

FOCAL LENGTHS (MM)	PART 1	84.2473	38.2153
	PART 2	84.0225	38.2963
FILTER (WRATTEN NO.)		NONE	21
APERTURE		F1.8	F4.5
EXPOSURE (SEC.)		2.0	1/500
FILM		3401	3400
RESOLUTION (L/MM)	PART 1		76
	PART 2		76
UNIT NUMBER	PART 1	D71/87/87	
	PART 2	D68/74/83	

3. LENS DISTORTION (PIN CUSHION) MM

A. MAIN LENS	3	2	1	0	359	358	357
FWD UNIT	.003	.002	.000	.000	.000	.002	.003
AFT UNIT	.005	.003	.001	.000	.000	.001	.003

B. HORIZON CAMERAS (MM)	FWD	AFT
	PORT STAR	PORT STAR
(RADIAL) 10 DEGREES	.004	.011 .007 .004
20 DEGREES	.012	.018 .003 .011
(TANGENTIAL) MAX VECTOR	.005	.008 .010 .003

4. CAMERA ANGLES

		DEG.	MIN.
A. ANGLE BETWEEN PAN CAMERAS		29	43.09
B. DEPRESSION ANGLE BETWEEN HORIZON	FWD STAR	14	46
AND PAN CAMERAS	FWD PORT	15	24
	AFT STAR	15	06

AFT PORT 14 30

C. ANGLE BETWEEN STELLAR AND INDEX PART 1 90 1.7
 CAMERAS PART 2 89 57.7

5. TIMING MARKS

FREQUENCY MARKS WILL APPEAR ON THE FILM AT A RATE OF 200 CYCLES PER SECOND.

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

REF. LEVEL		AMPL. LEVEL		PASSES
NO. CPS.	GAV.	NO. CPS.	GAV.	
8	.3220 .0291	3	.1332 .0120	1D1 THRU 6D3
8	.3220 .0291	2	.1470 .0133	7AE THRU 16D1

7. PROGRAM TIME DATA

PASS	CAMERA ON TIME				PROGRAM ON TIME		PROGRAM
	(ZULU TIME)				UP RAMP	DURATION	
	DAY	HR	MIN	SEC	SEC	SEC	
1D1	09	22	37	05	1223	40	
5D1	10	04	40	28	1240	406	
6D1	10	06	11	19	1184	241	
6D2	10	06	16	45	1510	346	
6D3	10	06	27	04	2130	154	
7AE	10	07	20	00	0	81	
7D1	10	07	42	09	1126	540	
8D1	10	09	12	53	1129	418	
8D2	10	09	23	31	1767	39	

9AE	10	10	24	50	0	48
9D1	10	10	44	27	1180	266
9D2	10	10	51	49	1621	150
9D3	10	10	58	11	2004	254
10D1	10	12	16	48	1277	111
10D2	10	12	23	04	1654	150
10D3	10	12	27	16	1905	207
11D1	10	13	53	51	1657	386
12D1	10	15	16	31	1172	44
13D1	10	17	01	14	2014	538
14D1	10	18	23	30	1508	40
14D2	10	18	26	06	1665	47
14D3	10	18	31	46	2004	342
15D1	10	19	54	08	1504	40
16D1	10	21	26	43	1616	37

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

8. TIME CORRELATION (MILLISECONDS)

PASS	CLOCK TIME	SYSTEM TIME	DIFFERENCE
9	2700760.523	37507.598	
16	309810.856	77257.928	PLUS .003

GP-1

T O P S E C R E T

:::END OF MESSAGE:::

(ABOVE MSG ALSO PASSED)

25X1