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L-KH-6

Received from [redacted] on 7 Mar 63

GPS TECH DATA FORMAT - Call



THE FOLLOWING INFORMATION IS FROM THE NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER.

SUBJECT: CAMERA INFORMATION FOR LANYARD MISSION NO. \_\_\_\_\_

1. THE FOLLOWING TECHNICAL INFORMATION NECESSARY FOR THE REDUCTION OF QUANTITATIVE DATA OBTAINED FROM PHOTOGRAPHY OF MISSION \_\_\_\_\_ IS FORWARDED FOR YOUR INFORMATION.

A. THIS PHOTOGRAPHY INVOLVES THE USE OF THREE CAMERAS: ONE PANORAMIC CAMERA, A STELLAR CAMERA AND AN INDEX CAMERA.

B. \* FOCAL LENGTHS.

(1) PANORAMIC 1676.4 MM

(2) STELLAR 84 MM

(3) INDEX 38.10 MM

\* DEFINITION OF FOCAL LENGTH USED.

C. LENS DISTORTION

1. PANORAMIC (PINNACULATION)

3°

2°

1°

0°

355°

358°

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Declassified and Released by the NRC

In Accordance with E. O. 12958

on NOV 26 1997

## 2. STELLAR INDEX

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TO BE SUPPLIED AT LATER DATE.

### D. ANY & ALL CALIBRATION.

1. ALIGNMENT OF PAN CAMERA AXIS IN RELATIONSHIP TO THE VEHICLE AXIS IN THE X, Y AND Z PLANES.
2. SAME FOR Roll JOINTS
3. MIRROR PLANE RE PAN CAMERA OPTICAL AXIS.
4. SI KNEE ANGLE
5. SI RE PAN CAM OPTICAL AXIS IN XYZ PLANES
6. HORIZON SENSOR (INS)

2 BE CORRECTED IN BOOK 7. LOCATION OF P.P.s STELLAR INDEX UNIT.

### E. FILTER AND EXPOSURE DATA.

1. PANORAMIC CAMERA
2. STELLAR CAMERA
3. INDEX CAMERA

### F. RESOLUTION CAPABILITIES

- (1) PANORAMIC CAMERA
- (2) STELLAR CAMERA
- (3) INDEX CAMERA

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J. S/I DATA

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OPERATION	CN TIME	ON LAT	NO EXP
SL	2018	58.93	3
ID	2147	50.14	8

K. SYSTEM TIME TO CLOCK TIME CORRELATION  
[REDACTED]

REV NO	SYSTEM TIME (GCT)	CLOCK TIME
9	46081.725	214154.006
25	46402.138	300874.87

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### H. FILM DATA (TYPE)

- (1) PANORAMIC CAMERA
- (2) STELLAR CAMERA
- (3) INDEX CAMERA.

### I. IMC DATA (IMAGE MOTION COMPENSATION)

#### 1. RAMPS USED & RATES.

SEE PREFACE FOR EXPLANATION

#### A. SINUSOIDAL

##### 1. EQUATION OF CURVE

RAMP NO.	CYCLE PERIOD (SEC)	BEGIN	Center END
10 ea	IMC VELOCITY "/SEC	"	"
	SCAN VELOCITY "/SEC	"	"

#### B. STRAIGHT LINE

RAMP No.	cycle PERIOD (SEC)	BEGIN	END
10 ea	IMC VELOCITY "/SEC	"	"
	SCAN VELOCITY "/SEC	"	"

COORD. TECH	LAT	LONG	BUR	SUN	TIME	EXP. MS.	RAMP NO.	RAMP TIME ON	RAMP TIME OFF
CC	03DM	—	01	21	132049	8.8	4	358	389.

WGS - STEREO  
 improved your records for this