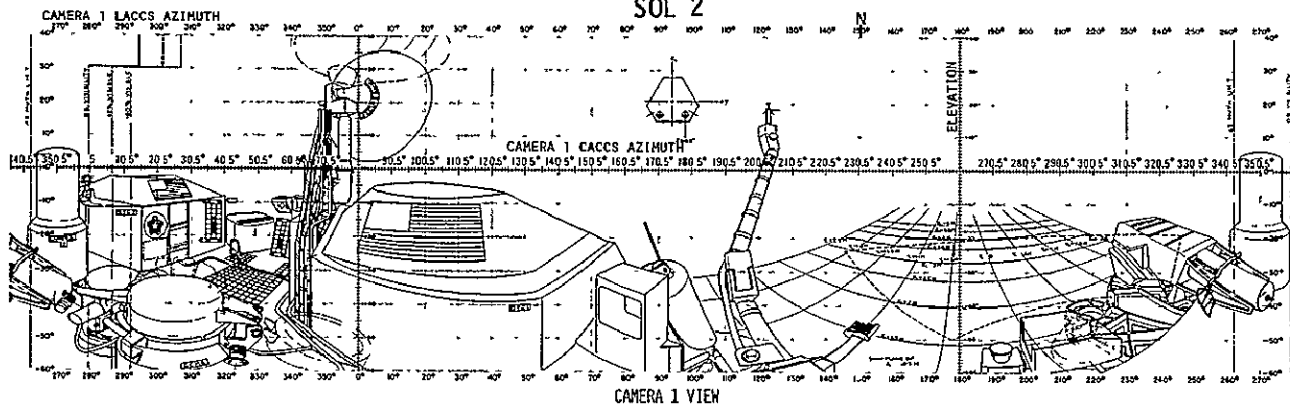


CAMERA 1 VIEW

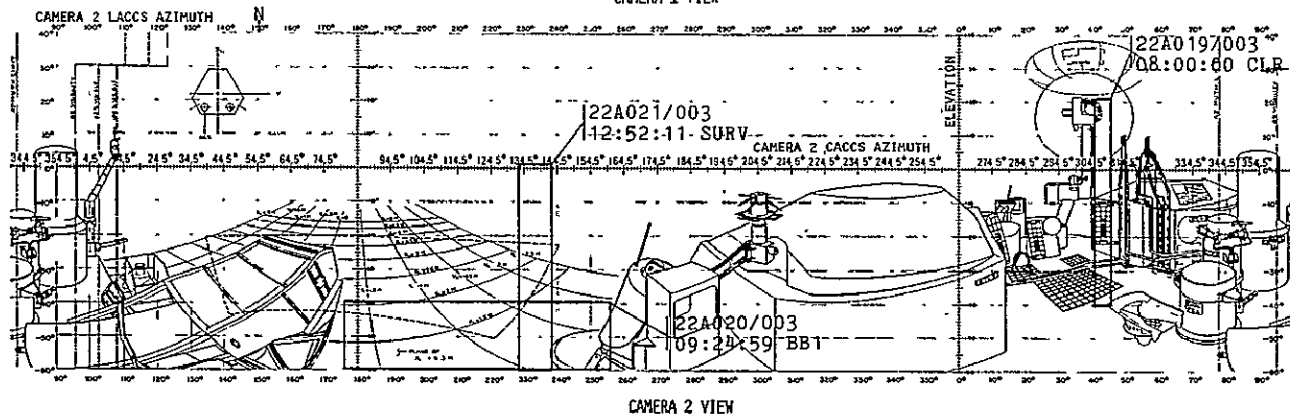
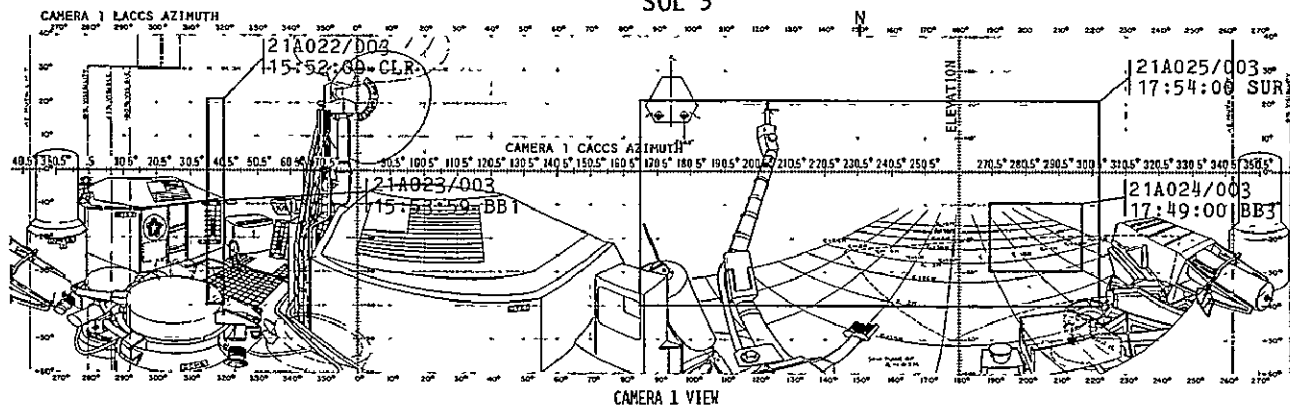


CAMERA 2 VIEW

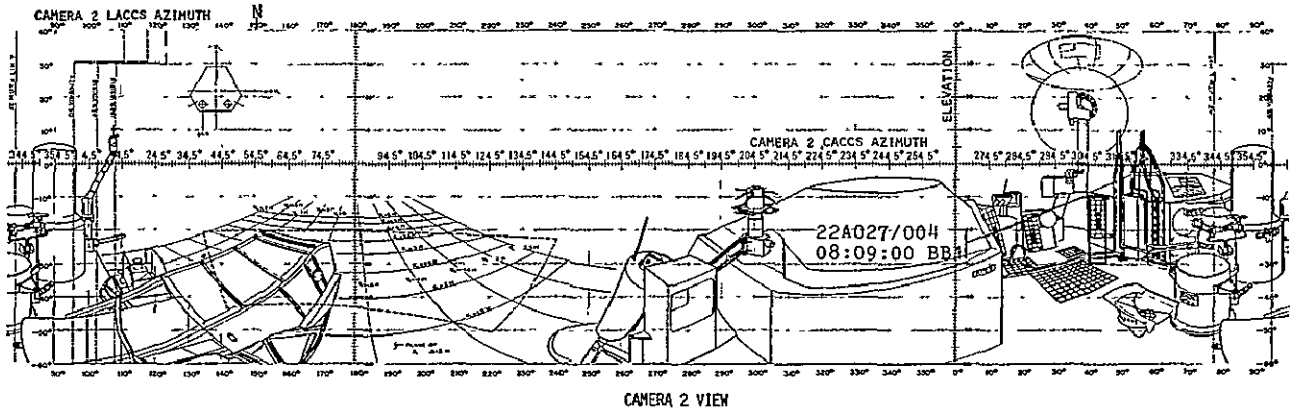
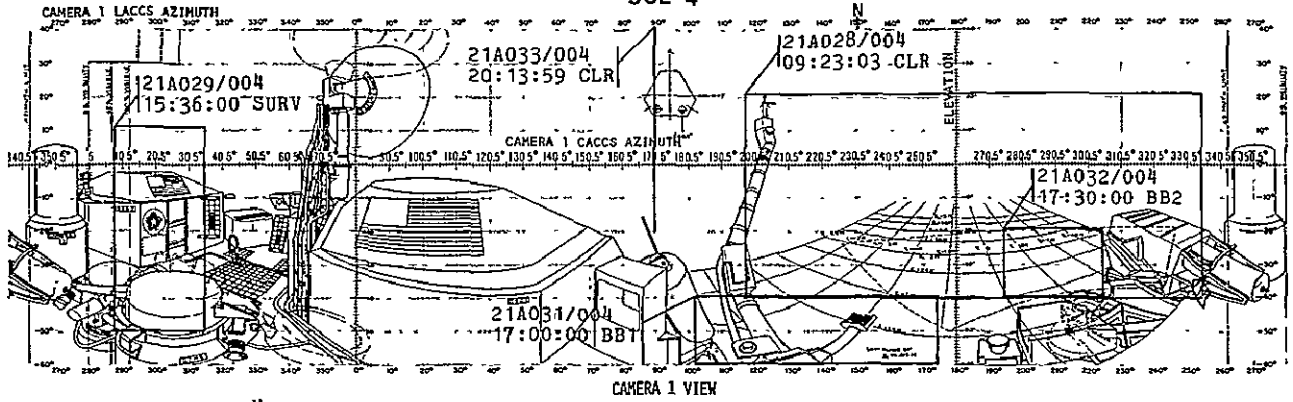
VL-2
SOL 2



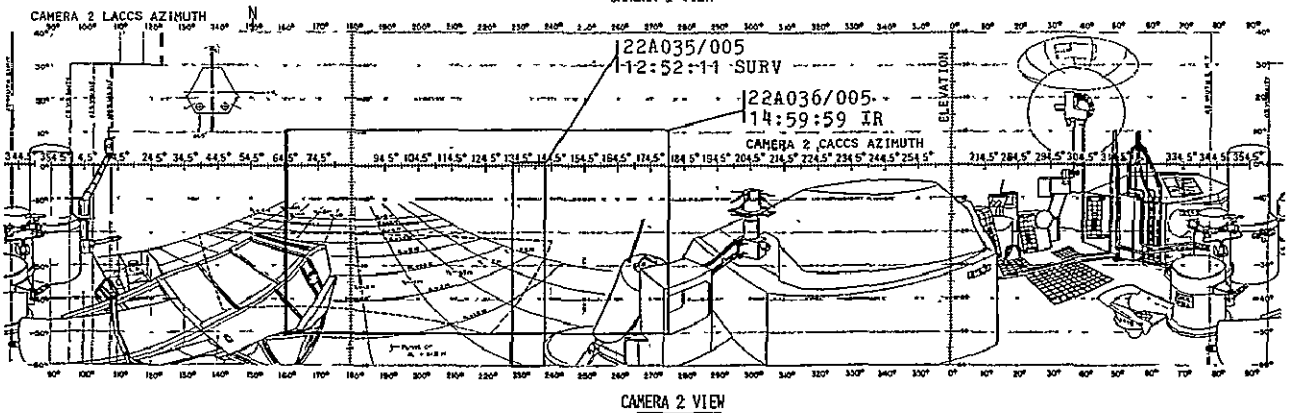
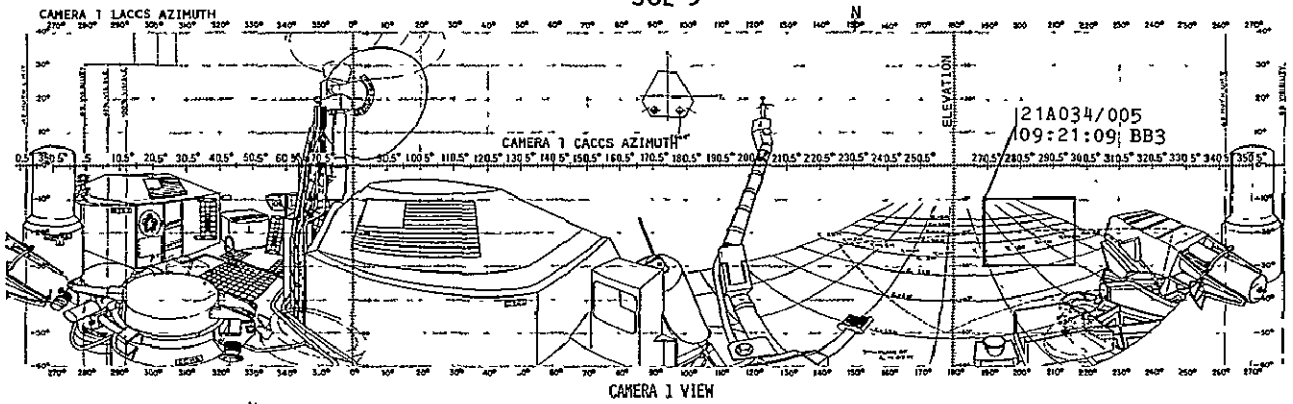
SOL 3



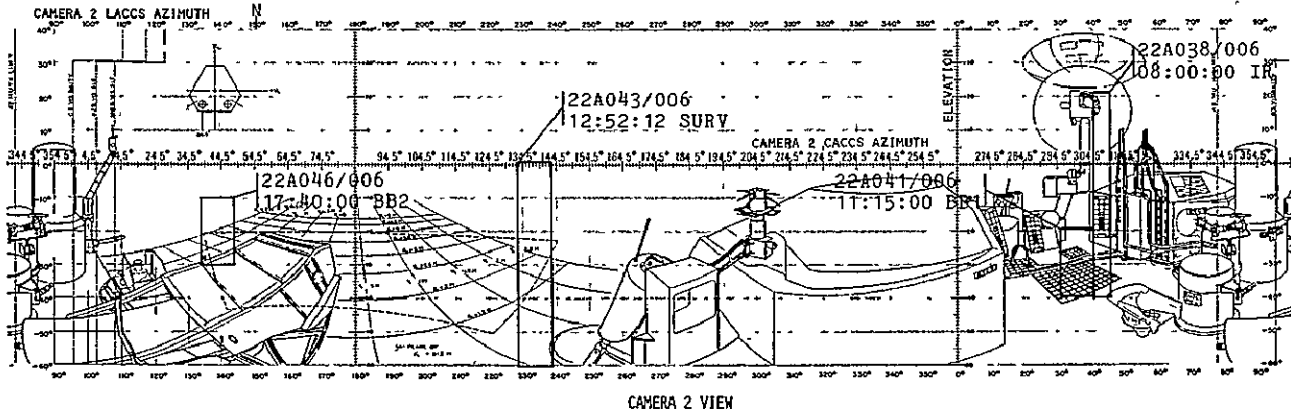
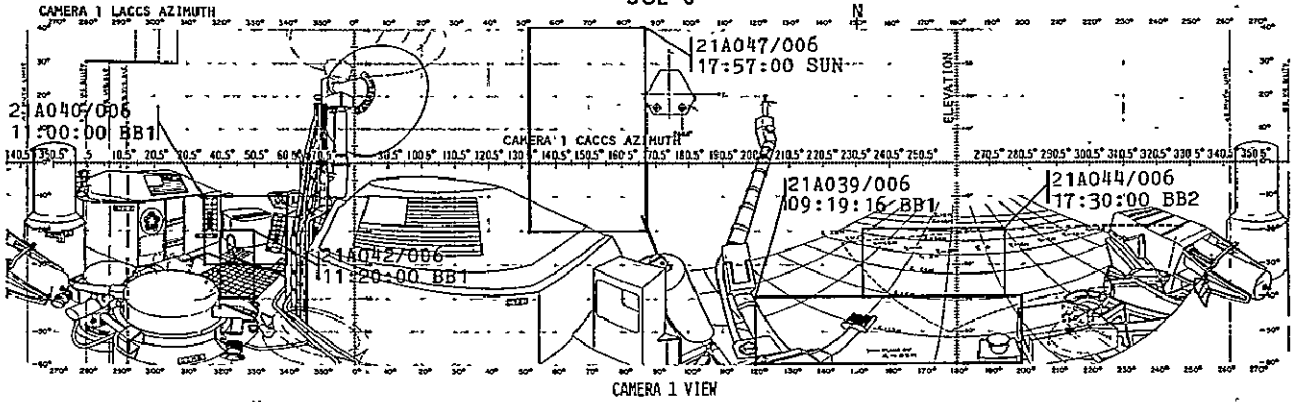
VL-2
SOL 4



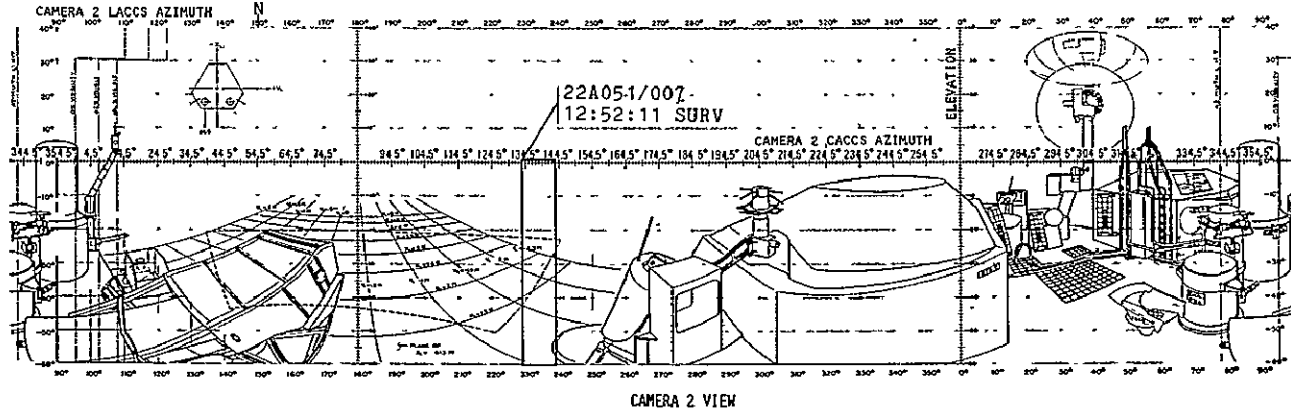
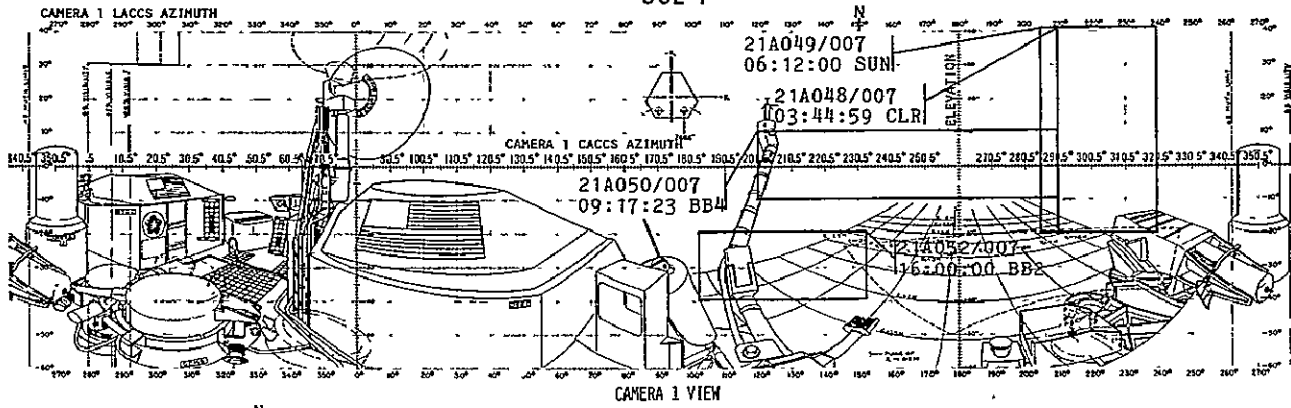
SOL 5



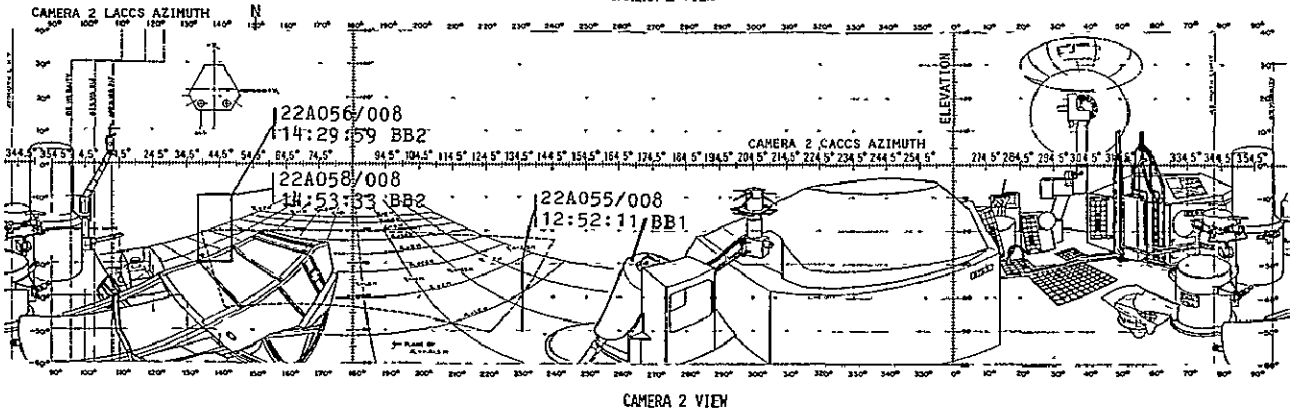
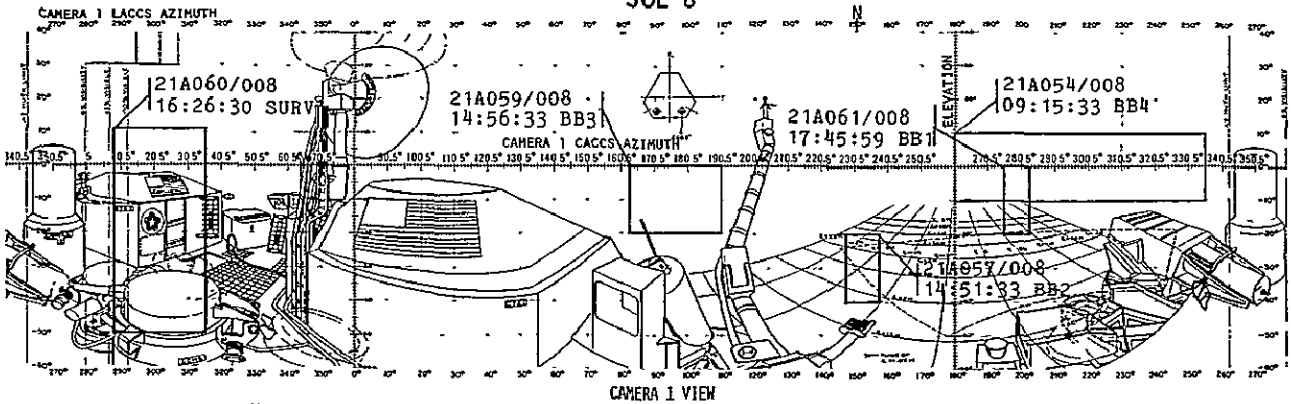
VL-2
SOL 6



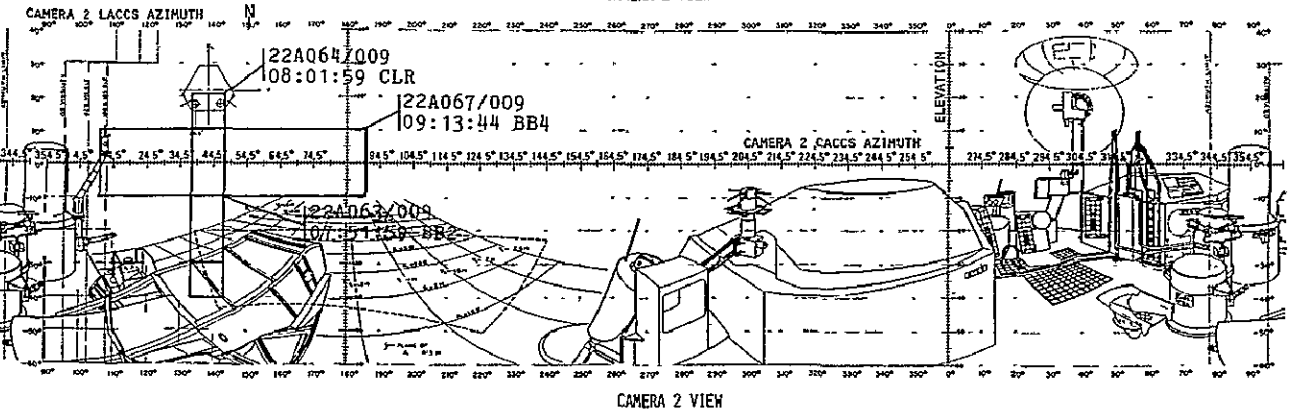
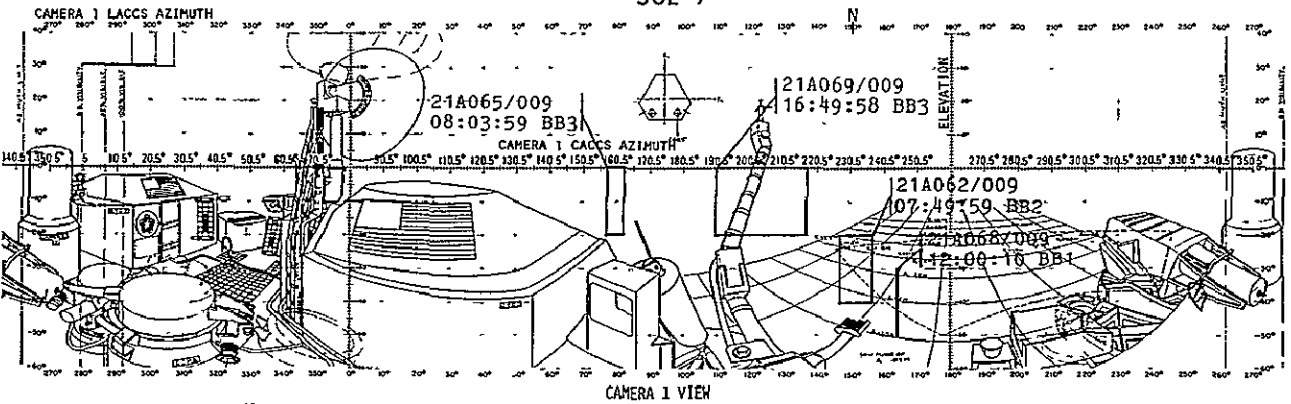
SOL 7



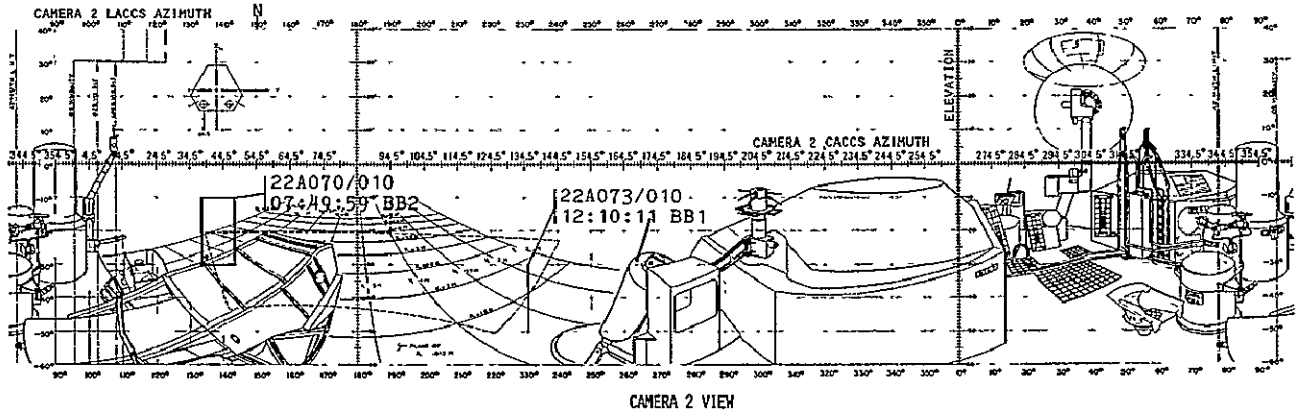
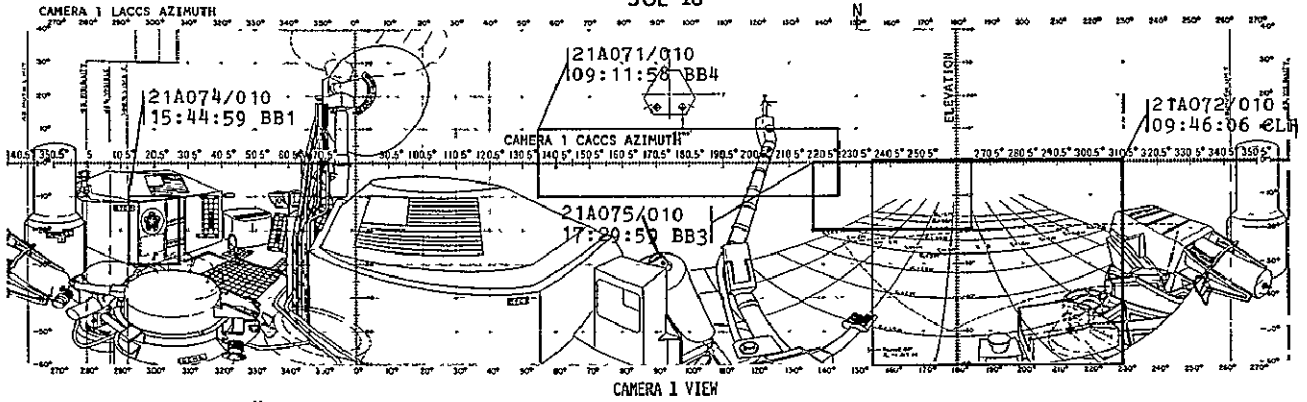
VL-2
SOL 8



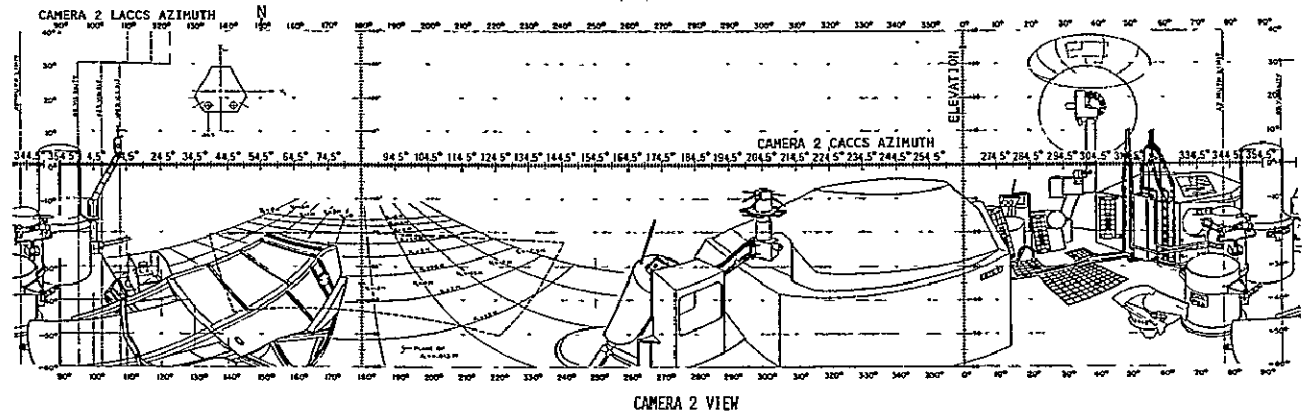
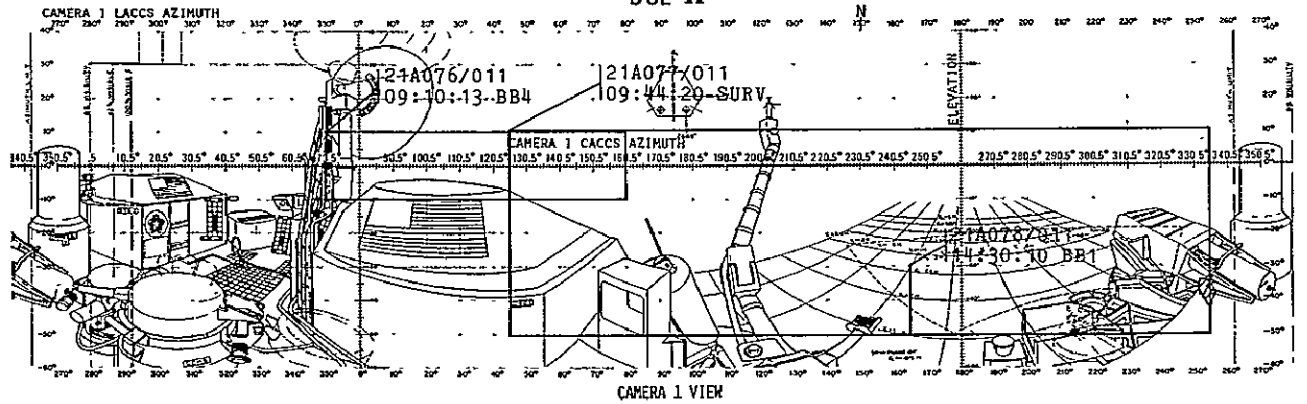
SOL 9



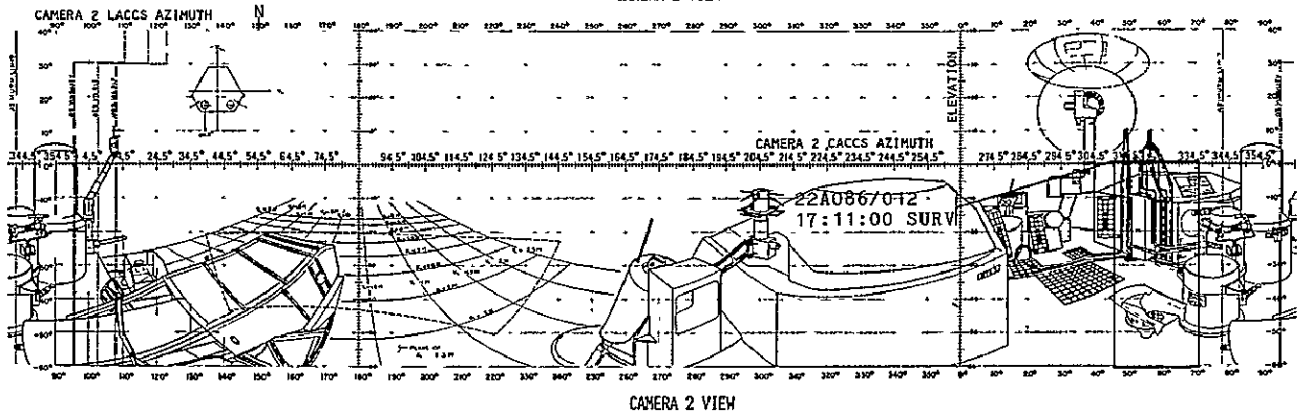
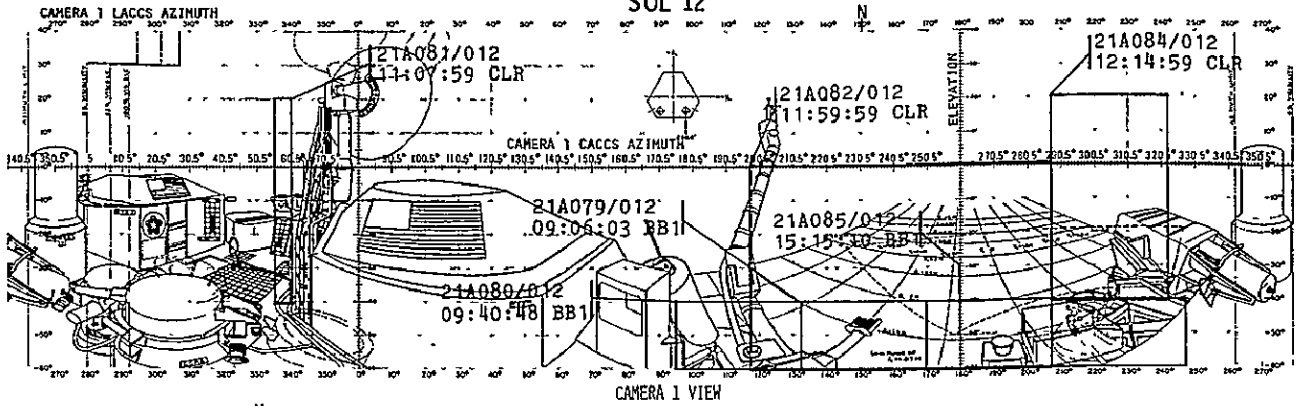
VL-2
SOL 10



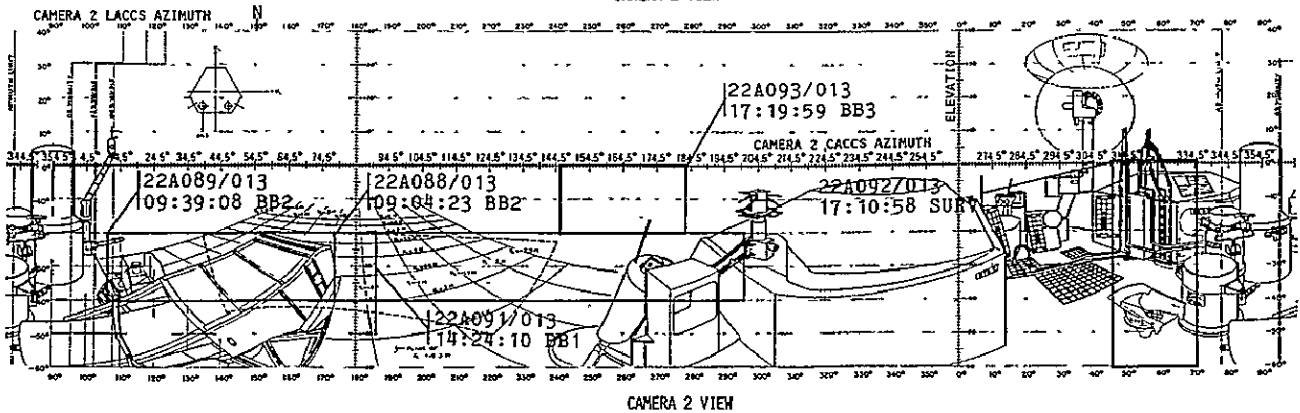
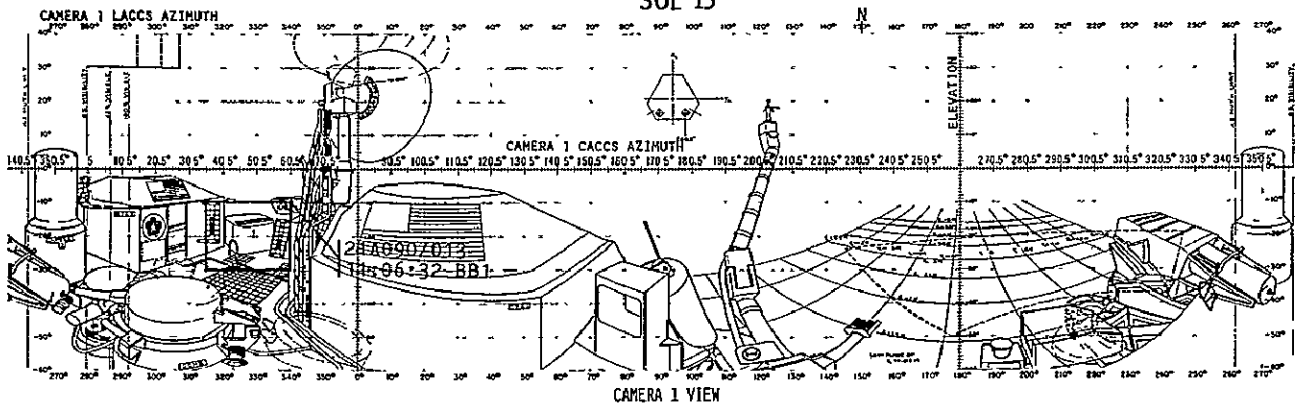
SOL 11



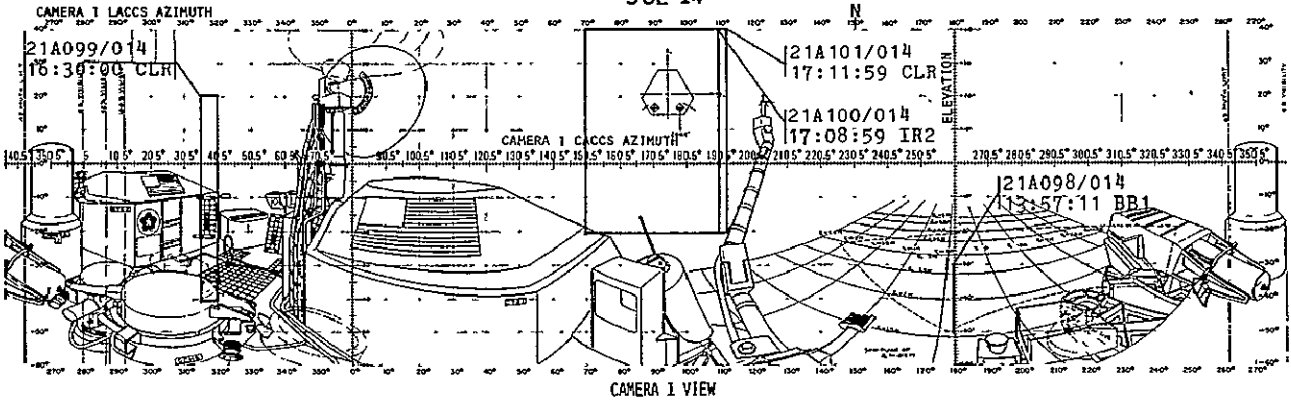
VL-2
SOL 12



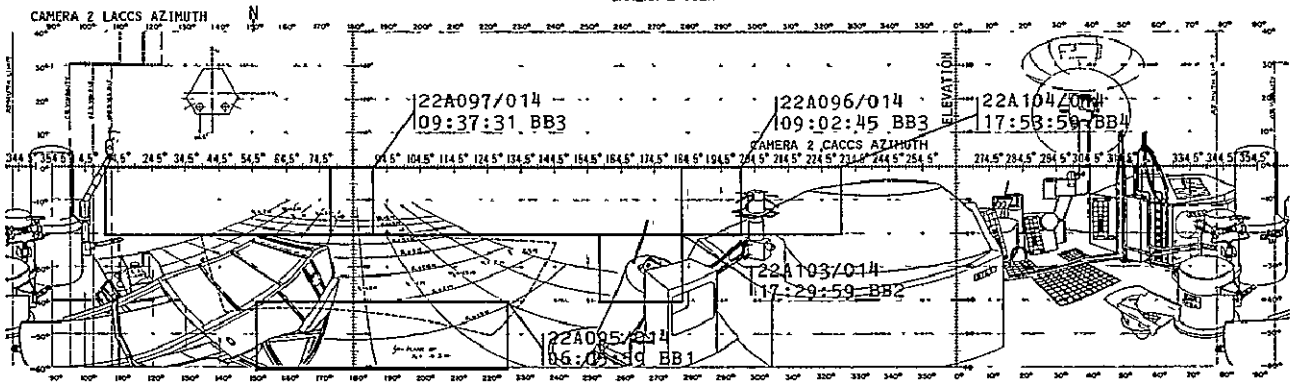
SOL 13



VL-2
SOL 14

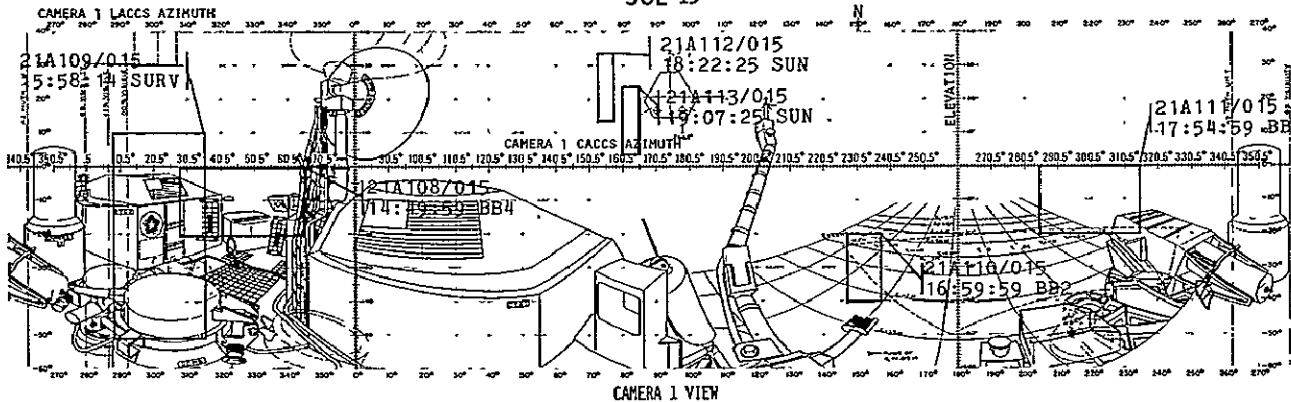


CAMERA 1 VIEW

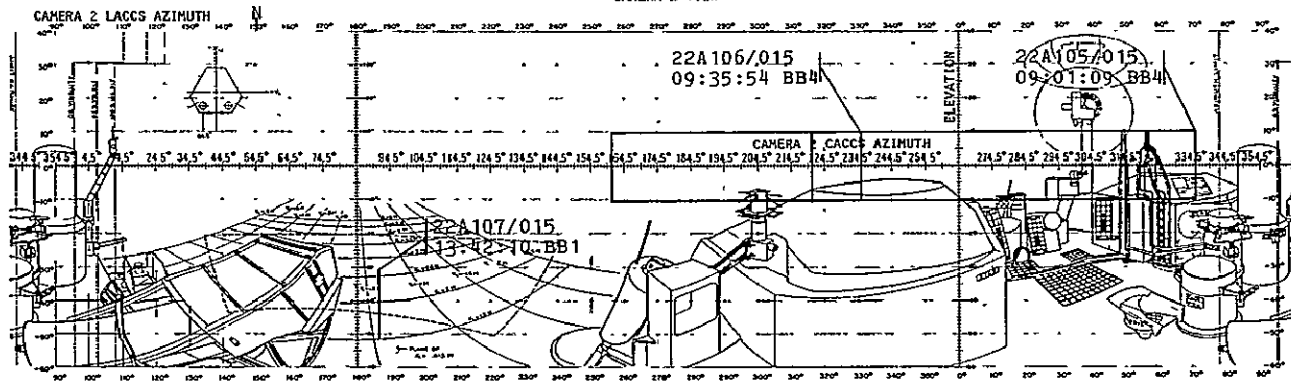


CAMERA 2 VIEW

SOL 15

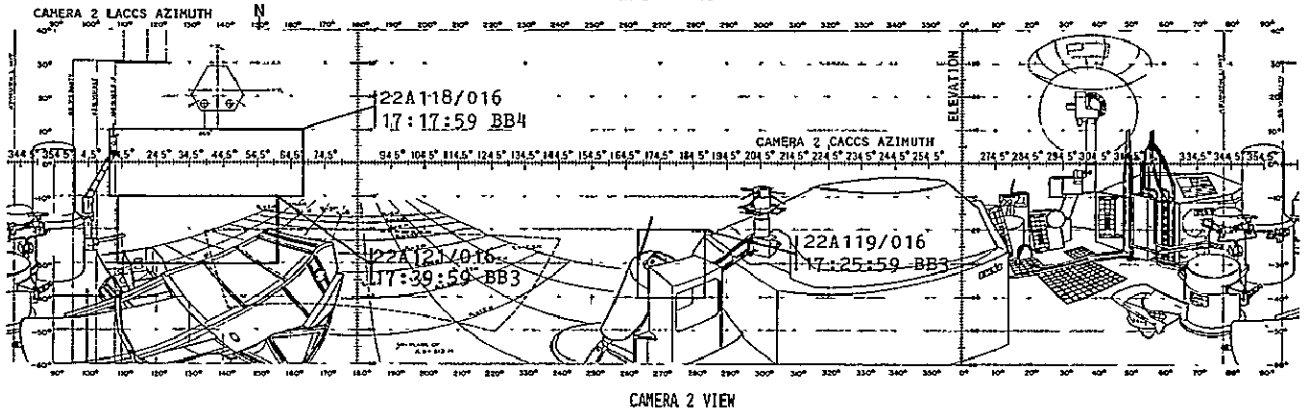
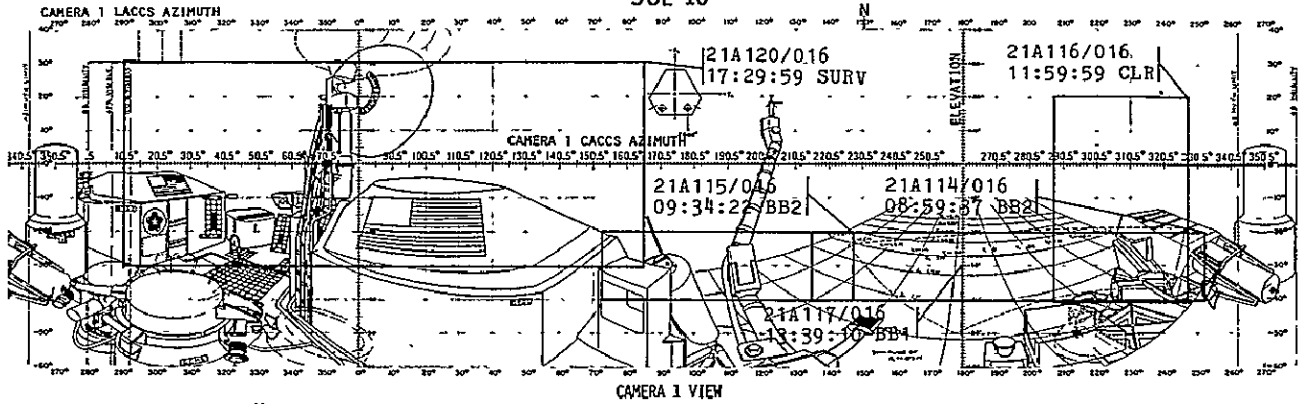


CAMERA 1 VIEW

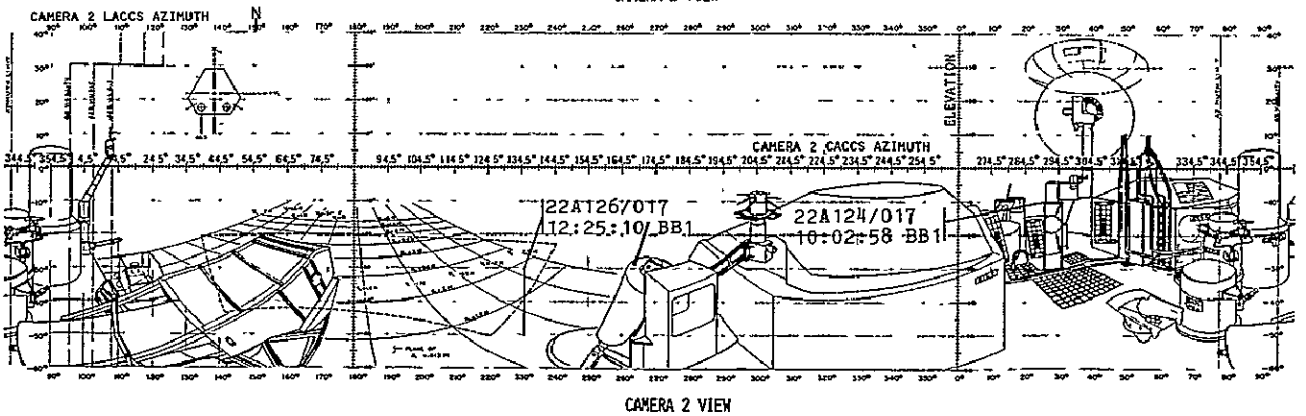
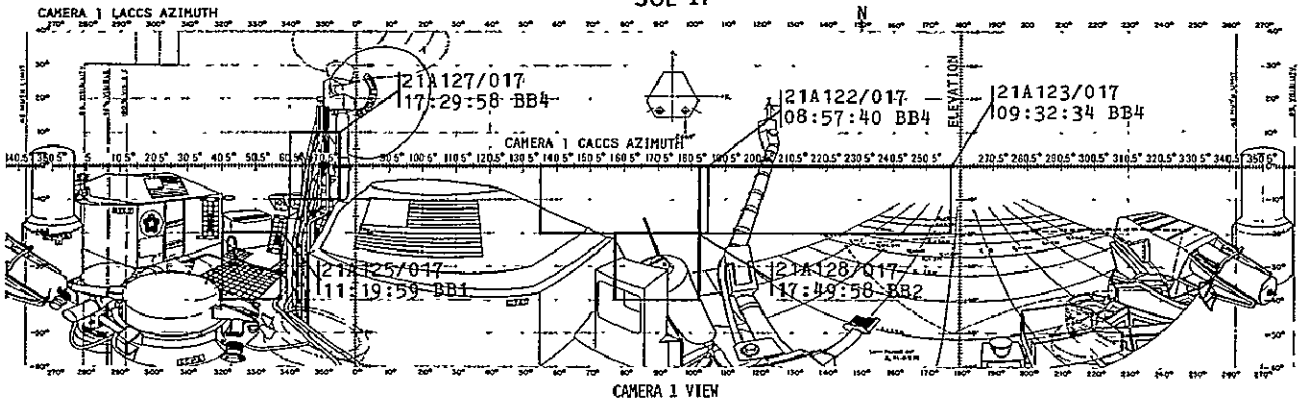


CAMERA 2 VIEW

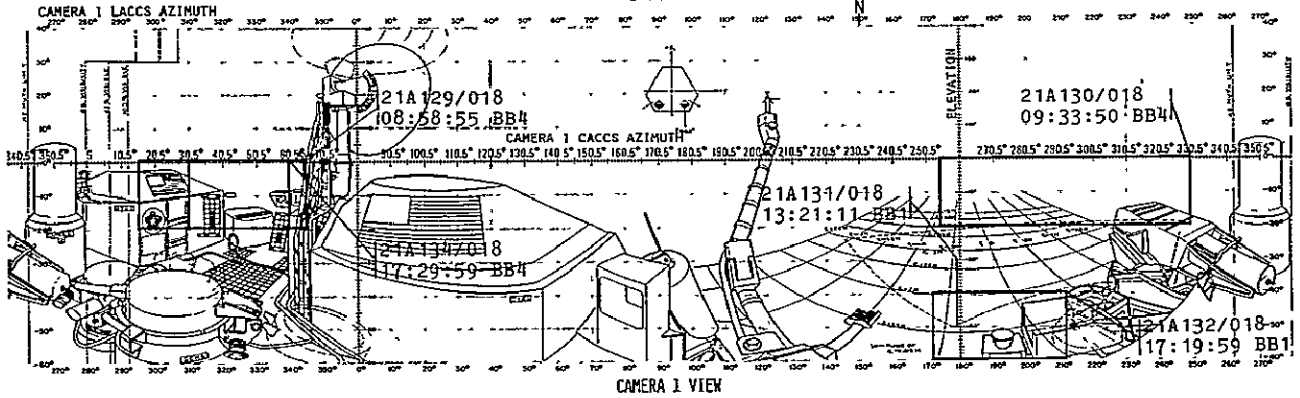
VL-2
SOL 16



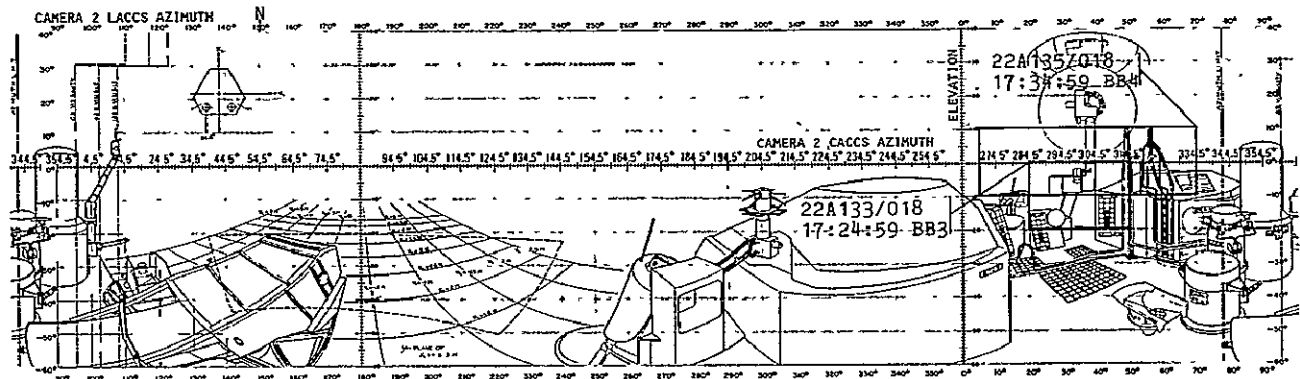
SOL 17



VL-2
SOL 18

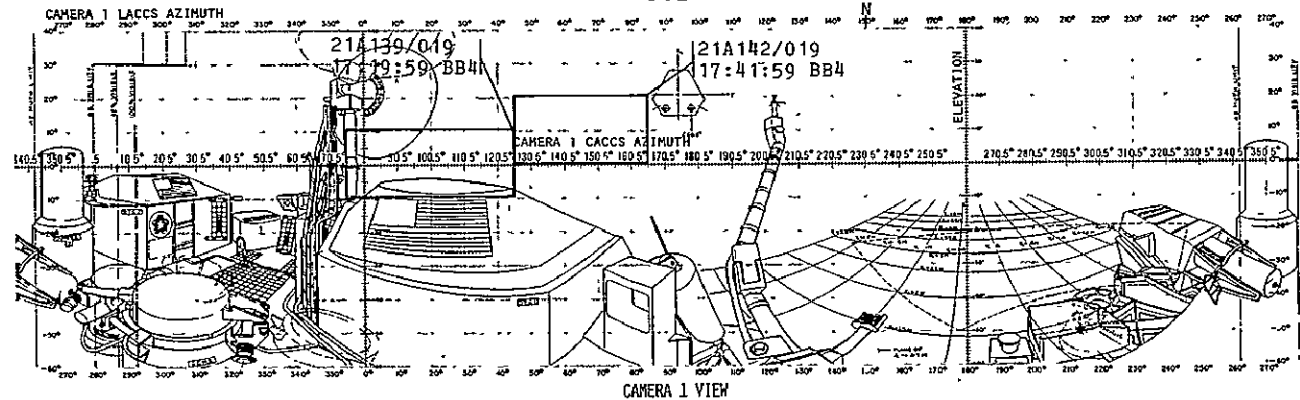


CAMERA 1 VIEW

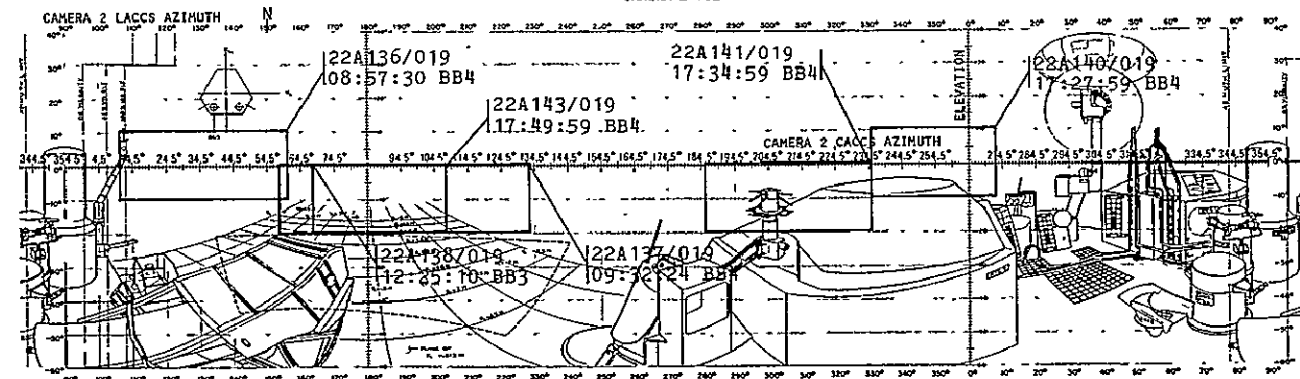


CAMERA 2 VIEW

SOL 19

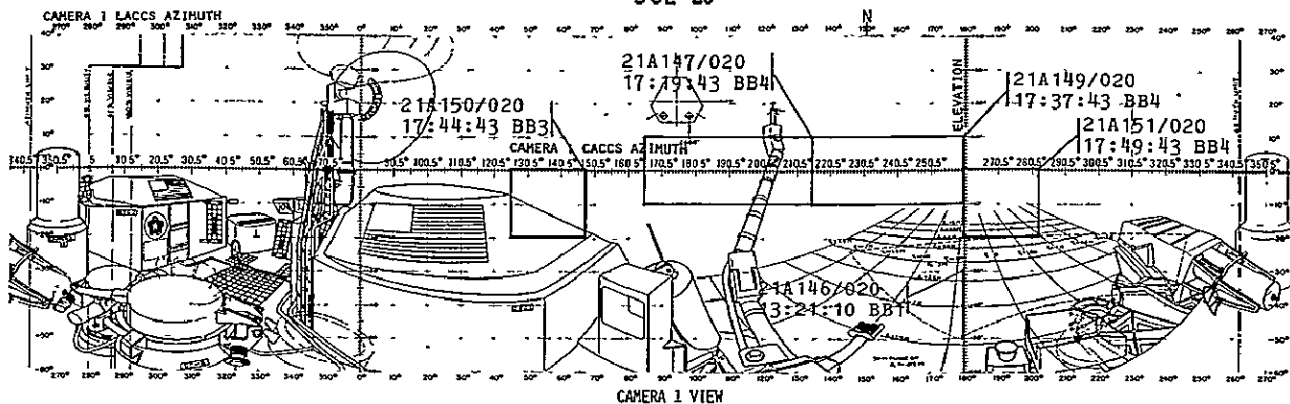


CAMERA 1 VIEW

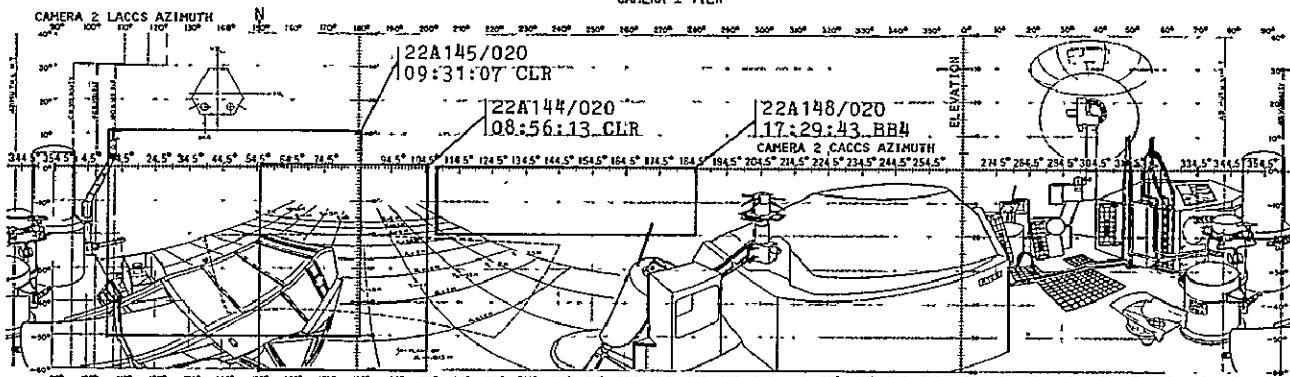


CAMERA 2 VIEW

VL-2
SOL 20

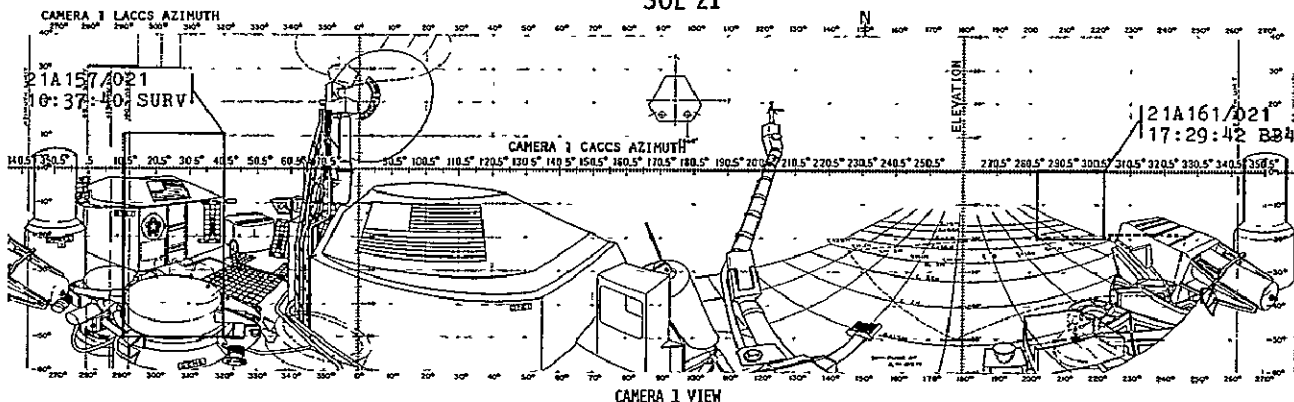


CAMERA 1 VIEW

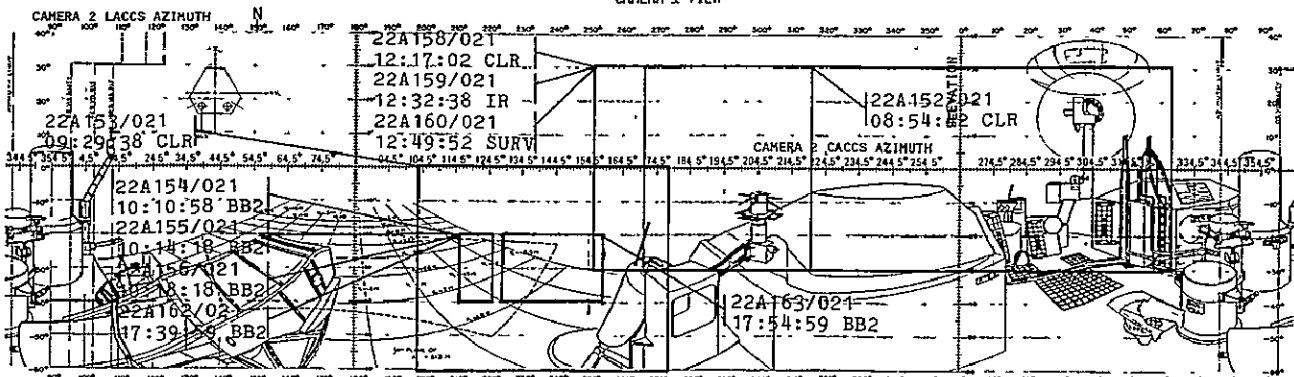


CAMERA 2 VIEW

SOL 21

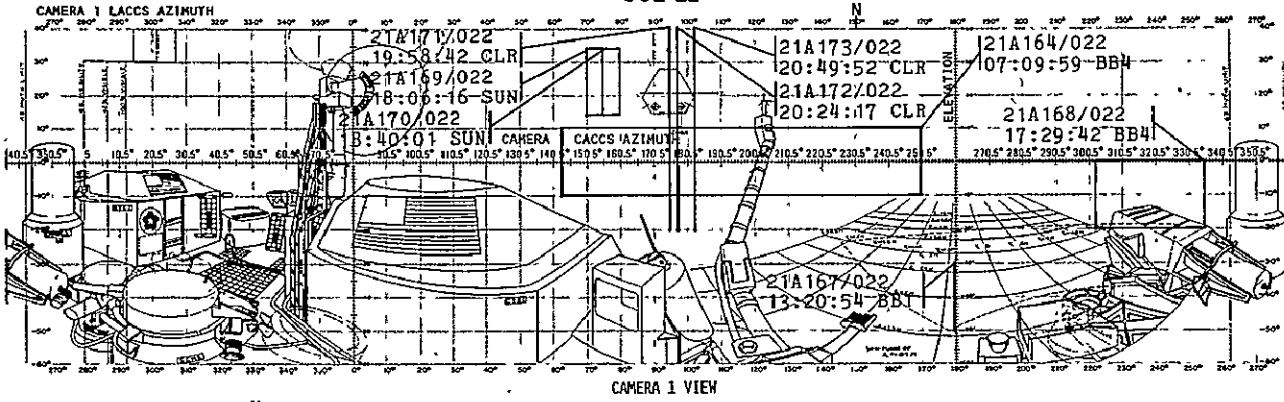


CAMERA 1 VIEW

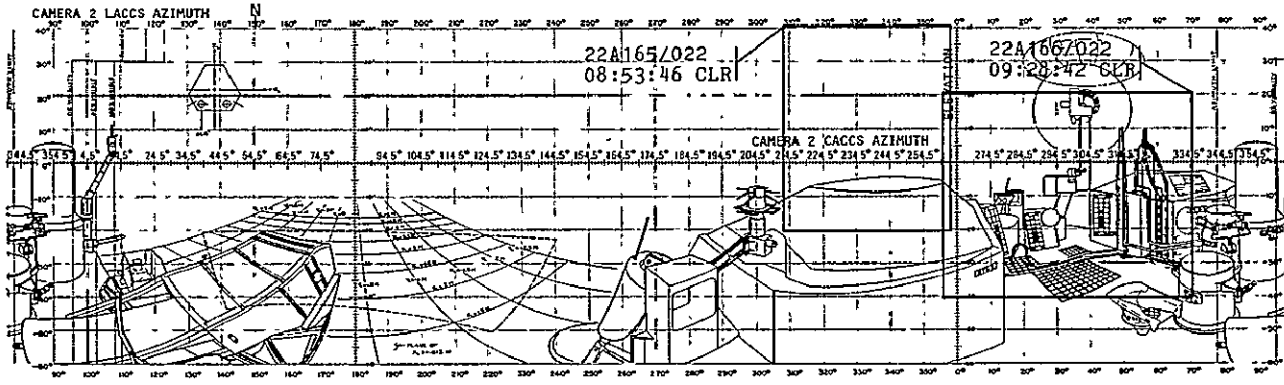


CAMERA 2 VIEW

VL-2
SOL 22

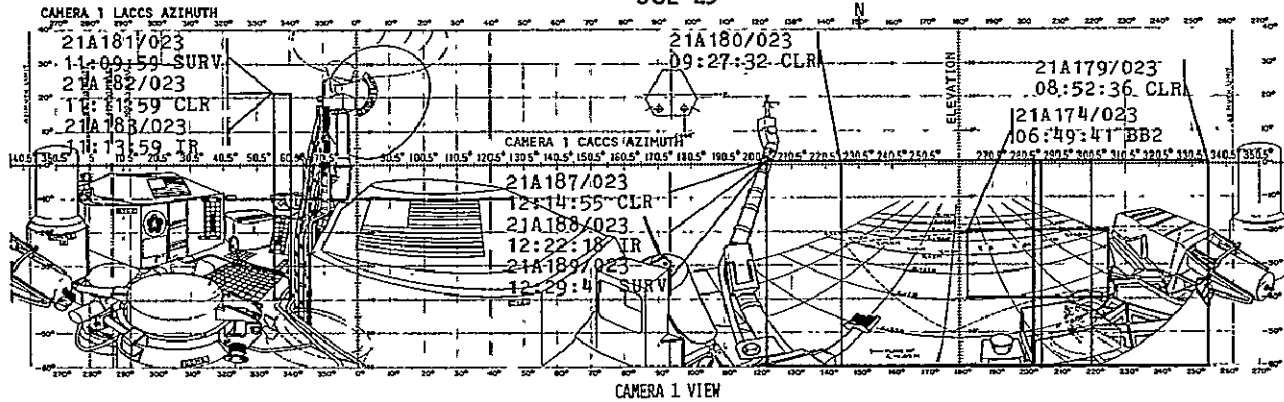


CAMERA 1 VIEW

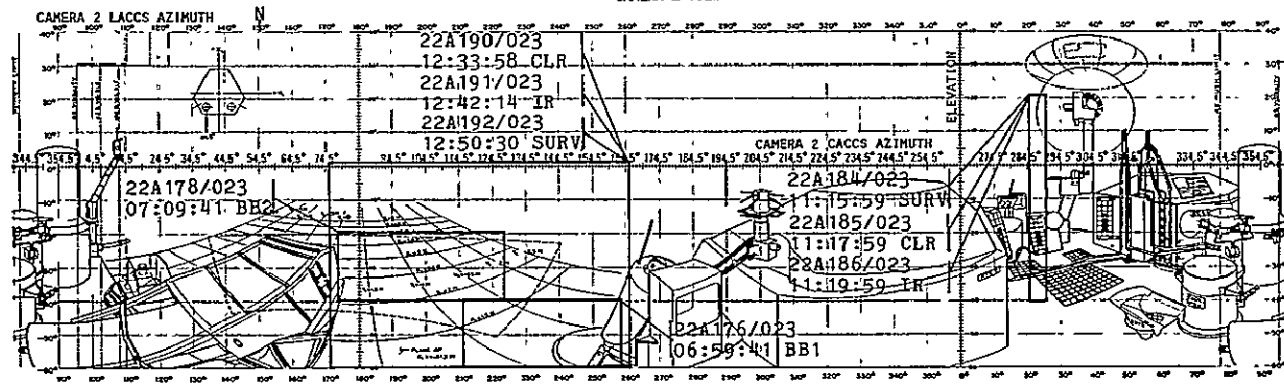


CAMERA 2 VIEW

SOL 23

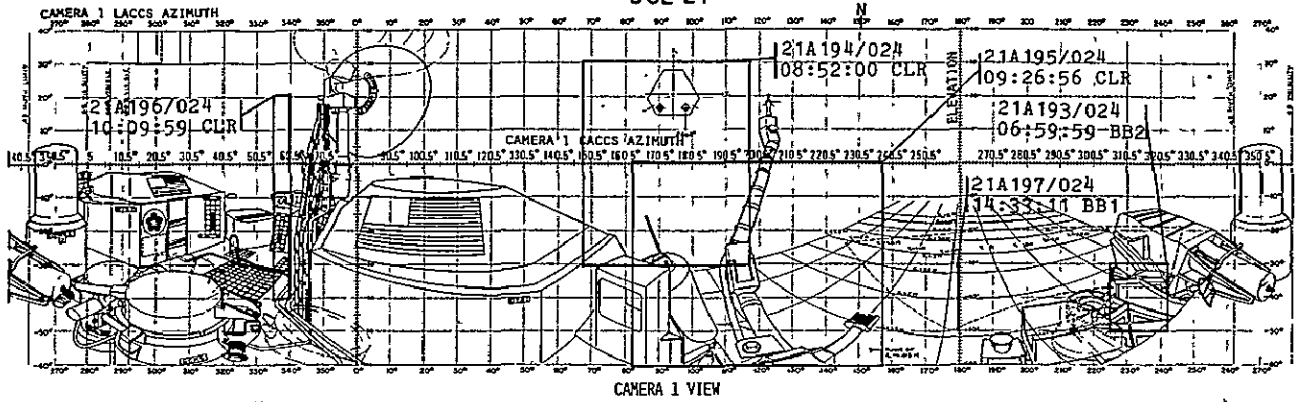


CAMERA 1 VIEW

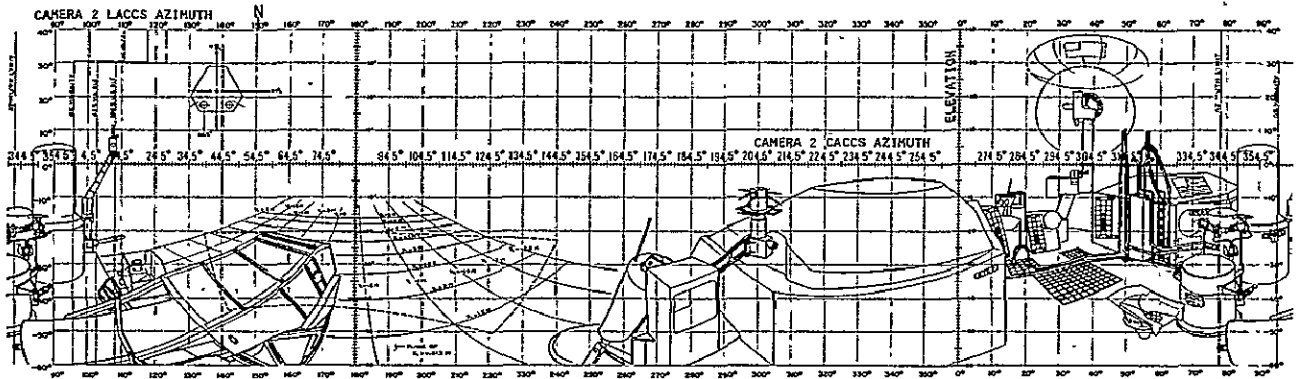


CAMERA 2 VIEW

VL-2
SOL 24

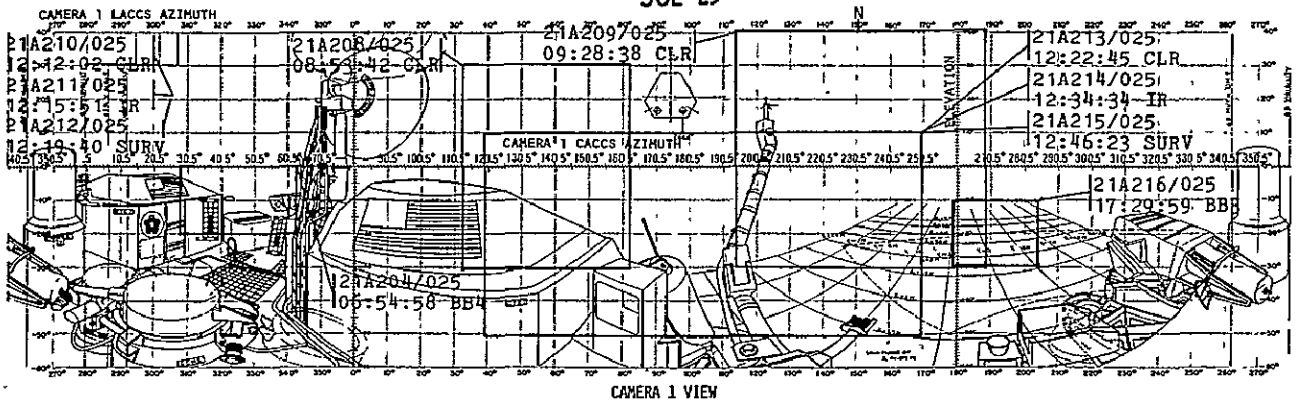


CAMERA 1 VIEW

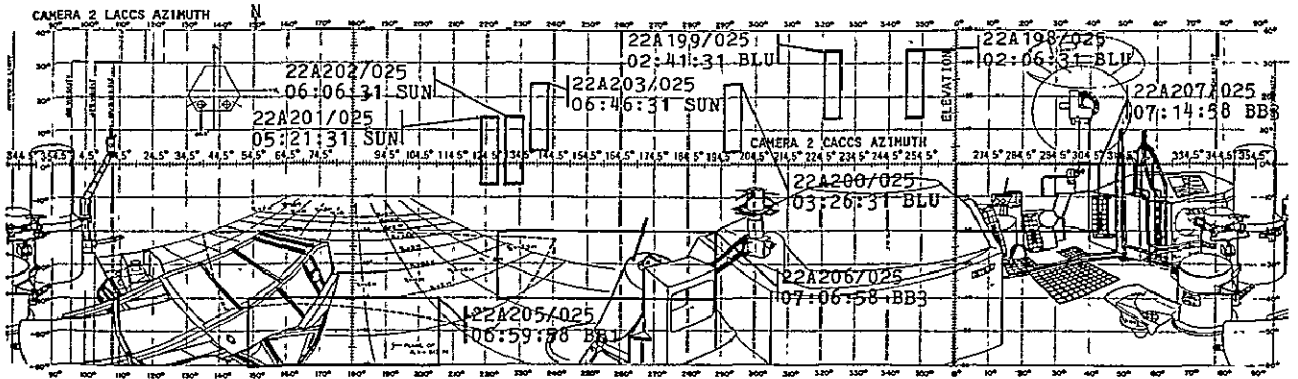


CAMERA 2 VIEW

SOL 25

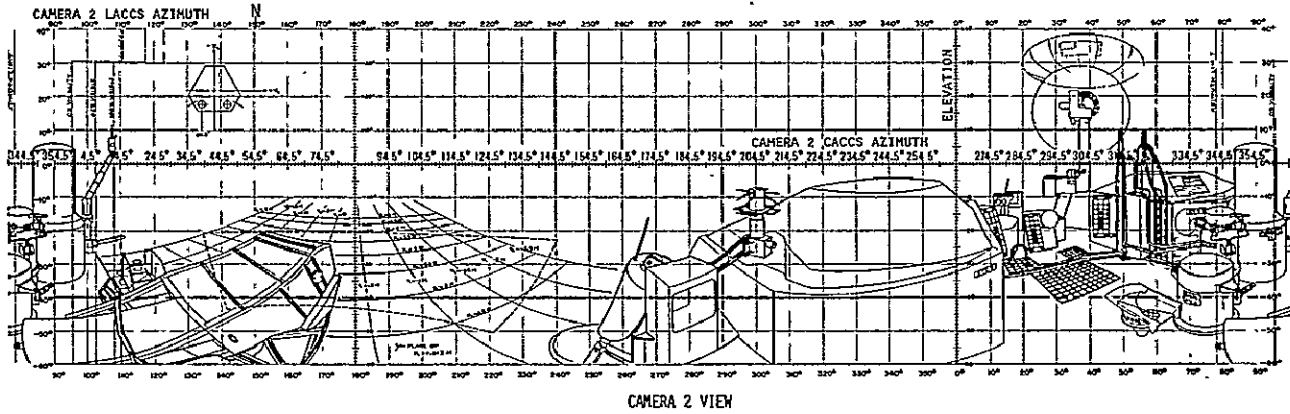
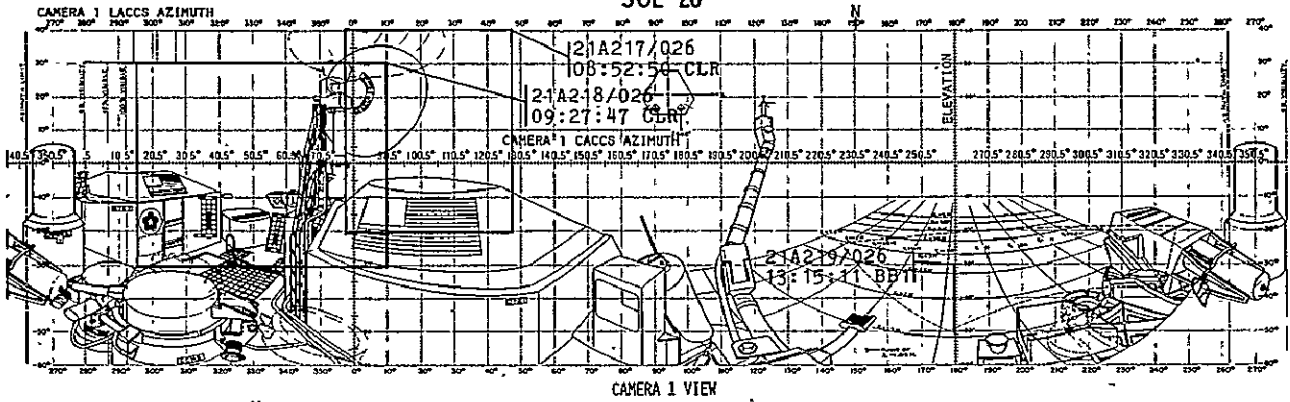


CAMERA 1 VIEW

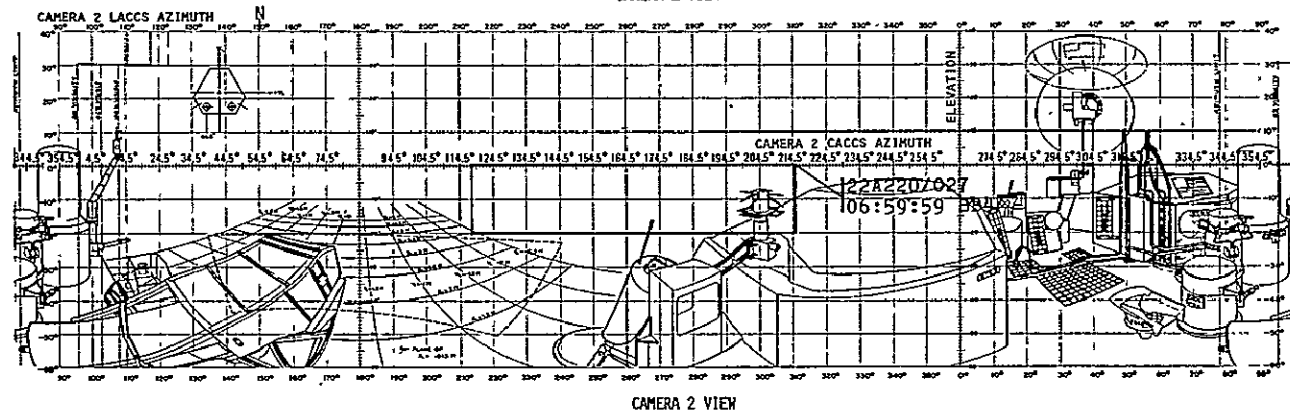
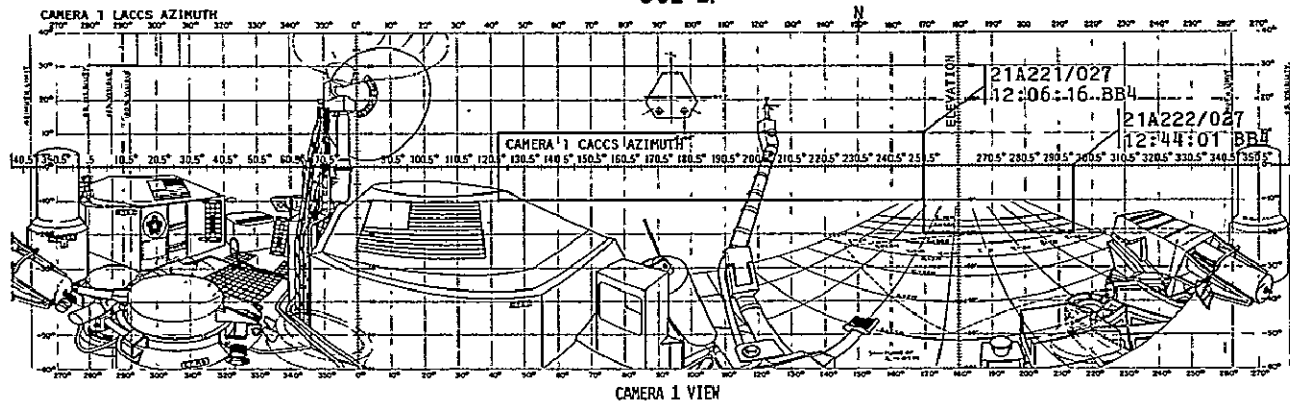


CAMERA 2 VIEW

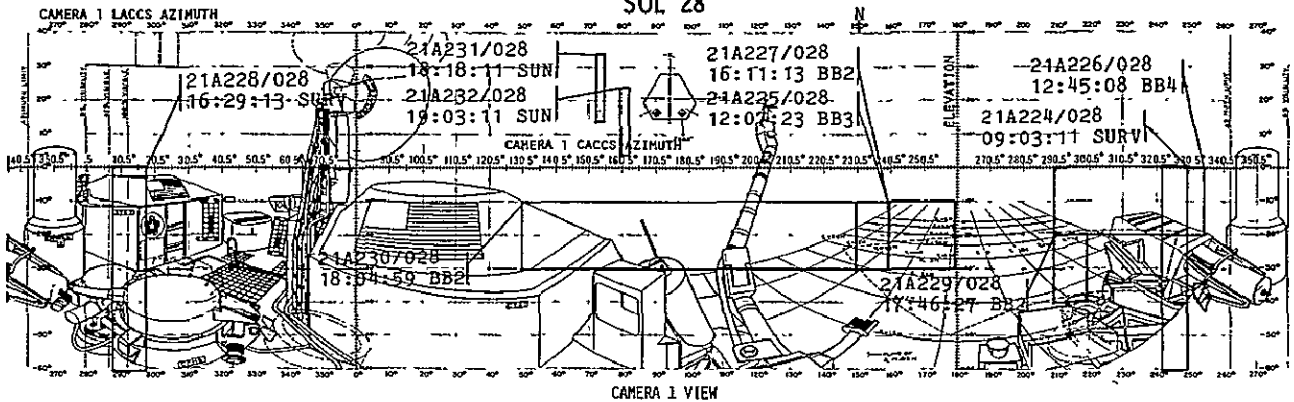
VL-2
SOL 26



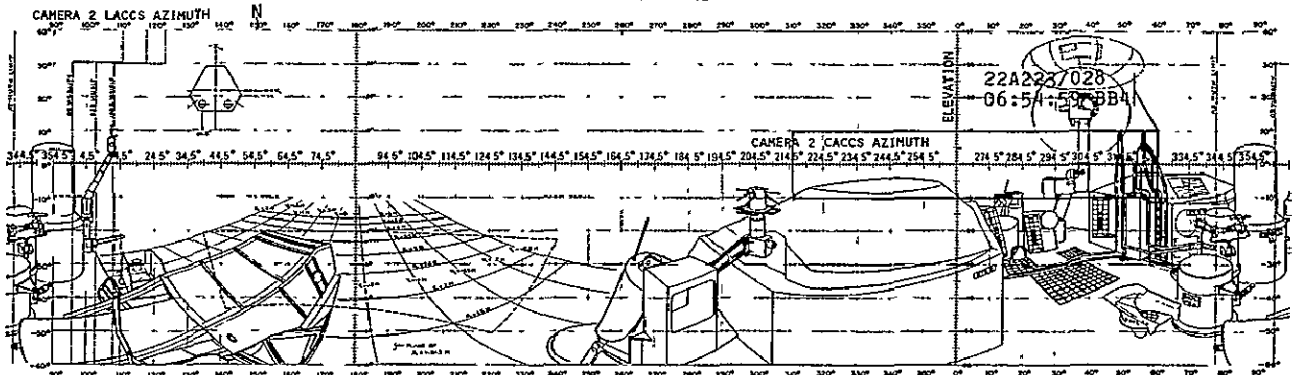
SOL 27



VL-2
SOL 28

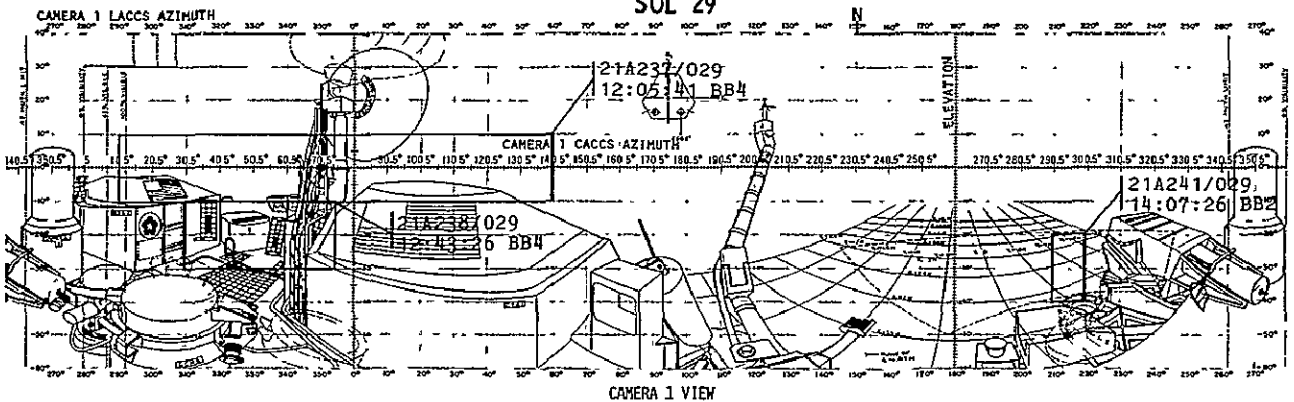


CAMERA 1 VIEW

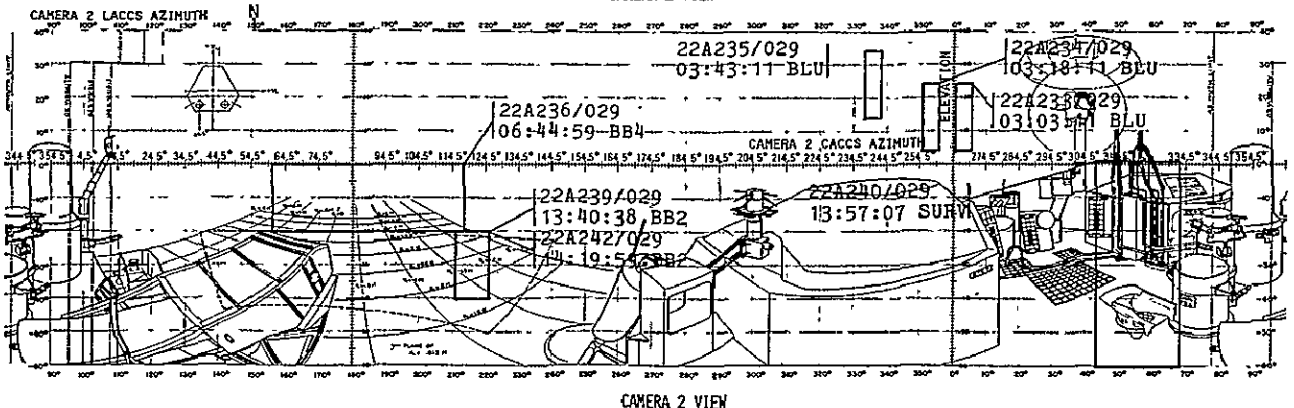


CAMERA 2 VIEW

SOL 29

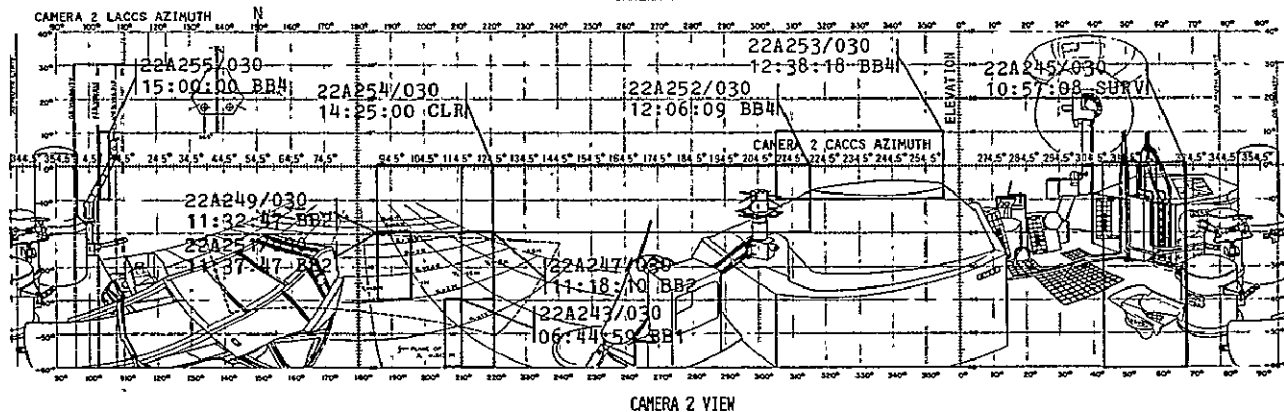
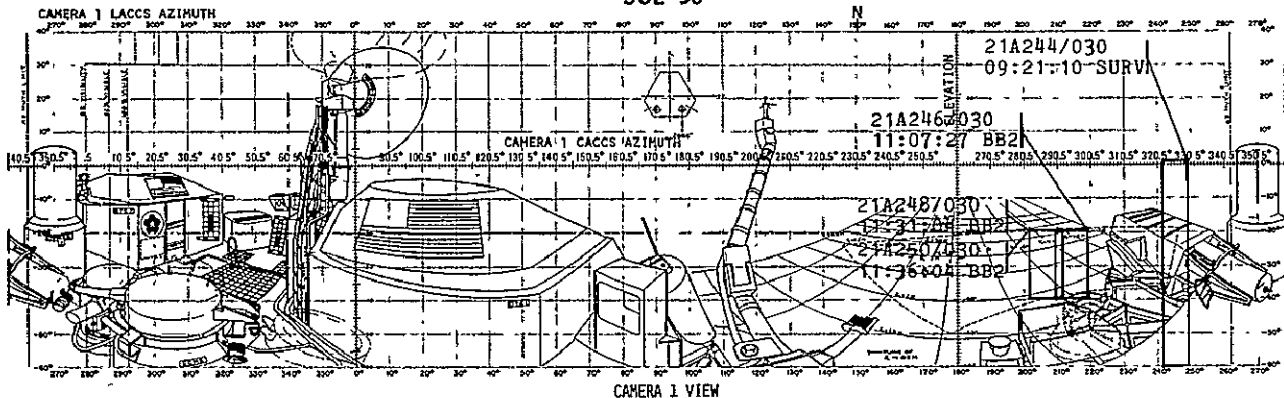


CAMERA 1 VIEW



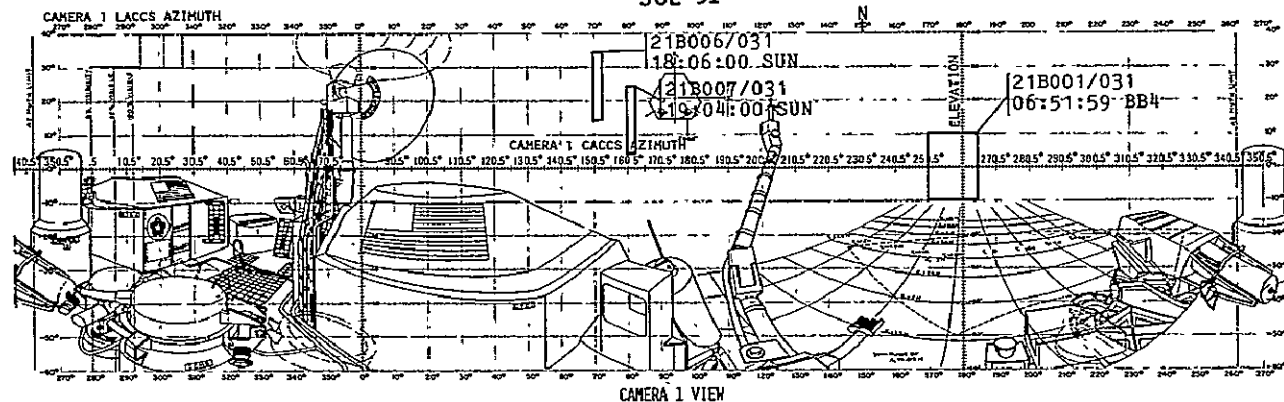
CAMERA 2 VIEW

VL-2
SOL 30

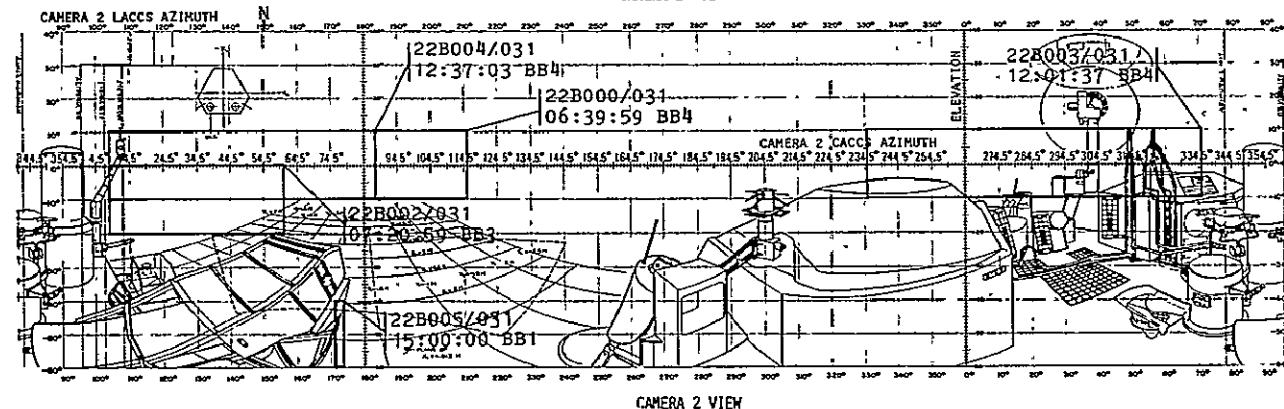


CAMERA 2 VIEW

SOL 31

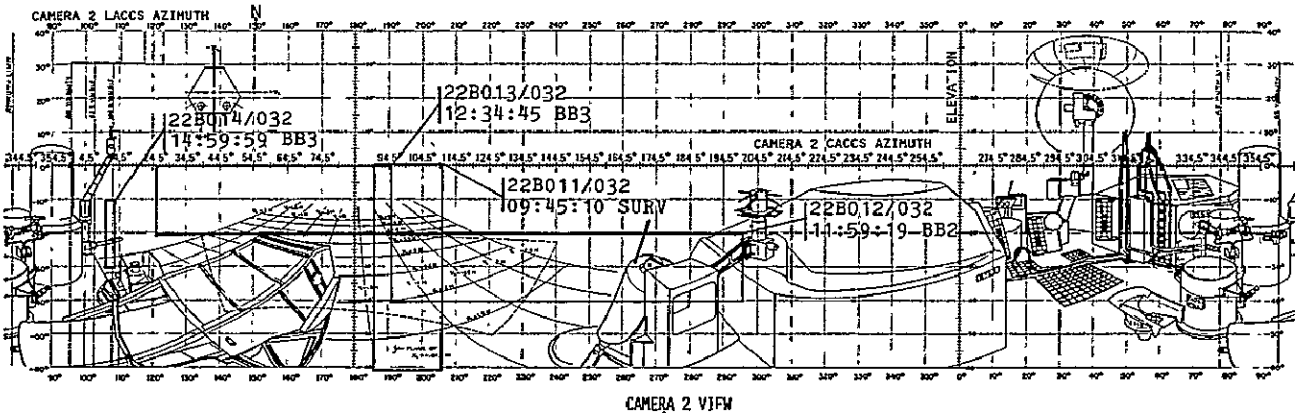
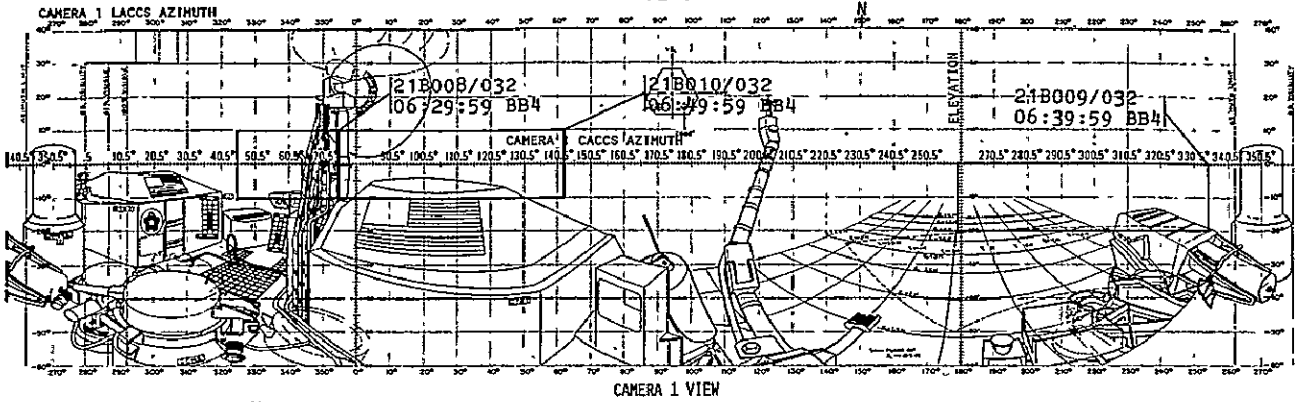


CAMERA 1 VIEW

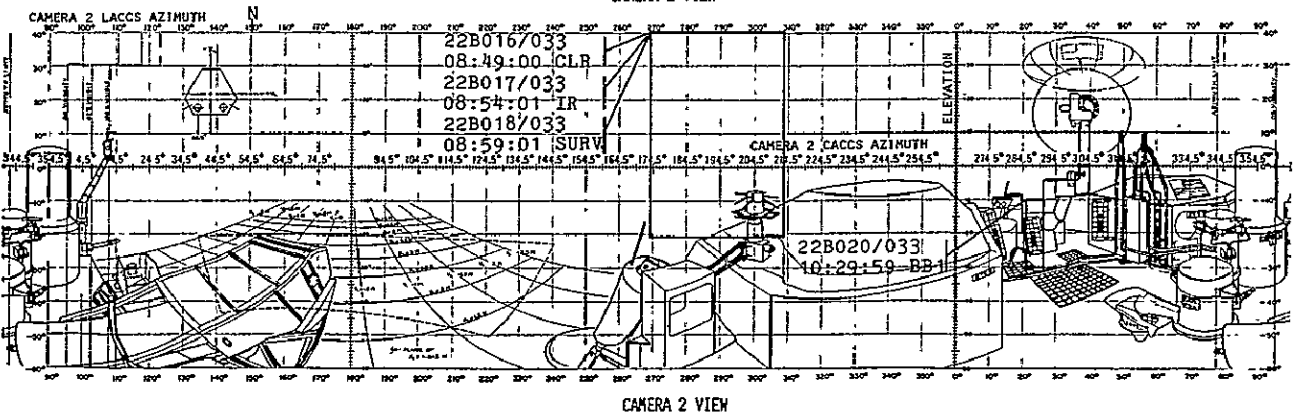
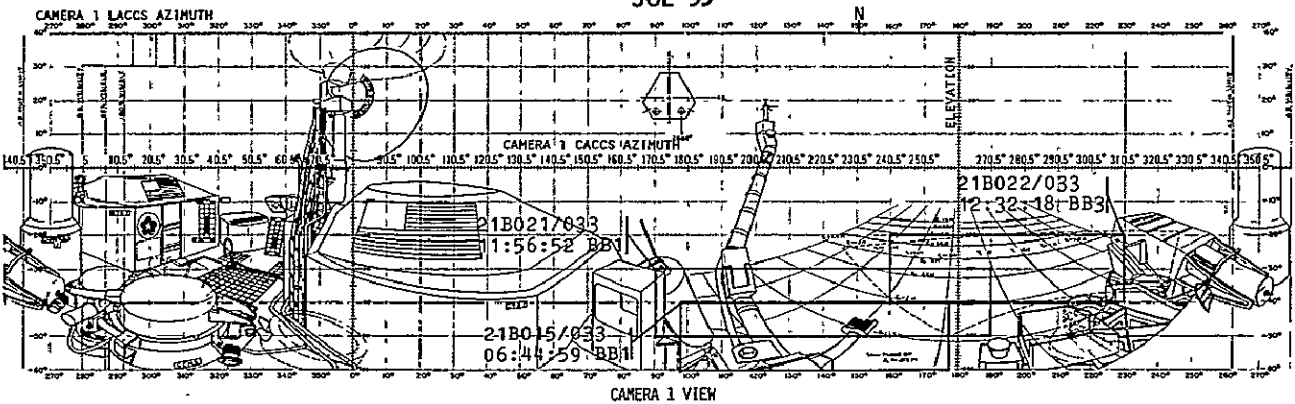


CAMERA 2 VIEW

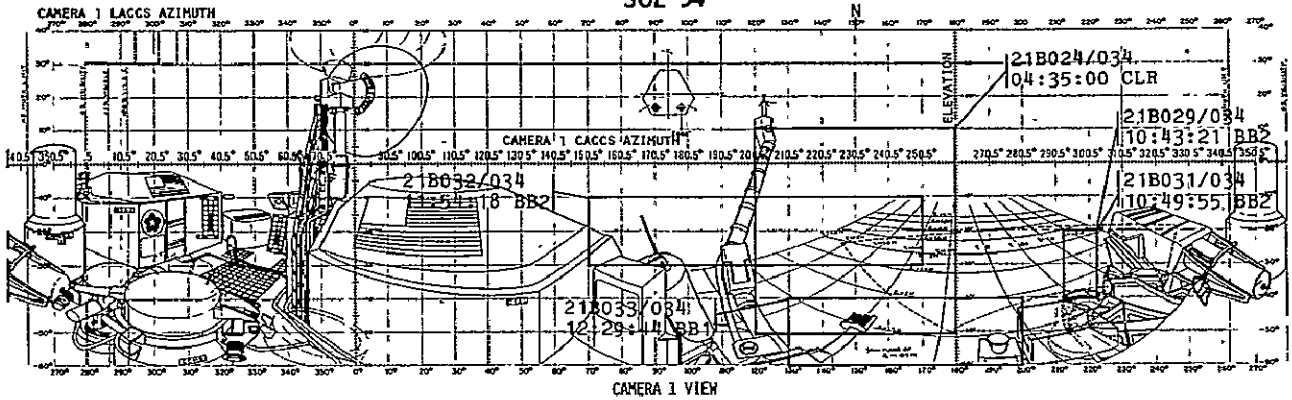
VL-2
SOL 32



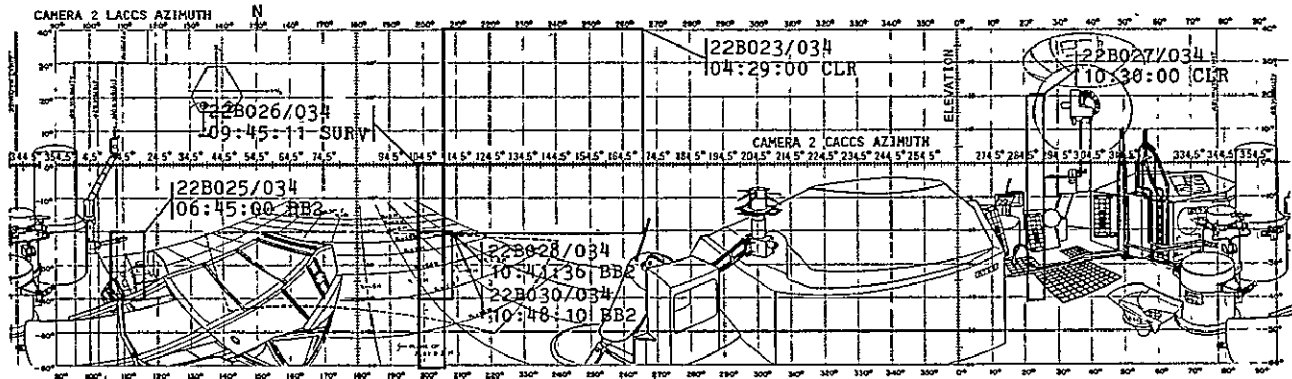
SOL 33



VL-2
SOL 34

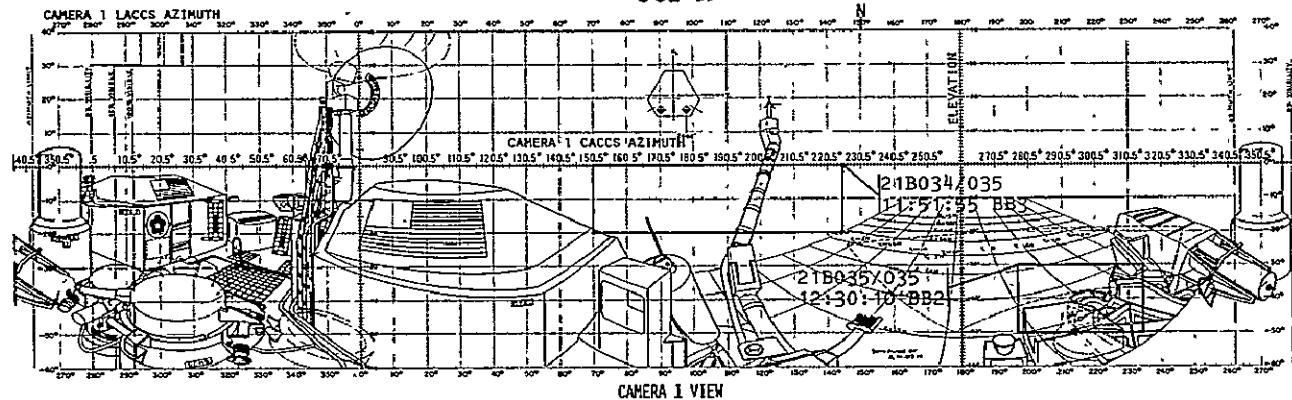


CAMERA 1 VIEW

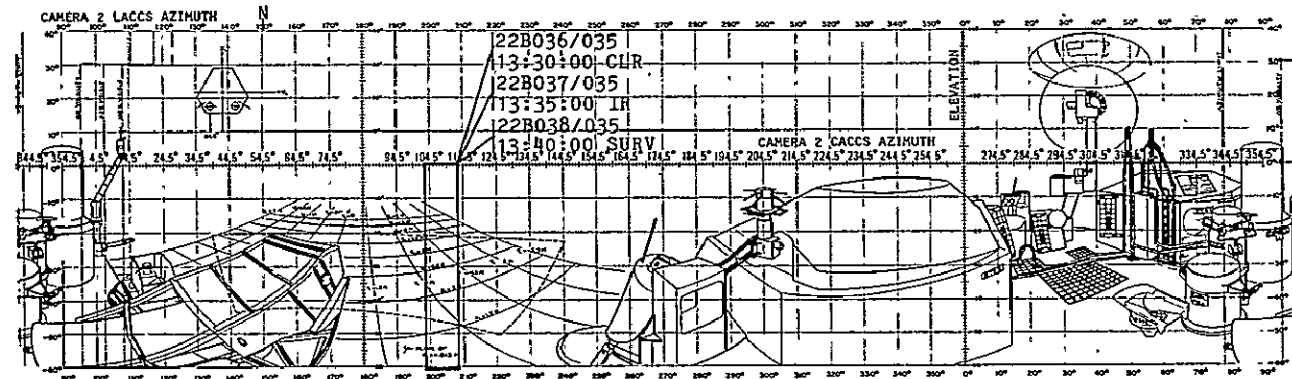


CAMERA 2 VIEW

SOL 35

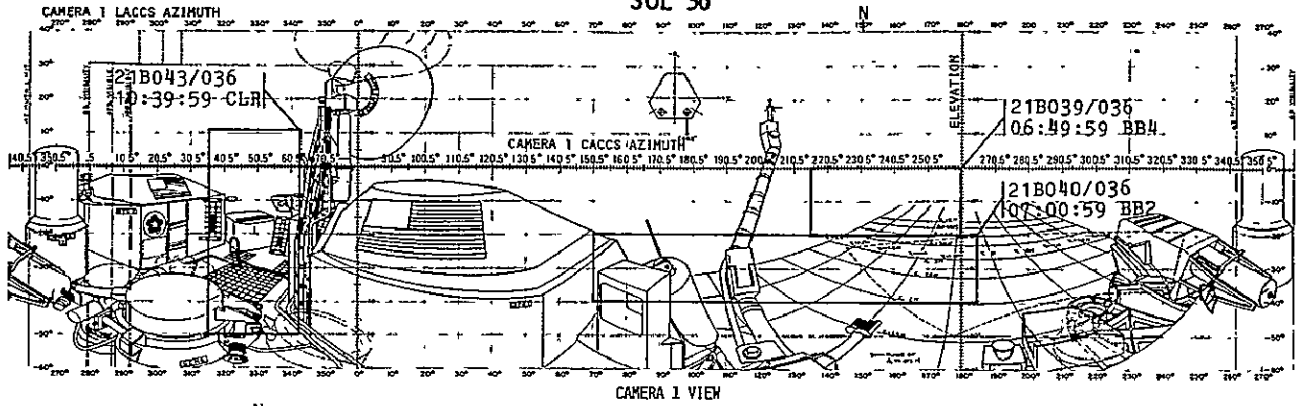


CAMERA 1 VIEW

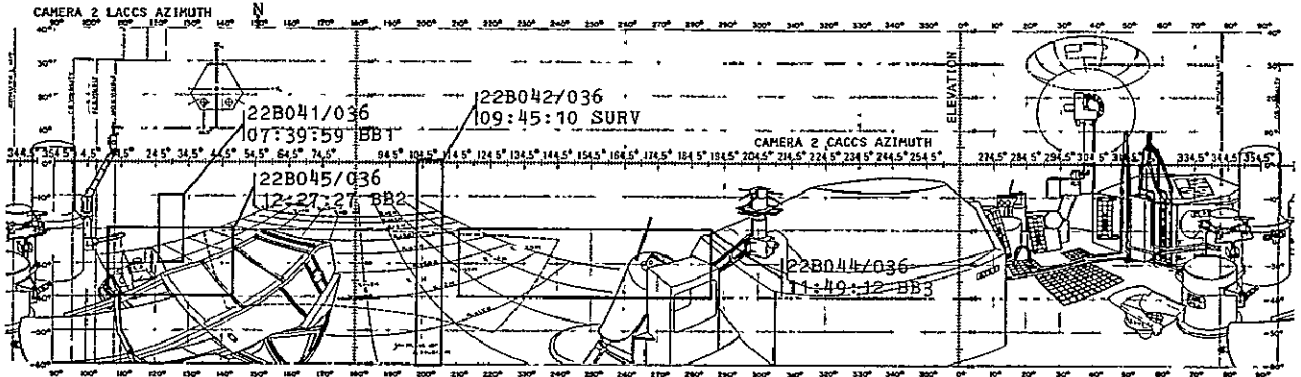


CAMERA 2 VIEW

VL-2
SOL 36

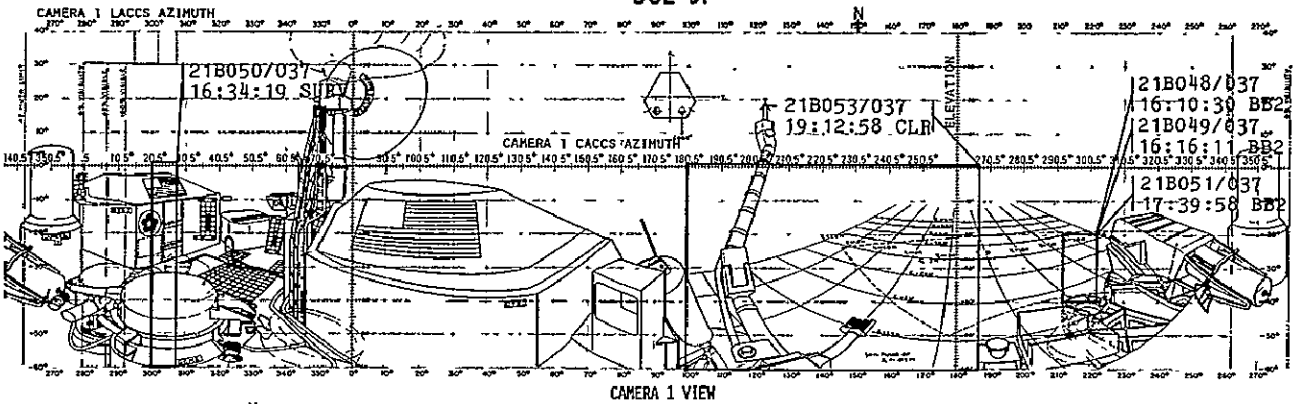


CAMERA 1 VIEW

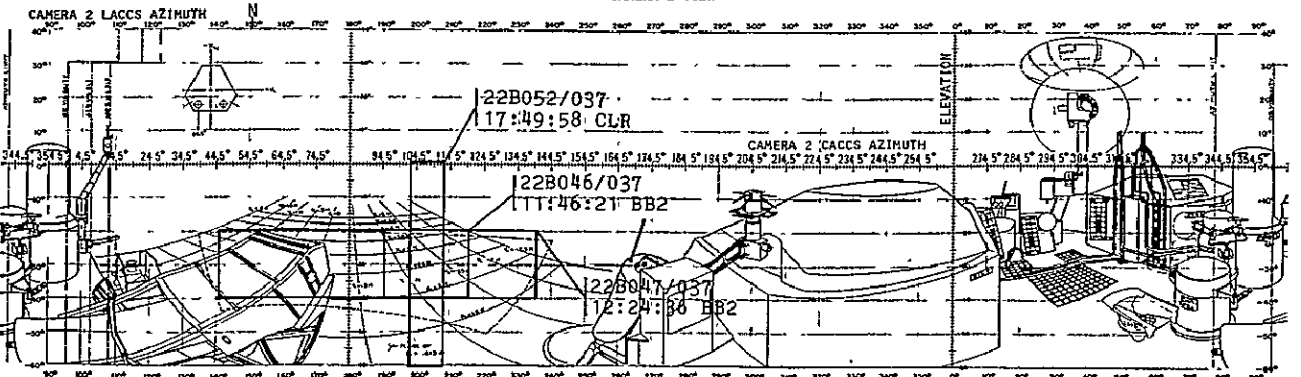


CAMERA 2 VIEW

SOL 37

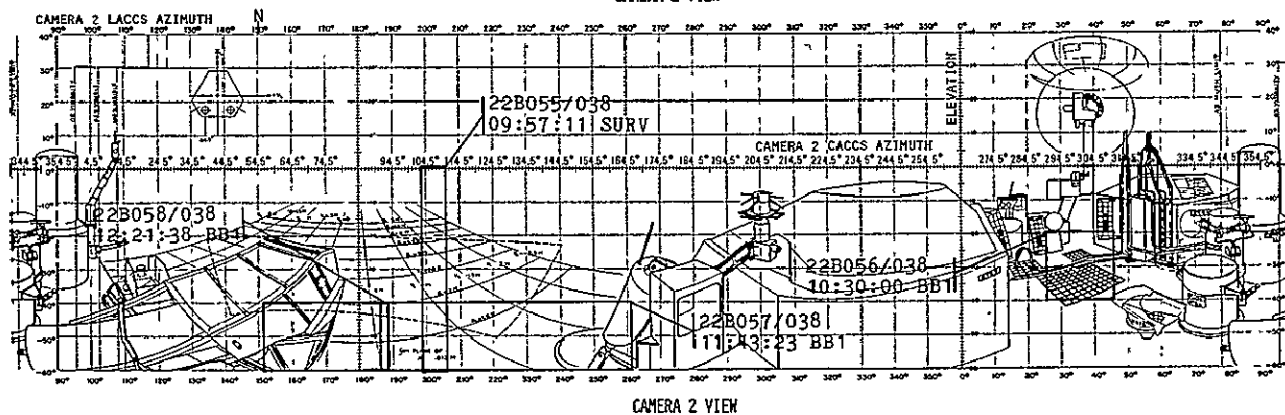
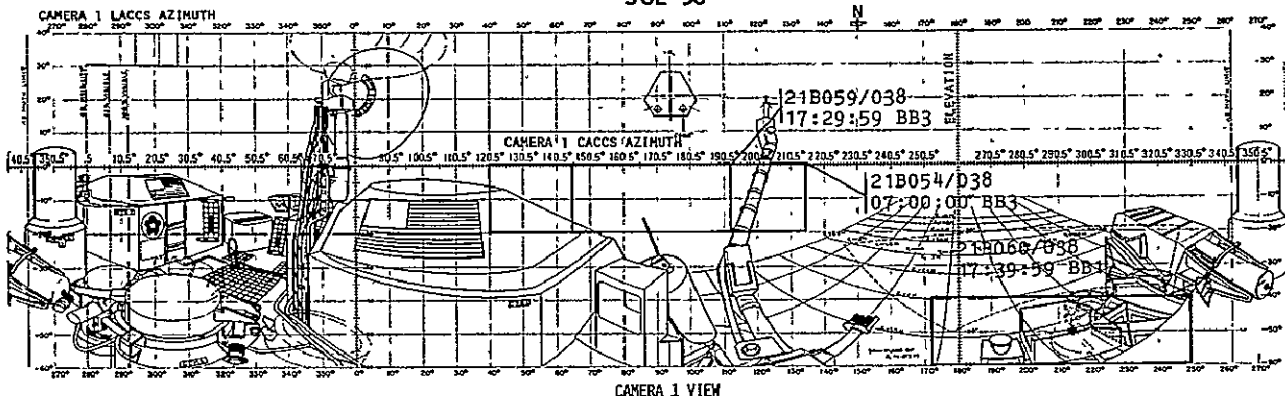


CAMERA 1 VIEW

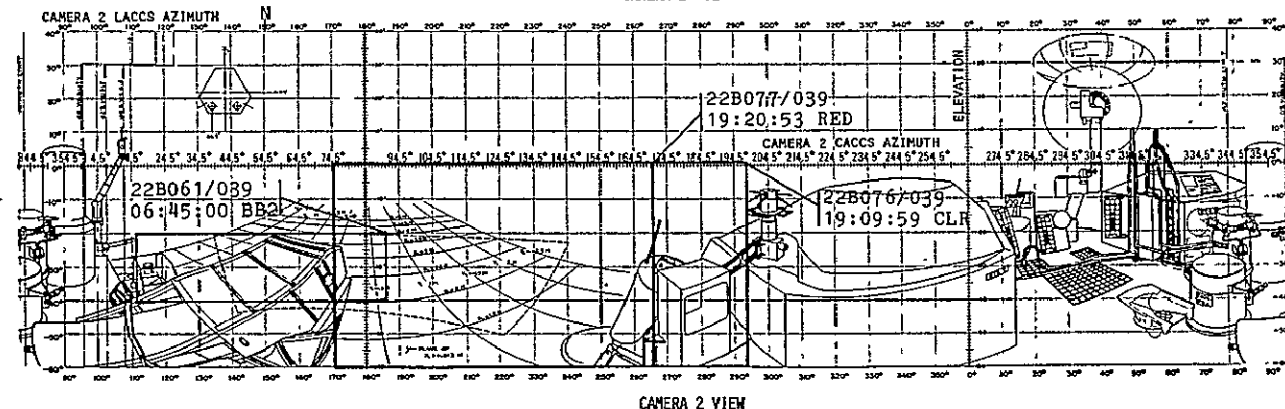
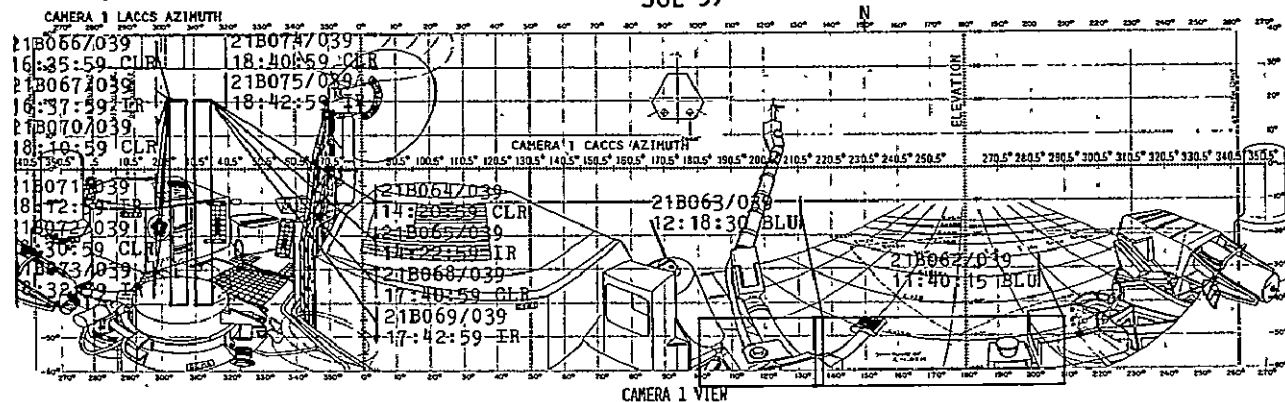


CAMERA 2 VIEW

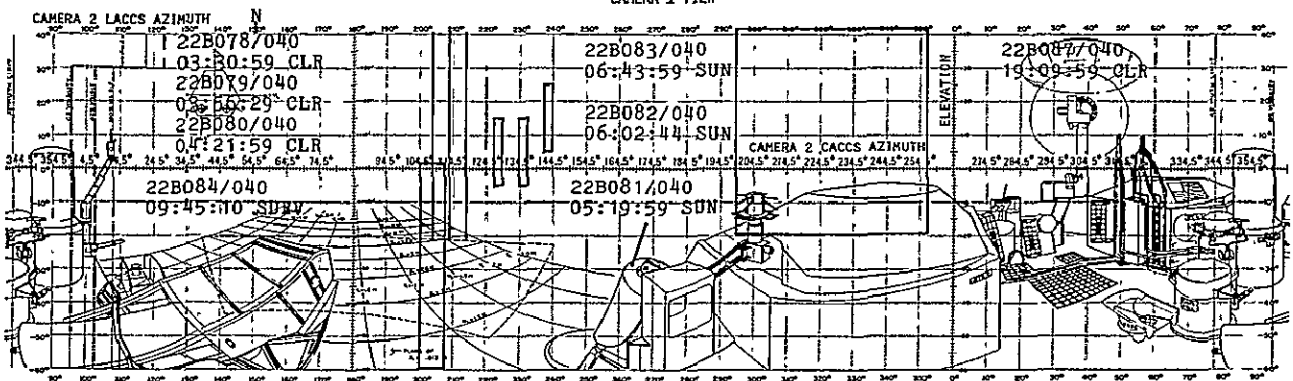
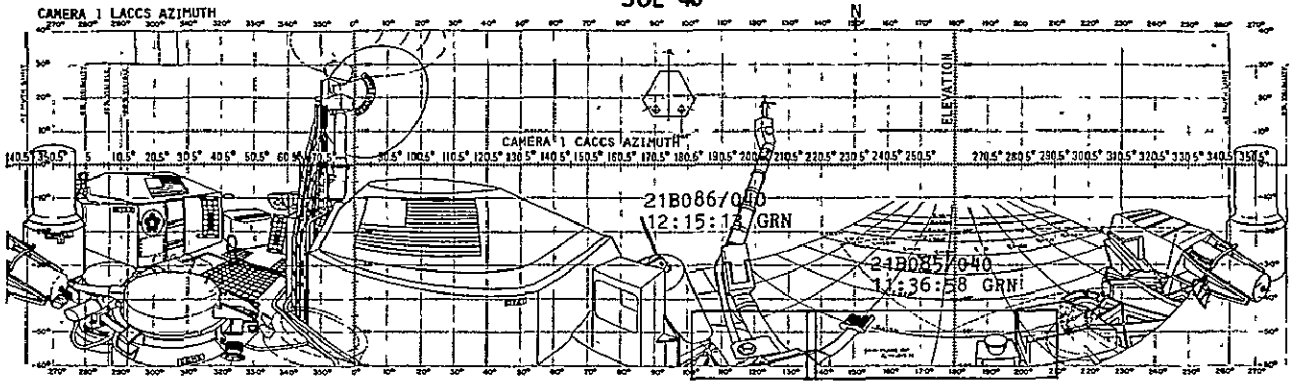
VL-2
SOL 38



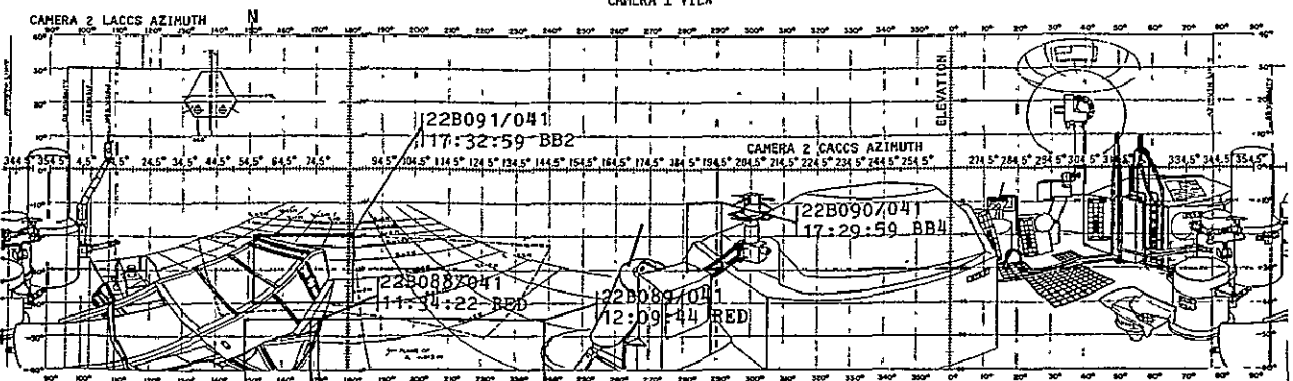
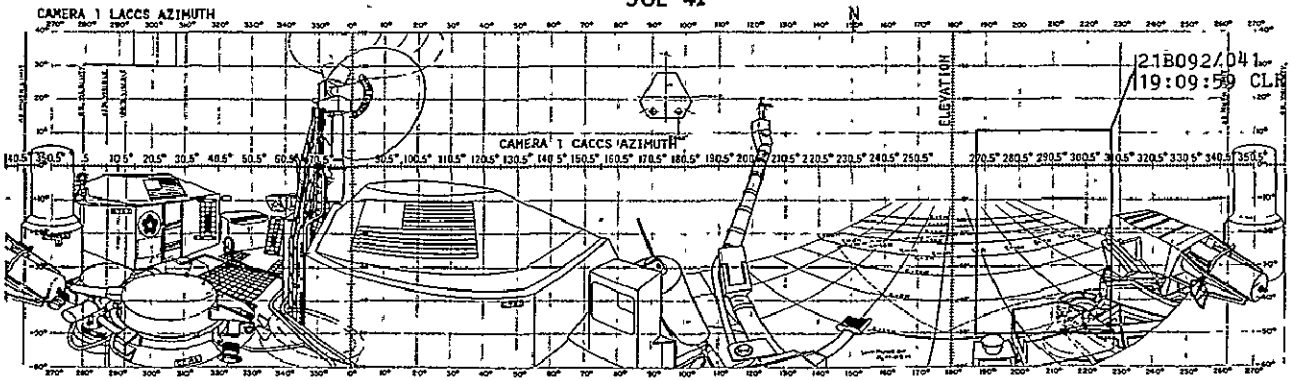
SOL 39



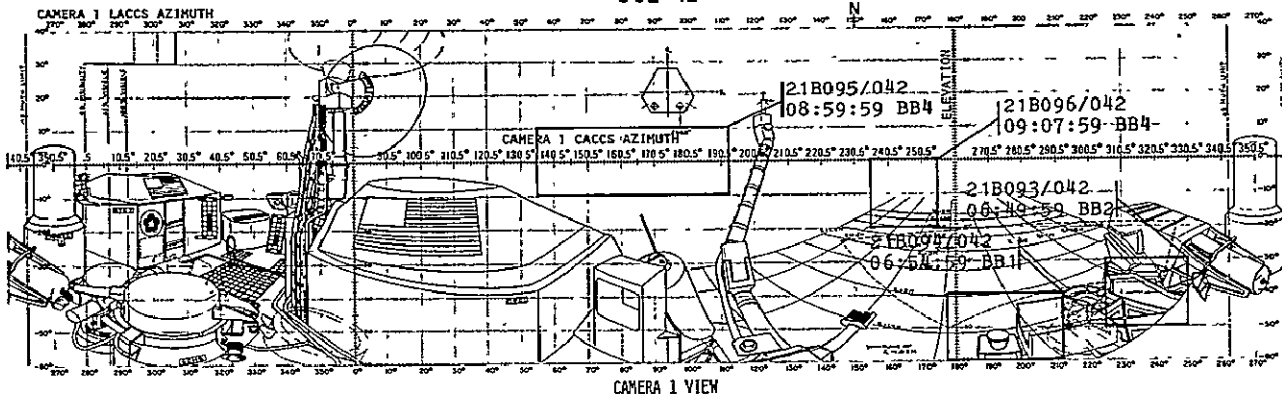
VL-2
SOL 40



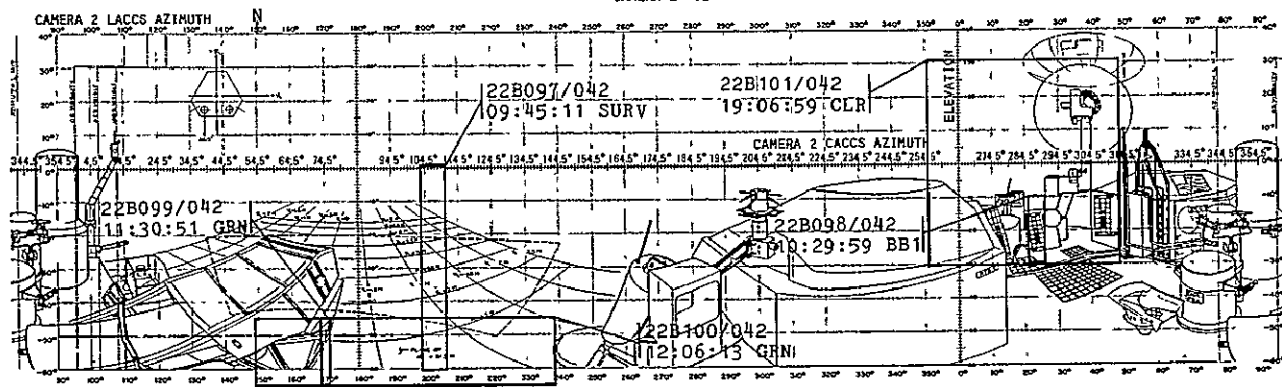
SOL 41



VL-2
SOL 42

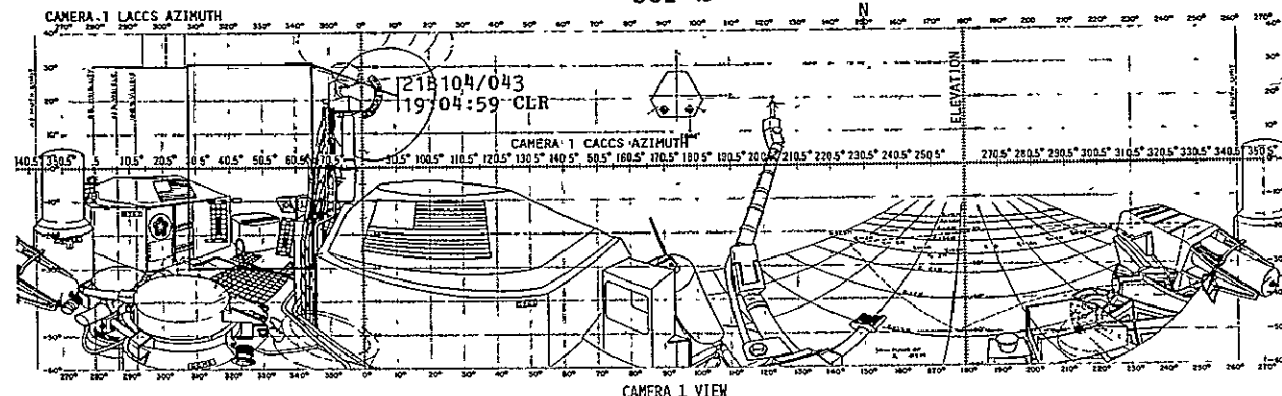


CAMERA 1 VIEW

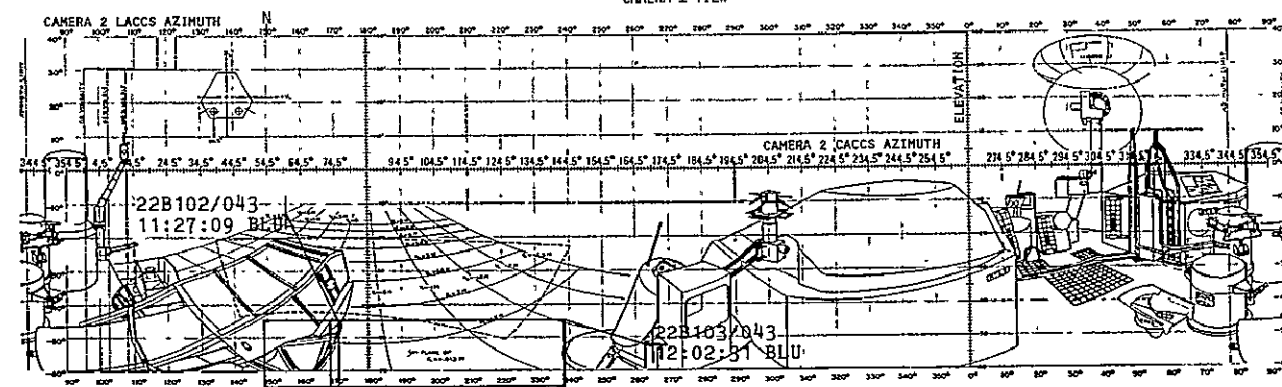


CAMERA 2 VIEW

SOL 43

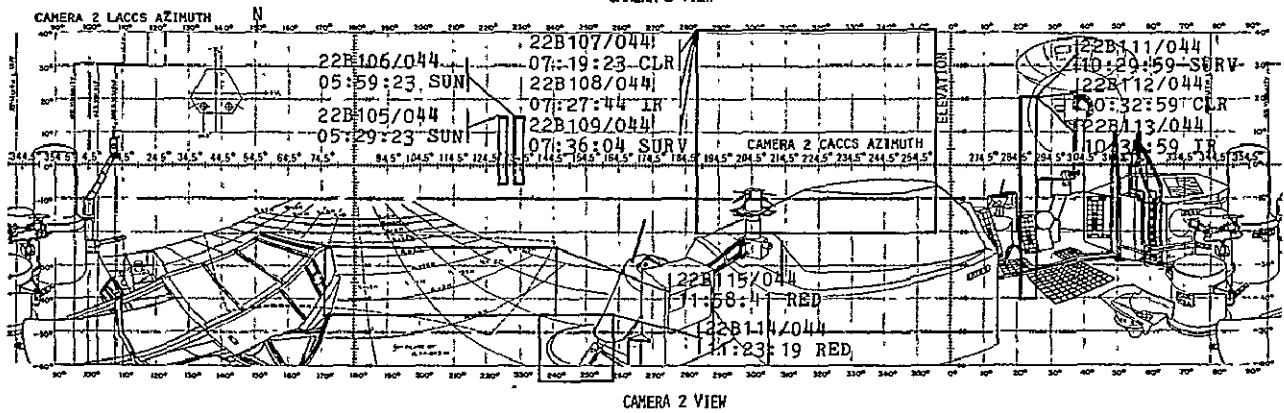
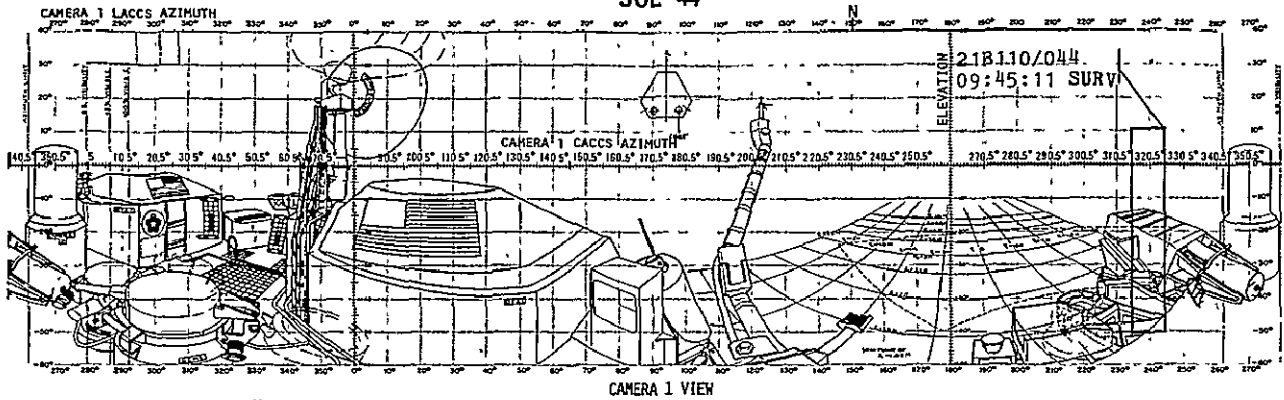


CAMERA 1 VIEW

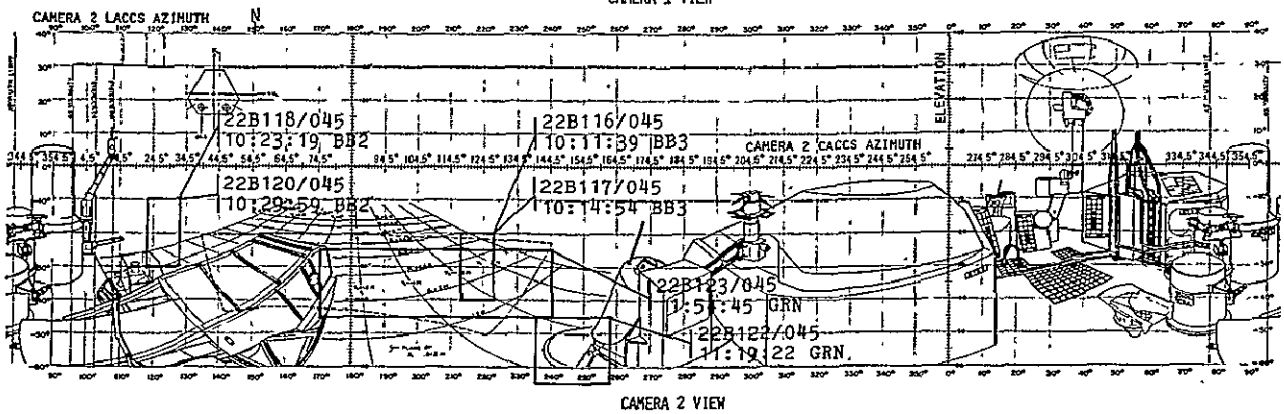
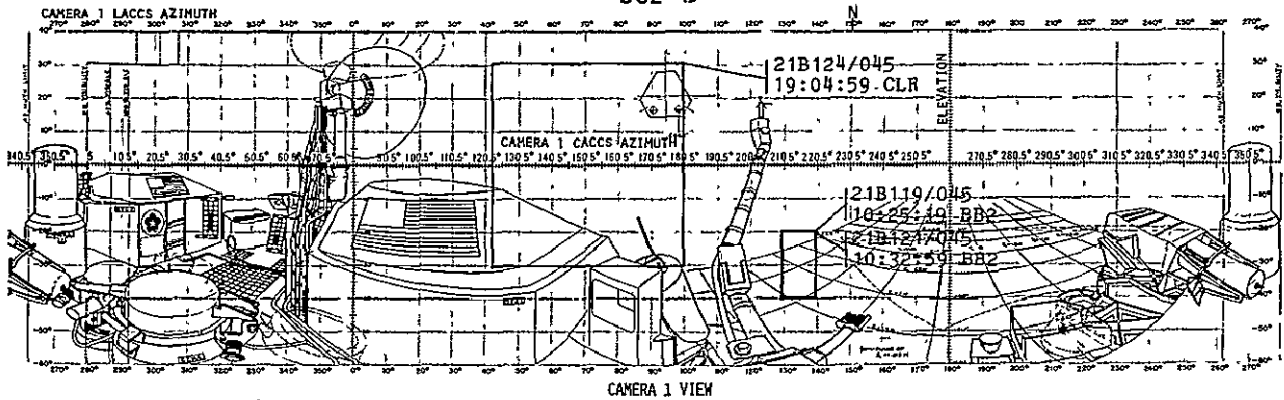


CAMERA 2 VIEW

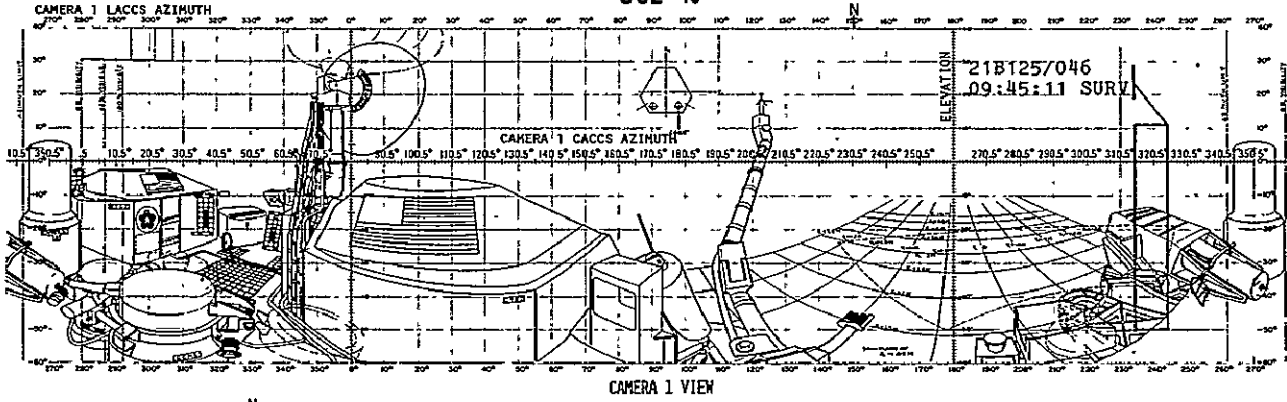
VL-2
SOL 44



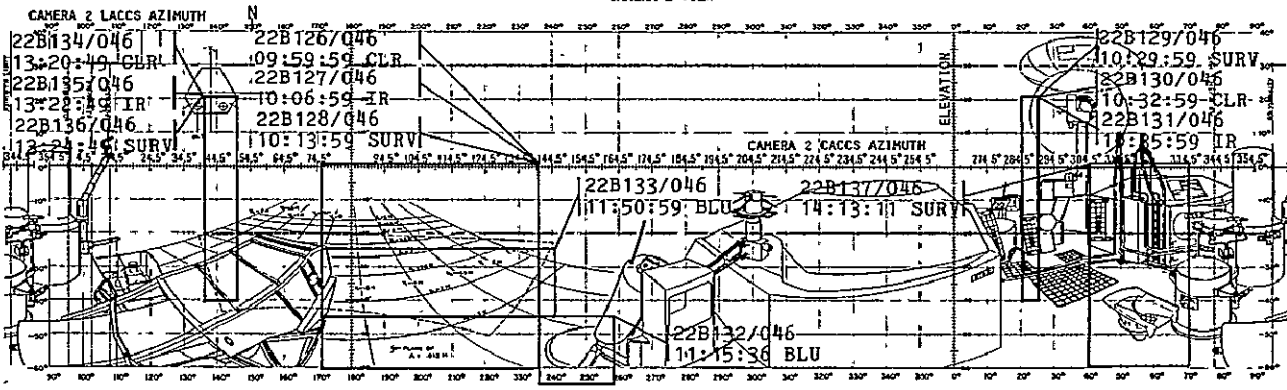
SOL 45



VL-2
SOL 46

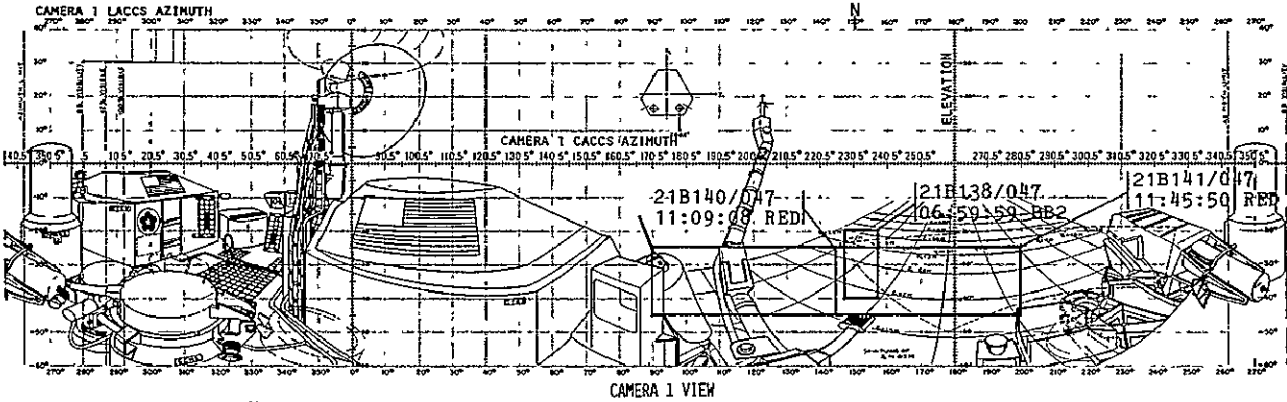


CAMERA 1 VIEW

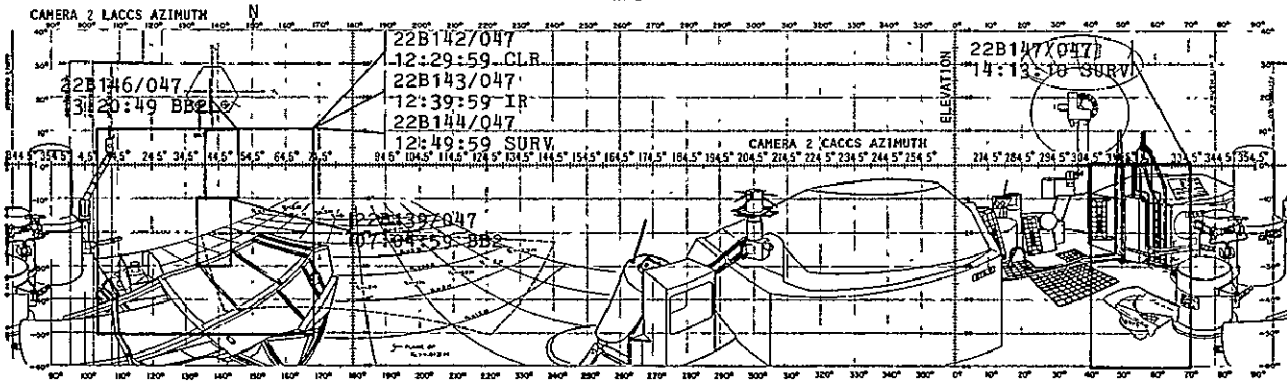


CAMERA 2 VIEW

SOL 47

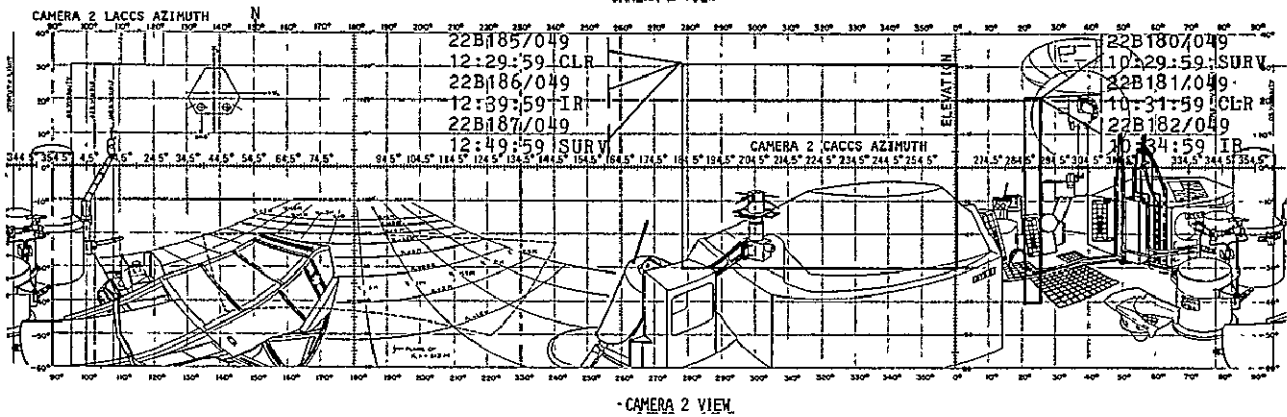
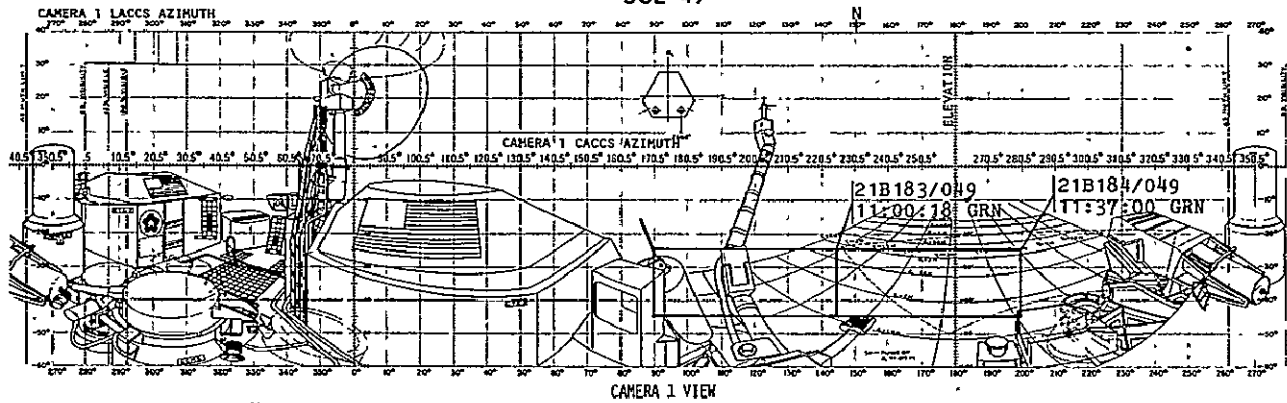


CAMERA 1 VIEW

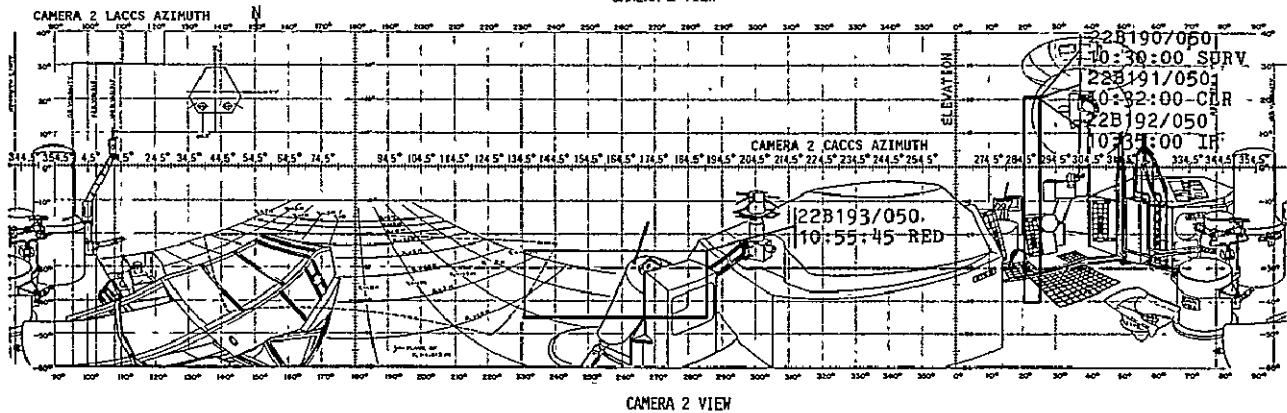
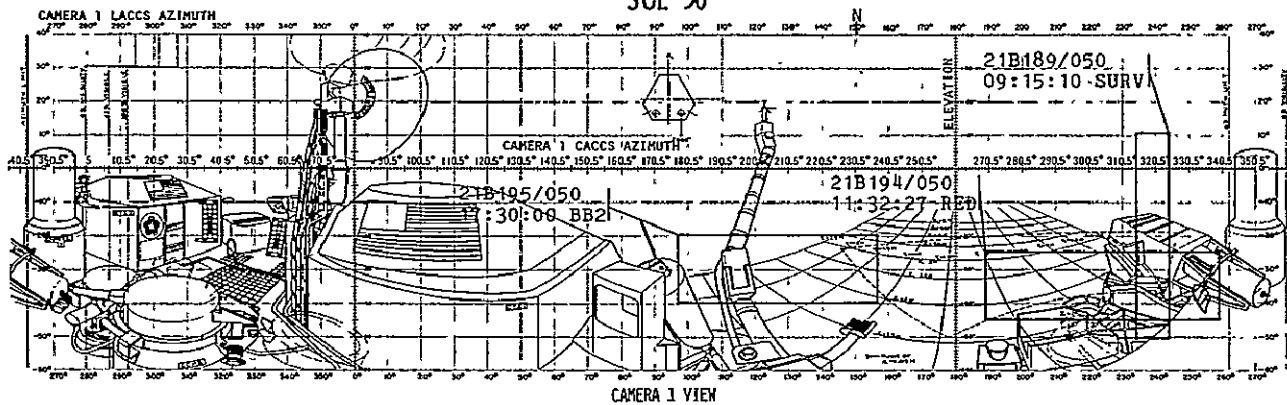


CAMERA 2 VIEW

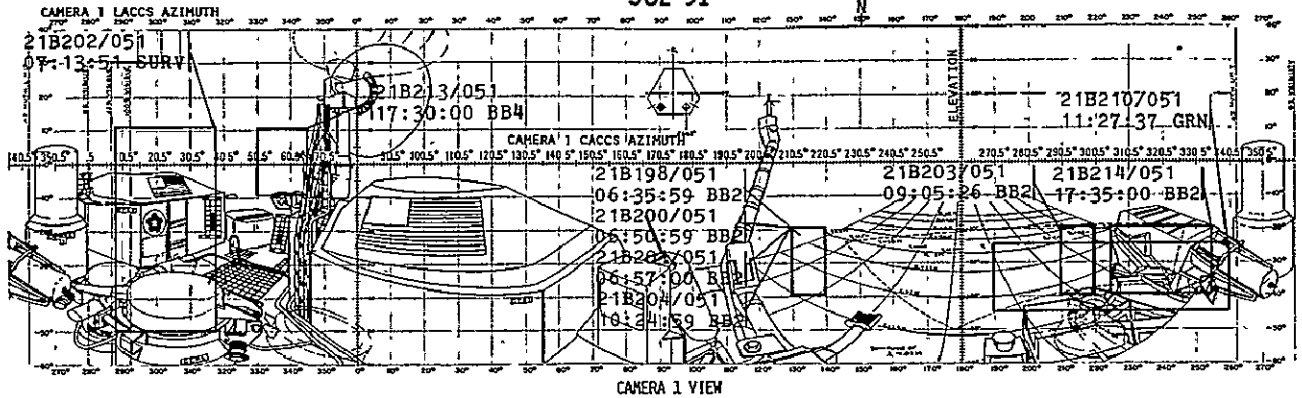
VL-2
SOL 49



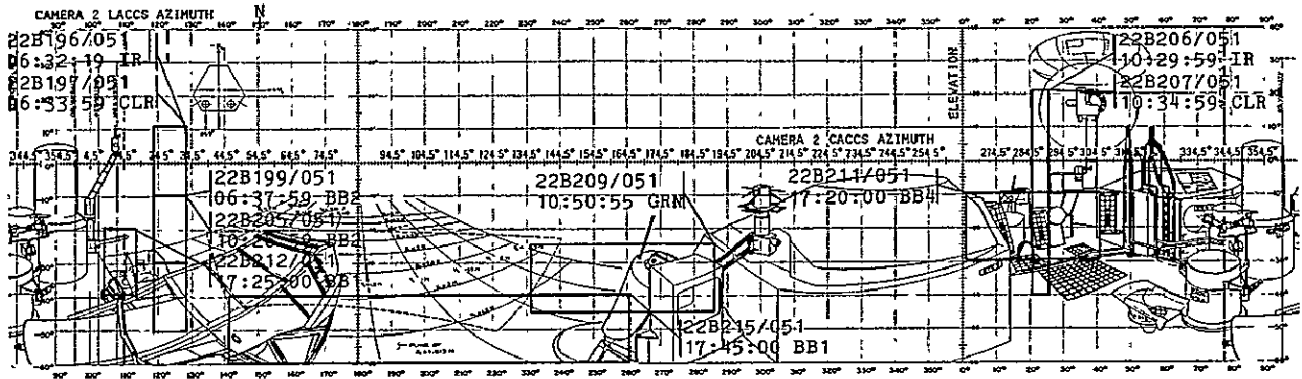
SOL 50



VL-2
SOL 51

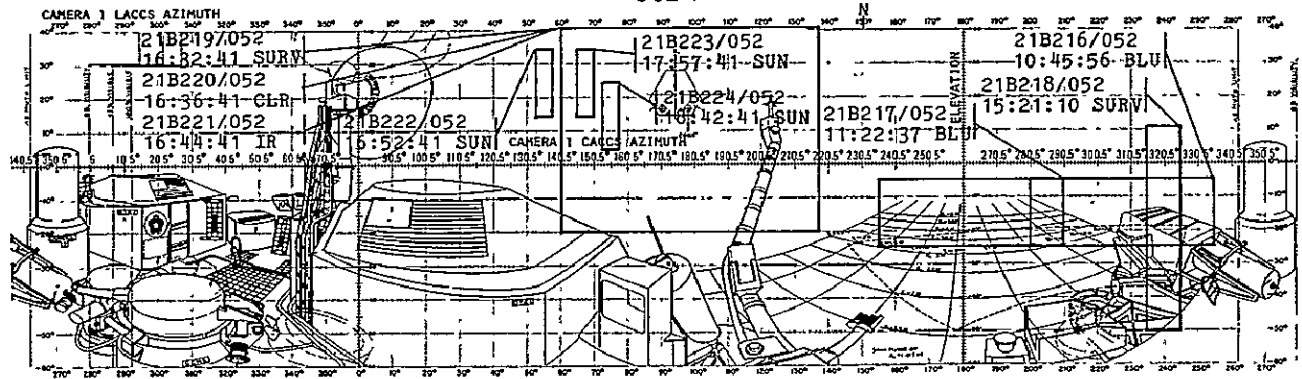


CAMERA 1 VIEW

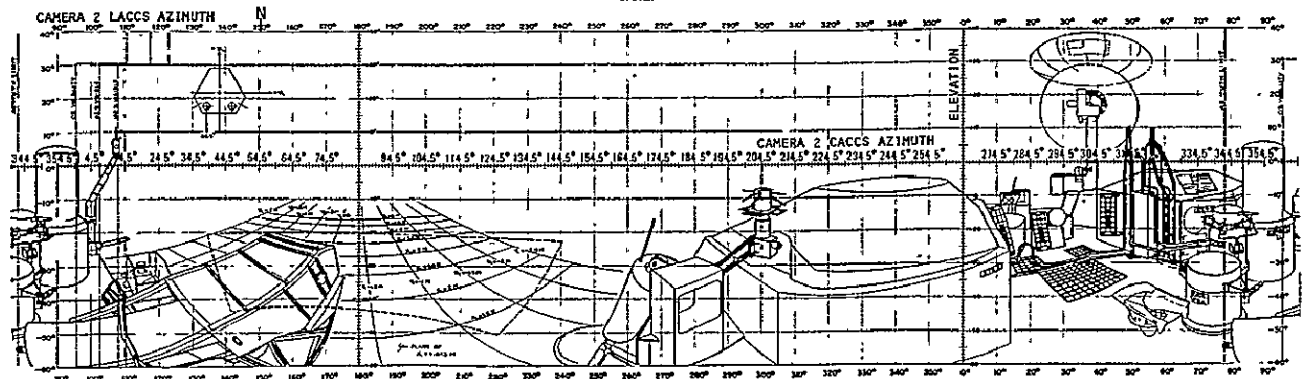


CAMERA 2 VIEW

SOL 52

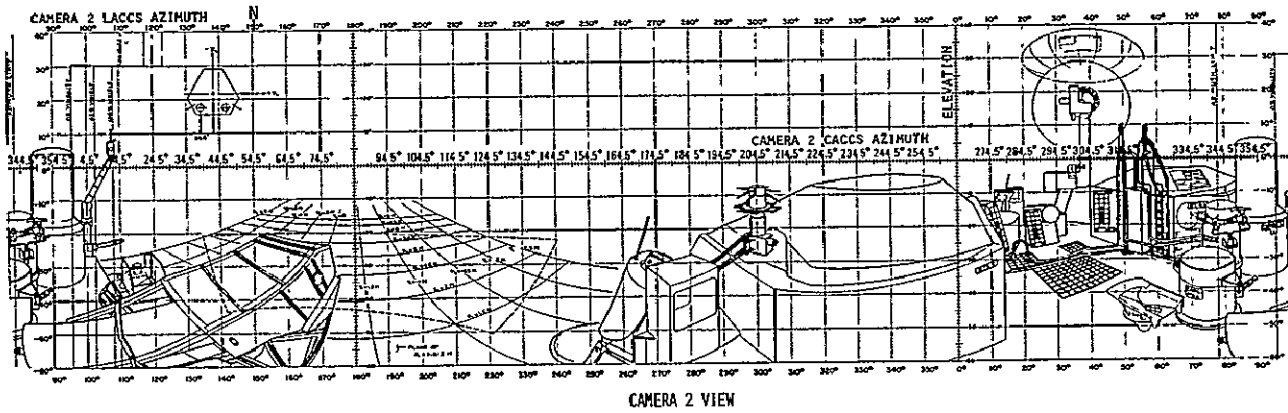
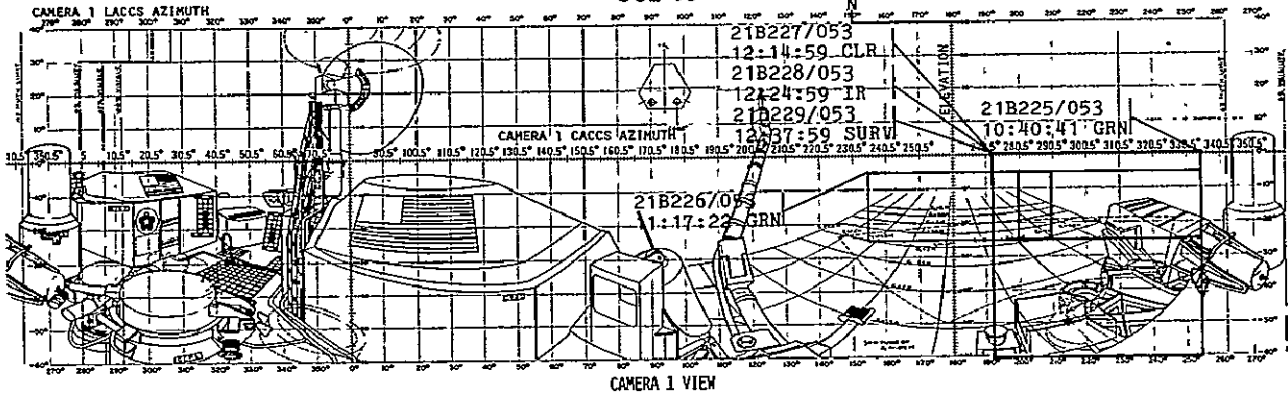


CAMERA 1 VIEW

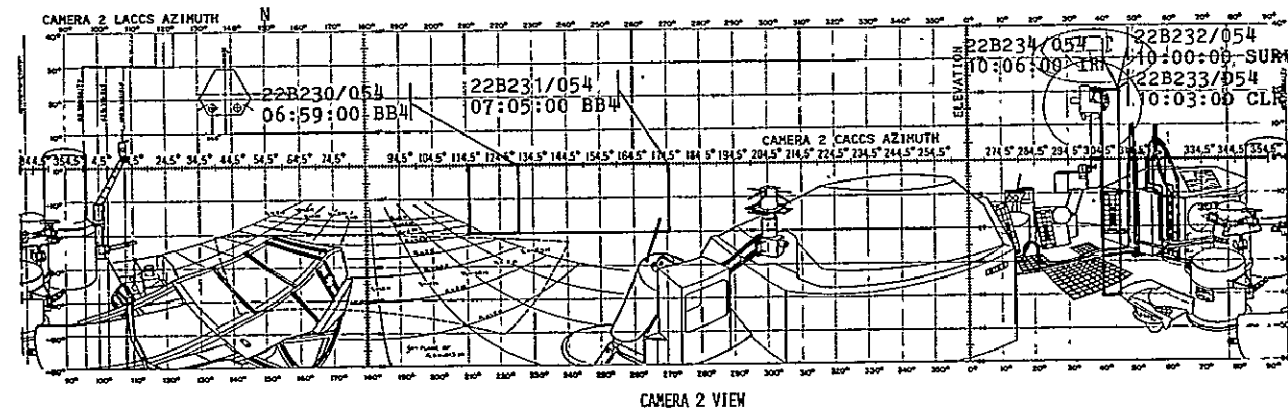
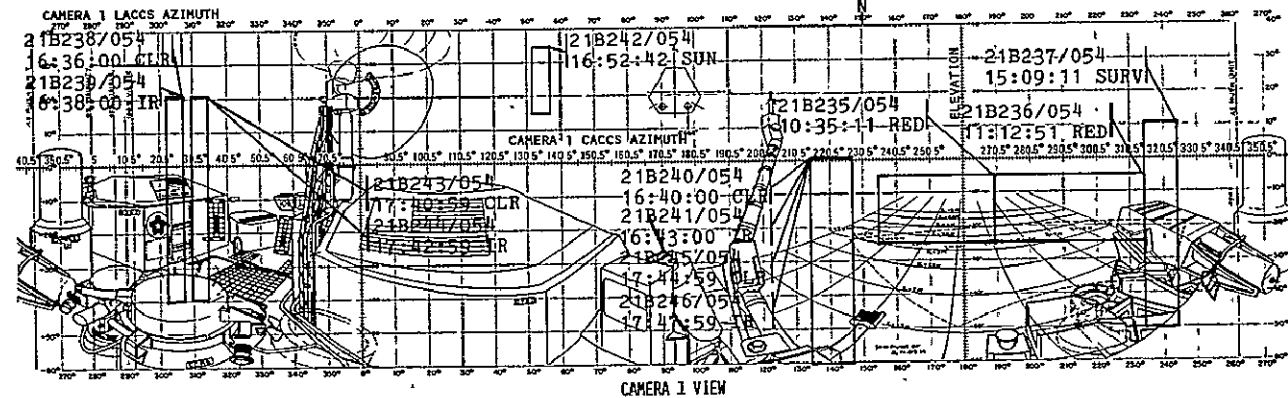


CAMERA 2 VIEW

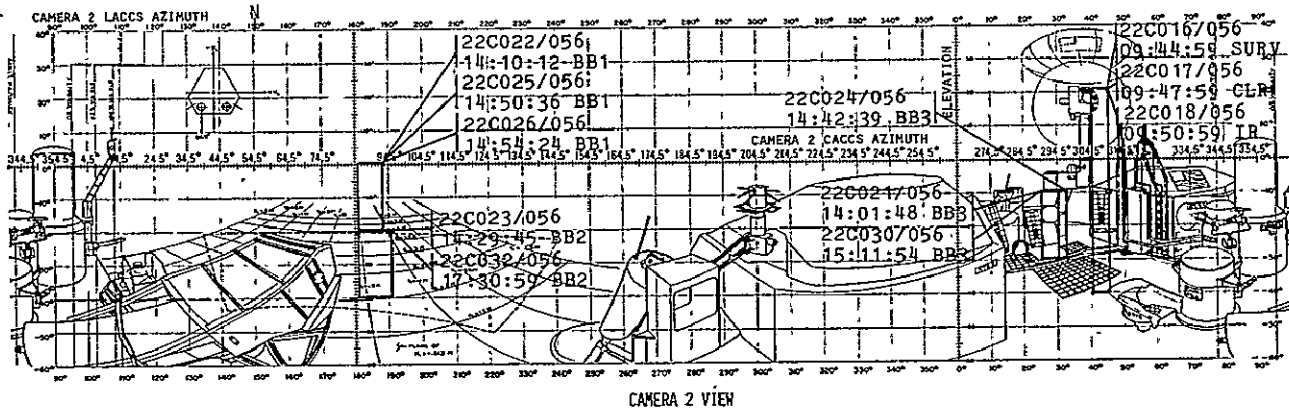
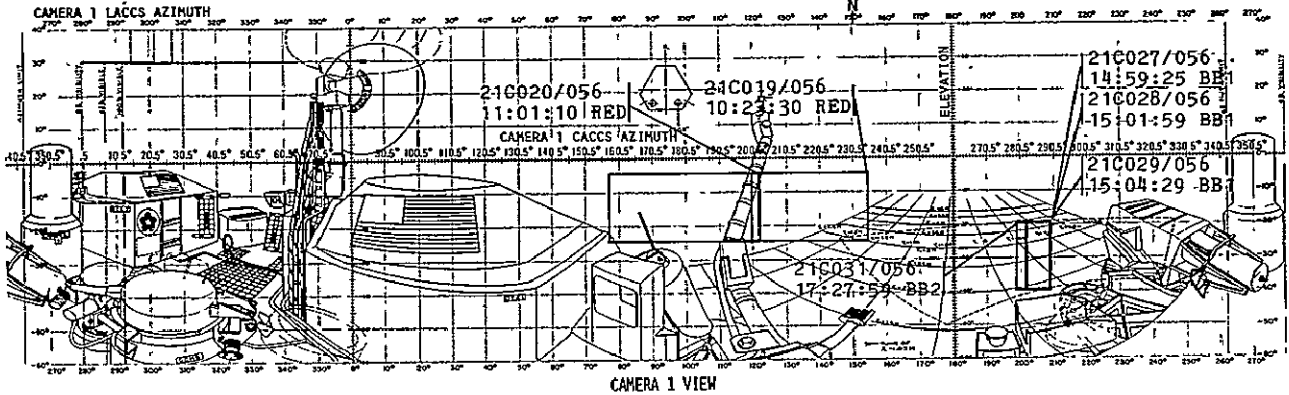
VL-2
SOL 53



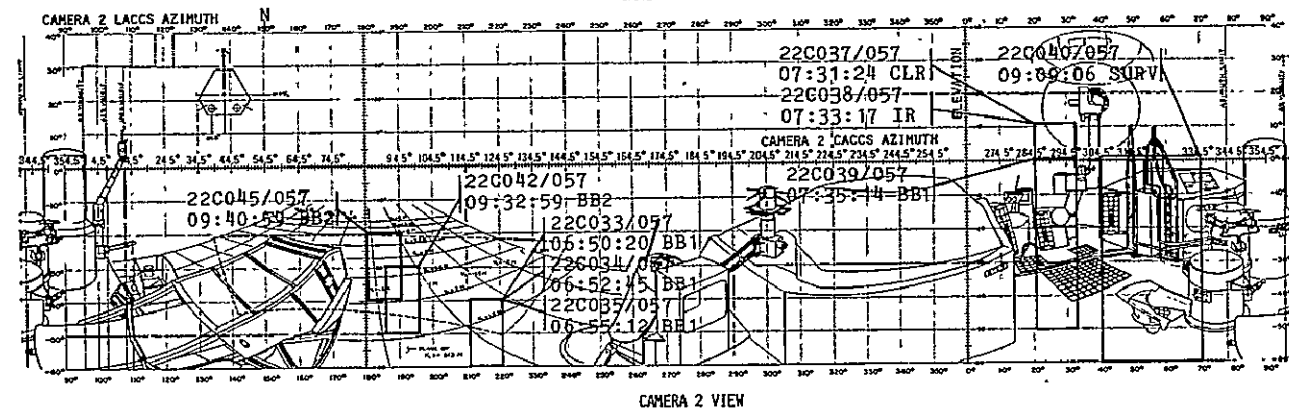
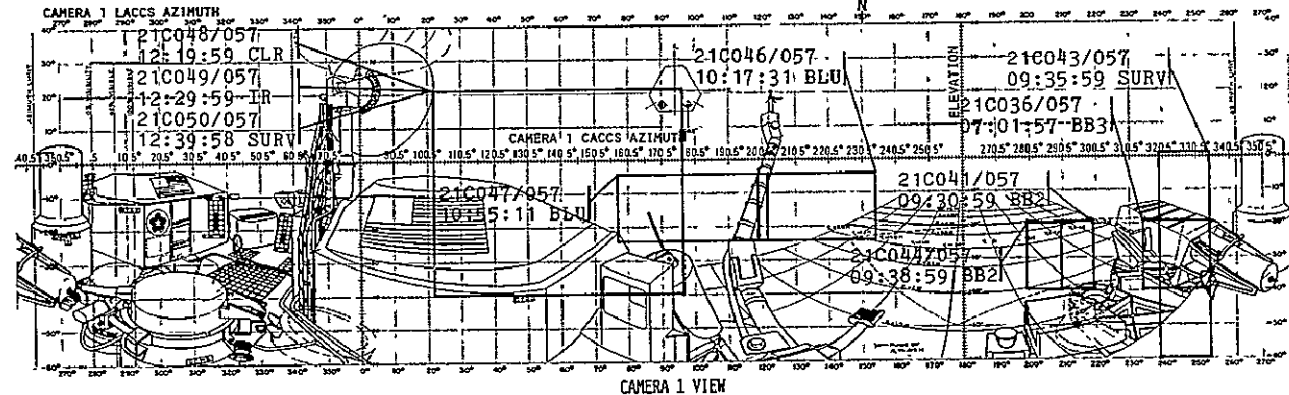
SOL 54



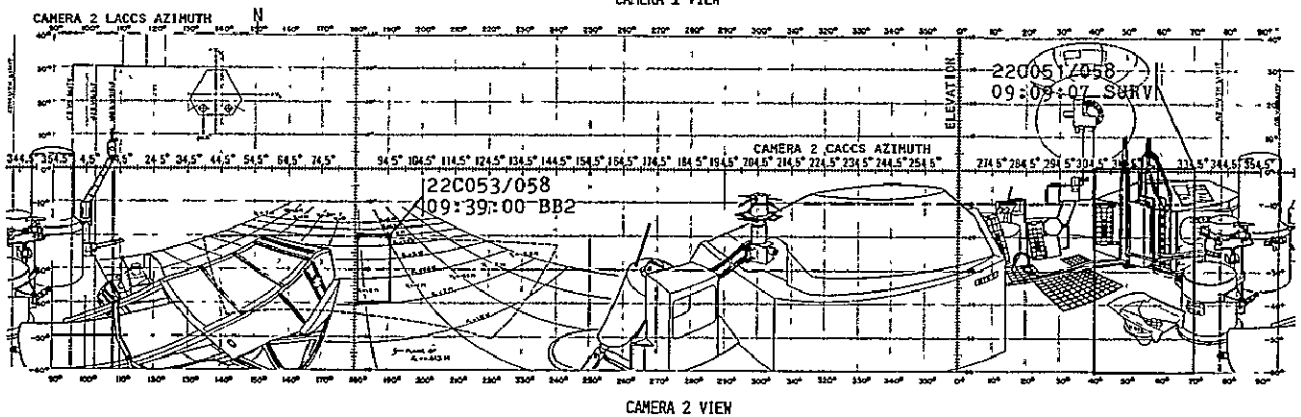
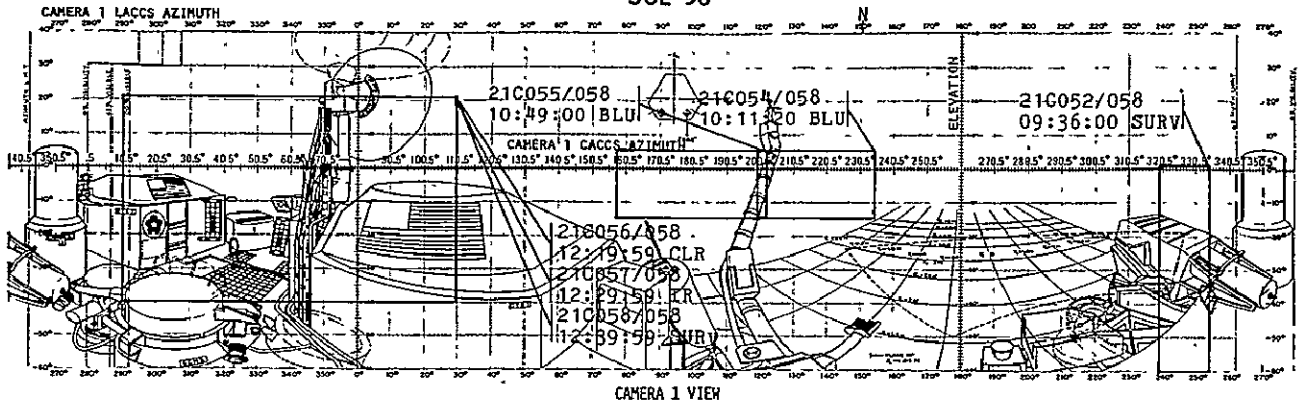
VI-2
SOL 56



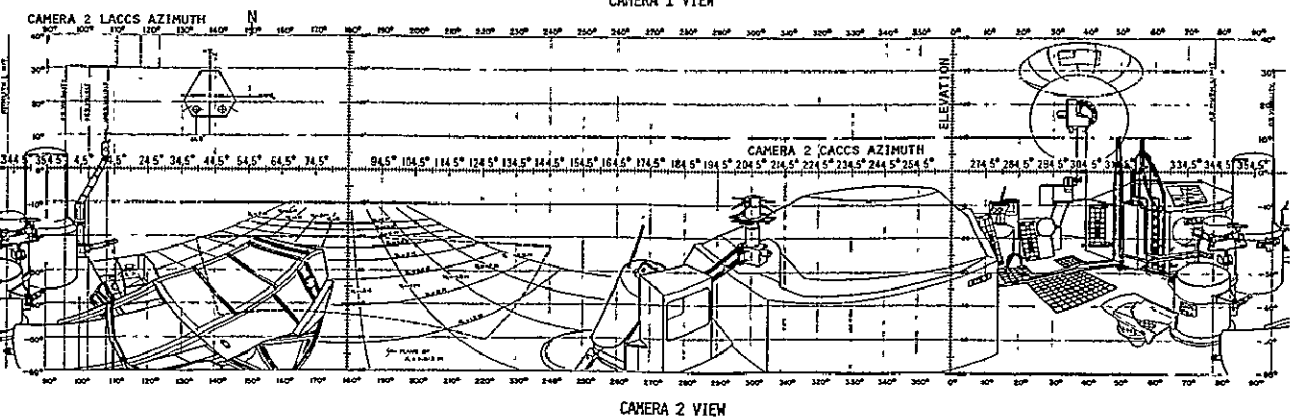
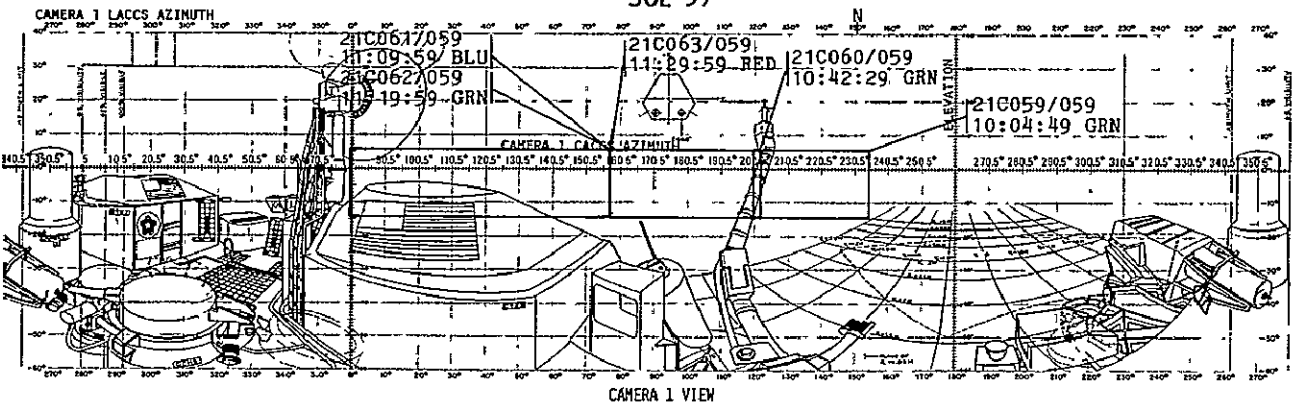
SOL 57



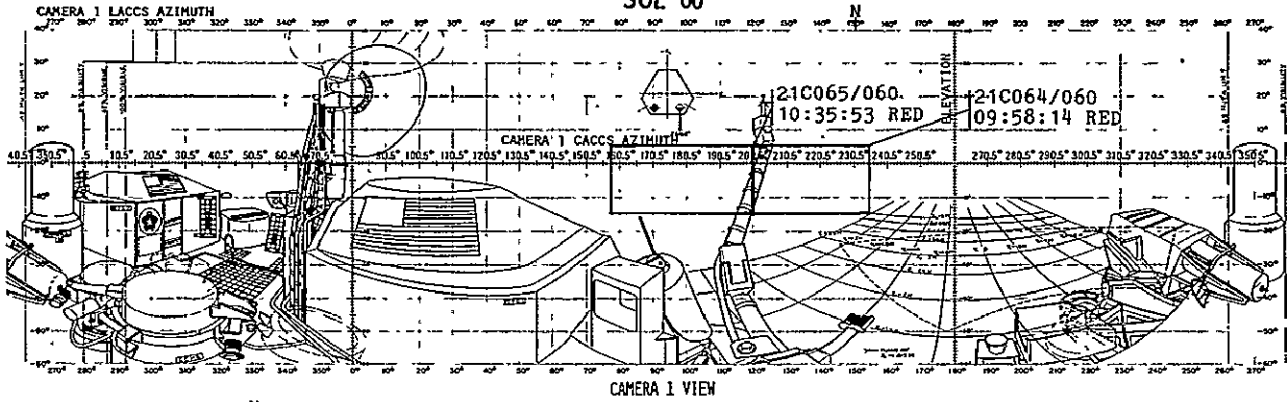
VL-2
SOL 58



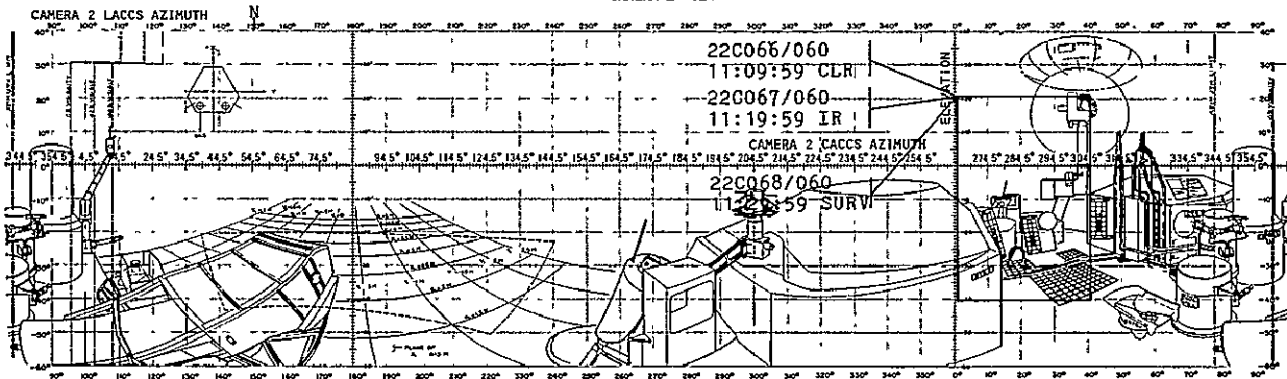
SOL 59



VL-2
SOL 60

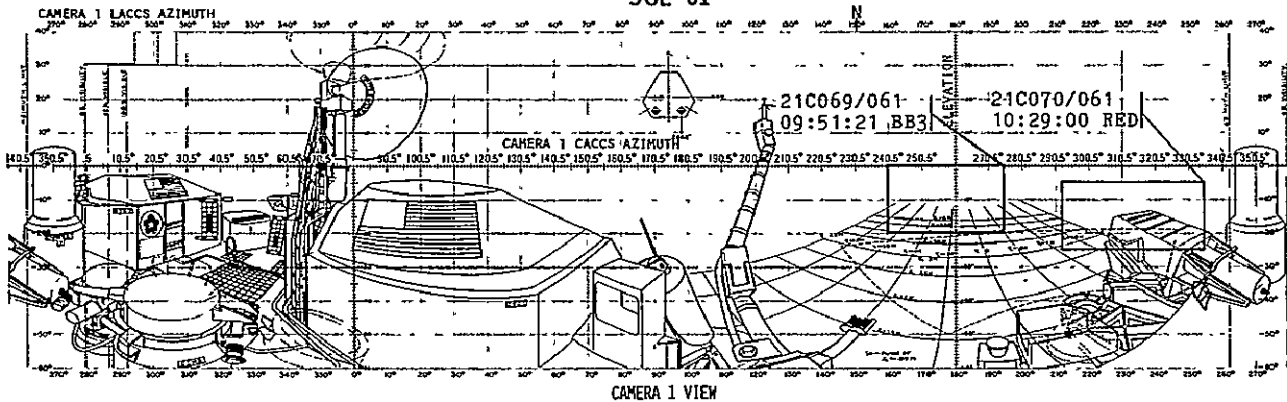


CAMERA 1 VIEW

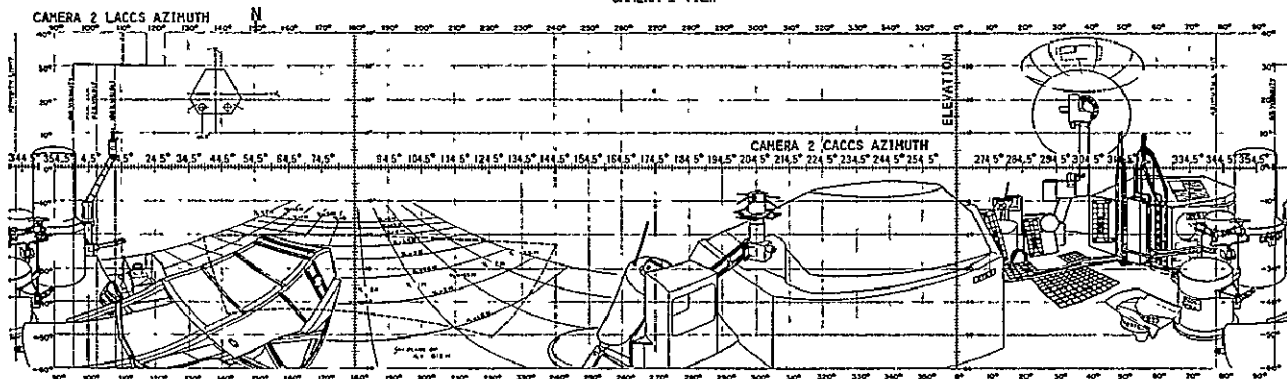


CAMERA 2 VIEW

SOL 61



CAMERA 1 VIEW



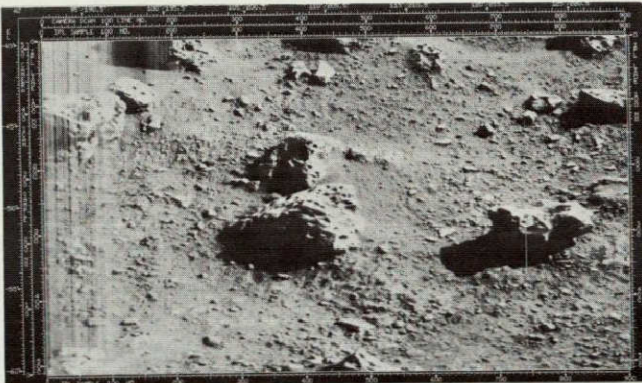
CAMERA 2 VIEW

VL-2 EDR IMAGES

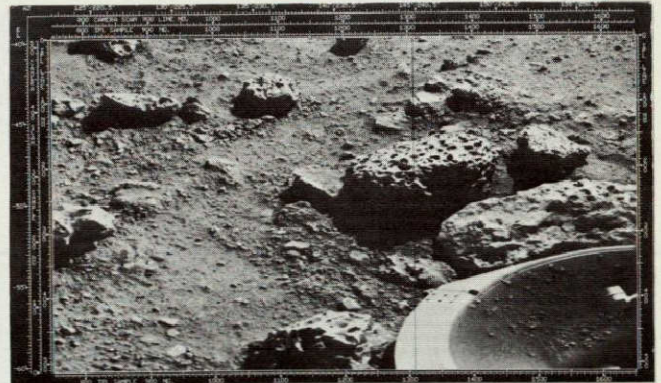
VL-2 EDR IMAGES

This section contains the experiment data record images for VL-2. The format for these image displays is described in the section "Viking Lander Experiment Data Record Images for Primary Mission."

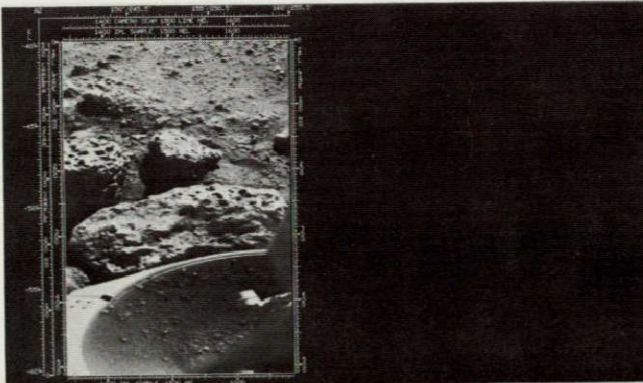
22A001/000-22A002/000



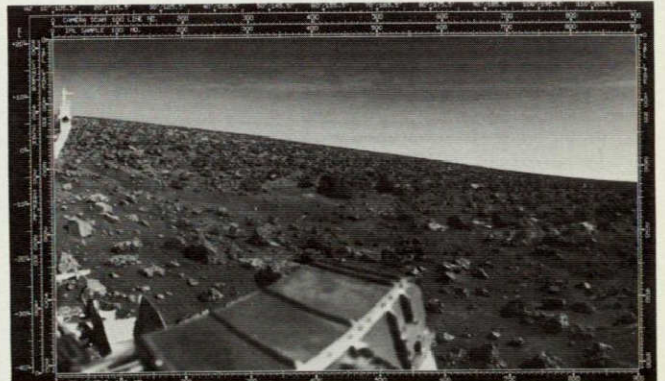
22A001/000 BB1 1/3



22A001/000 BB1 2/3



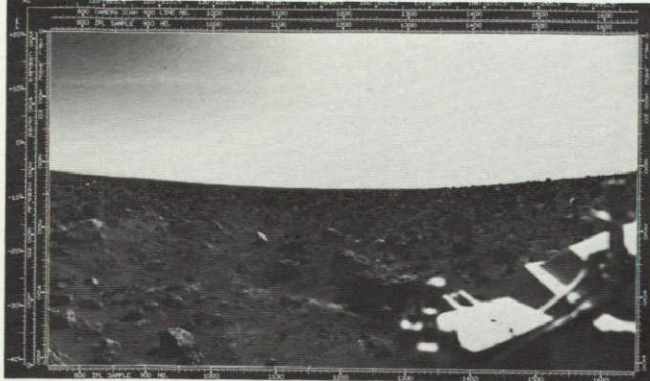
22A001/000 BB1 3/3



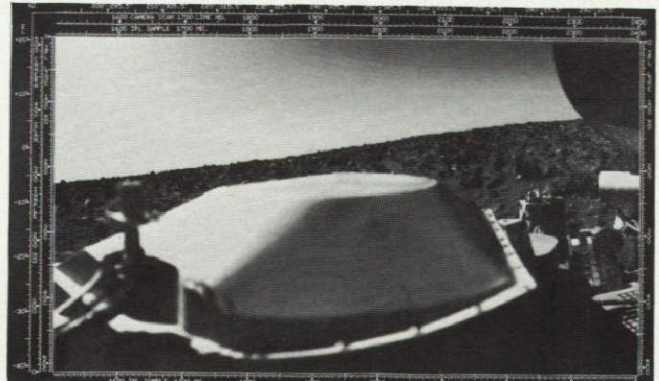
22A002/000 SURV 1/4

22A002/000-22A005/000

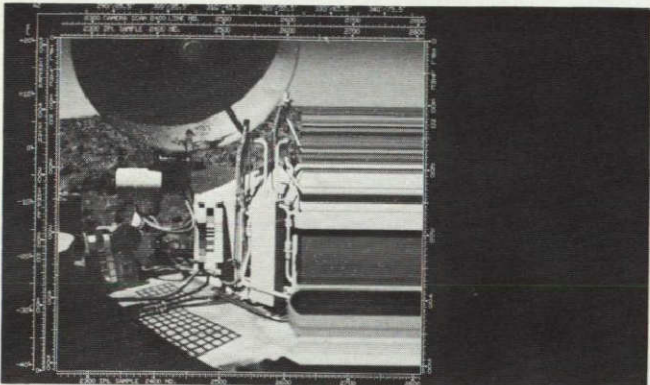
VL-2



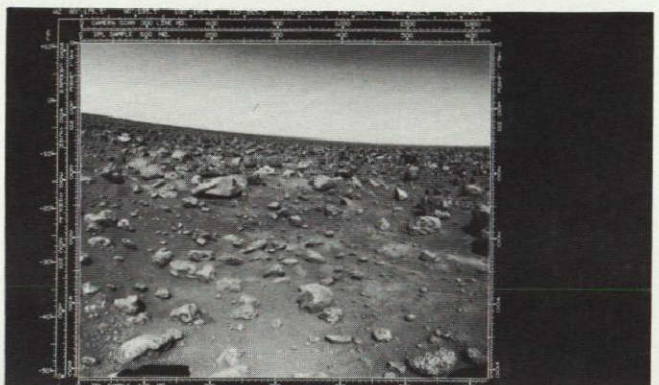
22A002/000 SURV 2/4



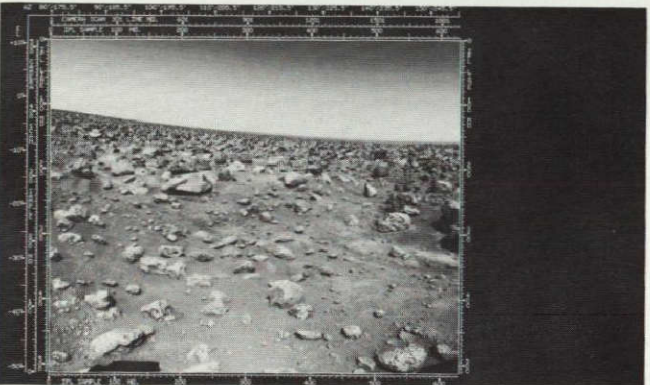
22A002/000 SURV 3/4



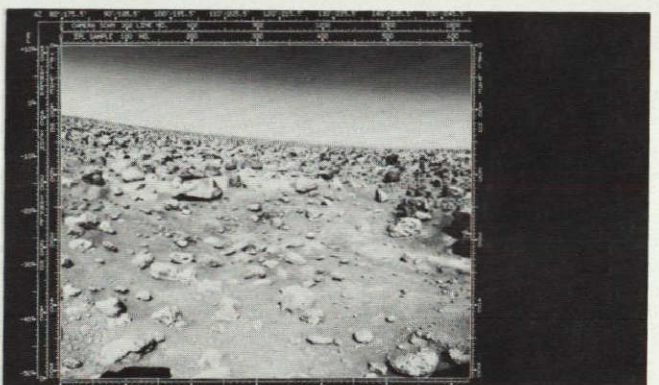
22A002/000 SURV 4/4



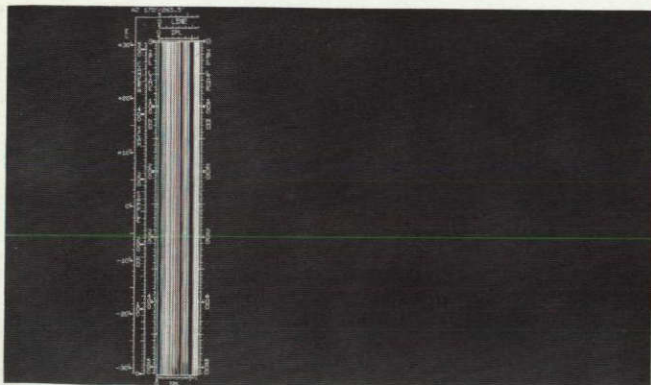
22A003/000 BLU/T



22A003/000 GRN/T



22A003/000 RED/T



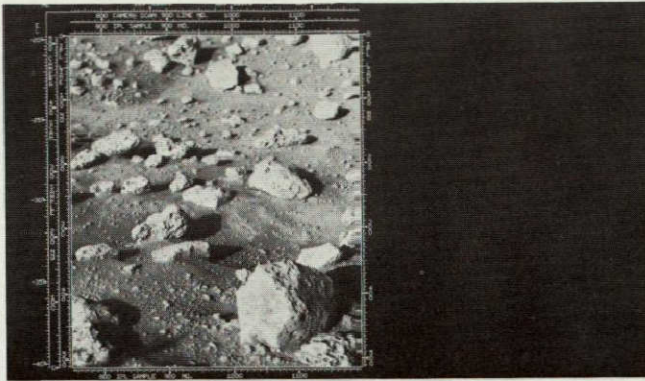
22A004/000 CAL



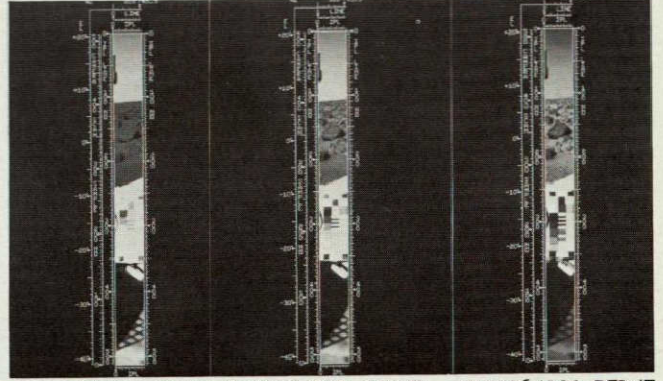
22A005/000 BB2 1/2

VL-2

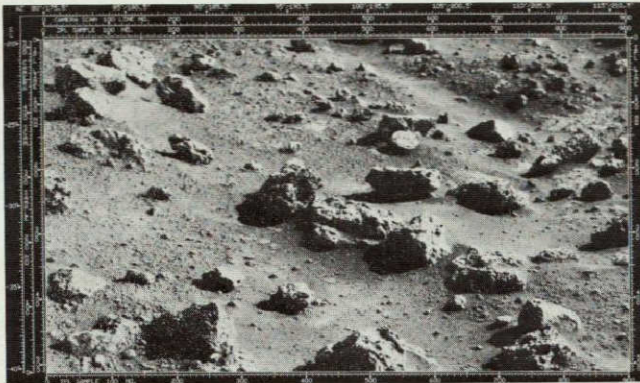
22A005/000-22A010/001



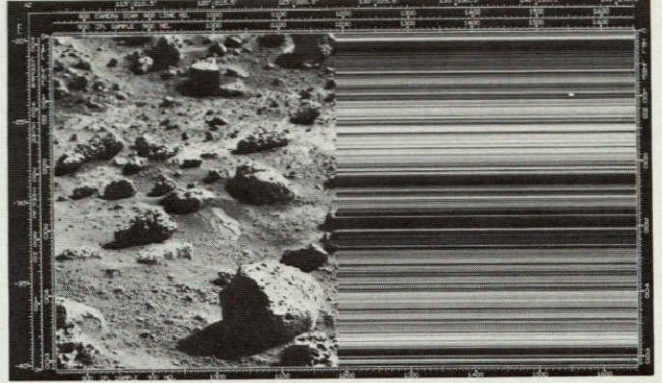
22A005/000 BB2 2/2



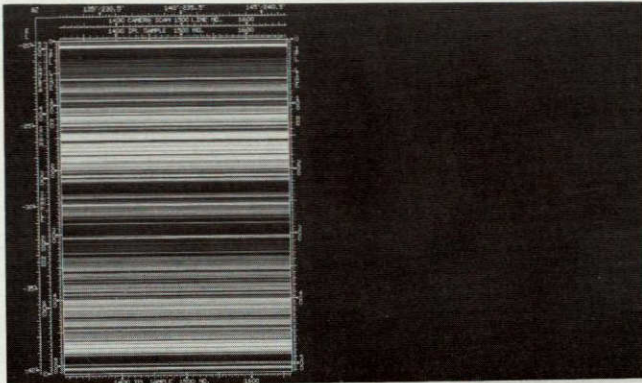
22A006/001 BLU/T 22A006/001 GRN/T 22A006/001 RED/T



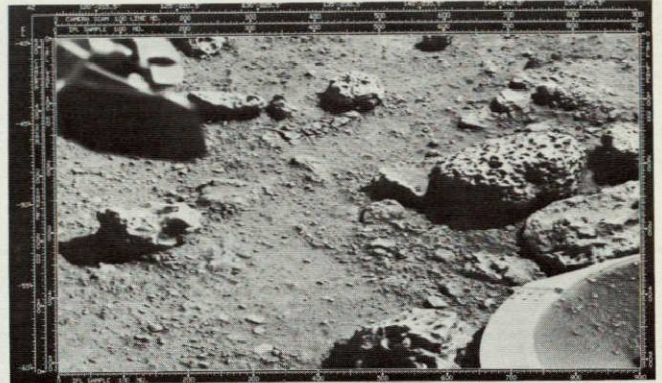
22A007/001 BB2 1/3



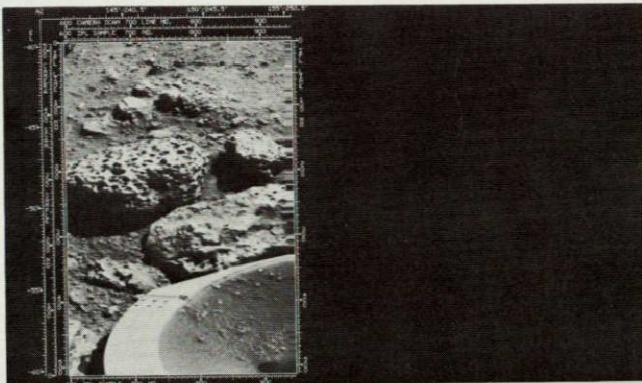
22A007/001 BB2 2/3



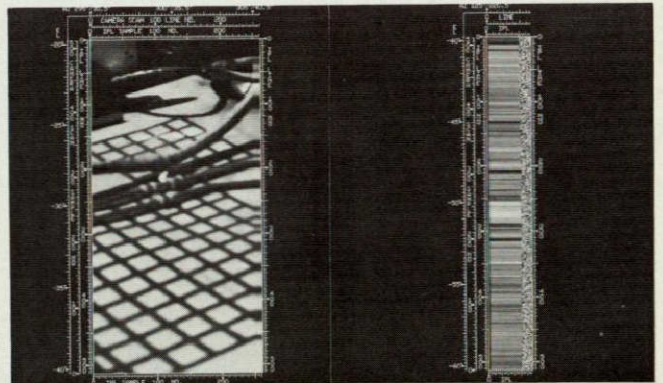
22A007/001 BB2 3/3



22A008/001 BB1 1/2



22A008/001 BB1 2/2



22A009/001 BB1

22A010/001 BB1

22A011/001-22A015/002

VL-2



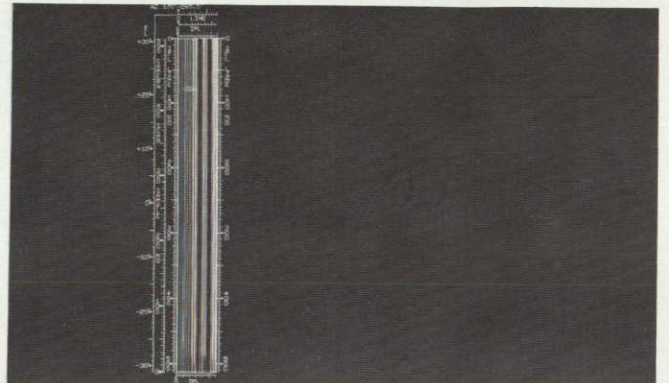
22A011/001 BB3 1/3



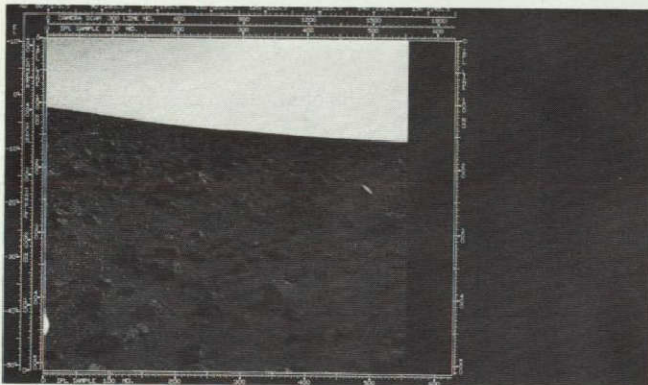
22A011/001 BB3 2/3



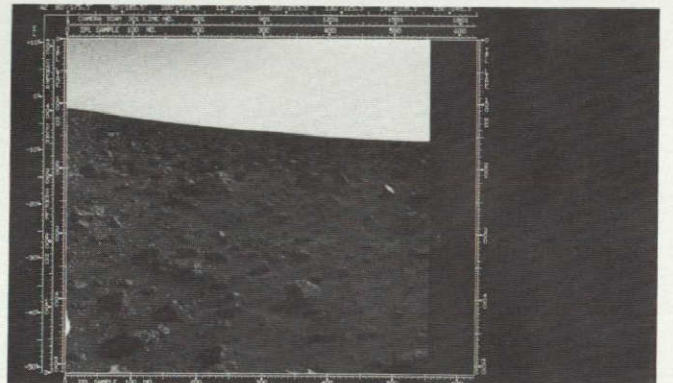
22A011/001 BB3 3/3



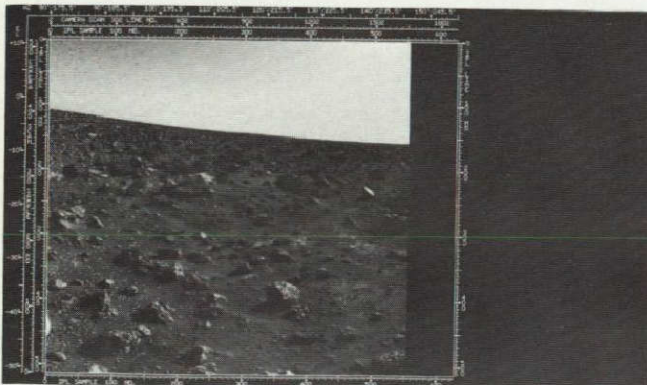
22A012/001 CAL



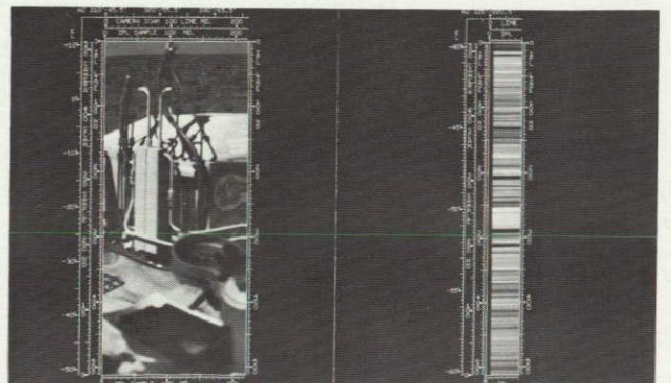
22A013/002 BLU/T



22A013/002 GRN/T

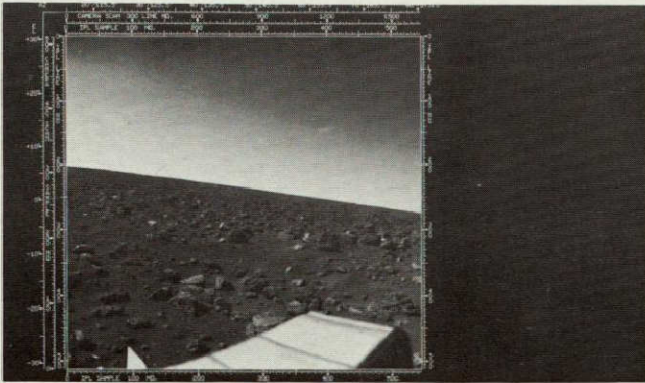


22A013/002 RED/T

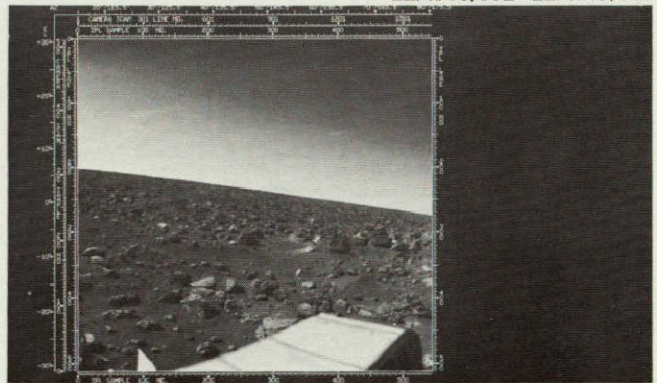


22A014/002 SURV

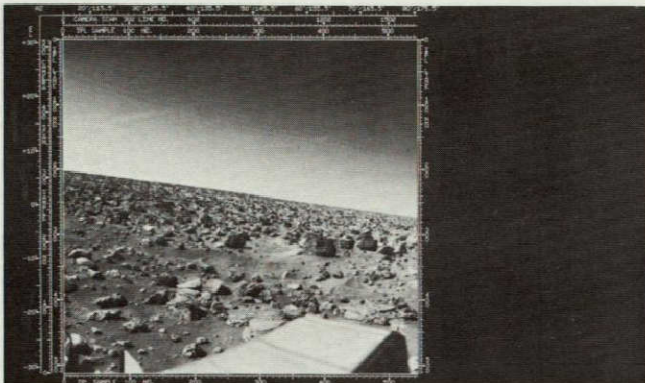
22A015/002 BB1



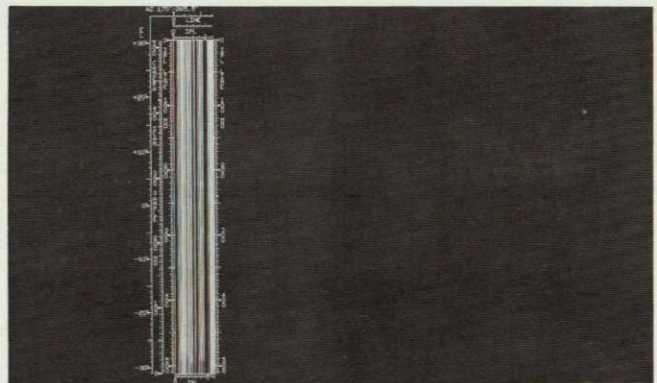
22A016/002 BLU/T



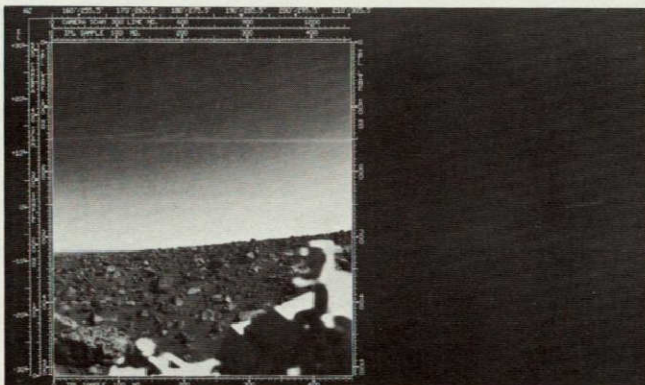
22A016/002 GRN/T



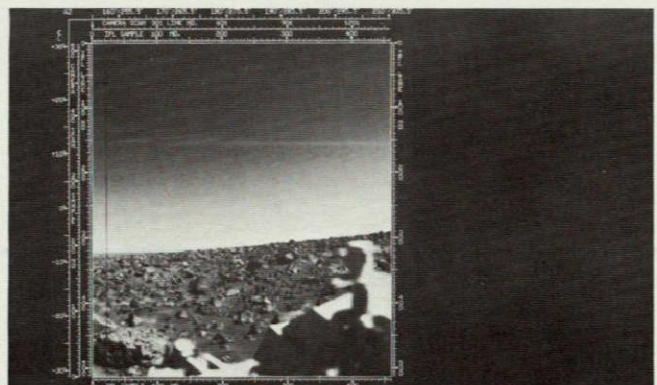
22A016/002 RED/T



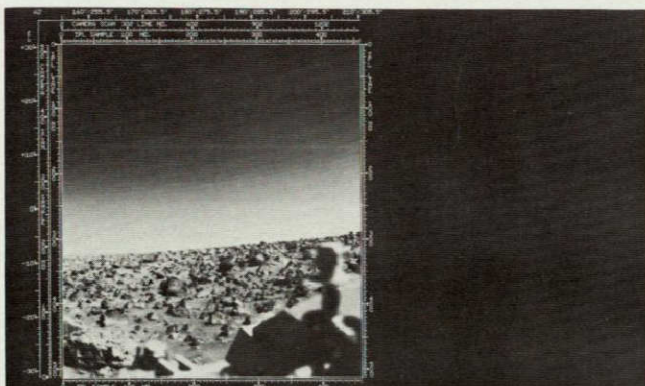
22A017/002 CAL



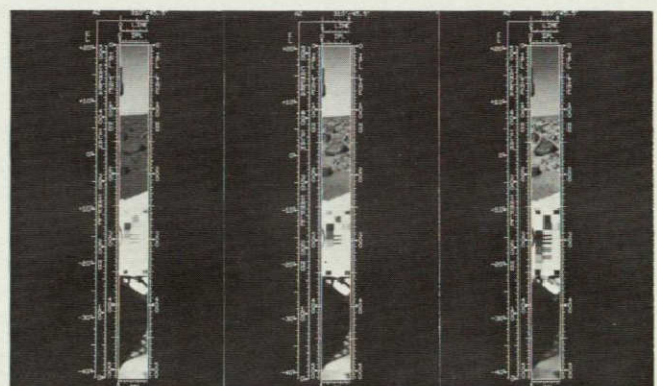
22A018/002 BLU/T



22A018/002 GRN/T



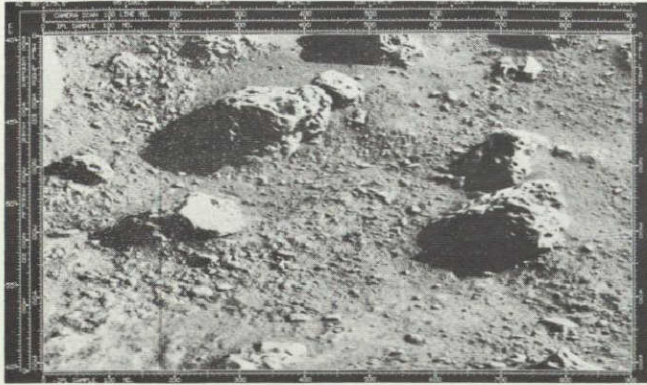
22A018/002 RED/T



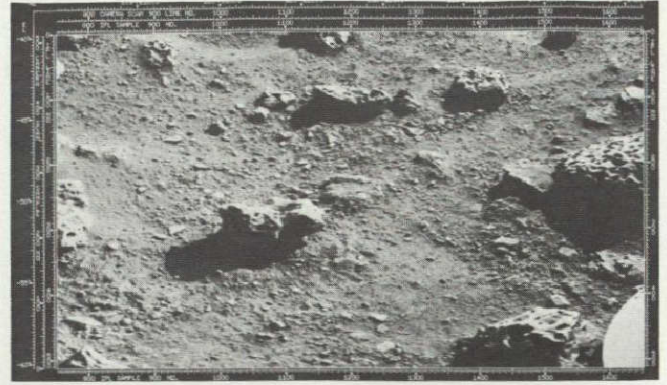
22A019/003 BLU/T 22A019/003 GRN/T 22A019/003 RED/T

22A020/003-21A025/003

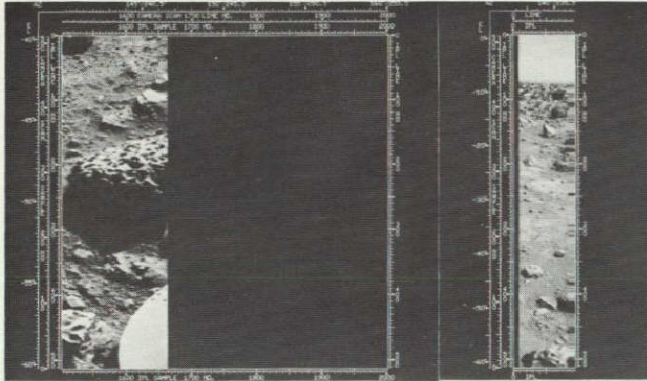
VL-2



22A020/003 BB1 1/3

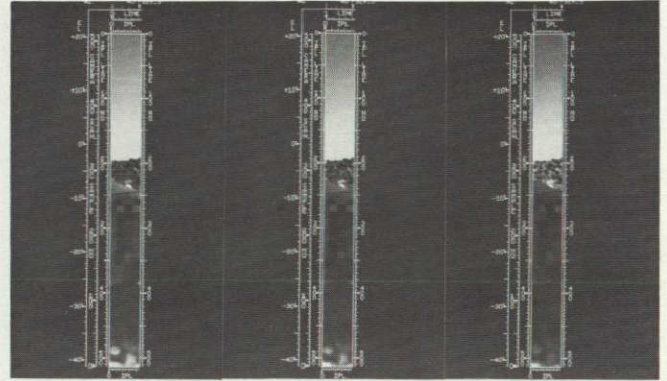


22A020/003 BB1 2/3

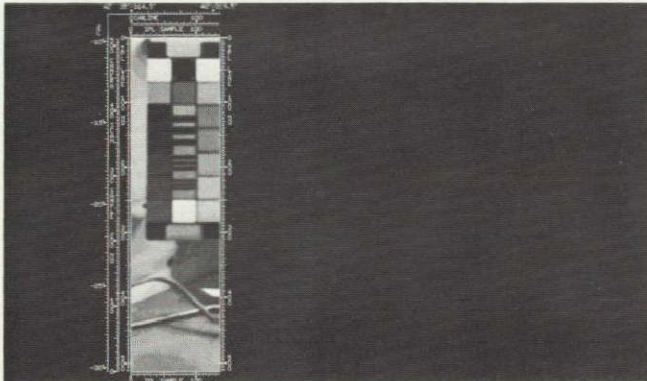


22A020/003 BB1 3/3

22A021/003 SURV



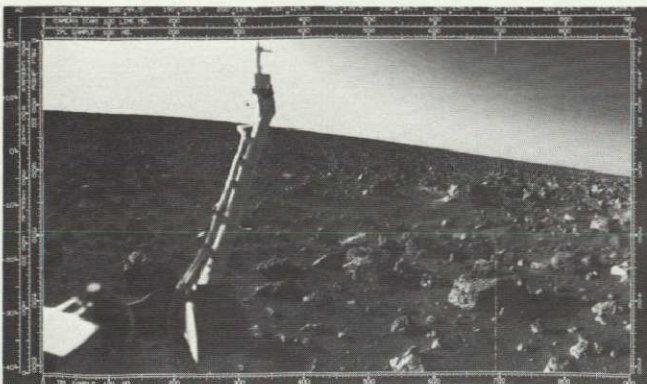
21A022/003 BLU/T 21A022/003 GRN/T 21A022/003 RED/T



21A023/003 BB1



21A024/003 BB3



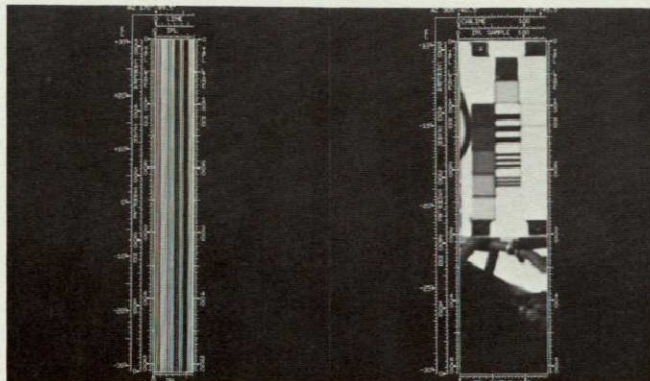
21A025/003 SURV 1/2



21A025/003 SURV 2/2

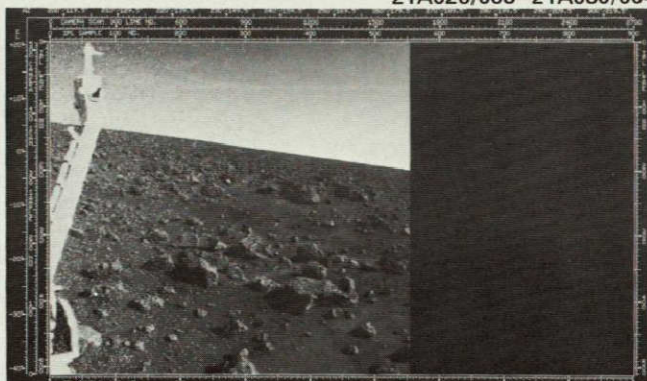
VL-2

21A026/003-21A030/004

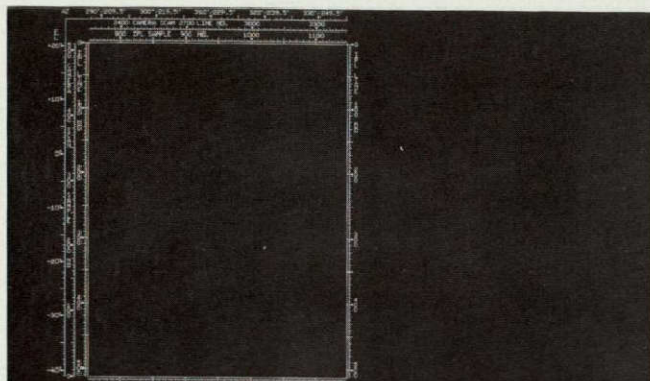


21A026/003 CAL

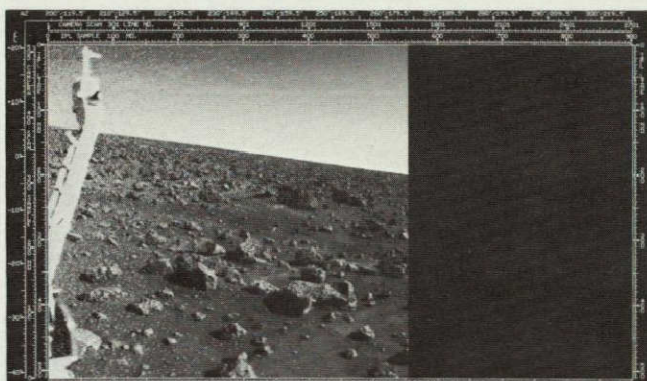
22A027/004 BB1



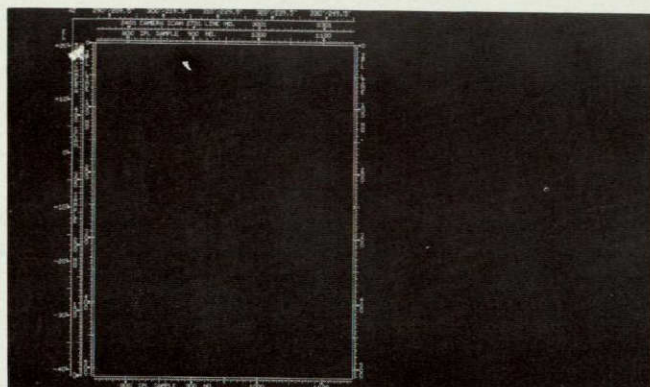
21A028/004 BLU/T 1/2



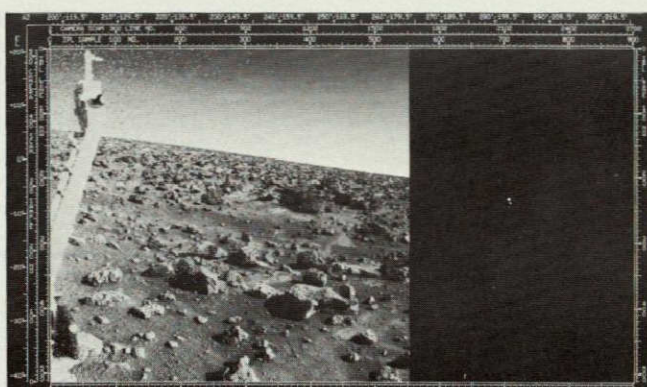
21A028/004 BLU/T 2/2



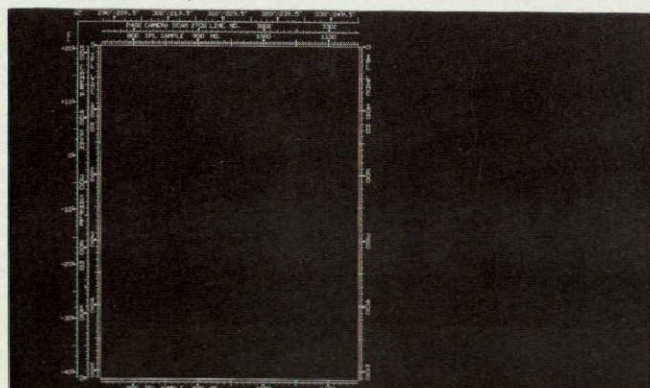
21A028/004 GRN/T 1/2



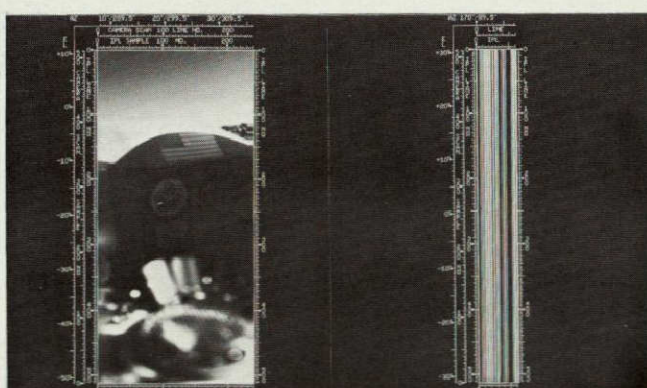
21A028/004 GRN/T 2/2



21A028/004 RED/T 1/2



21A028/004 RED/T 2/2

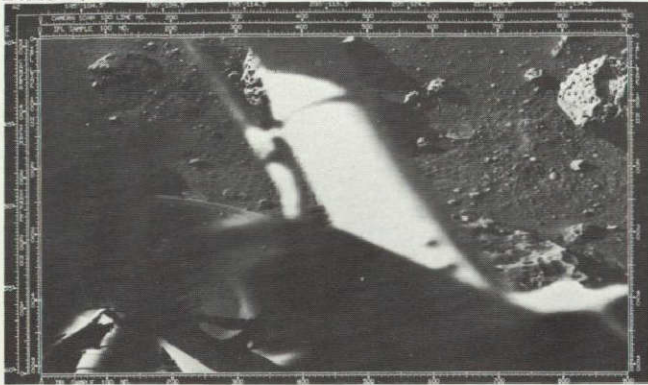


21A029/004 SURV

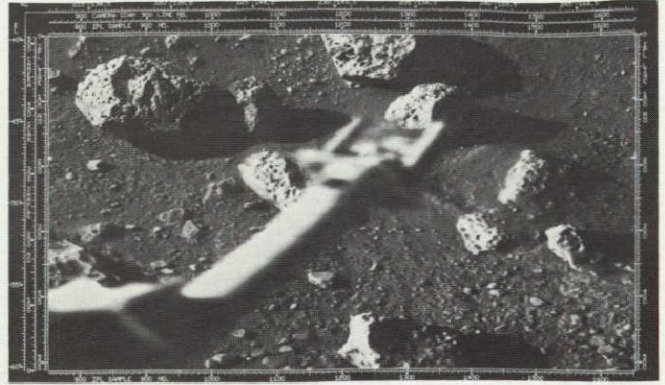
21A030/004 CAL

21A031/004-22A035/005

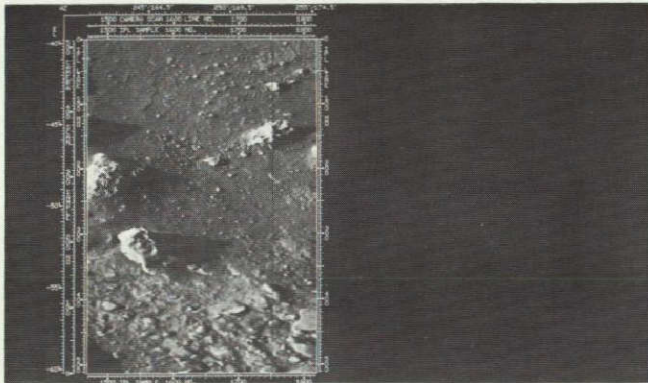
VL-2



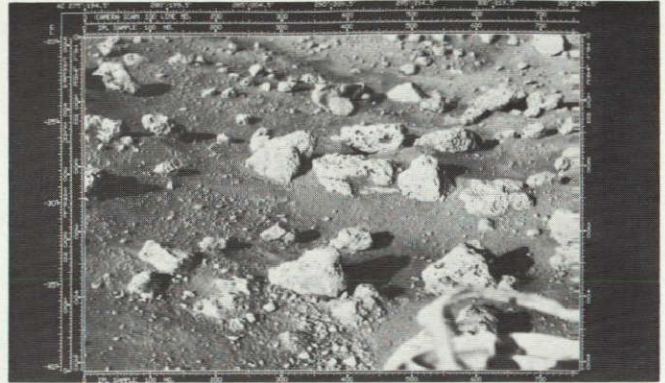
21A031/004 BB1 1/3



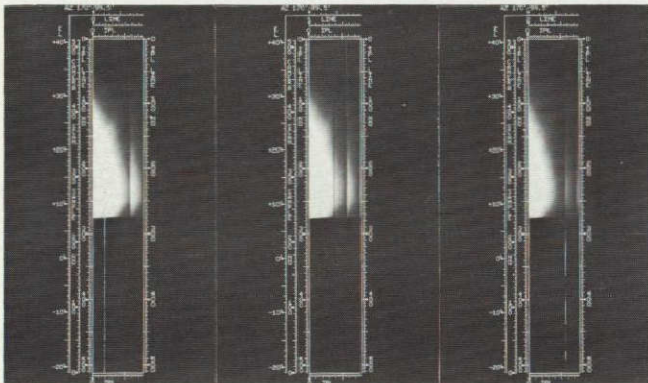
21A031/004 BB1 2/3



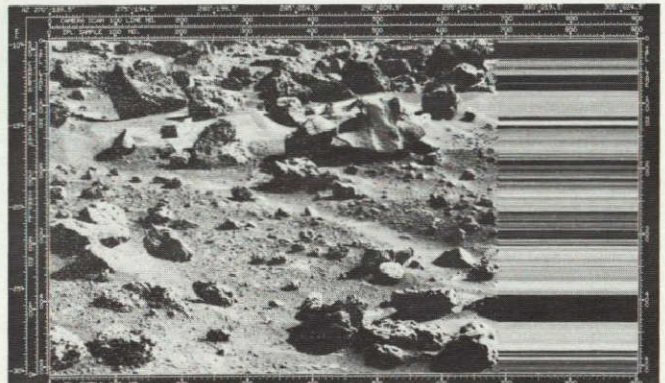
21A031/004 BB1 3/3



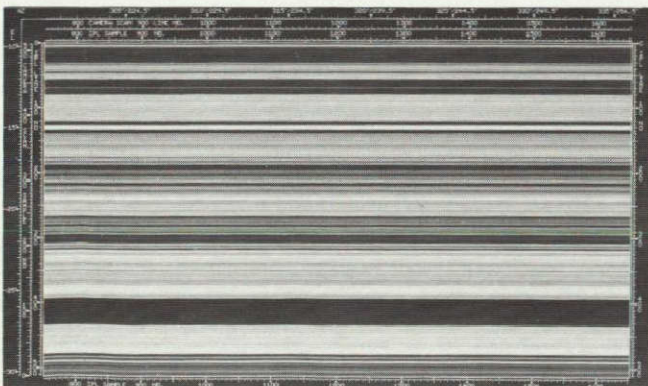
21A032/004 BB2



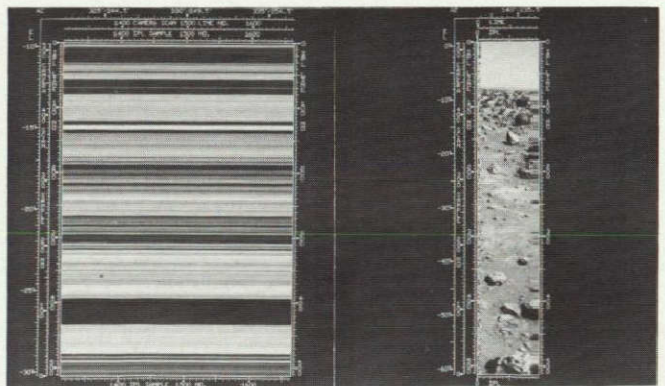
21A033/004 BLU/T 21A033/004 GRN/T 21A033/004 RED/T



21A034/005 BB3 1/3



21A034/005 BB3 2/3

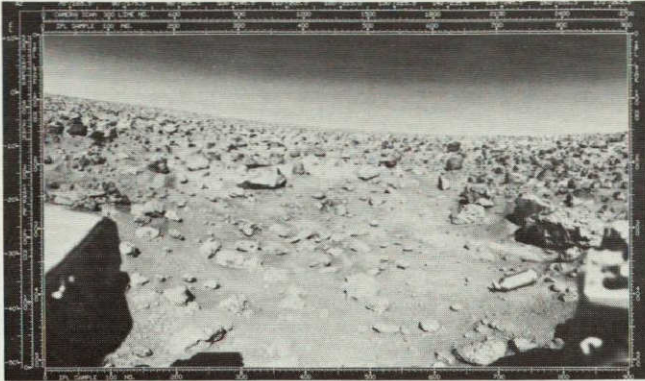


21A034/005 BB3 3/3

22A035/005 SURV

VL-2

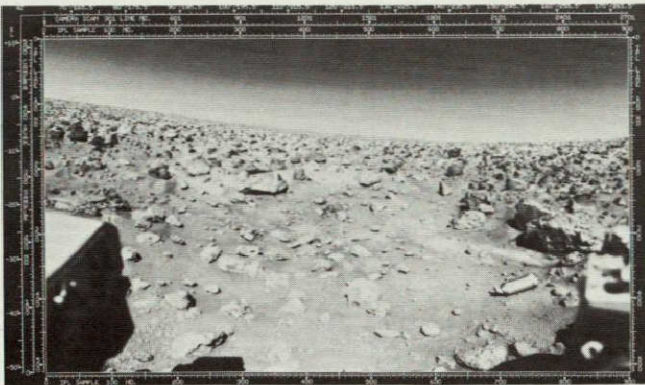
22A036/005-21A039/006



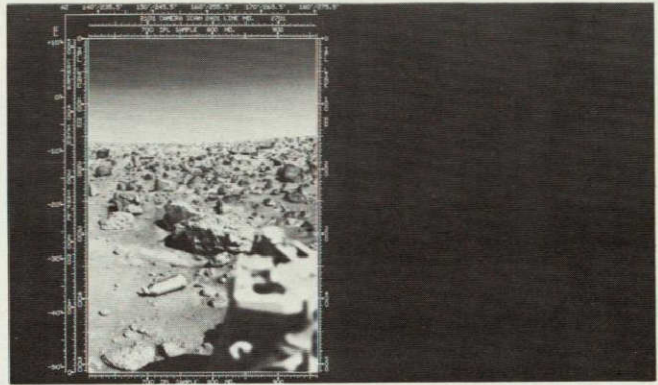
22A036/005 IR3/T 1/2



22A036/005 IR3/T 2/2



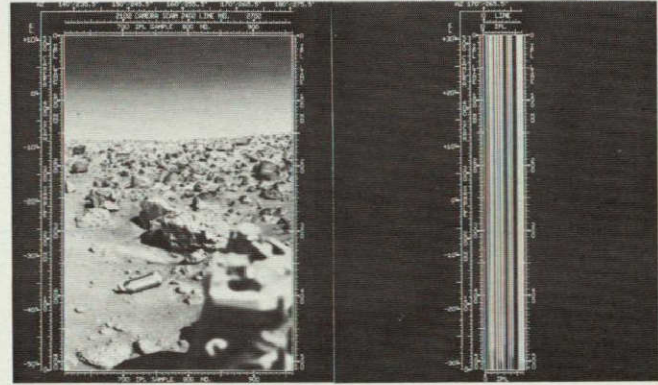
22A036/005 IR2/T 1/2



22A036/005 IR2/T 2/2

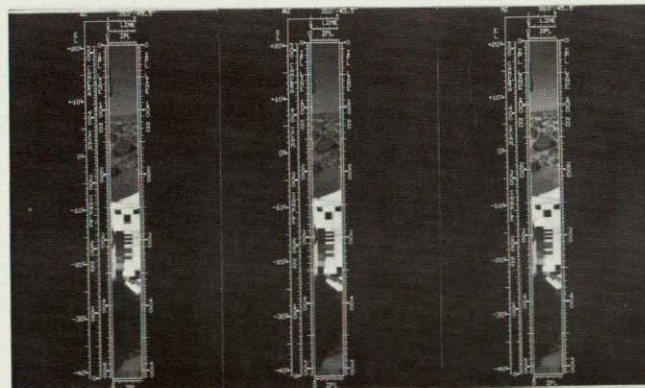


22A036/005 IR1/T 1/2

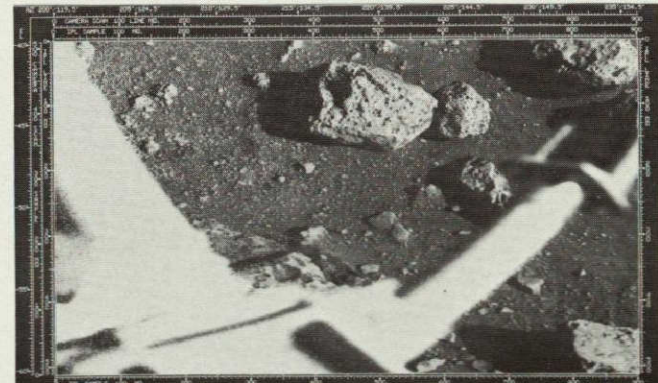


22A036/005 IR1/T 2/2

22A037/005 CAL



22A038/006 IR3/T 22A038/006 IR2/T 22A038/006 IR1/T



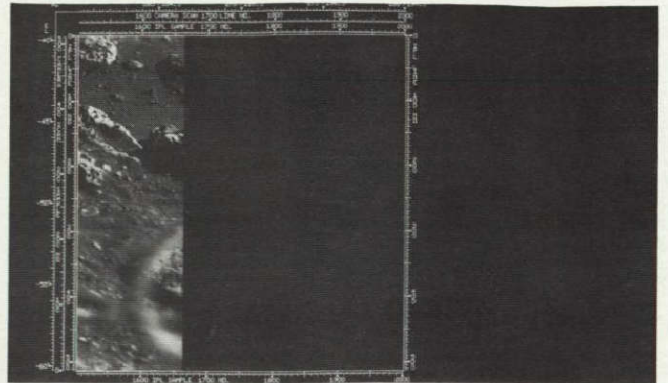
21A039/006 BB1 1/3

21A039/006-21A047/006

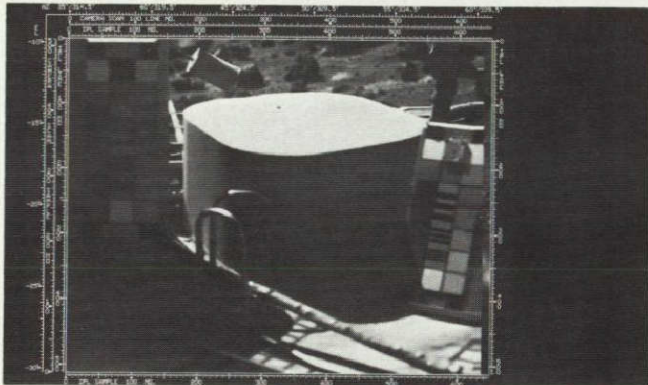
VL-2



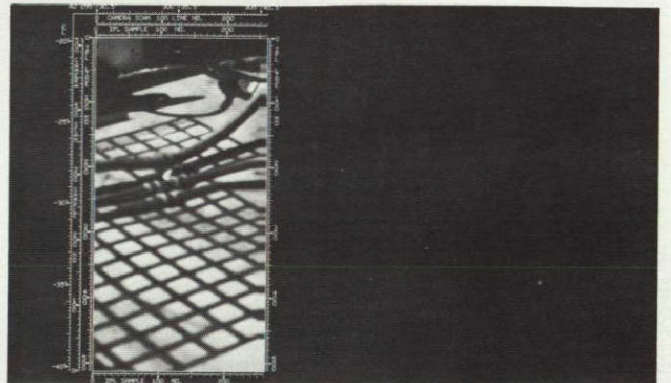
21A039/006 BB1 2/3



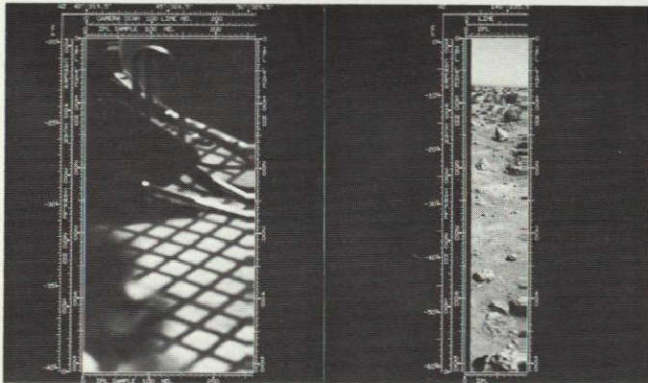
21A039/006 BB1 3/3



21A040/006 BB1

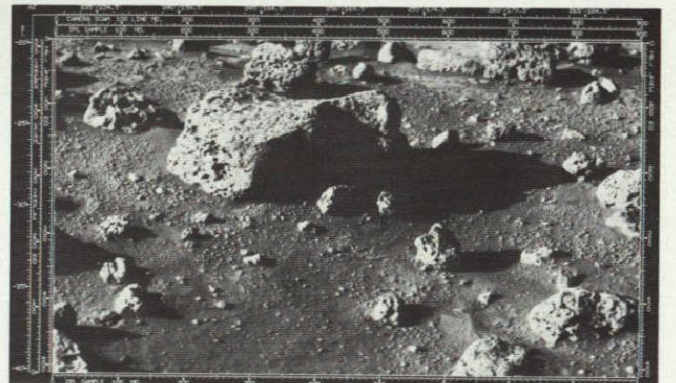


22A041/006 BB1

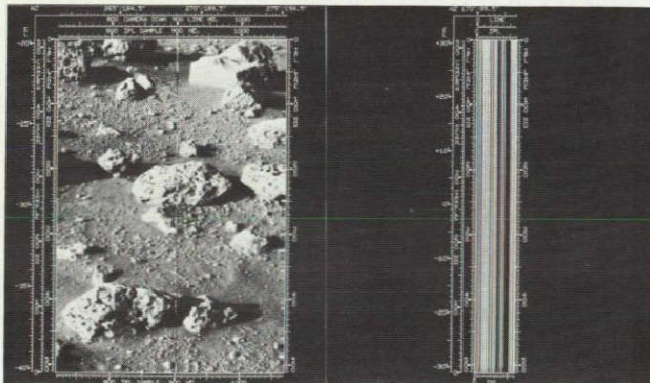


21A042/006 BB1

22A043/006 SURV

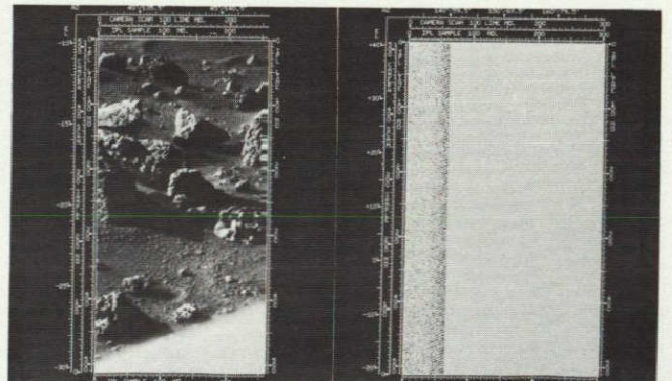


21A044/006 BB2 1/2



21A044/006 BB2 2/2

21A045/006 CAL

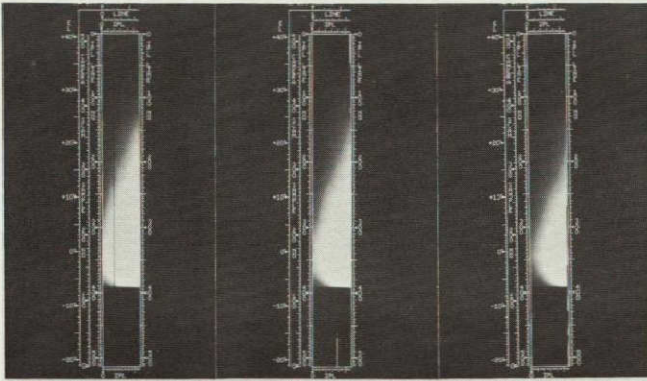


22A046/006 BB2

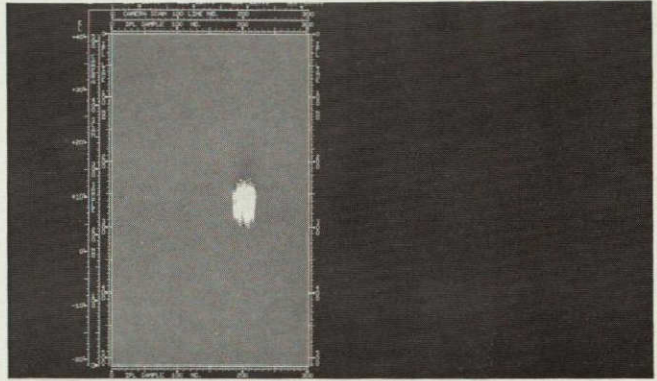
21A047/006 SUN

VL-2

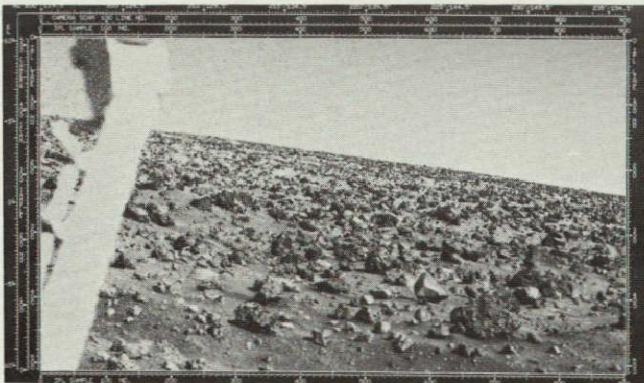
21A048/007-21A053/007



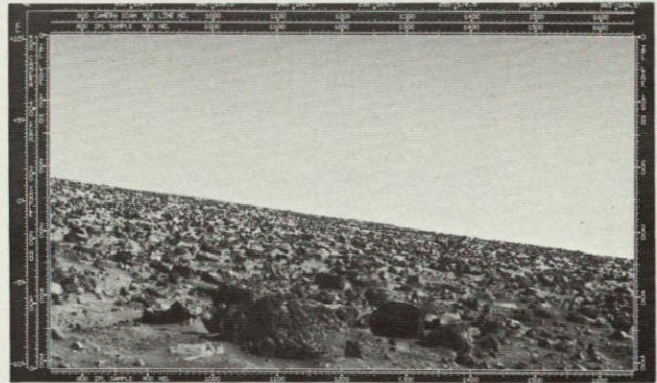
21A048/007 BLU/T 21A048/007 GRN/T 21A048/007 RED/T



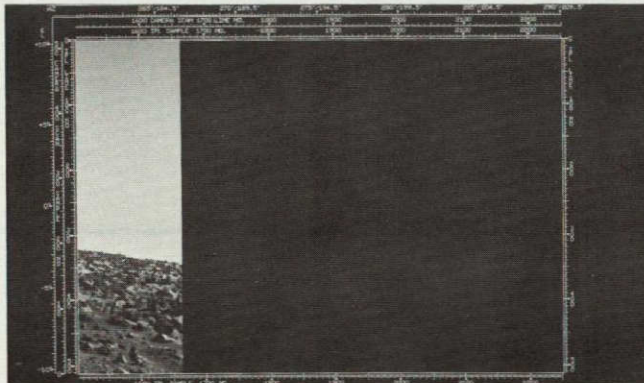
21A049/007 SUN



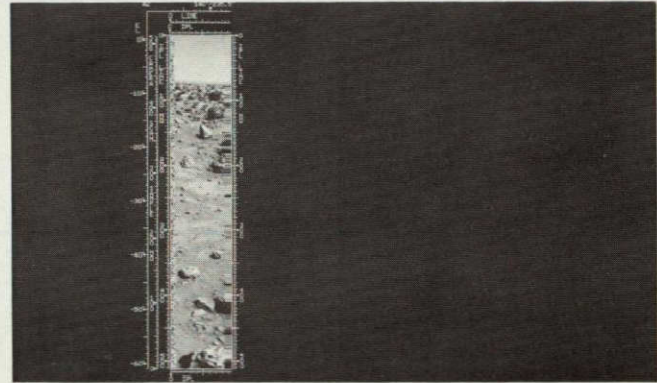
21A050/007 BB4 1/3



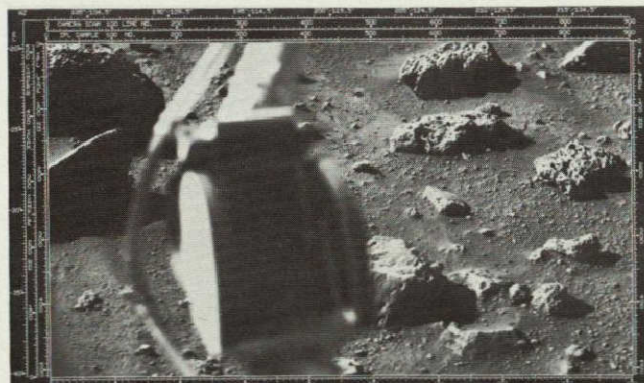
21A050/007 BB4 2/3



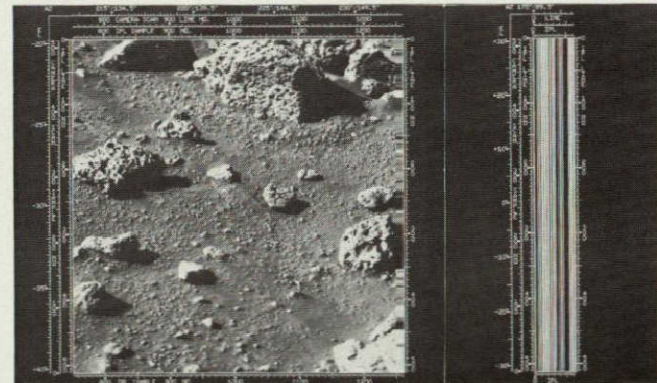
21A050/007 BB4 3/3



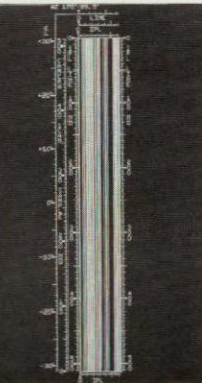
22A051/007 SURV



21A052/007 BB2 1/2



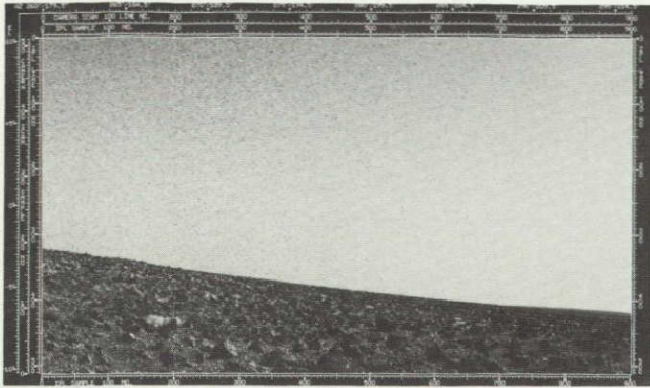
21A052/007 BB2 2/2



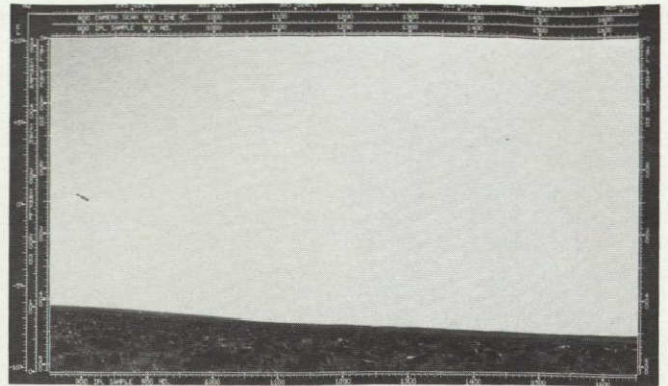
21A053/007 CAL

21A054/008-22A063/009

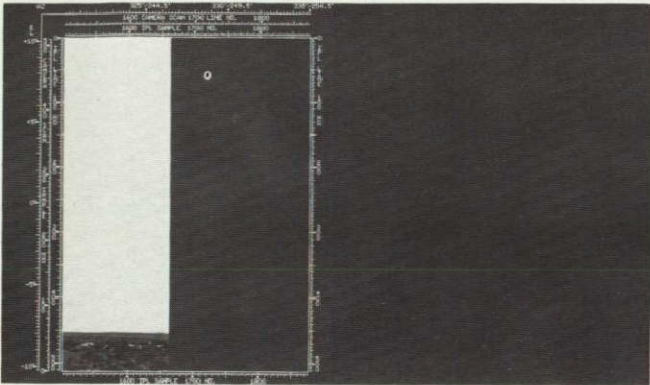
VL-2



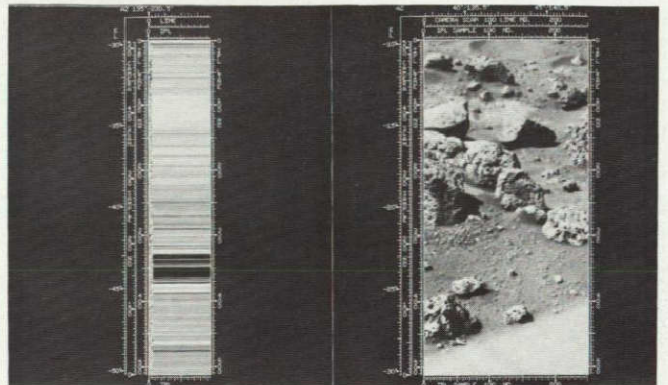
21A054/008 BB4 1/3



21A054/008 BB4 2/3

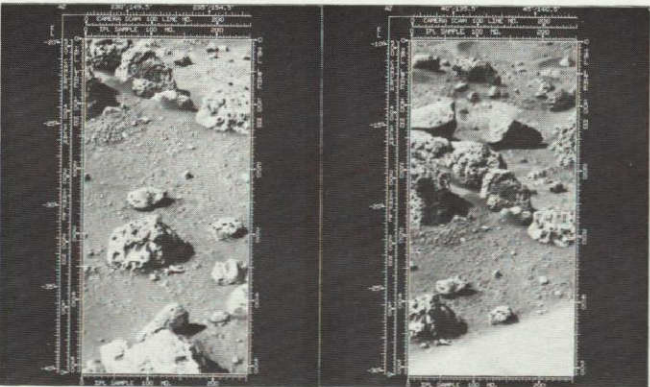


21A054/008 BB4 3/3



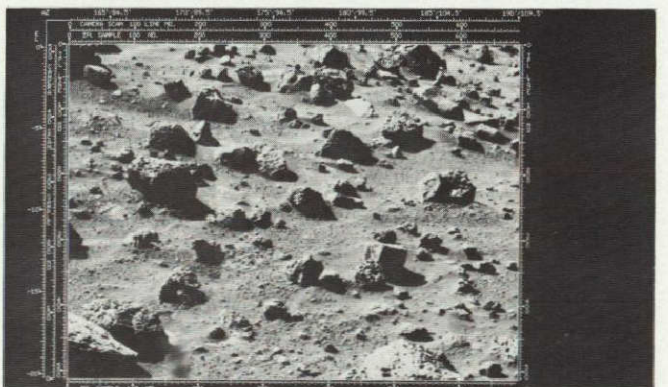
22A055/008 BB1

22A056/008 BB2

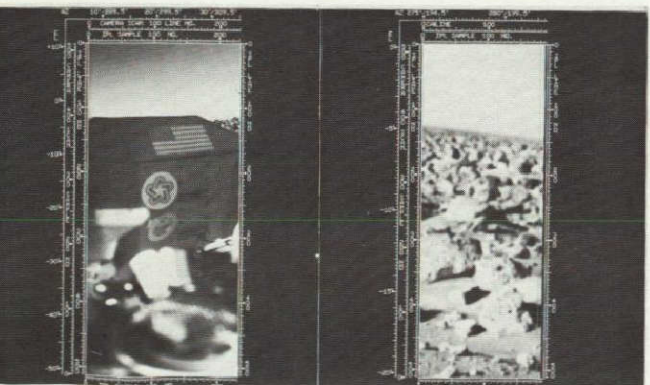


21A057/008 BB2

22A058/008 BB2

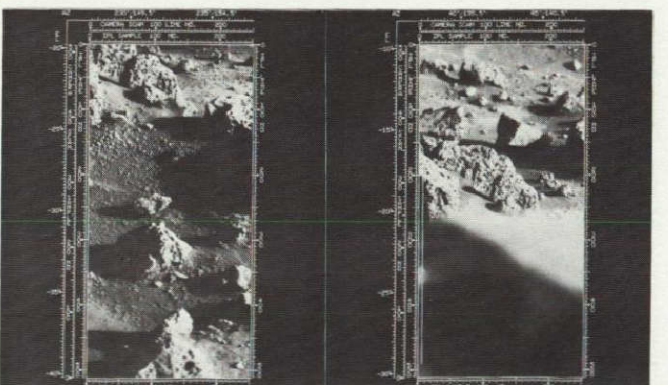


21A059/008 BB3



21A060/008 SURV

21A061/008 BB1

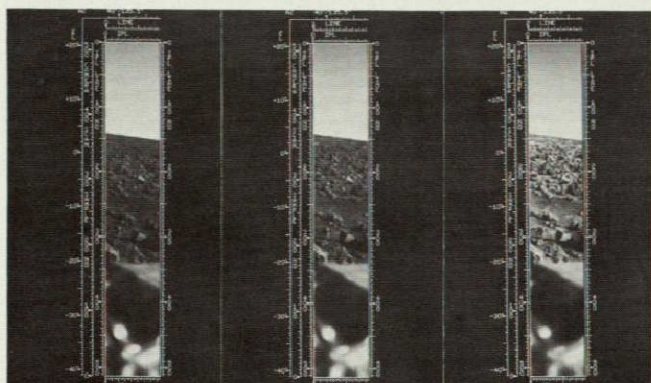


21A062/009 BB2

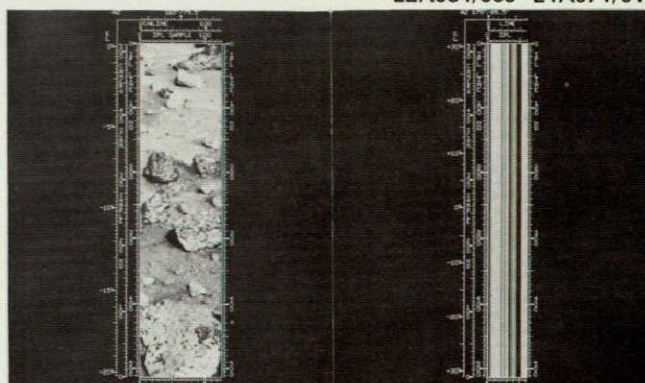
22A063/009 BB2

VL-2

22A064/009-21A071/010

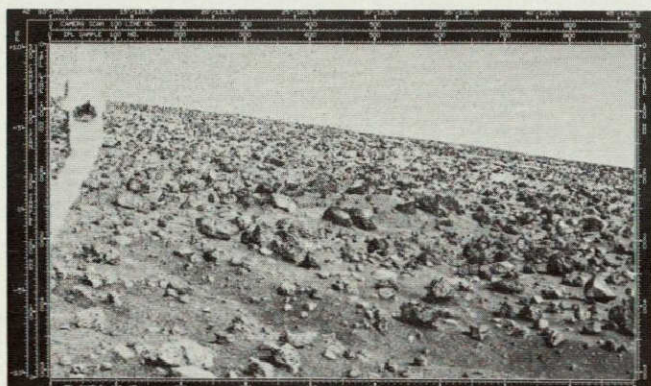


22A064/009 BLU/T 22A064/009 GRN/T 22A064/009 RED/T



21A065/009 BB3

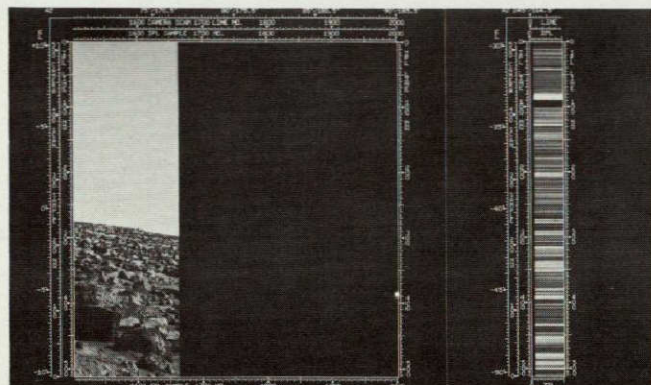
21A066/009 CAL



22A067/009 BB4 1/3

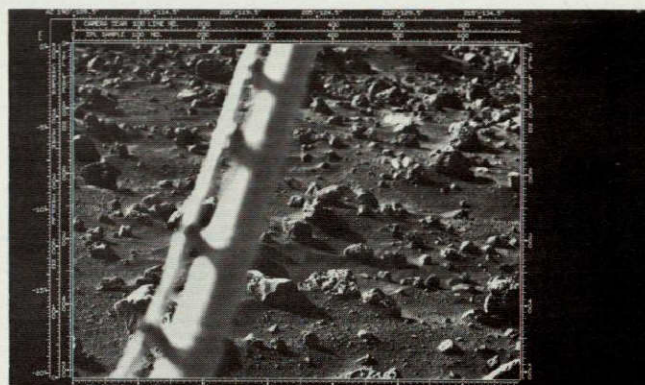


22A067/009 BB4 2/3

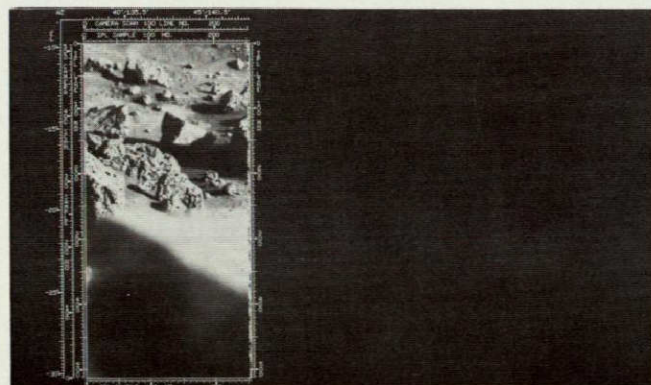


22A067/009 BB4 3/3

21A068/009 BB1



21A069/009 BB3



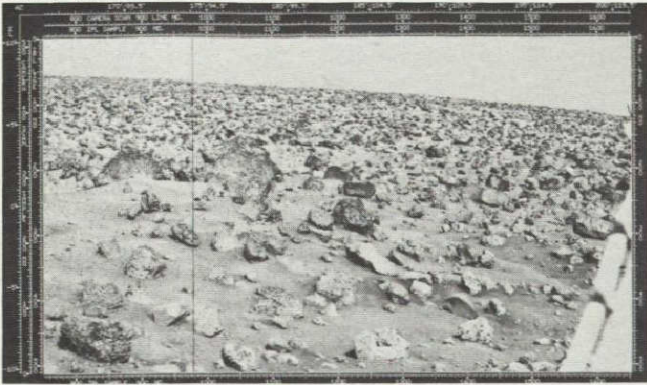
22A070/010 BB2



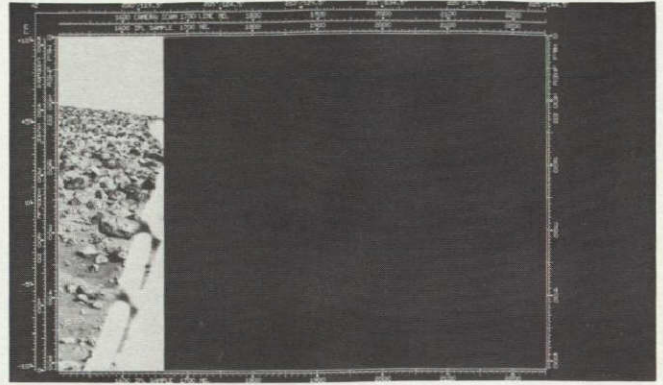
21A071/010 BB4 1/3

21A071/010-21A075/010

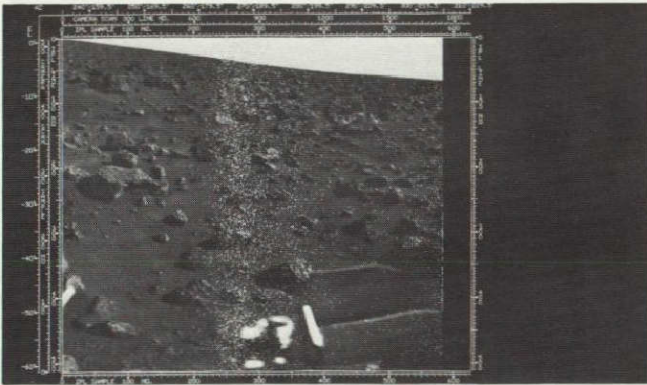
VL-2



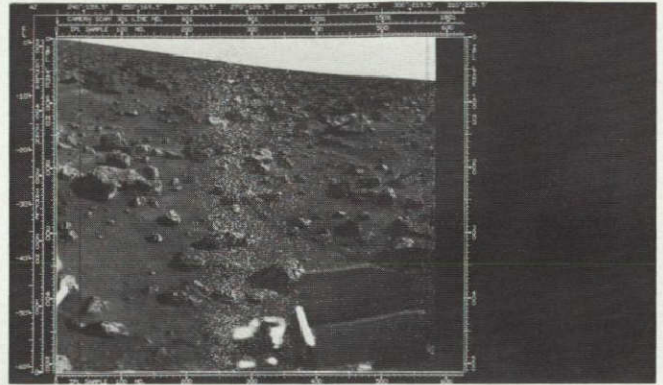
21A071/010 BB4 2/3



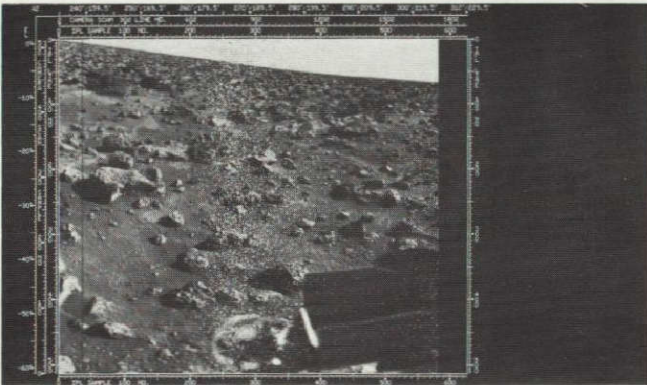
21A071/010 BB4 3/3



21A072/010 BLU/T



21A072/010 GRN/T



21A072/010 RED/T

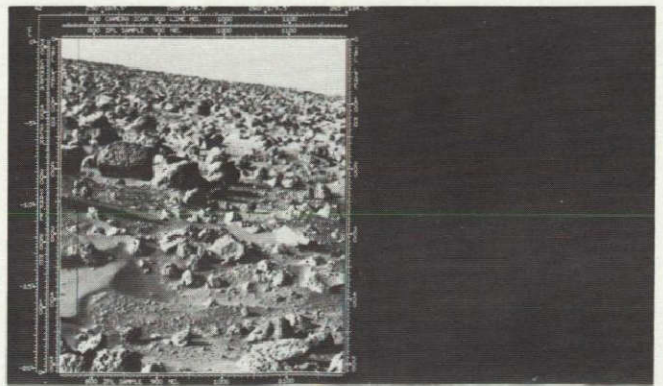


22A073/010 BB1

21A074/010 BB1



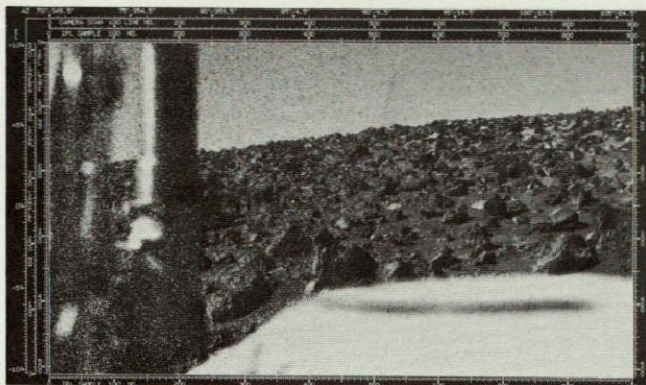
21A075/010 BB3 1/2



21A075/010 BB3 2/2

VL-2

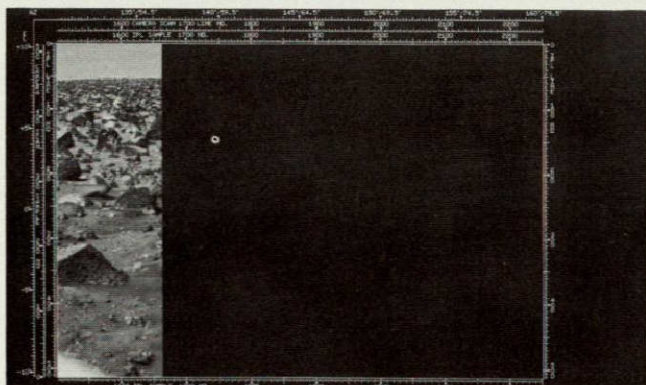
21A076/011-21A079/012



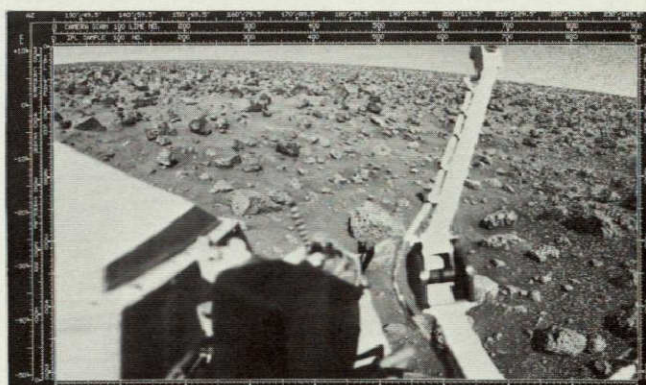
21A076/011 BB4 1/3



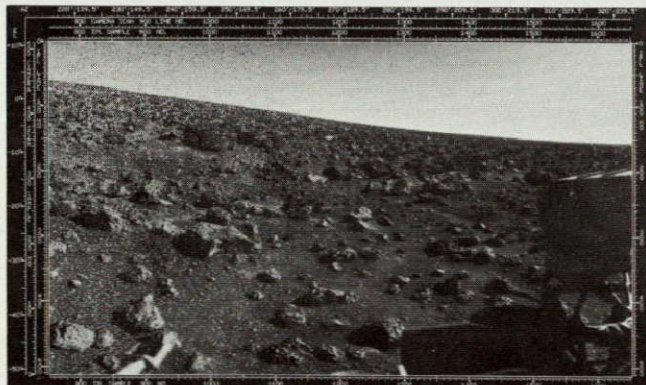
21A076/011 BB4 2/3



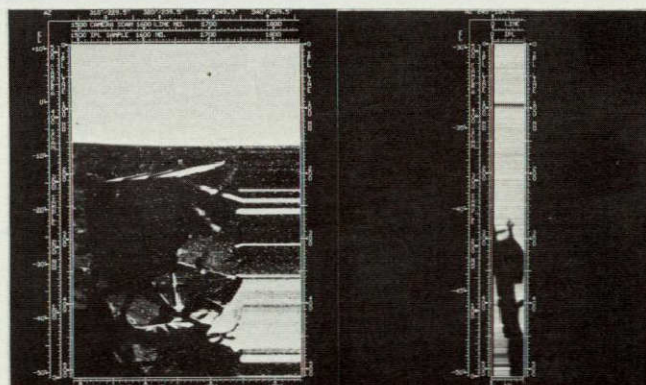
21A076/011 BB4 3/3



21A077/011 SURV 1/3

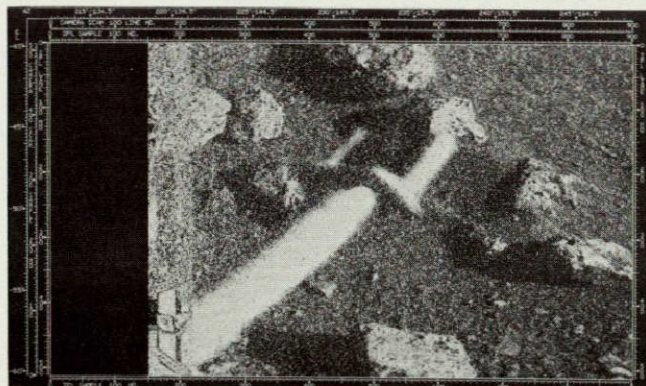


21A077/011 SURV 2/3

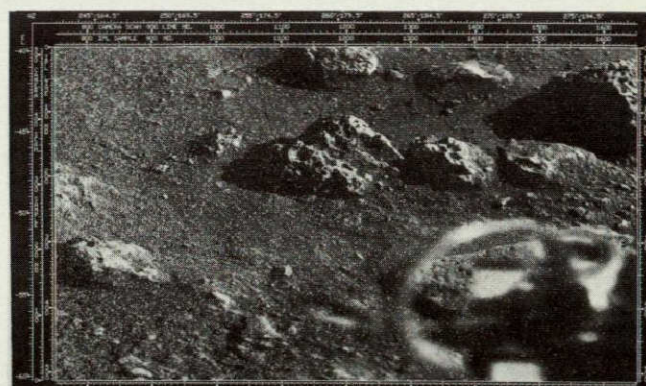


21A077/011 SURV 3/3

21A078/011 BB1



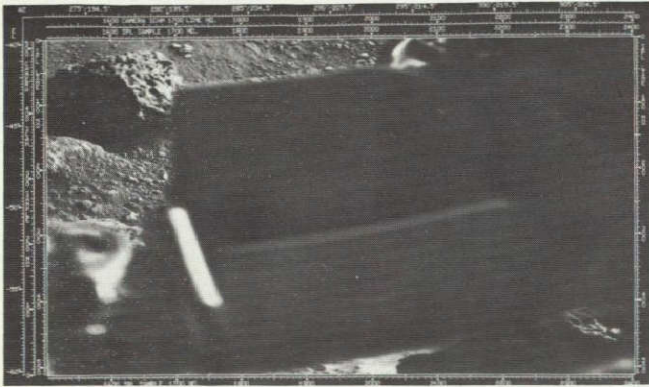
21A079/012 BB1 1/4



21A079/012 BB1 2/4

21A079/012-21A082/012

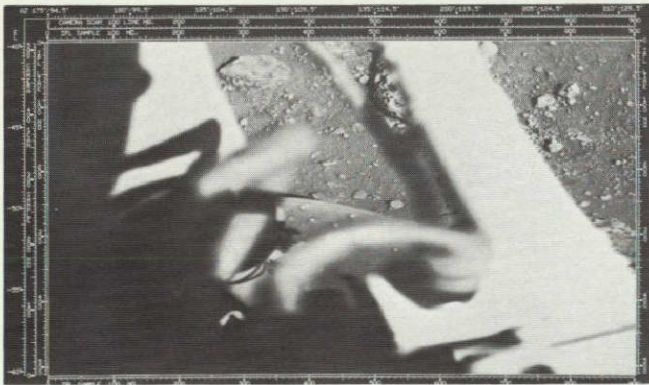
VL-2



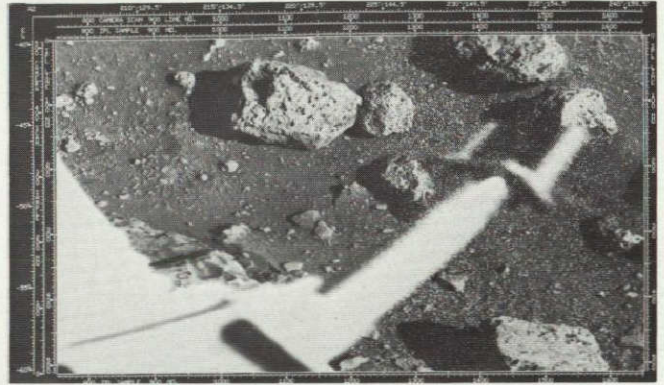
21A079/012 BB1 3/4



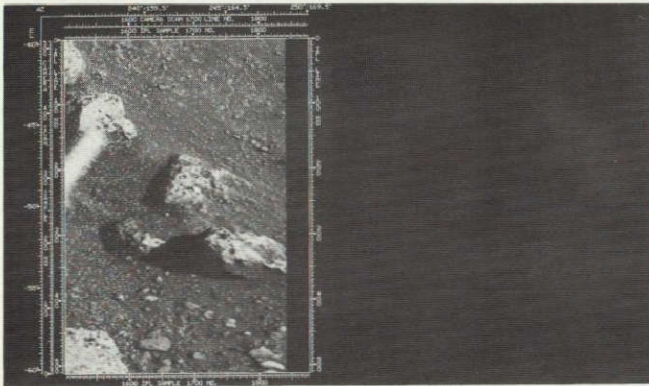
21A079/012 BB1 4/4



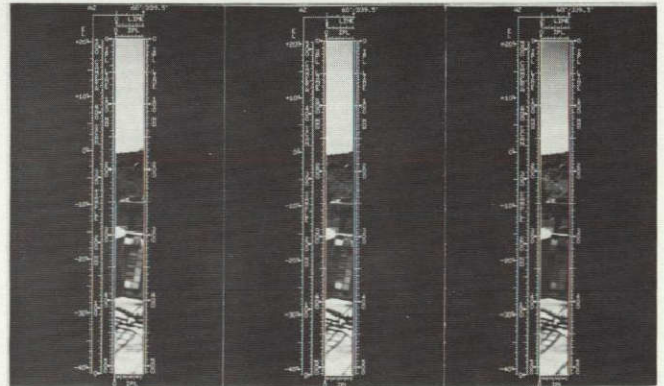
21A080/012 BB1 1/3



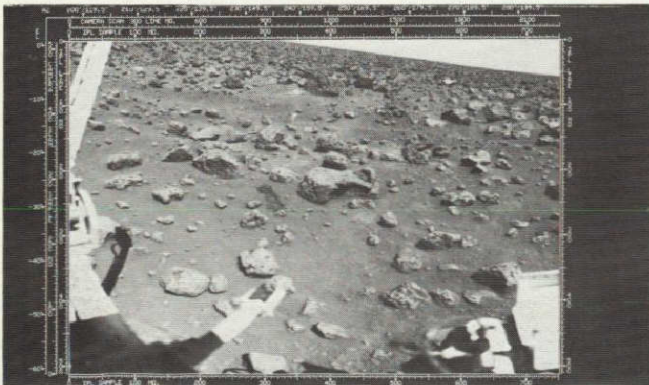
21A080/012 BB1 2/3



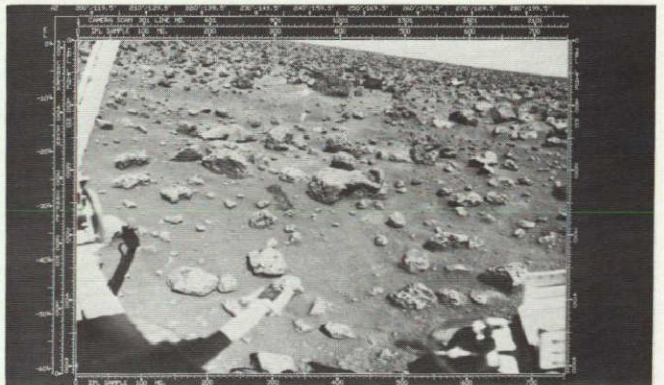
21A080/012 BB1 3/3



21A081/012 BLU/T 21A081/012 GRN/T 21A081/012 RED/T



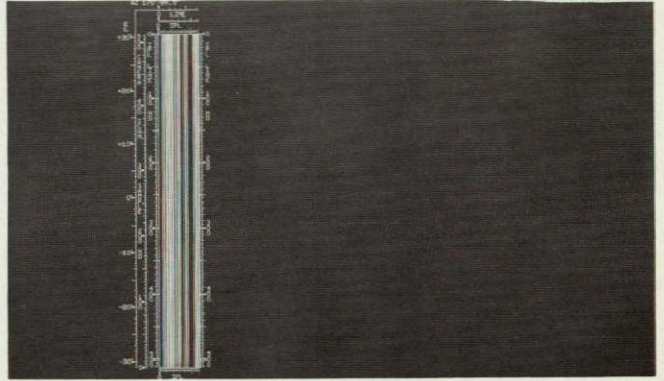
21A082/012 BLU/T



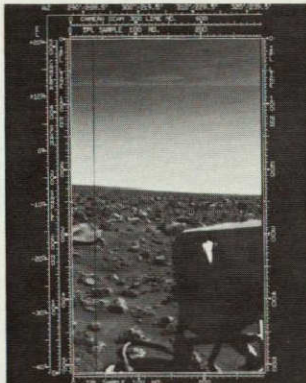
21A082/012 GRN/T



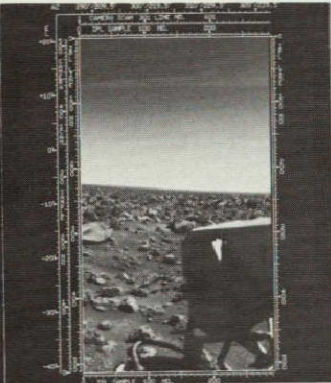
21A082/012 RED/T



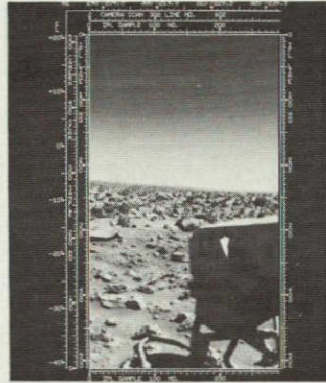
21A083/012 CAL



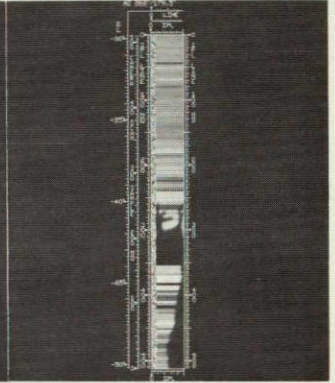
21A084/012 BLU/T



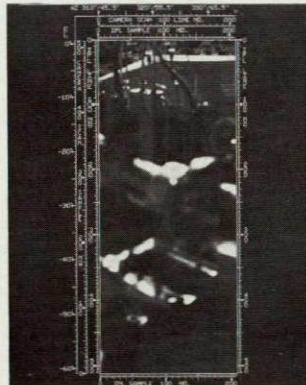
21A084/012 GRN/T



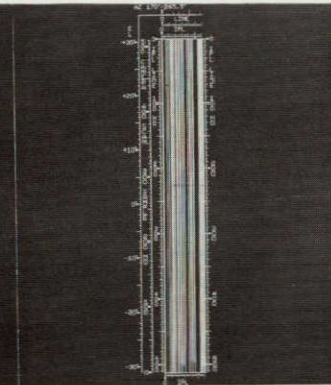
21A084/012 RED/T



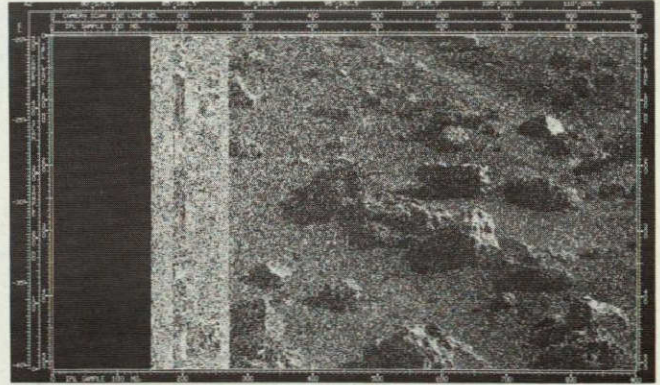
21A085/012 BB1



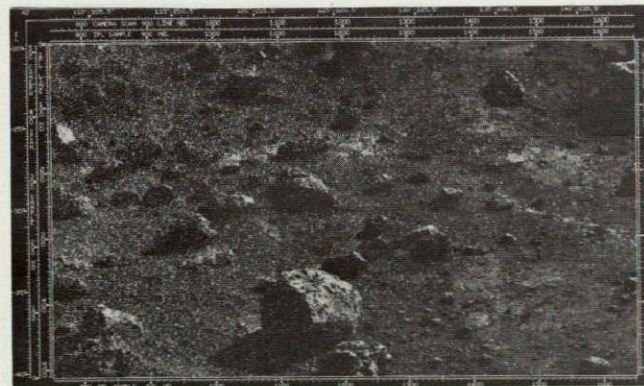
22A086/012 SURV



22A087/012 CAL



22A088/013 BB2 1/4



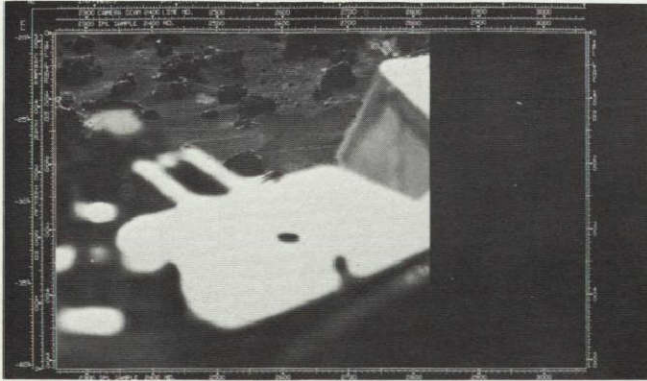
22A088/013 BB2 2/4



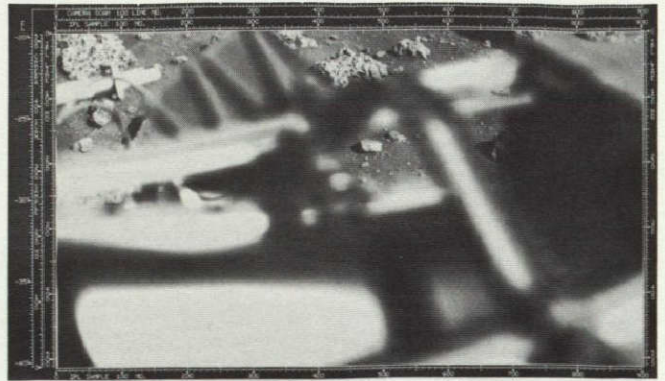
22A088/013 BB2 3/4

22A088/013-22A094/013

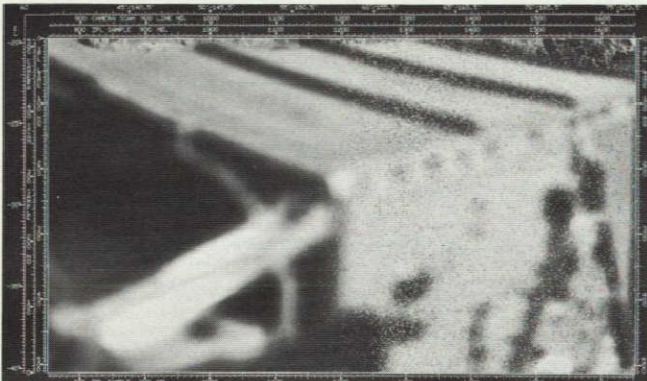
VL-2



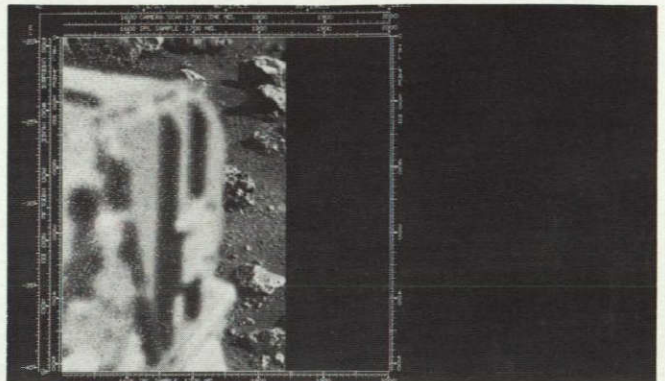
22A088/013 BB2 4/4



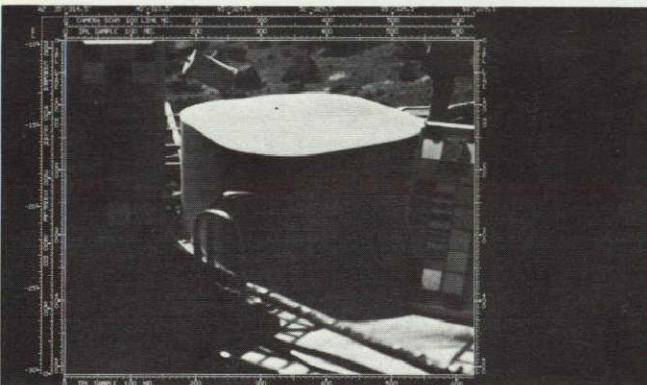
22A089/013 BB2 1/3



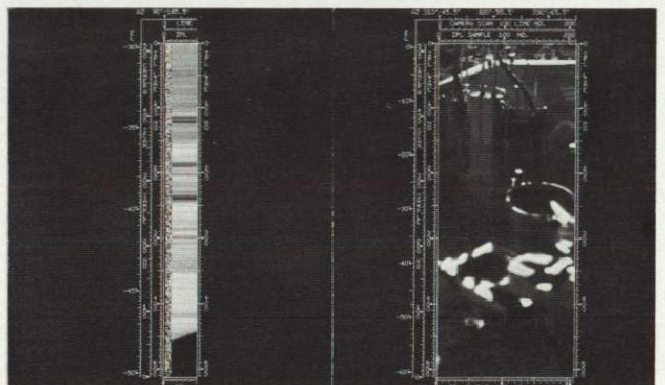
22A089/013 BB2 2/3



22A089/013 BB2 3/3

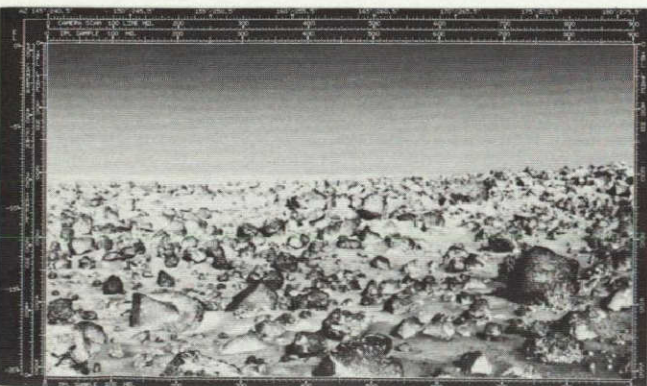


21A090/013 BB1

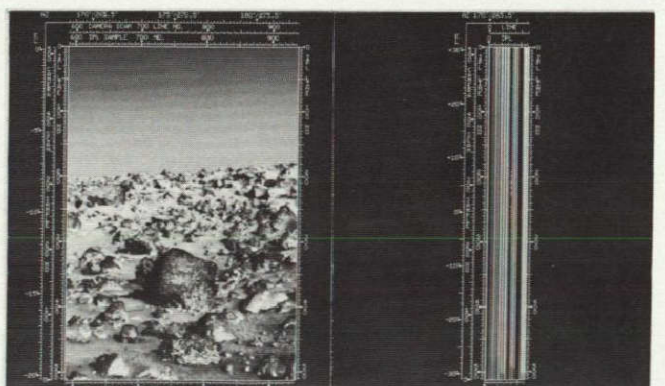


22A091/013 BB1

22A092/013 SURV



22A093/013 BB3 1/2



22A093/013 BB3 2/2

22A094/013 CAL

VL-2

22A095/014-22A097/014



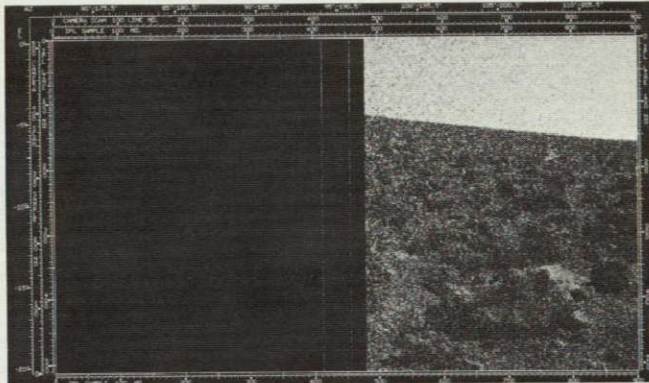
22A095/014 BB1 1/3



22A095/014 BB1 2/3



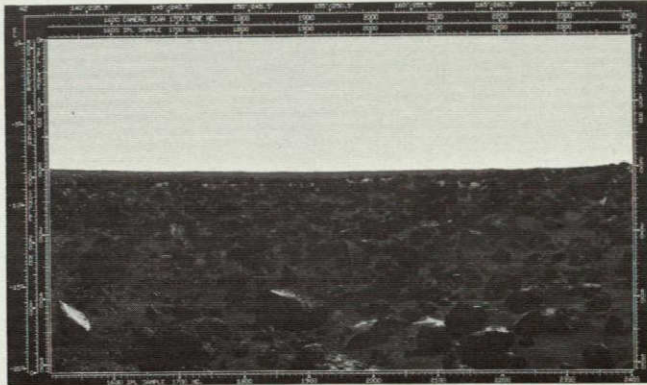
22A095/014 BB1 3/3



22A096/014 BB3 1/4



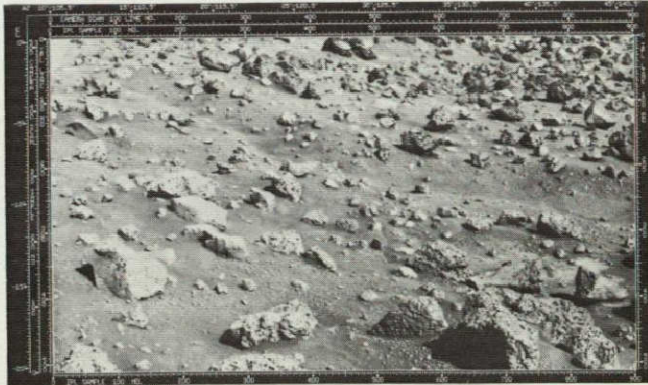
22A096/014 BB3 2/4



22A096/014 BB3 3/4

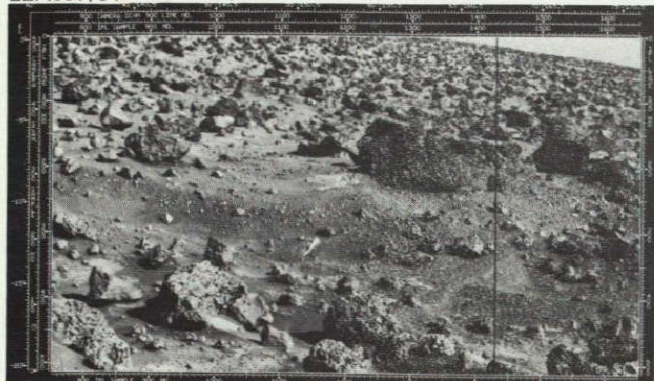


22A096/014 BB3 4/4

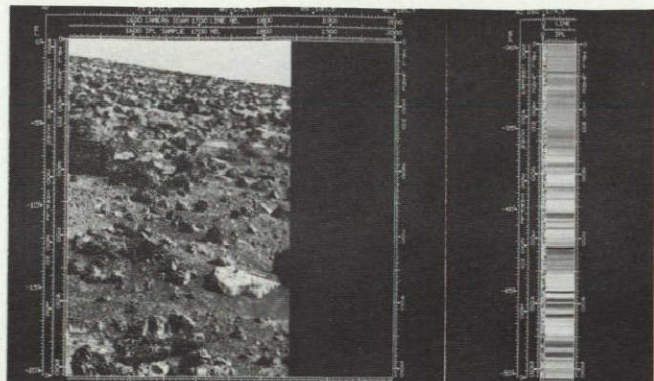


22A097/014 BB3 1/3

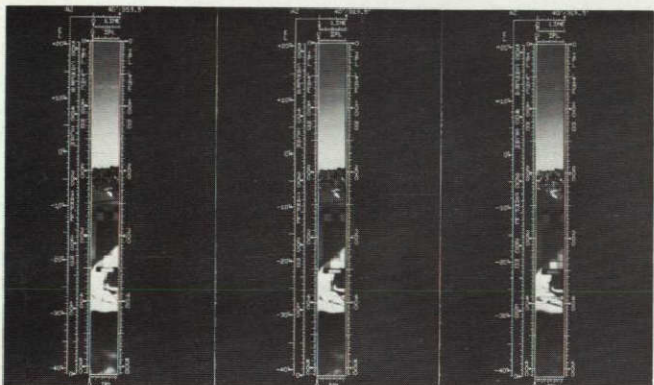
22A097/014-22A104/014



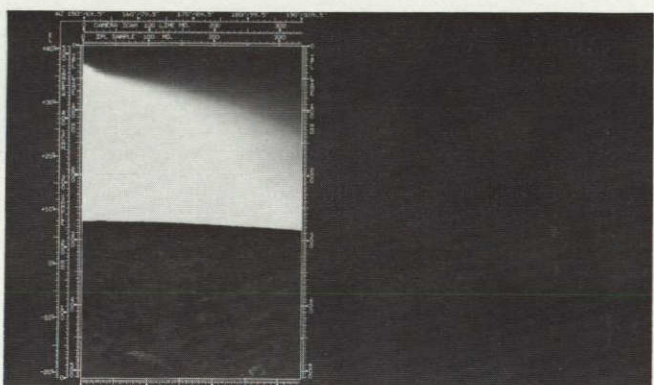
22A097/014 BB3 2/3



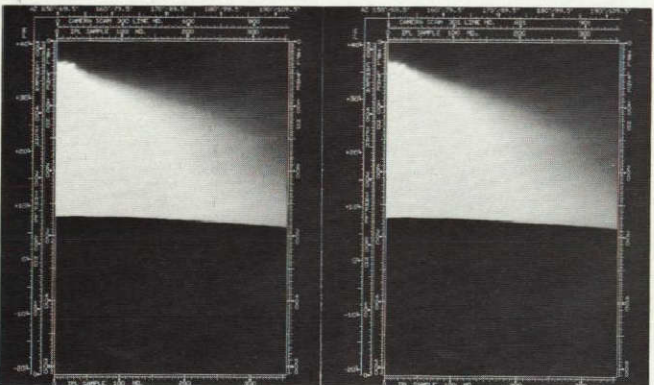
22A097/014 BB3 3/3 21A098/014 BB1



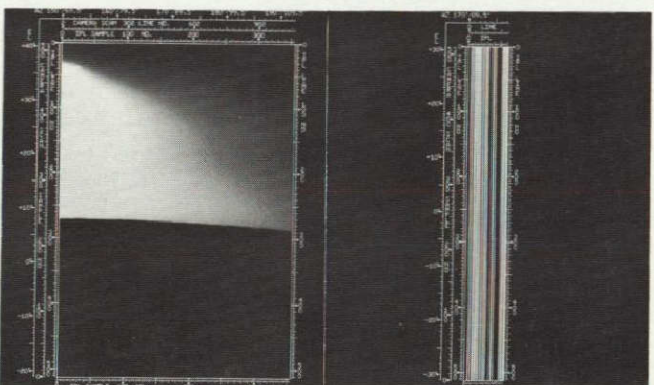
21A099/014 BLU/T 21A099/014 GRN/T 21A099/014 RED/T



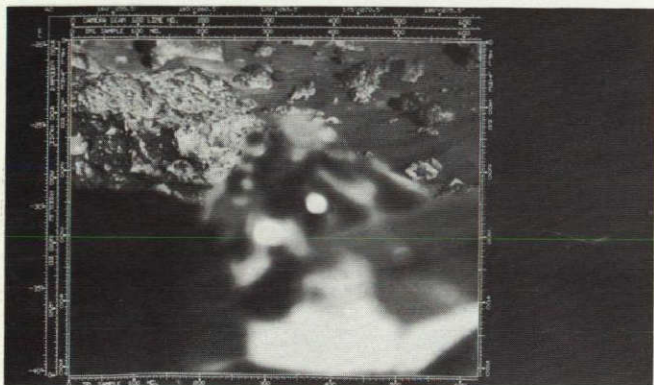
21A100/014 IR2



21A101/014 BLU/T 21A101/014 GRN/T



21A101/014 RED/T 21A102/014 CAL



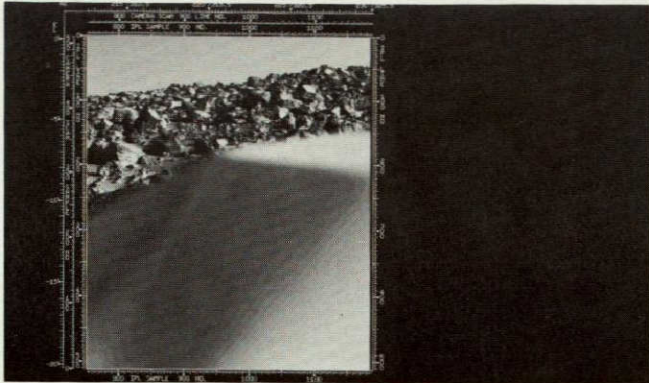
22A103/014 BB2



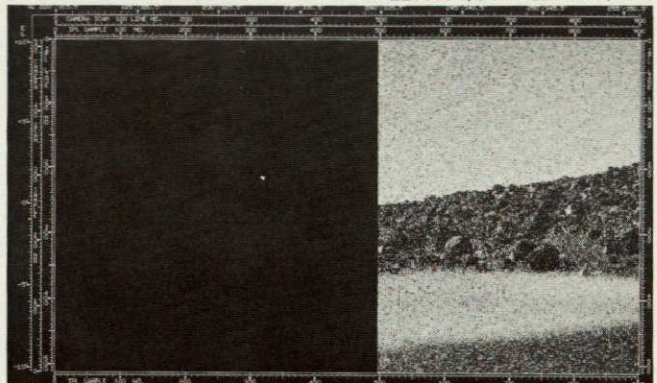
22A104/014 BB4 1/2

VL-2

22A104/014-22A107/015



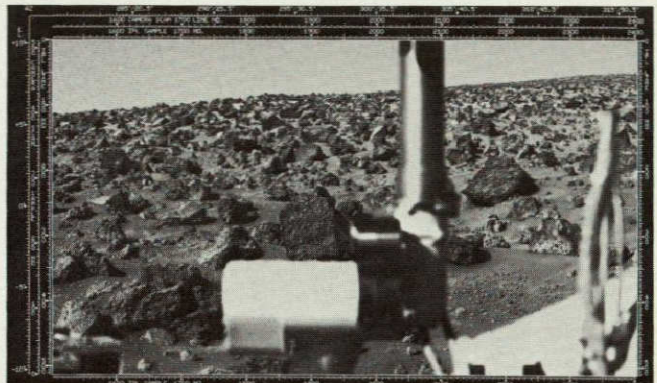
22A104/014 BB4 2/2



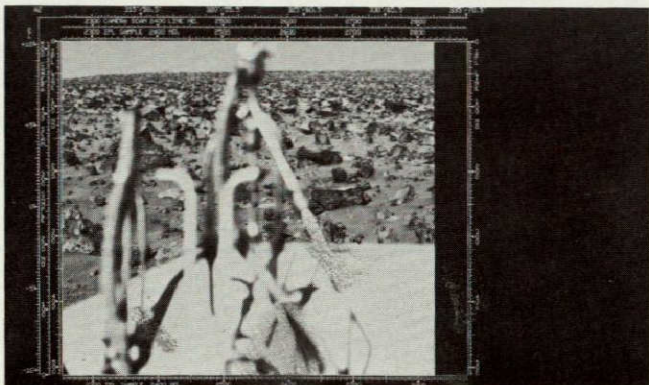
22A105/015 BB4 1/4



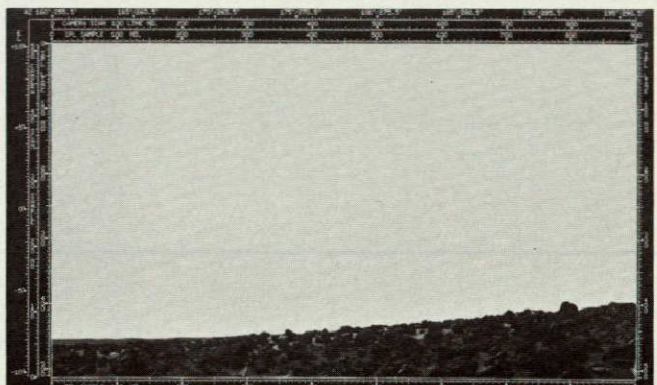
22A105/015 BB4 2/4



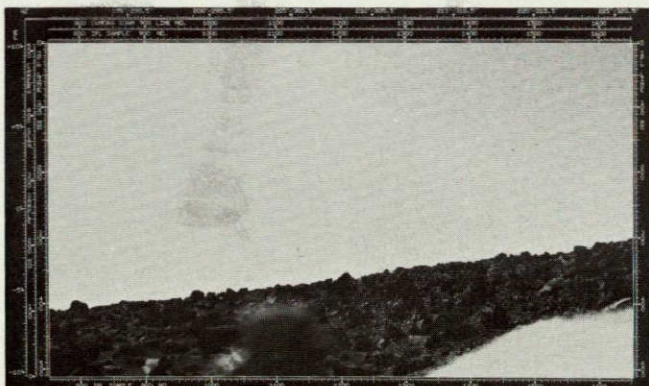
22A105/015 BB4 3/4



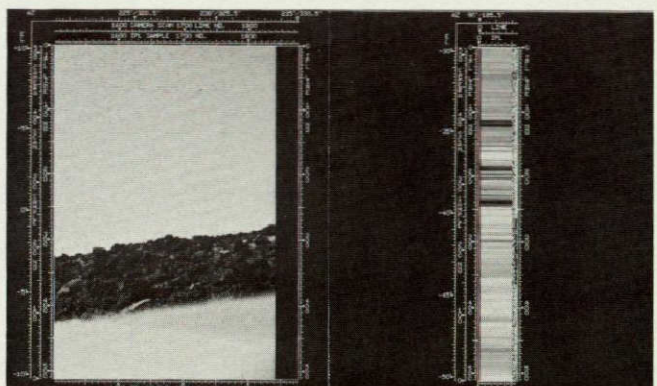
22A105/015 BB4 4/4



22A106/015 BB4 1/3



22A106/015 BB4 2/3



22A106/015 BB4 3/3

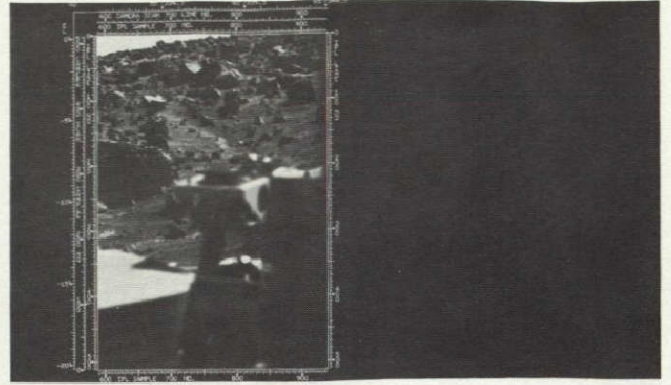
22A107/015 BB1

21A108/015-21A114/016

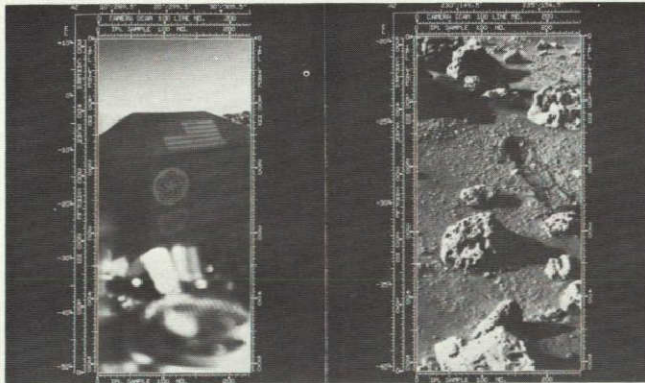
VL-2



21A108/015 BB4 1/2



21A108/015 BB4 2/2

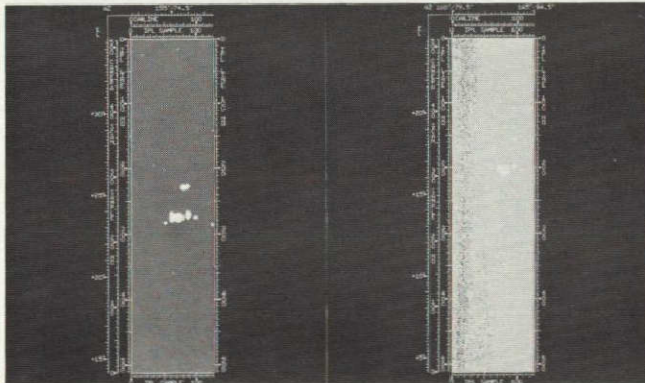


21A109/015 SURV

21A110/015 BB2

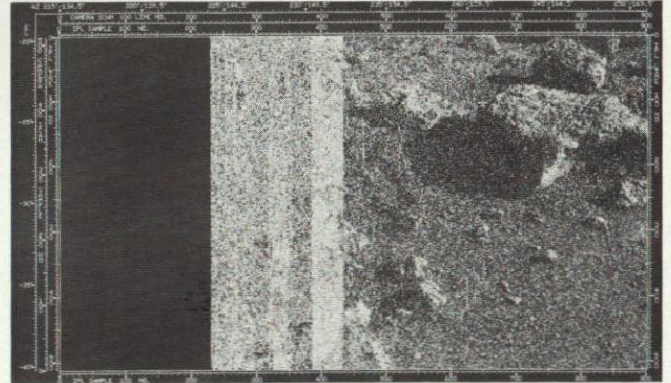


21A111/015 BB3

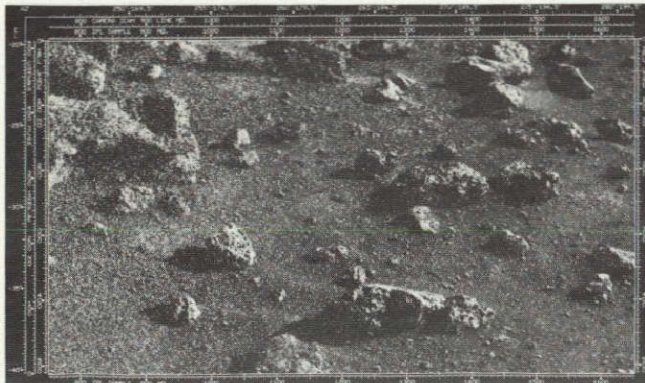


21A112/015 SUN

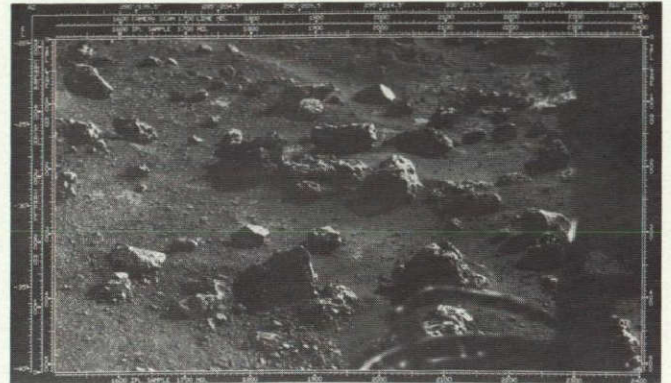
21A113/015 SUN



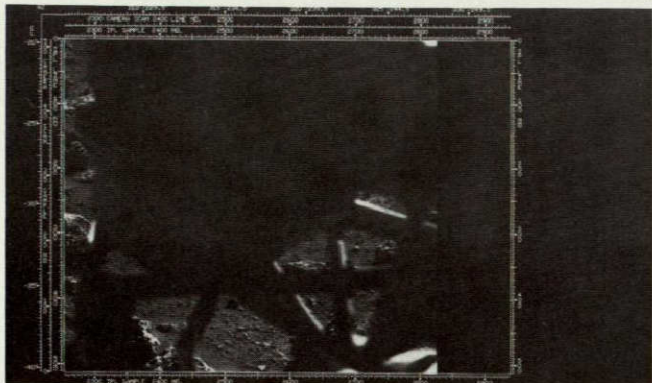
21A114/016 BB2 1/4



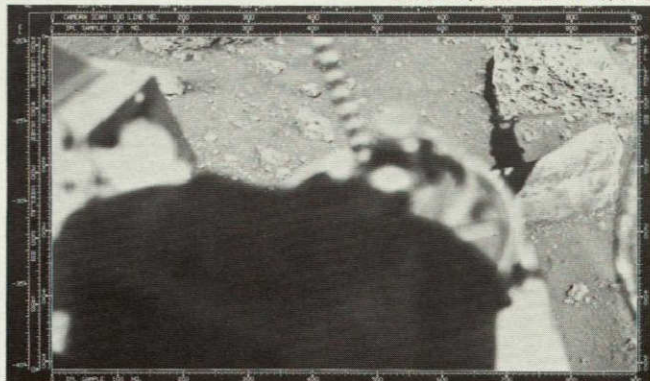
21A114/016 BB2 2/4



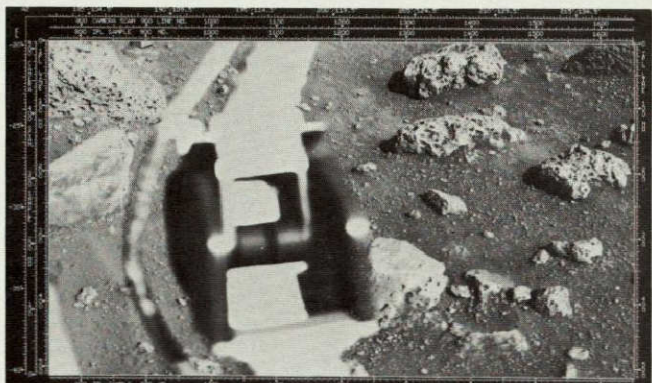
21A114/016 BB2 3/4



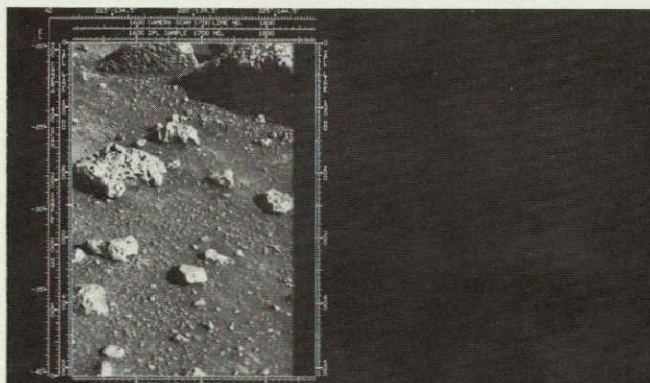
21A114/016 BB2 4/4



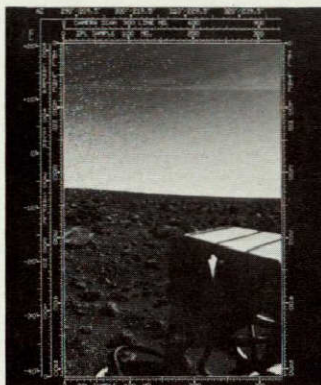
21A115/016 BB2 1/3



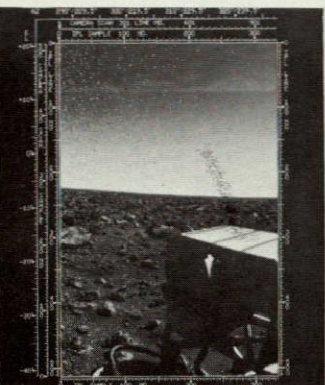
21A115/016 BB2 2/3



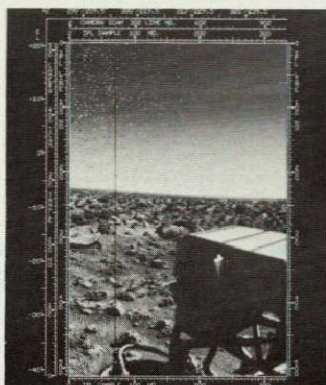
21A115/016 BB2 3/3



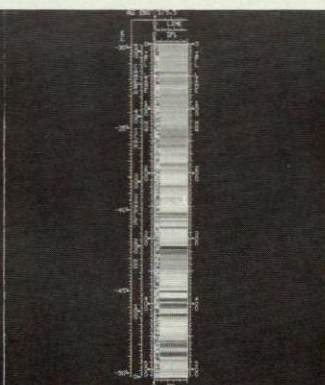
21A116/016 BLU/T



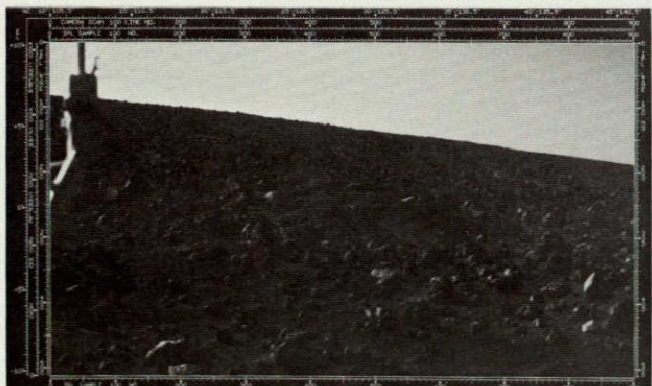
21A116/016 GRN/T



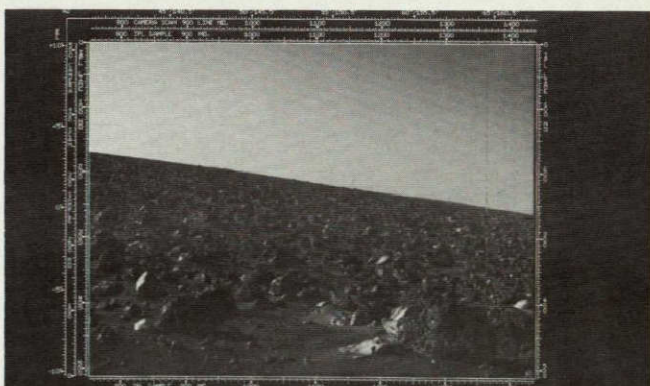
21A116/016 RED/T



21A117/016 BB1



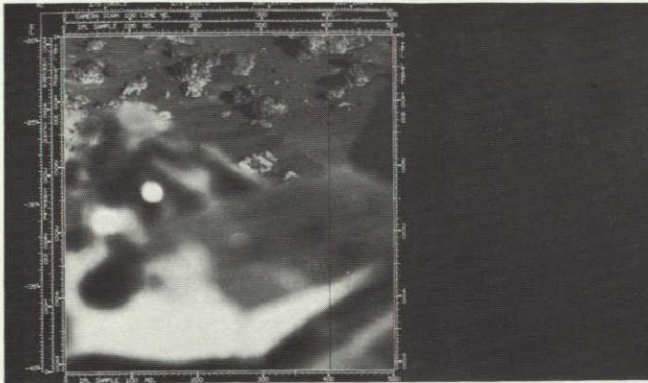
22A118/016 BB4 1/2



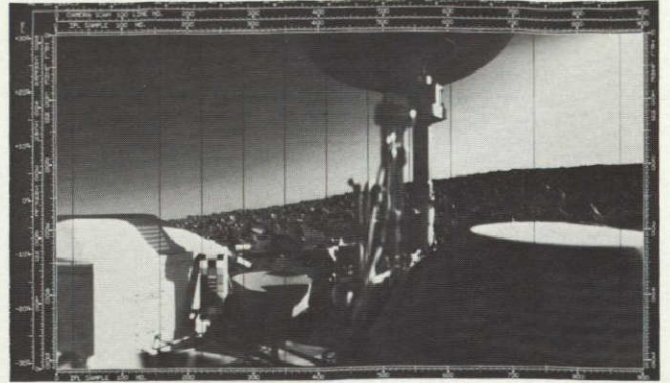
22A118/016 BB4 2/2

22A119/016-21A123/017

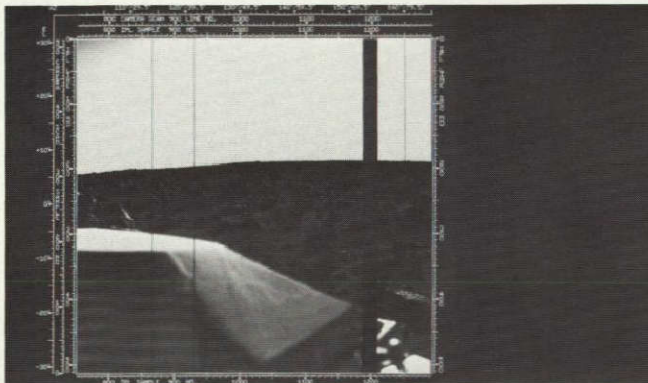
VL-2



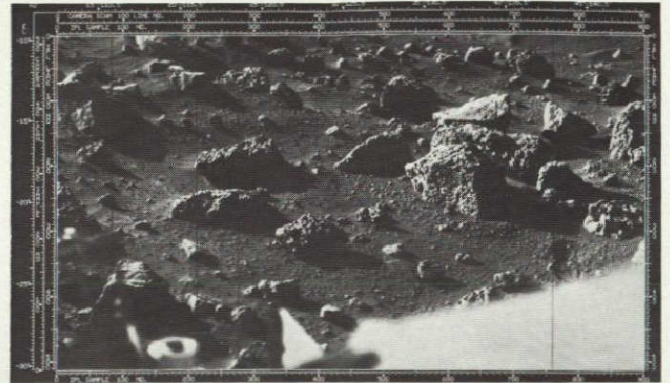
22A119/016 BB3



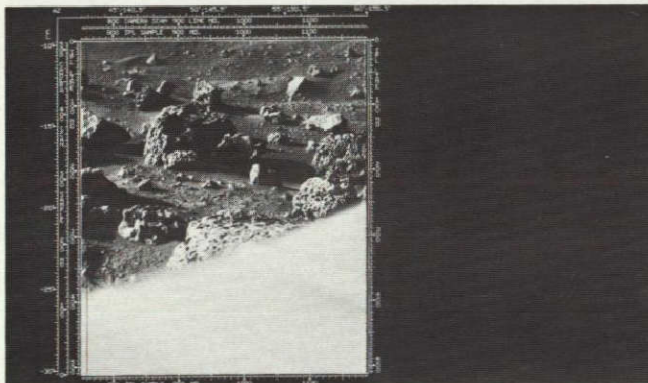
21A120/016 SURV 1/2



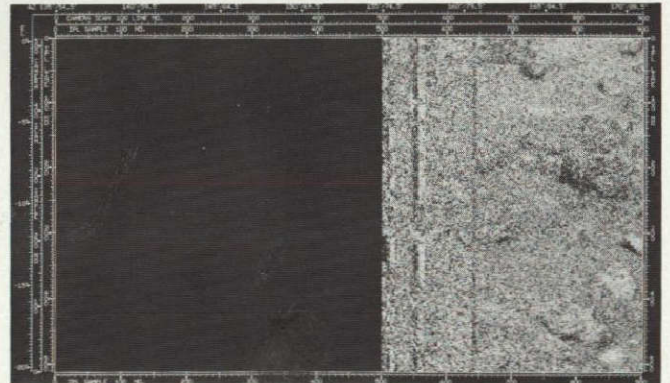
21A120/016 SURV 2/2



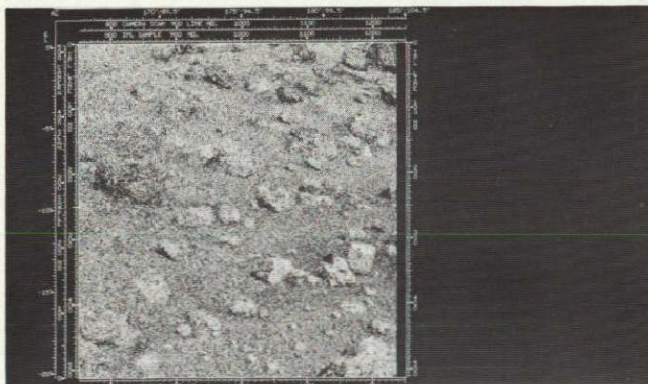
22A121/016 BB3 1/2



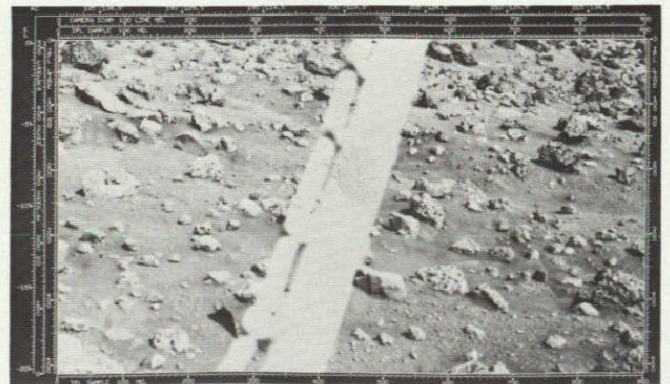
22A121/016 BB3 2/2



21A122/017 BB4 1/2



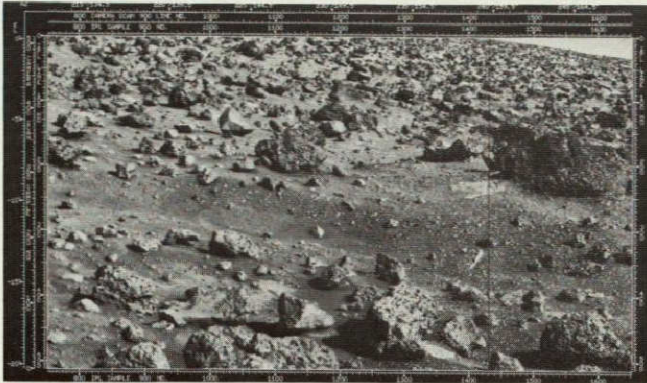
21A122/017 BB4 2/2



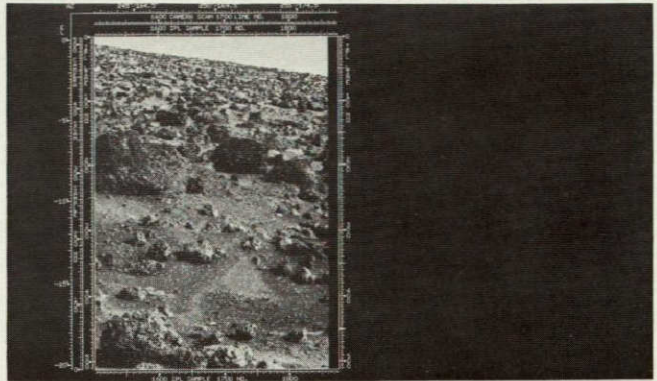
21A123/017 BB4 1/3

VL-2

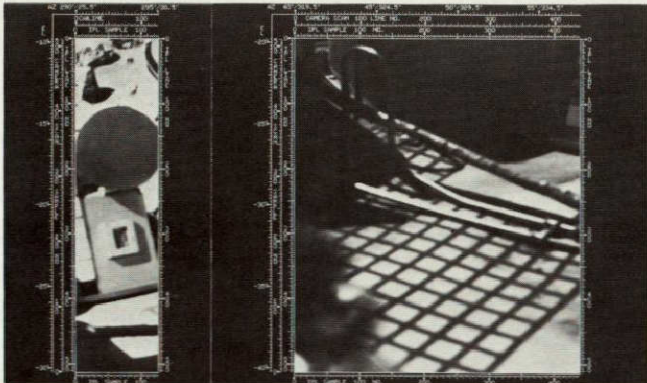
21A123/017-21A130/018



21A123/017 BB4 2/3

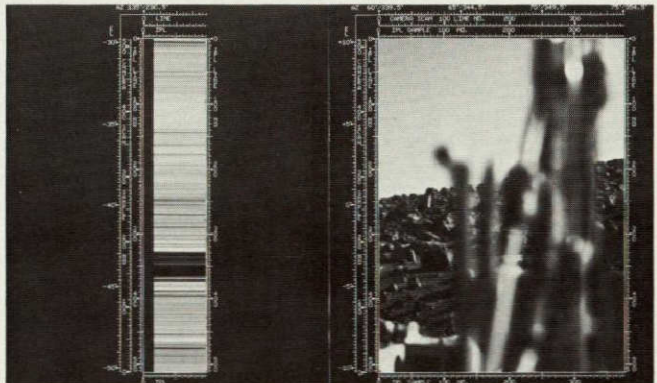


21A123/017 BB4 3/3



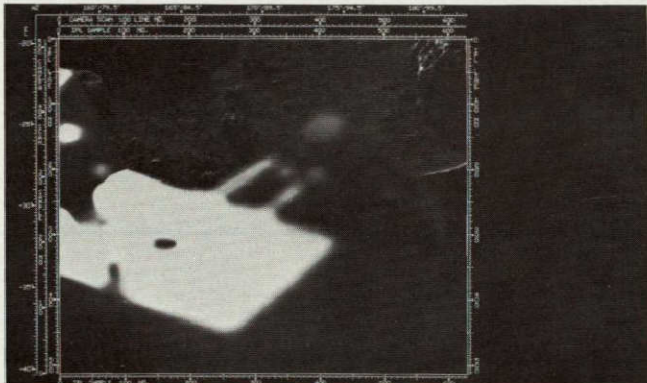
22A124/017 BB1

21A125/017 BB1



22A126/017 BB1

21A127/017 BB4



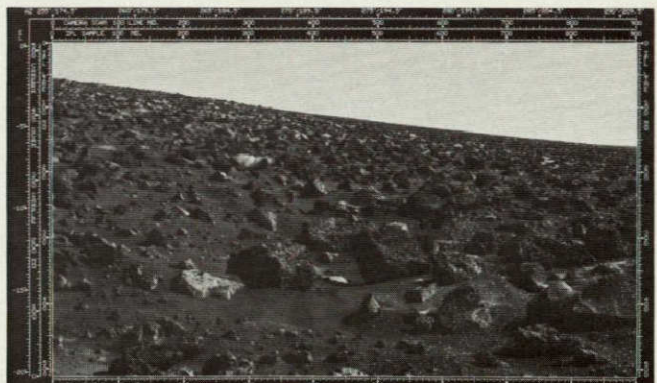
21A128/017 BB2



21A129/018 BB4 1/2



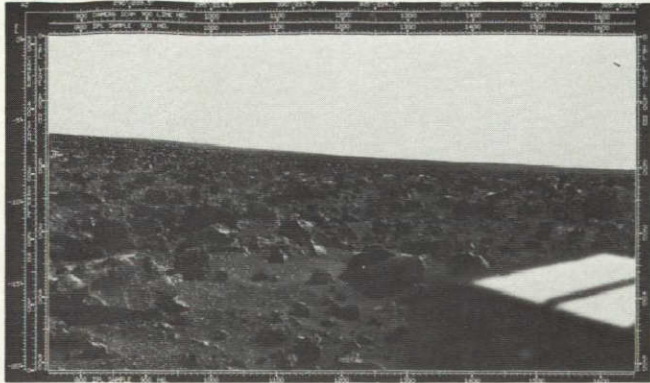
21A129/018 BB4 2/2



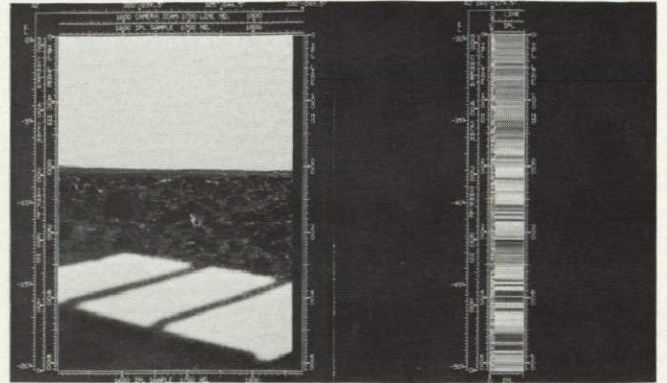
21A130/018 BB4 1/3

21A130/018-22A135/018

VL-2

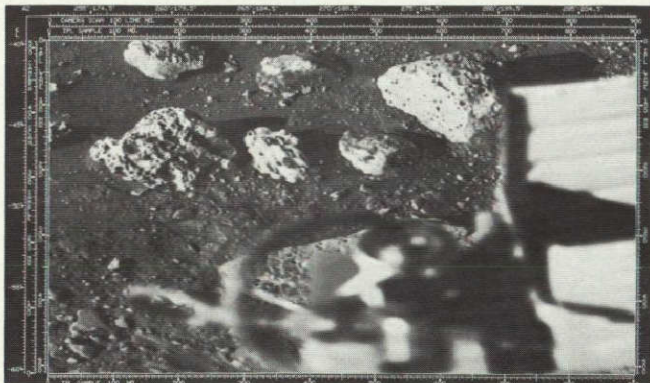


21A130/018 BB4 2/3

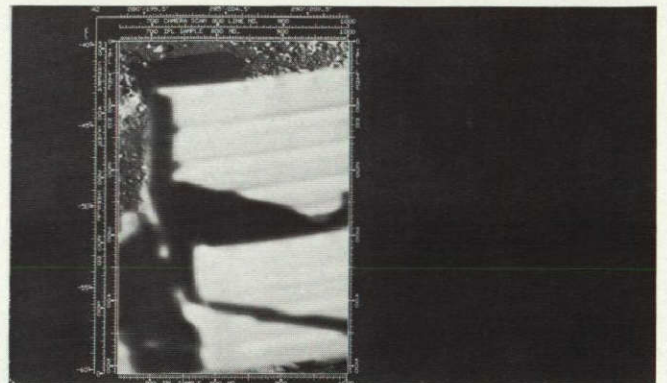


21A130/018 BB4 3/3

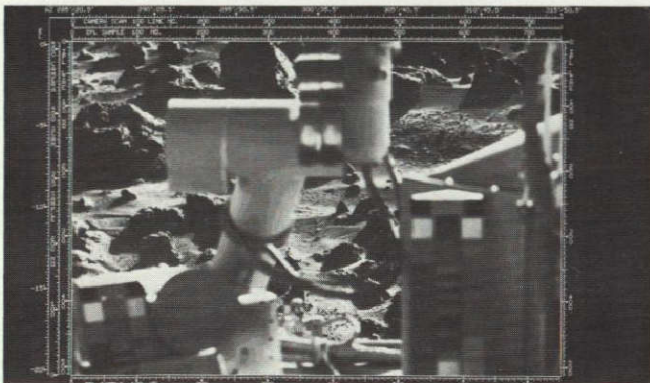
21A131/018 BB1



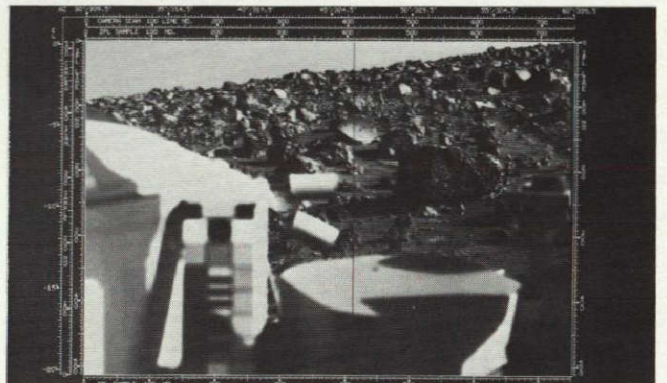
21A132/018 BB1 1/2



21A132/018 BB1 2/2



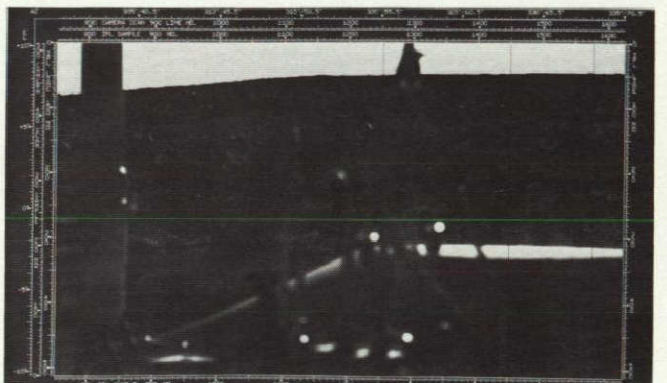
22A133/018 BB3



21A134/018 BB4



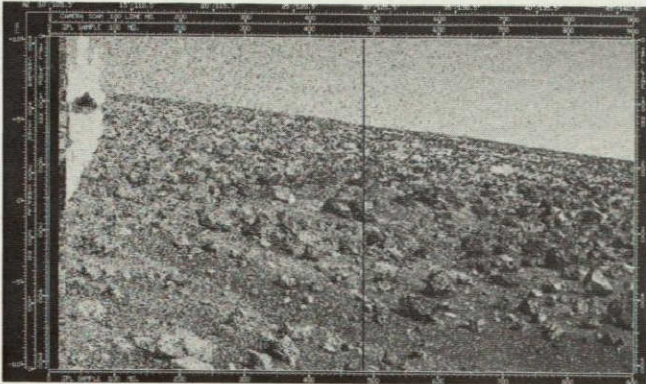
22A135/018 BB4 1/2



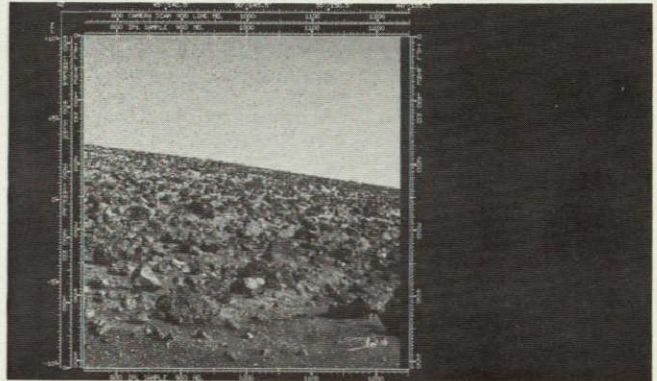
22A135/018 BB4 2/2

VL-2

22A136/019-22A140/019



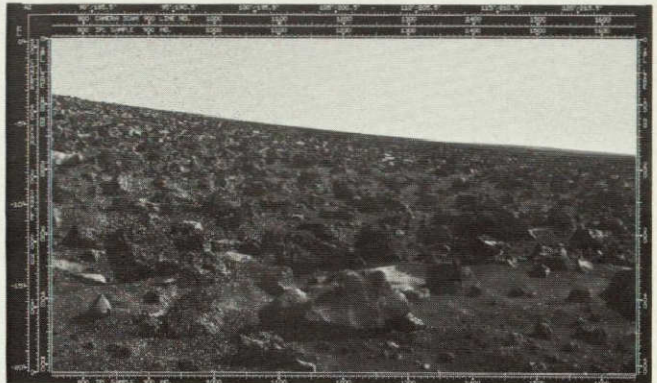
22A136/019 BB4 1/2



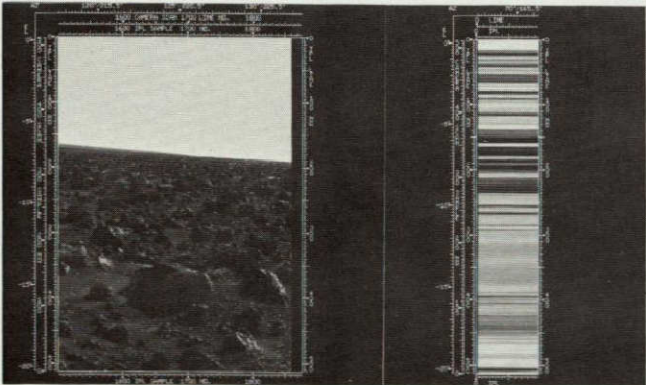
22A136/019 BB4 2/2



22A137/019 BB4 1/3

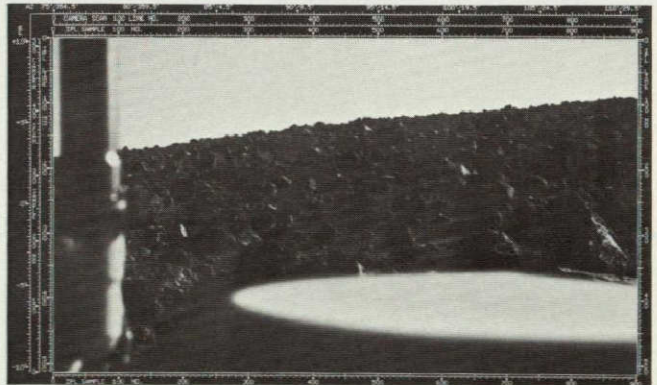


22A137/019 BB4 2/3

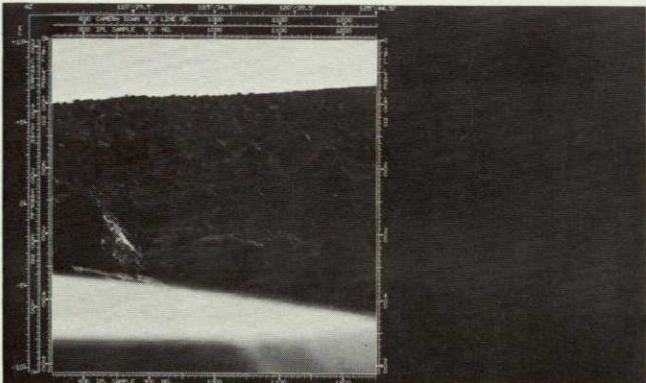


22A137/019 BB4 3/3

22A138/019 BB3



21A139/019 BB4 1/2



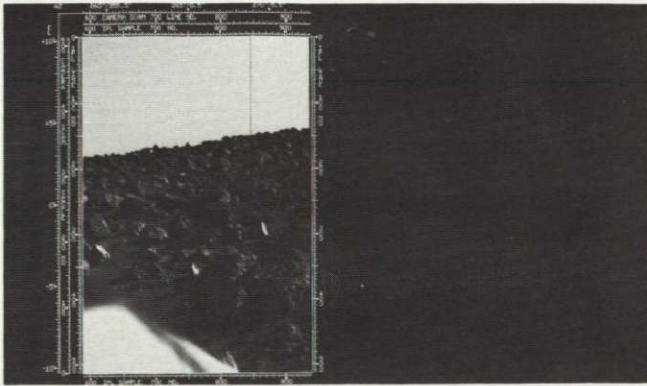
21A139/019 BB4 2/2



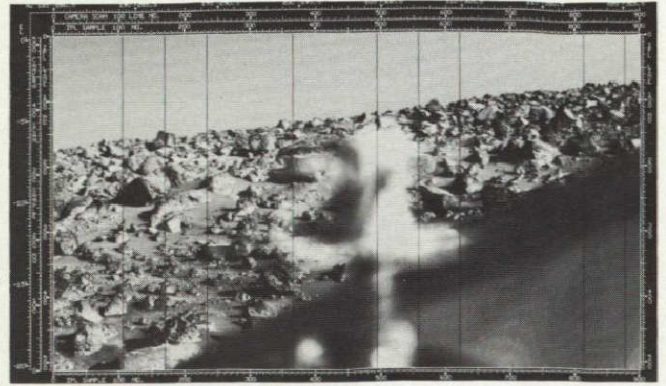
22A140/019 BB4 1/2

22A140/019-22A144/020

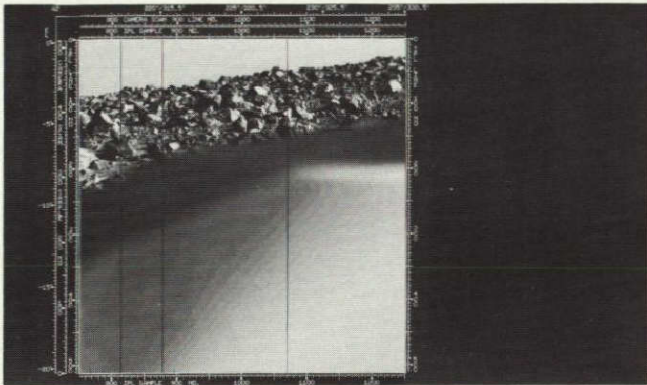
VL-2



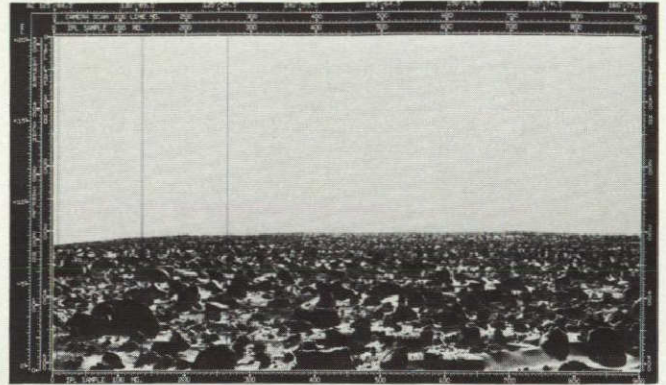
22A140/019 BB4 2/2



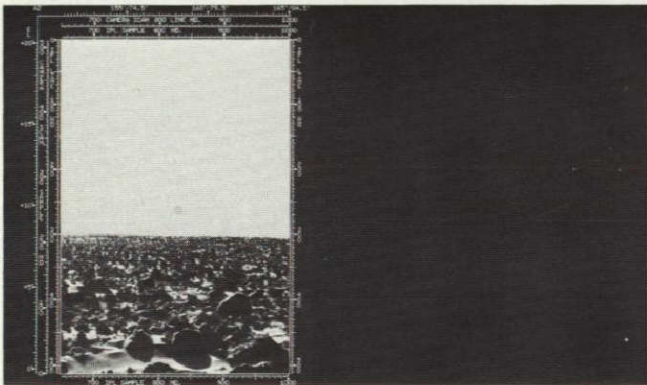
22A141/019 BB4 1/2



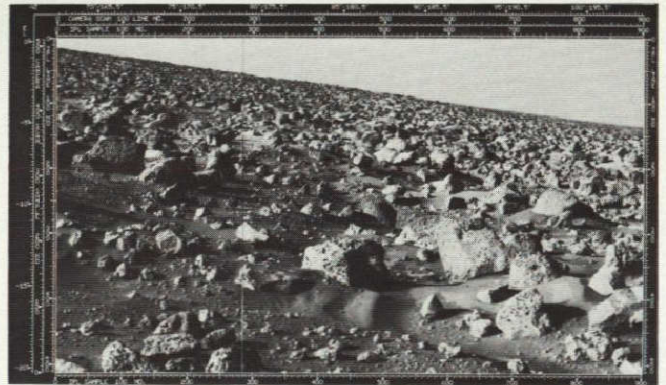
22A141/019 BB4 2/2



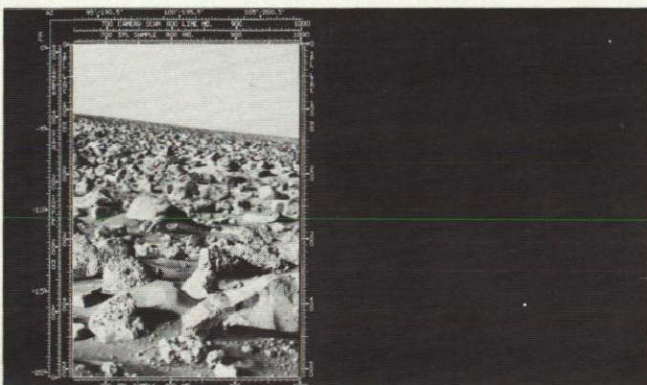
21A142/019 BB4 1/2



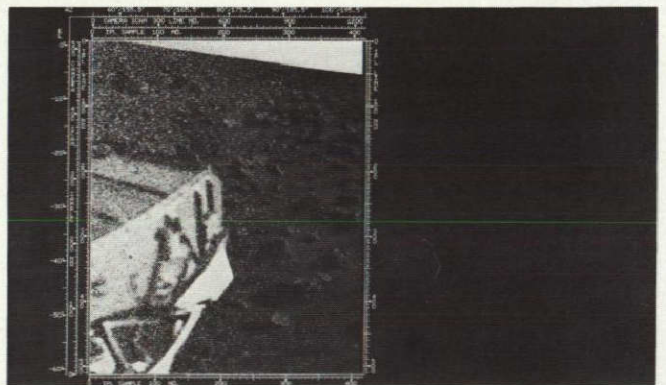
21A142/019 BB4 2/2



22A143/019 BB4 1/2



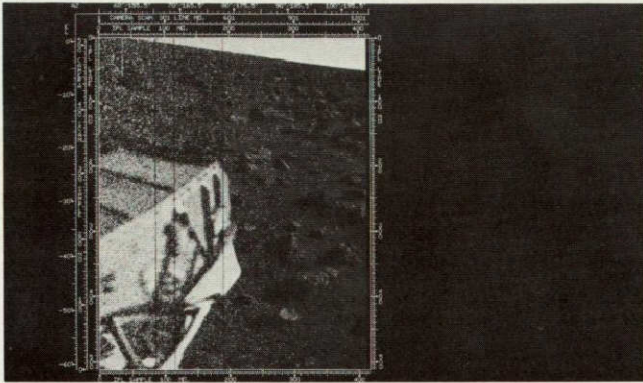
22A143/019 BB4 2/2



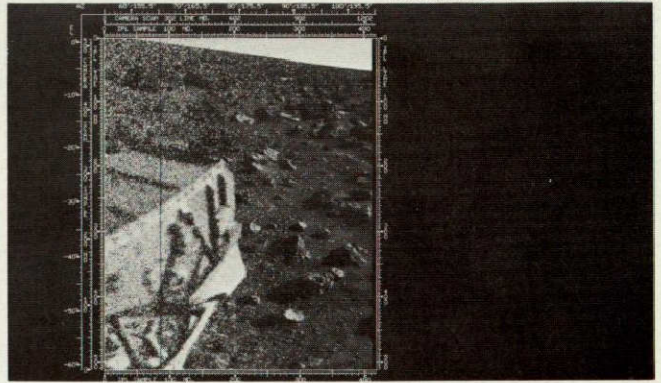
22A144/020 BLU/T

VL-2

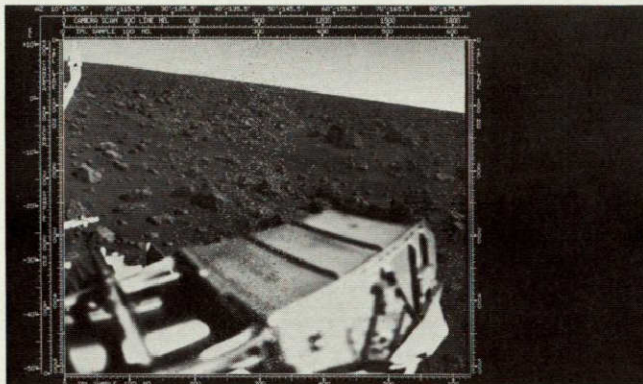
22A144/020-21A147/020



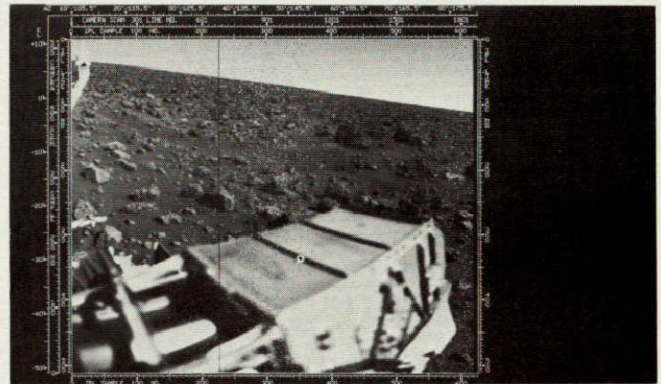
22A144/020 GRN/T



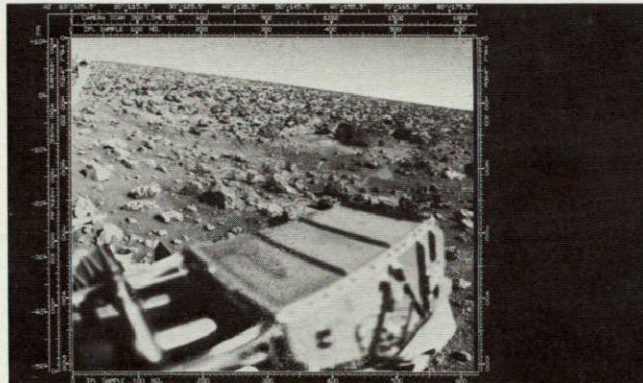
22A144/020 RED/T



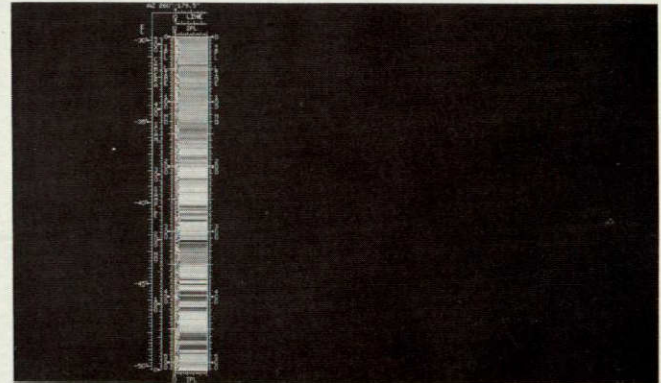
22A145/020 BLU/T



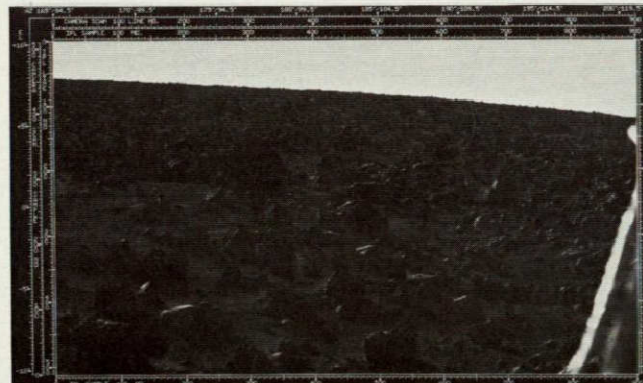
22A145/020 GRN/T



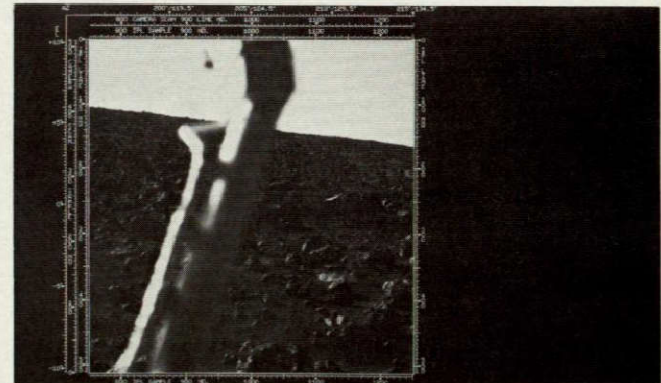
22A145/020 RED/T



21A146/020 BB1



21A147/020 BB4 1/2



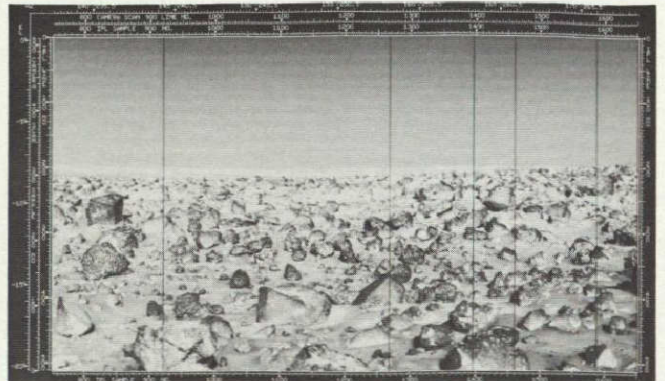
21A147/020 BB4 2/2

22A148/020-22A152/021

VL-2



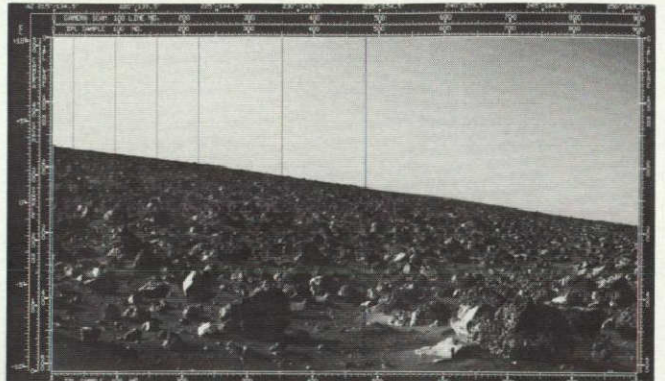
22A148/020 BB4 1/3



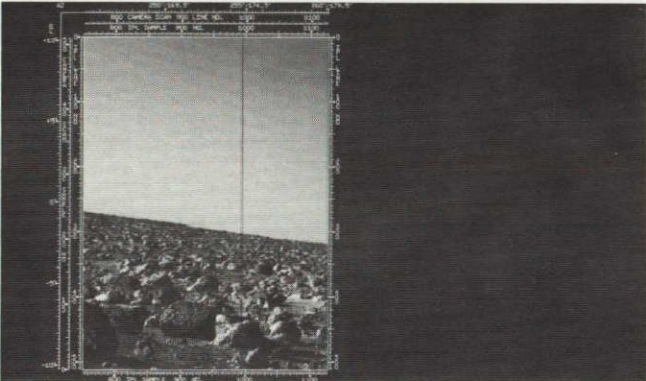
22A148/020 BB4 2/3



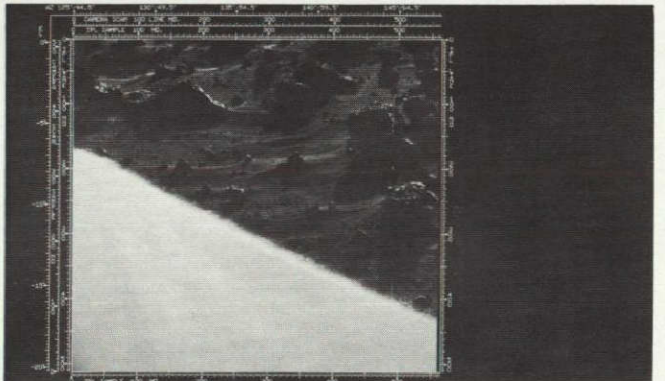
22A148/020 BB4 3/3



21A149/020 BB4 1/2



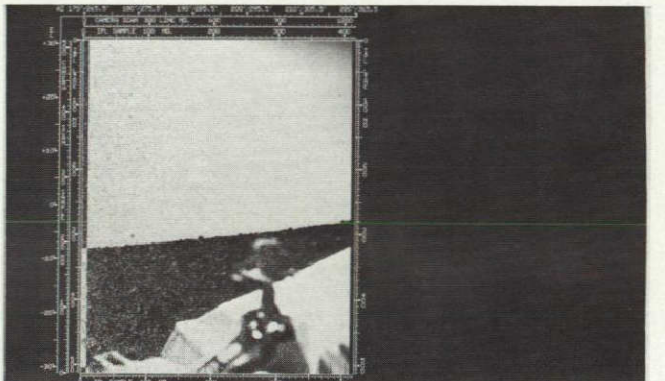
21A149/020 BB4 2/2



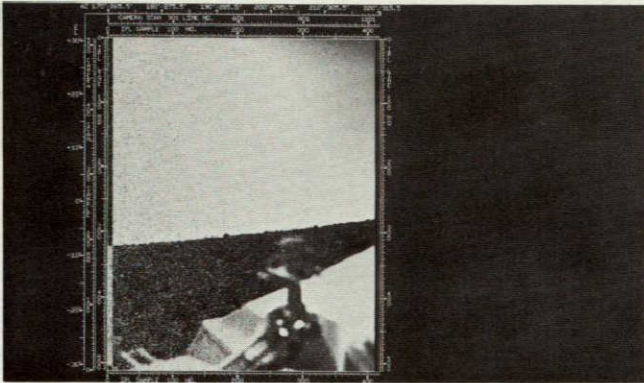
21A150/020 BB3



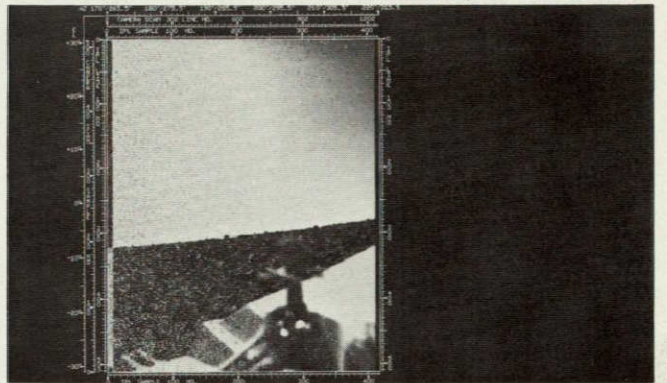
21A151/020 BB4



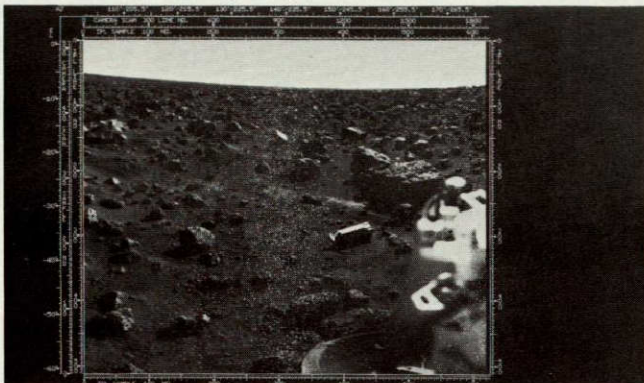
22A152/021 BLU/T



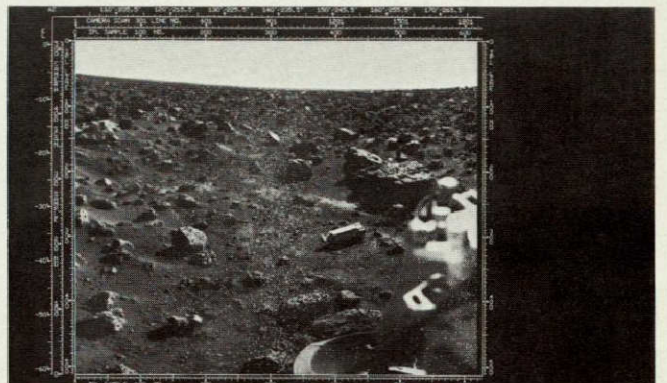
22A152/021 GRN/T



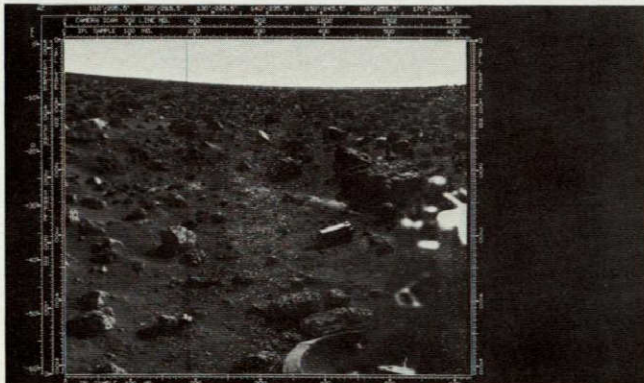
22A152/021 RED/T



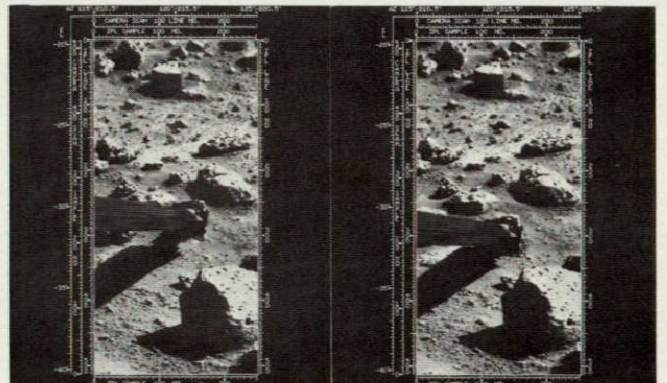
22A153/021 BLU/T



22A153/021 GRN/T

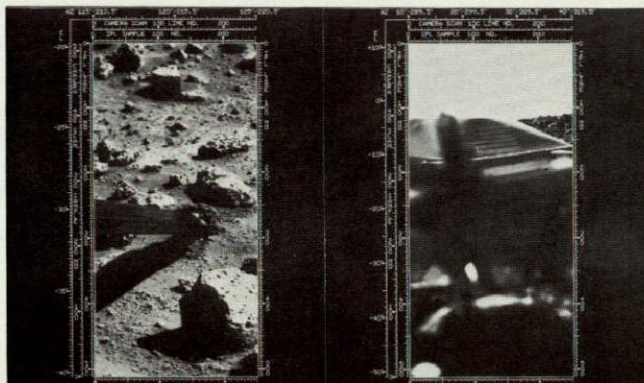


22A153/021 RED/T



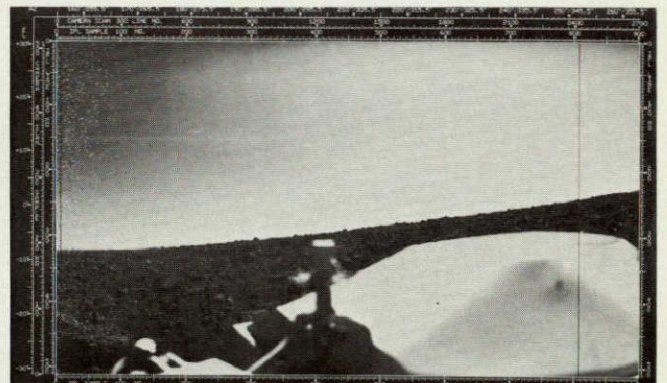
22A154/021 BB2

22A155/021 BB2



22A156/021 BB2

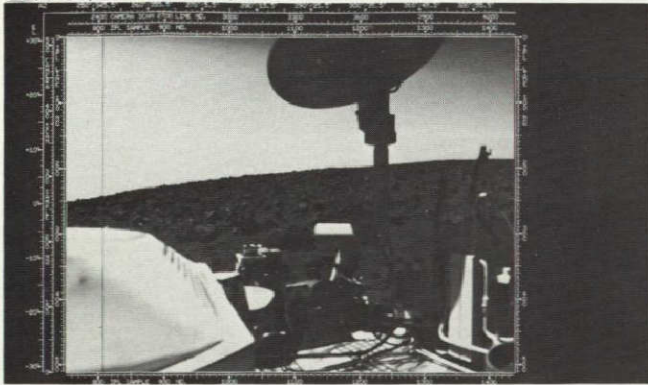
21A157/021 SURV



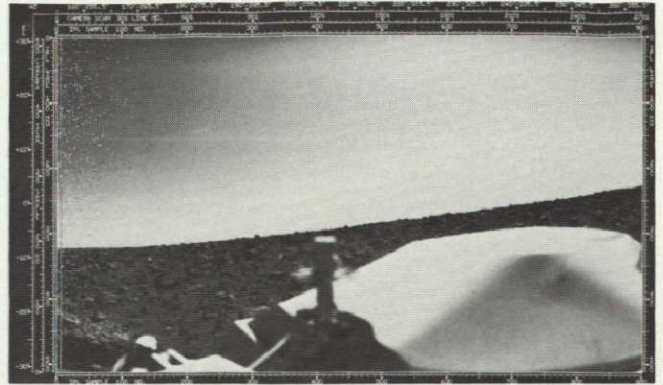
22A158/021 BLU/T 1/2

22A158/021-22A159/021

VL-2



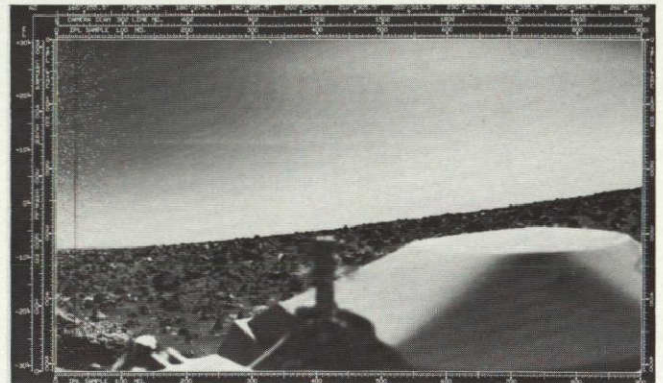
22A158/021 BLU/T 2/2



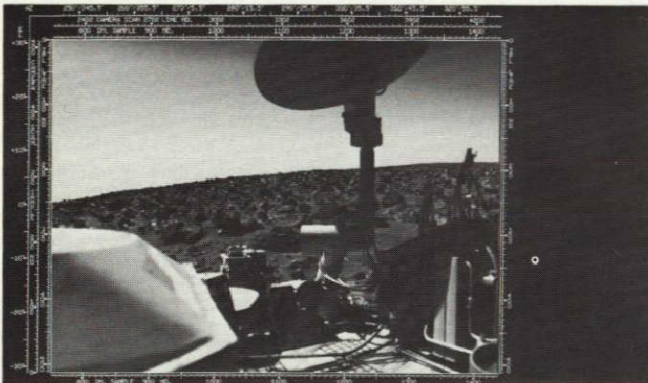
22A158/021 GRN/T 1/2



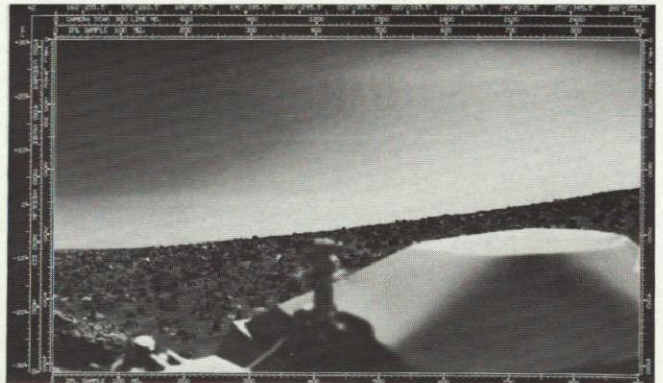
22A158/021 GRN/T 2/2



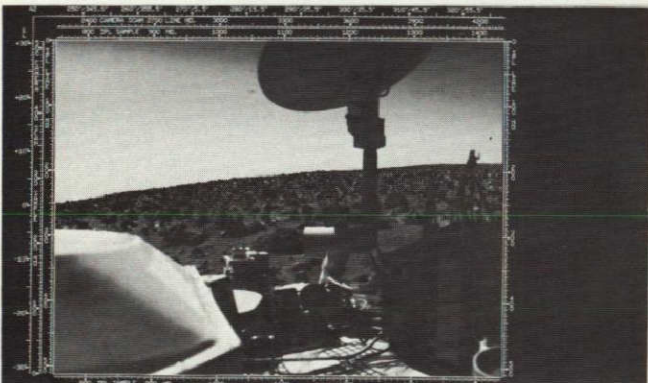
22A158/021 RED/T 1/2



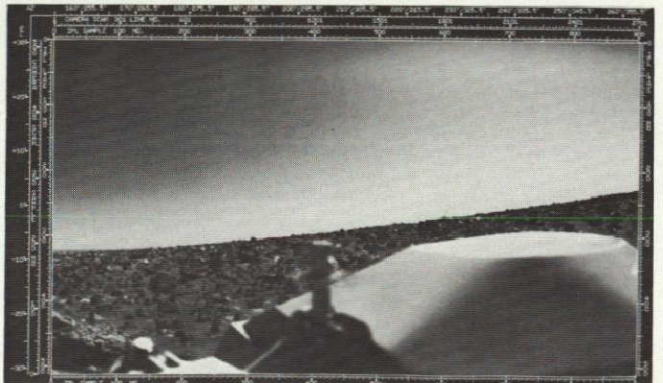
22A158/021 RED/T 2/2



22A159/021 IR3/T 1/2



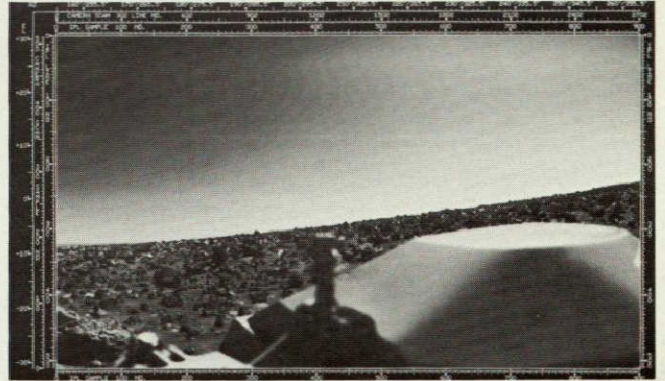
22A159/021 IR3/T 2/2



22A159/021 IR2/T 1/2



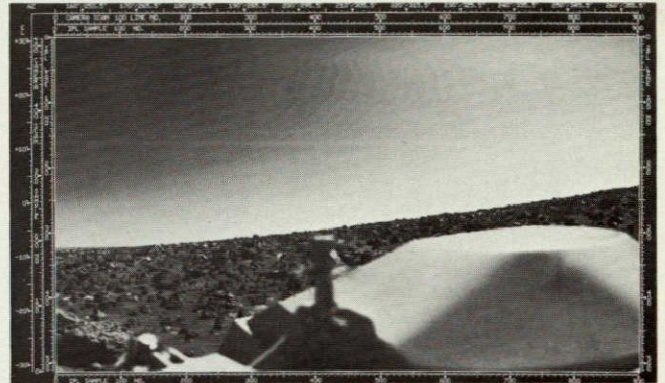
22A159/021 IR2/T 2/2



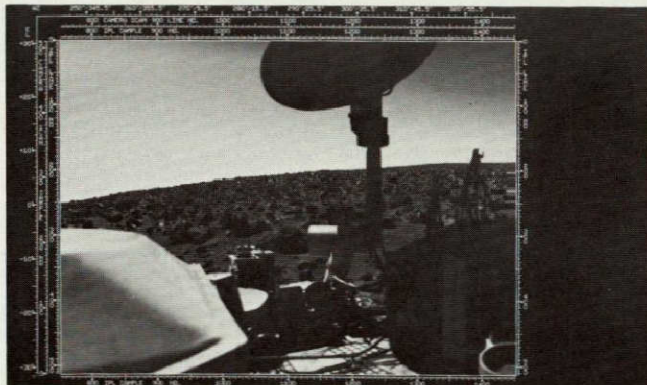
22A159/021 IR1/T 1/2



22A159/021 IR1/T 2/2



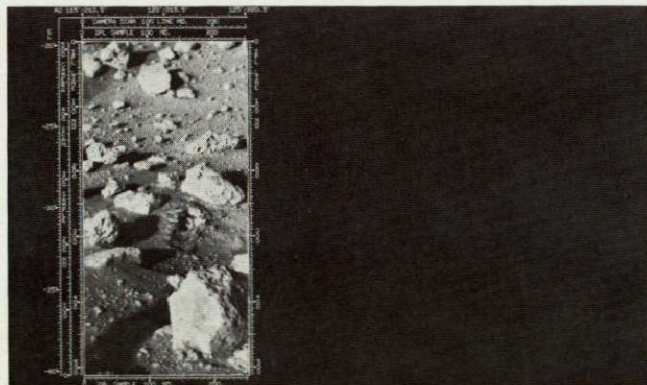
22A160/021 SURV 1/2



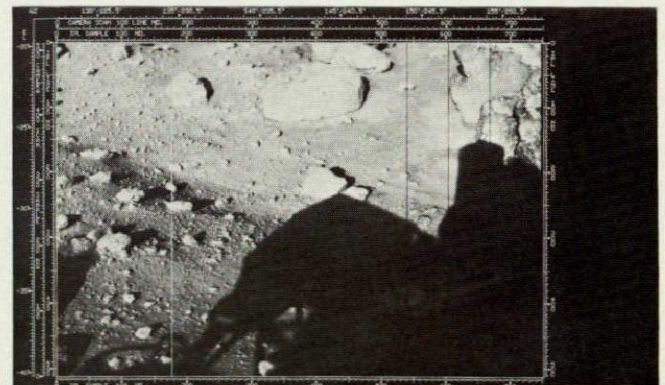
22A160/021 SURV 2/2



21A161/021 BB4



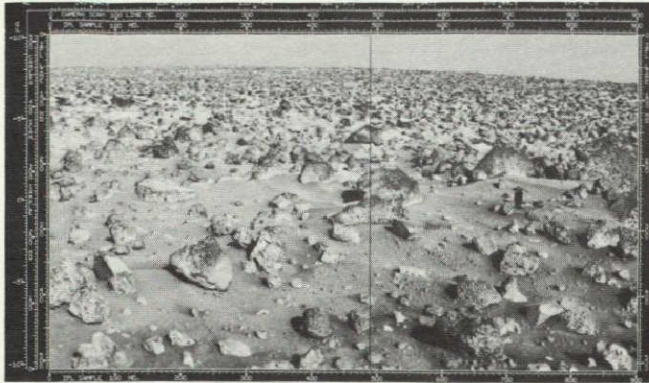
22A162/021 BB2



22A163/021 BB2

21A164/022-22A166/022

VL-2



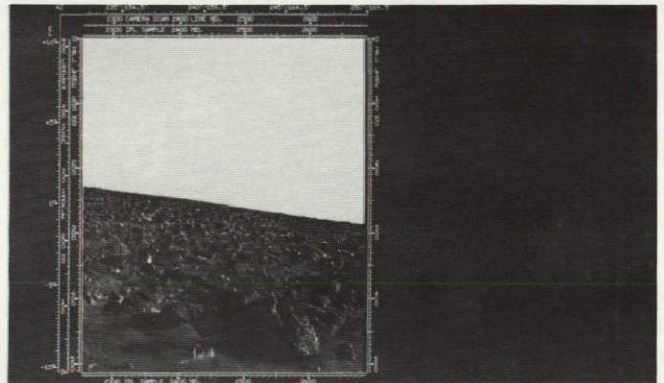
21A164/022 BB4 1/4



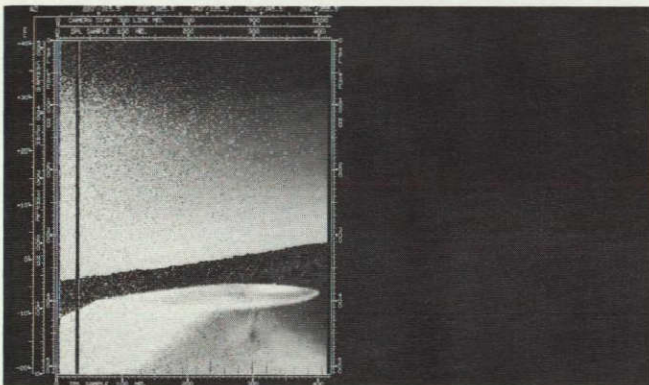
21A164/022 BB4 2/4



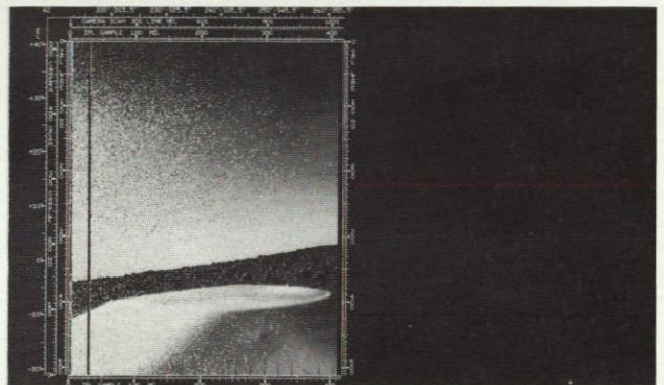
21A164/022 BB4 3/4



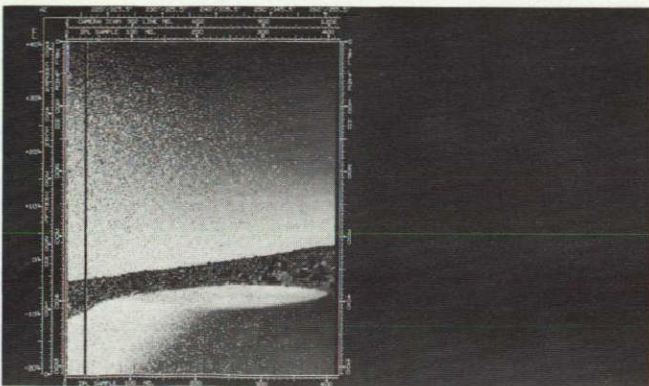
21A164/022 BB4 4/4



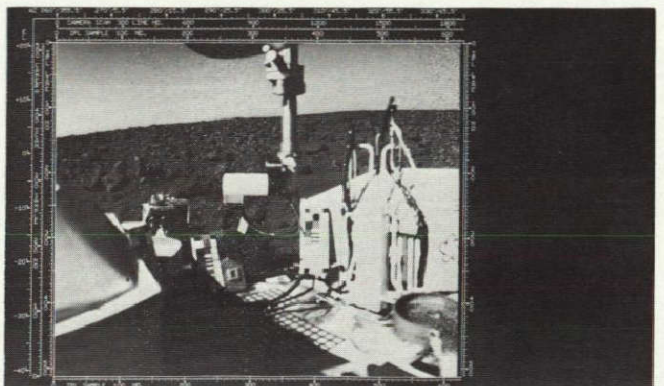
22A165/022 BLU/T



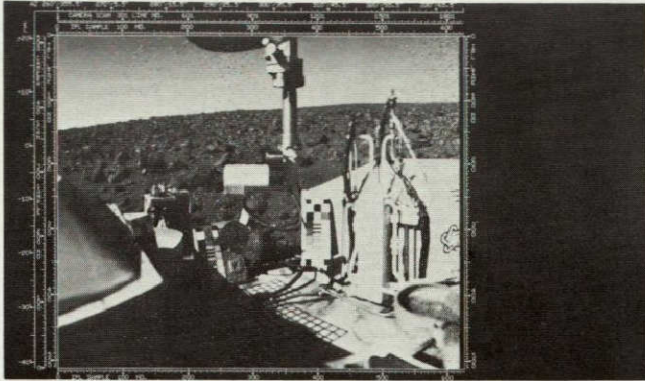
22A165/022 GRN/T



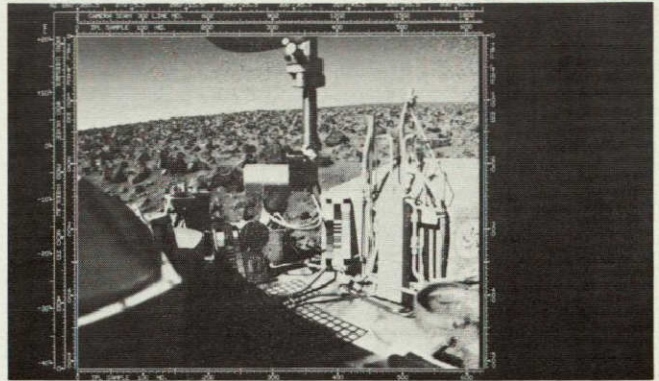
22A165/022 RED/T



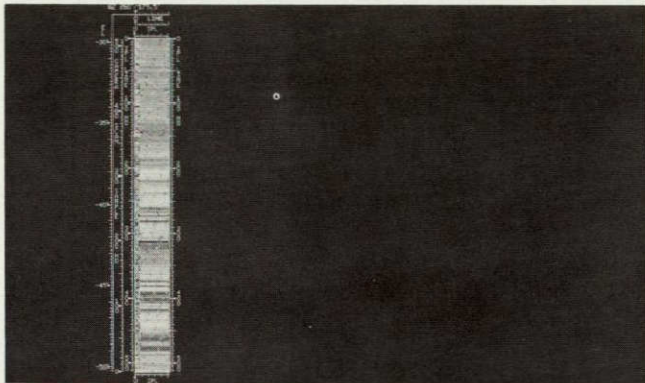
22A166/022 BLU/T



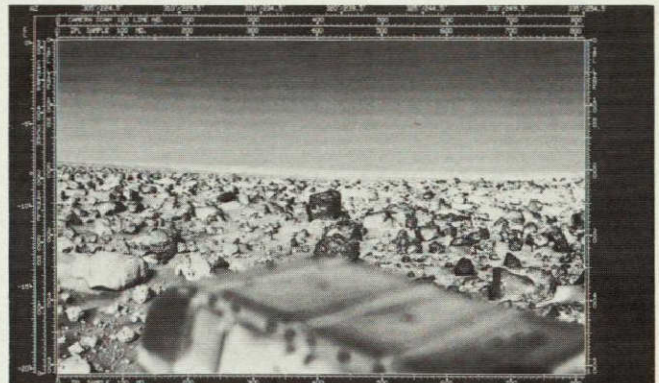
22A166/022 GRN/T



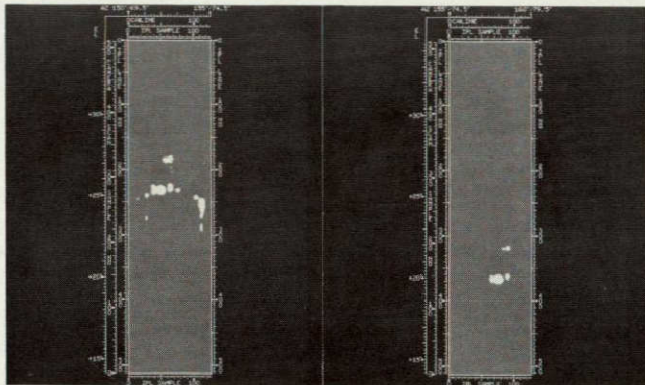
22A166/022 RED/T



21A167/022 BB1

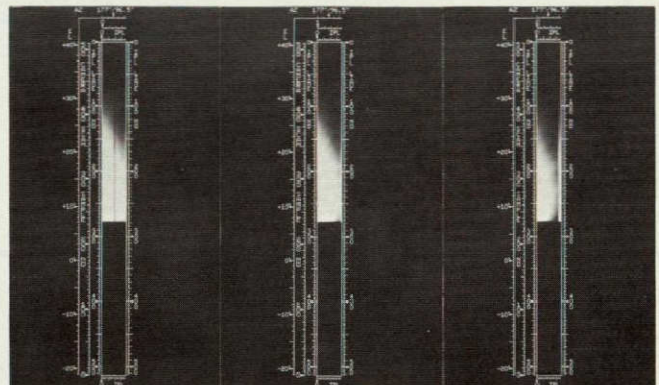


21A168/022 BB4



21A169/022 SUN

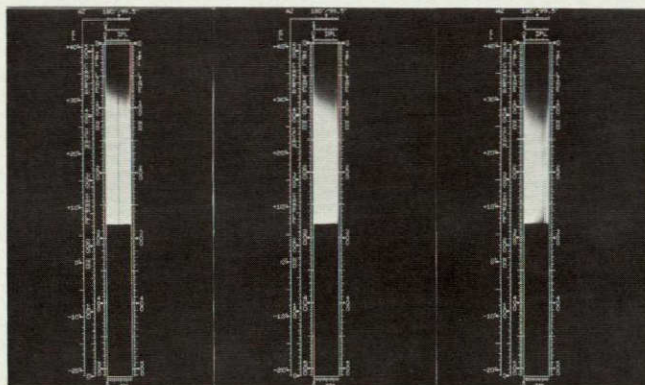
21A170/022 SUN



21A171/022 BLU/T

21A171/022 GRN/T

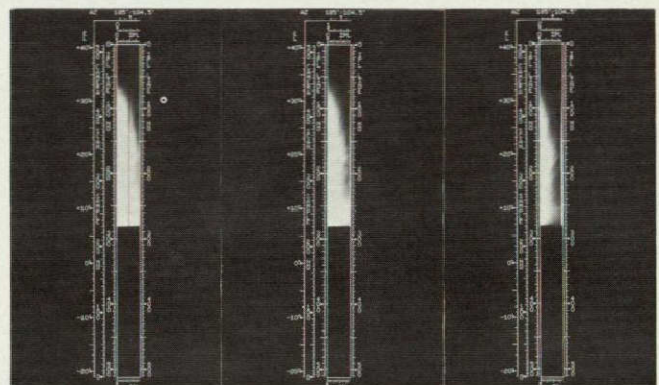
21A171/022 RED/T



21A172/022 BLU/T

21A172/022 GRN/T

21A172/022 RED/T



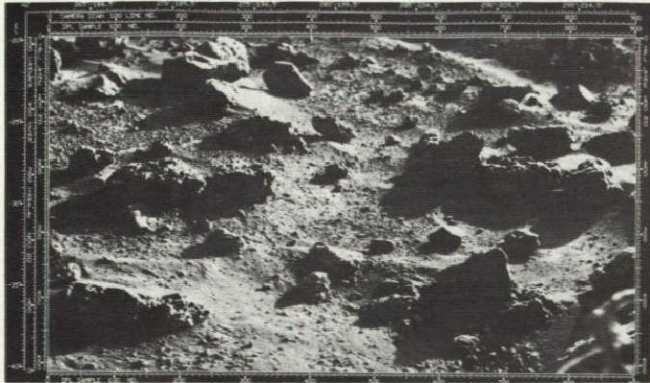
21A173/022 BLU/T

21A173/022 GRN/T

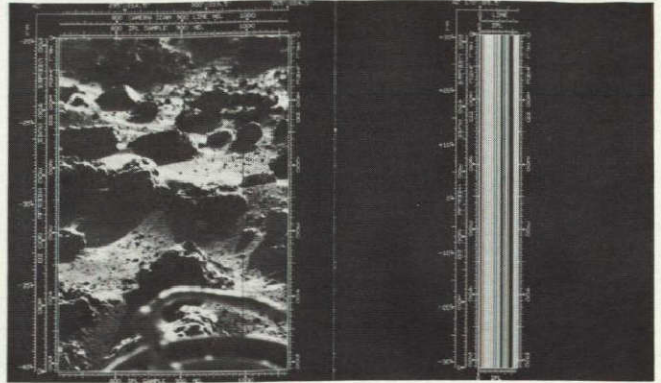
21A173/022 RED/T

21A174/023-21A179/023

VL-2

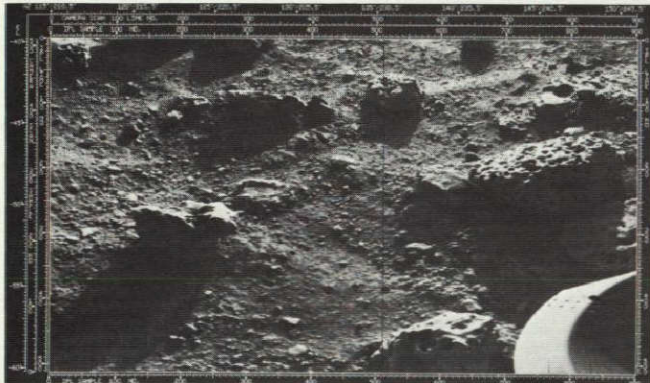


21A174/023 BB2 1/2

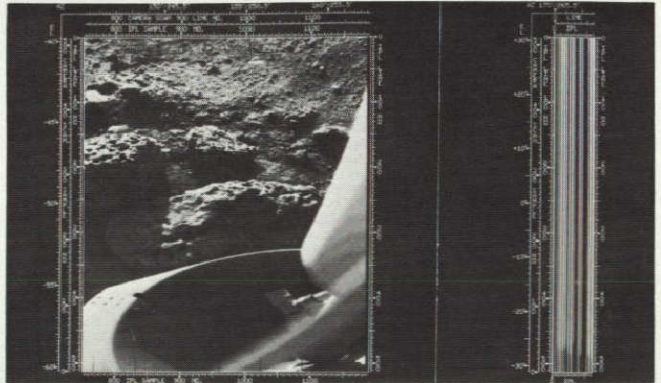


21A174/023 BB2 2/2

21A175/023 CAL

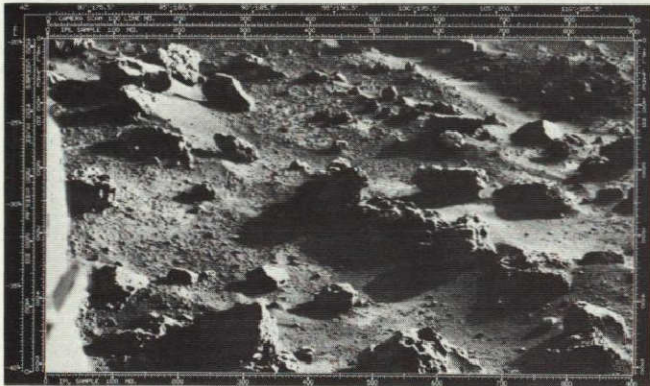


22A176/023 BB1 1/2

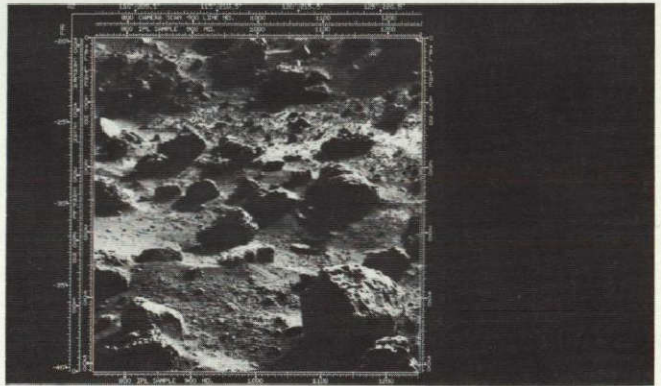


22A176/023 BB1 2/2

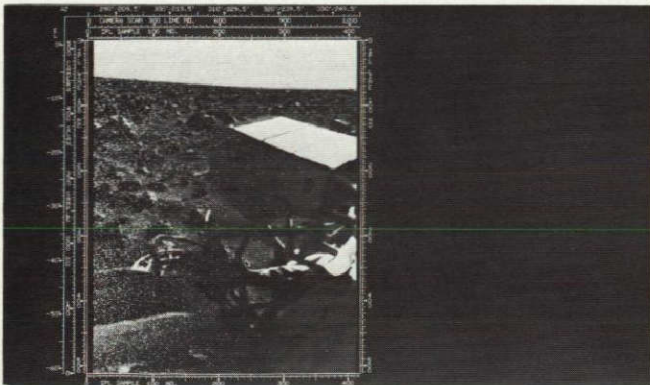
22A177/023 CAL



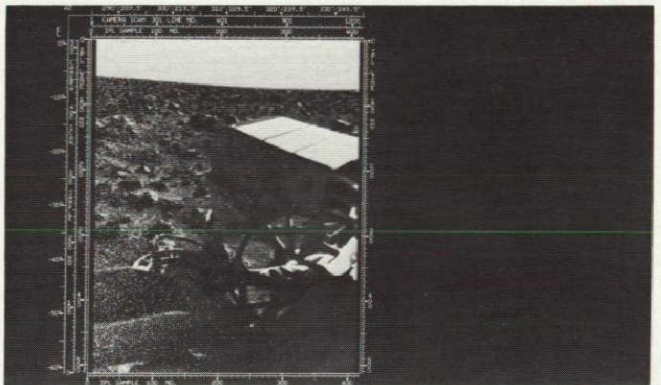
22A178/023 BB2 1/2



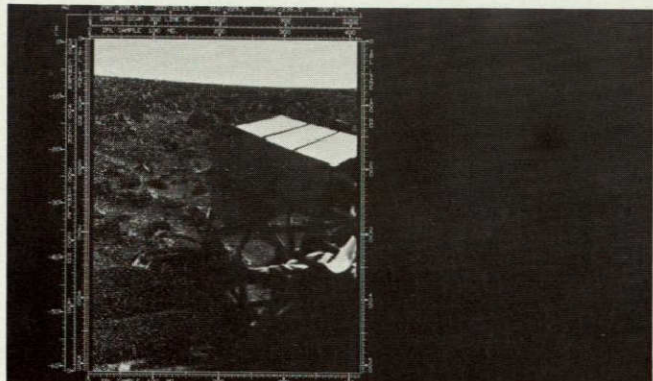
22A178/023 BB2 2/2



21A179/023 BLU/T



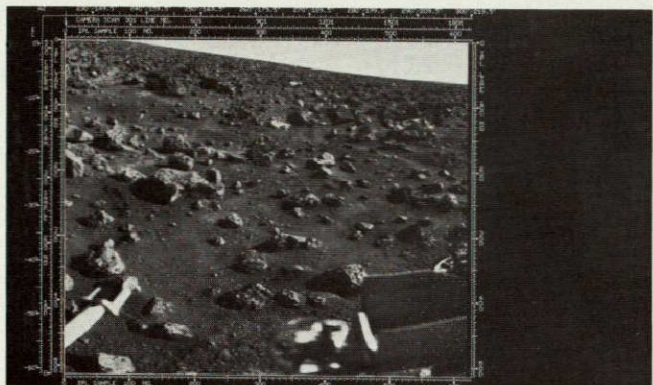
21A179/023 GRN/T



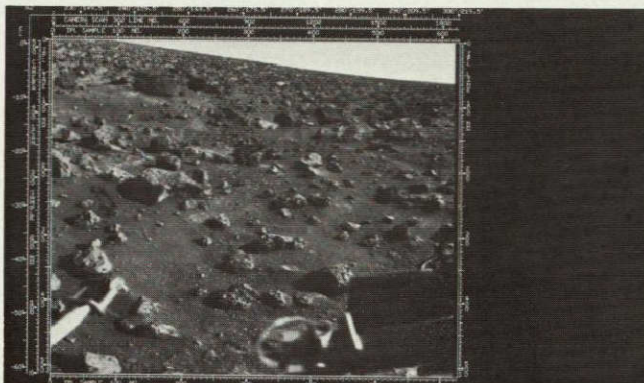
21A179/023 RED/T



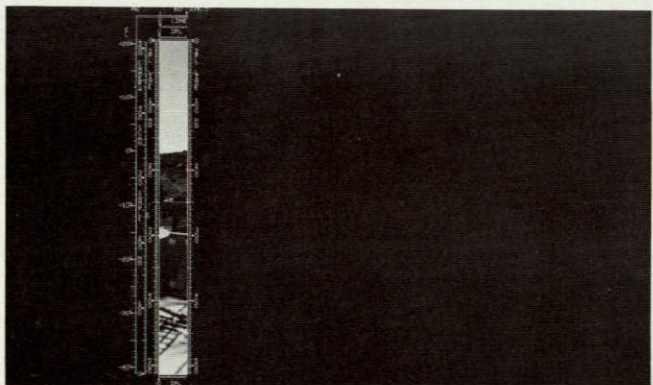
21A180/023 BLU/T



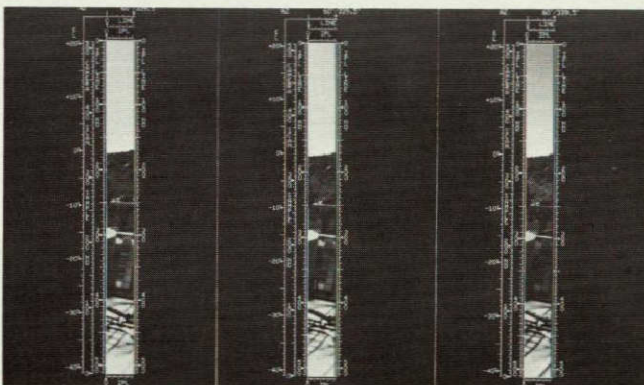
21A180/023 GRN/T



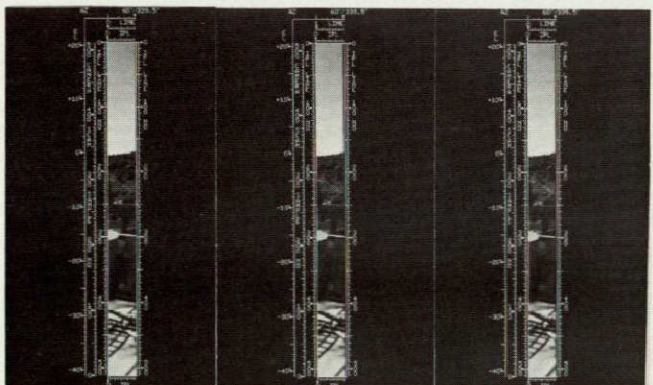
21A180/023 RED/T



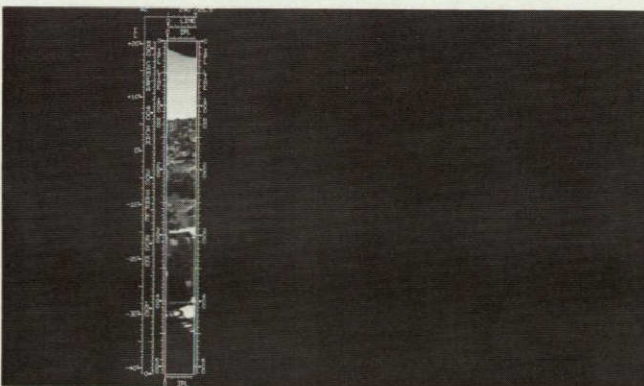
21A181/023 SURV



21A182/023 BLU/T 21A182/023 GRN/T 21A182/023 RED/T



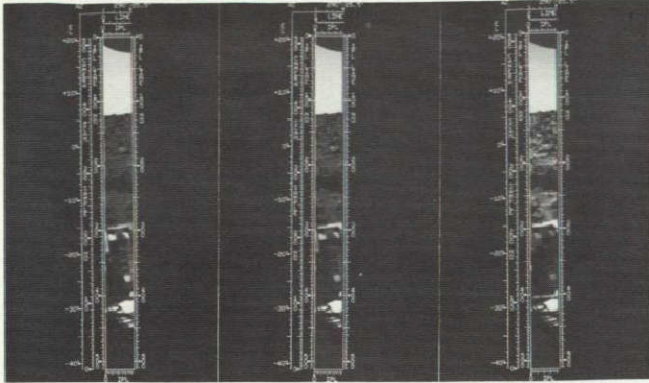
21A183/023 IR3/T 21A183/023 IR2/T 21A183/023 IR1/T



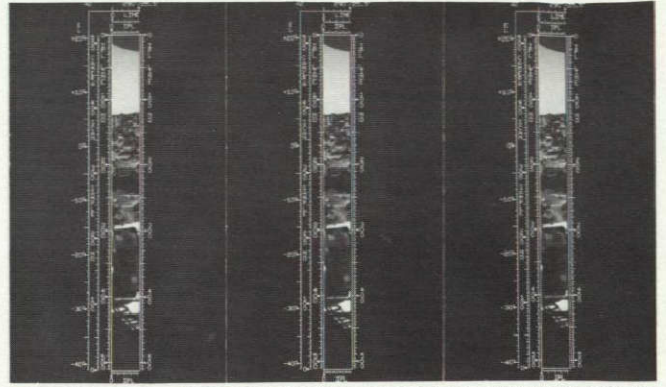
22A184/023 SURV

22A185/023-21A188/023

VL-2



22A185/023 BLU/T 22A185/023 GRN/T 22A185/023 RED/T



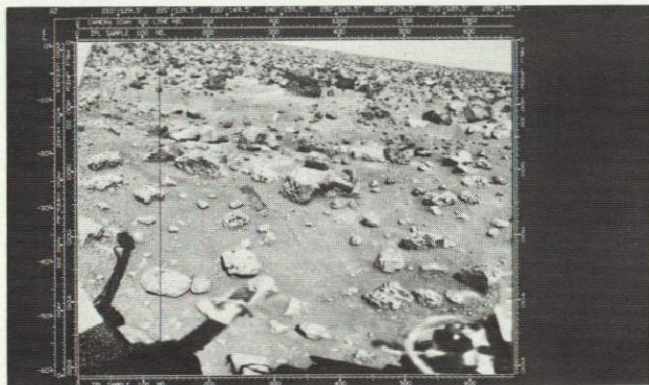
22A186/023 IR3/T 22A186/023 IR2/T 22A186/023 IR1/T



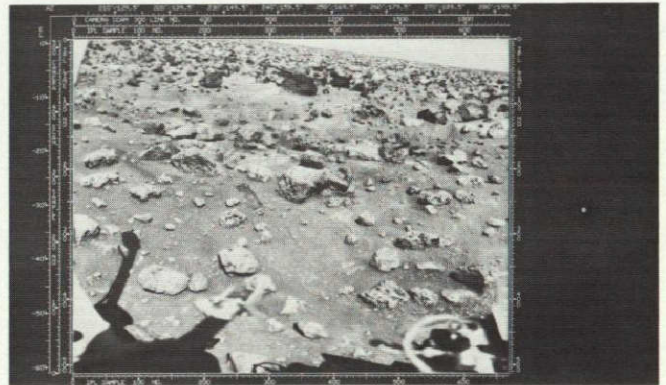
21A187/023 BLU/T



21A187/023 GRN/T



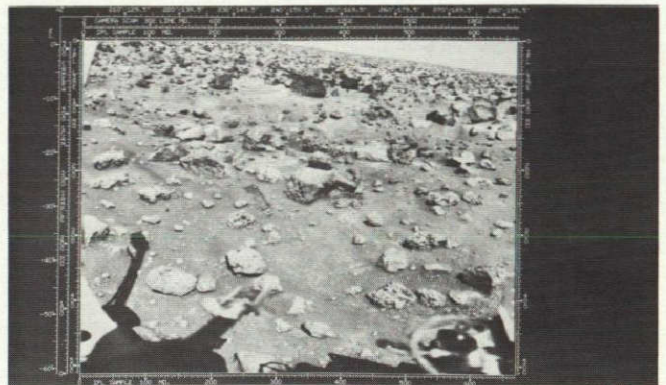
21A187/023 RED/T



21A188/023 IR3/T



21A188/023 IR2/T



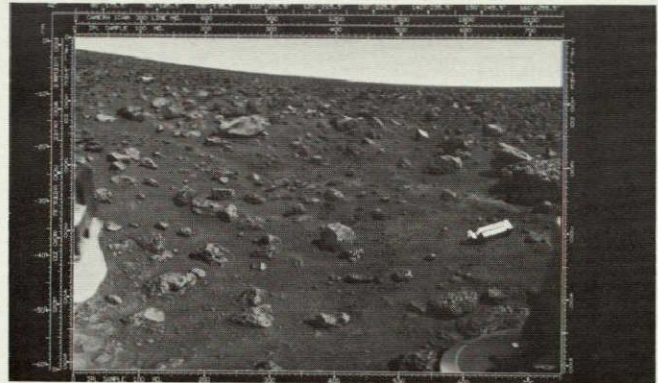
21A188/023 IR1/T

VL-2

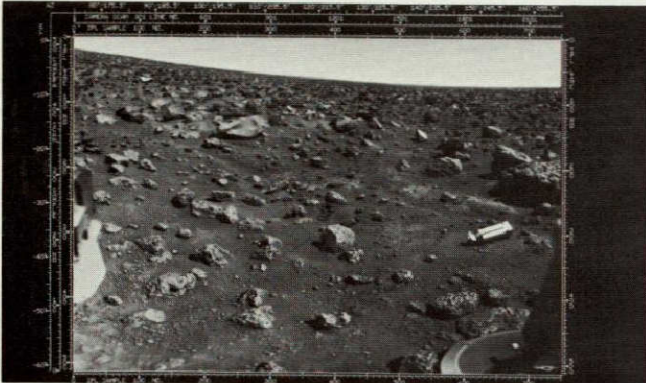
21A189/023-22A192/023



21A189/023 SURV



22A190/023 BLU/T



22A190/023 GRN/T



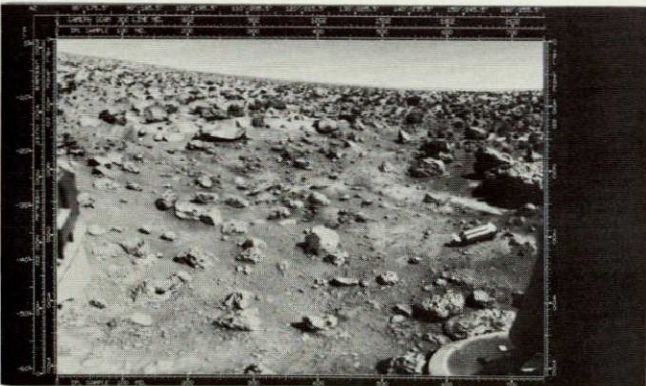
22A190/023 RED/T



22A191/023 IR3/T



22A191/023 IR2/T



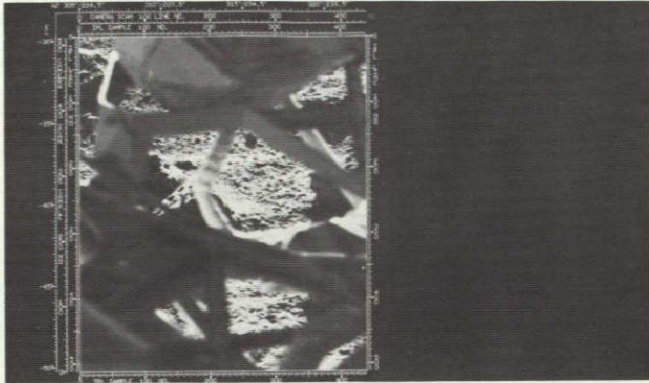
22A191/023 IR1/T



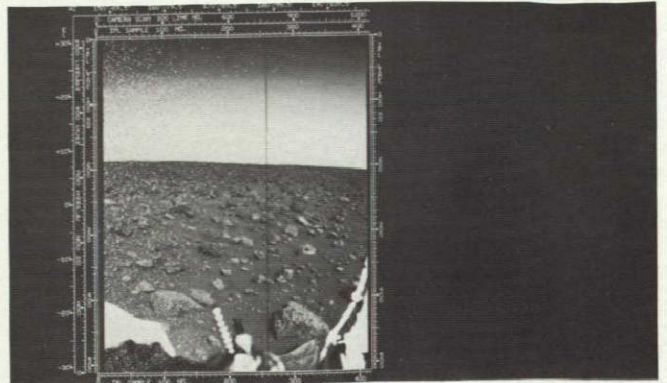
22A192/023 SURV

21A193/024-21A196/024

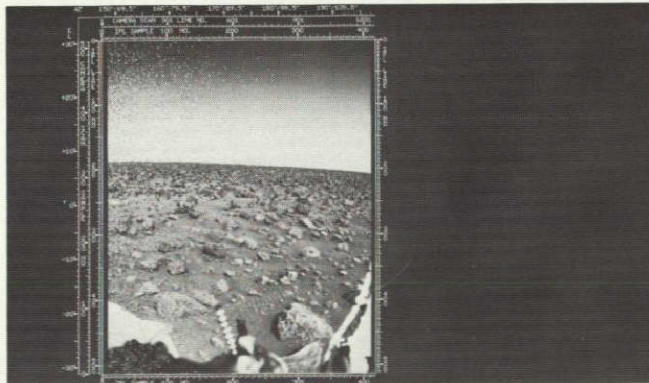
VL-2



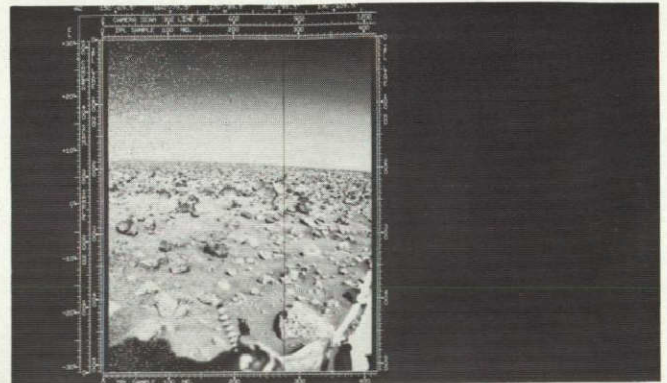
21A193/024 BB2



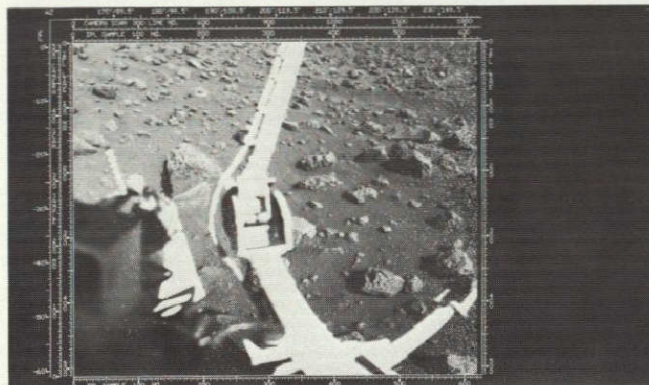
21A194/024 BLU/T



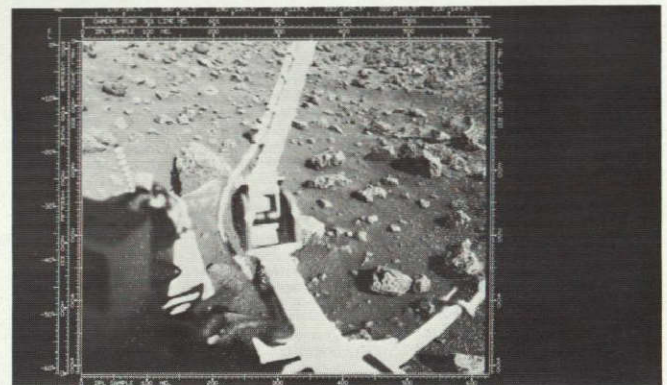
21A194/024 GRN/T



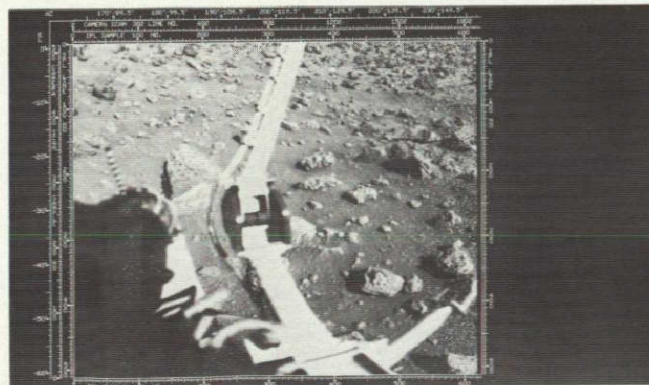
21A194/024 RED/T



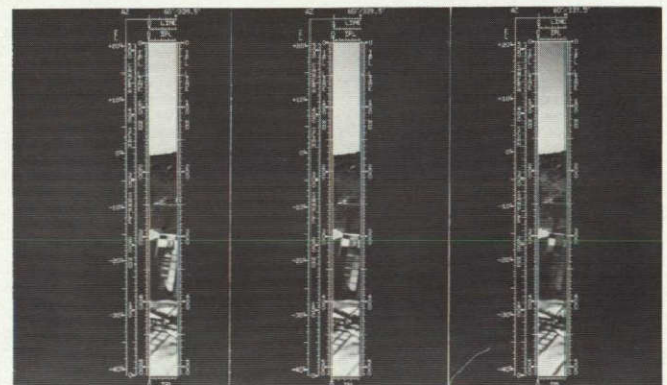
21A195/024 BLU/T



21A195/024 GRN/T



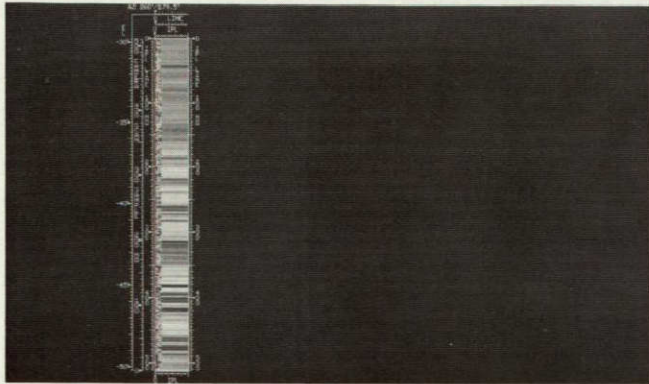
21A195/024 RED/T



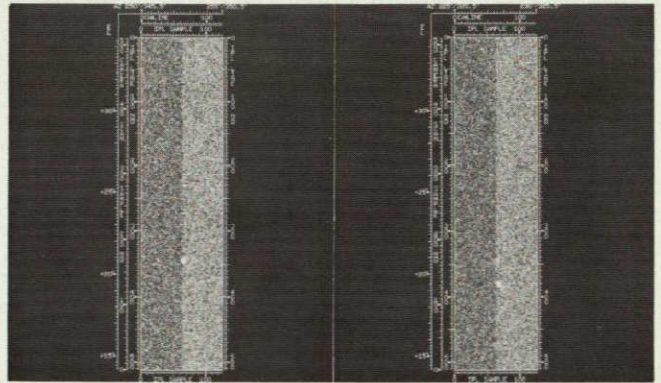
21A196/024 BLU/T 21A196/024 GRN/T 21A196/024 RED/T

VL-2

21A197/024-22A206/025

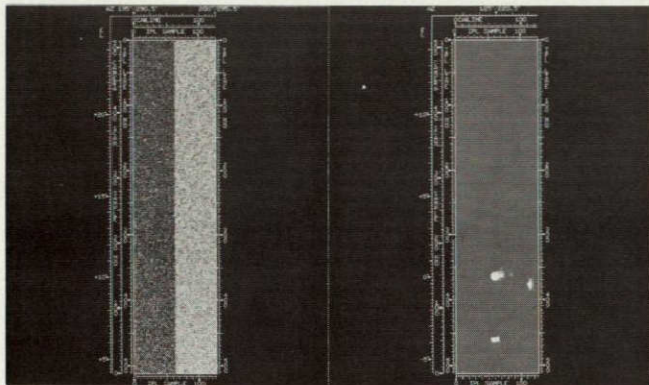


21A197/024 BB1



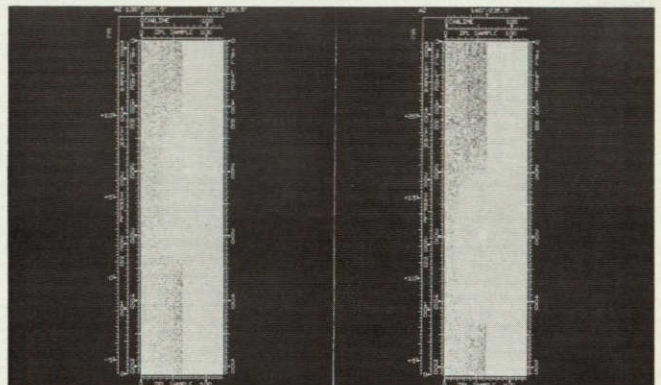
22A198/025 BLU

22A199/025 BLU



22A200/025 BLU

22A201/025 SUN



22A202/025 SUN

22A203/025 SUN



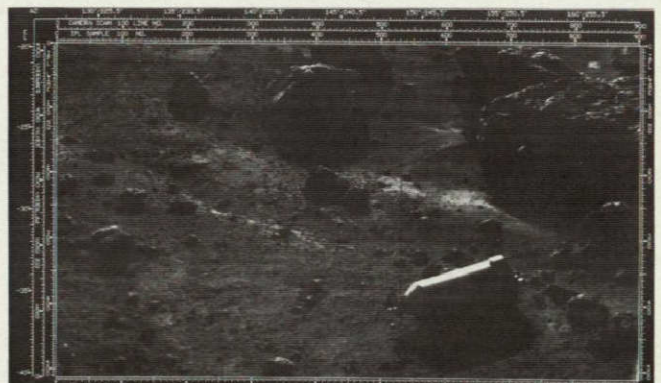
21A204/025 BB4



22A205/025 BB1 1/2



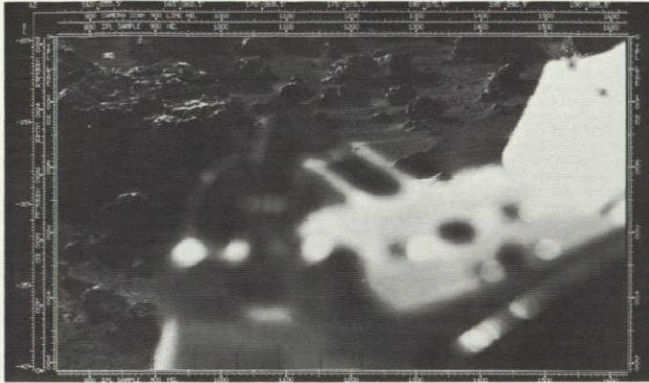
22A205/025 BB1 2/2



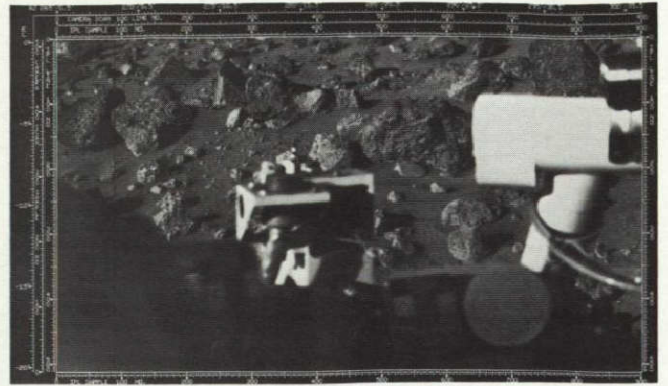
22A206/025 BB3 1/2

22A206/025-21A209/025

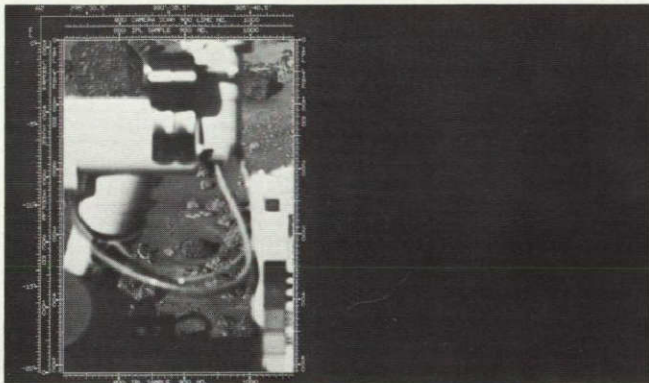
VL-2



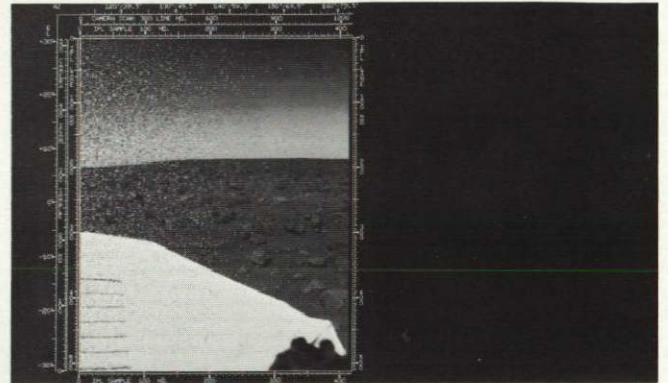
22A206/025 BB3 2/2



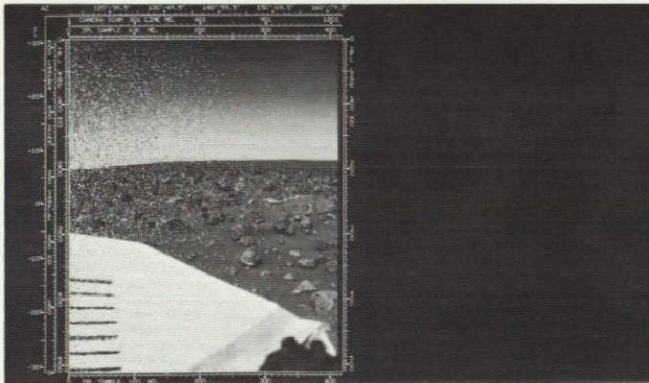
22A207/025 BB3 1/2



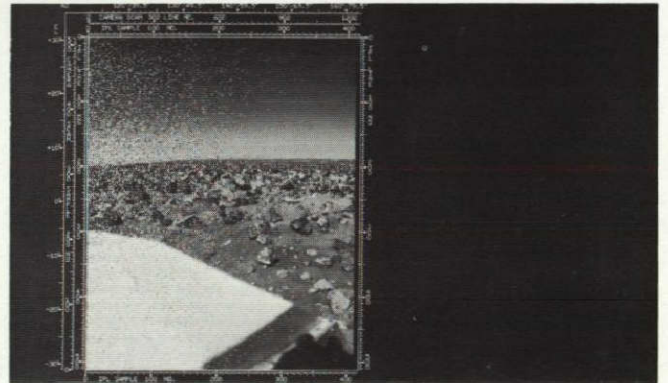
22A207/025 BB3 2/2



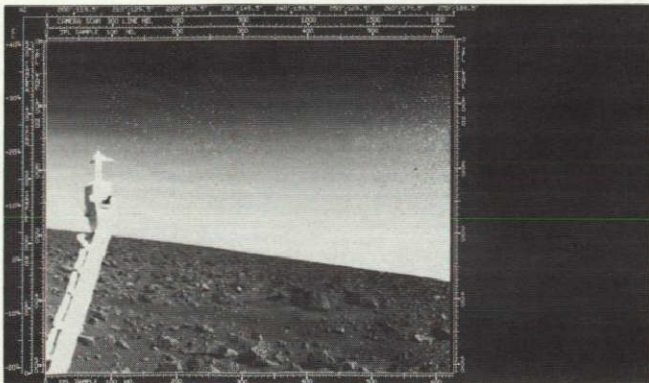
21A208/025 BLU/T



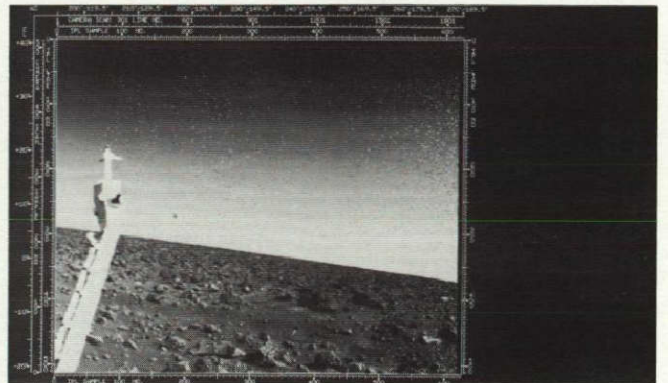
21A208/025 GRN/T



21A208/025 RED/T



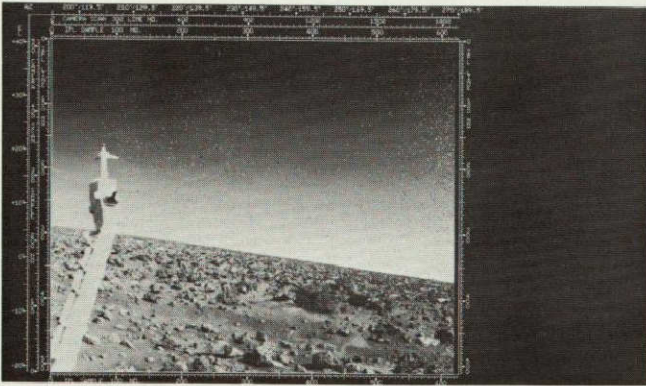
21A209/025 BLU/T



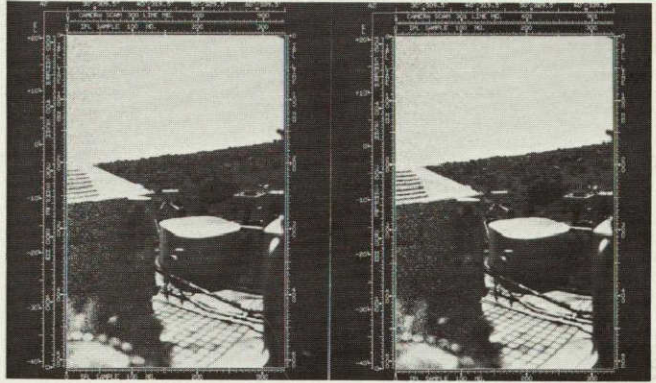
21A209/025 GRN/T

VL-2

21A209/025-21A213/025

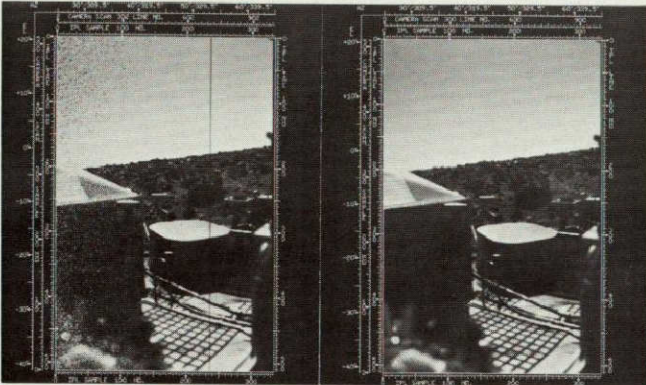


21A209/025 RED/T



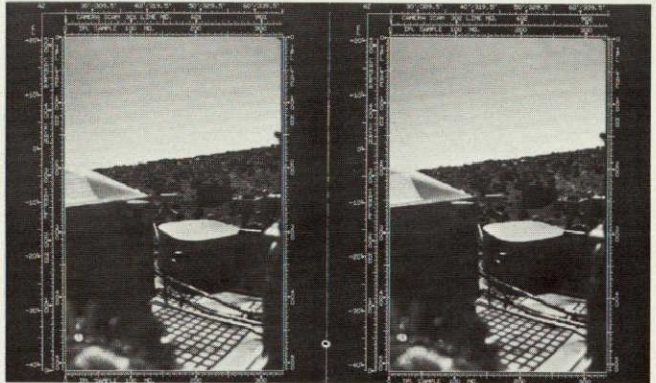
21A210/025 BLU/T

21A210/025 GRN/T



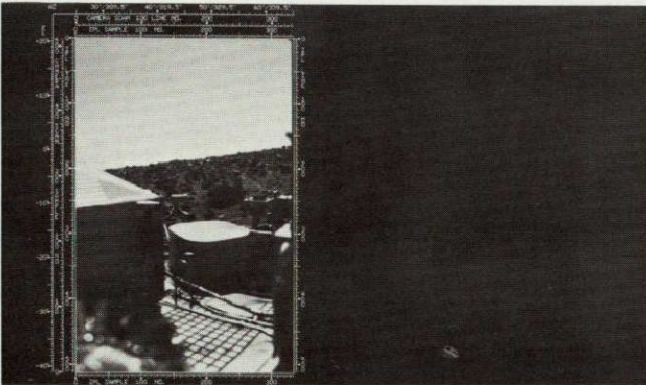
21A210/025 RED/T

21A211/025 IR3/T

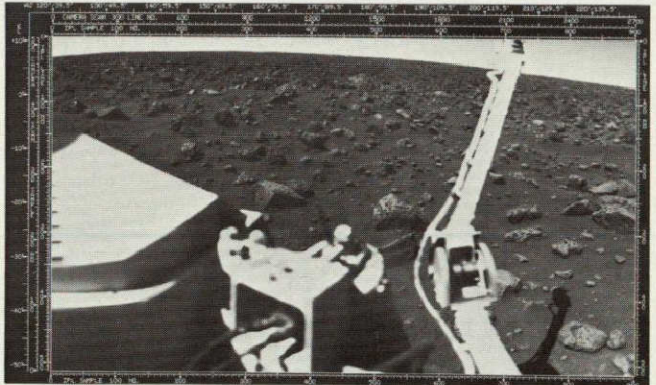


21A211/025 IR2/T

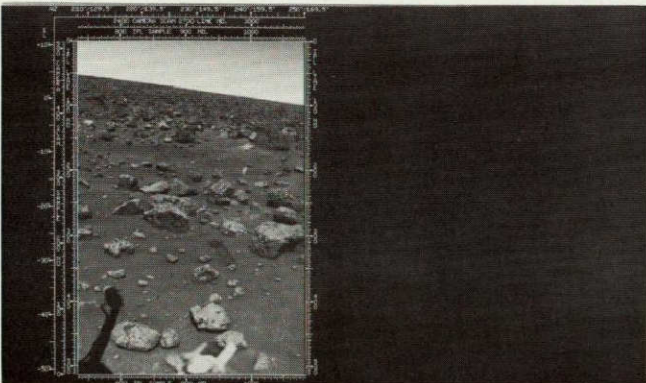
21A211/025 IR1/T



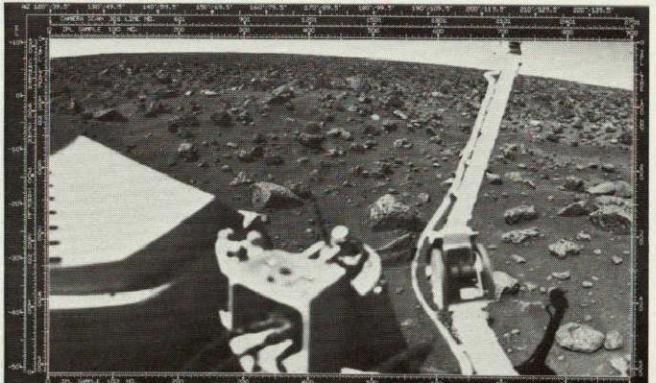
21A212/025 SURV



21A213/025 BLU/T 1/2



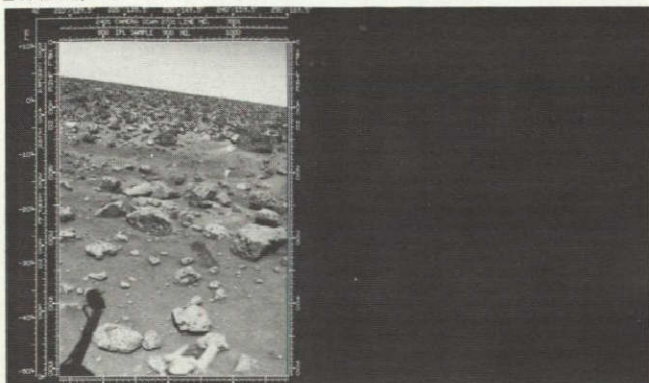
21A213/025 BLU/T 2/2



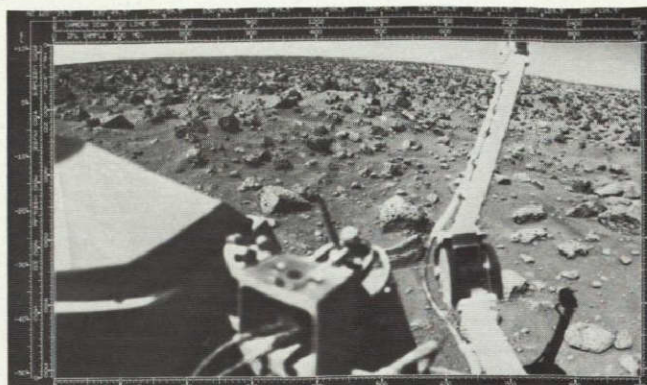
21A213/025 GRN/T 1/2

21A213/025-21A214/025

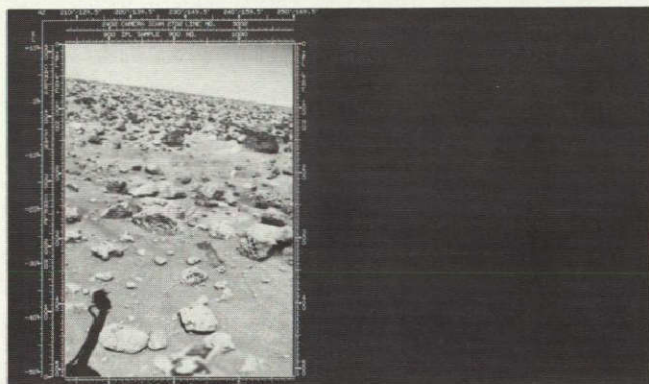
VL-2



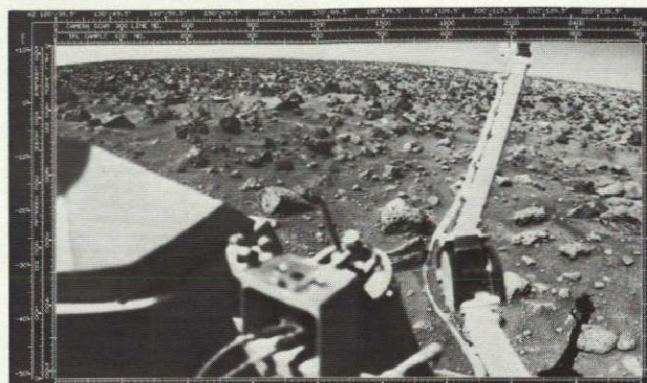
21A213/025 GRN/T 2/2



21A213/025 RED/T 1/2



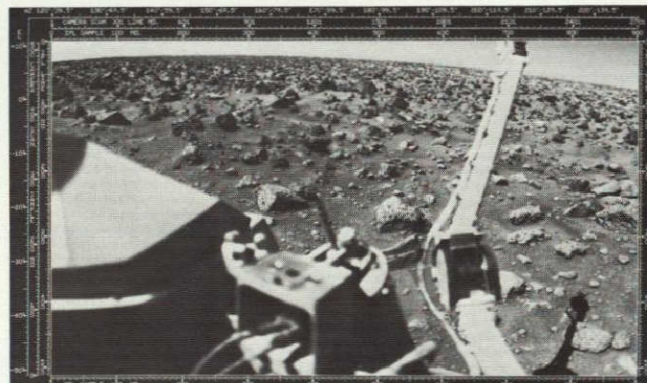
21A213/025 RED/T 2/2



21A214/025 IR3/T 1/2



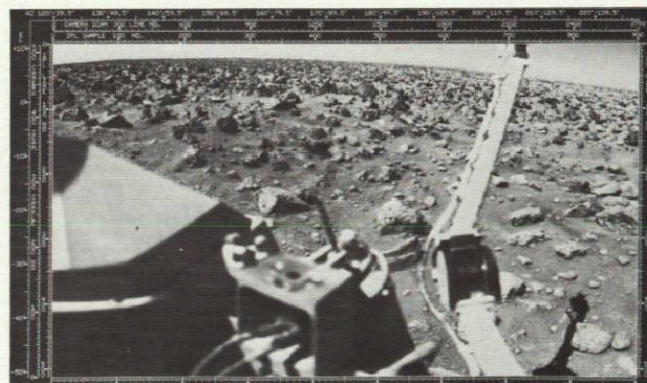
21A214/025 IR3/T 2/2



21A214/025 IR2/T 1/2



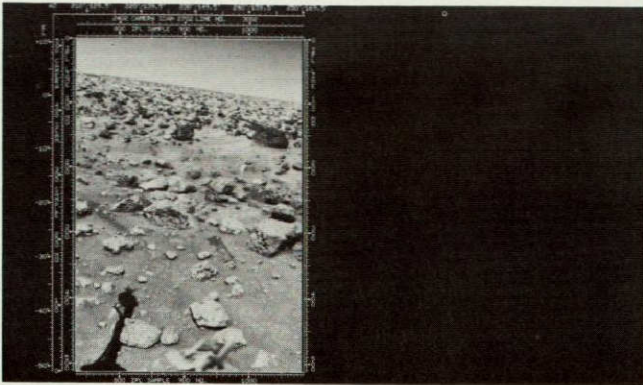
21A214/025 IR2/T 2/2



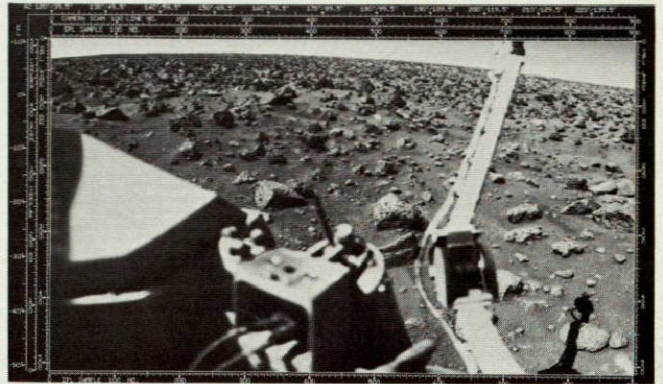
21A214/025 IR1/T 1/2

VL-2

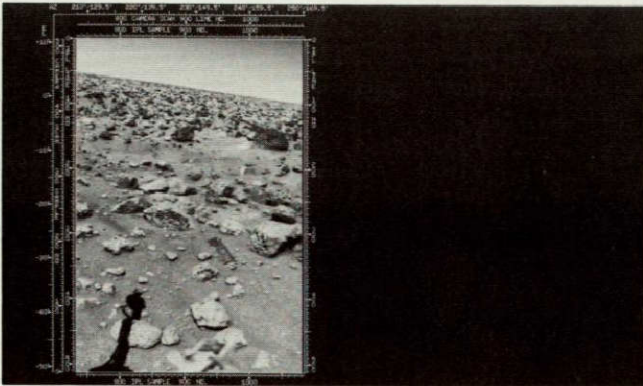
21A214/025-21A218/026



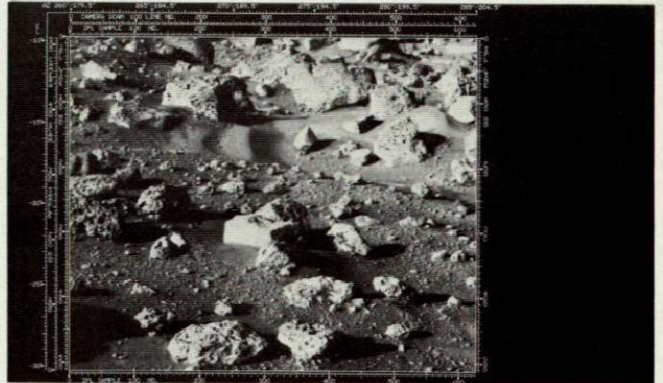
21A214/025 IR1/T 2/2



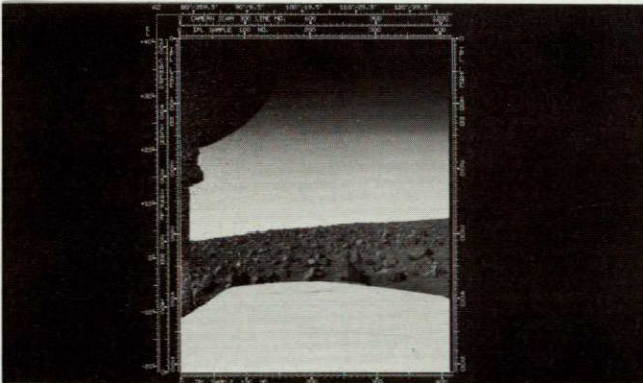
21A215/025 SURV 1/2



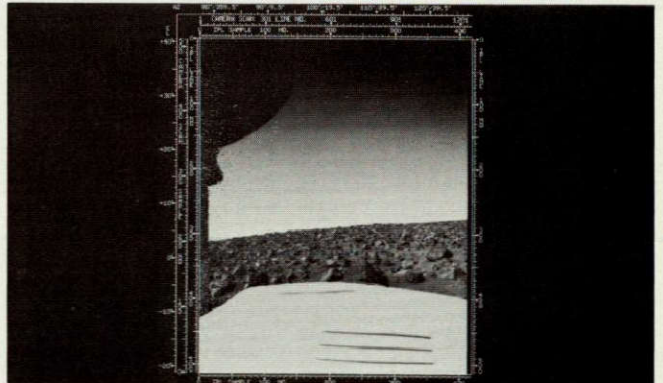
21A215/025 SURV 2/2



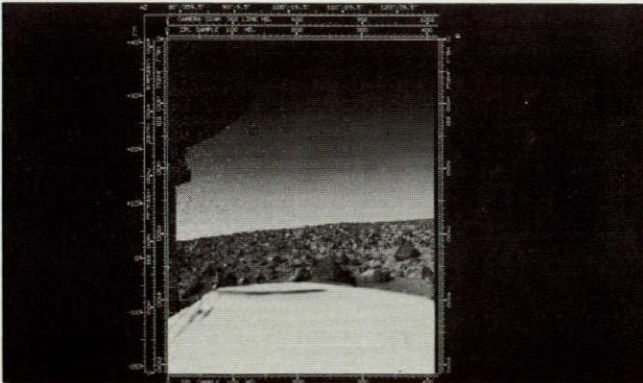
21A216/025 BB3



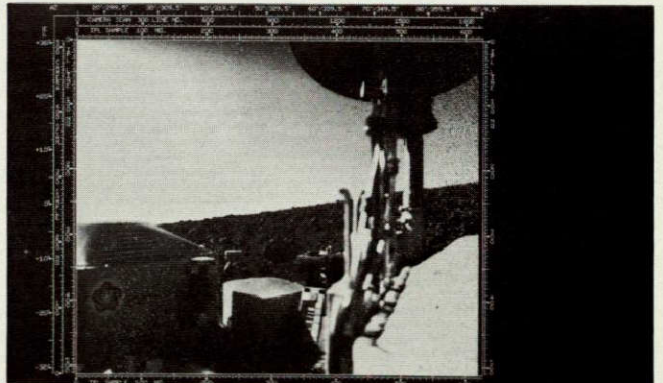
21A217/026 BLU/T



21A217/026 GRN/T



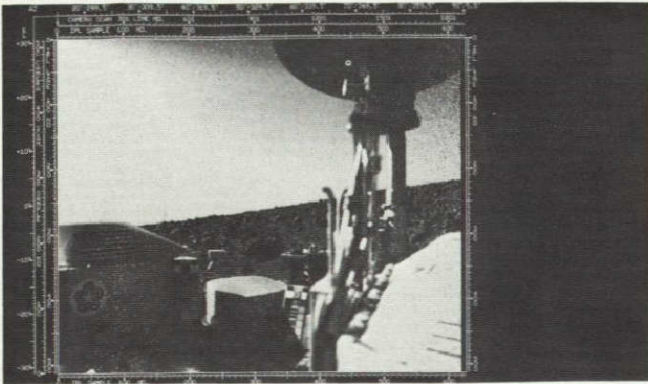
21A217/026 RED/T



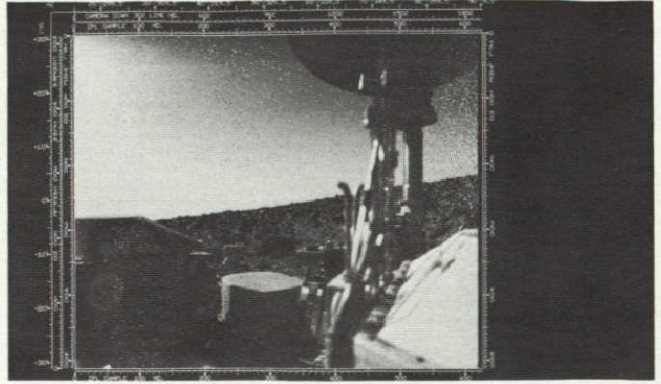
21A218/026 BLU/T

21A218/026-21A221/027

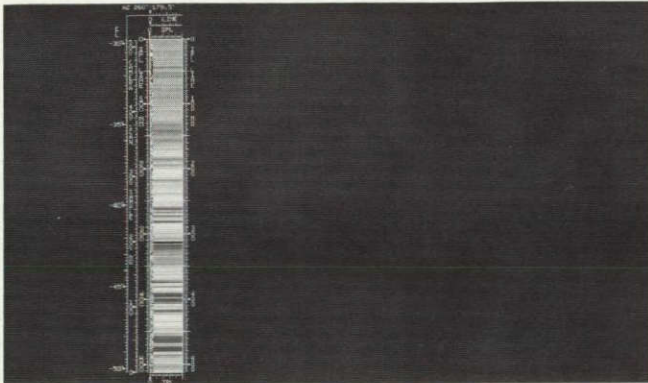
VL-2



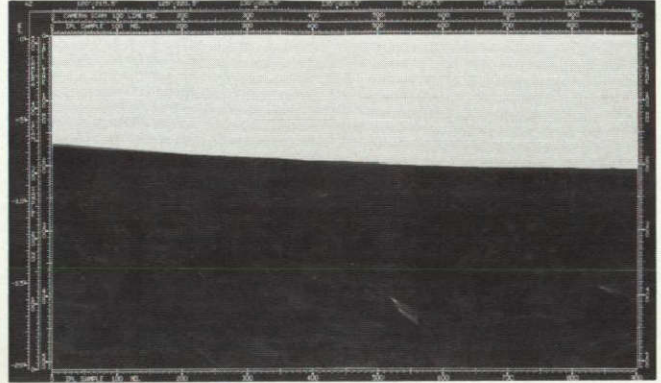
21A218/026 GRN/T



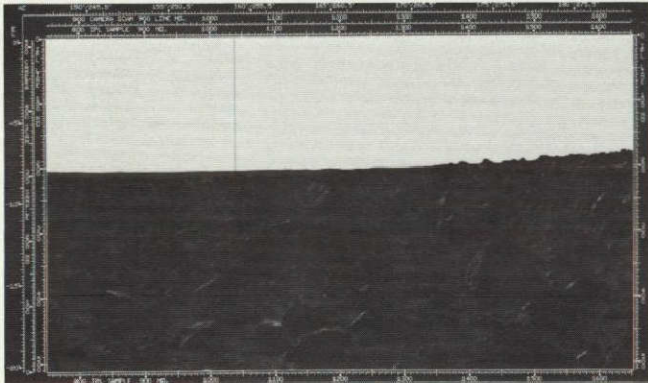
21A218/026 RED/T



21A219/026 BB1



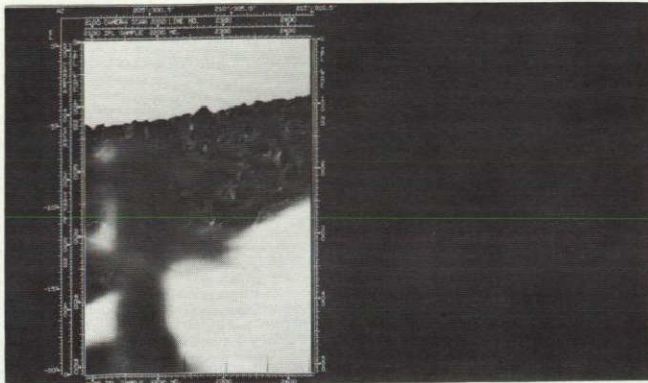
22A220/027 BB4 1/4



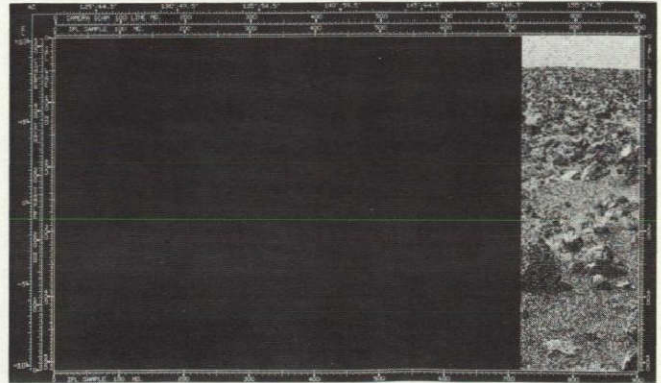
22A220/027 BB4 2/4



22A220/027 BB4 3/4



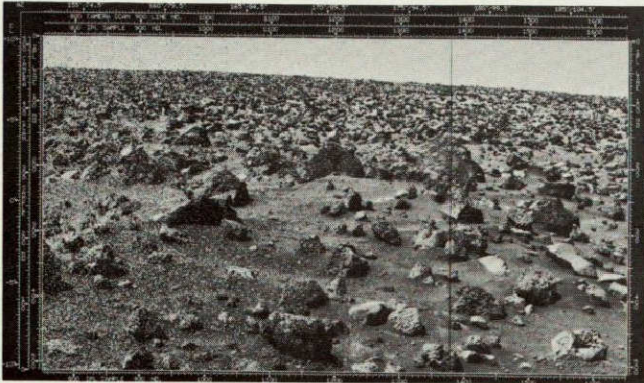
22A220/027 BB4 4/4



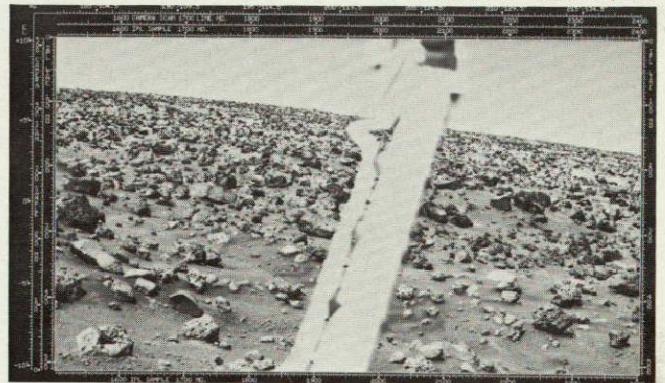
21A221/027 BB4 1/5

VL-2

21A221/027-22A223/028



21A221/027 BB4 2/5



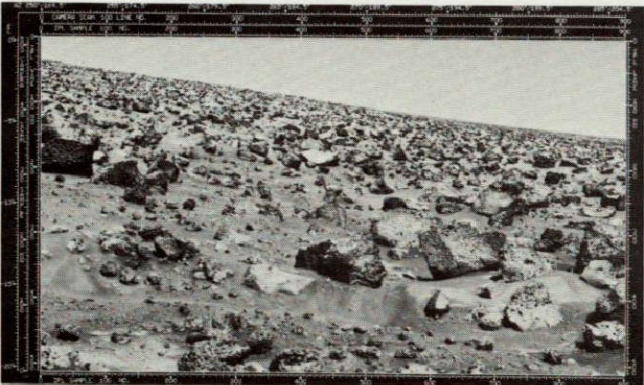
21A221/027 BB4 3/5



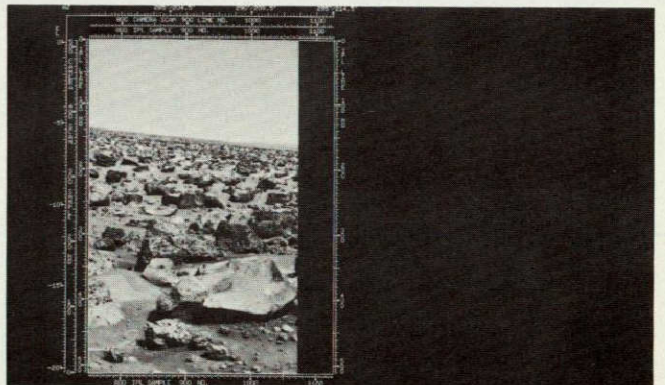
21A221/027 BB4 4/5



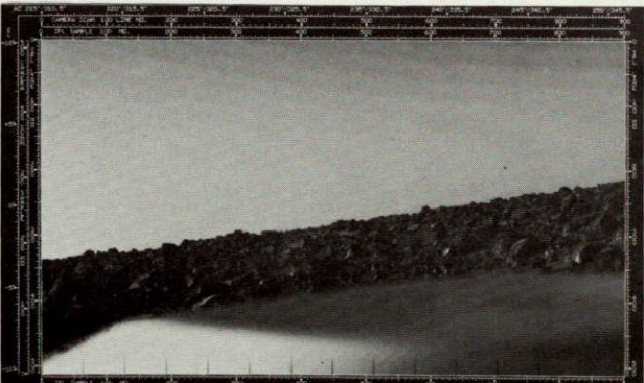
21A221/027 BB4 5/5



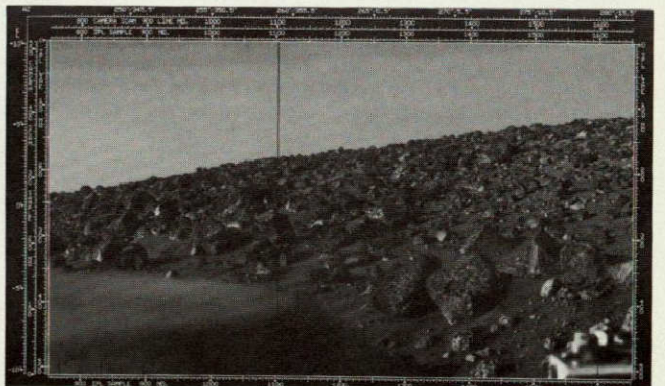
21A222/027 BB4 1/2



21A222/027 BB4 2/2



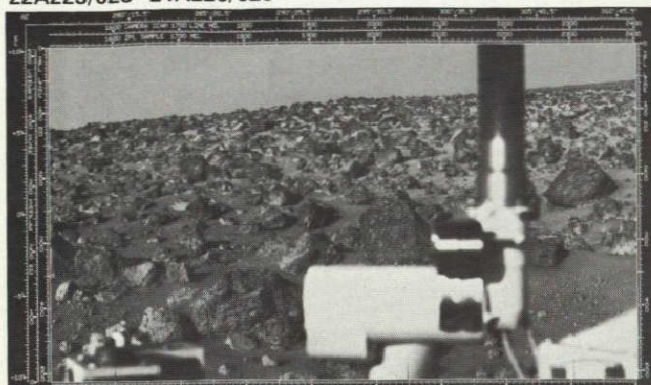
22A223/028 BB4 1/4



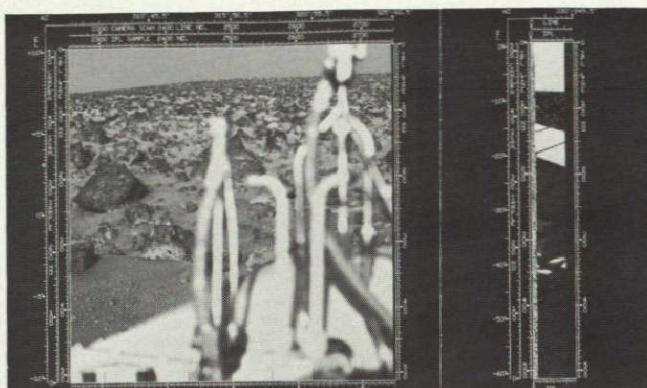
22A223/028 BB4 2/4

22A223/028-21A226/028

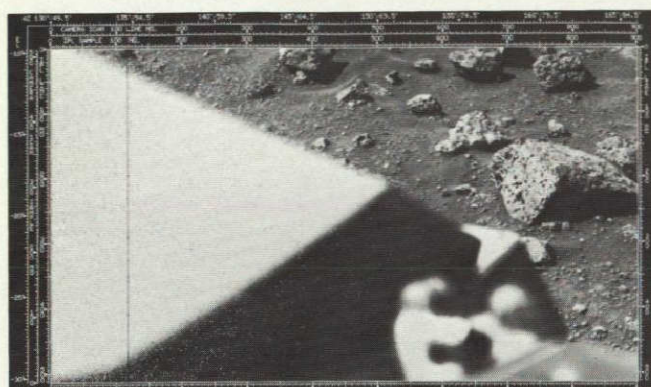
VL-2



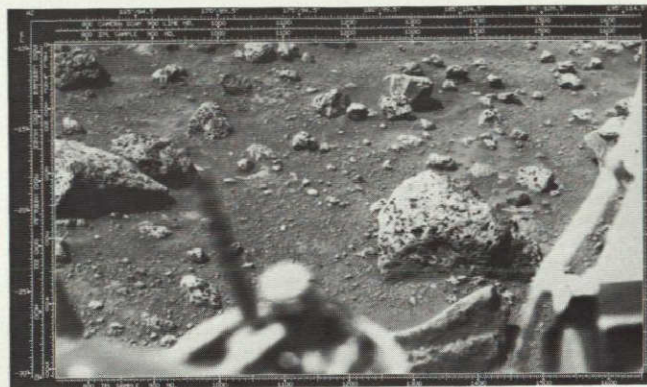
22A223/028 BB4 3/4



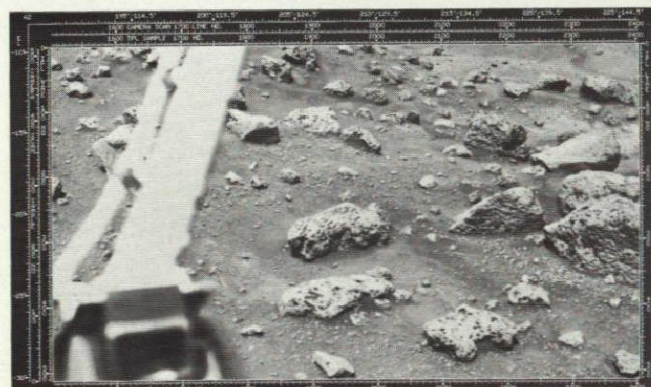
22A223/028 BB4 4/4 21A224/028 SURV



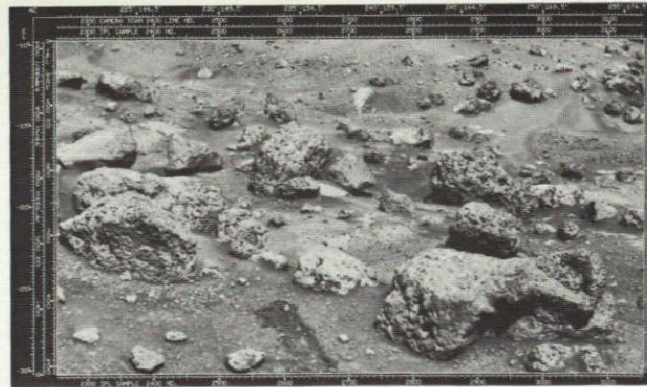
21A225/028 BB3 1/5



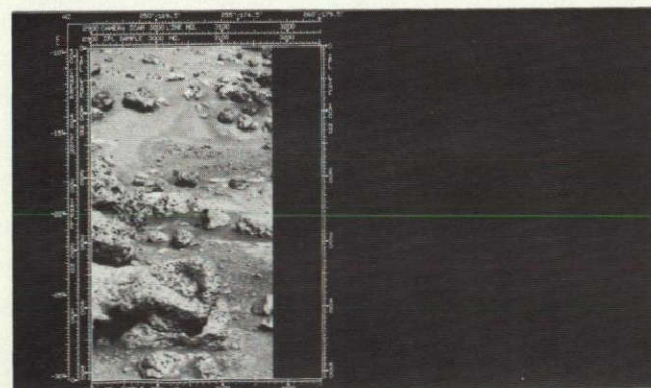
21A225/028 BB3 2/5



21A225/028 BB3 3/5



21A225/028 BB3 4/5



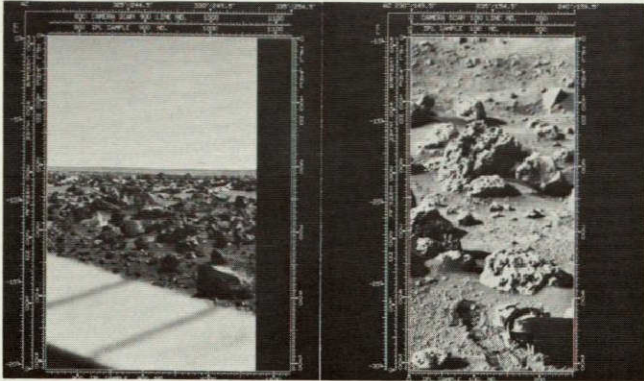
21A225/028 BB3 5/5



21A226/028 BB4 1/2

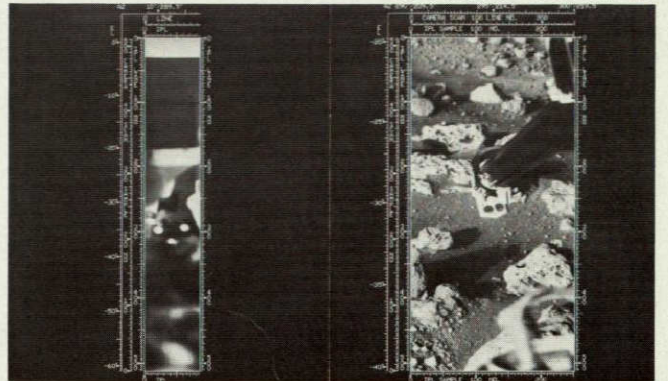
VL-2

21A226/028-21A237/029



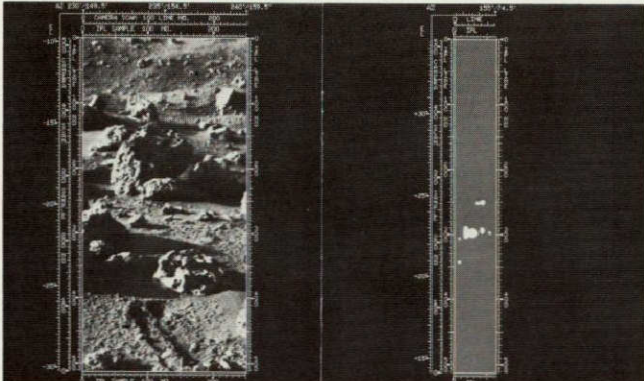
21A226/028 BB4 2/2

21A227/028 BB2



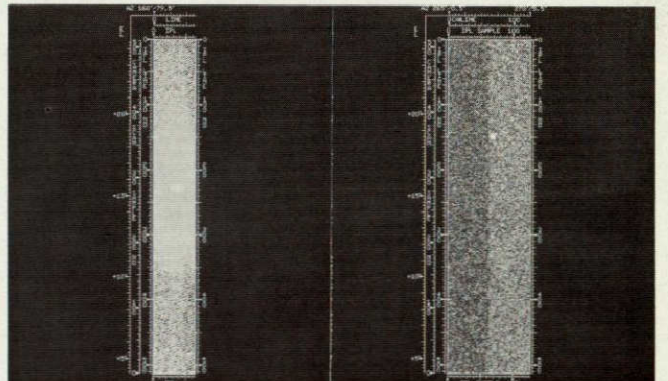
21A228/028 SURV

21A229/028 BB2



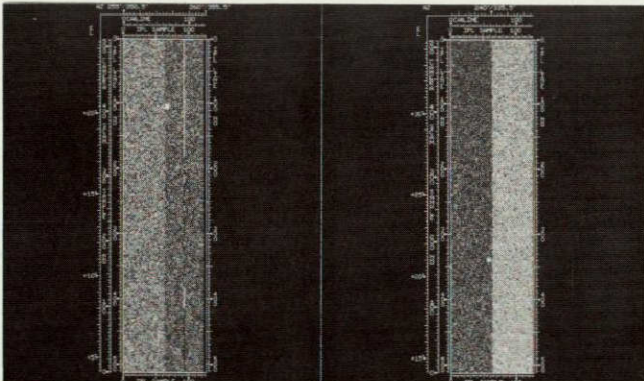
21A230/028 BB2

21A231/028 SUN



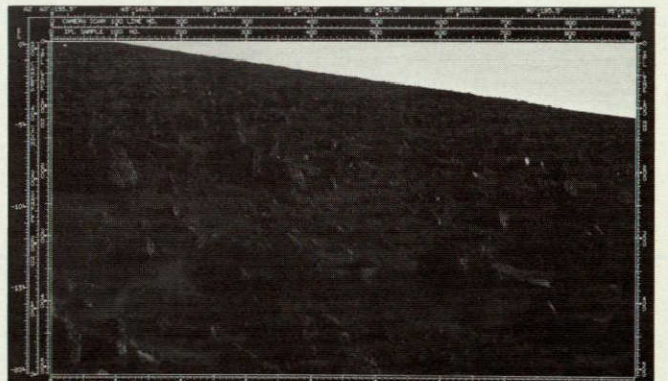
21A232/028 SUN

22A233/029 BLU

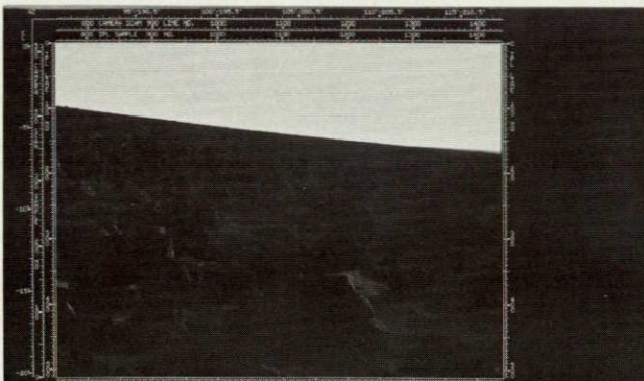


22A234/029 BLU

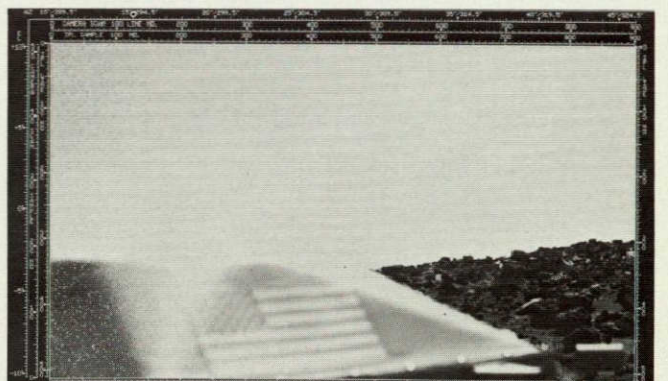
22A235/029 BLU



22A236/029 BB4 1/2



22A236/029 BB4 2/2



21A237/029 BB4 1/5

21A237/029-22A243/030

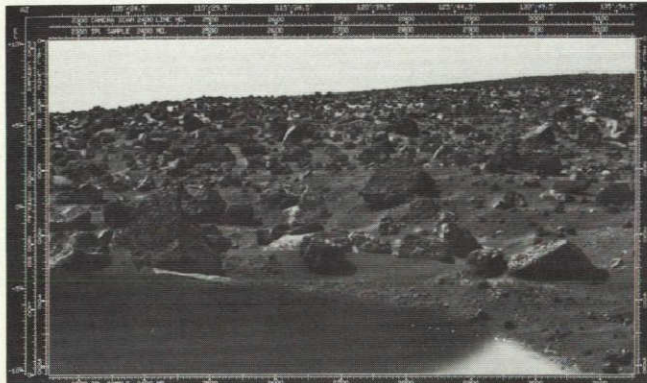
VL-2



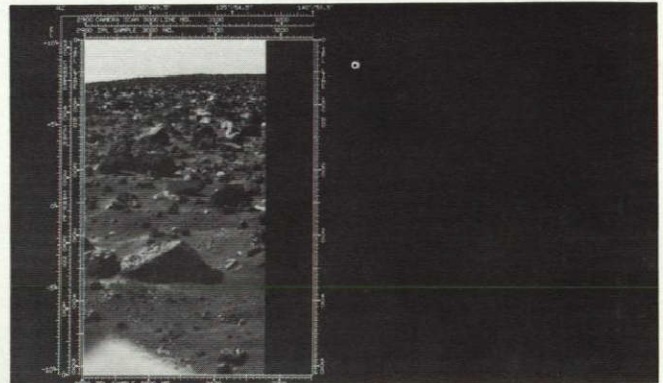
21A237/029 BB4 2/5



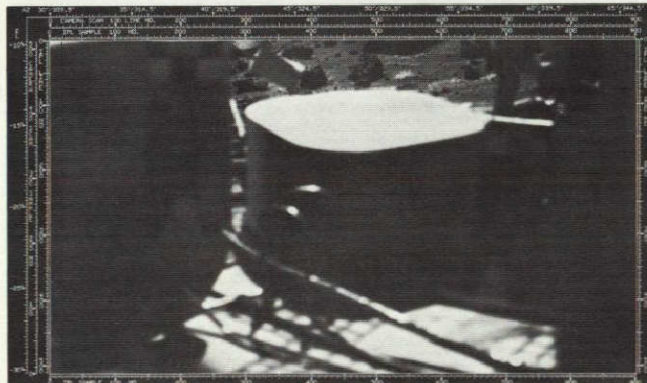
21A237/029 BB4 3/5



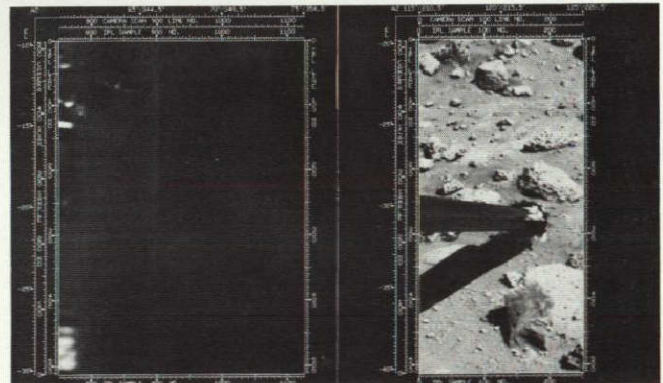
21A237/029 BB4 4/5



21A237/029 BB4 5/5

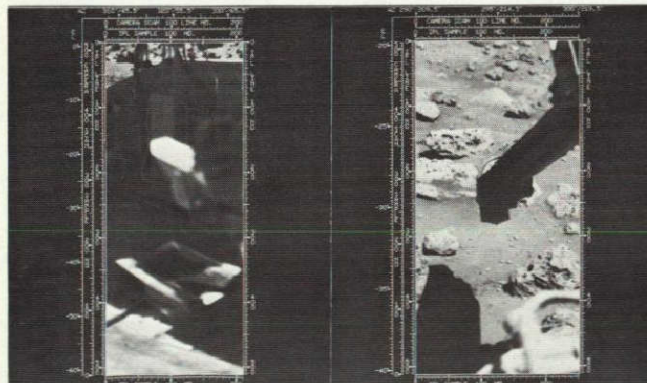


21A238/029 BB4 1/2



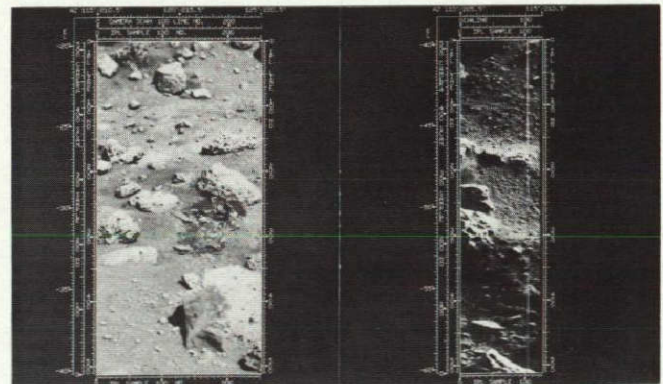
21A238/029 BB4 2/2

22A239/029 BB2



22A240/029 SURV

21A241/029 BB2

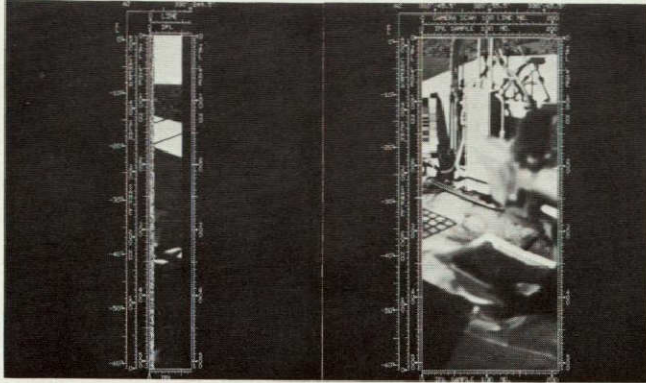


22A242/029 BB2

22A243/030 BB1

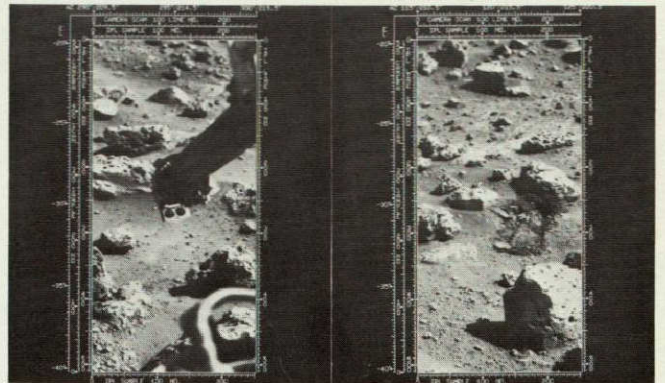
VL-2

21A244/030-22A252/030



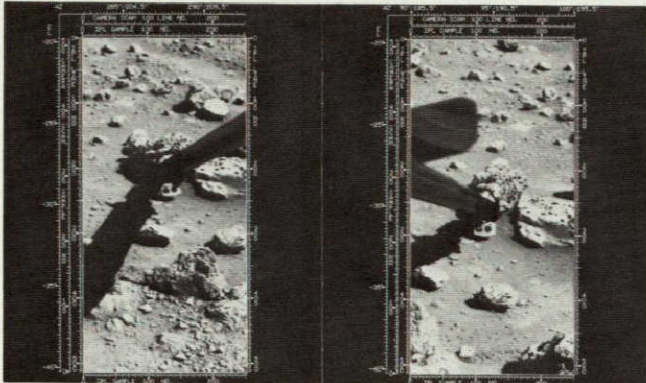
21A244/030 SURV

22A245/030 SURV



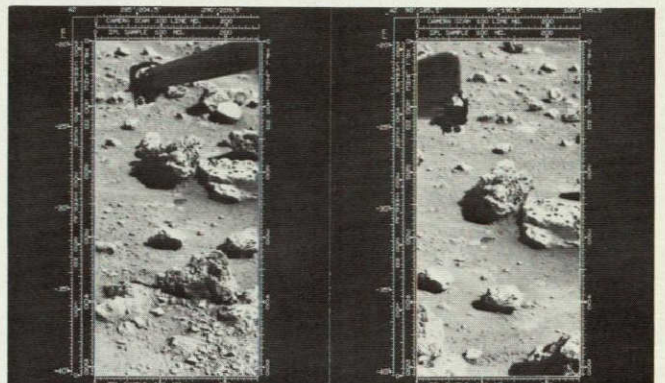
21A246/030 BB2

22A247/030 BB2



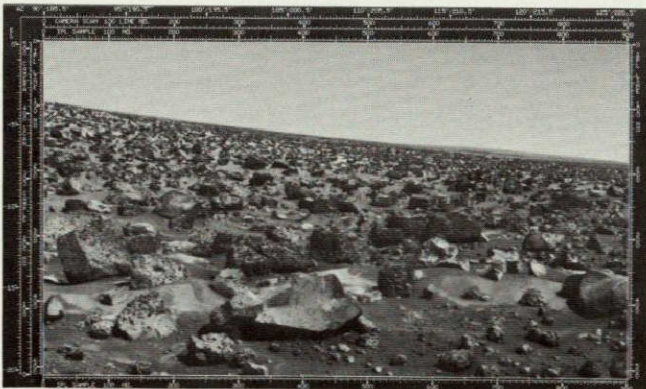
21A248/030 BB2

22A249/030 BB2



21A250/030 BB2

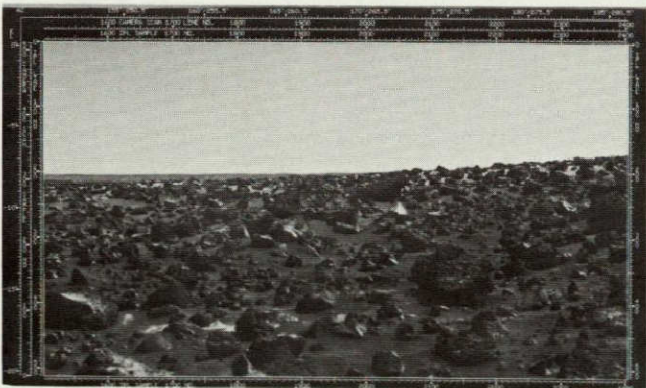
22A251/030 BB2



22A252/030 BB4 1/5



22A252/030 BB4 2/5



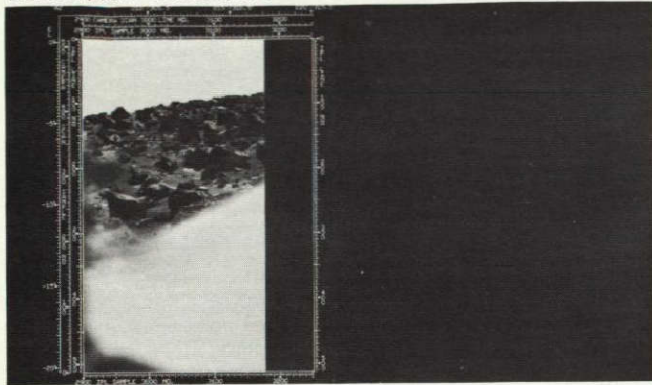
22A252/030 BB4 3/5



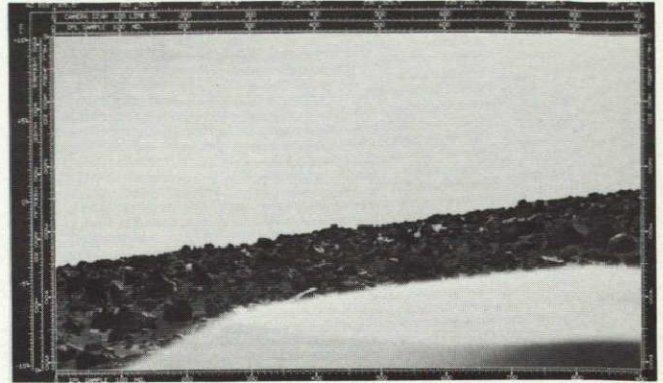
22A252/030 BB4 4/5

22A252/030-22B000/031

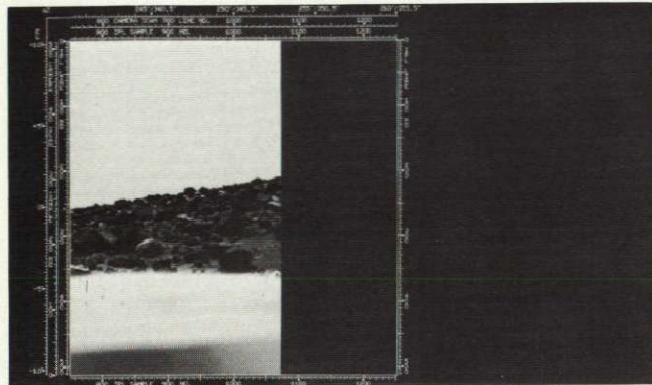
VL-2



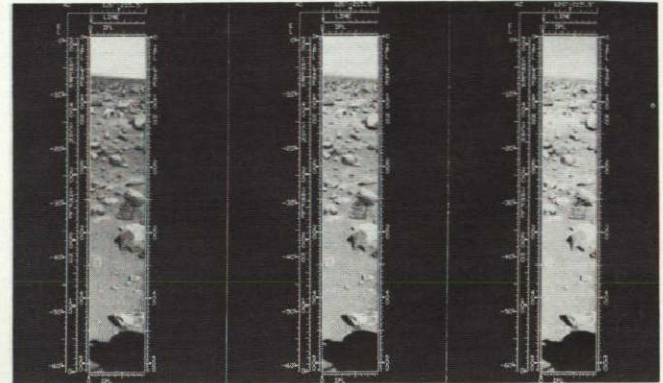
22A252/030 BB4 5/5



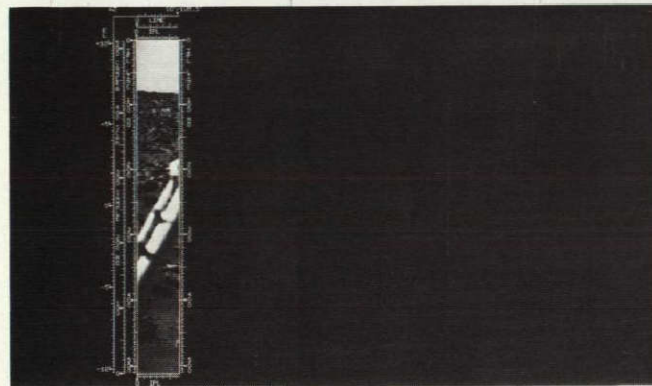
22A253/030 BB4 1/2



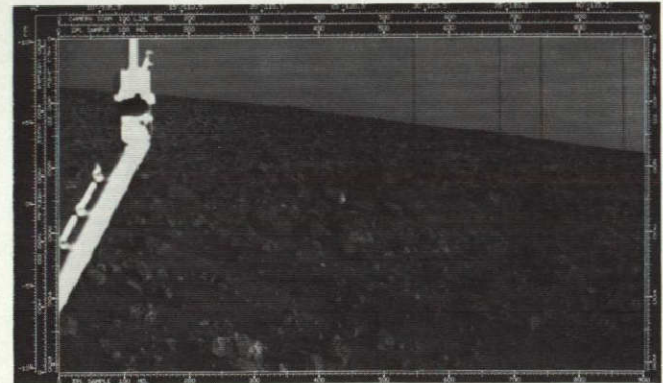
22A253/030 BB4 2/2



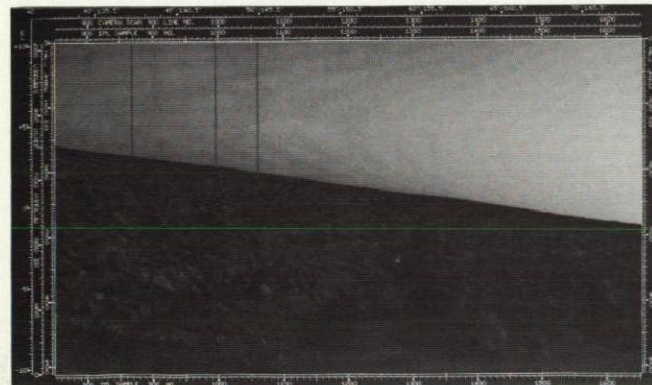
22A254/030 BLU/T 22A254/030 GRN/T 22A254/030 RED/T



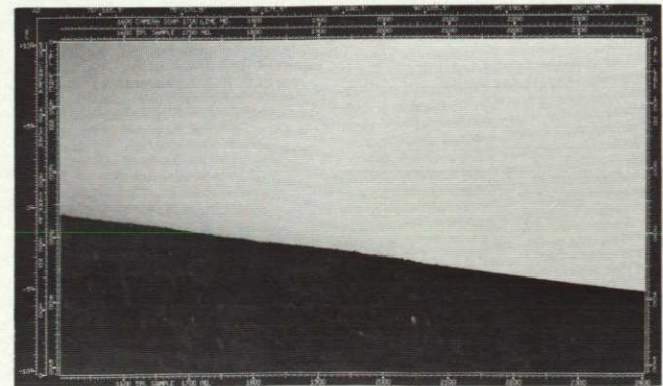
22A255/030 BB4



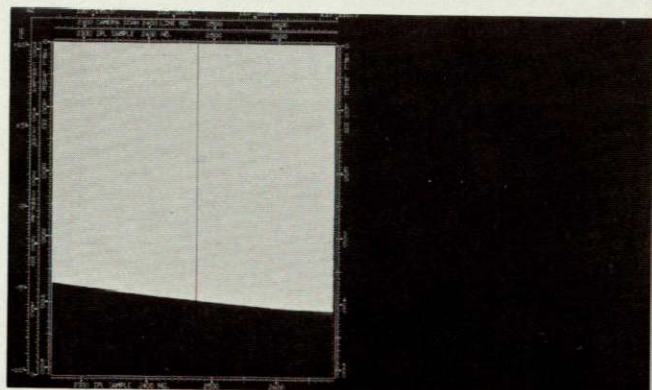
22B000/031 BB4 1/4



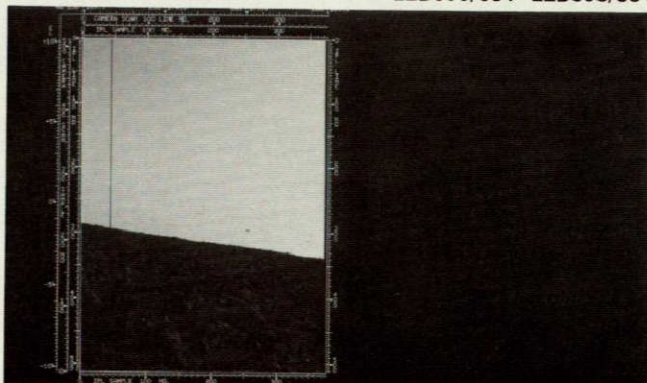
22B000/031 BB4 2/4



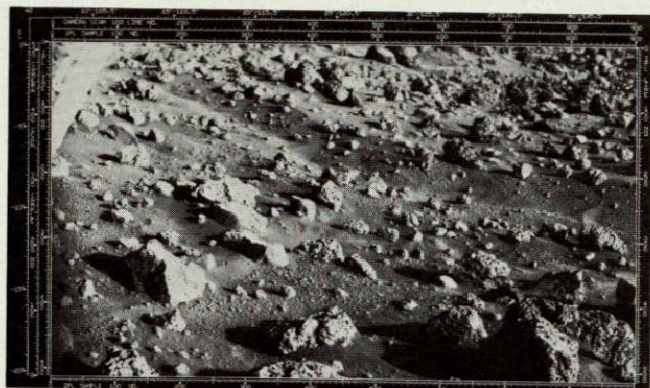
22B000/031 BB4 3/4



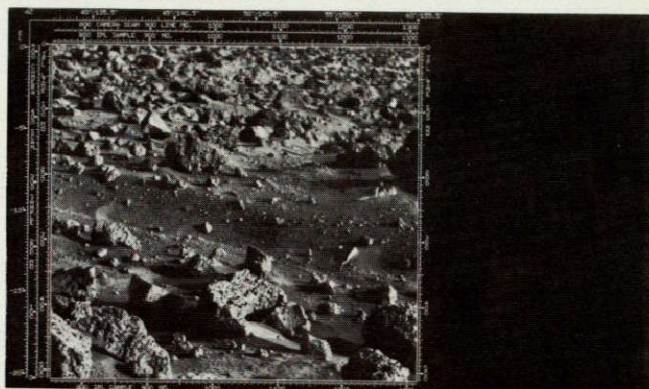
22B000/031 BB4 4/4



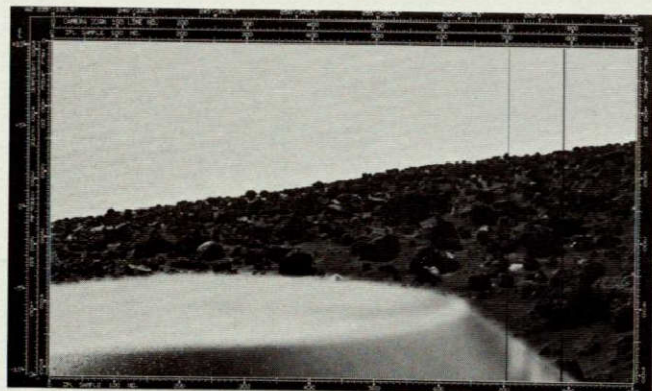
21B001/031 BB4



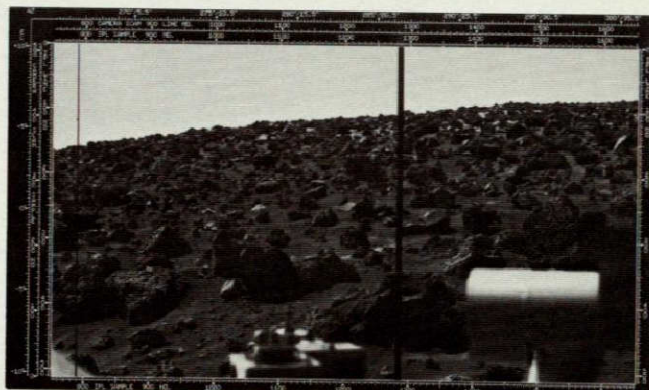
22B002/031 BB3 1/2



22B002/031 BB3 2/2



22B003/031 BB4 1/4



22B003/031 BB4 2/4



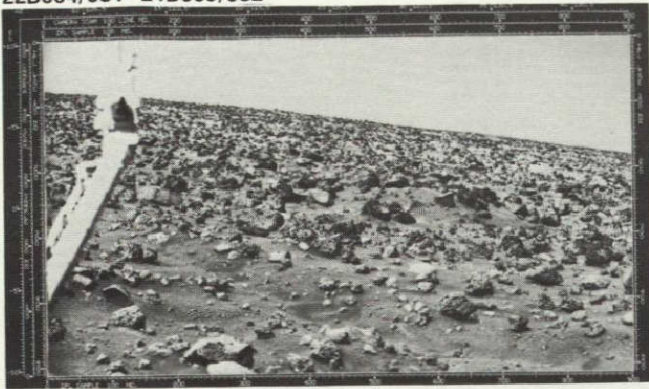
22B003/031 BB4 3/4



22B003/031 BB4 4/4

22B004/031-21B009/032

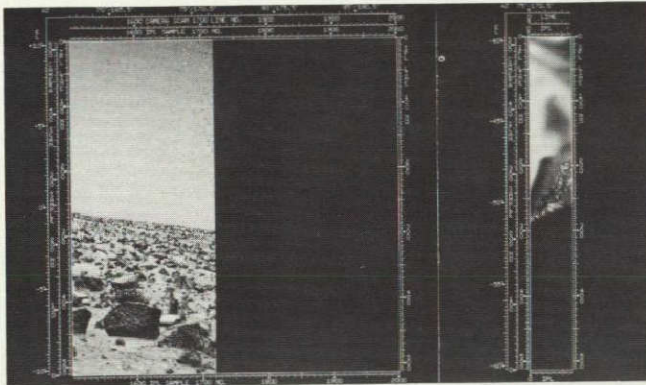
VL-2



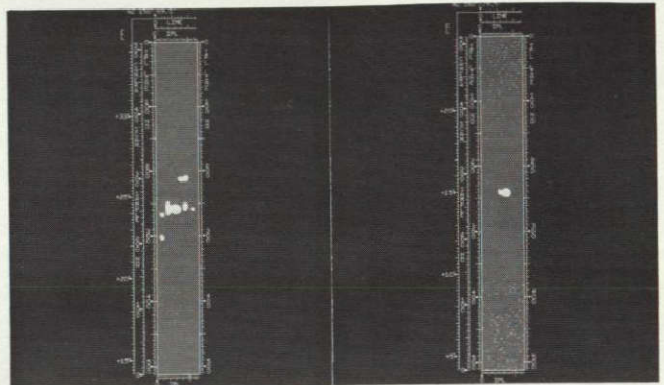
22B004/031 BB4 1/3



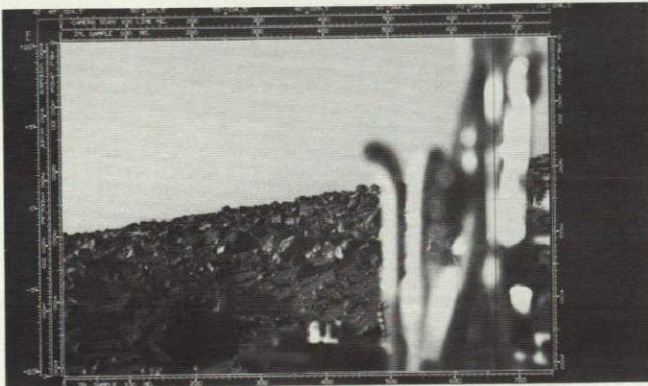
22B004/031 BB4 2/3



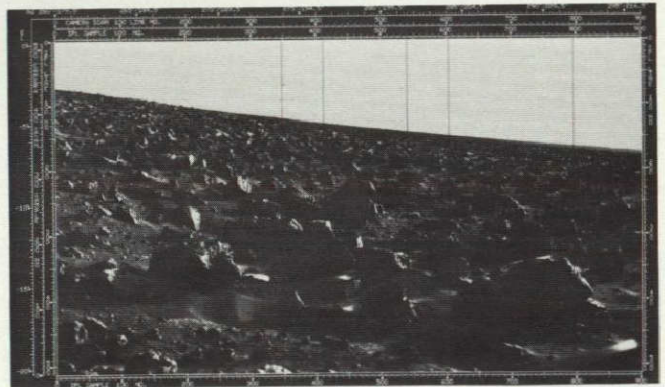
22B004/031 BB4 3/3 22B005/031 BB1



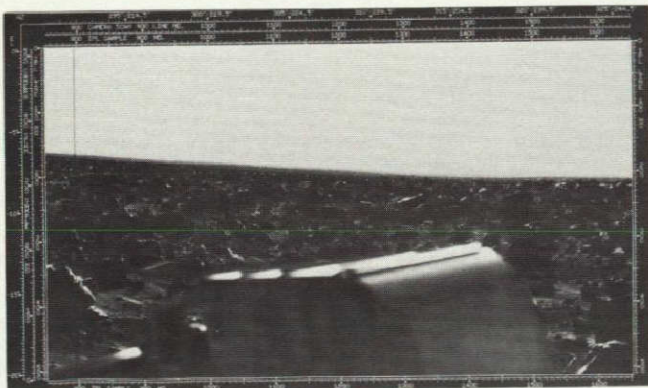
21B006/031 SUN 21B007/031 SUN



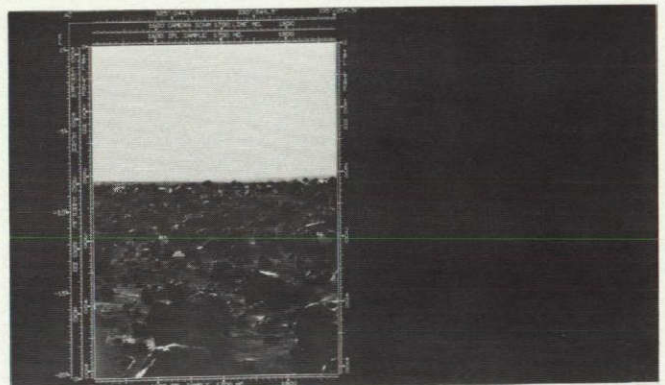
21B008/032 BB4



21B009/032 BB4 1/3



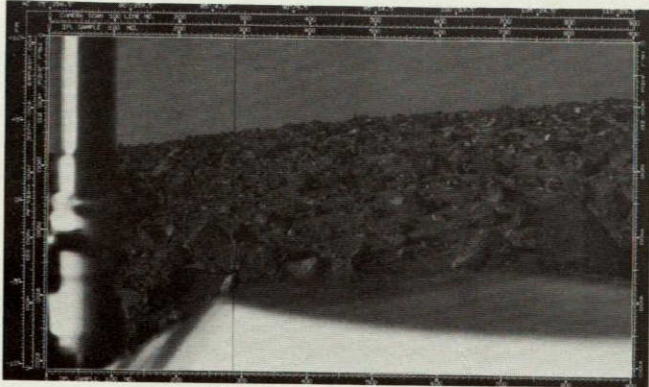
21B009/032 BB4 2/3



21B009/032 BB4 3/3

VL-2

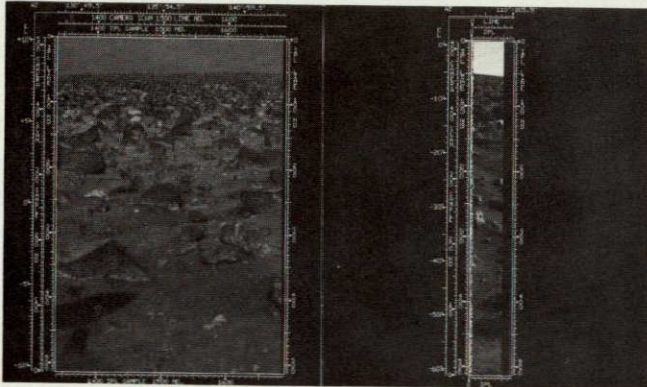
21B010/032-22B013/032



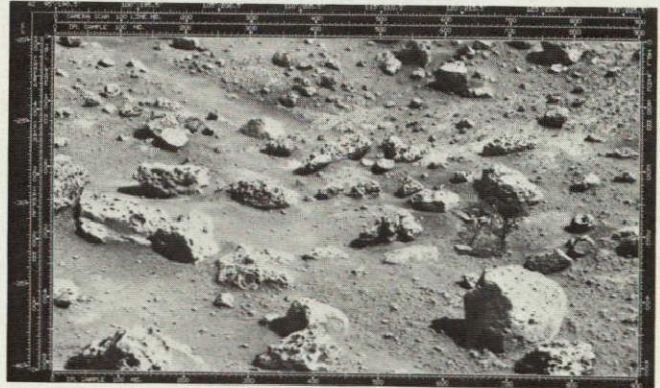
21B010/032 BB4 1/3



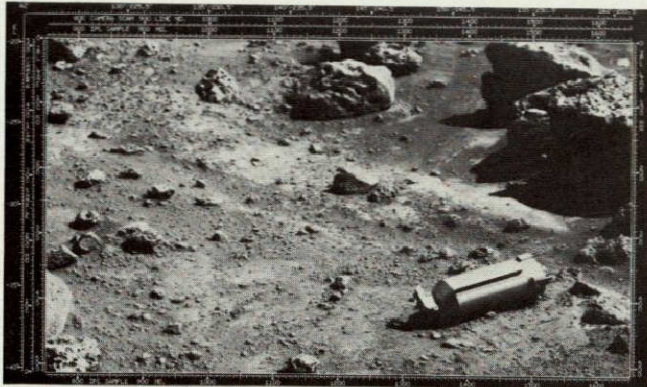
21B010/032 BB4 2/3



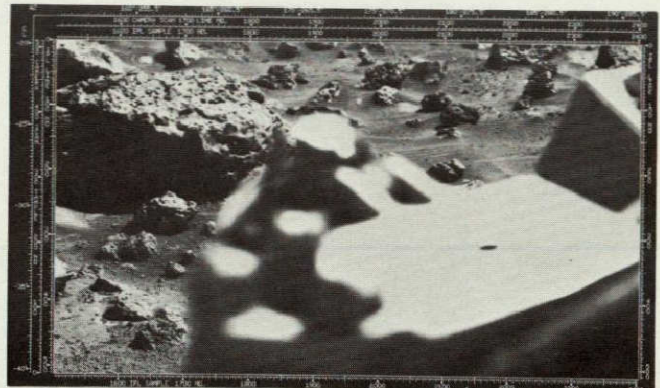
21B010/032 BB4 3/3 22B011/032 SURV



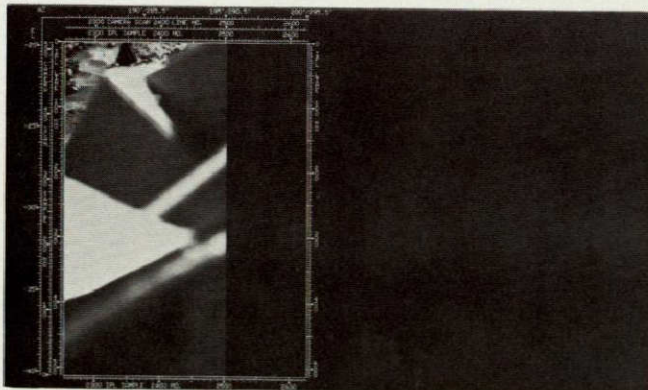
22B012/032 BB2 1/4



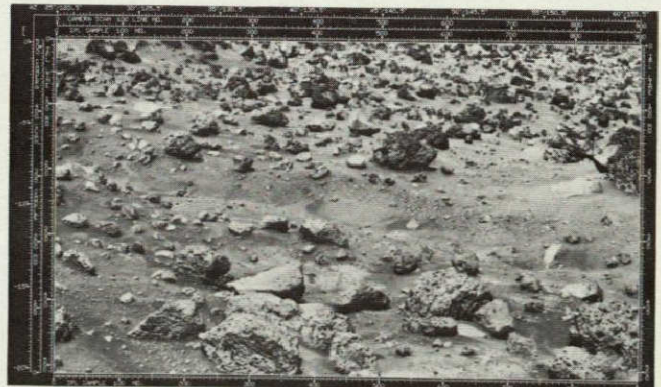
22B012/032 BB2 2/4



22B012/032 BB2 3/4



22B012/032 BB2 4/4



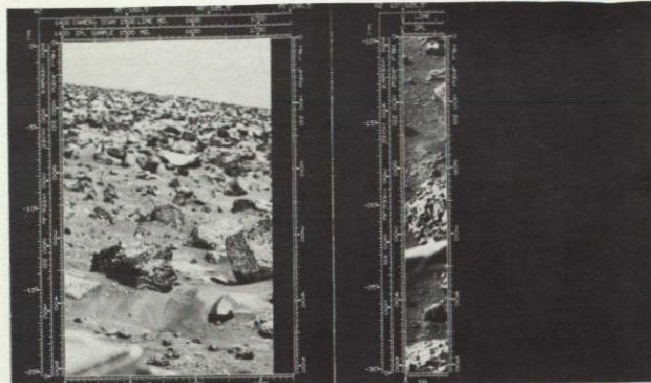
22B013/032 BB3 1/3

22B013/032-22B017/033

VL-2



22B013/032 BB3 2/3

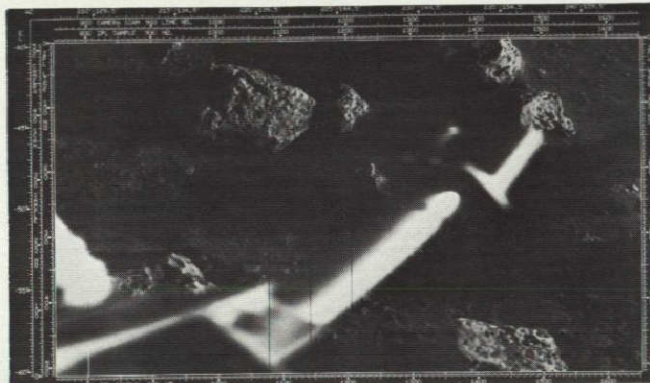


22B013/032 BB3 3/3

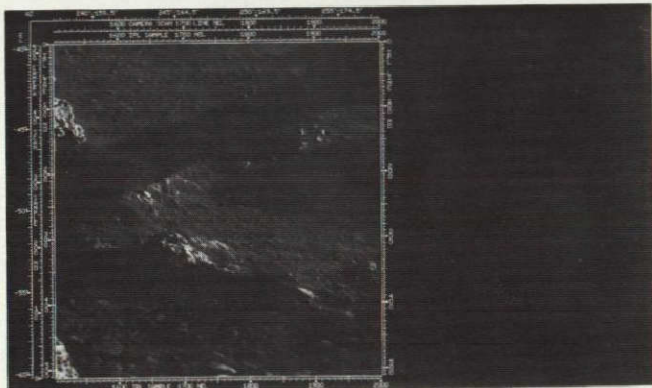
22B014/032 BB3



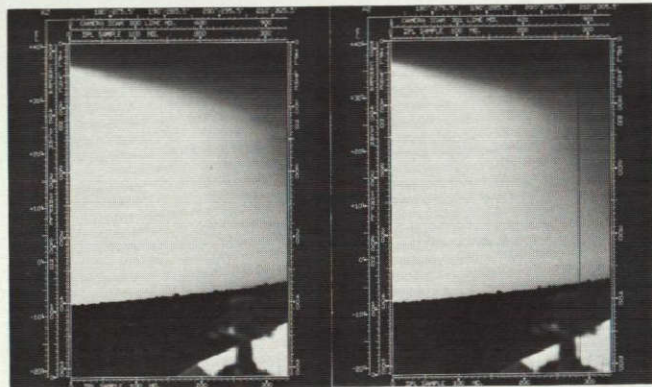
21B015/033 BB1 1/3



21B015/033 BB1 2/3

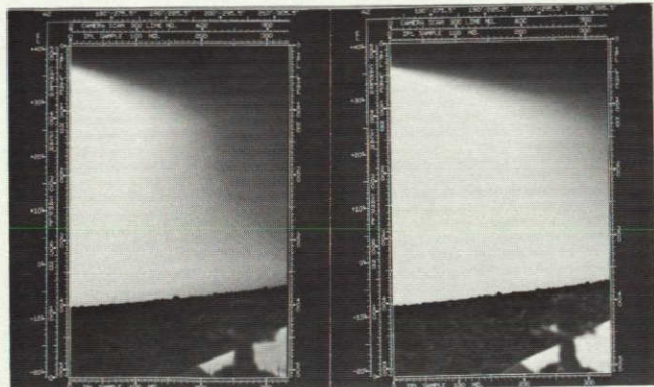


21B015/033 BB1 3/3



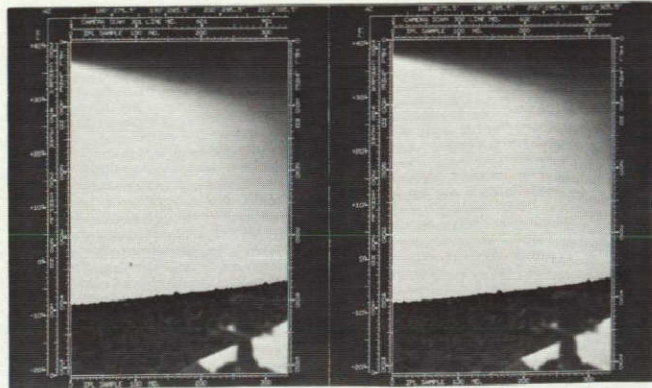
22B016/033 BLU/T

22B016/033 GRN/T



22B016/033 RED/T

22B017/033 IR3/T

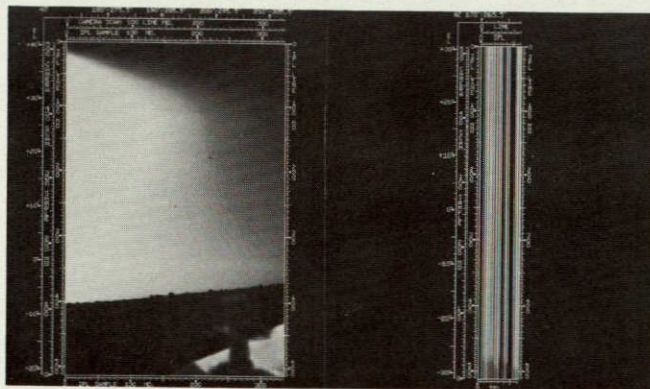


22B017/033 IR2/T

22B017/033 IR1/T

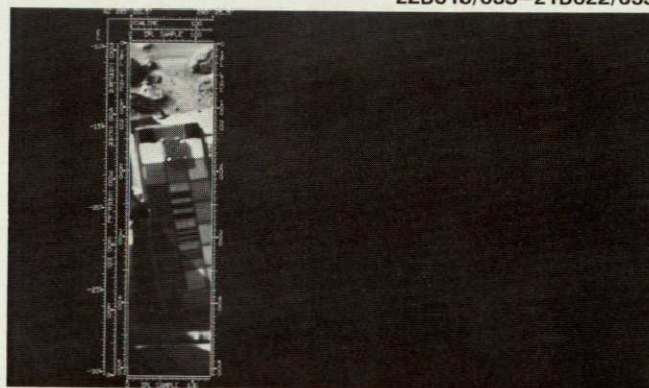
VL-2

22B018/033-21B022/033

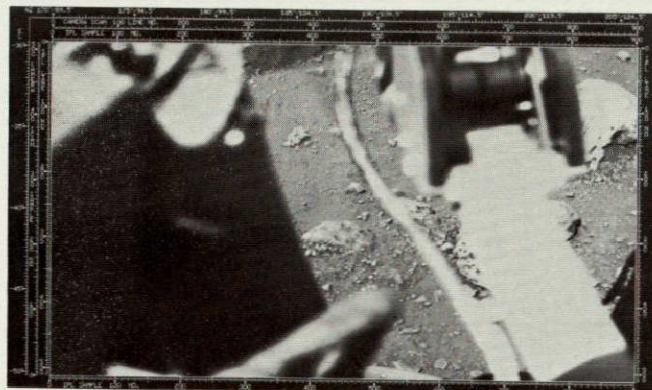


22B018/033 SURV

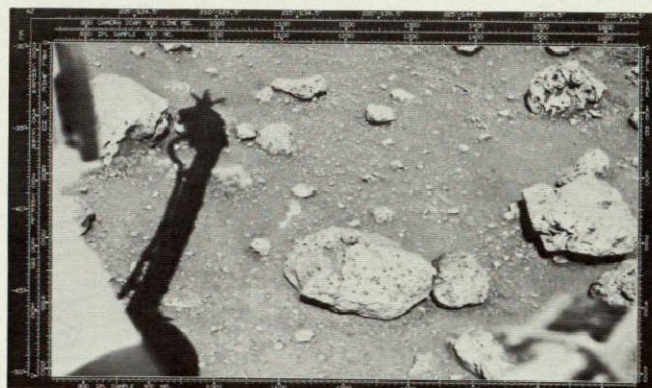
22B019/033 CAL



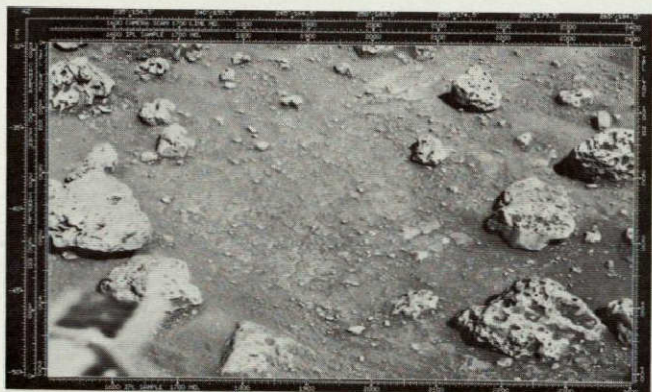
22B020/033 BB1



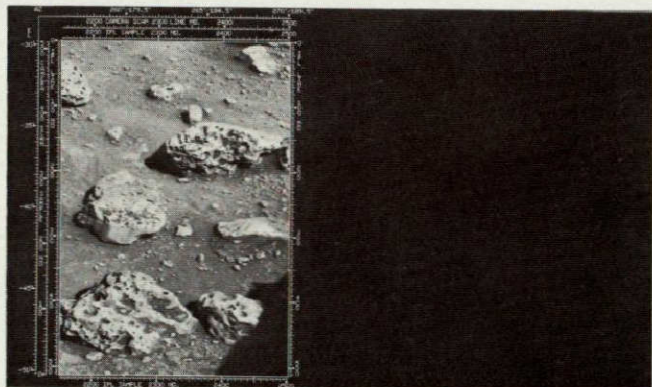
21B021/033 BB1 1/4



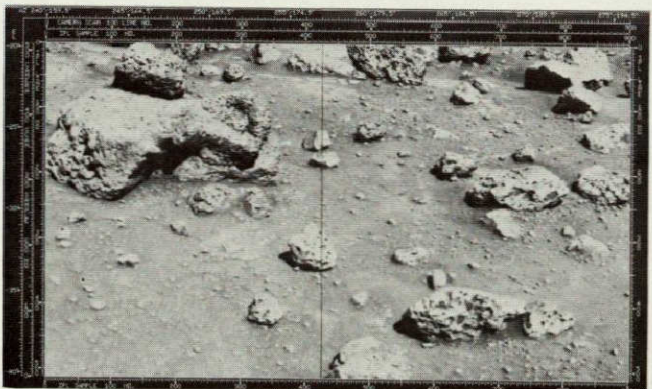
21B021/033 BB1 2/4



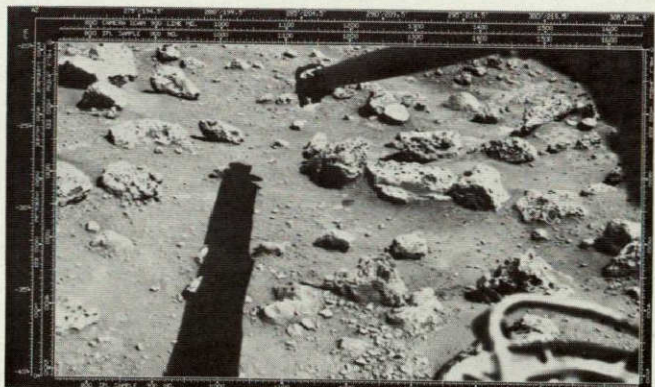
21B021/033 BB1 3/4



21B021/033 BB1 4/4



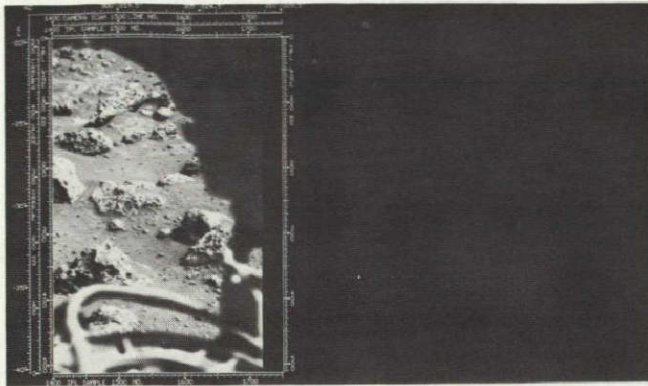
21B022/033 BB3 1/3



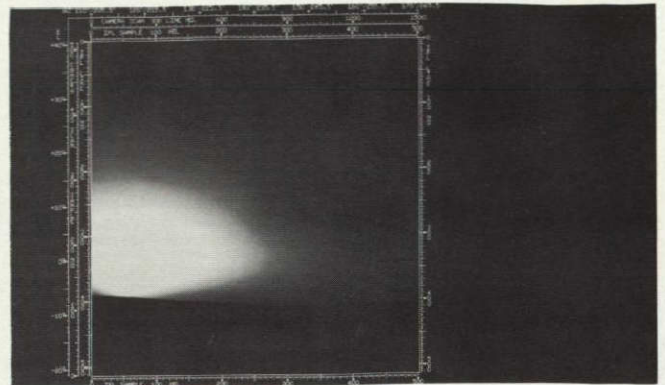
21B022/033 BB3 2/3

21B022/033-22B026/034

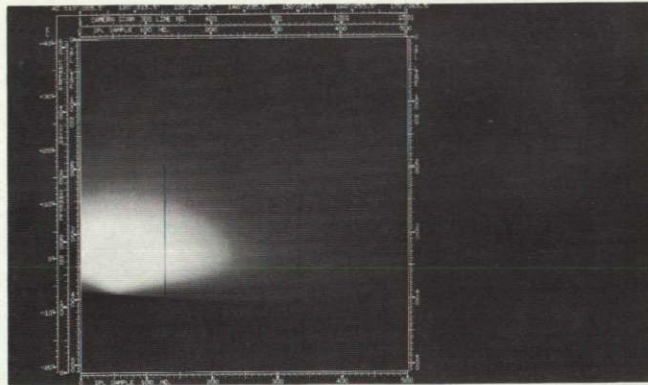
VL-2



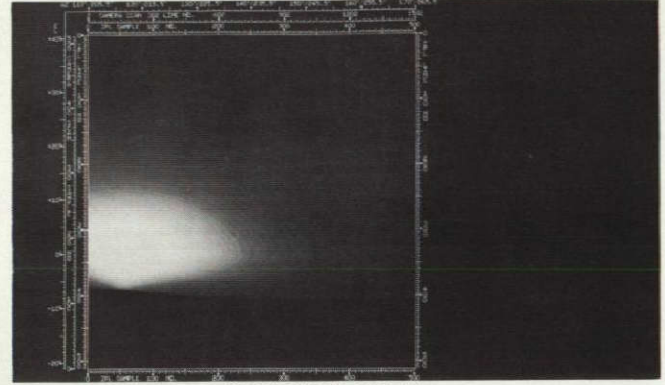
21B022/033 BB3 3/3



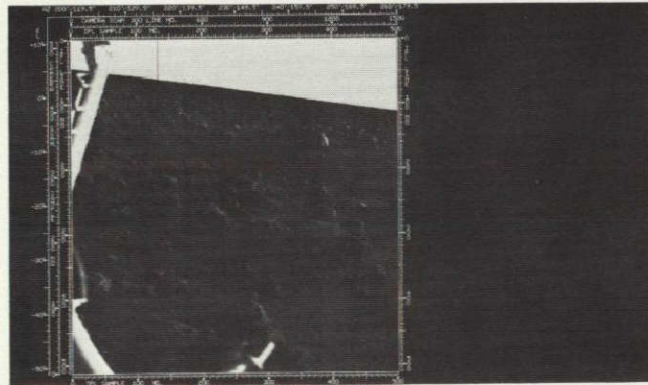
22B023/034 BLU/T



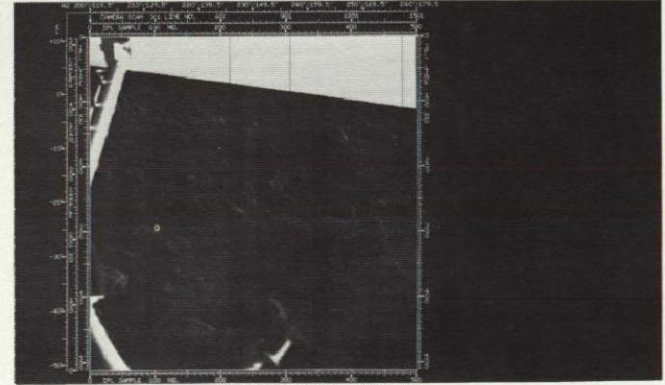
22B023/034 GRN/T



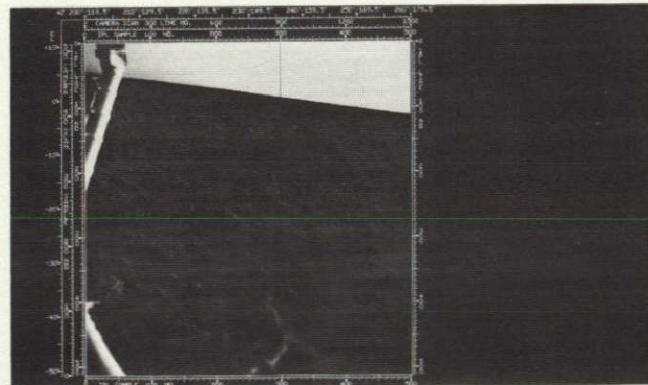
22B023/034 RED/T



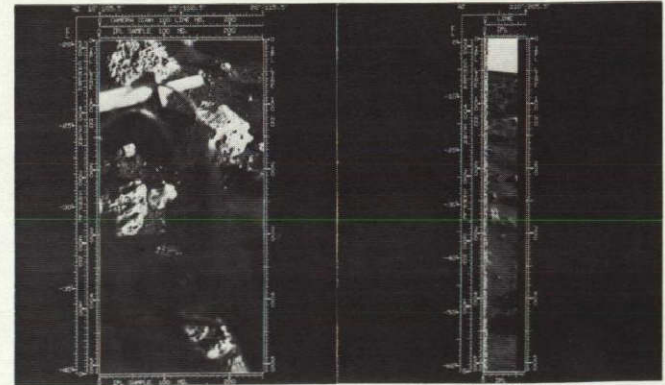
21B024/034 BLU/T



21B024/034 GRN/T



21B024/034 RED/T

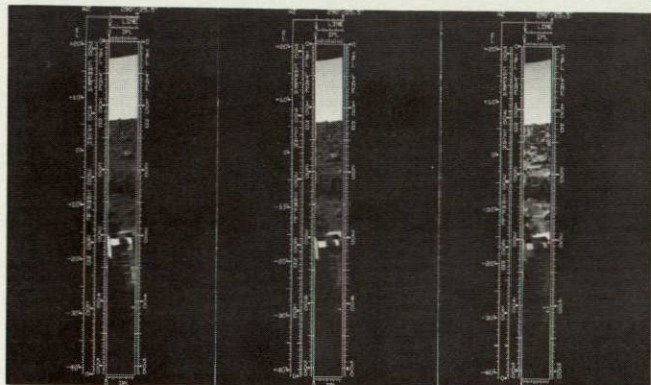


22B025/034 BB2

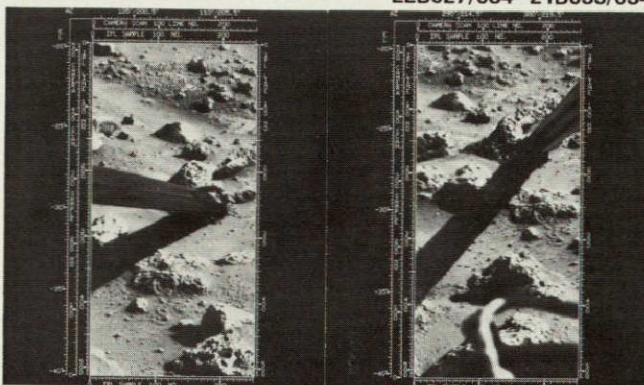
22B026/034 SURV

VL-2

22B027/034-21B033/034

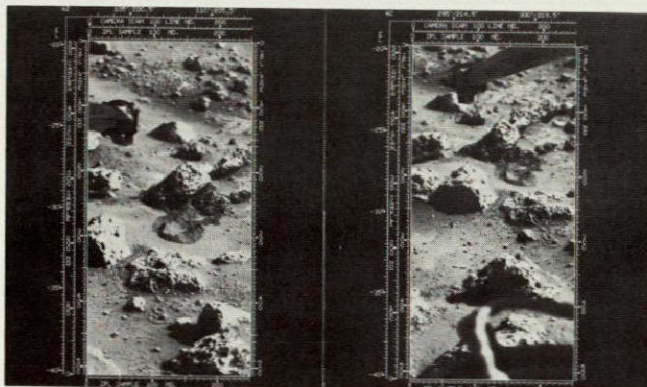


22B027/034 BLU/T 22B027/034 GRN/T 22B027/034 RED/T



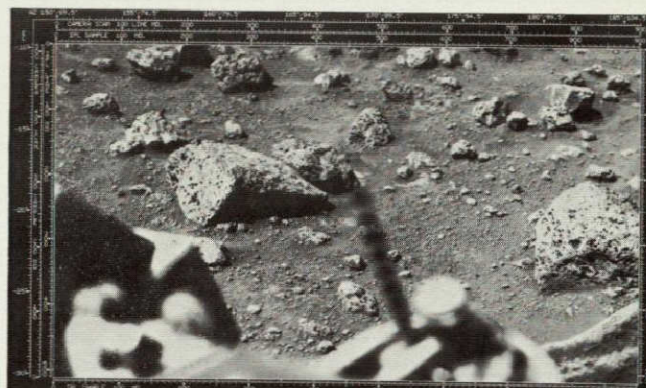
22B028/034 BB2

21B029/034 BB2

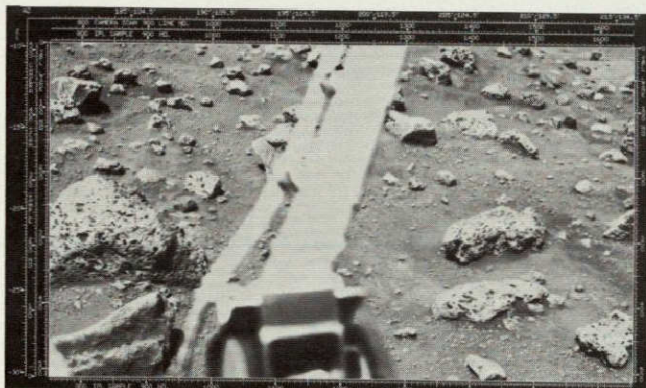


22B030/034 BB2

21B031/034 BB2



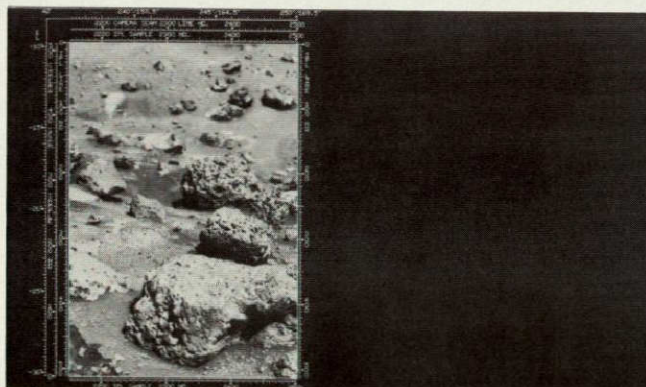
21B032/034 BB2 1/4



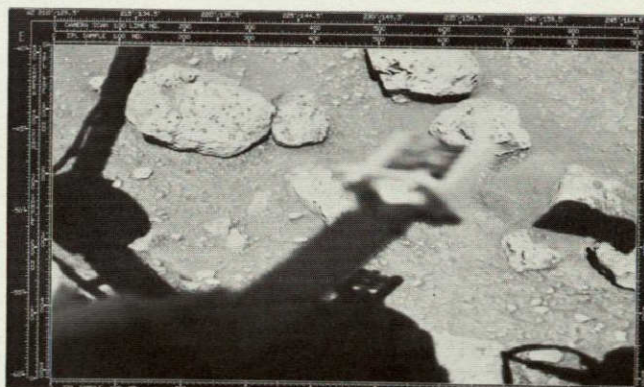
21B032/034 BB2 2/4



21B032/034 BB2 3/4



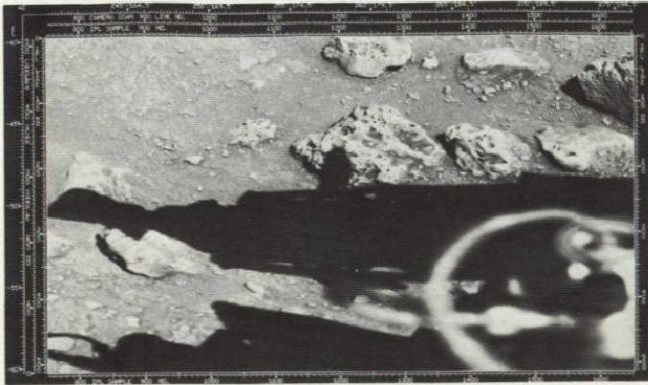
21B032/034 BB2 4/4



21B033/034 BB1 1/3

21B033/034-22B036/035

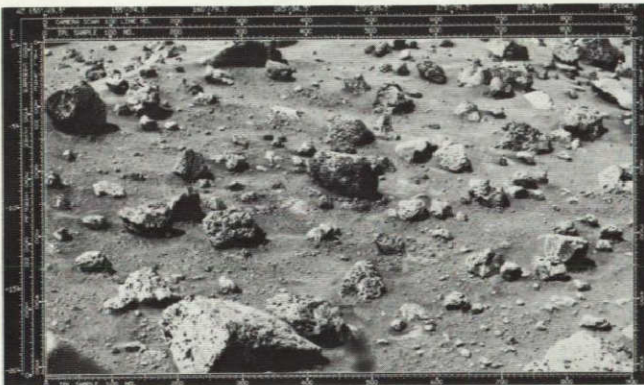
VL-2



21B033/034 BB1 2/3



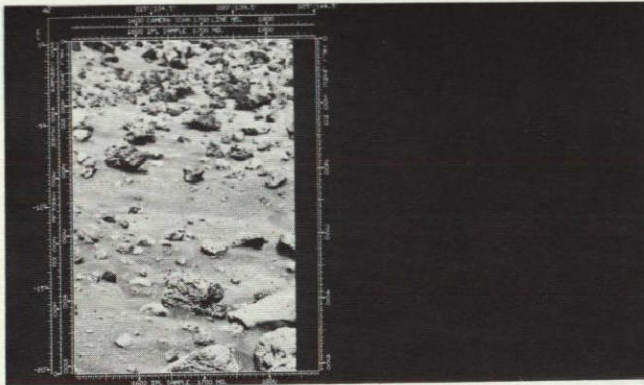
21B033/034 BB1 3/3



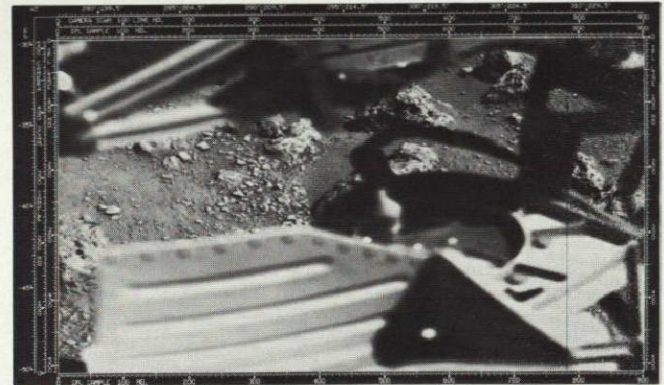
21B034/035 BB3 1/3



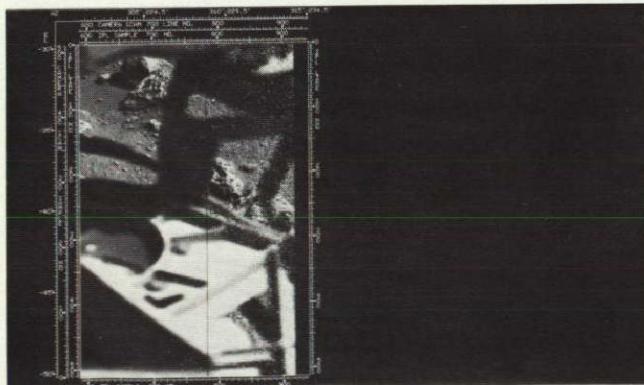
21B034/035 BB3 2/3



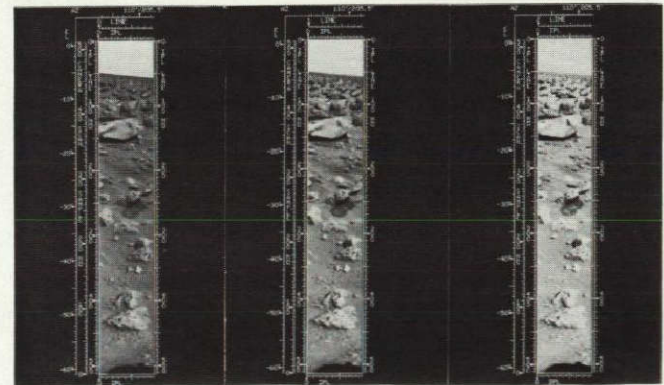
21B034/035 BB3 3/3



21B035/035 BB2 1/2



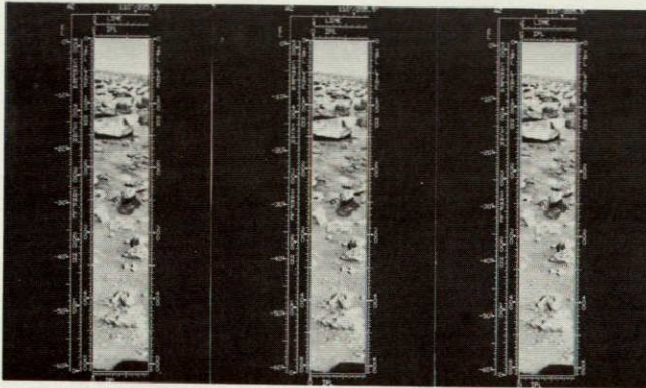
21B035/035 BB2 2/2



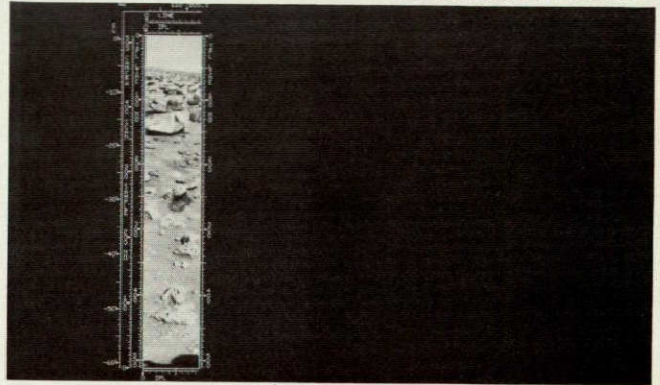
22B036/035 BLU/T 22B036/ GRN/T 22B036/035 RED/T

VL-2

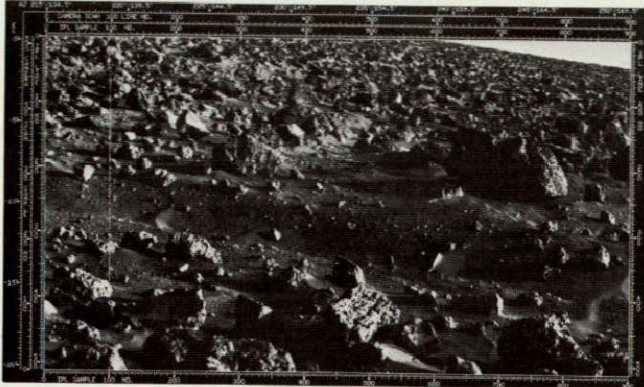
22B037/035-21B040/036



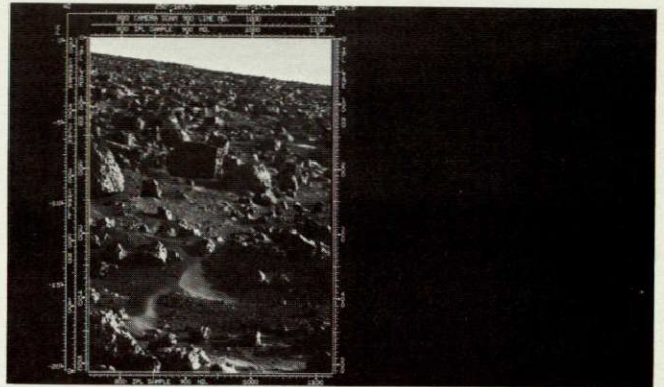
22B037/035 IR3/T 22B037/035 IR2/T 22B037/035 IR1/T



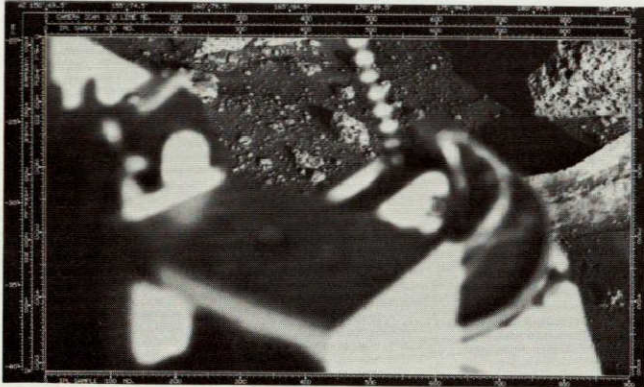
22B038/035 SURV



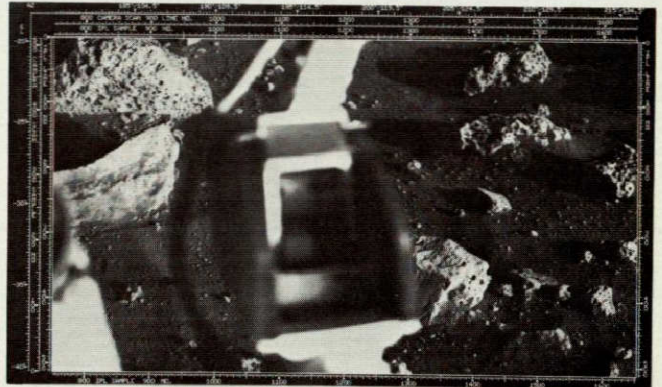
21B039/036 BB4 1/2



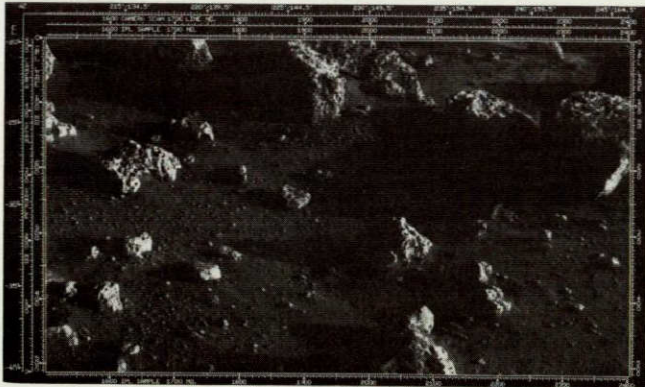
21B039/036 BB4 2/2



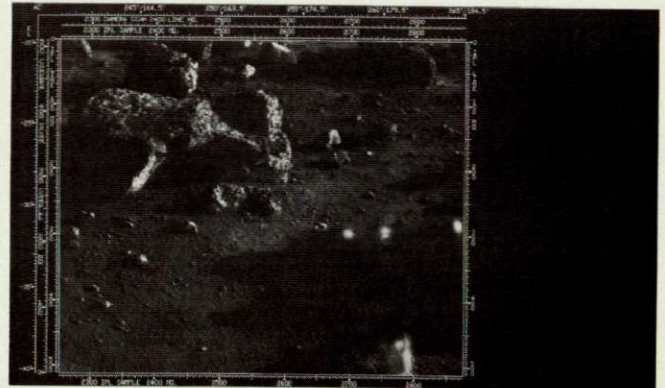
21B040/036 BB2 1/4



21B040/036 BB2 2/4



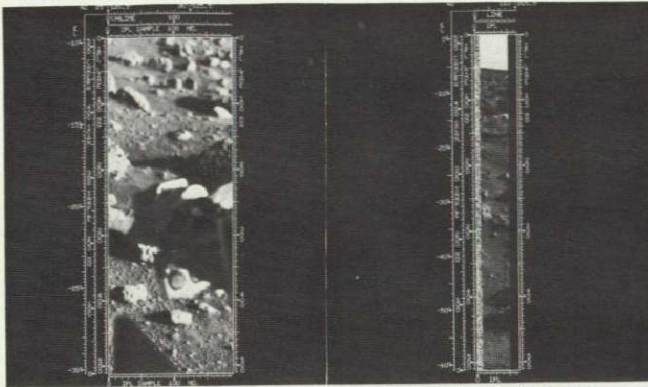
21B040/036 BB2 3/4



21B040/036 BB2 4/4

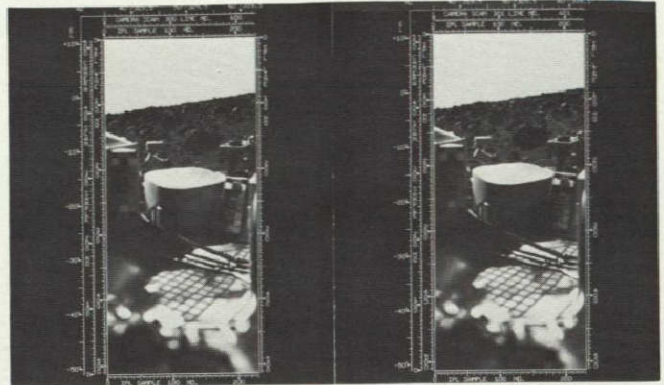
22B041/036-22B045/036

VL-2



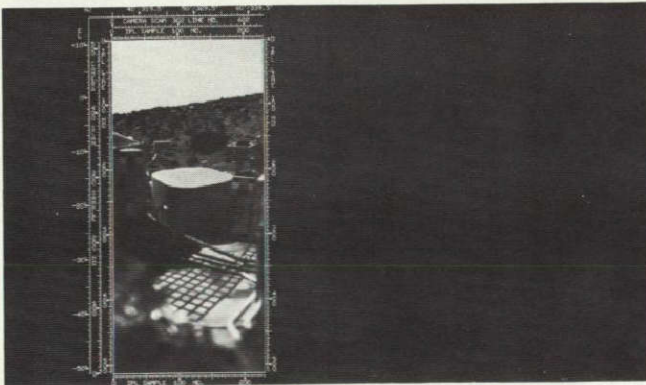
22B041/036 BB1

22B042/036 SURV

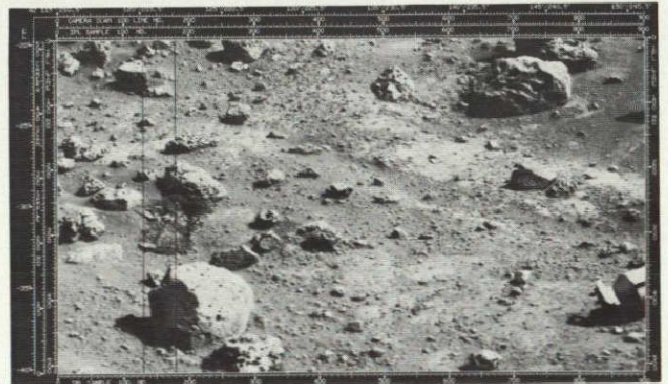


21B043/036 BLU/T

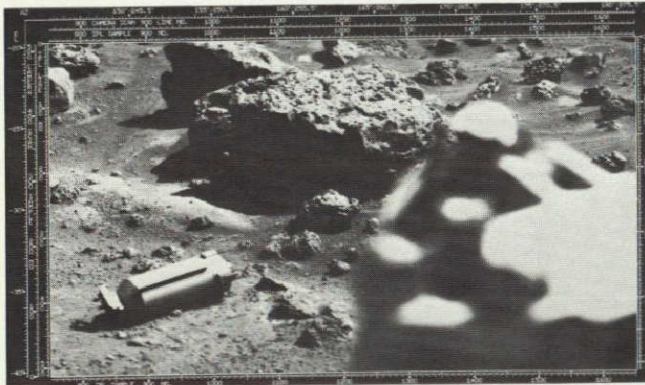
21B043/036 GRN/T



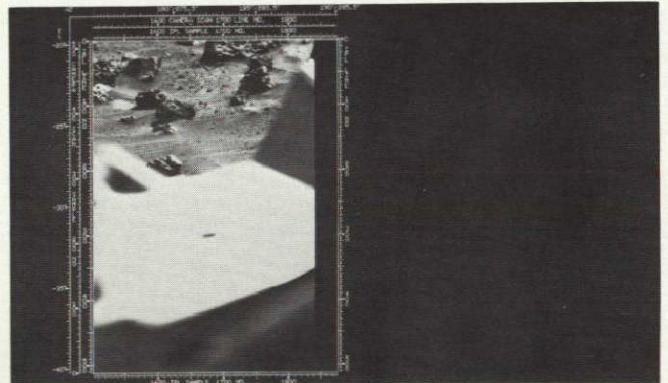
21B043/036 RED/T



22B044/036 BB3 1/3



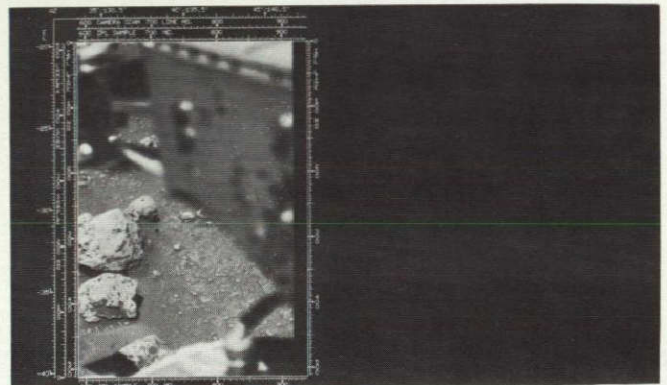
22B044/036 BB3 2/3



22B044/036 BB3 3/3



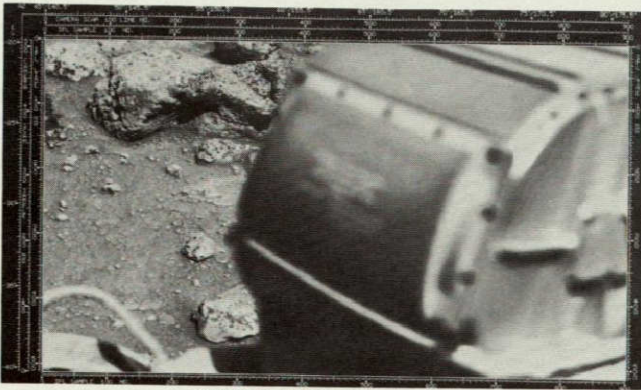
22B045/036 BB2 1/2



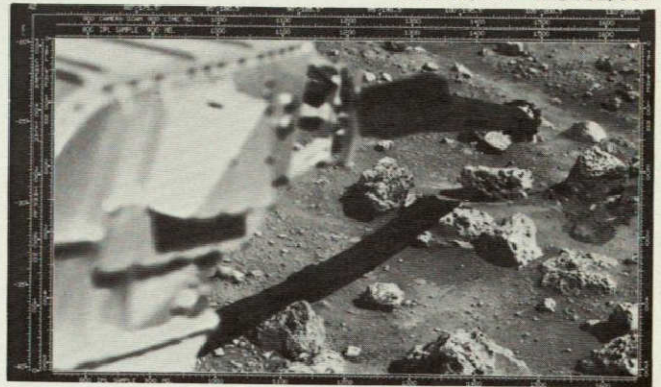
22B045/036 BB2 2/2

VL-2

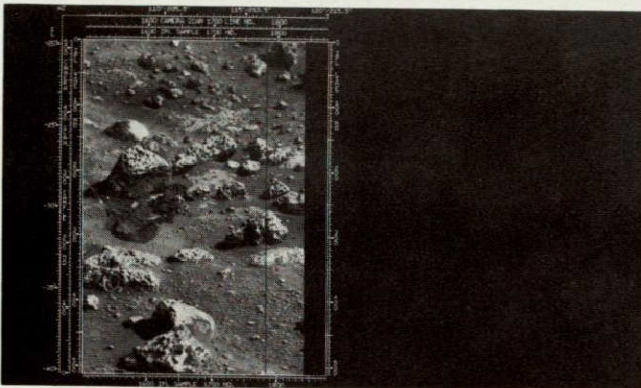
22B046/037-22B052/037



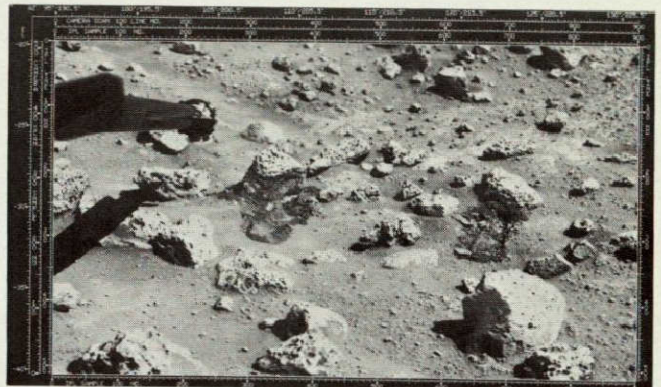
22B046/037 BB2 1/3



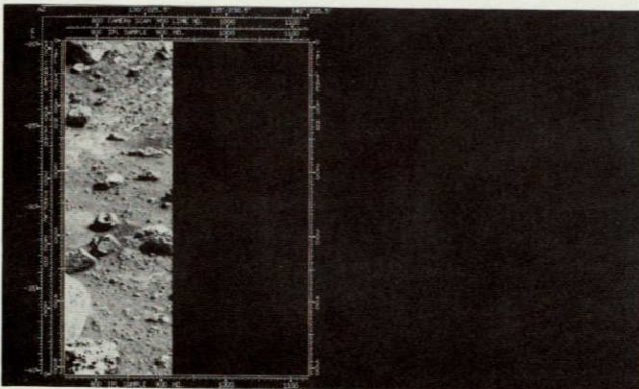
22B046/037 BB2 2/3



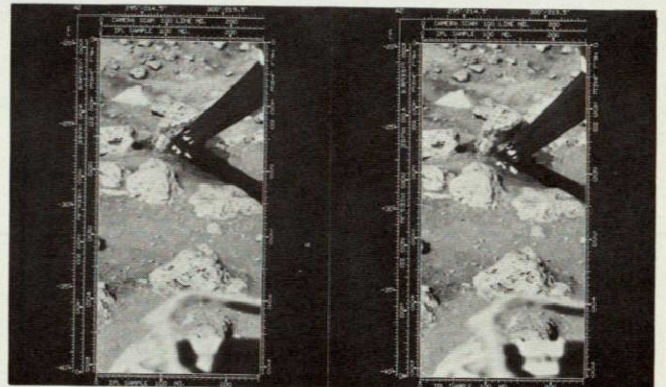
22B046/037 BB2 3/3



22B047/037 BB2 1/2

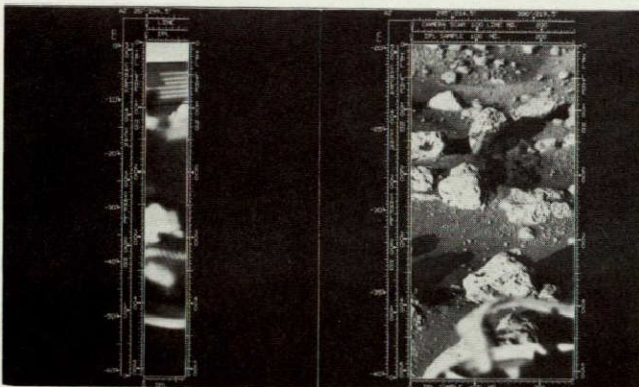


22B047/037 BB2 2/2



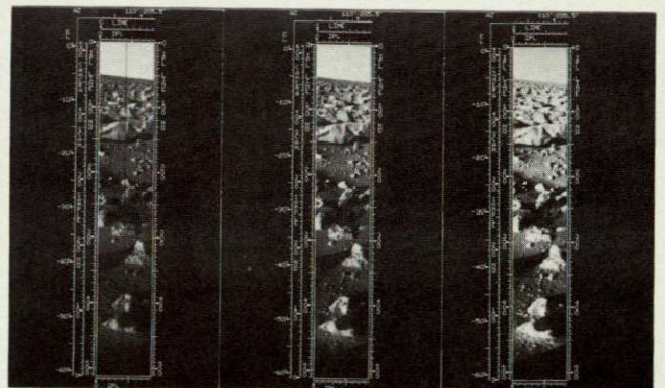
21B048/037 BB2

21B049/037 BB2



21B050/037 SURV

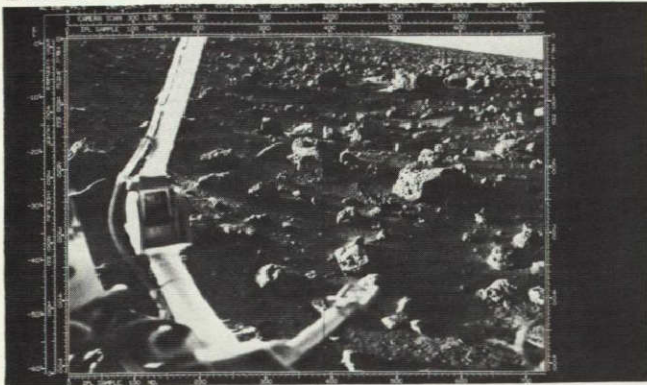
21B051/037 BB2



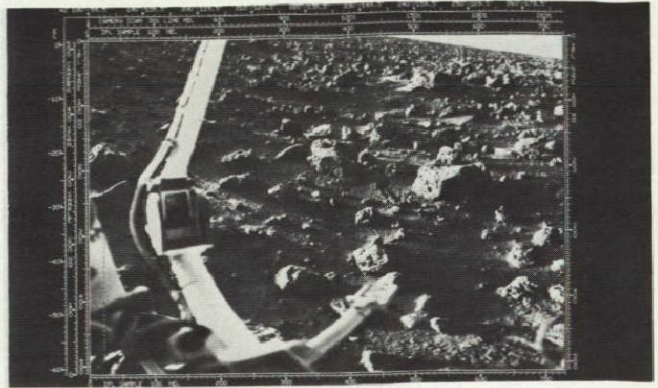
22B052/037 BLU/T 22B052/037 GRN/T 22B052/037 RED/T

21B053/037-22B057/038

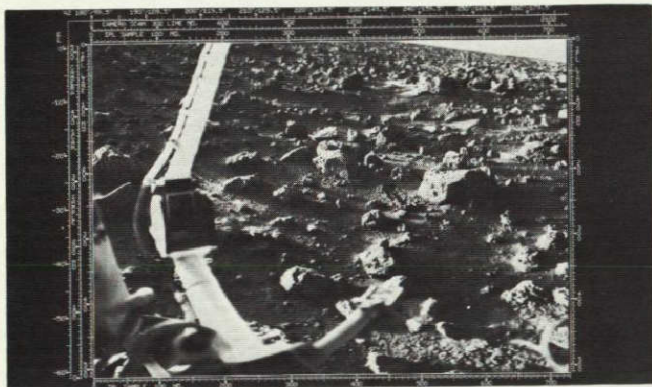
VL-2



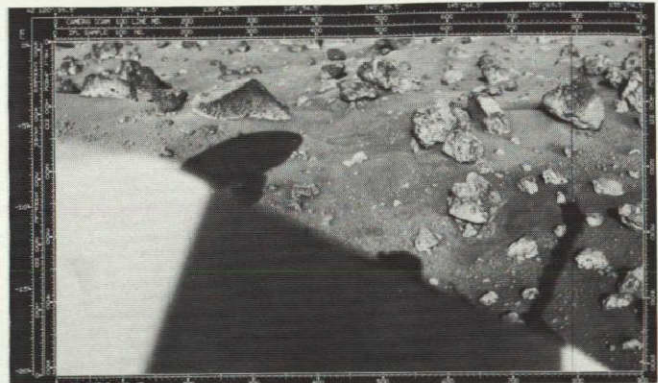
21B053/037 BLU/T



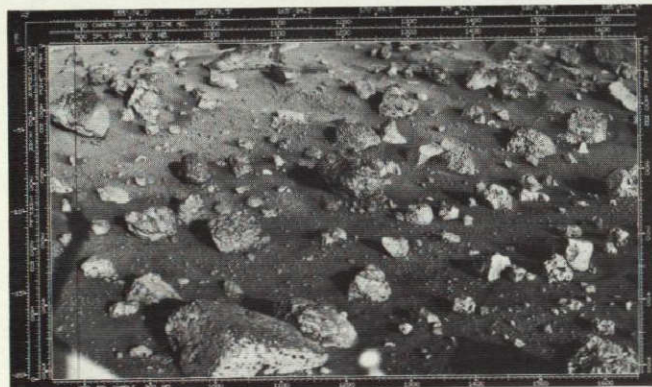
21B053/037 GRN/T



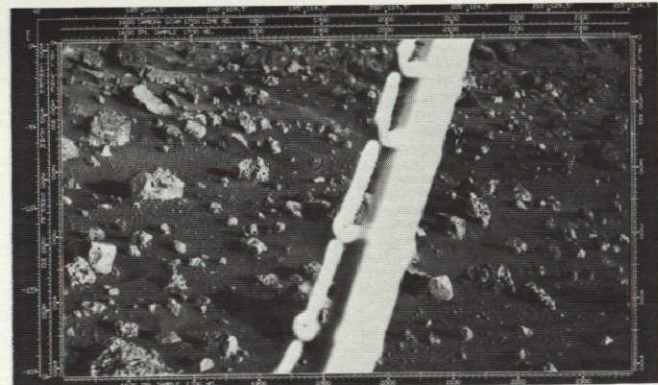
21B053/037 RED/T



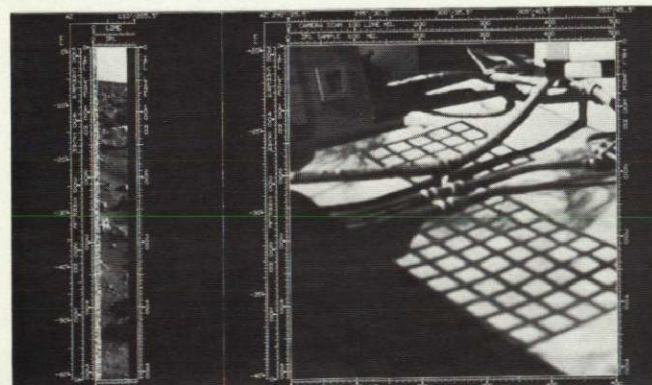
21B054/038 BB3 1/3



21B054/038 BB3 2/3

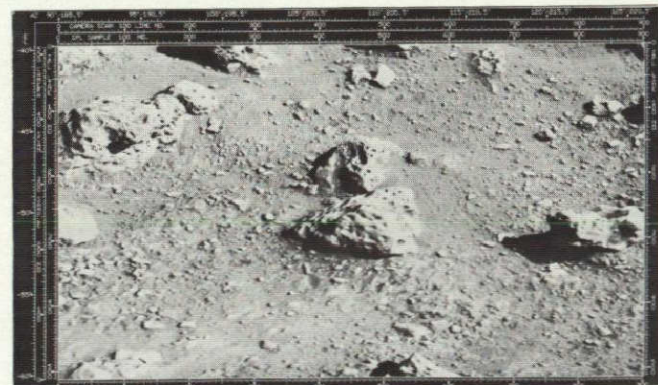


21B054/038 BB3 3/3



22B055/038 SURV

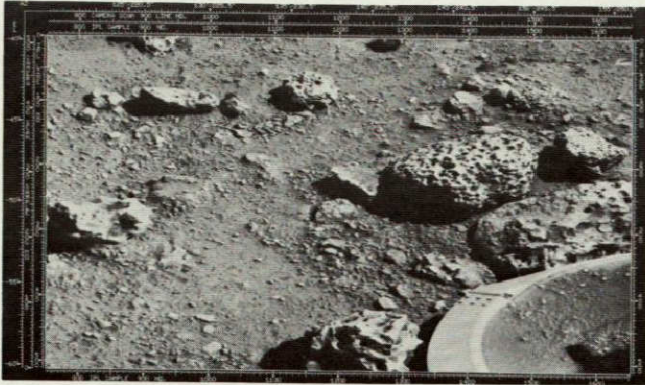
22B056/038 BB1



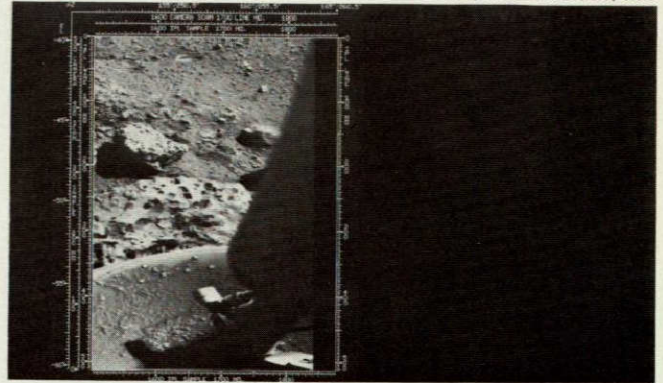
22B057/038 BB1 1/3

VL-2

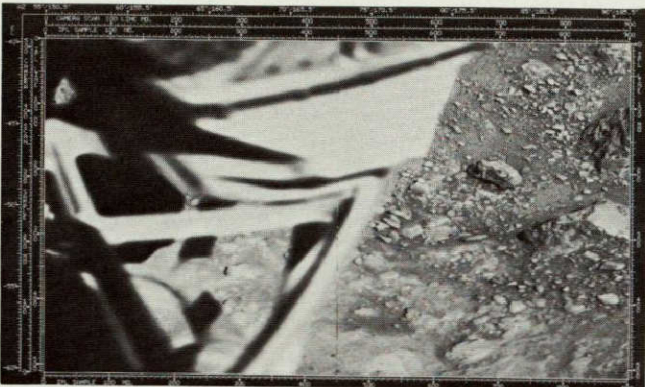
22B057/038-21B060/038



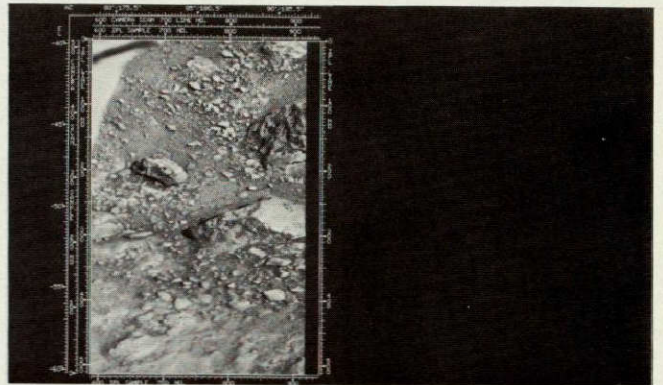
22B057/038 BB1 2/3



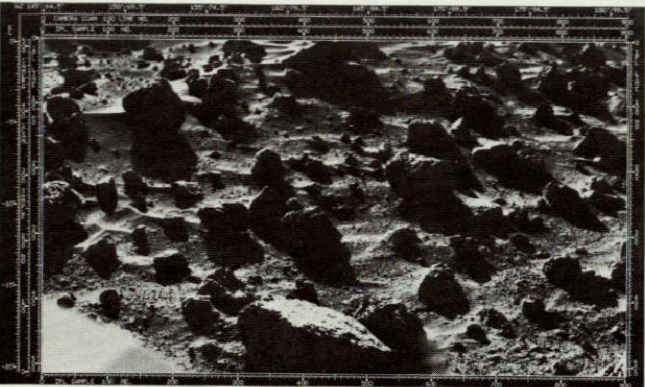
22B057/038 BB1 3/3



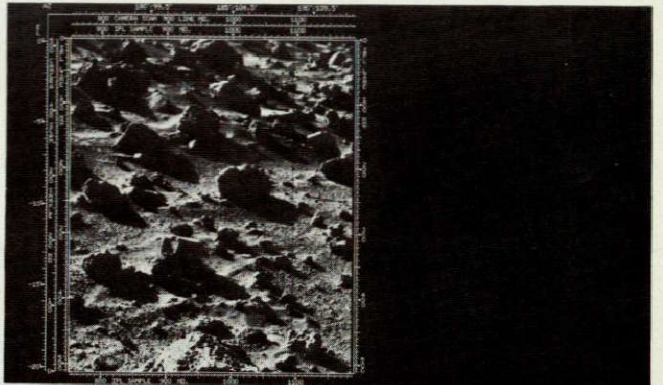
22B058/038 BB1 1/2



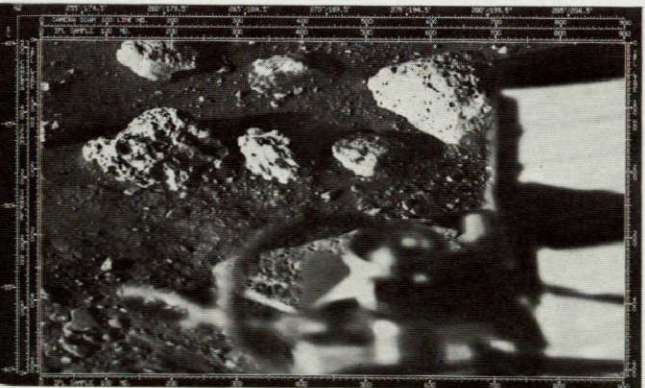
22B058/038 BB1 2/2



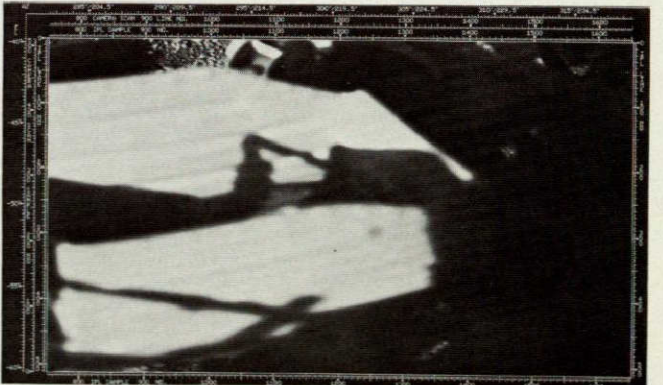
21B059/038 BB3 1/2



21B059/038 BB3 2/2



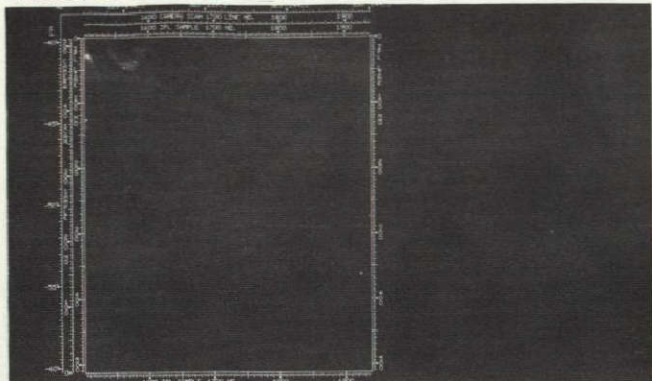
21B060/038 BB1 1/3



21B060/038 BB1 2/3

21B060/038-21B063/039

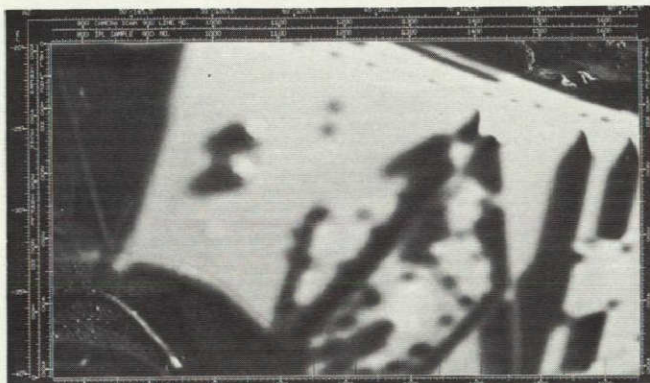
VL-2



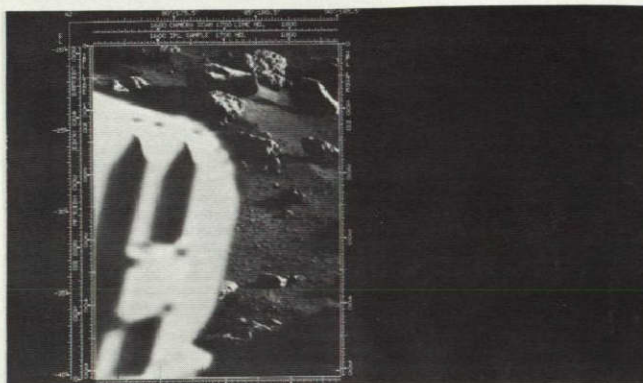
21B060/038 BB1 3/3



22B061/039 BB2 1/3



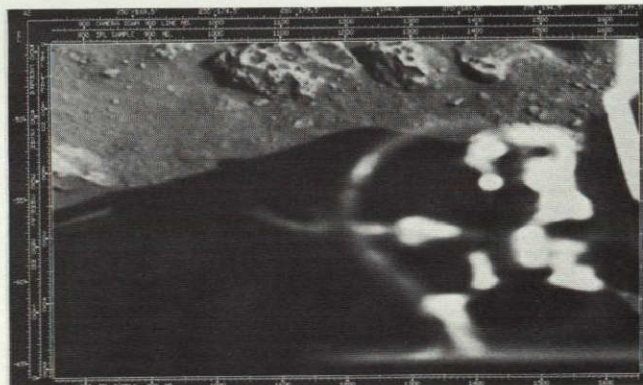
22B061/039 BB2 2/3



22B061/039 BB2 3/3



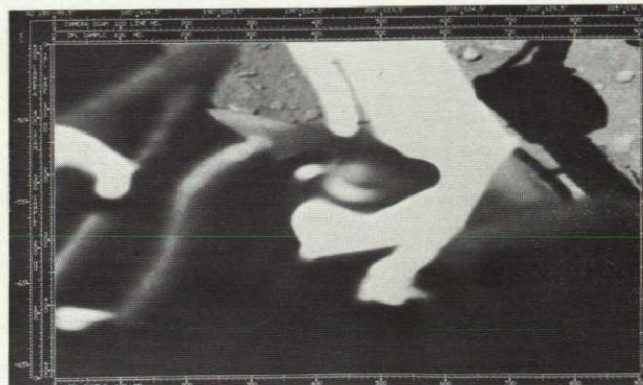
21B062/039 BLU 1/3



21B062/039 BLU 2/3



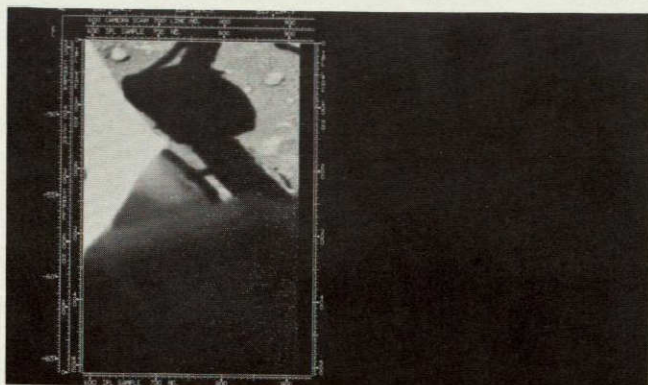
21B062/039 BLU 3/3



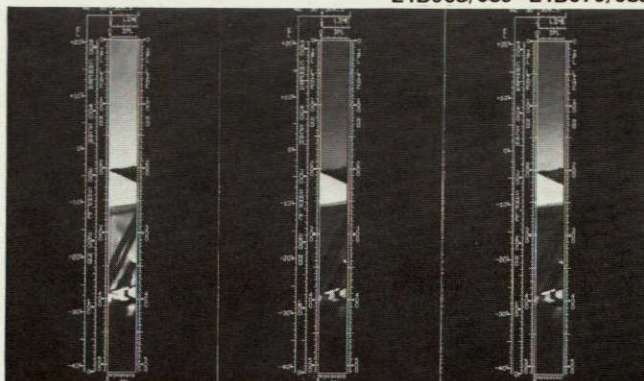
21B063/039 BLU 1/2

VL-2

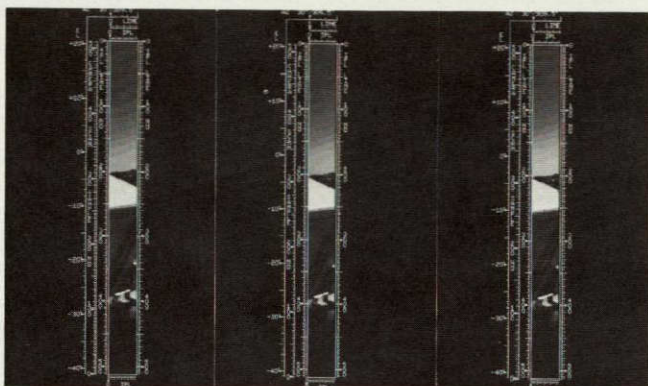
21B063/039-21B070/039



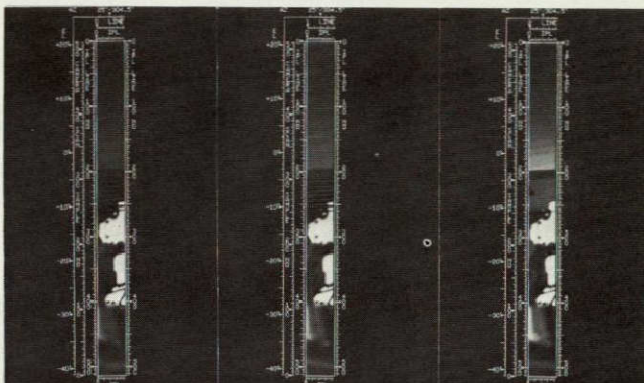
21B063/039 BLU 2/2



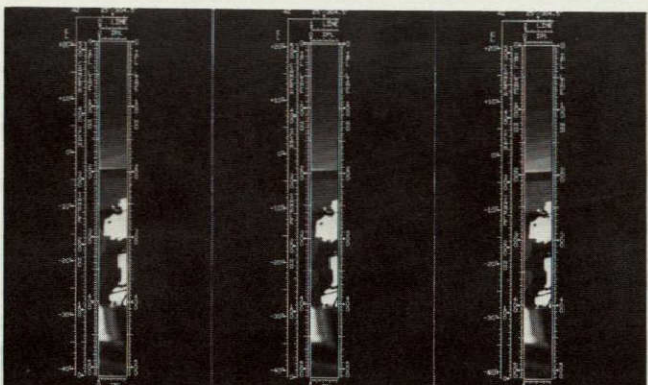
21B064/039 BLU/T 21B064/039 GRN/T 21B064/039 RED/T



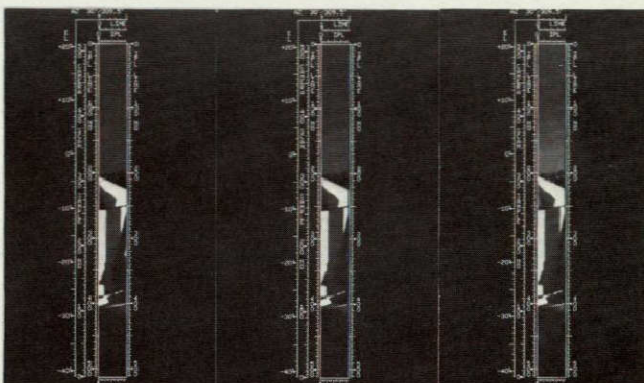
21B065/039 IR3/T 21B065/039 IR2/T 21B065/039 IR1/T



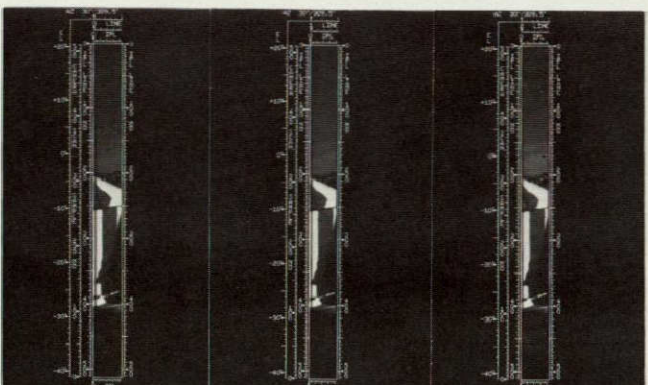
21B066/039 BLU/T 21B066/039 GRN/T 21B066/039 RED/T



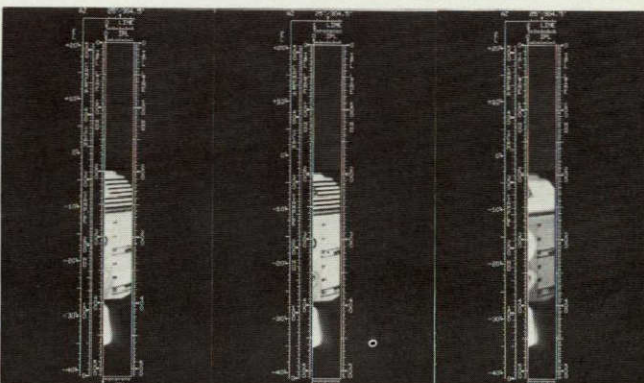
21B067/039 IR3/T 21B067/039 IR2/T 21B067/039 IR1/T



21B068/039 BLU/T 21B068/039 GRN/T 21B068/039 RED/T



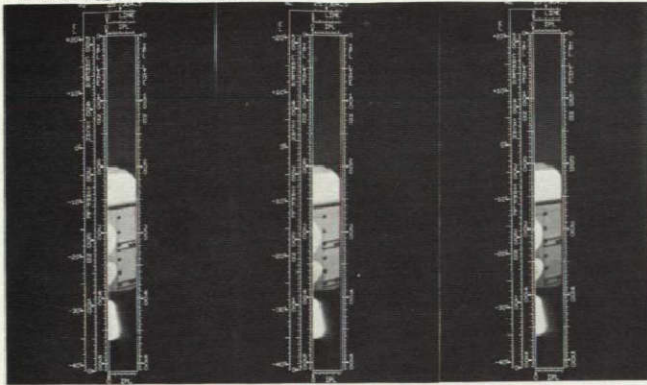
21B069/039 IR3/T 21B069/039 IR2/T 21B069/039 IR1/T



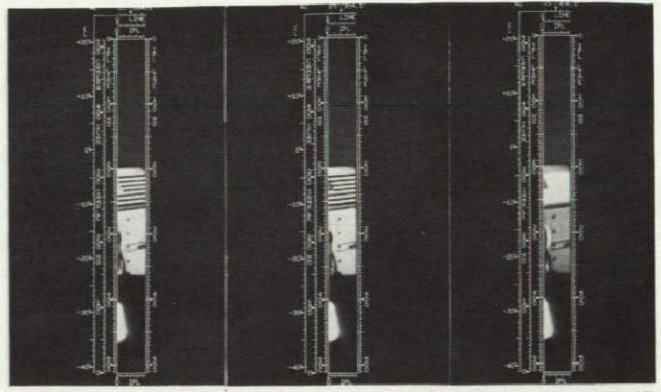
21B070/039 BLU/T 21B070/039 GRN/T 21B070/039 RED/T

21B071/039-22B076/039

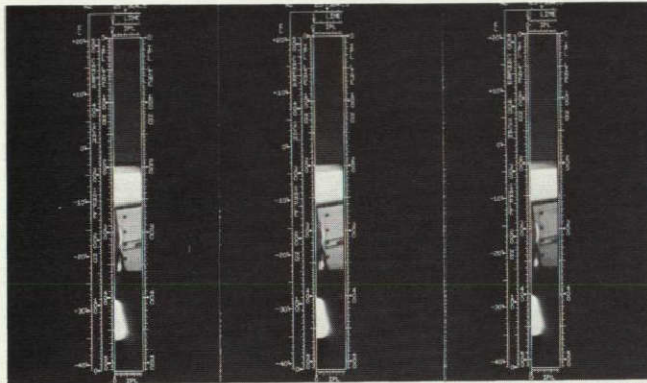
VL-2



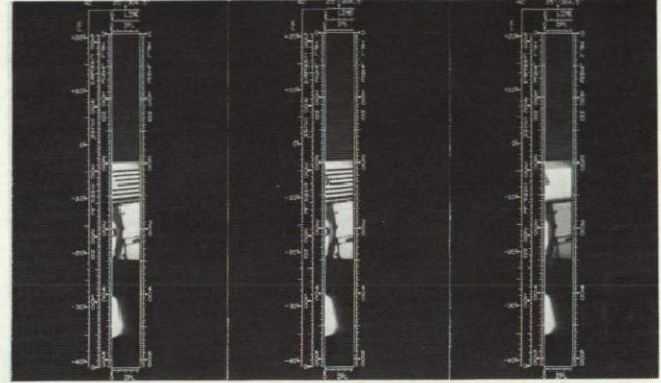
21B071/039 IR3/T 21B071/039 IR2/T 21B071/039 IR1/T



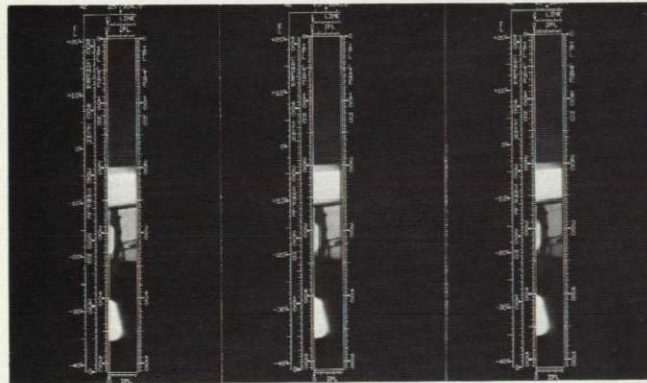
21B072/039 BLU/T 21B072/039 GRN/T 21B072/039 RED/T



21B073/039 IR3/T 21B073/039 IR2/T 21B073/039 IR1/T



21B074/039 BLU/T 21B074/039 GRN/T 21B074/039 RED/T



21B075/039 IR3/T 21B075/039 IR2/T 21B075/039 IR1/T



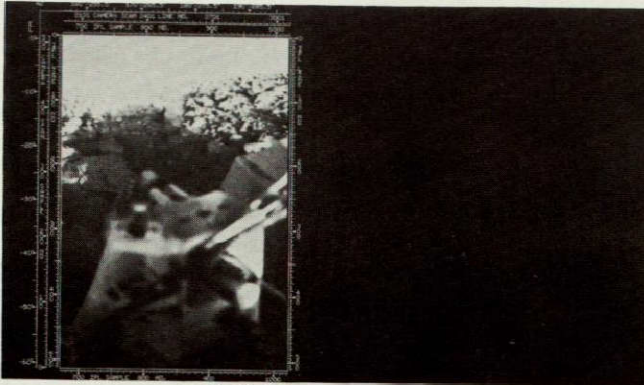
22B076/039 BLU/T 1/2



22B076/039 BLU/T 2/2



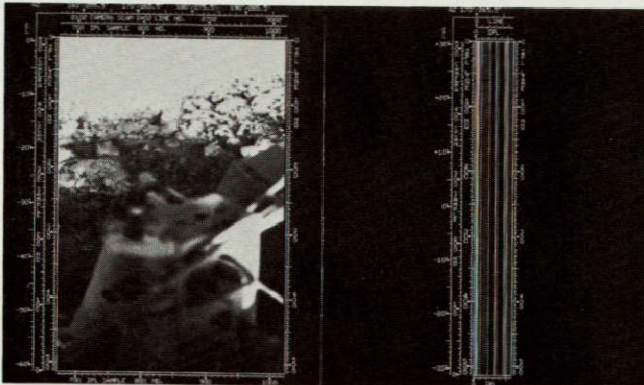
22B076/039 GRN/T 1/2



22B076/039 GRN/T 2/2

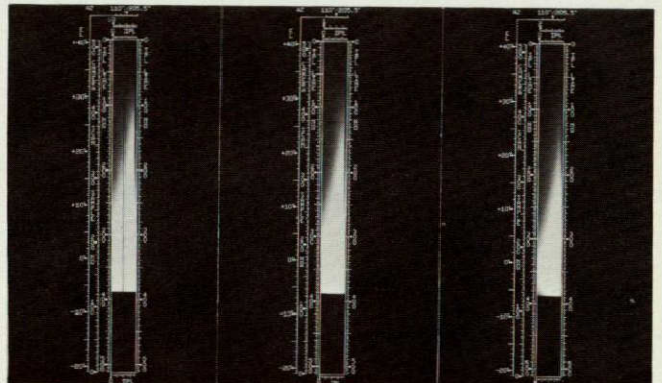


22B076/039 RED/T 1/2

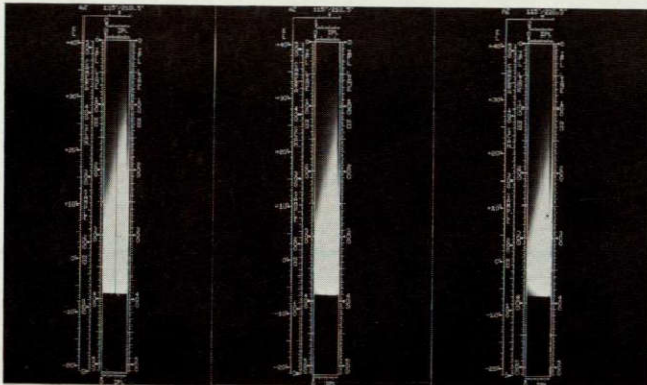


22B076/039 RED/T 2/2

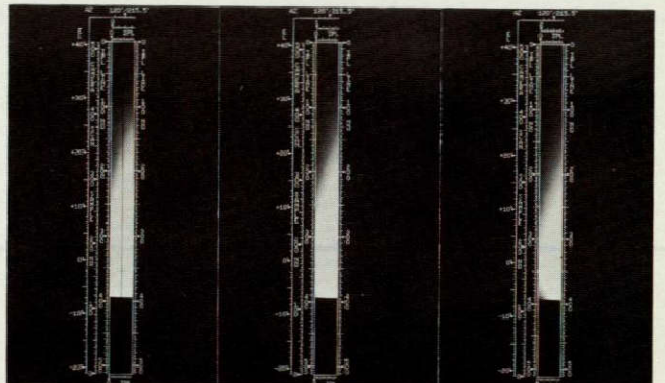
22B077/039 CAL



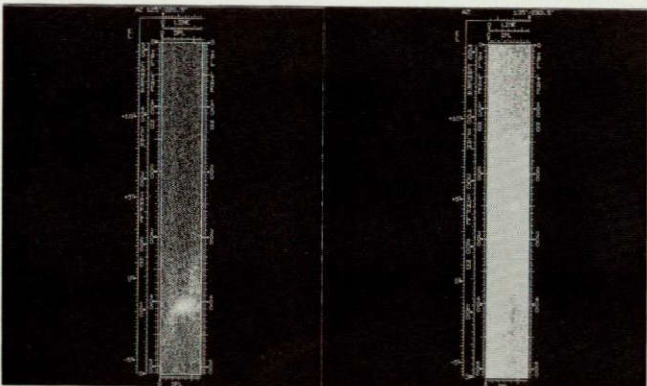
22B078/040 BLU/T 22B078/040 GRN/T 22B078/040 RED/T



22B079/040 BLU/T 22B079/040 GRN/T 22B079/040 RED/T

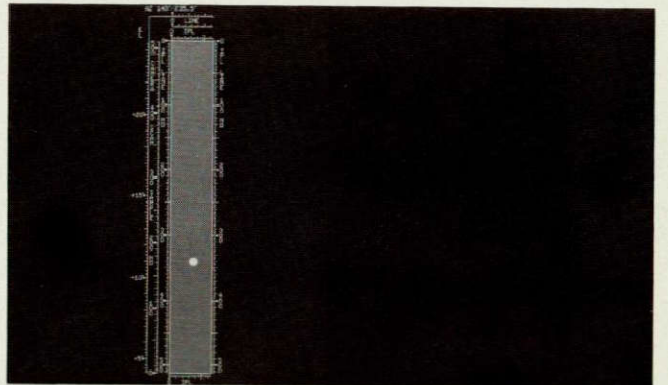


22B080/040 BLU/T 22B080/040 GRN/T 22B080/040 RED/T



22B081/040 SUN

22B082/040 SUN



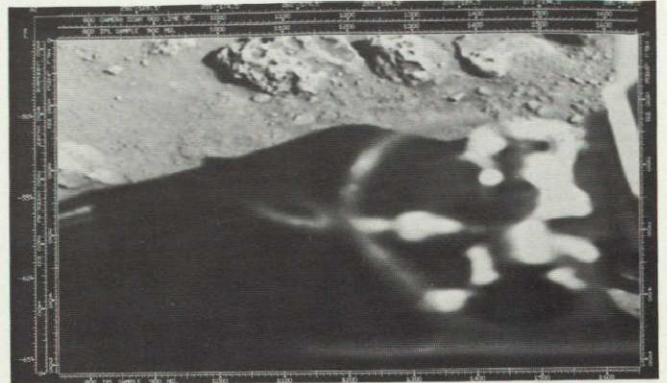
22B083/040 SUN

21B085/040-22B087/040

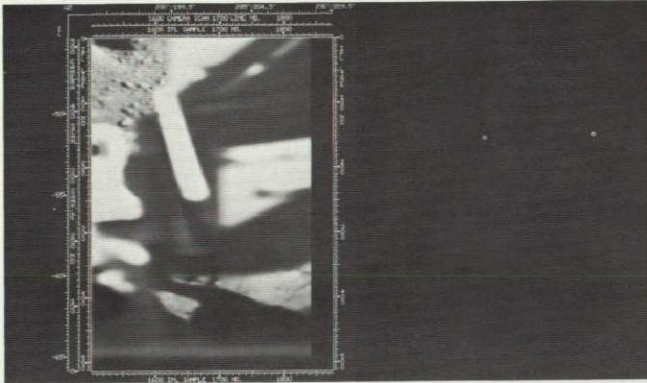
VL-2



21B085/040 GRN 1/3



21B085/040 GRN 2/3



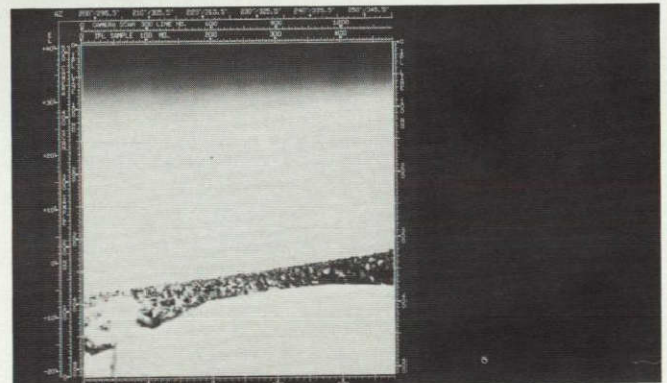
21B085/040 GRN 3/3



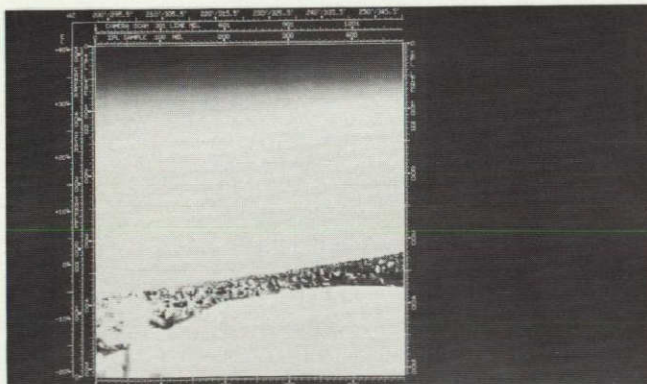
21B086/040 GRN 1/2



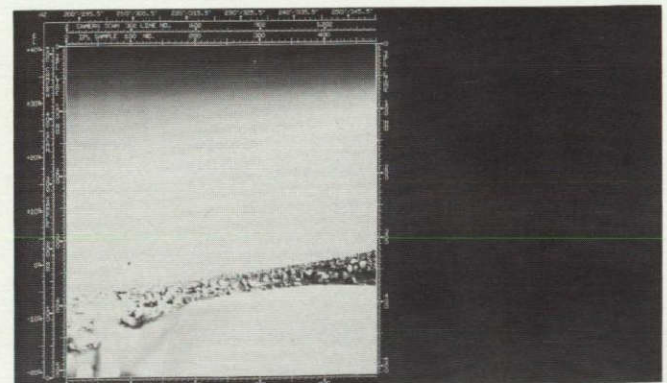
21B086/040 GRN 2/2



22B087/040 BLU/T



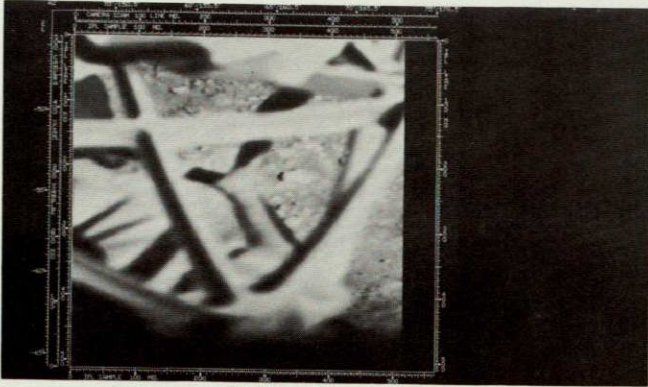
22B087/040 GRN/T



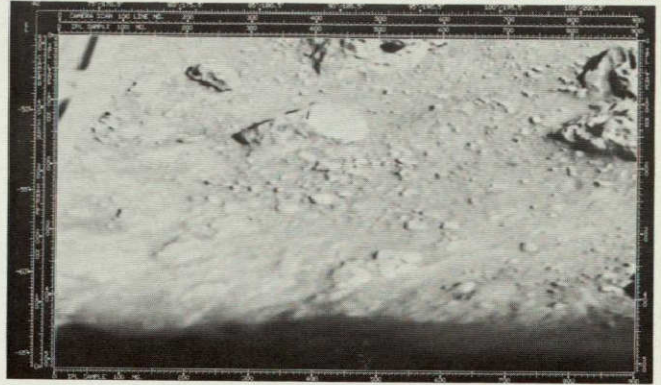
22B087/040 RED/T

VL-2

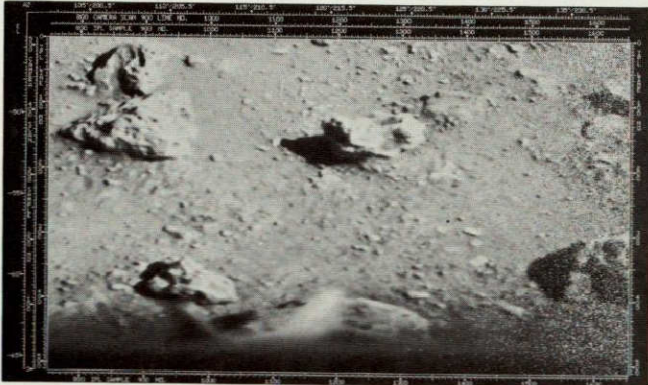
22B088/041-21B093/042



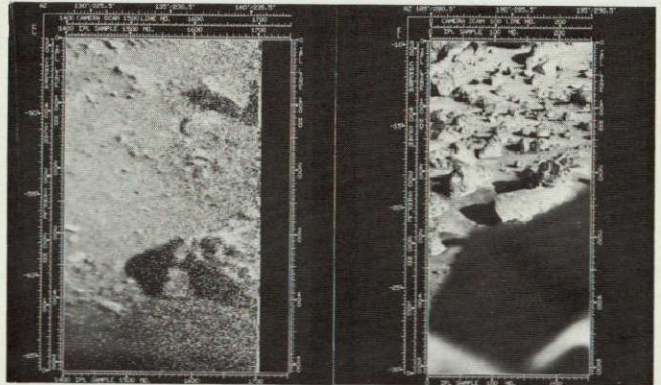
22B088/041 RED



22B089/041 RED 1/3

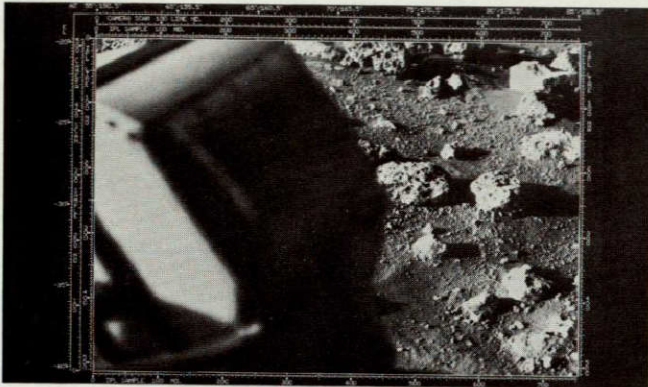


22B089/041 RED 2/3

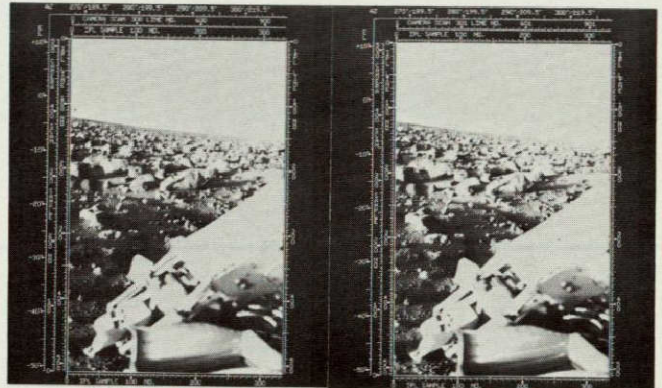


22B089/041 RED 3/3

22B090/041 BB4

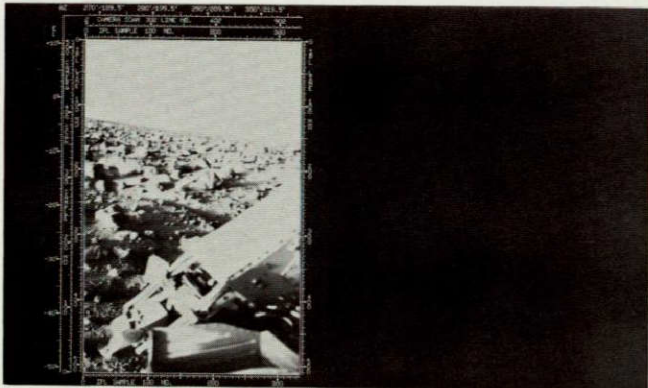


22B091/041 BB2

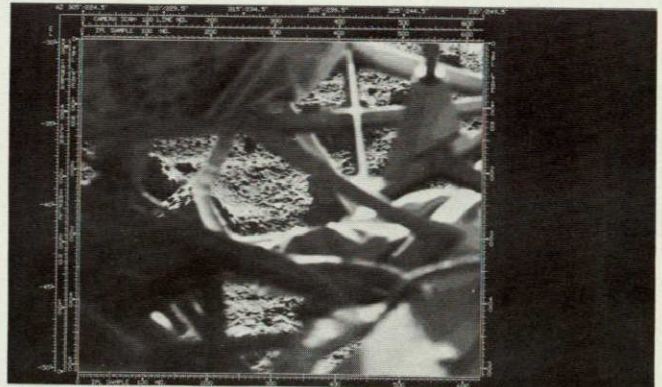


21B092/041 BLU/T

21B092/041 GRN/T



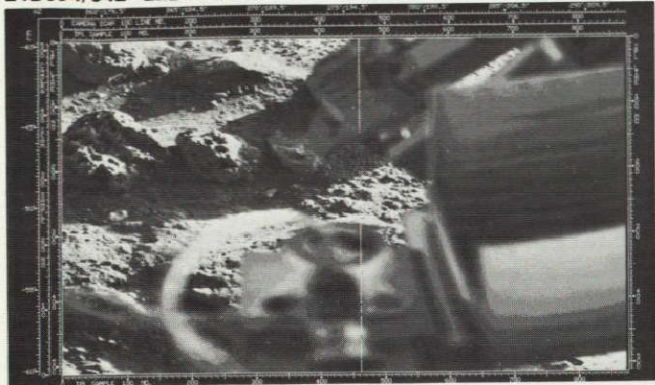
21B092/041 RED/T



21B093/042 BB2

21B094/042-22B100/042

VL-2



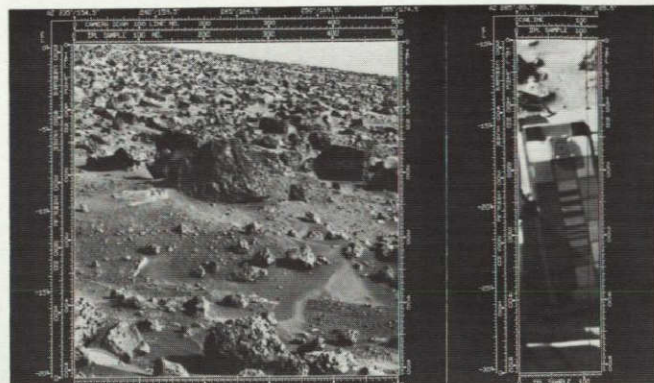
21B094/042 BB1



21B095/042 BB4 1/2

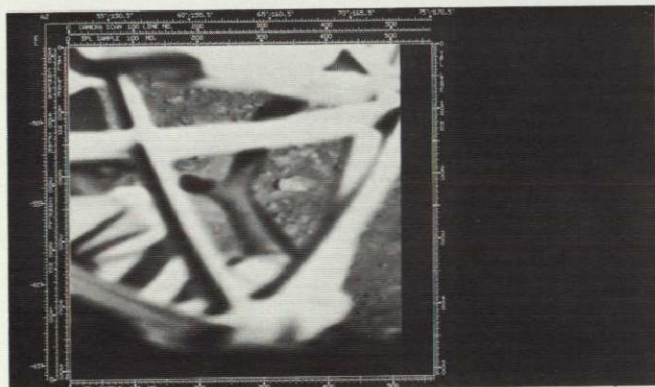


21B095/042 BB4 2/2

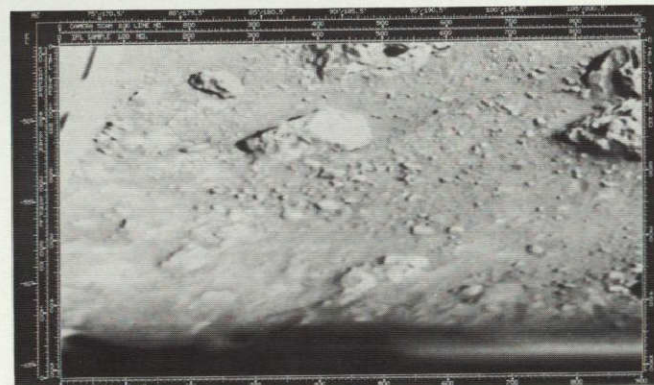


21B096/042 BB4

22B098/042 BB1



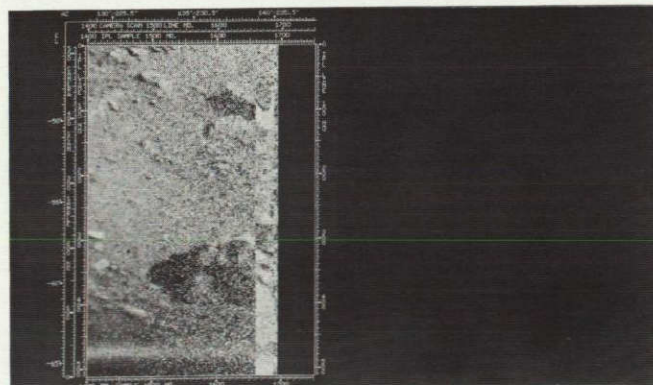
22B099/042 GRN



22B100/042 GRN 1/3



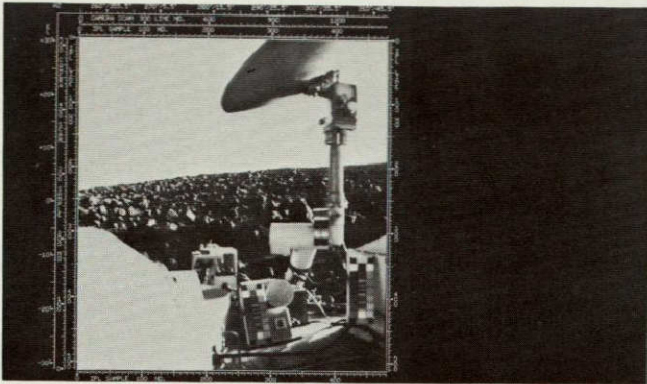
22B100/042 GRN 2/3



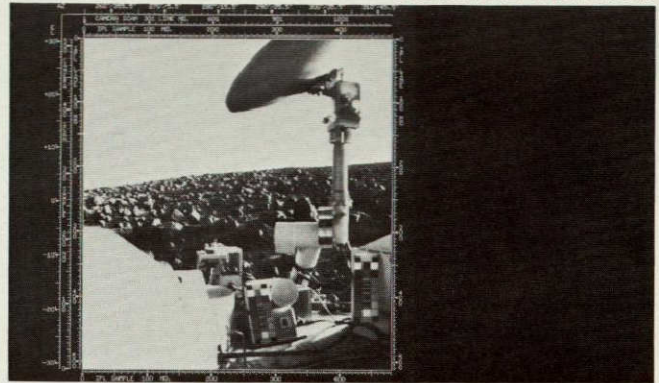
22B100/042 GRN 3/3

VL-2

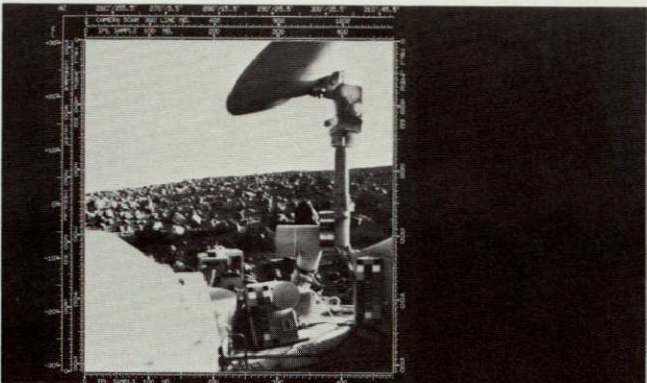
22B101/042-21B104/043



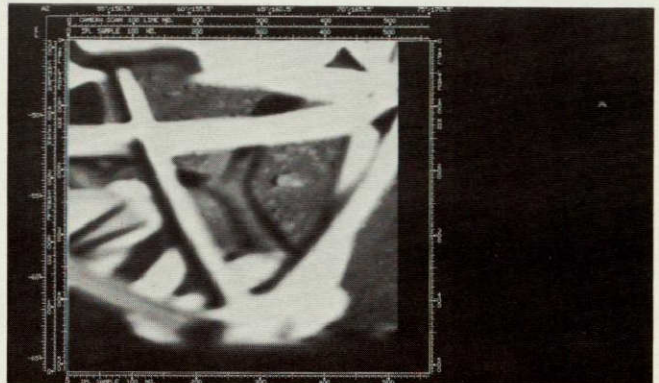
22B101/042 BLU/T



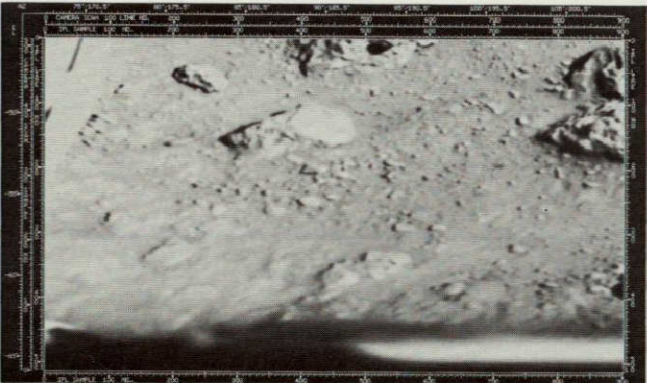
22B101/042 GRN/T



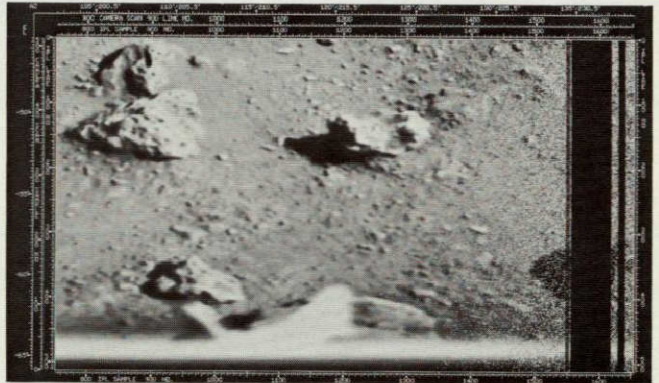
22B101/042 RED/T



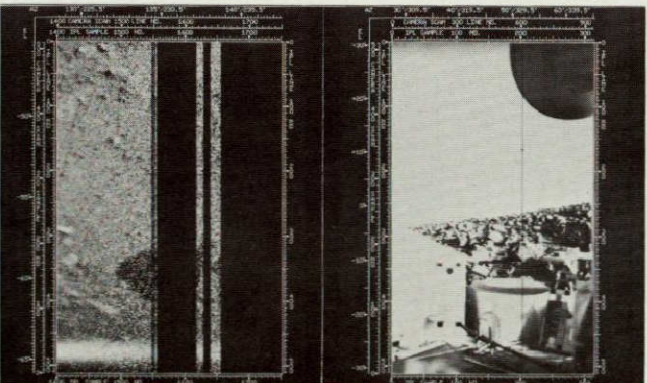
22B102/043 BLU



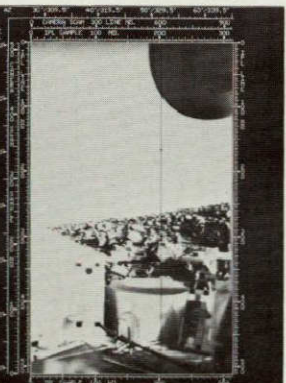
22B103/043 BLU 1/3



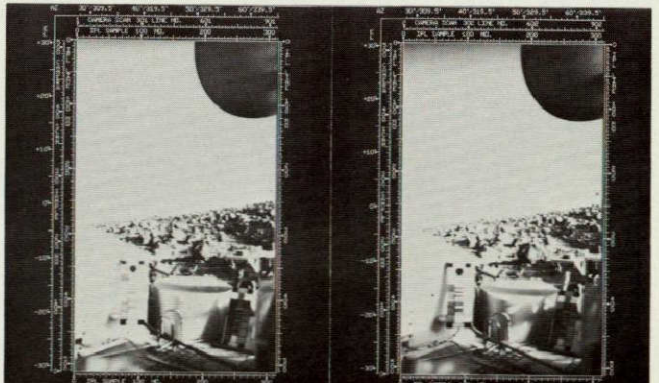
22B103/043 BLU 2/3



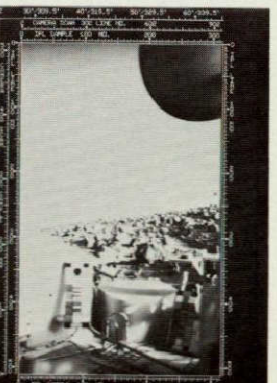
22B103/043 BLU 3/3



21B104/043 BLU/T



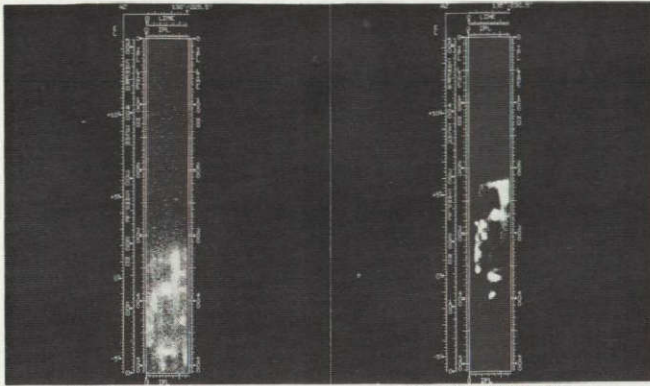
21B104/043 GRN/T



21B104/043 RED/T

22B105/044-22B109/044

VL-2



22B105/044 SUN

22B106/044 SUN



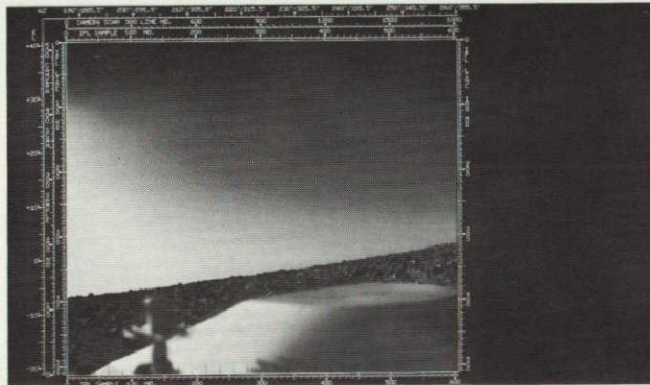
22B107/044 BLU/T



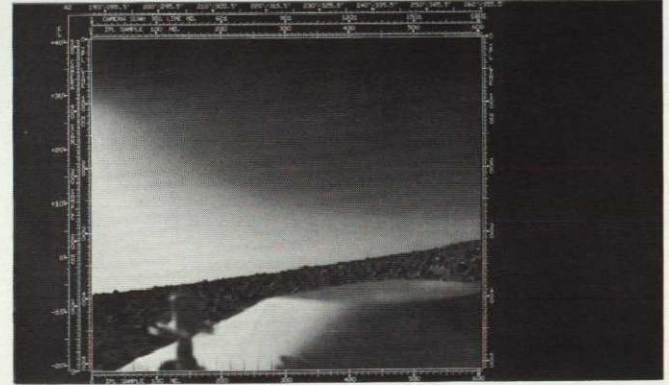
22B107/044 GRN/T



22B107/044 RED/T



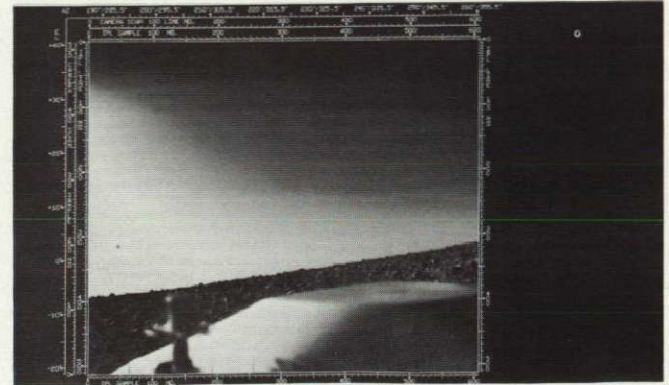
22B108/044 IR3/T



22B108/044 IR2/T



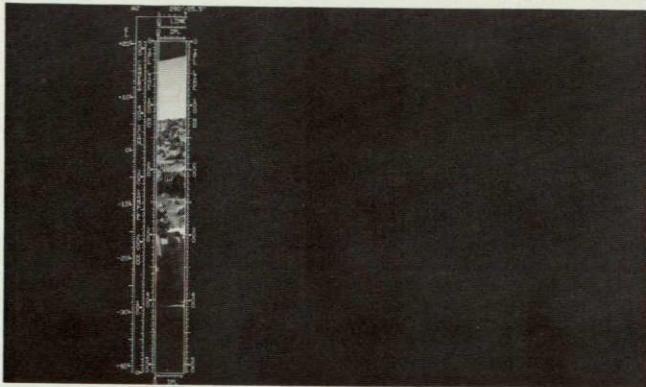
22B108/044 IR1/T



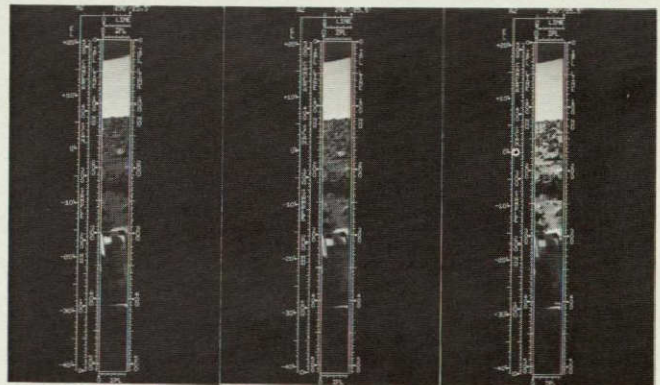
22B109/044 SURV

VL-2

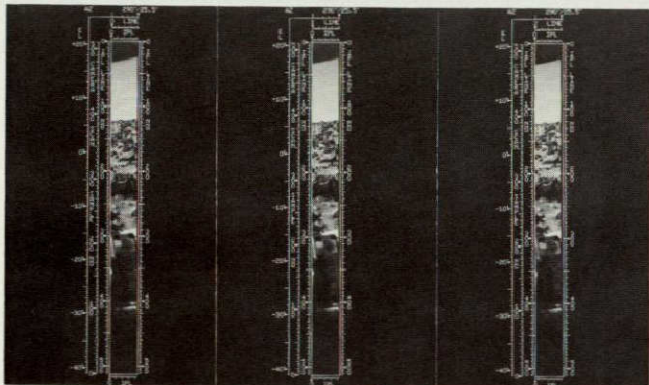
22B111/044-22B117/045



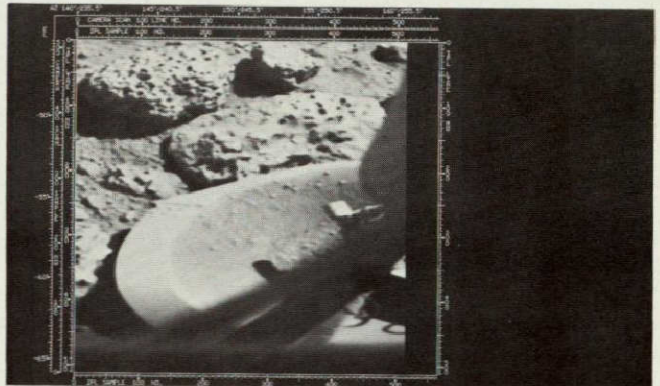
22B111/044 SURV



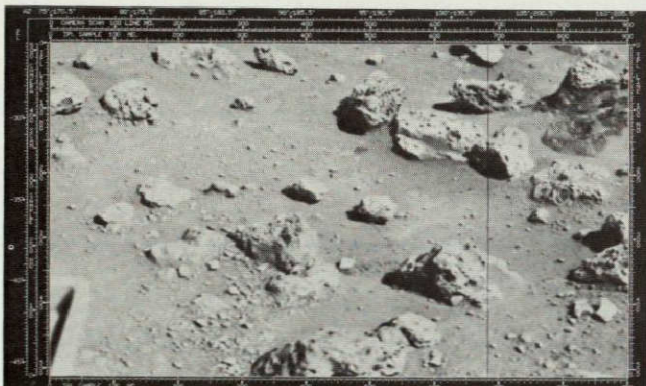
22B112/044 BLU/T 22B112/044 GRN/T 22B112/044 RED/T



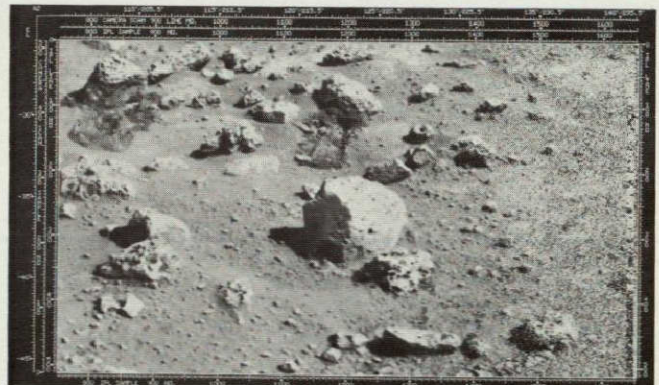
22B113/044 IR3/T 22B113/044 IR2/T 22B113/044 IR1/T



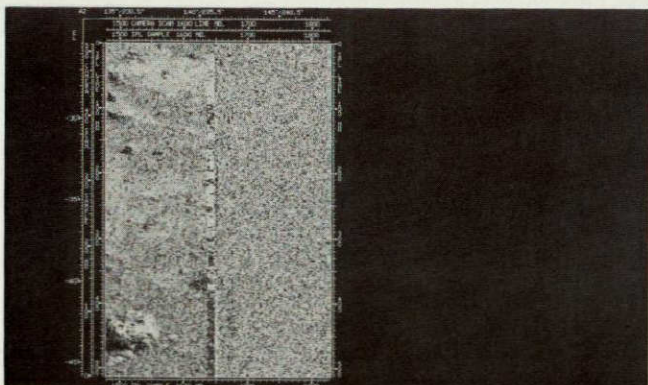
22B114/044 RED



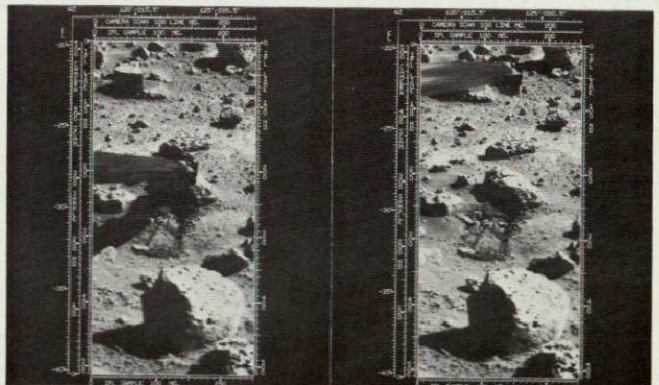
22B115/044 RED 1/3



22B115/044 RED 2/3



22B115/044 RED 3/3

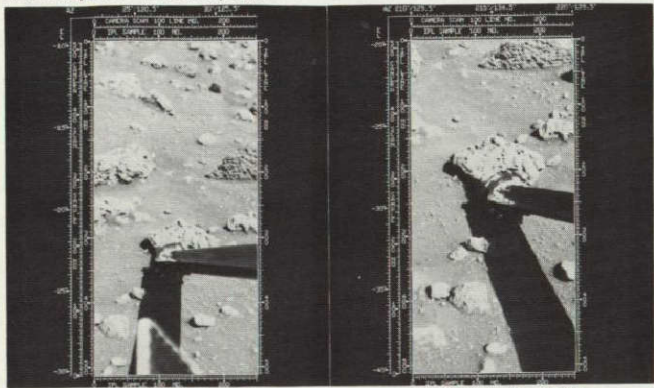


22B116/045 BB3

22B117/045 BB3

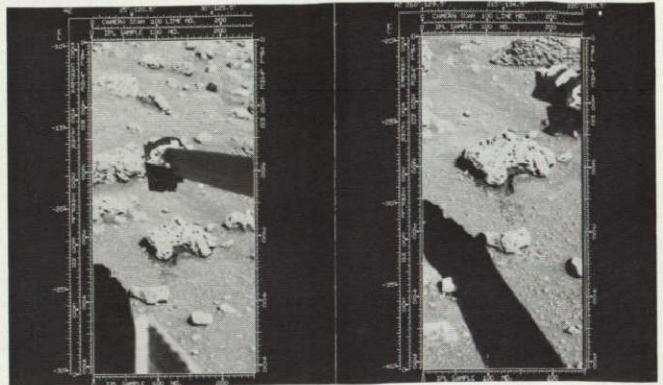
22B118/045-21B124/045

VL-2



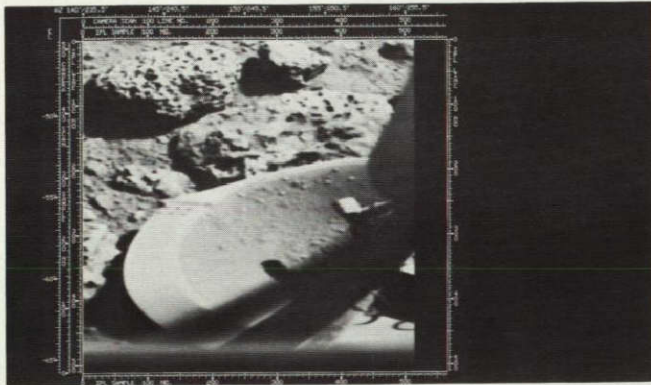
22B118/045 BB2

21B119/045 BB2

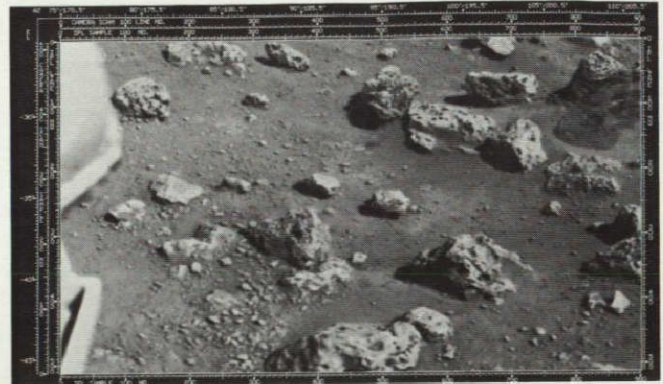


22B120/045 BB2

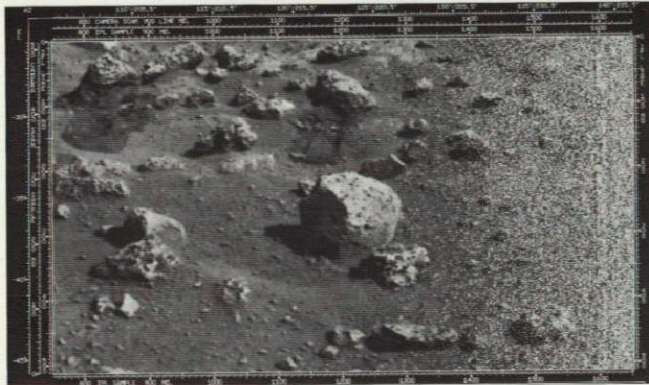
21B121/045 BB2



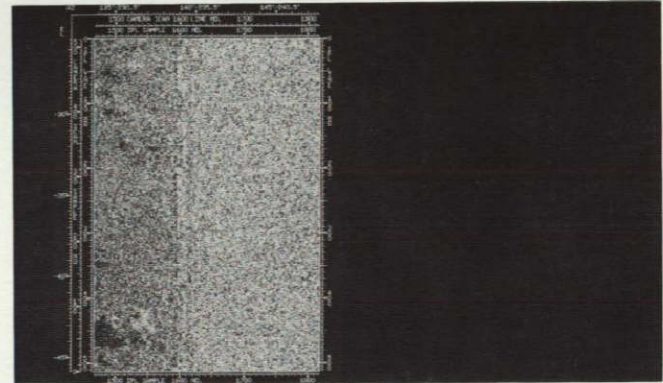
22B122/045 GRN



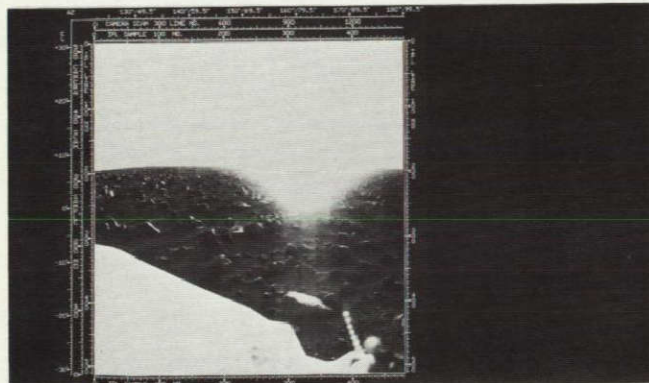
22B123/045 GRN 1/3



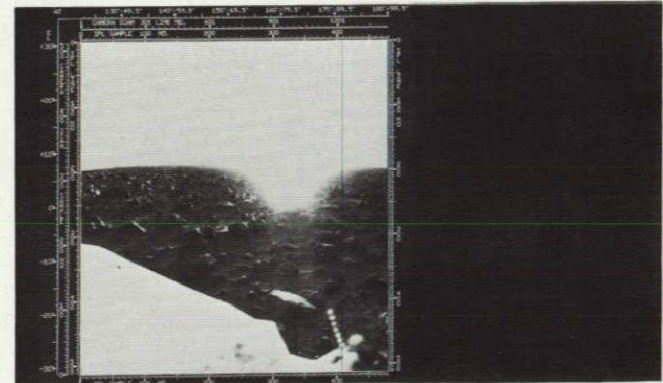
22B123/045 GRN 2/3



22B123/045 GRN 3/3



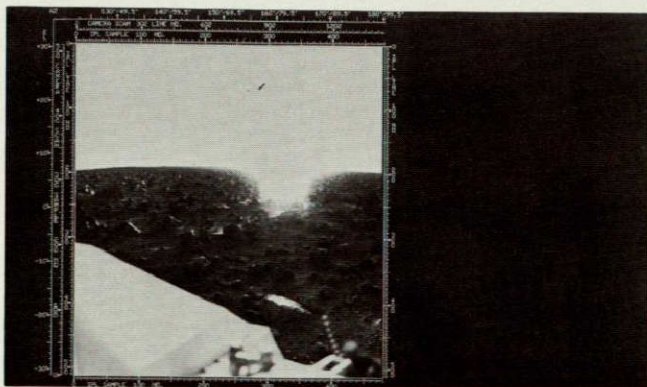
21B124/045 BLU/T



21B124/045 GRN/T

VL-2

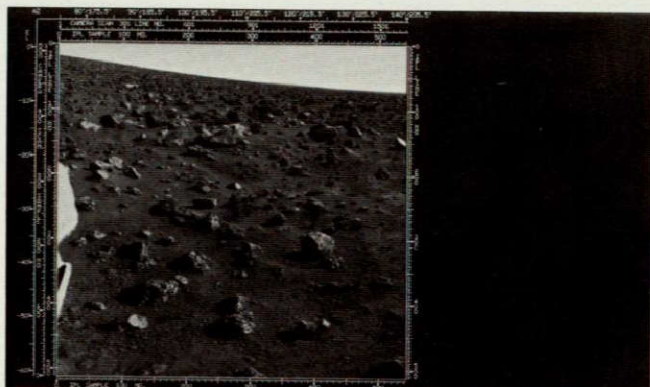
21B124/045-22B129/046



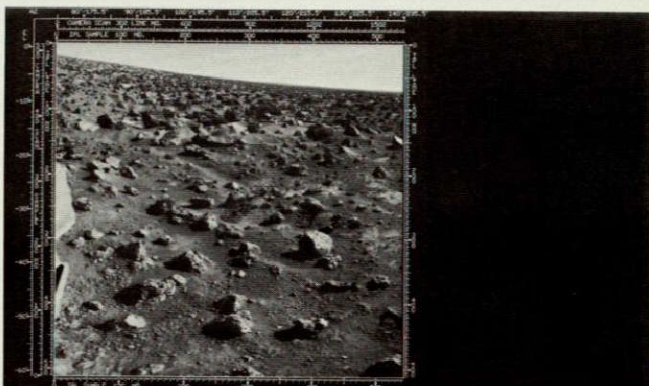
21B124/045 RED/T



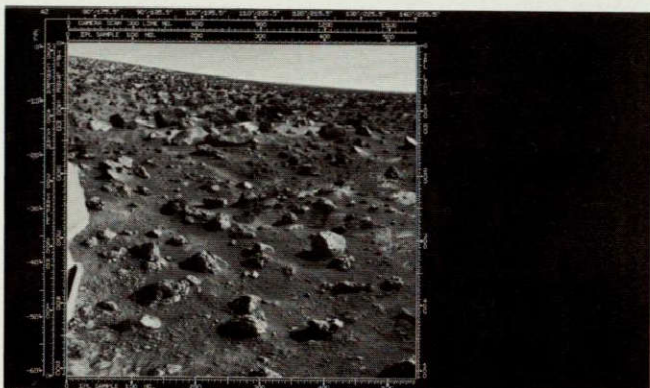
22B126/046 BLU/T



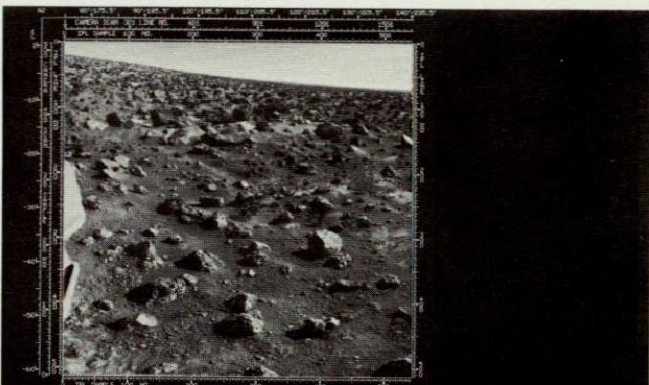
22B126/046 GRN/T



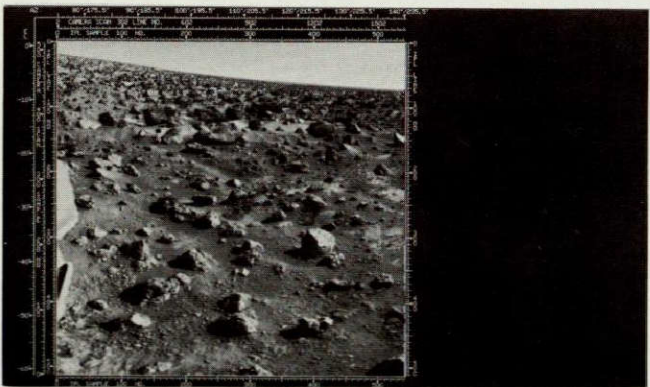
22B126/046 RED/T



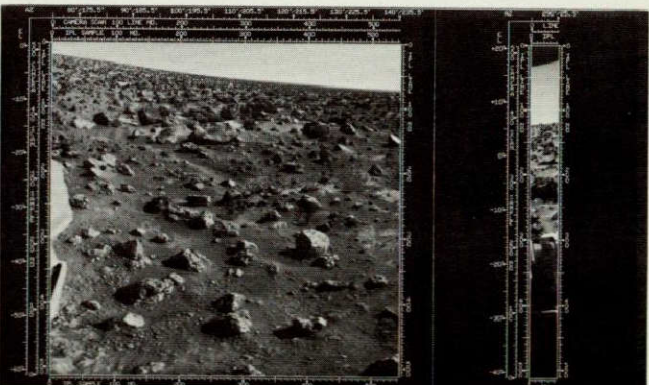
22B127/046 IR3/T



22B127/046 IR2/T



22B127/046 IR1/T

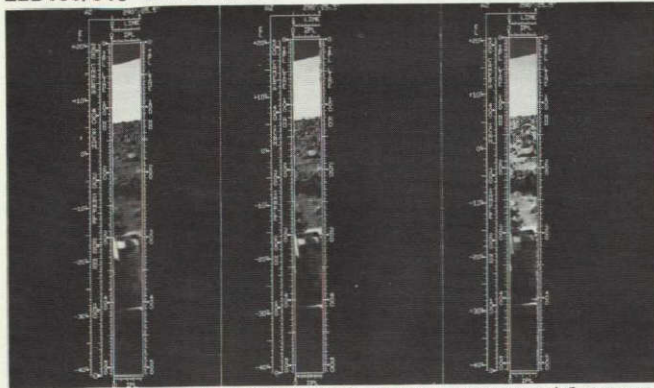


22B128/046 SURV

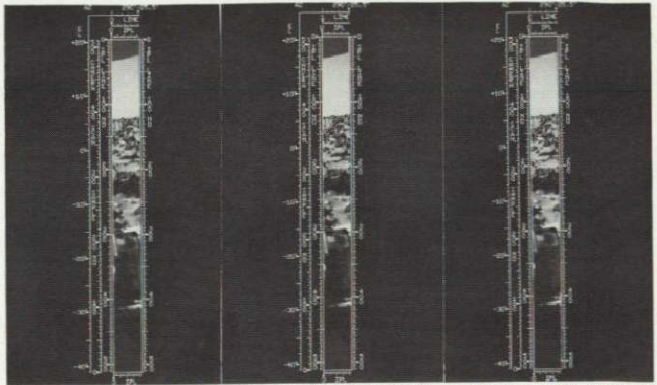
22B129/046 SURV

22B130/046-22B135/046

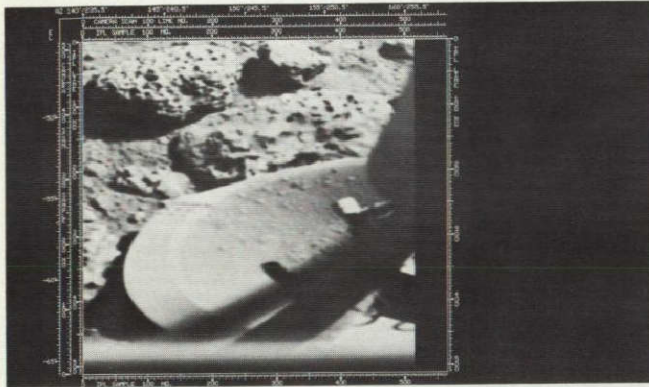
VL-2



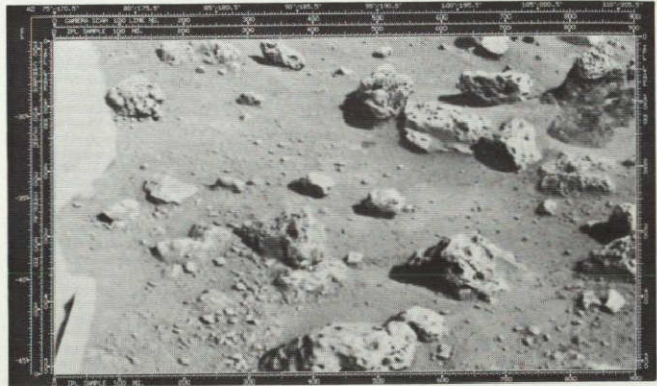
22B130/046 BLU/T 22B130/046 GRN/T 22B130/046 RED/T



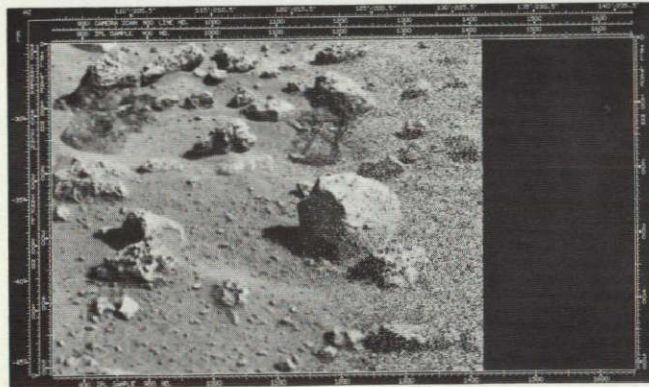
22B131/046 IR3/T 22B131/046 IR2/T 22B131/046 IR1/T



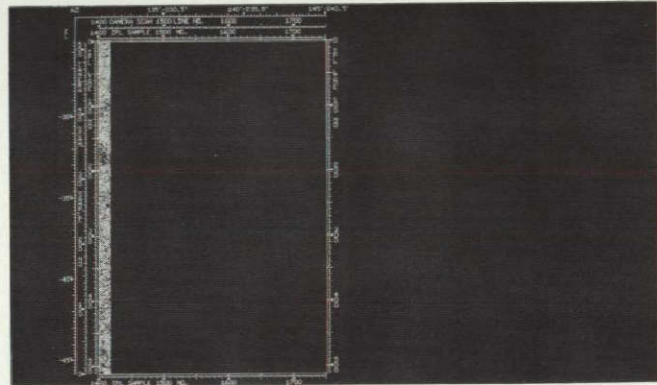
22B132/046 BLU



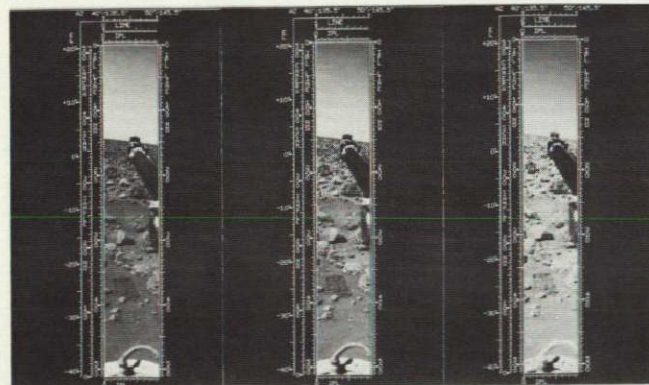
22B133/046 BLU 1/3



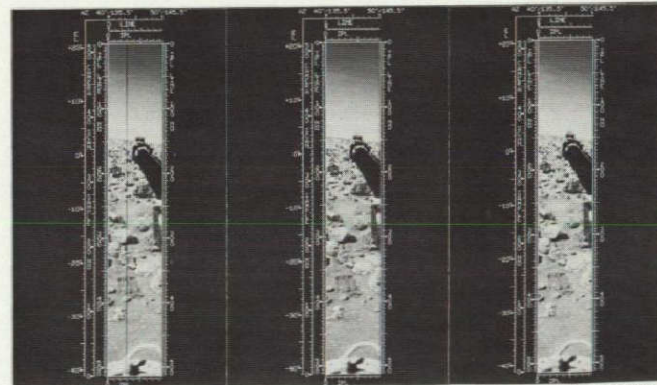
22B133/046 BLU 2/3



22B133/046 BLU 3/3



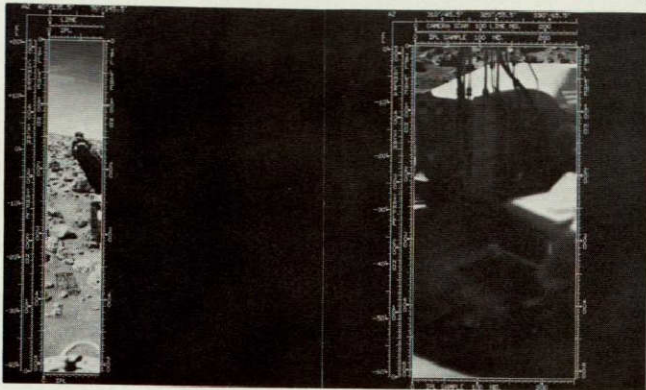
22B134/046 BLU/T 22B134/046 GRN/T 22B134/046 RED/T



22B135/046 IR3/T 22B135/046 IR2/T 22B135/046 IR1/T

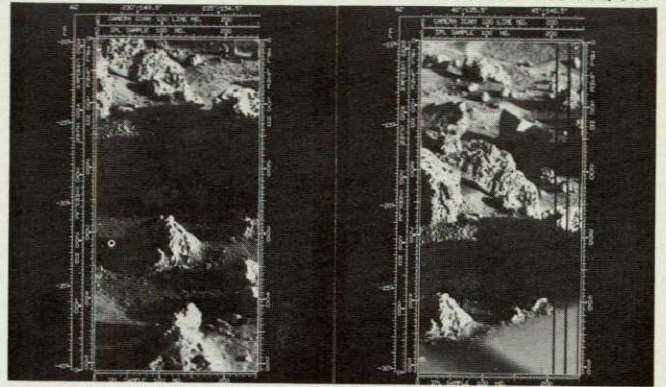
VL-2

22B136/046-22B142/047



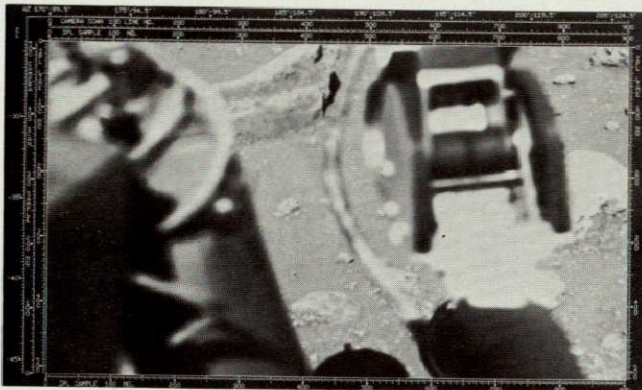
22B136/046 SURV

22B137/046 SURV

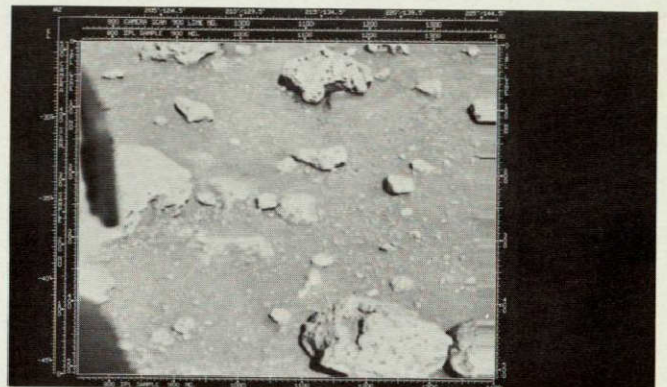


21B138/047 BB2

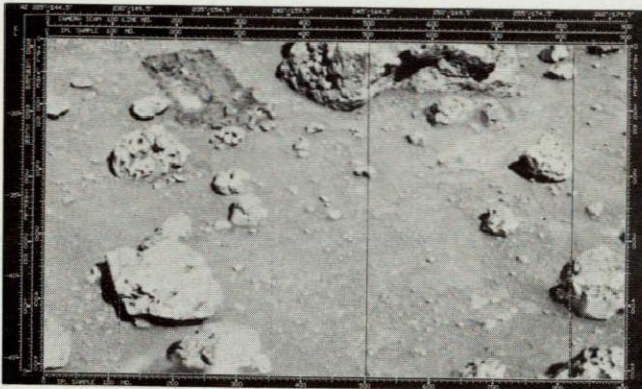
22B139/047 BB2



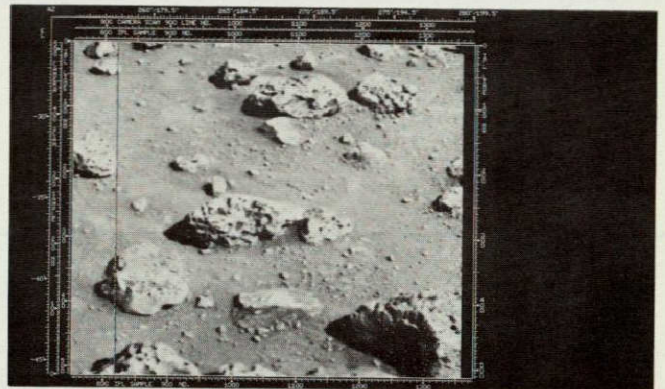
21B140/047 RED 1/2



21B140/047 RED 2/2



21B141/047 RED 1/2



21B141/047 RED 2/2



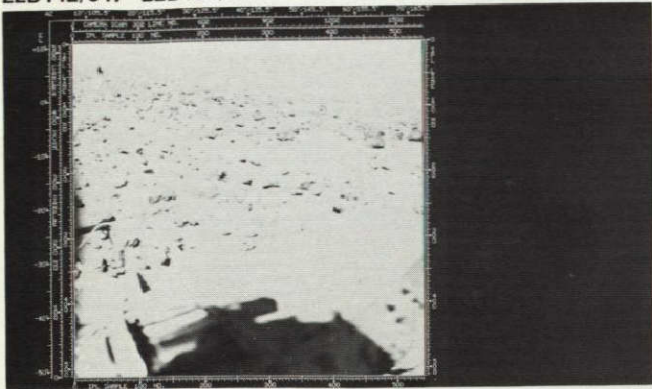
22B142/047 BLU/T



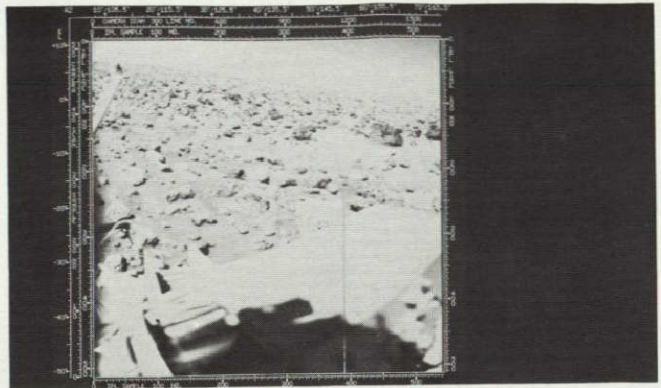
22B142/047 GRN/T

22B142/047-22B151/048

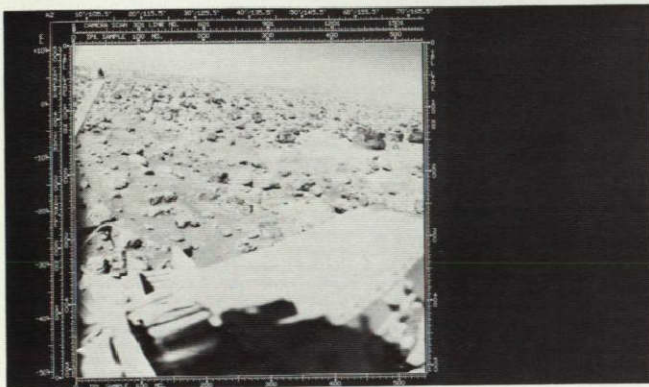
VL-2



22B142/047 RED/T



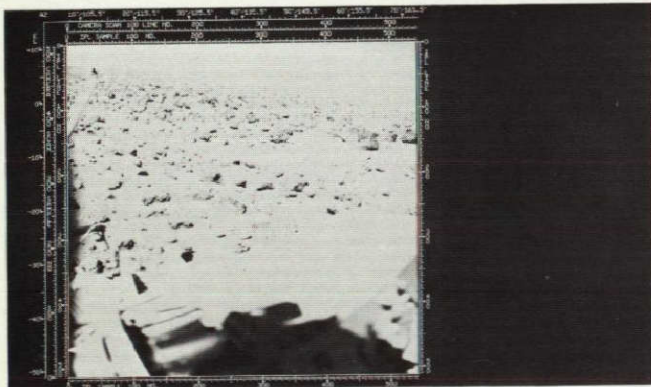
22B143/047 IR3/T



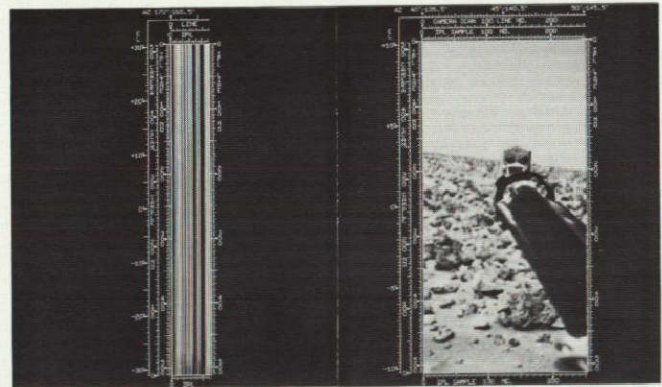
22B143/047 IR2/T



22B143/047 IR1/T

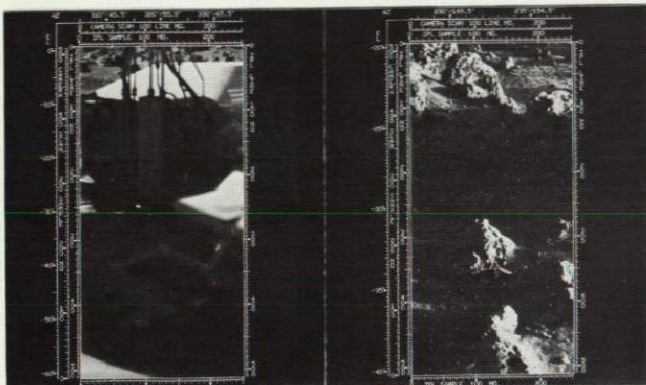


22B144/047 SURV



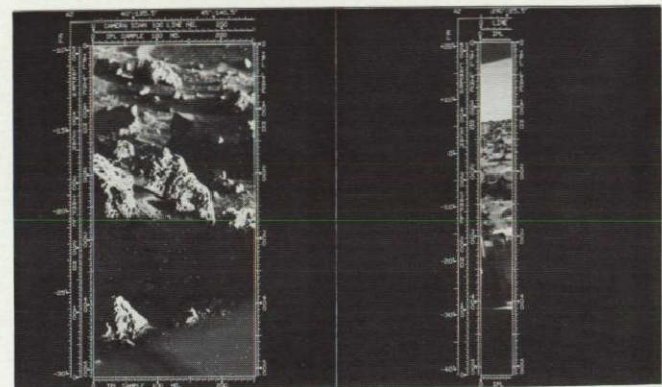
22B145/047 CAL

22B146/047 BB2



22B147/047 SURV

21B148/048 BB2

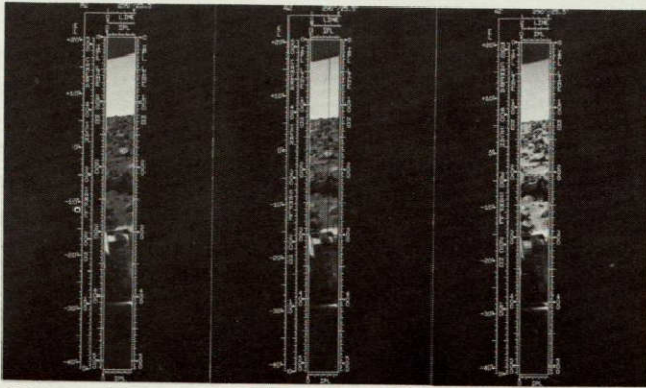


22B149/048 BB2

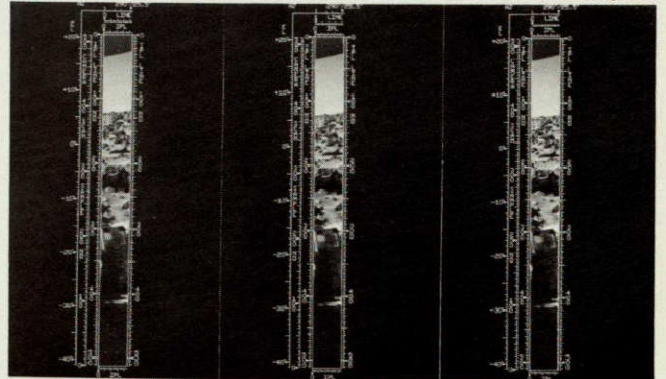
22B151/048 SURV

VL-2

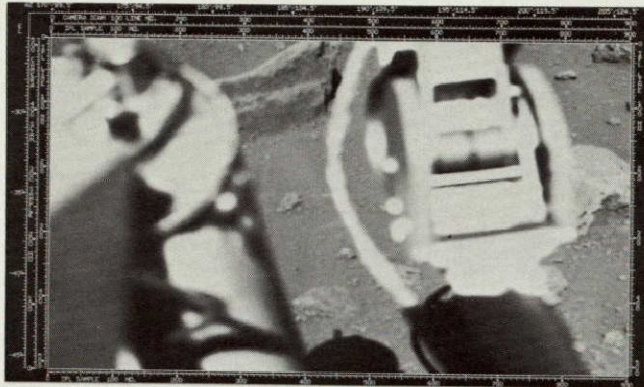
22B152/048-22B157/048



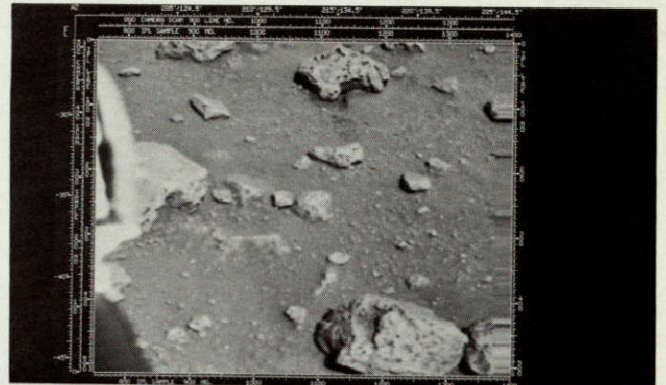
22B152/048 BLU/T 22B152/048 GRN/T 22B152/048 RED/T



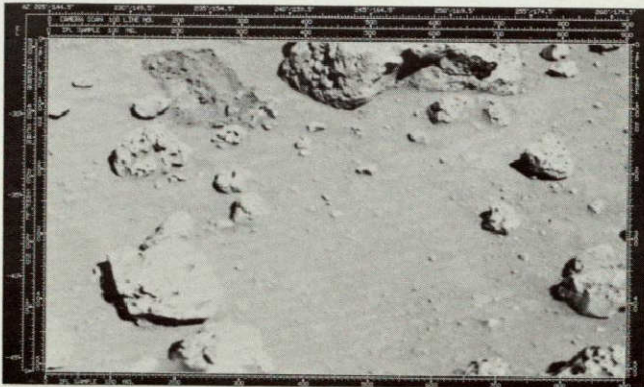
22B153/048 IR3/T 22B153/048 IR2/T 22B153/048 IR1/T



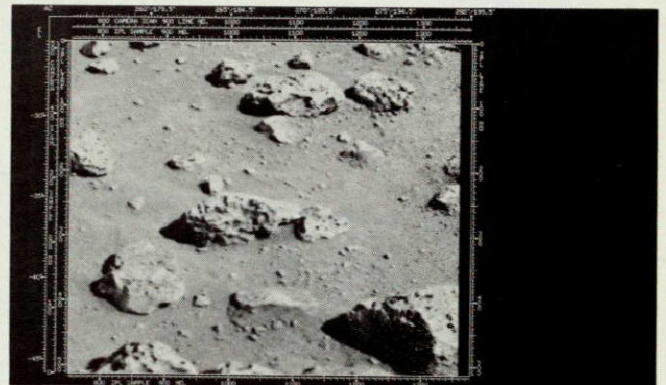
21B154/048 BLU 1/2



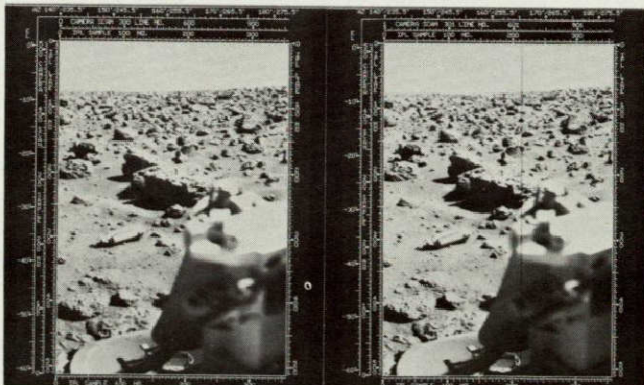
21B154/048 BLU 2/2



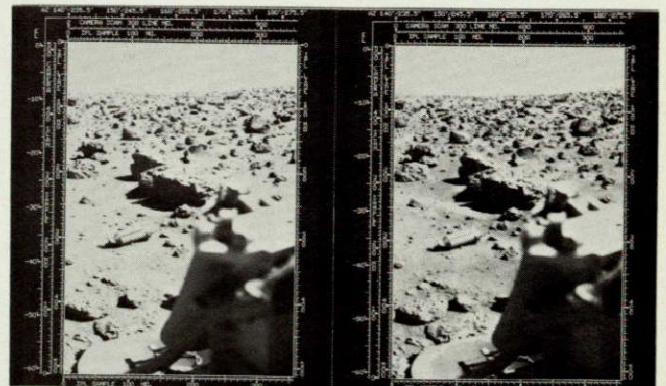
21B155/048 BLU 1/2



21B155/048 BLU 2/2



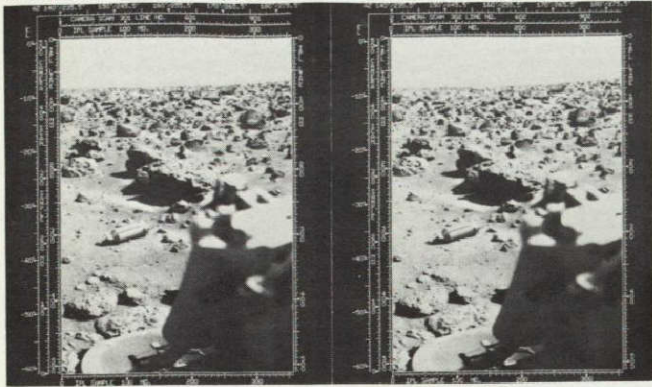
22B156/048 BLU/T 22B156/048 GRN/T



22B156/048 RED/T 22B157/048 IR3/T

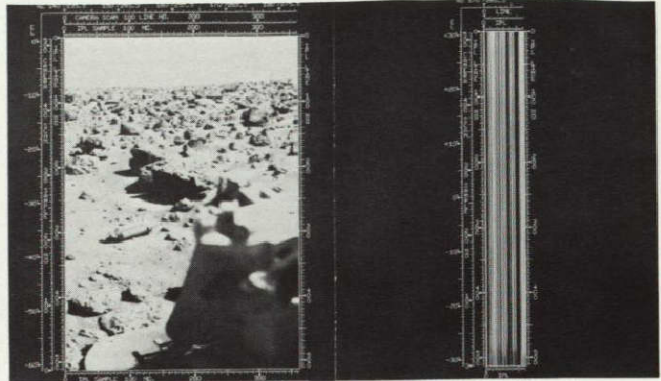
22B157/048-22B171/048

VL-2



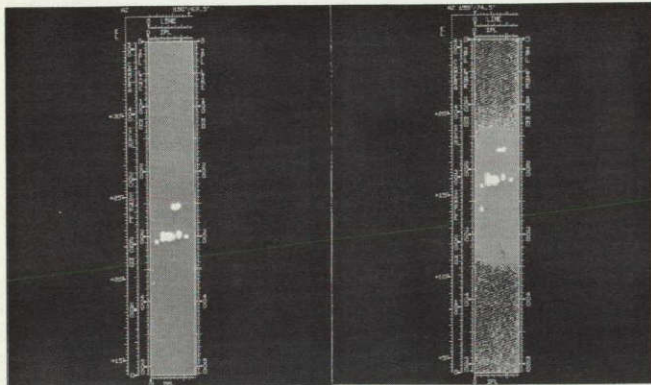
22B157/048 IR2/T

22B157/048 IR1/T



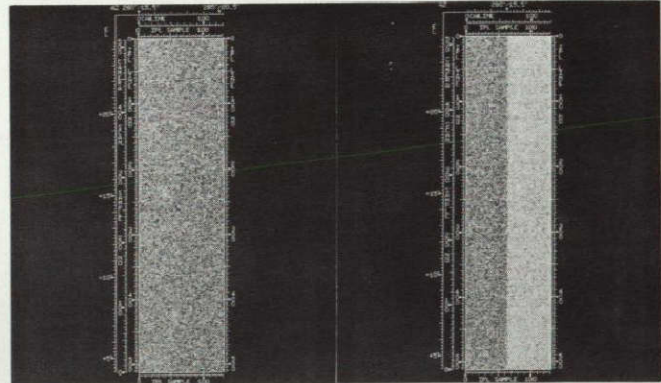
22B158/048 SURV

22B159/048 CAL



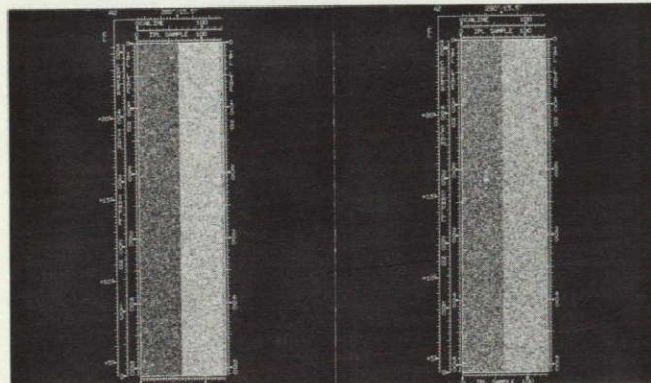
21B160/048 SUN

21B161/048 SUN



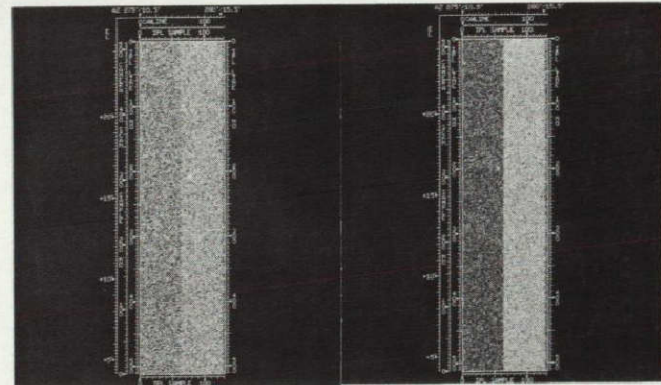
22B162/048 BLU

22B163/048 RED



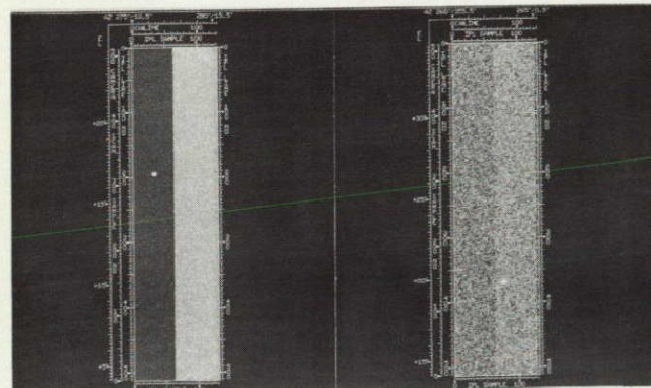
22B164/048 IR2

22B165/048 GRN



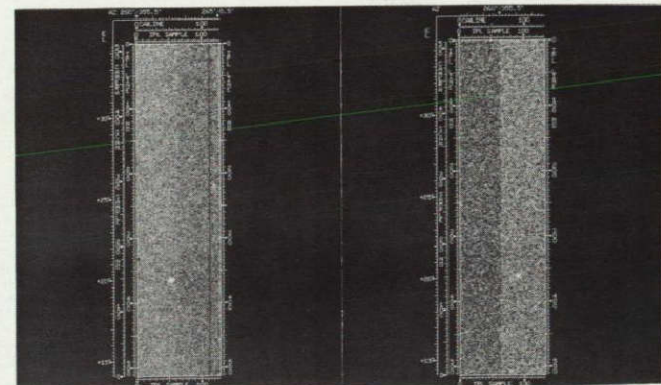
22B166/048 IR1

22B167/048 IR3



22B168/048 SURV

22B169/048 BLU

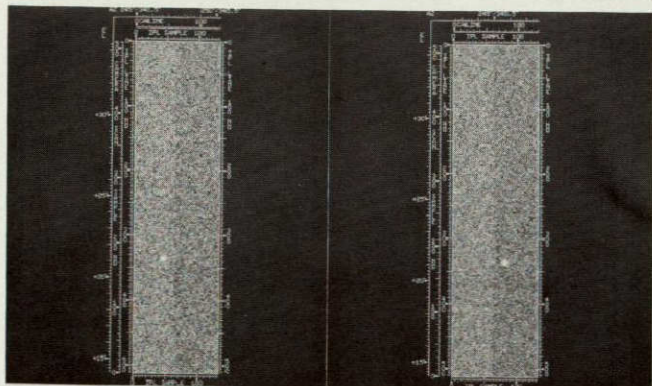


22B170/048 RED

22B171/048 IR2

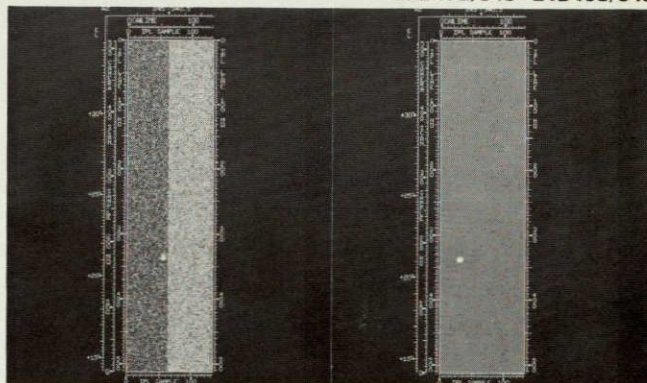
VL-2

22B172/048-21B183/049



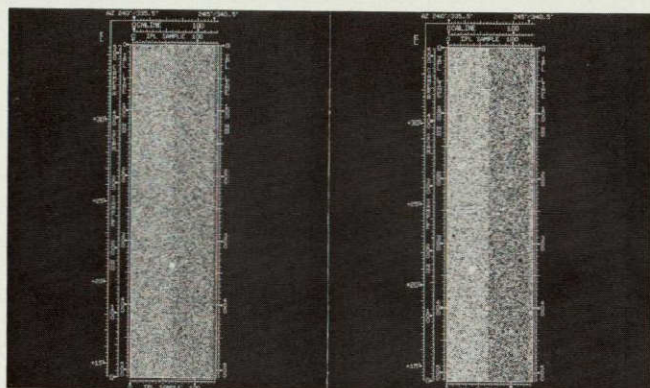
22B172/048 GRN

22B173/048 IR1



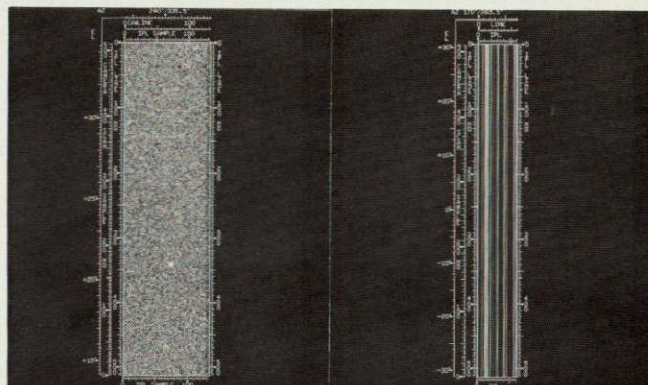
22B174/048 IR3

22B175/048 SURV



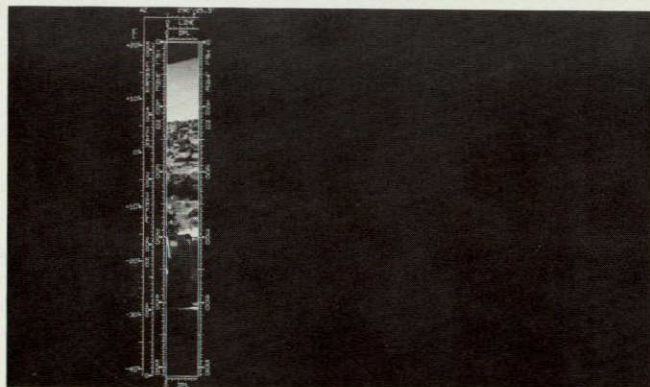
22B176/048 BLU

22B177/048 RED

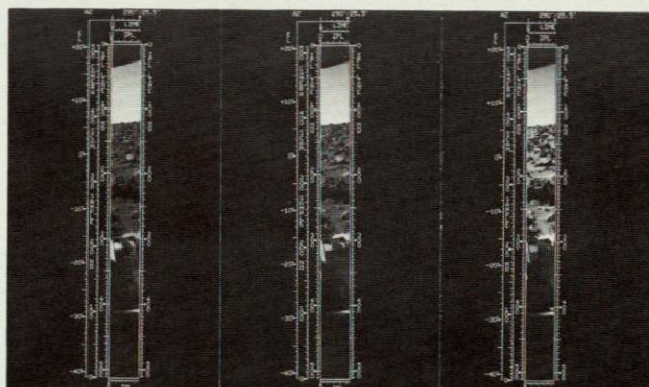


22B178/048 IR2

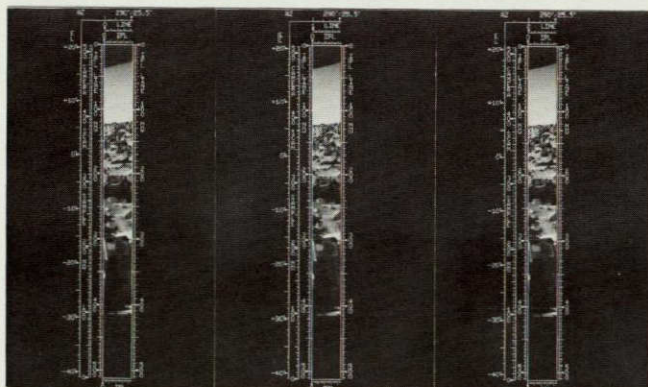
22B179/048 CAL



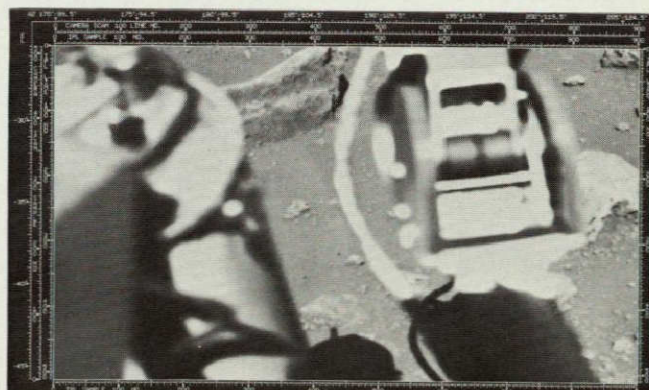
22B180/049 SURV



22B181/049 BLU/T 22B181/049 GRN/T 22B181/049 RED/T



22B182/049 IR3/T 22B182/049 IR2/T 22B182/049 IR1/T



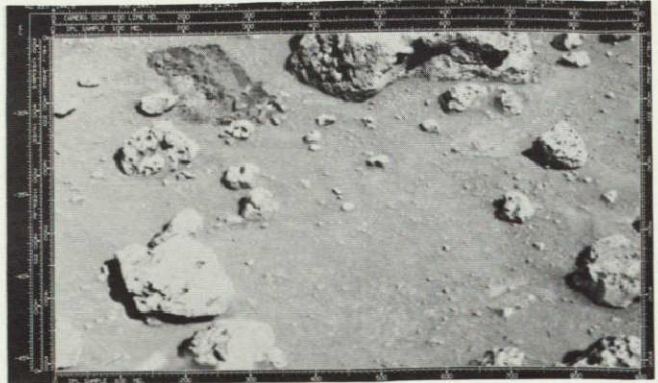
21B183/049 GRN 1/2

21B183/049-22B186/049

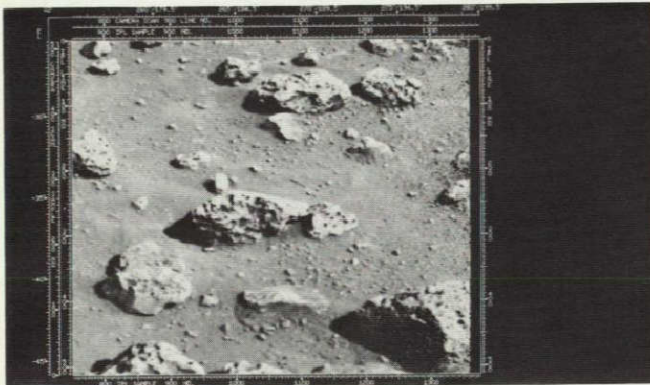
VL-2



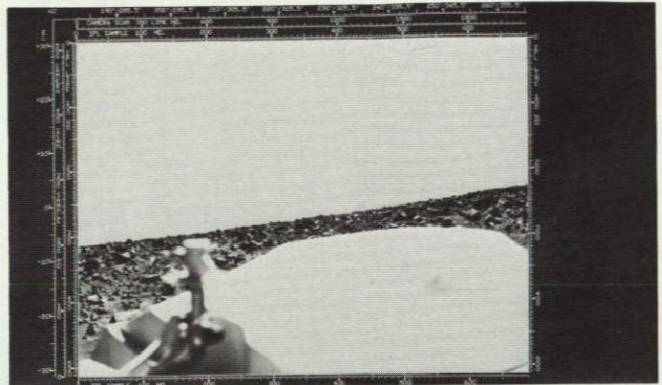
21B183/049 GRN 2/2



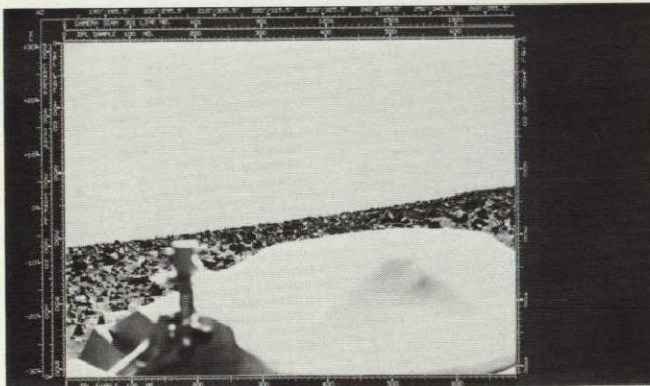
21B184/049 GRN 1/2



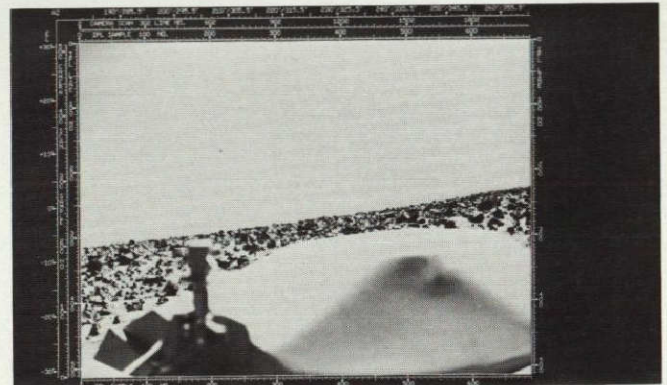
21B184/049 GRN 2/2



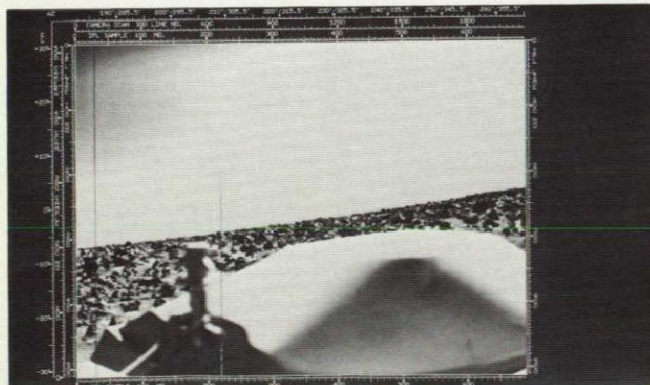
22B185/049 BLU/T



22B185/049 GRN/T



22B185/049 RED/T



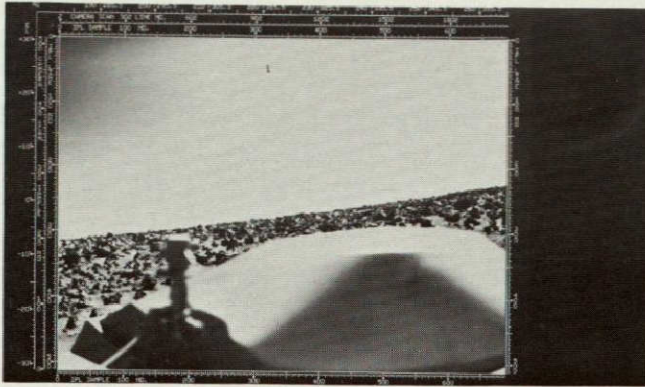
22B186/049 IR3/T



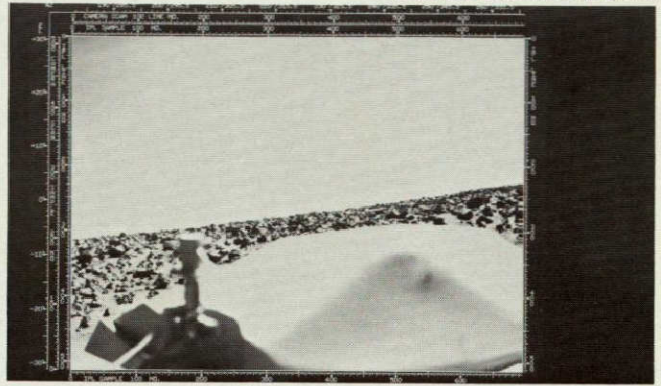
22B186/049 IR2/T

VL-2

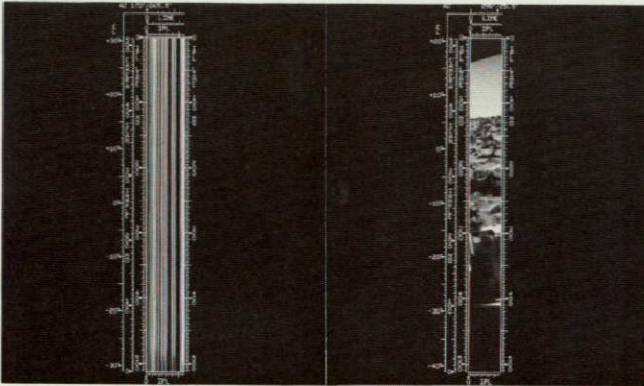
22B186/049-21B194/050



22B186/049 IR1/T

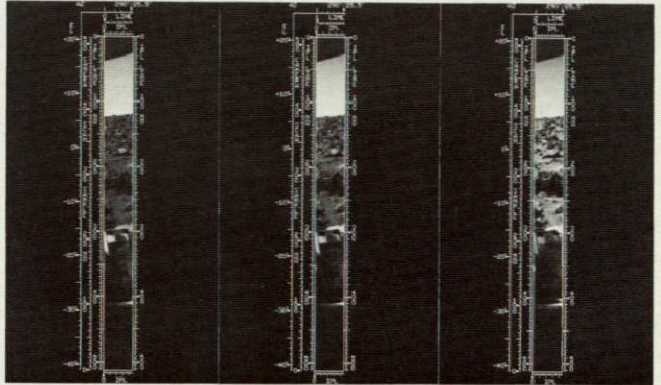


22B187/049 SURV

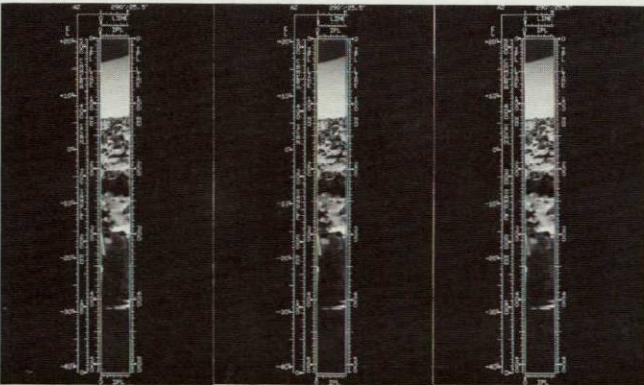


22B188/049 CAL

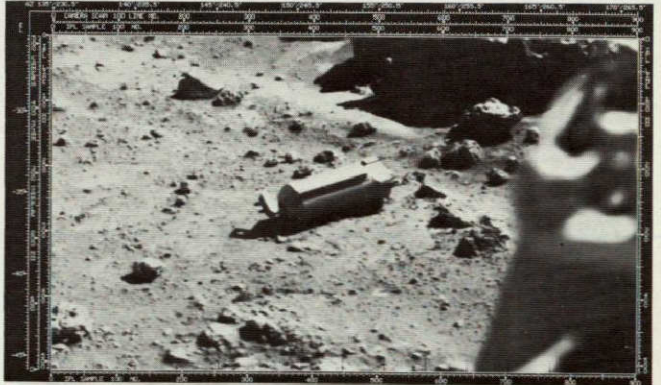
22B190/050 SURV



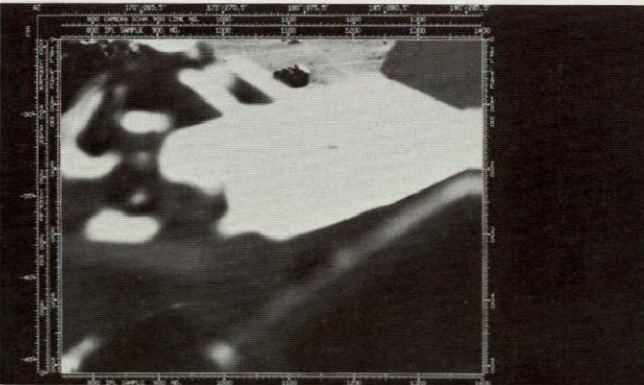
22B191/050 BLU/T 22B191/050 GRN/T 22B191/050 RED/T



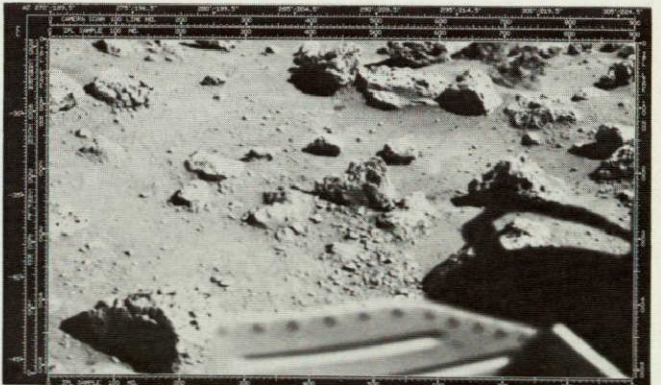
22B192/050 IR3/T 22B192/050 IR2/T 22B192/050 IR1/T



22B193/050 RED 1/2



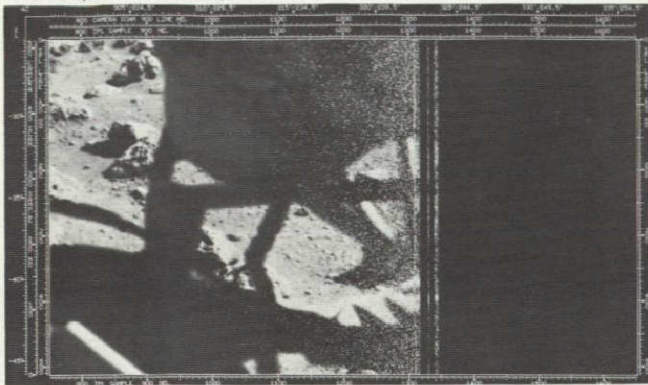
22B193/050 RED 2/2



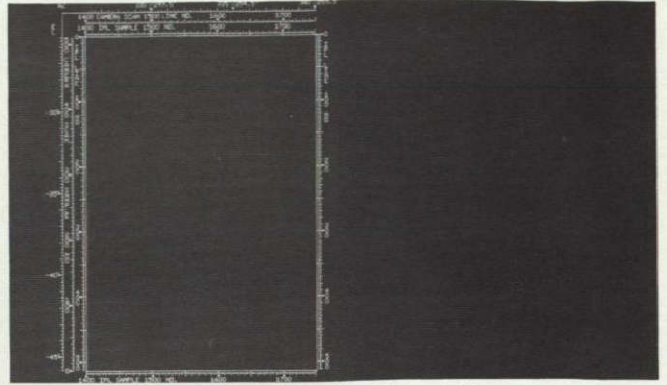
21B194/050 RED 1/3

21B194/050-21B201/051

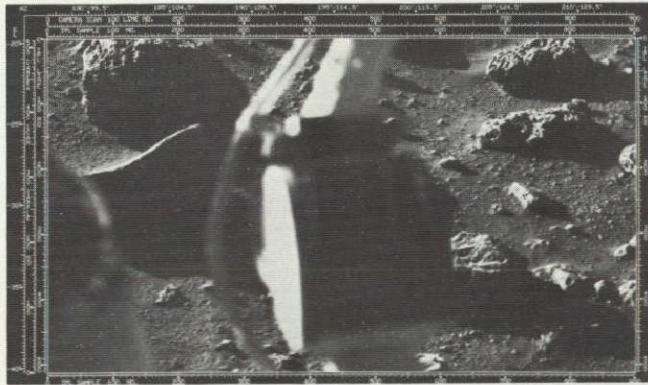
VL-2



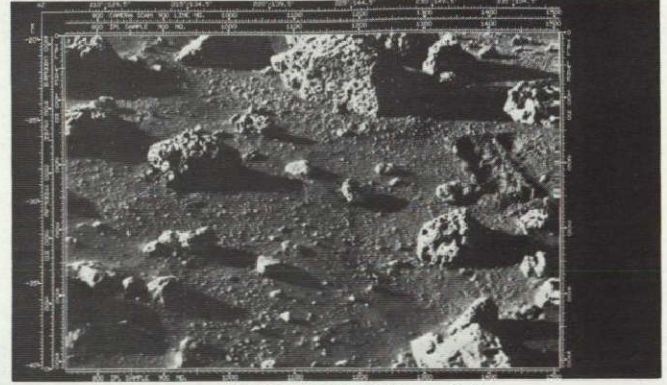
21B194/050 RED 2/3



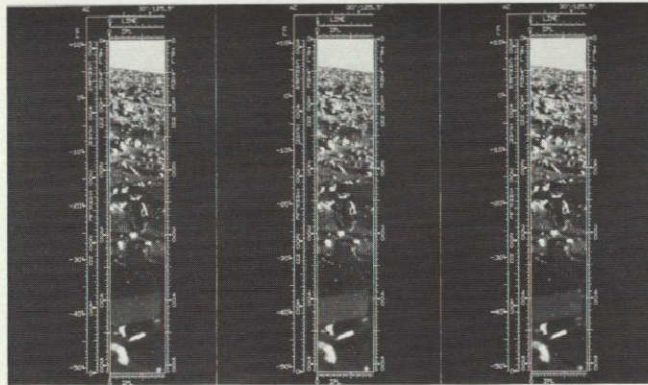
21B194/050 RED 3/3



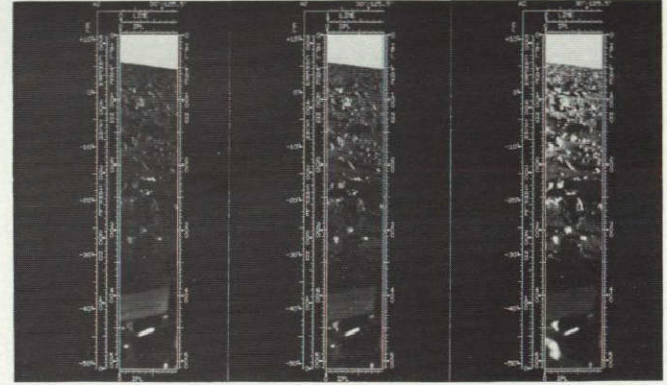
21B195/050 BB2 1/2



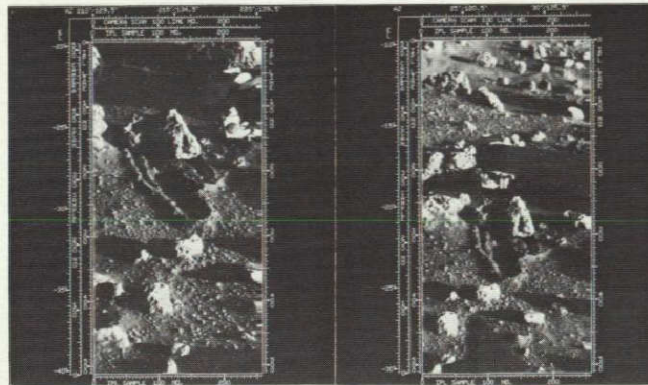
21B195/050 BB2 2/2



22B196/051 IR3/T 22B196/051 IR2/T 22B196/051 IR1/T

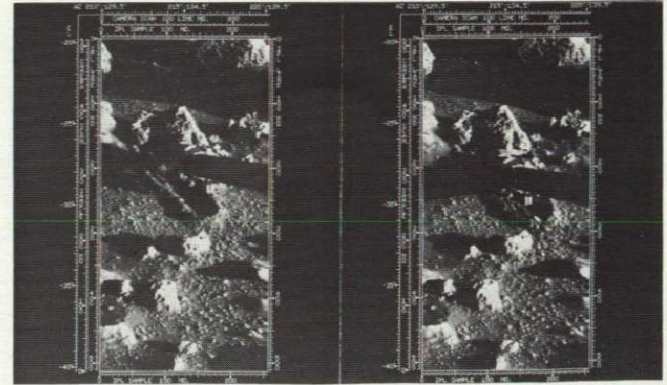


22B197/051 BLU/T 22B197/051 GRN/T 22B197/051 RED/T



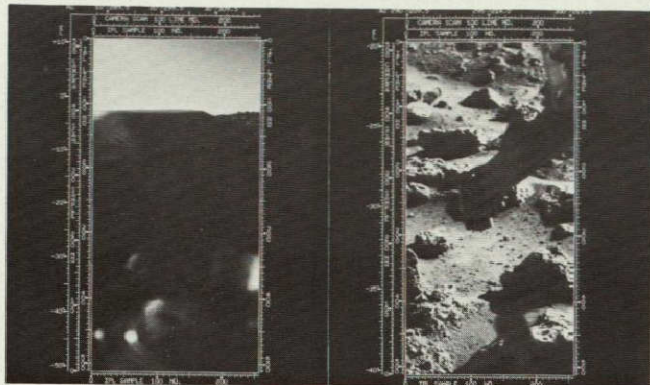
21B198/051 BB2

22B199/051 BB2



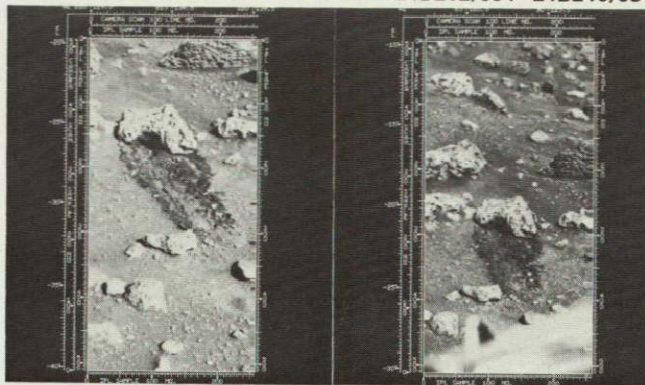
21B200/051 BB2

21B201/051 BB2



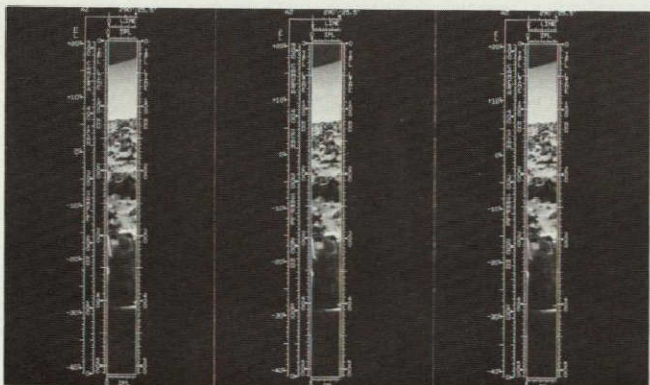
21B202/051 SURV

21B203/051 BB2

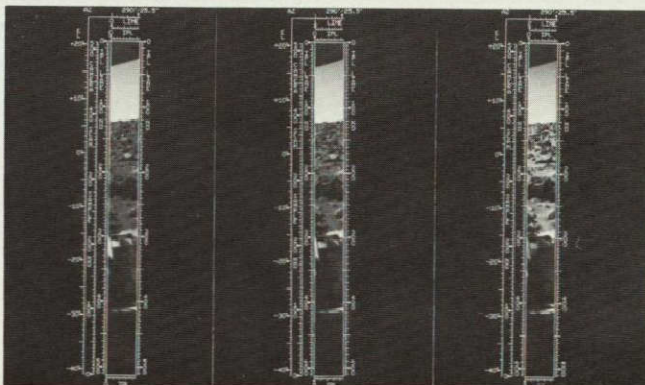


21B204/051 BB2

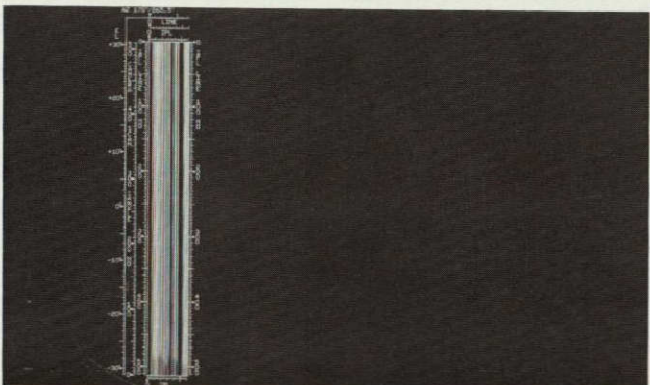
22B205/051 BB2



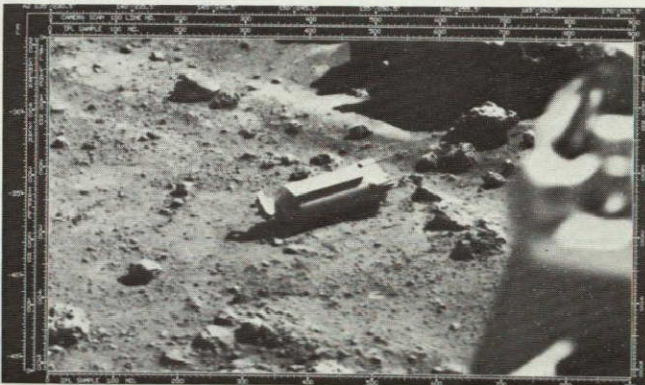
22B206/051 IR3/T 22B206/051 IR2/T 22B206/051 IR1/T



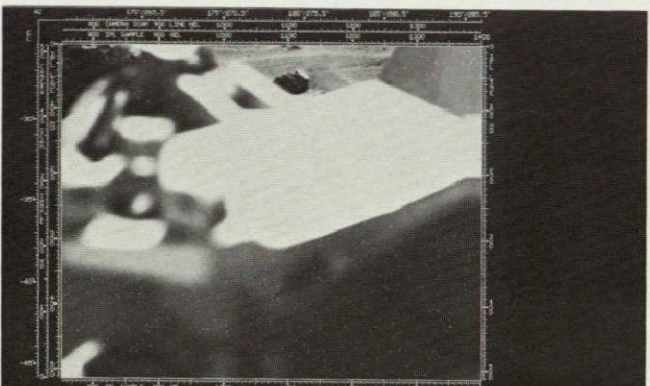
22B207/051 BLU/T 22B207/051 GRN/T 22B207/051 RED/T



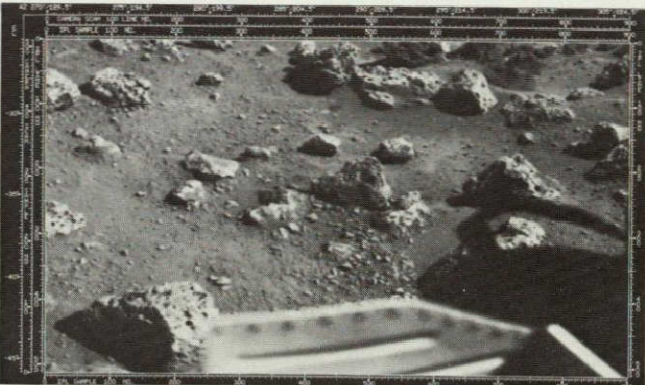
22B208/051 CAL



22B209/051 GRN 1/2



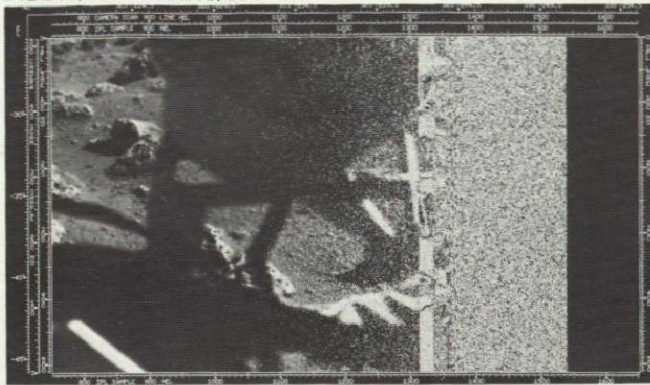
22B209/051 GRN 2/2



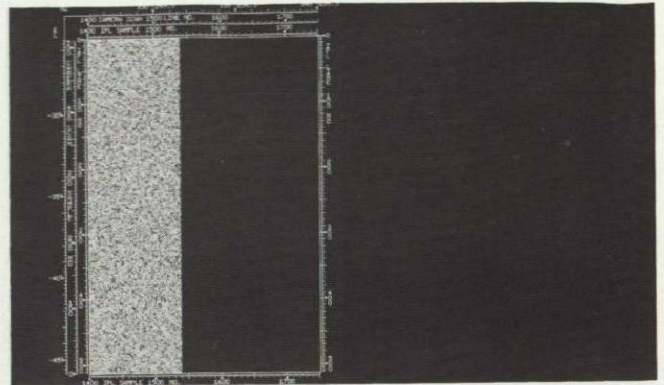
21B210/051 GRN 1/3

21B210/051-22B215/051

VL-2



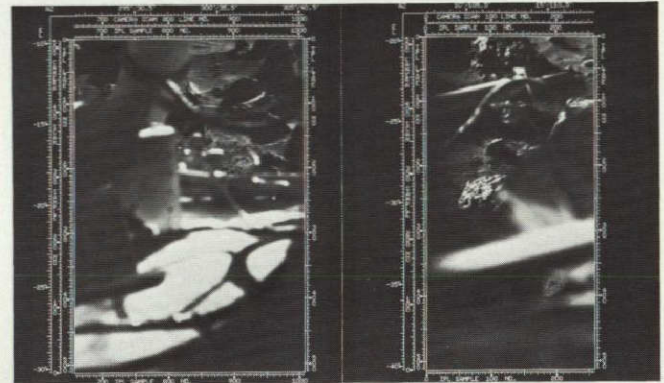
21B210/051 GRN 2/3



21B210/051 GRN 3/3



22B211/051 BB4 1/2



22B211/051 BB4 2/2

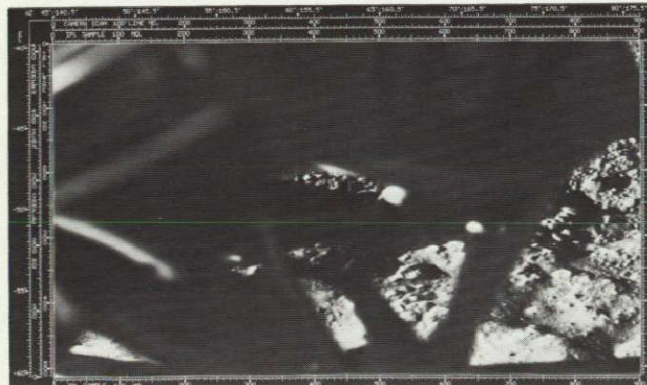
22B212/051 BB1



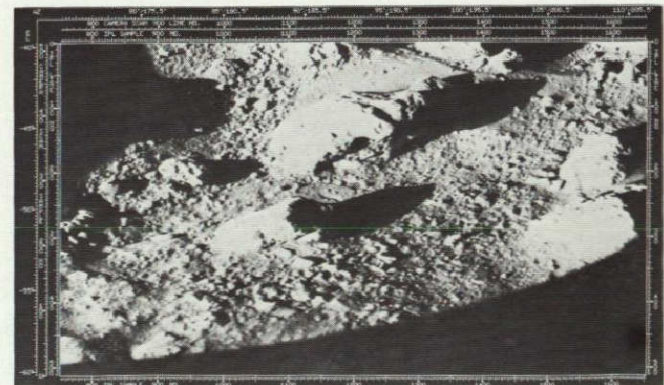
21B213/051 BB4



21B214/051 BB2



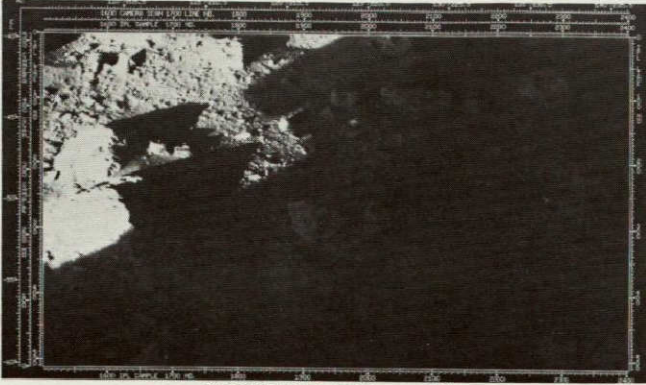
22B215/051 BB1 1/4



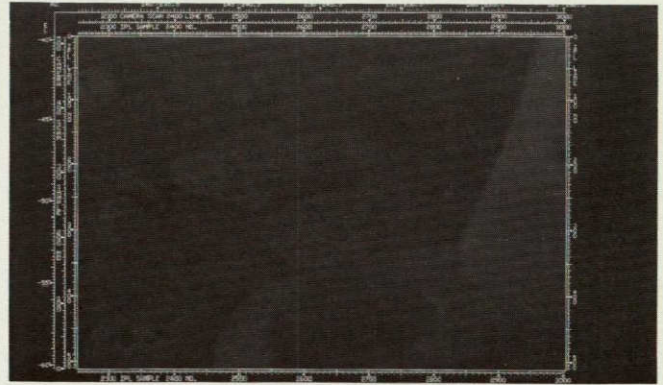
22B215/051 BB1 2/4

VL-2

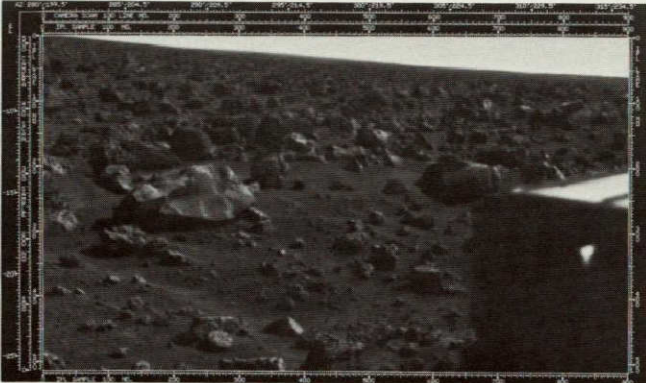
22B215/051-21B220/052



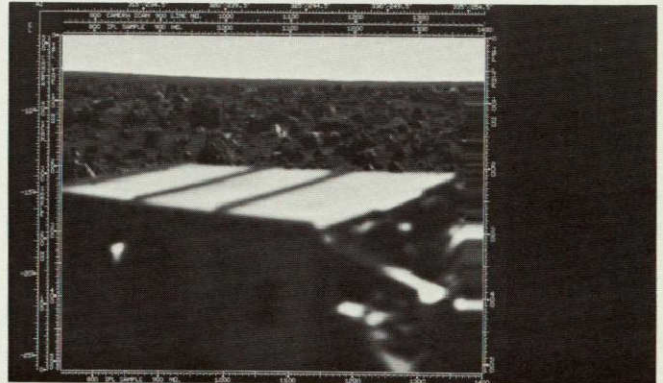
22B215/051 BB1 3/4



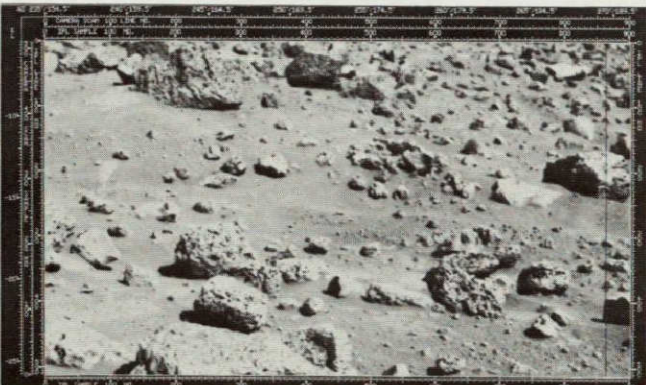
22B215/051 BB1 4/4



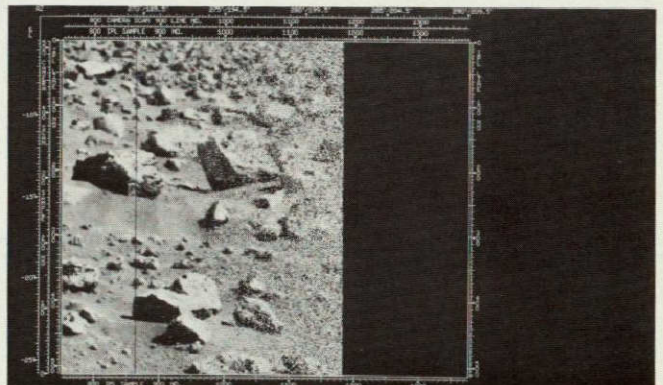
21B216/052 BLU 1/2



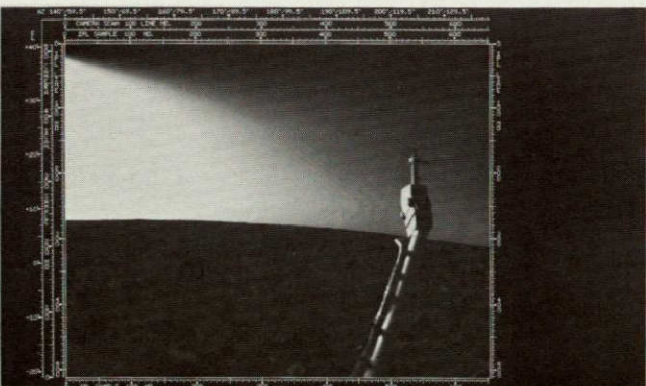
21B216/052 BLU 2/2



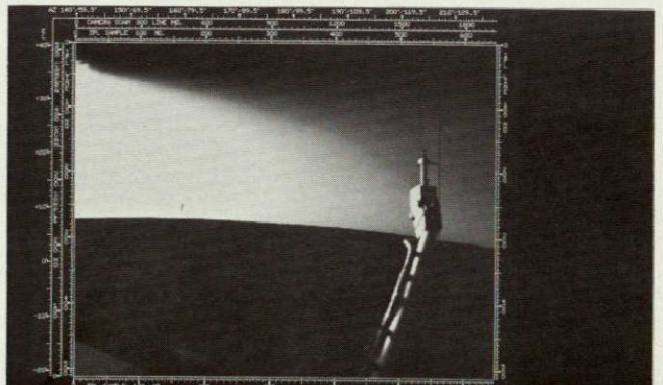
21B217/052 BLU 1/2



21B217/052 BLU 2/2



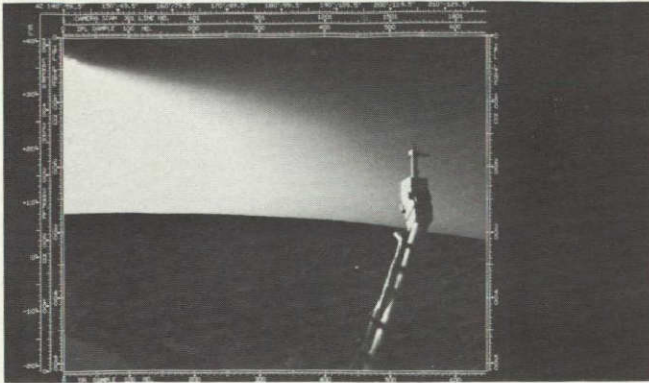
21B219/052 SURV



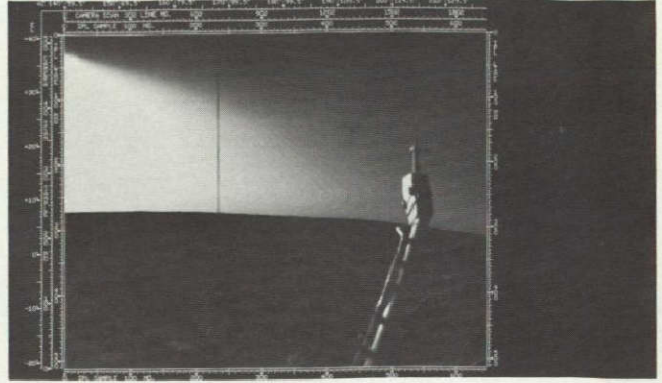
21B220/052 BLU/T

21B220/052-21B225/052

VL-2



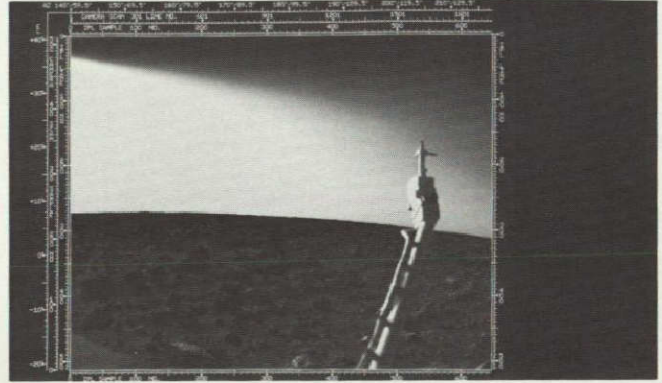
21B220/052 GRN/T



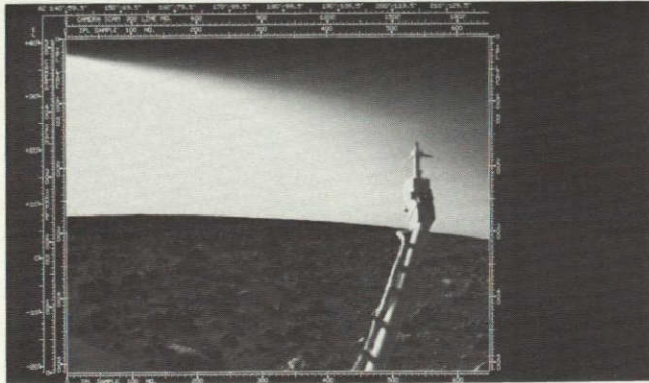
21B220/052 RED/T



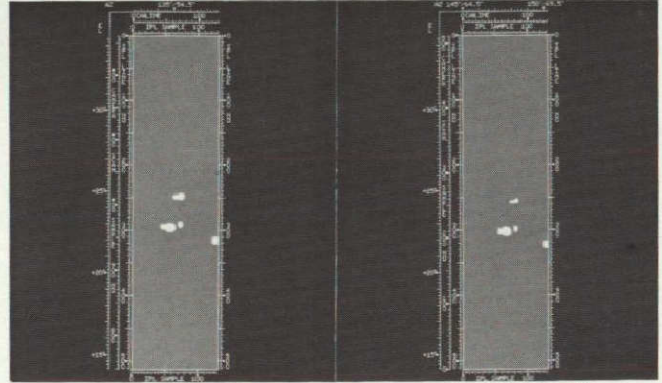
21B221/052 IR3/T



21B221/052 IR2/T

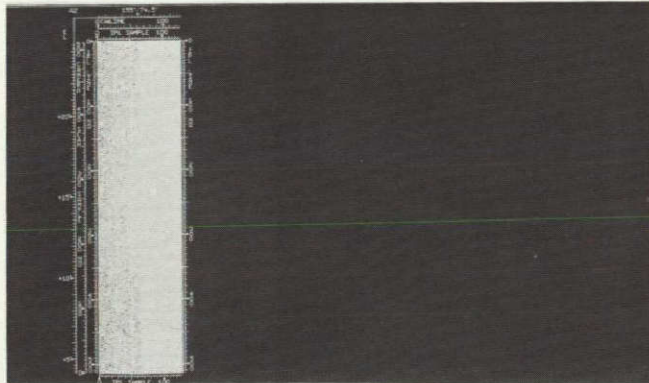


21B221/052 IR1/T

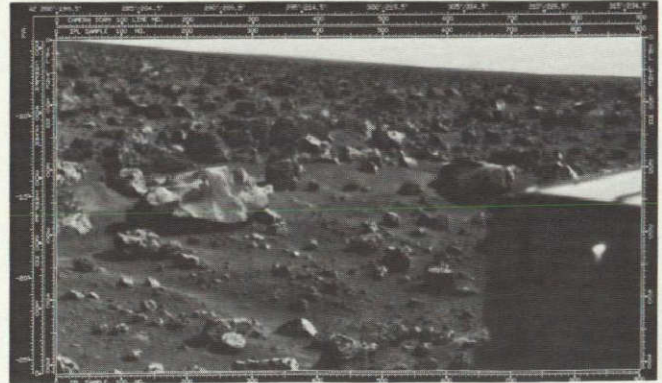


21B222/052 SUN

21B223/052 SUN



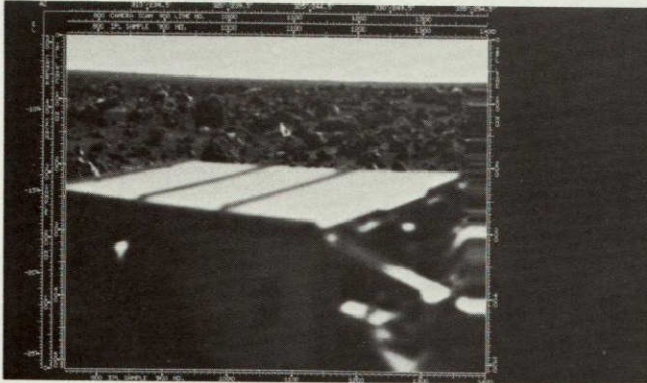
21B224/052 SUN



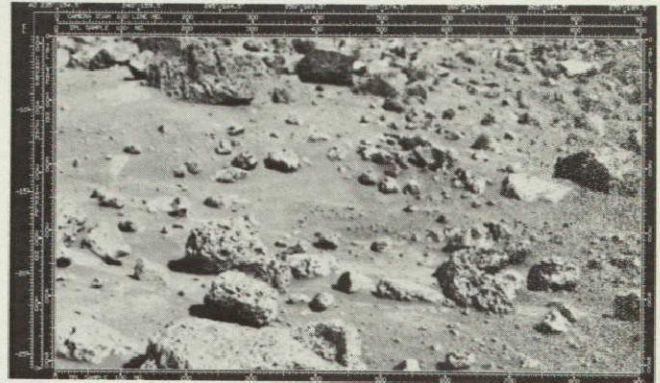
21B225/053 GRN 1/2

VL-2

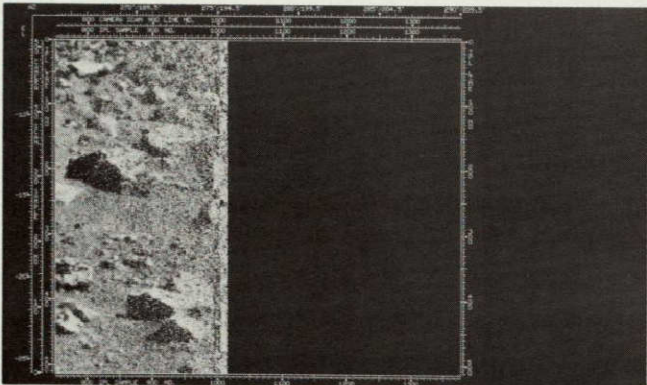
21B225/053-21B228/053



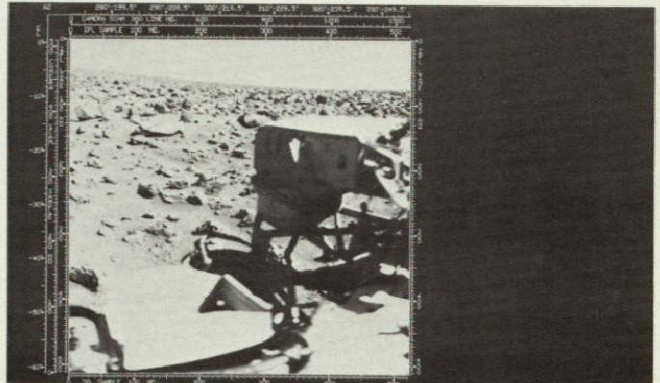
21B225/053 GRN 2/2



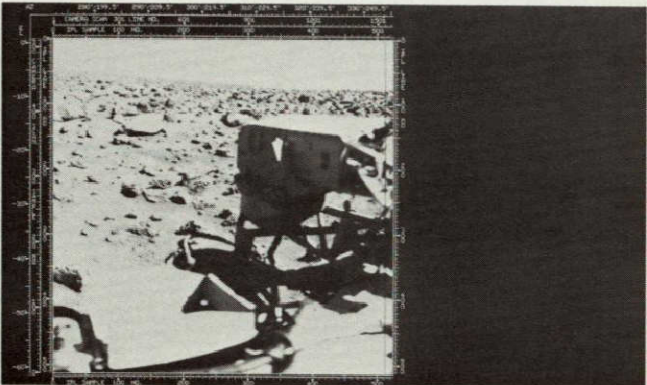
21B226/053 GRN 1/2



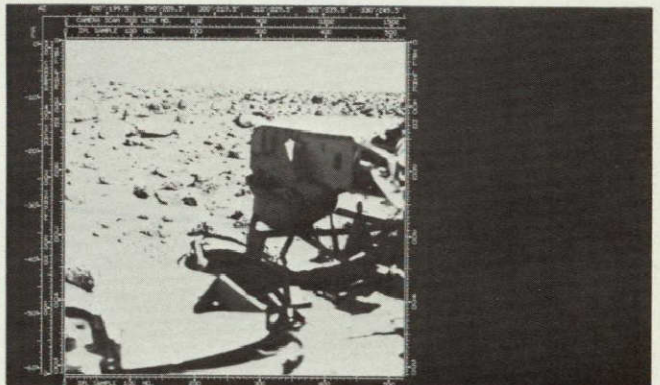
21B226/053 GRN 2/2



21B227/053 BLU/T



21B227/053 GRN/T



21B227/053 RED/T



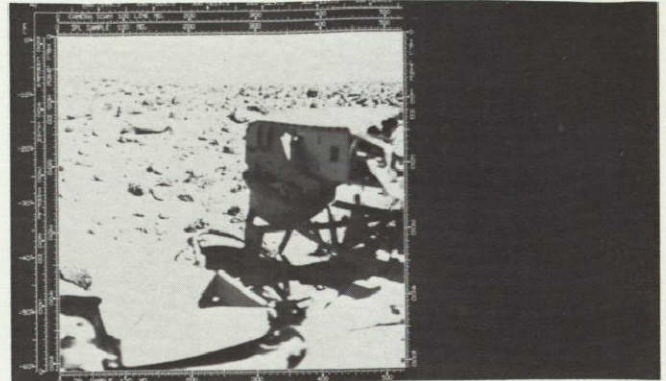
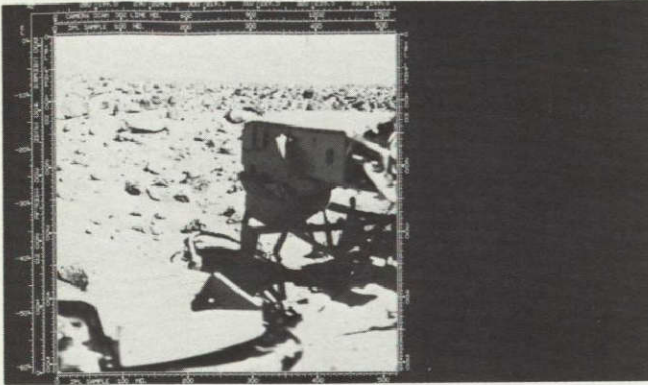
21B228/053 IR3/T



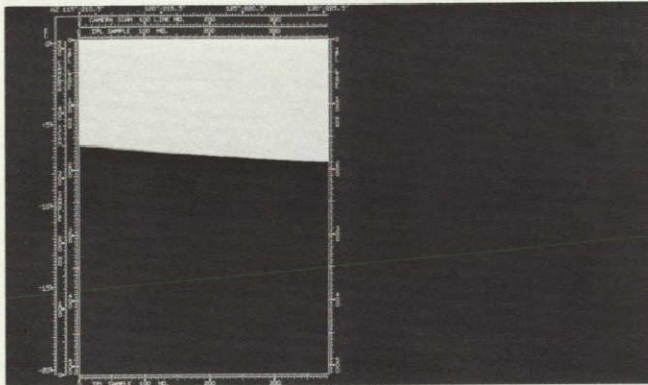
21B228/053 IR2/T

21B228/053-22B234/054

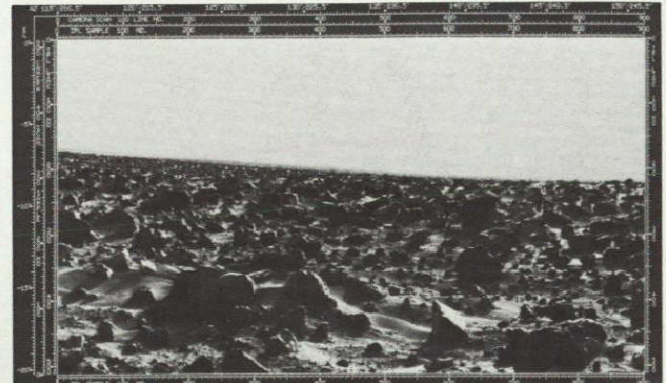
VL-2



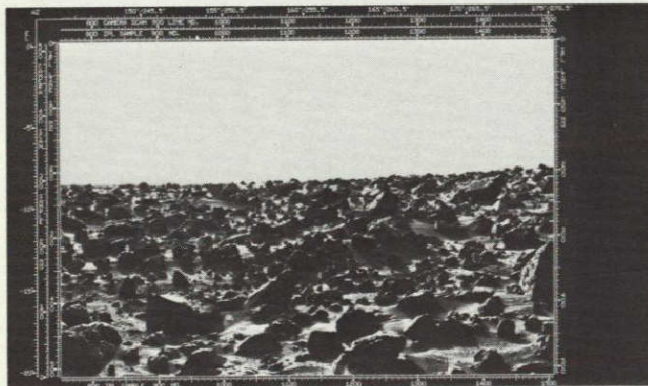
21B229/053 SURV



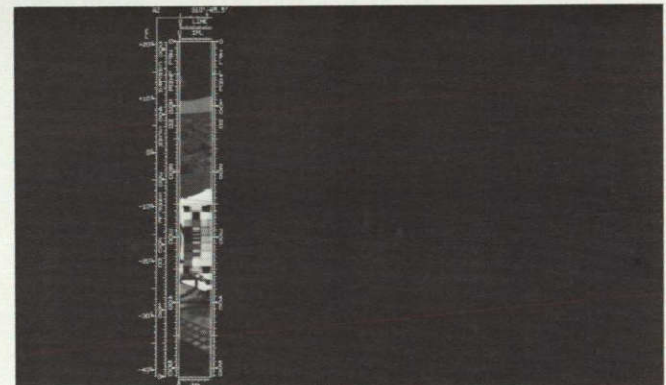
22B230/054 BB4



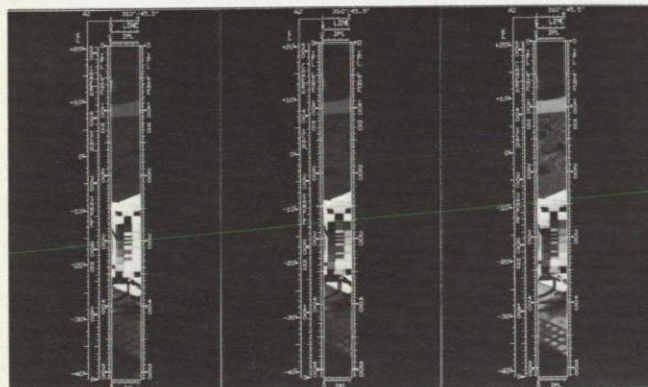
22B231/054 BB4 1/2



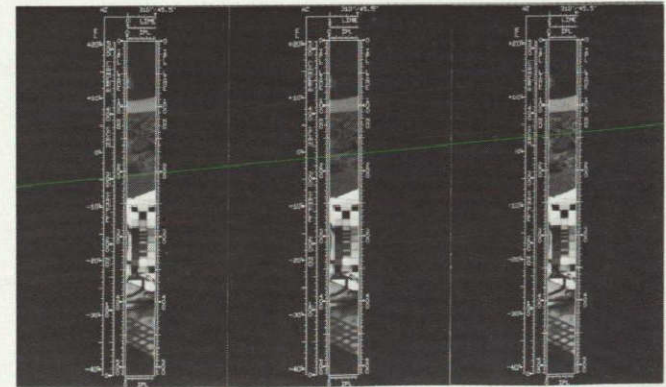
22B231/054 BB4 2/2



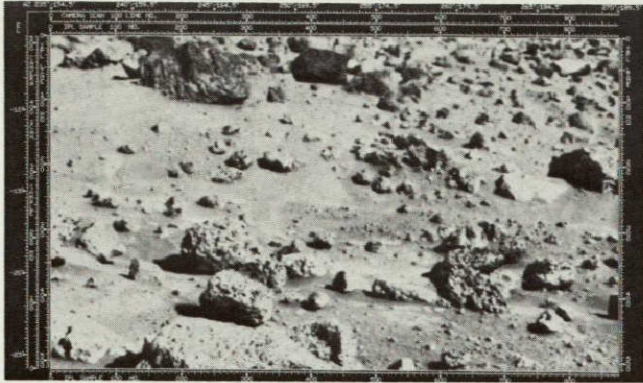
22B232/054 SURV



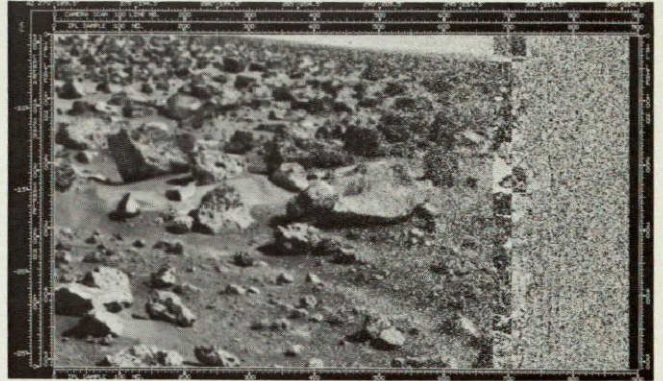
22B233/054 BLU/T 22B233/054 GRN/T 22B233/054 RED/T



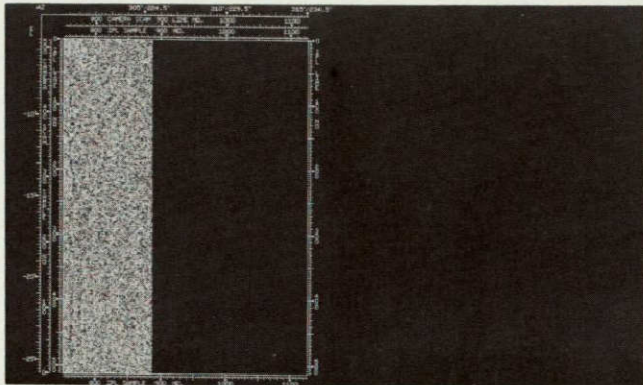
22B234/054 IR3/T 22B234/054 IR2/T 22B234/054 IR1/T



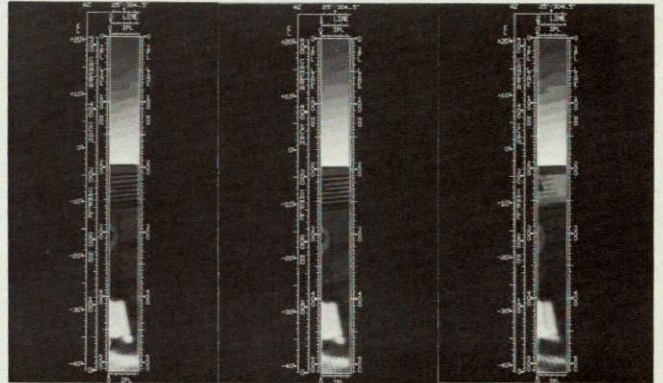
21B235/054 RED



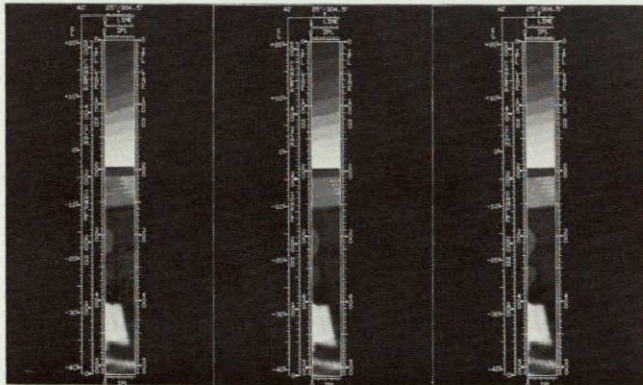
21B236/054 RED 1/2



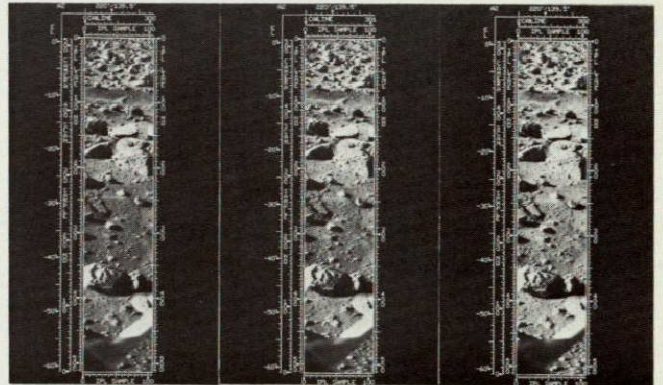
21B236/054 RED 2/2



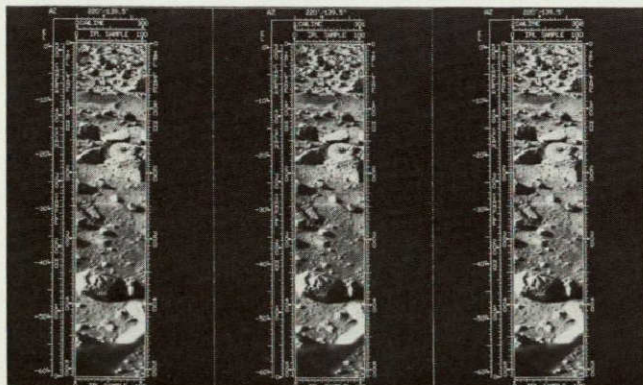
21B238/054 BLU/T 21B238/054 GRN/T 21B238/054 RED/T



21B239/054 IR3/T 21B239/054 IR2/T 21B239/054 IR1/T



21B240/054 BLU/T 21B240/054 GRN/T 21B240/054 RED/T



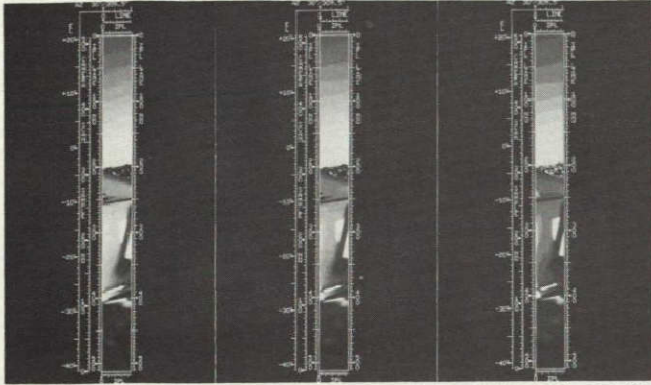
21B241/054 IR3/T 21B241/054 IR2/T 21B241/054 IR1/T



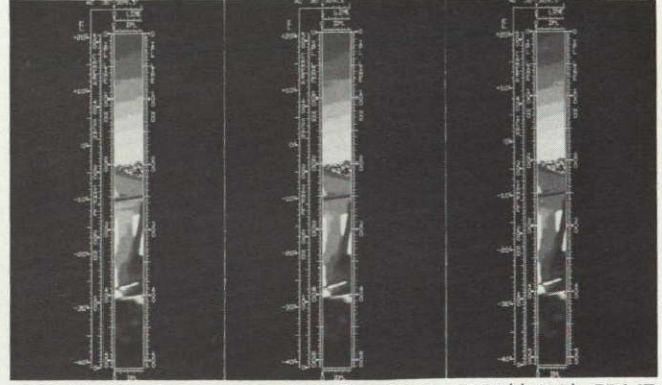
21B242/054 SUN

21B243/054-21B250/054

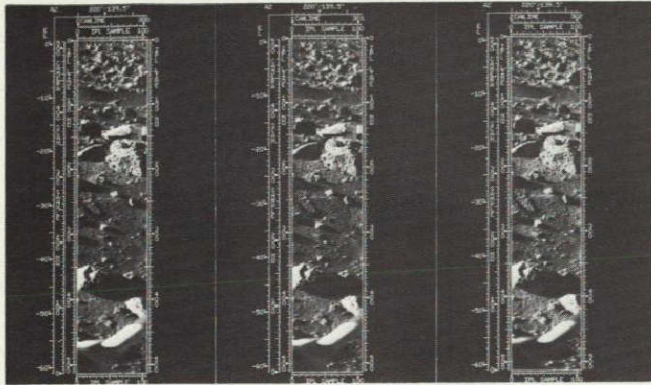
VL-2



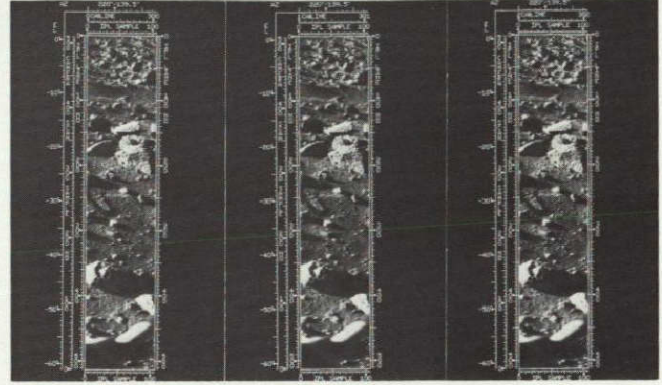
21B243/054 BLU/T 21B243/054 GRN/T 21B243/054 RED/T



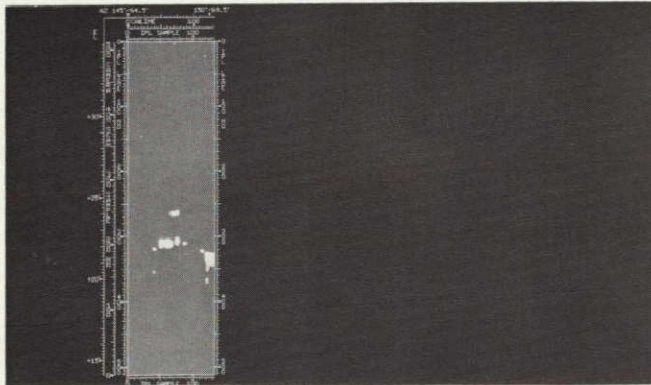
21B244/054 IR3/T 21B244/054 IR2/T 21B244/054 IR1/T



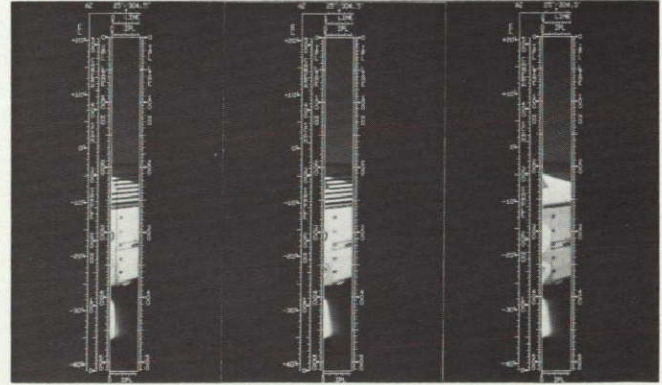
21B245/054 BLU/T 21B245/054 GRN/T 21B245/054 RED/T



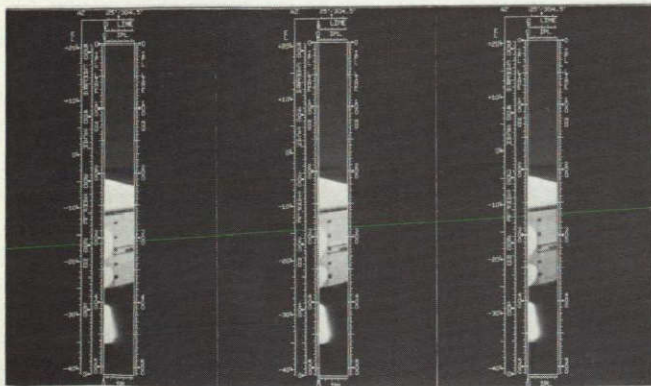
21B246/054 IR3/T 21B246/054 IR2/T 21B246/054 IR1/T



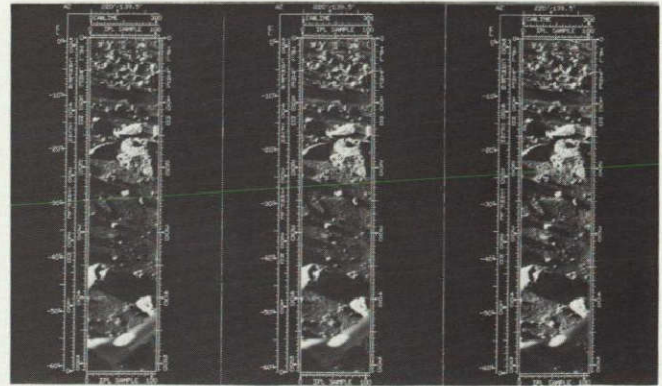
21B247/054 SUN



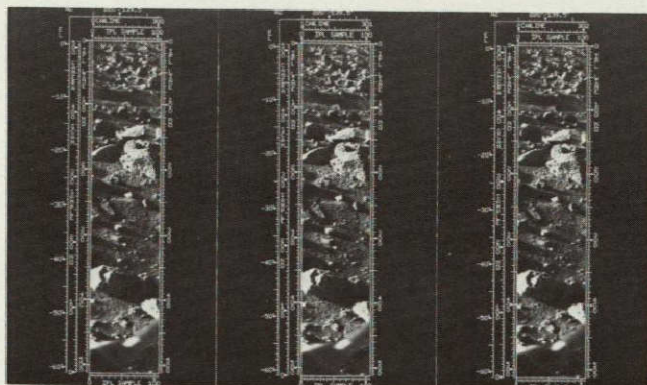
21B248/054 BLU/T 21B248/054 GRN/T 21B248/054 RED/T



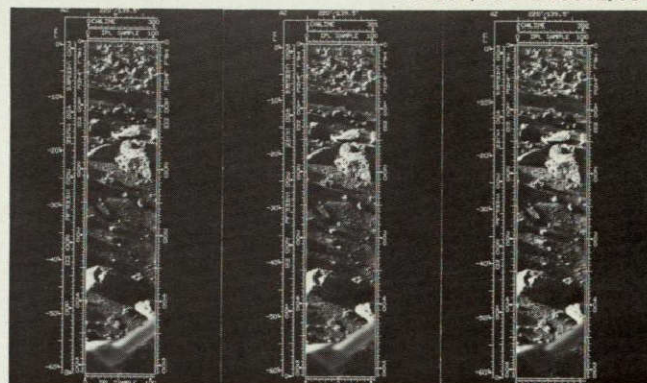
21B249/054 IR3/T 21B249/054 IR2/T 21B249/054 IR1/T



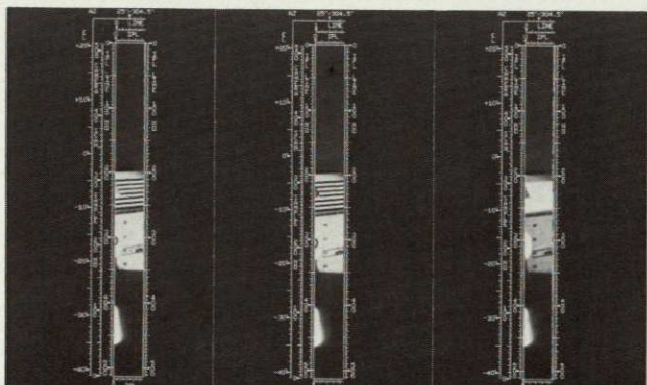
21B250/054 BLU/T 21B250/054 GRN/T 21B250/054 RED/T



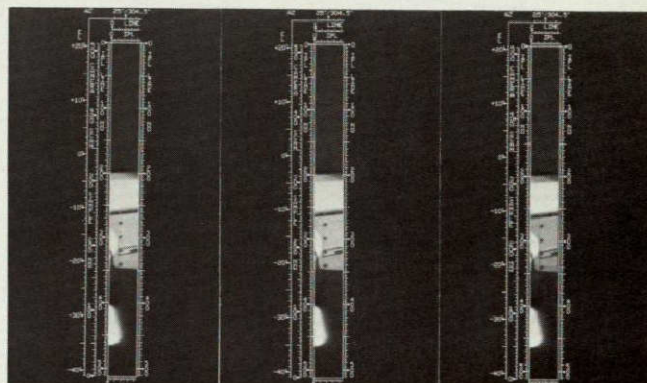
21B251/054 IR3/T 21B251/054 IR2/T 21B251/054 IR1/T



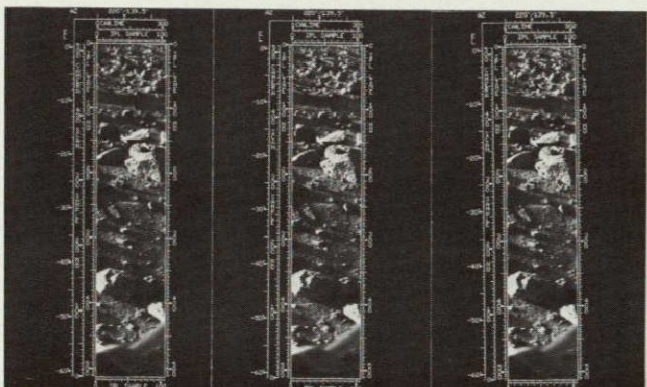
21B252/054 BLU/T 21B252/054 GRN/T 21B252/054 RED/T



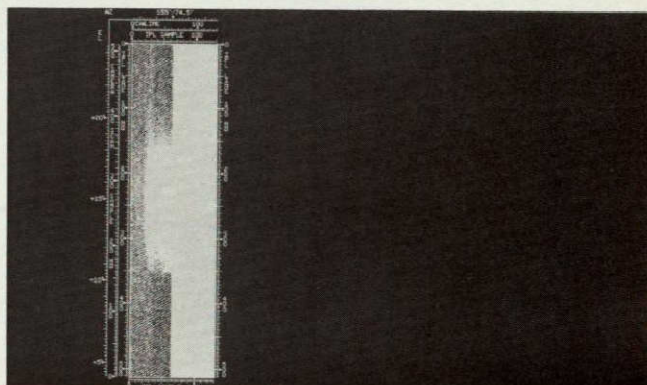
21B253/054 BLU/T 21B253/054 GRN/T 21B253/054 RED/T



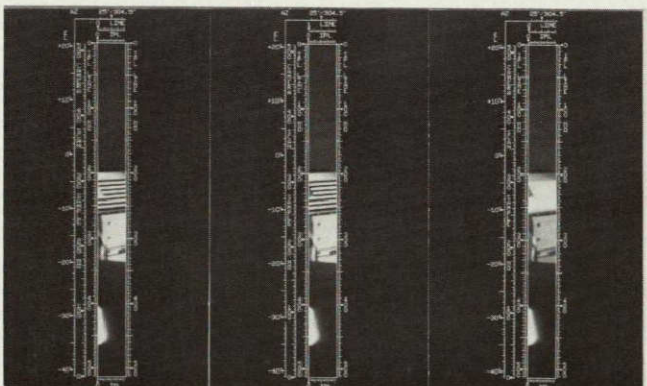
21B254/054 IR3/T 21B254/054 IR2/T 21B254/054 IR1/T



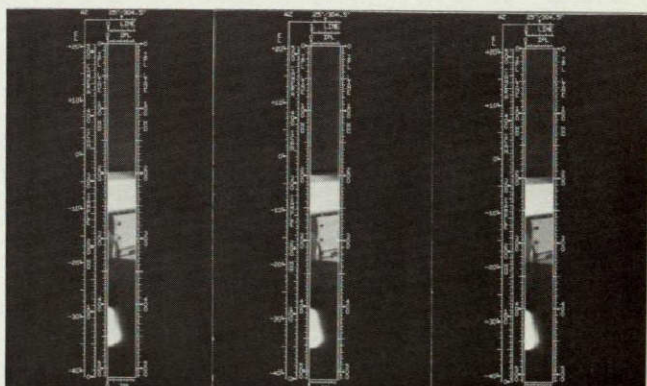
21B255/054 IR3/T 21B255/054 IR2/T 21B255/054 IR1/T



21C000/054 SUN



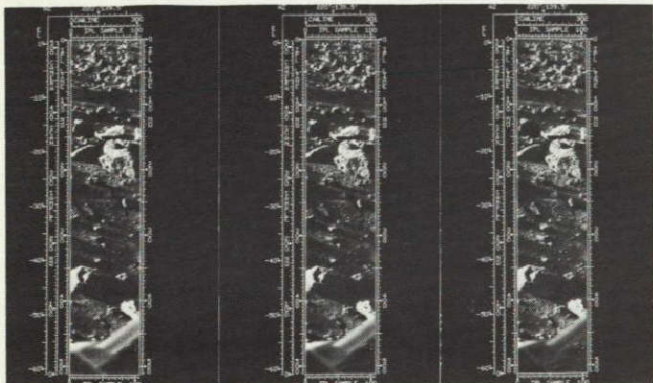
21C001/054 BLU/T 21C001/054 GRN/T 21C001/054 RED/T



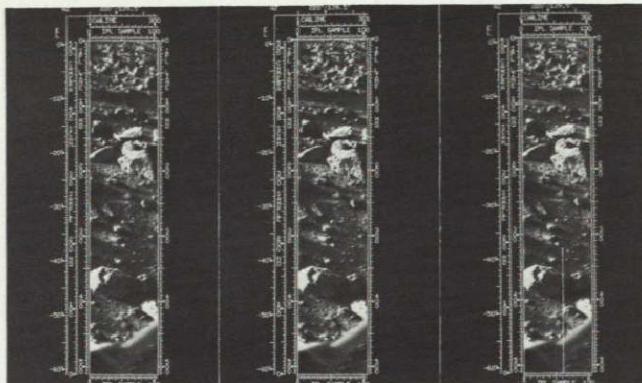
21C002/054 IR3/T 21C002/054 IR2/T 21C002/054 IR1/T

21C003/054-21C012/055

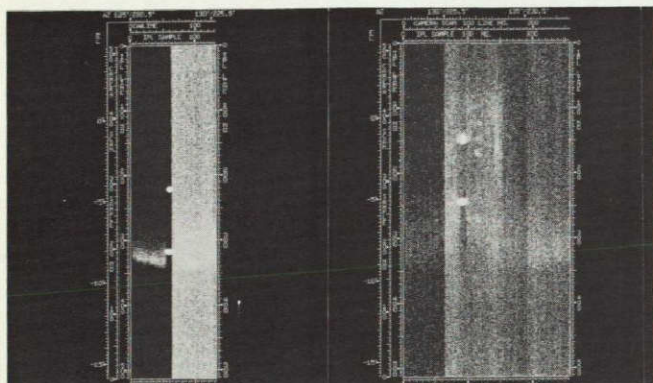
VL-2



21C003/054 BLU/T 21C003/054 GRN/T 21C003/054 RED/T

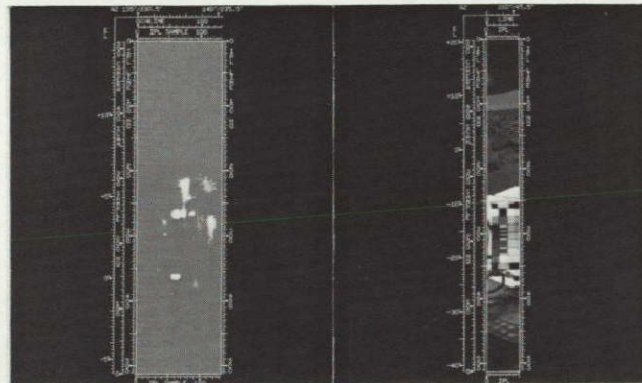


21C004/054 IR3/T 21C004/054 IR2/T 21C004/054 IR1/T



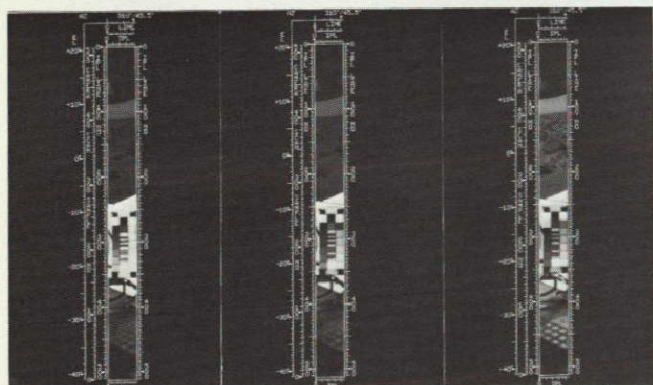
22C005/055 SUN

22C006/055 SUN

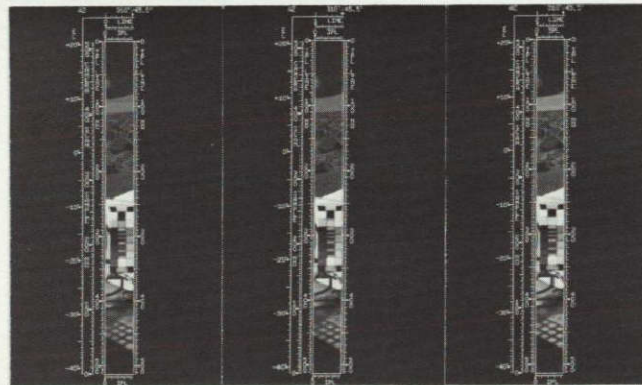


22C007/055 SUN

22C008/055 SURV



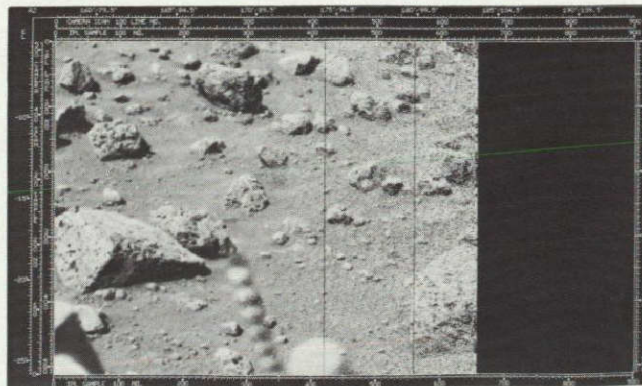
22C009/055 BLU/T 22C009/055 GRN/T 22C009/055 RED/T



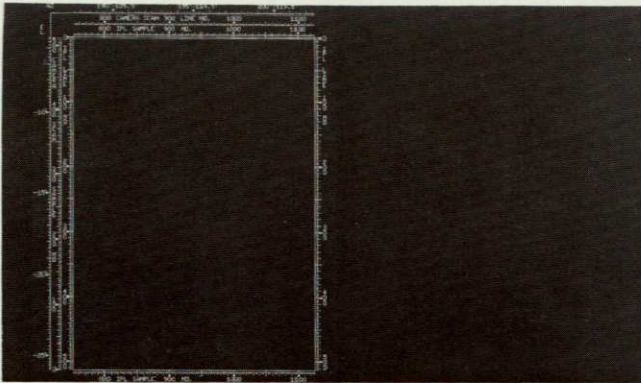
22C010/055 IR3/T 22C010/055 IR2/T 22C010/055 IR1/T



21C011/055 GRN



21C012/055 GRN 1/2



21C012/055 GRN 2/2



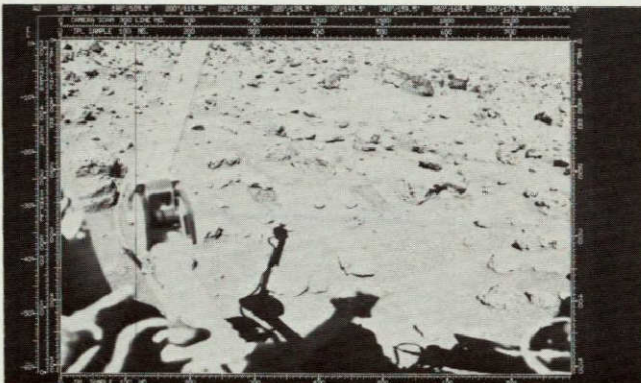
21C013/055 BLU/T



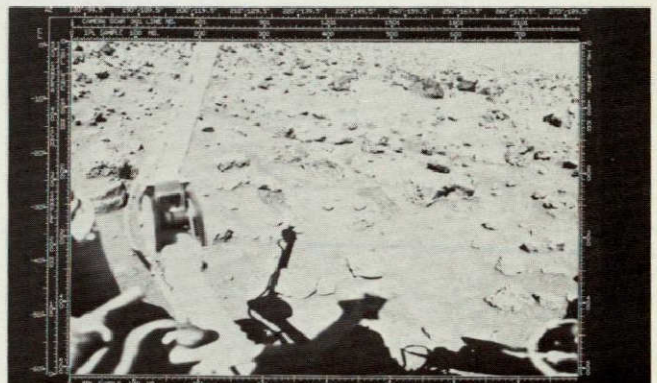
21C013/055 GRN/T



21C013/055 RED/T



21C014/055 IR3/T



21C014/055 IR2/T



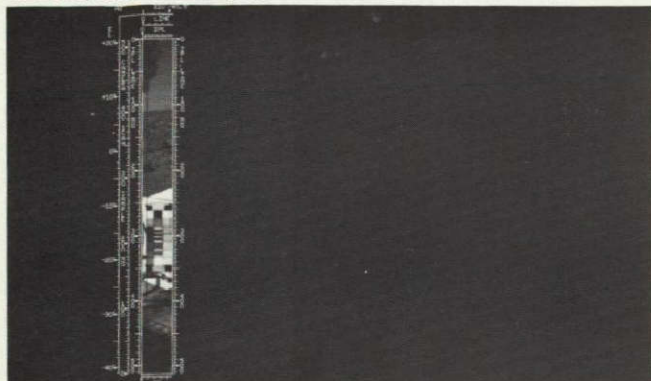
21C014/055 IR1/T



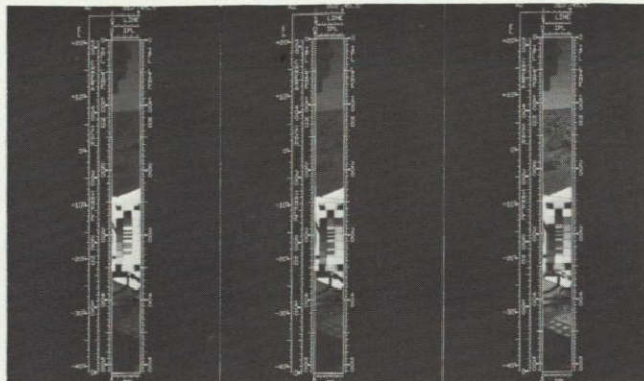
21C015/055 SURV

22C016/056-22C024/056

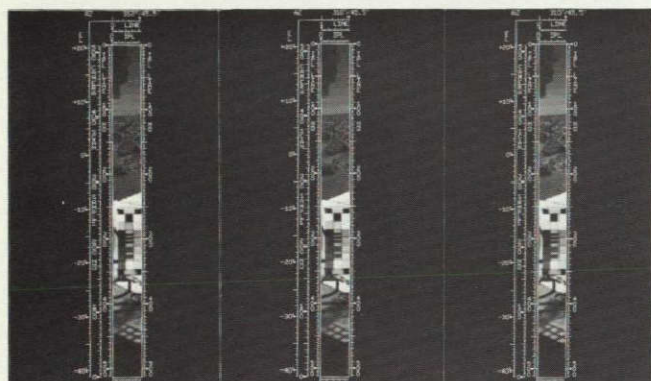
VL-2



22C016/056 SURV



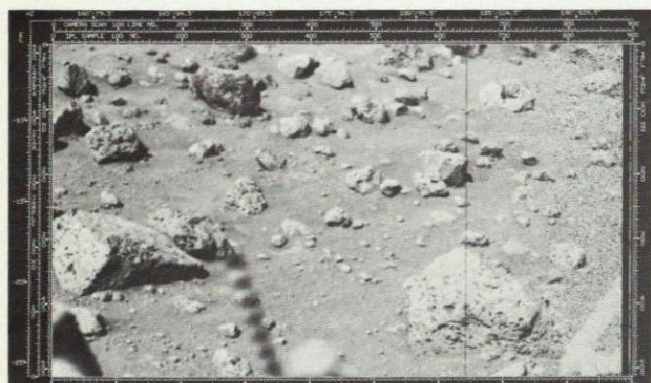
22C017/056 BLU/T 22C017/056 GRN/T 22C017/056 RED/T



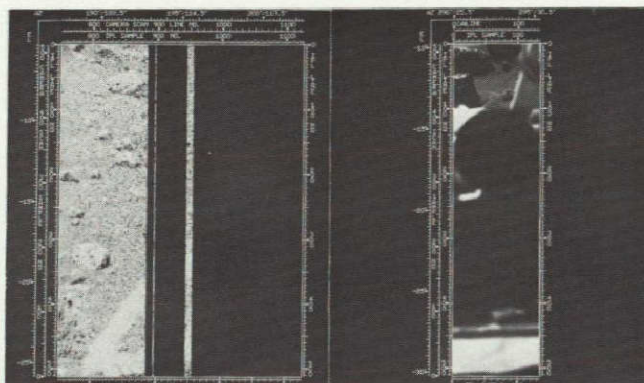
22C018/056 IR3/T 22C018/056 IR2/T 22C018/056 IR1/T



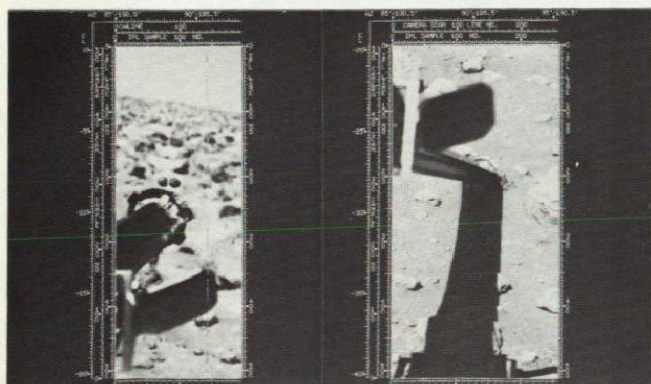
21C019/056 RED



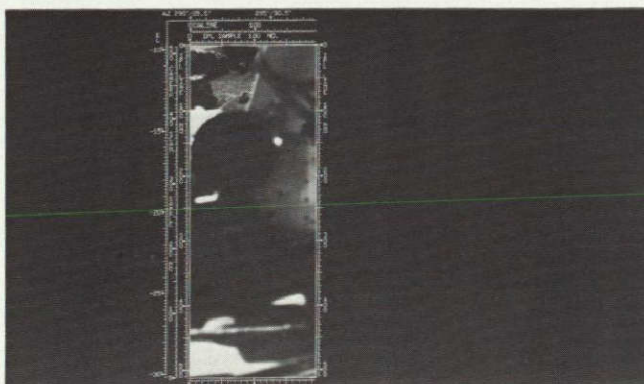
21C020/056 RED 1/2



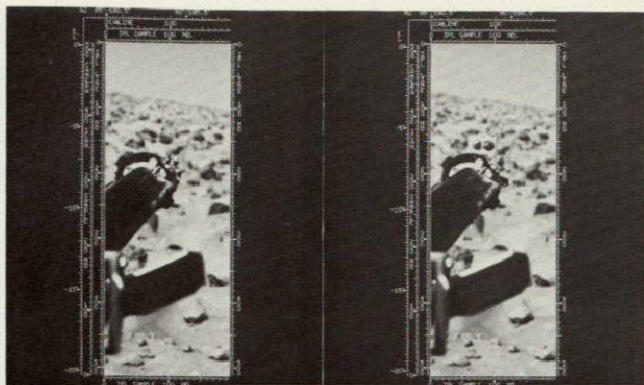
21C020/056 RED 2/2 22C021/056 BB3



22C022/056 BB1 22C023/056 BB2

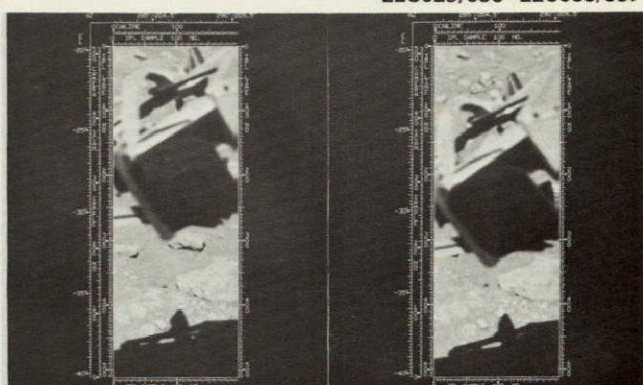


22C024/056 BB3



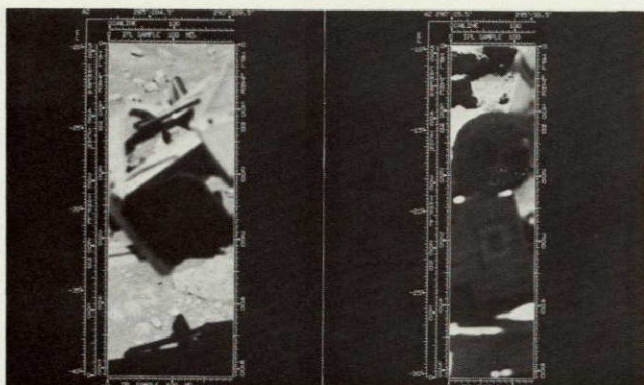
22C025/056 BB1

22C026/056 BB1



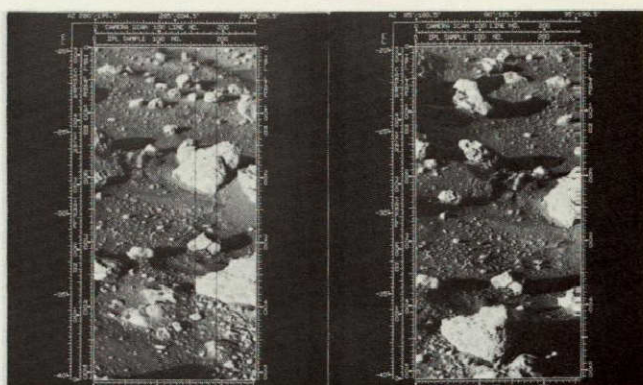
21C027/056 BB1

21C028/056 BB1



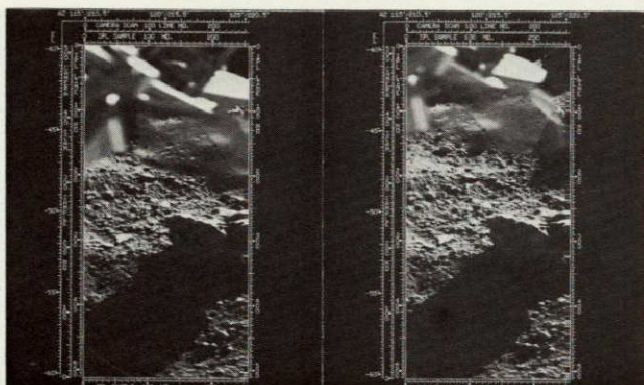
21C029/056 BB1

22C030/056 BB3



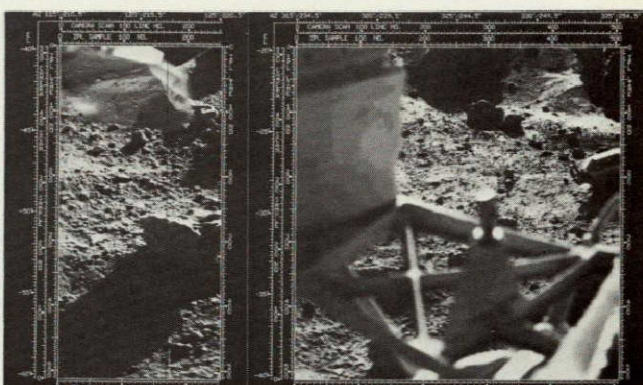
21C031/056 BB2

22C032/056 BB2



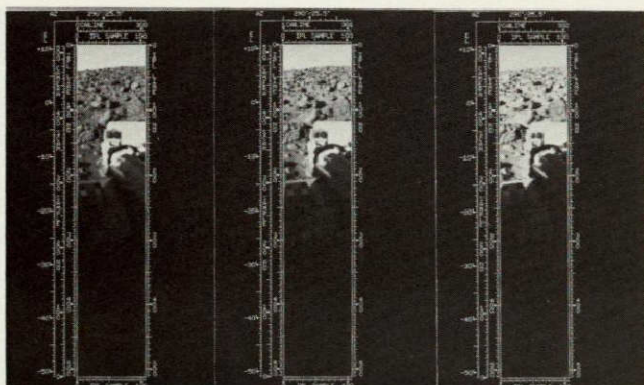
22C033/057 BB1

22C034/057 BB1

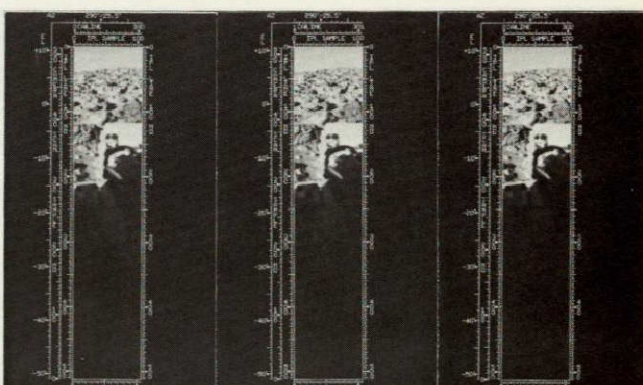


22C035/057 BB1

21C036/057 BB3



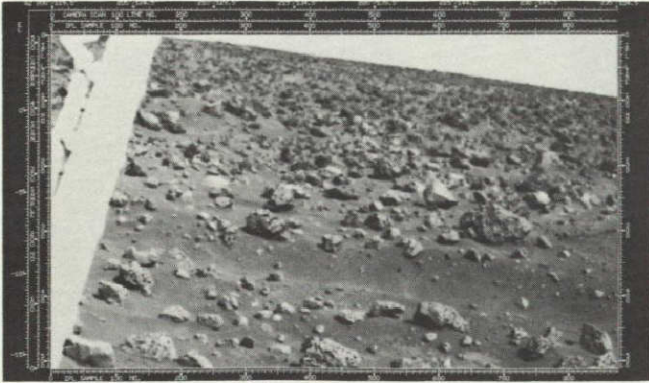
22C037/057 BLU/T 22C037/057 GRN/T 22C037/057 RED/T



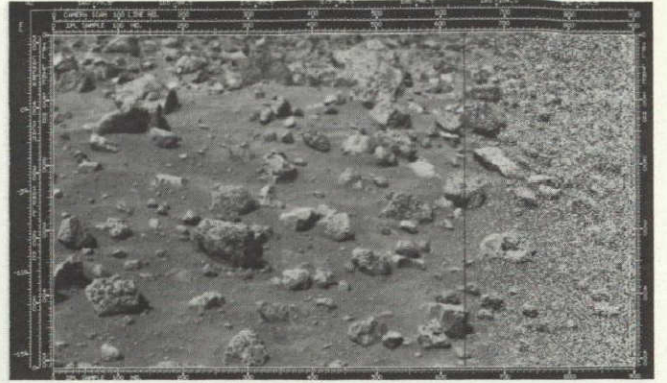
22C038/057 IR3/T 22C038/057 IR2/T 22C038/057 IR1/T

21C054/058-21C057/058

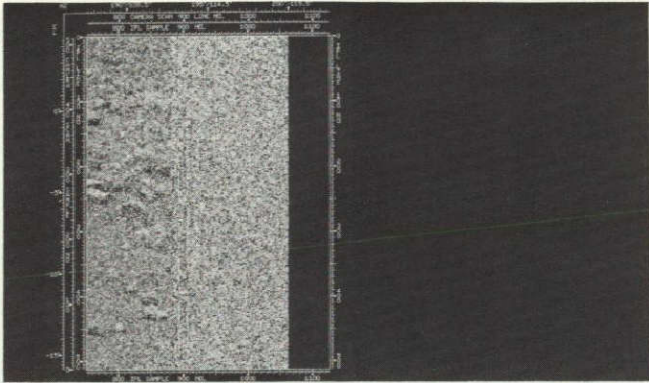
VL-2



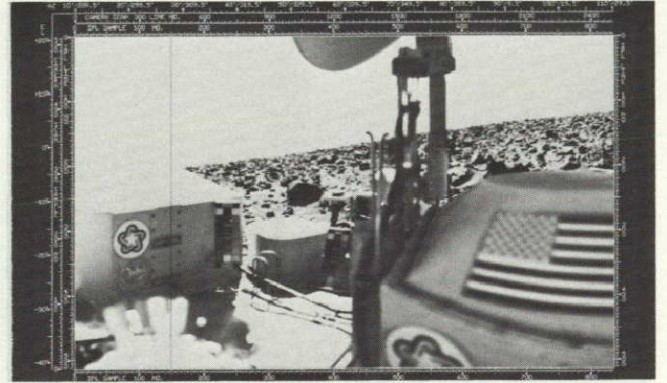
21C054/058 BLU



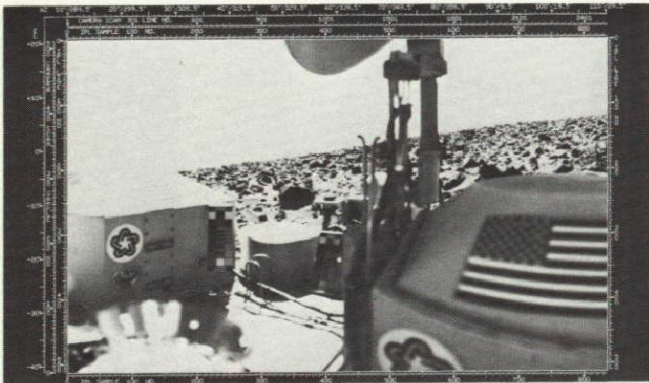
21C055/058 BLU 1/2



21C055/058 BLU 2/2



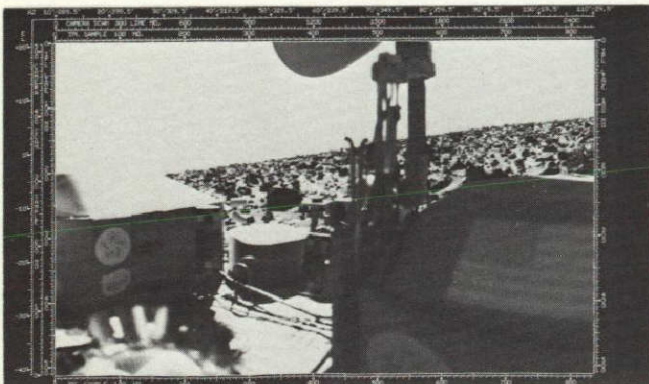
21C056/058 BLU/T



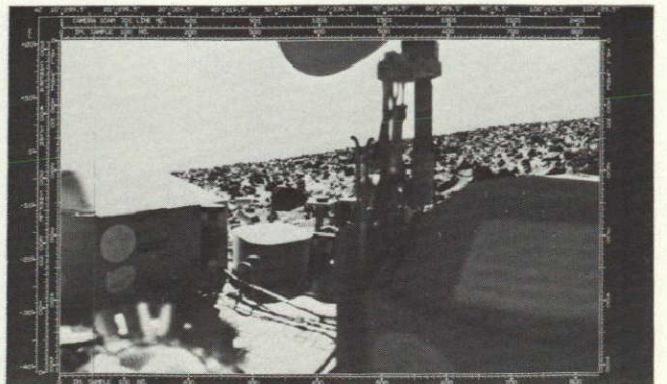
21C056/058 GRN/T



21C056/058 RED/T



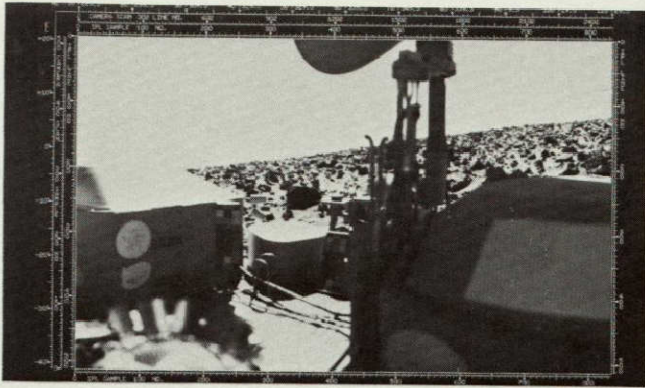
21C057/058 IR3/T



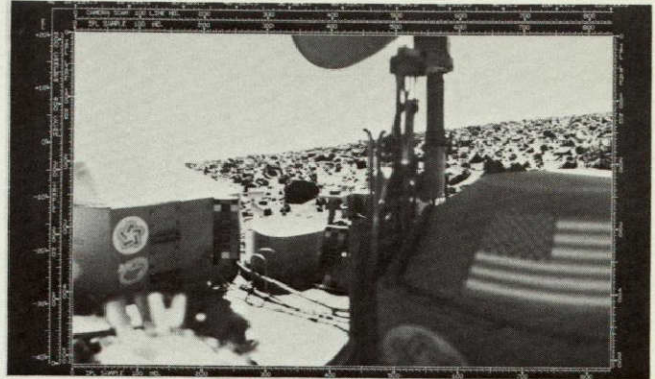
21C057/058 IR2/T

VL-2

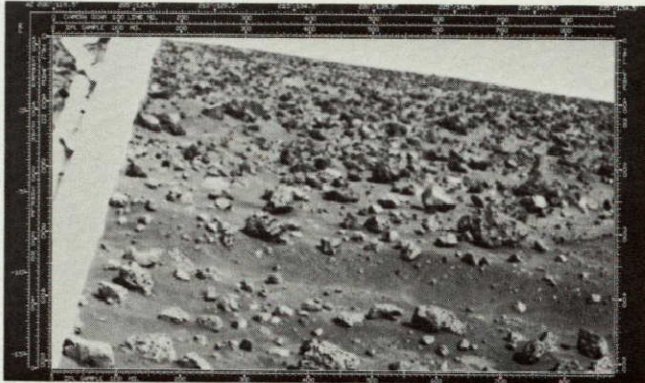
21C057/058-21C061/059



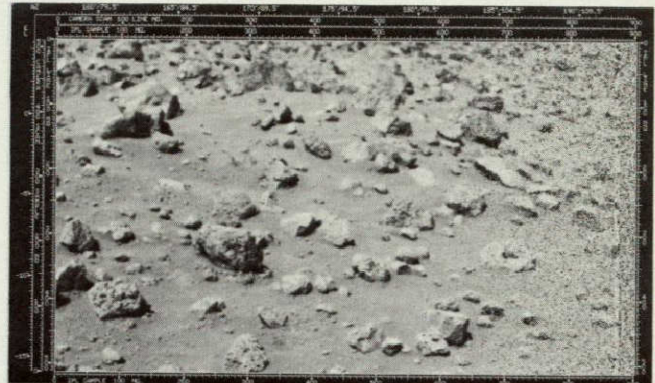
21C057/058 IR1/T



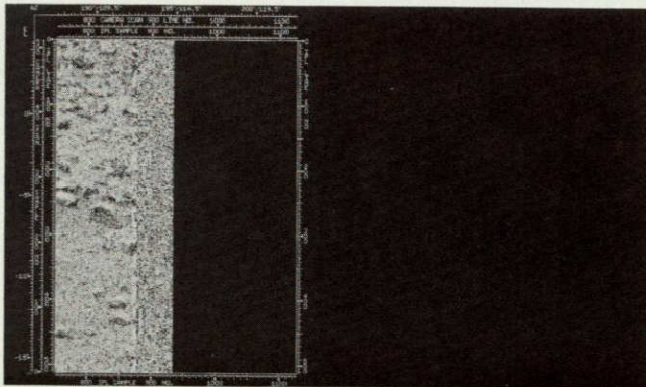
21C058/058 SURV



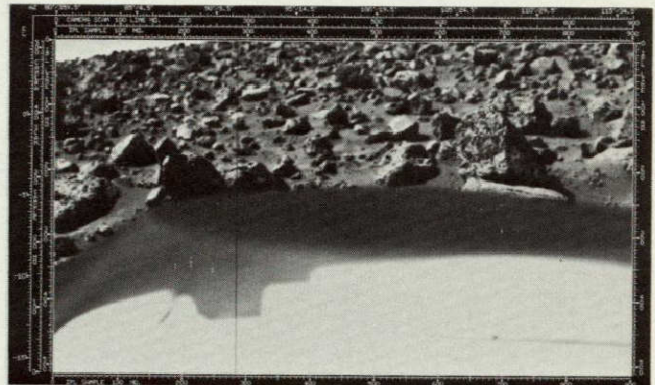
21C059/059 GRN



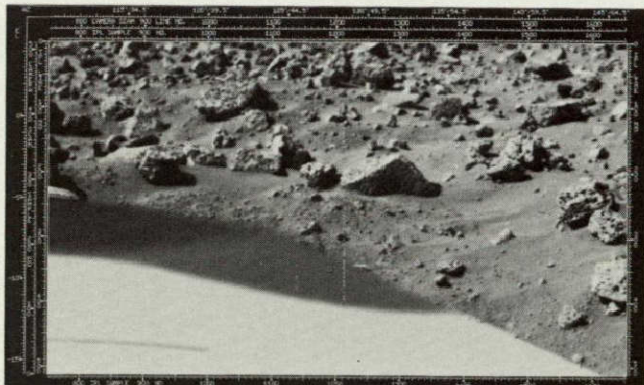
21C060/059 GRN 1/2



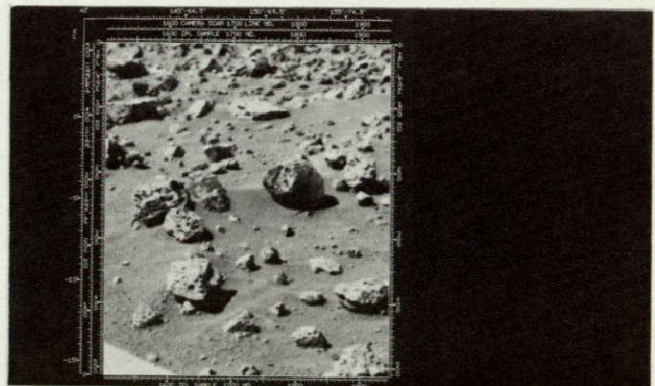
21C060/059 GRN 2/2



21C061/059 BLU 1/3



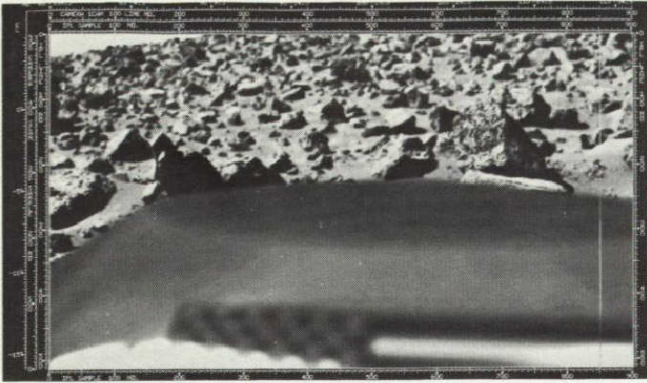
21C061/059 BLU 2/3



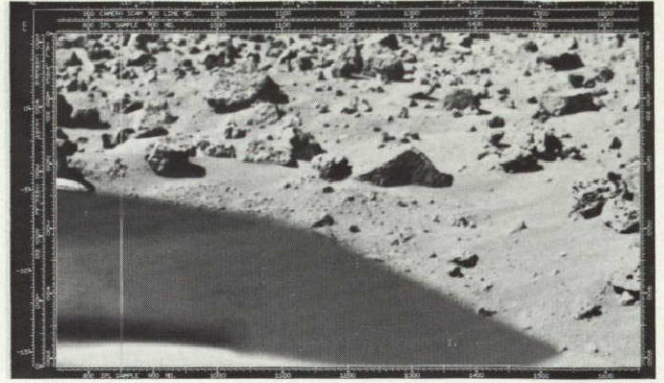
21C061/059 BLU 3/3

21C062/059-21C065/060

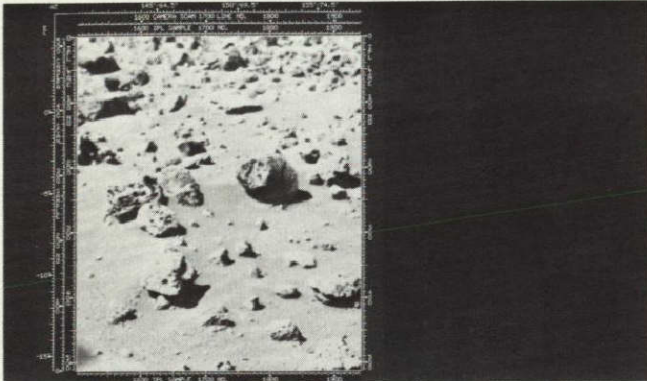
VL-2



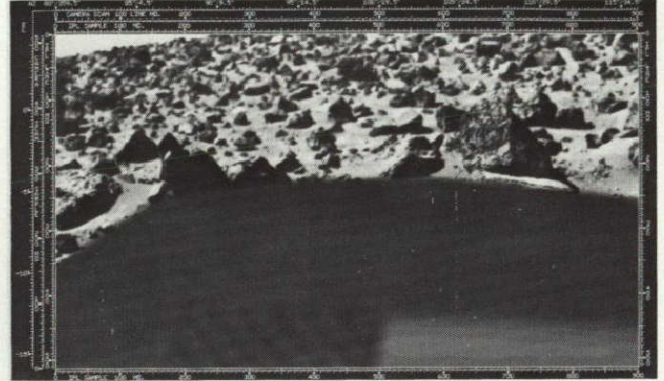
21C062/059 GRN 1/3



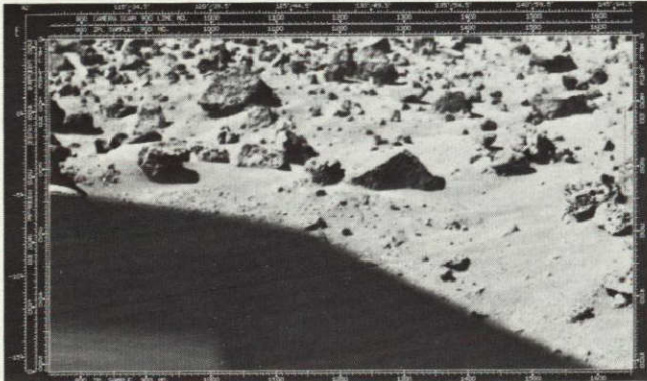
21C062/059 GRN 2/3



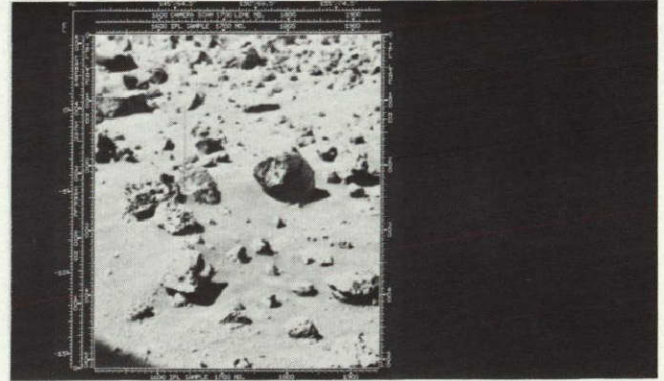
21C062/059 GRN 3/3



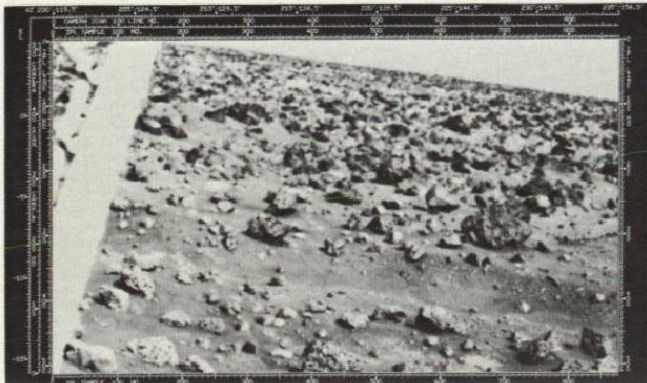
21C063/059 RED 1/3



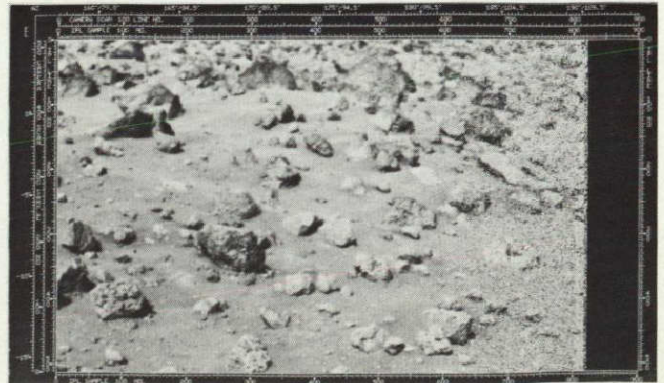
21C063/059 RED 2/3



21C063/059 RED 3/3



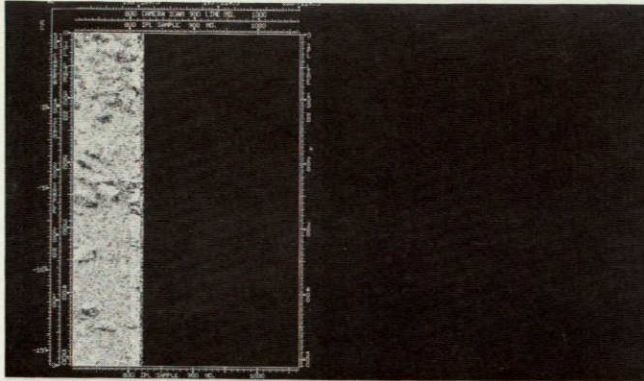
21C064/060 RED



21C065/060 RED 1/2

VL-2

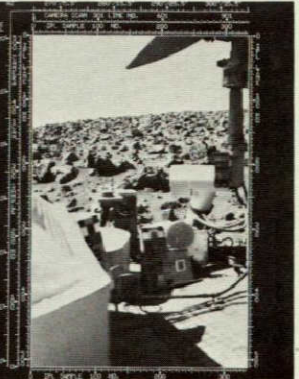
21C065/060-21C070/061



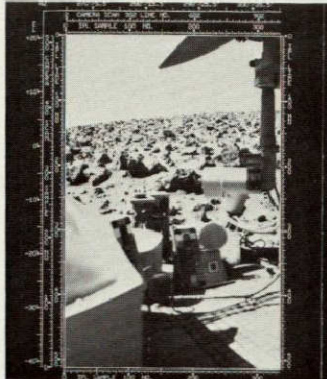
21C065/060 RED 2/2



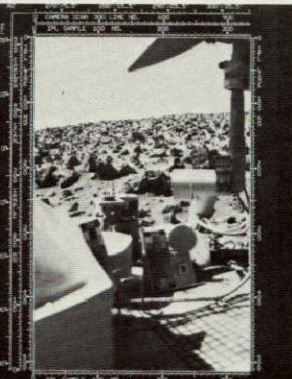
22C066/060 BLU/T



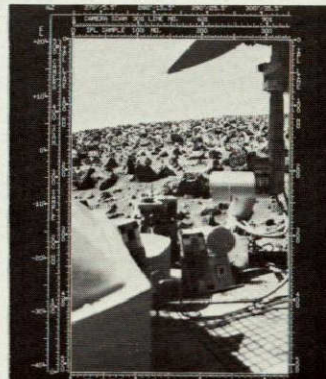
22C066/060 GRN/T



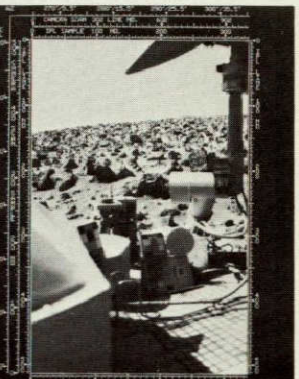
22C066/060 RED/T



22C067/060 IR3/T



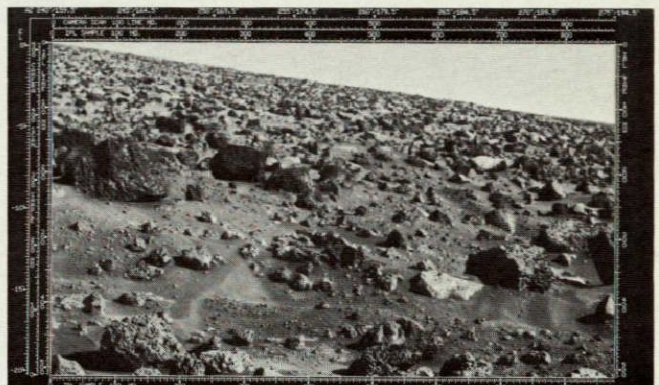
22C067/060 IR2/T



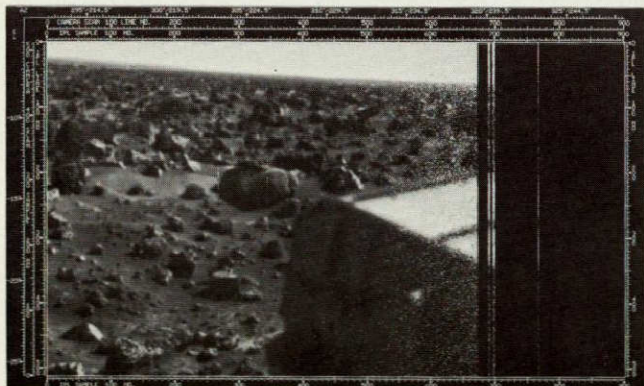
22C067/060 IR1/T



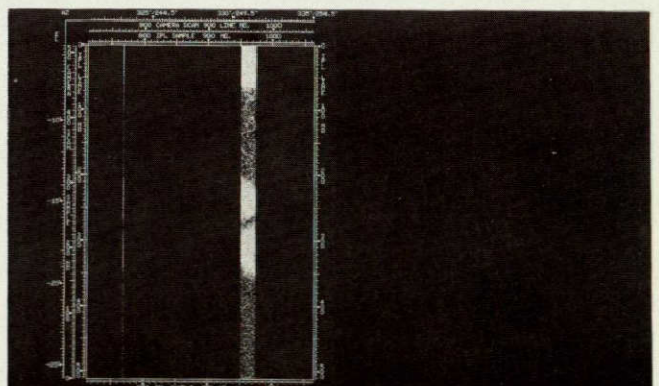
22C068/060 SURV



21C069/061 BB3



21C070/061 RED 1/2



21C070/061 RED 2/2

REFERENCES

1. Snyder, Conway W.: The Missions of the Viking Orbiter. J. Geophys. Res., vol. 82, no. 28, Sept. 30, 1977, pp. 3971-3983.
2. Levinthal, Elliott C.; Green, William; Jones, Kenneth L.; and Tucker, Robert: Processing the Viking Lander Camera Data. J. Geophys. Res., vol. 82, no. 28, Sept. 30, 1977, pp. 4412-4420.
3. Huck, Friedrich O.; Burcher, Ernest E.; Taylor, Edward J.; and Wall, Stephen D.: Radiometric Performance of the Viking Mars Lander Cameras. NASA TM X-72692, 1975.
4. Patterson, William R., III; Huck, F. O.; Wall, S. D.; and Wolf, M. R.: Calibration and Performance of the Viking Lander Cameras. J. Geophys. Res., vol. 82, no. 28, Sept. 30, 1977, pp. 4391-4400.
5. Wolf, Michael R.; Atwood, David L.; and Morrill, Michael E.: Viking Lander Camera Radiometry Calibration Report. Volumes 1 and 2. Publ. No. 77-62, Jet Propul. Lab., California Inst. Technol., Nov. 1, 1977.

BIBLIOGRAPHY

- Viking to Mars: The Lander. Sky & Telesc., vol. 50, no. 3, Sept. 1975, pp. 150-154.
- Binder, Alan B.; Arvidson, Raymond E.; Guinness, Edward A.; Jones, Kenneth L.; Morris, Elliot C.; Mutch, Thomas A.; Pieri, David C.; and Sagan, Carl: The Geology of the Viking Lander 1 Site. J. Geophys. Res., vol. 82, no. 28, Sept. 30, 1977, pp. 4439-4451.
- Huck, F. O.; McCall, H. F.; Patterson, W. R.; and Taylor, G. R.: The Viking Mars Lander Camera. Space Sci. Instrum., vol. 1, no. 2, May 1975, pp. 189-241.
- Huck, Friedrich O.; Burcher, Ernest E.; Taylor, Edward J.; and Wall, Stephen D.: Radiometric Performance of the Viking Mars Lander Cameras. NASA TM X-72692, 1975.
- Huck, F. O.; and Wall, S. D.: Image Quality Prediction: An Aid to the Viking Lander Imaging Investigation on Mars. Appl. Opt., vol. 15, no. 7, July 1976, pp. 1748-1766.
- Huck, Friedrich O.; Burcher, Ernest E.; Jobson, Daniel J.; and Wall, Stephen D.: Prediction of Viking Lander Camera Image Quality. NASA TN D-8148, 1976.
- Huck, Friedrich O.; Jobson, Daniel J.; Park, Stephen K.; Wall, Stephen D.; Arvidson, Raymond E.; Patterson, William R.; and Benton, William D.: Spectrophotometric and Color Estimates of the Viking Lander Sites. J. Geophys. Res., vol. 82, no. 28, Sept. 30, 1977, pp. 4401-4411.
- Levinthal, Elliott C.; Green, William; Jones, Kenneth L.; and Tucker, Robert: Processing the Viking Lander Camera Data. J. Geophys. Res., vol. 82, no. 28, Sept. 30, 1977, pp. 4412-4420.
- Levinthal, Elliott C.; Jones, Kenneth L.; Fox, Paul; and Sagan, Carl: Lander Imaging as a Detector of Life on Mars. J. Geophys. Res., vol. 82, no. 28, Sept. 30, 1977, pp. 4468-4478.
- Liebes, Sidney, Jr.; and Schwartz, Arnold A.: Viking 1975 Mars Lander Interactive Computerized Video Stereophotogrammetry. J. Geophys. Res., vol. 82, no. 28, Sept. 30, 1977, pp. 4421-4429.
- Martin, James S., Jr.; and Young, A. Thomas: Viking to Mars - Profile of a Space Expedition. Astronaut. & Aeronaut., vol. 14, no. 11, Nov. 1976, pp. 22-48.
- Mutch, Thomas A.; Binder, Alan B.; Huck, Friedrich O.; Levinthal, Elliott C.; Liebes, Sidney, Jr.; Morris, Elliot C.; Patterson, William R.; Pollack, James B.; Sagan, Carl; and Taylor, Glenn R.: The Surface of Mars: The View From the Viking 1 Lander. Science, vol. 193, no. 4255, Aug. 27, 1976, pp. 791-801.

- Mutch, Thomas A.; Arvidson, Raymond E.; Binder, Alan B.; Huck, Friedrich O.; Levinthal, Elliott C.; Liebes, Sidney, Jr.; Morris, Elliot C.; Nummedal, Dag; Pollack, James B.; and Sagan, Carl: Fine Particles on Mars: Observations With the Viking 1 Lander Cameras. *Science*, vol. 194, no. 4260, Oct. 1, 1976, pp. 87-91.
- Mutch, T. A.; Grenander, S. U.; Jones, K. L.; Patterson, W.; Arvidson, R. E.; Guinness, E. A.; Avrin, P.; Carlston, C. E.; Binder, A. B.; Sagan, C.; Dunham, E. W.; Fox, P. L.; Pieri, D. C.; Huck, F. O.; Rowland, C. W.; Taylor, G. R.; Wall, S. D.; Kahn, R.; Levinthal, E. C.; Liebes, S., Jr.; Tucker, R. B.; Morris, E. C.; Pollack, J. B.; Saunders, R. S.; and Wolf, M. R.: The Surface of Mars: The View From the Viking 2 Lander. *Science*, vol. 194, no. 4271, Dec. 17, 1976, pp. 1277-1283.
- Mutch, Thomas A.; Arvidson, Raymond E.; Binder, Alan B.; Guinness, Edward A.; and Morris, Elliot C.: The Geology of the Viking Lander 2 Site. *J. Geophys. Res.*, vol. 82, no. 28, Sept. 30, 1977, pp. 4452-4467.
- Park, Stephen K.; and Huck, Friedrich O.: A Spectral Reflectance Estimation Technique Using Multispectral Data From the Viking Lander Camera. NASA TN D-8292, 1976.
- Patterson, William R., III; Huck, F. O.; Wall, S. D.; and Wolf, M. R.: Calibration and Performance of the Viking Lander Cameras. *J. Geophys. Res.*, vol. 82, no. 28, Sept. 30, 1977, pp. 4391-4400.
- Pollack, James B.; Colburn, David; Kahn, Ralph; Hunter, June; Van Camp, Warren; Carlston, C. E.; and Wolf, M. R.: Properties of Aerosols in the Martian Atmosphere, as Inferred From Viking Lander Imaging Data. *J. Geophys. Res.*, vol. 82, no. 28, Sept. 30, 1977, pp. 4479-4496.
- Sagan, Carl: Viking to Mars: The Mission Strategy. *Sky & Telesc.*, vol. 50, no. 1, July 1975, pp. 15-19, 23.
- Snyder, Conway W.: The Missions of the Viking Orbiters. *J. Geophys. Res.*, vol. 82, no. 28, Sept. 30, 1977, pp. 3971-3983.
- Wolf, Michael R.; Atwood, David L.; and Morrill, Michael E.: Viking Lander Camera Radiometry Calibration Report. Volumes 1 and 2. Publ. No. 77-62, Jet Propul. Lab., California Inst. Technol., Nov. 1, 1977.

VIKING LANDER IMAGING CAMERA 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, USA	Scientists WITHIN the United States send order to National Space Science Data Center Code 601.4 Goddard Space Flight Center Greenbelt, Maryland 20771
--	---

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)

<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"/> Preparation of Master's thesis <input type="checkbox"/> Preparation of Doctoral thesis <input type="checkbox"/> Other	<input type="checkbox"/> Exhibit or display <input type="checkbox"/> Reference material <input type="checkbox"/> Use in publication
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 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 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 (1) NASA installations, NASA contractors, or NASA grantees, (2) other United States Government agencies, their contractors, or their grantees, (3) universities or colleges, (4) state and local governments, and (5) nonprofit organizations.
--

VIKING LANDER IMAGING CAMERA 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, USA	Scientists WITHIN the United States send order to National Space Science Data Center Code 601.4 Goddard Space Flight Center Greenbelt, Maryland 20771
--	--

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)

<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"/> Preparation of Master's thesis <input type="checkbox"/> Preparation of Doctoral thesis <input type="checkbox"/> Other	<input type="checkbox"/> Exhibit or display <input type="checkbox"/> Reference material <input type="checkbox"/> Use in publication
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 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 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: (1) NASA installations, NASA contractors, or NASA grantees, (2) other United States Government agencies, their contractors, or their grantees, (3) universities or colleges, (4) state and local governments, and (5) nonprofit organizations
--

VIKING LANDER IMAGING CAMERA 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, USA	Scientists WITHIN the United States send order to: National Space Science Data Center Code 601.4 Goddard Space Flight Center Greenbelt, Maryland 20771
--	---

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)

<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"/> Preparation of Master's thesis <input type="checkbox"/> Preparation of Doctoral thesis <input type="checkbox"/> Other	<input type="checkbox"/> Exhibit or display <input type="checkbox"/> Reference material <input type="checkbox"/> Use in publication
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 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 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: (1) NASA installations, NASA contractors, or NASA grantees, (2) other United States Government agencies, their contractors, or their grantees, (3) universities or colleges, (4) state and local governments, and (5) nonprofit organizations.

1. Report No. NASA RP-1007		2. Government Accession No		3. Recipient's Catalog No	
4. Title and Subtitle VIKING LANDER IMAGING INVESTIGATION - PICTURE CATALOG OF PRIMARY MISSION EXPERIMENT DATA RECORD				5. Report Date February 1978	
				6. Performing Organization Code	
7. Author(s) Robert B. Tucker				8. Performing Organization Report No L-11752	
9. Performing Organization Name and Address NASA Langley Research Center Hampton, VA 23665				10. Work Unit No 815-10-00-00	
				11. Contract or Grant No.	
				13. Type of Report and Period Covered Reference Publication	
12. Sponsoring Agency Name and Address National Aeronautics and Space Administration Washington, DC 20546				14. Sponsoring Agency Code	
15. Supplementary Notes Robert B. Tucker: Stanford University Medical Center, Stanford, California.					
16. Abstract All the images returned by the two Viking landers during the primary phase of the Viking Mission are presented in this report. Listings of supplemental information which describe the conditions under which the images were acquired are included together with skyline drawings which show where the images are positioned in the field of view of the cameras. Subsets of the images are listed in a variety of sequences to aid in locating images of interest. The format and organization of the digital magnetic tape storage of the images are described. A brief description of the mission and the camera system is also included.					
17. Key Words (Suggested by Author(s)) Viking Mars Imaging Lander Photograph			18. Distribution Statement Unclassified - Unlimited Subject Category 91		
19. Security Classif (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 568	22. Price* \$16.25

* For sale by the National Technical Information Service, Springfield, Virginia 22161

National Aeronautics and
Space Administration

SPECIAL FOURTH CLASS MAIL
BOOK

Postage and Fees Paid
National Aeronautics and
Space Administration
NASA-451



Washington, D.C.
20546

Official Business
Penalty for Private Use, \$300

NASA

POSTMASTER: If Undeliverable (Section 158
Postal Manual) Do Not Return
