

TOP SECRET

OUT57049

1965 NOV 4 00 23Z

25X1

4 NOV 1965

P 032340Z
FM NPIC

multi

[REDACTED]
AFSSO USAF
AFSSO PACAF

[REDACTED]
CNO

[REDACTED]
OPCEN

[REDACTED]
YWQLAZC/AFSSO SAC
YWQLAZC/AFSSO ACIC
YWQLAZC/AFSSO FTD
ZEM

T O P S E C R E T

[REDACTED] CITE NPIC 5790.

SUBJECT: CAMERA INFORMATION FOR MISSION 1026-1.

1. THIS PHOTOGRAPHY INVOLVES THE USE OF EIGHT CAMERAS: TWO MAIN CAMERAS, FOUR HORIZON CAMERAS, A STELLAR CAMERA, AND AN INDEX CAMERA.

2. CAMERA DATA

	FORWARD	AFT	STAR HOR	PORT HOR	STELLAR	INDEX
FOCAL LENGTH (MM)	609.651	609.602	FWD 54.400	FWD 54.500	(1) 84.14	(1) 38.34
			AFT 54.700	AFT 54.900	(2) NA	(2) NA
FILTER (WRITTEN NUMBER)	25	21	25	25	NONE	21
APERTURE	F3.5	F3.5	F8.0	F6.8	F1.8	F4.5
SLIT WIDTH (IN.)						
EXPOSURE (SEC.)	.225	.150	1/100	1/100	2.0	1/500
FILM	3404	3404	3404	3404	4400	4400
RESOLUTION						

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Cy No.	Office	Action
1	File	
2	OS	
	ADMIN	
	SEC BR	
	P & DS	
	CSD	
	IPD	
	PS	
	PSD	
	PSD-ICB	
34	TID	✓
	IAD	
	PAG	
	DIAXX-4	
	SPAD	
	NSA-LO	
	DIA-AP	

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TOP SECRET

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(L/MM)	193	194	FWD -Ø	FWD -Ø	(1) 72
			AFT -Ø	AFT -Ø	(2) 74

NOTE: NUMBER (1) AND (2) UNDER STELLAR AND INDEX HEADINGS REFER TO PART-1 AND PART-2 OF THE MISSION.

3. LENS DISTORTION (PIN CUSHION) MM

A. MAIN LENS	3	2	1	Ø	359	358	357
FWD UNIT	.ØØ5	.ØØ4	.ØØ2	.ØØØ	.ØØØ	.ØØ1	.ØØ2
AFT UNIT	.ØØ9	.ØØ6	.ØØ3	.ØØØ	.ØØ2	.ØØ3	.ØØ5

B. HORIZON CAMERAS (MM)	FWD		AFT	
	PORT	STARBOARD	PORT	STARBOARD
(RADIAL) 1Ø DEGREES	.Ø2Ø	.Ø1Ø	.Ø1Ø	.Ø2Ø
2Ø DEGREES	.Ø4Ø	.Ø2Ø	.Ø2Ø	.Ø6Ø
(TANGENTIAL) MAX VECTOR	.Ø1Ø	.Ø25	.Ø2Ø	.Ø1Ø

4. CAMERA ANGLES DEGREES MINUTES

A. ANGLE BETWEEN MAIN CAMERAS	29	43.47
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B. ANGLE BETWEEN STELLAR AND INDEX CAMERAS		
	PART (1)	89 59
	PART (2)	NA

C. DEPRESSION ANGLE BETWEEN HORIZON AND MAIN CAMERAS		
	FWD STARBOARD	15 37
	FWD PORT	14 3Ø
	AFT STARBOARD	15 55
	AFT PORT	15 16

5. TIMING MARKS

FREQUENCY MARKS WILL APPEAR ON THE FILM AT A RATE OF 2ØØ CYCLES PER SECOND.

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6. IMAGE MOTION COMPENSATION DATA (CYCLE RATE (CPS), GROUND ANGULAR VELOCITY (GAV) IN RAD/SEC, AND PASSES WHERE USED).

REF. LEVEL			AMPL. LEVEL			PASSES
NO.	CPS.	GAV.	NO.	CPS.	GAV.	
7	.3403	.09253	2	.1419	.03858	66D1 THRU 79D1
7	.3403	.03405	3	.1284	.01284	7D1 THRU 64D1
8	.3232	.02847	3	.1284	.01131	1D1 THRU 1D1
8	.3232	.03531	4	.1099	.01200	3D1 THRU 6D4

7. PROGRAM TIME DATA

PASS	CAMERA ON TIME				PROGRAM ON TIME	PROGRAM
	(ZEBRA TIME)				UP RAMP	DURATION
	DAY	HOUR	MIN	SEC	SEC	SEC
1D1	28	22	40	38	1038	69
1D2	28	22	42	27	1147	73
3D1	29	01	42	42	980	127
3D2	29	01	47	45	1282	56
5D1	29	04	45	24	1048	154
5D2	29	04	50	04	1327	48
5D3	29	04	53	06	1509	53
6D1	29	06	23	24	1481	46
6D2	29	06	24	34	1551	129
6D3	29	06	28	16	1773	58
6D4	29	06	39	38	2455	212
7D1	29	07	49	30	1119	57
7D2	29	07	51	25	1234	150
8D1	29	09	17	44	975	198

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9D1	29	10	31	20	0	48
9D2	29	10	51	04	1138	246
14D1	29	18	29	01	1472	42
14D2	29	18	42	50	2301	189
16D1	29	21	31	15	1529	27
19D1	30	01	53	47	968	160
20D1	30	03	25	30	1033	218
21D1	30	05	03	42	1488	248
23D1	30	07	59	55	1186	54
23D2	30	08	01	58	1309	52
23D3	30	08	07	19	1630	78
24D1	30	09	31	07	1222	260
25D1	30	11	02	35	1273	84
26D1	30	12	51	22	2365	198
30D1	30	18	58	38	2655	122
31D1	30	20	12	13	1634	47
34M	31	00	30	55	952	279
35M	31	02	01	59	979	254
37D1	31	05	09	20	1251	245
37D2	31	05	16	11	1662	153
38D1	31	06	41	52	1369	359
39D1	31	08	06	31	1012	62
39D2	31	08	11	40	1320	146
39D3	31	08	15	06	1527	78
40D1	31	09	21	31	77	48
40D2	31	09	40	02	1188	55

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40D3	31	09	43	04	1371	192
41D1	31	11	12	45	1317	155
46D1	31	18	49	34	1558	49
47D1	31	20	20	41	1593	47
51D1	01	02	16	13	1196	123
52D1	01	03	49	24	1350	178
53D1	01	05	18	02	1236	168
53D2	01	05	28	00	1834	93
54D1	01	06	45	48	1069	139
54D2	01	06	51	07	1389	67
61D1	01	17	28	05	1586	41
63D1	01	20	29	45	1622	39
64D1	01	21	52	07	1133	58
66D1	02	00	57	09	1375	51
68D1	02	03	52	48	1057	199
68D2	02	04	00	43	1532	127
69D1	02	05	24	27	1125	235
69D2	02	05	36	37	1855	62
70D1	02	07	01	00	1490	97
72D1	02	09	58	48	1298	308
78D1	02	19	07	03	1618	39
79D1	02	20	38	25	1671	26

NOTE: DATA IS THE SAME FOR BOTH THE MASTER (FWD) AND SLAVE (AFT)
UNITS

8. TIME CORRELATION (MILLISECONDS)

PASS CLOCK TIME SYSTEM TIME DIFFERENCE

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9	007058.127	37945.1380	-----
16	046635.870	77522.8811	-.0001
24	088663.043	33150.0541	.0000
31	128312.226	72799.2370	.0001
40	175668.774	33755.7846	.0004
47	215206.008	73293.0183	.0003
56	262443.234	34130.2436	.0007
63	302157.069	73844.0780	.0006
72	349566.116	34853.1241	.0009
79	389064.672	74351.6792	.0009

9. REMARKS

A. S/I UNIT - PART 1 D75/92/93

PART 2 D72/89/85

GP-1

T O P S E C R E T

--END OF MESSAGE--

S/C NOTE: ALSO SENT

25X1