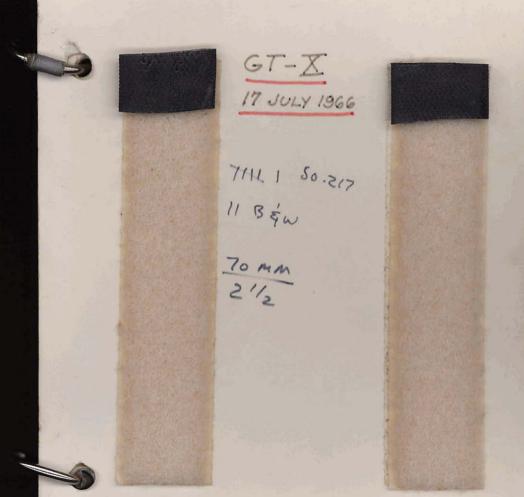
CENTER LIGHT (BRIGHT) SHORTED OUT & PRICES CAME OFF.

*



PART NO	DASH	S/N	S/C	воок	REMARKS
CF55019	- 18	101			EXP/LOG

PRIORITY:	FILM:	51:16 1FPS SOUTH	DOCK
D-5	70 MM MAURER:	51:16 1FPS SOUTH	PRAC
D-10		ATT .	BEND
5-26	B. (IN T-17 POUCH) MSC-8	53:11) ADJ	TEST
5-13	C. (LHAFT BOX) S-5/s-6 2nd & 2rd DRY		S-26
5-12	D.(" ") PASSIVE, EVA, 5-5/5-6	50;30 HACI)	MSC-
S-1	H. EYE POSITION - REENTRY		12
5-5	(CAMERA BOX)		
5-6	1140.544.51.65	51:38:5)	S-5
MSC-6/3	HASSALBLAD:	100.0 FT/SEC (1:57)	D-5
M5C-12	E. (ON CAMERA) U.S. PASS, M = 4, AGENA, S.5	YAW 180° PO° 80 00005	
msc-5	F. (IN BOX) 5-5/5-6	25 9 1000 AFT 8100027	S-6
msc-8	G. (" ") SPARE	RETRO 82 000 20	
			D-10
	I. (T-17 POUCH) EVA	DEPLETE MAIN DAMS	S-1
	16 MM:	250 PSL @ 75 FPS	
	1. LH, M=4, 75 mm, \$0, F.28,00, 1 FRS 2. RH " 18 mm"."		MSC-
	3. LH: DOCK TO SLEEP, 18 MM, F-16, 200, 6 FPS		0
	S. MSC-12		CREV
	6. LH: PASSIVE 7. RN: PASSIVE		GEN
	8. UMBILICAL EVA		- НОТО
	10. FIRST DASS ACROSS STATES- 1 PRS		HEC
William .	11. WASTE BAG JETTISON 12. RETRO & REENTRY		_
	13.		
	14.		
	16.		
	17.] B = W - 5-26 50 , F-2		

- 5) UNDOCK AND TRANSLATE TO 10 FEET AT 1/2 FT/SEC
- 6) ATTITUDE CONTROL PULSE
- 7) RDR ON
- 8) CHANGE 16MM CAMERA SPEED TO ONE FRAME/SEC
- 9) PROCEED WITH S-26 EXPERIMENT
- O) TRANSLATE TO 60 FEET FROM THE AGENA.

DOCK

- 1) IF AGENA RECORDING TIME IS AVAILABLE,
 - A. SEND AGENA CMD 041-(RECORD DATA)
 - B. RDR STBY
- 2) START 16MM CAMERA AT ONE FRAME/SEC
- 3) TRANSLATE TOWARD THE AGENA AT 1/2 FT/SEC
- 4) AT A RANGE OF 25 FEET, START THE 16MM CAMERA AT 6 FRAMES/SEC
- 5) ATTITUDE CONTROL RATE CMD OR DIRECT
- 6) DOCK
- 7) WHEN THE RIGID LT COMES ON:
 - A. RIGID STOP STOP
 - B. OAMS CNTL POWER OFF
 - C. ATTITUDE CONTROL PULSE
 - D. ENGINE ARM
 - E. CHECK SDP ARMED LT ILLUMINATED.
 - F. ENGINE STOP
 - G. CHECK SDP ARMED LT EXTINGUISHED.
 - H. RDR OFF

BEND

5-26

MSC-

S-5

D-5

S-6

D-10

S-1

MSC-

CREW

GEN HOTO

CHECK

OCK	I - COMPUTER - PRE LN		M 3
RAC	8) STOP 16MM CAMERA		
2	9) SEND THE FOLLOWING AGENA COMMANDS:		BEND
5			-
5	030 - T/M OFF 021 - T/M ON		S-26
5	140 - APPROACH LTS OFF 070 - L BAND BEACON OFF		MSC-
5	10) CONFIGURE AGENA SDP AS DESIRED.	AND THE REAL PROPERTY OF THE P	12
5			S-5
ms.			1
ms			D-5
m.			S-6
ms			
199.5			- 0-10
			- S-1
			-
			MSC-
			CREW
			LOG
B			GEN
			НОТО
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Sin.			
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1			-111
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			-

DOCK PRAC	
BEND TEST S-26	CONF AGEN 1. 2. 3.
5000	GEMI 1. 2.
ms ms ms	3. 4. 5.
ms	NOTE
	TIME 19:3 20:1

EXPERIMENT S-26 ION WAKE MEASUREMENT

CONFIGURATION

AGENA SYSTEMS (SEE DOCKING PRACTICE)

. STABILIZATION CONTROL SYSTEM - ON'

- ORIENTATION TDA/FORWARD OR SOUTH.
- 3. TELEMETRY OPERATING.

GEMINI SYSTEMS

1. PLATFORM - ORB RATE, AND ALIGNED.

2. RENDEZVOUS RADAR - OFF WITHIN 20 FT.

NOTE: RADAR ON CLOSER MAY MAKE SENSORS READ FALSE DATA.

- 3. ATTITUDE CONTROL PULSE
- 4. TRI-AXIS MAGNETOMETER ON
- 5. SEQUENCE CAMERA MOUNTED AND PLUGGED IN USING 18MM LENS.

NOTE: LOAD WITH SO217 FOR DAYLIGHT, OR HI SPEED BLACK AND WHITE FOR DARKNESS.

TIMES			MODE
19:30	-	19:45	B
20:10	-	20:25	B
22:11	_	22:21	A

PROCEDURES:

MODE A - LINEAR MAPPING

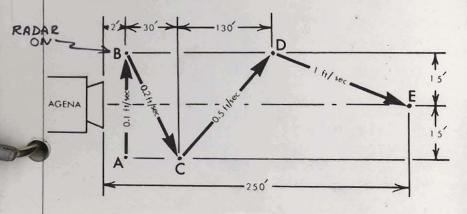
- 1. SEQUENCE CAMERA 1 FRAME/SEC ON VOICE TAPE CONTINUOUS
- VOICE RECORD AND/OR LOG START TIME OF CAMERA AND MAGAZINE NUMBER ON VOICE TAPE AND/OR IN LOG.
- 3. SEND COMMAND 041 TO AGENA (TM AND PCM ON)
- 4. VOICE RECORD AND/OR LOG PCM START TIME.
- FOLLOWING UNDOCKING: (SEE DOCKING PROCE-DURES) SEPARATE AT ABOUT 2 FEET PER

SECOND TO A DISTANCE OF 1000 FEET, HOLDING AGENA IN VIEW.

- 6. SEND COMMAND 030 TO AGENA (PCM AND T/M OFF).
- 7. SEND COMMAND 021 TO AGENA (T/M ON).
- 8. SEQUENCE CAMERA OFF
- 9. DUMP AGENA PCM OVER STATION.

MODE B - TRANSVERSE MAPPING

- 1. SEQUENCE CAMERA 1 FRAME/SEC ON
- VOICE RECORD AND/OR LOG STARTING TIME OF CAMERA.
- 3. SEND COMMAND 041 TO AGENA (TM AND PCM ON) S-6
- 4. VOICE RECORD AND/OR LOG AGENA PCM START TIME.
- 5. HOLDING S/C AT 0,180,0 AS WELL AS POSSIBLE, MAP THE WAKE AS PER SKETCH AND DETAILS BELOW.



A. UNDOCK, STATION KEEP AT 1 TO 30 FT. SEPARATION FOR 15 TO 20 SEC. MINIMIZE THRUSTER FIRING.

MSC→ 12

S-5

D-5

CC

-

D-10

S-1

MSC-

CREW LOG

GEN HOTO CHECK

RAC	В.	MANEUVER TO 2 FT AHEAD OF AND 15 FT BELOW THE AGENA, TO POINT A.	
BEND TEST		HOLDING 2 FT SEPARATION, TRANSLATE UPWARDS 30 FT TO POINT B. RATE SHOULD BE ABOUT 0.1 FT/SEC.	
S-26	E.D.	TRANSLATE OUT 30 FT AND DOWN 30 FT TO POINT C. RATE SHOULD BE ABOUT 0.2 FT/SEC.	MSC-
5 5	D.E.	AT AN ESTIMATED 20 TO 25 FT SEPARATION TURN ON L BAND RADAR. VOICE RECORD AND/OR LOG RADAR ON TIME.	12 - S-5
MS	F.	TRANSLATE OUT 130 FT AND UP 30 FT TO POINT D. RATE SHOULD BE ABOUT 0.5 FT/SEC.	D-5
ms ms	G.	TRANSLATE DOWN AND OUT TO 250 FT SEPARATION. RATE SHOULD BE ABOUT 0.1 FT/SEC.	S-6
	6. SENI	COMMAND 030 TO AGENA (TM AND PCM). VOICE RECORD AND/OR LOG OFF TIME.	D-10
	7. SENI	COMMAND 021 TO AGENA (TM ON).	_ S-1
	8. SEQUAND,	JENCE CAMERA - OFF. VOICE RECORD OR LOG OFF TIME OF CAMERA.	MSC-
	9. CONT	INUE WITH DOCKING PRACTICE.	CREW
1	10. DUMP	AGENA PCM OVER STATION.	LOG
		GENA PCM IS LIMITED TO 20 MIN	GEN HOTO
		O MIN FOR SUBSEQUENT DUMP.	CHECK
		The second secon	
		The same of the sa	
		The second secon	
			13

DOCK PRAC

EXPERIMENT MSC-12 LANDMARK CONTRAST

BEND CONFIGURATION

TEST 1. UNDOCKED

S-26 2. PHOTOMETER UNSTOWED AND CONNECTED TO AUX RECP AND TM JACK.

MSC-3.

3. PHOTOMETER DAY NIGHT SWITCH - DAY.

4. FILTER - IN PLACE.

5. GAIN WHEEL - LEFT (DOWN).

6. S/C RETICLE IN WINDOW.

7. ATTITUDE CONTROL - PULSE

 SEQUENCE CAMERA WITH 75MM LENS MOUNTED IN RIGHT WINDOW BRACKET.

TIMES(?)		MODE	SEQ
25:35 -		A	11 HAWAII
25:45 -	25:55	A	OI BAJA
25:55 -	26:00	ECRUIS	XXCLOUDS
27:15 -	27:25	A	11 HAWRII
27:25 -		ECAUB	XXCLOUDS
41:05 -	41:45	A	08 MED

CONDITIONS REQUIRED

1. SUN ANGLE AT LEAST 30 DEG ABOVE HORIZON.

2. AREA SCANNED DIRECTLY ON TRACK.

3. S/C RIGHT WINDOW SHADED FROM SUN GLARE.

NOTE: DO NOT EXPOSE SENSOR TO DIRECT SUNLIGHT.

PROCEDURES

MODE A - BOUNDARY OBSERVATIONS

- 1. ROLL TO HEADS DOWN, YAW O DEG, PITCH 25 DEG DOWN.
- ALIGN S/C ON LAND-SEA INTERFACE ON GROUND TRACK.
- 3. ACTUATE CAMERA AT 1 FRAME/SEC
- 4. CALIBRATION:
 - A. ALIGN PHOTOMETER ON LAND.
 - B. DEPRESS CALIBRATE BUTTON.
 - C. ROTATE GAIN WHEEL UNTIL COLOR CHANGES (RED TO GREEN FLUCTUATING).
 - D. RELEASE CALIBRATION BUTTON.
- BRIGHTNESS MEASUREMENT:

ALIGN PHOTOMETER ON LAND FOR 4 SEC THEN ON WATER FOR 2 SEC

- 6. POLARIZATION CHECK:
 - A. DEPRESS CALIBRATE BUTTON FOR 1 SEC.
 - B. ROTATE PHOTOMETER 90 DEG ABOUT OPTICAL AXIS.
 - C. ALIGN PHOTOMETER ON LAND FOR 4 SEC THEN ON WATER FOR 2 SEC
- CONTINUE WITH AS MANY BRIGHTNESS MEASURE-MENTS AS POSSIBLE.
- 8. AFTER TASK:
 - A. CAMERA OFF
 - B. COVER SENSOR FOR 10 SEC. TO GET "DARK" READINGS-SETTINGS UNCHANGED FROM PREVIOUS OPERATION.

5-5

D-5

6-6

D-10

S-1

MSC-

CREW LOG

GEN PHOTO

CHECK

C. VOICE RECORD TIME, AREA, AND COMMENTS ON VISUAL CONTRAST, LANDMARK COLORA- TION, CLOUD COVER, WINDOW GLARE, ETC.				MSC-12	
MODE B - DAYLIGHT LUNAR CALIBRATION		GET	SEQ NO.	REMARKS	
S-26 1. PHOTOMETER SETTINGS SAME AS ON PRIOR BOUNDARY OBSERVATION.					M
MSC- 2. ALIGN S/C AND PHOTOMETER ON MOON FOR ABOUT 30 SEC OF MEASUREMENTS.	A STATE OF THE PARTY OF THE PAR				
MODE C - NIGHT LUNAR CALIBRATION					S-5
SAME PROCEDURE AS MODE B.		1.			D-5
MODE D - PLANETARY CALIBRATION		2			
SAME AS MODE B, BUT DO AT NIGHT WITH DAY FILTER STOWED USING PLANET SUCH AS VENUS.					S-6
MODE E - CLOUD DECK CALIBRATION					D-10
SAME AS MODE B, BUT USE A CLOUD DECK AS THE CALIBRATION SOURCE.		3 / 1			S-1
NOTE: MAXIMUM OF 2 CALIBRATIONS REQUIRED.					MS C -
SEQUENCES - TO BE USED FOR GROUND UPDATES			7075		6
01. BAJA CALIFORNIA COAST 02. TEXAS COAST					CREV
03. WEST COAST OF FLA. 04. EAST COAST OF FLORIDA					GEN
05. WEST COAST OF SOUTH AMERICA 06. N. E. COAST OF SOUTH AMERICA					НОТО
07. WEST COAST OF AFRICA 08. MEDITERRANEAN COAST OF AFRICA					CHEC
09. RED SEA COASTS 10. PERSIAN GULF COAST OF ARABIA	100				
T1. COASTS OF ISLAND OF HAWAII	220				
	-				
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DOCK	SYNOPTIC TERRAIN PHOTOGRAPHY		S-5 8	§ S-6				
BEND	CONFIGURATION	TIME TO NEAREST SEC	SEQ OR SUBJECT	MODE	MAG	FRAME	REMARKS	
TEST		1.0						
S-26	2. UNSTOW A. 70MM MAURER CAMERA							
MSC-	B. RINGSIGHT C. FILM MAGAZINE D. 80MM LENS.							
S-5	TIME MODE SEQ							
	25:50 - 26:00							D-5
	PROCEDURES				150			
	1. ASSEMBLE CAMERA, LENS, ETC.				4.4			S-6
ms ms	2. VOICE RECORD AND/OR LOG GET, SEQ, MODE, MAGAZINE NUMBER AND FRAME NUMBER.							D-10
	3. PITCH S/C STRAIGHT DOWN, IF POSSIBLE, TO GET PHOTOGRAPHS.							S-1
A	4. CONTROL ROLL TO KEEP SUN GLARE OFF WINDOW.							MSC-
	MODE A - STRIP PHOTOGRAPHY - 1 FRAME EVERY 5 SEC.						4	CREW LOG
	SEQ 01. RED SEA - ARABIAN PENINSULA SEQ 02. CENTRAL MEXICO - BAJA CALIFORNIA SEQ 03. WEST PAKISTAN						ž.	GEN HOTO
	SEQ 04. SAHARA DESERT SEQ 05. N. W. SOUTH AMERICA							VOX
1	MODE B - PAIRS OF EXPOSURES							JII L GN
	SEQ 06. MISSISSIPPI DELTA TO BLUE WATER SEQ 07. GANGES DELTA TO BLUE WATER SEQ 08. TONGUE OF THE OCEAN - BAHAMAS SEQ 09. PHILLIPPINES AND ADJACENT WATERS. SEQ 10. MEKONG ALLUVIUM TO BLUE WATER.							

EXPERIMENT D-5 DOCK STAR OCCULTATION NAVIGATION PRAC CONFIGURATION BEND TEST 1. UNDOCKED. S-26 2. AUX RECP - OFF 3. PHOTOMETER UNSTOWED AND CONNECTED TO MSC-AUX RECP AND TM JACK. 12 NOTE: KEEP SENSOR COVERED BEFORE SUNSET 5-5 FILTER - STOWED POSITION. D-5 5. GAIN WHEEL - LEFT (DOWN) 6. S/C RETICLE - INSTALLED M. 7. DAY-NIGHT SWITCH - NIGHT 8. ATTITUDE CONTROL - PULSE 9. CABIN LIGHTS - DIM TIMES - GET UPDATED SUNSET TIMES MODE 26:07 - 26:43 27:40 - 28:16 ______ A____ 29:12 - 29:48 41:29 - 42:05 PROCEDURES MODE A 1. ALIGN S/C BEF.

2. ACQUIRE BRIGHT STAR ABOUT TO BE OCCULTED

4. POINT PHOTOMETER AT STAR, ALIGN STAR IN

INSTRUMENT RETICLE CIRCLE.

3. AUX RECP - ON

- 5. DEPRESS CALIBRATE BUTTON.
- 6. TURN GAIN WHEEL UP UNTIL RETICLE COLOR CHANGES (RED TO GREEN FLUCTUATING).
- 7. RELEASE CALIBRATE BUTTON.
- 8. CONTINUE TO TRACK STAR UNTIL IT DIS-APPEARS.
- 9. ACQUIRE NEXT STAR IN SEQUENCE AND REPEAT STEPS 4 THRU 8.
- 10. VOICE RECORD OR ENTER IN LOG THE TIME, VARIATIONS FROM SUGGESTED SEQUENCE AND COMMENTS.

MODE B

SAME AS MODE A, EXCEPT: AFTER CALIBRATION ON STAR, POINT PHOTOMETER SO THAT STAR IS OUTSIDE RETICLE CIRCLE TO THE SIDE.CONTINUE TO TRACK STAR UNTIL IT IS OCCULTED.

5-1

MSC-

CREW

LOG

BEN

HECK

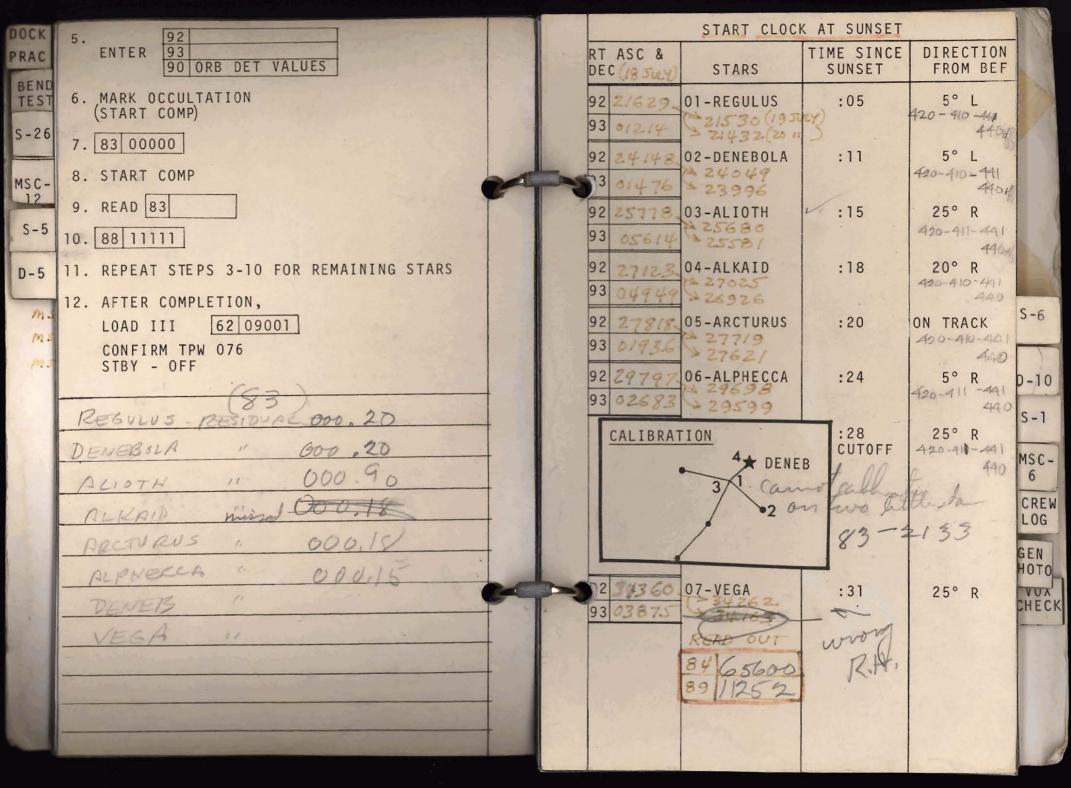
NOTE: RETICLE LIGHT WILL REMAIN RED.

MODE C

SAME AS MODE A, EXCEPT: DEPRESS CALIBRATE BUTTON BRIEFLY WHEN THE STAR IS AT THE TOP AND BOTTOM OF THE AIRGLOW AND AS IT VANISHES FROM VIEW.

MODE D

- 1. RECEIVE DCS VECTOR
- 2. LOAD VI 62 09001 CONFIRM TPW 120 STBY-OFF
- 3. COMP-ORB DET
- 4. START COMP



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OCK							
RAC			D-5 MODE D				
BEND TEST	STAR	RUN	G.E.T.	ADD 83	-		
TEST							
5-26							1/1
			*				
MSC-						~	
S-5		35					
D-5							
mi							5-6
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EXPERIMENT S-6 DOCK SYNOPTIC WEATHER PHOTOGRAPHY PRAC CONDITIONS BEND TEST BETWEEN 10 MIN AND 45 MIN AFTER SUNRISE S-26 CONFIGURATION 1. ATTITUDE CONTROL - PULSE MSC-12 2. UNSTOW: A. 70MM MAURER CAMERA 5-5 B. RINGSIGHT C. 80MM LENS. D. FILM MAGAZINE. D-5 26:50-27:15 TIMES 28:50 - 29:00 28:25-28:35 30:00 - 30:40 PROCEDURES 1. ASSEMBLE CAMERA, LENS, ETC. 2. CONTROL ATTITUDE TO OBTAIN PHOTOGRAPHS OF SELECTED CLOUD FORMATIONS. 3. VOICE RECORD AND/OR LOG GET, SEQ. AND SIGNIFICANT OBSERVATIONS. NOTE: A. CONTROL ROLL TO KEEP GLARE OFF WINDOW B. PHOTOGRAPH SAME FORMATION ON SUCCESSIVE ORBITS, IF POSSIBLE. C. CLOUDS OVER LAND ARE PREFERRED IN ORDER TO IDENTIFY LOCATION.

SEQUENCES - TO BE USED FOR GROUND UPDATES O1. CLOUD EDDIES NEAR ISLANDS AND COASTS. DIURNAL CLOUD VARIATIONS IN COASTAL AND ISLAND AREAS. CUMULUS CLOUD "STREETS". SUNGLINT IN GULF OF MEX., BAHAMAS AREA. SEVERE THUNDERSTORMS. 06. THUNDERSTORMS WITH STRONG WIND SHEAR. 07. TROPICAL AND EXTRA TROPICAL CYCLONES. 08. CIRRUS BAND EMANATING FROM TROPICAL CONVERGENCE ZONE. AREAS OF INTEREST TO OCEANOGRAPHERS. 09. PICTURES NEAR METEOROLOGICAL SOUNDING b - 10STATIONS. 5-1 A. GUAM H. ENIWETOK B. MIDWAY I. KWAJALEIN C. WAKE J. KEY WEST MSC-D. MARCUS IS. K. SWAN ISLAND 6 E. JOHNSTON IS. L. ASCENSION F. KAUAI M. WEST INDIES CREW G. HAWAII LOG GEN HOTO VOX CHECK

OCK		S-5 8	§ S-6				199			S-5	& S-6				
END:	TIME TO NEAREST SEC	SEQ OR SUBJECT	MODE	MAG	FRAME	REMARKS			TIME TO NEAREST SEC	SEQ OR SUBJECT	MODE	MAG	FRAME	REMARKS	
-26															1
SC- 12								1							
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															CREW
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EXPERIMENT D-10 ION SENSING ATTITUDE CONTROL DOCK PRAC SPACECRAFT SYSTEMS CONFIGURATION UNDOCKED BENI AGENA POWER C/B - ENGAGED TEST OTHER SYSTEMS ARE DEPENDENT ON PARTICULAR SEQUENCES. 5-26 NOTE: TO BE COMPLETED WITH NO FIRING OF VERTICAL AND LATERAL THRUSTERS. MSC-TIMES MODE 12 51:10 52:55 - 53:05 5-5 53:05 - 53:45 D-5 63:00 - 64:52 64:52 - 65:.12 5-6 65:12 - 65:20 65:20 - 66:00 D-10 66:00 PROCEDURES MODE A - EQUIPMENT EXTENSION AND ACTIVATION 1. BUS ARM SWITCH - EXP 2. ION SENSOR SEQ. SWITCH - SEQ. 1 3. WAIT 1 TO 2 MINUTES FOR BOOMS TO FULLY EXTEND. 4. (ION SENSOR MODE SWITCH - ON NOTE: MUST REMAIN ON OR FDI UNTIL COMPLETION OF EXP 5. FION SENSOR SEQ. SWITCH - SEQ. 2. 6. BUS ARM SWITCH - SAFE

MODE B - AMBIENT DATA ACQUISITION

- 1. PLATFORM ORB RATE AND ALIGNED.
- 2. COMPUTER PRELAUNCH
- 3. ATTITUDE CONTROL PLAT
- ION SENSOR MODE SWITCH FDI
- 5. FDI RANGE SELECTORS HIGH SCALE
- 6. HOLD SPACECRAFT ATTITUDE AT ZERO IN ALL AXES FOR 10 MINUTES.

MODE C - ROLL ATTITUDE STUDY

- 1. PLATFORM ORB RATE AND ALIGNED.
- 2. COMPUTER PRELAUNCH
- 3. ATTITUDE CONTROL PULSE.
- ION SENSOR MODE SWITCH FDI
- 5. FDI SCALES HIGH
- 6. ROLL 720 DEGREES AT ABOUT 3 DEG. PER SECOND, HOLDING PITCH AND YAW TO ZERO. 6
- 7. VOICE RECORD CREW COMMENTARY ABOUT FDI CREW NEEDLE MOVEMENTS.

MODE D - PITCH ATTITUDE STUDY

- 1. PLATFORM ORB RATE AND ALIGNED.
- 2. COMPUTER PRELAUNCH
- 3. ATTITUDE CONTROL PULSE
- 4. ION SENSOR MODE SWITCH FDI
- 5. FDI SCALES HIGH

5-1

MSC-

LOG

GEN HOTO

VOX CHECK 5-26

5-5

- 6. HOLDING BOTH YAW AND ROLL TO ZERO DEGREES, PITCH FROM 20 DEG. DOWN TO 40 DEG. UP AT ≈0.1 DEG. PER SECOND.
- 7. HOLDING YAW AT 5 DEG. LEFT AND ROLL TO ZERO, PITCH FROM 40 DEG. UP TO 20 DEG. DOWN AT ≈0.1 DEG. PER SECOND.
- 8. HOLDING YAW AT 5 DEG. RIGHT AND ROLL TO ZERO, PITCH FROM 20 DEG. DOWN TO 20 DEG. UP AT ≈0.1 DEG. PER SECOND.
- 9. VOICE RECORD CREW COMMENTARY ABOUT FDI NEEDLE MOVEMENTS.

MODE E - YAW ATTITUDE STUDY

- 1. PLATFORM ORB RATE AND ALIGNED.
- 2. COMPUTER PRELAUNCH
- 3. ATTITUDE CONTROL PULSE
- 4. ION SENSOR MODE SWITCH FDI
- 5. FDI SCALES HIGH
- 6. HOLDING BOTH PITCH AND ROLL TO ZERO DEGREES, YAW FROM 20 DEG. RIGHT TO 40 DEG. LEFT AT 0.1 DEG. PER SECOND.
- 7. HOLDING PITCH AT 5 DEG. DOWN AND ROLL TO ZERO, YAW FROM 40 DEG. LEFT TO 20 DEG. RIGHT AT ≈0.1 PER SECOND.
- 8. HOLDING PITCH AT 5 DEG. UP AND ROLL TO ZERO, YAW FROM 20 DEG. LEFT TO 20 DEG. RIGHT AT ≈0.1 DEG. PER SECOND.
- 9. VOICE RECORD CREW COMMENTARY ABOUT FDI NEEDLE MOVEMENTS.

MODE F - PHOTO EMISSION EFFECTS

- 1. PLATFORM ORB RATE AND ALIGNED.
- 2. COMPUTER PRELAUNCH

- 3. ATTITUDE CONTROL PLAT
- 4. ION SENSOR MODE SWITCH FDI
- 5. FDI SCALES HIGH
- 6. HOLD SPACECRAFT ATTITUDE AT ZERO ABOUT ALL THREE AXES FROM 5 MIN. BEFORE SUNRISE TO 15 MIN. AFTER SUNRISE.
- 7. VOICE RECORD CREW COMMENTARY ON FDI NEEDLE MOVEMENTS.

MODE G - RANDOM DATA ACCUMULATION

- 1. ION SENSOR MODE SWITCH ON
- 2. AT LEAST 6 HOURS OF DATA ACQUISITION IS REQUESTED. DRIFTING FLIGHT IS PREFERRED.

MODE H - TRANSLATION THRUSTER EFFECTS

- 1. PLATFORM ORB RATE AND ALIGNED.
- 2 COMPUTER NAV (CTCH UP) ENTER 25:00000, 26:00000, 27:00000
- 3. ATTITUDE CONTROL PULSE
- 4. ION SENSOR MODE SWITCH FDI
- 5. FDI SCALES HIGH START COMP - PUSH
- 6. HOLDING PITCH AND YAW AT ZERO DEG., FIRE L/R, U/D THRUSTERS BRIEFLY.
- 7. READ ADD 80
- 8. TRANSLATE AFT TO NULL ADD 80≥0.2 FT/SEC.
- 9. VOICE RECORD CREW COMMENTARY ON FDI NEEDLE MOVEMENTS.

NOTE: THRUSTER FIRINGS WILL PROBABLY DESTROY SENSORS.

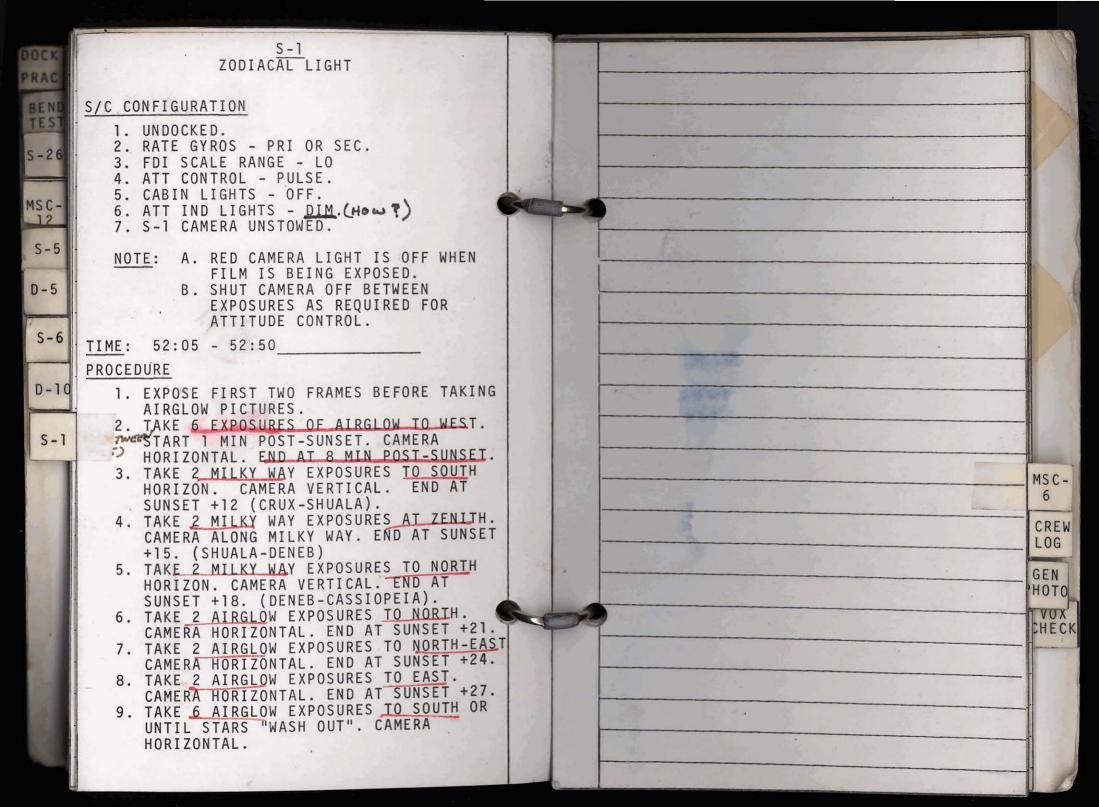
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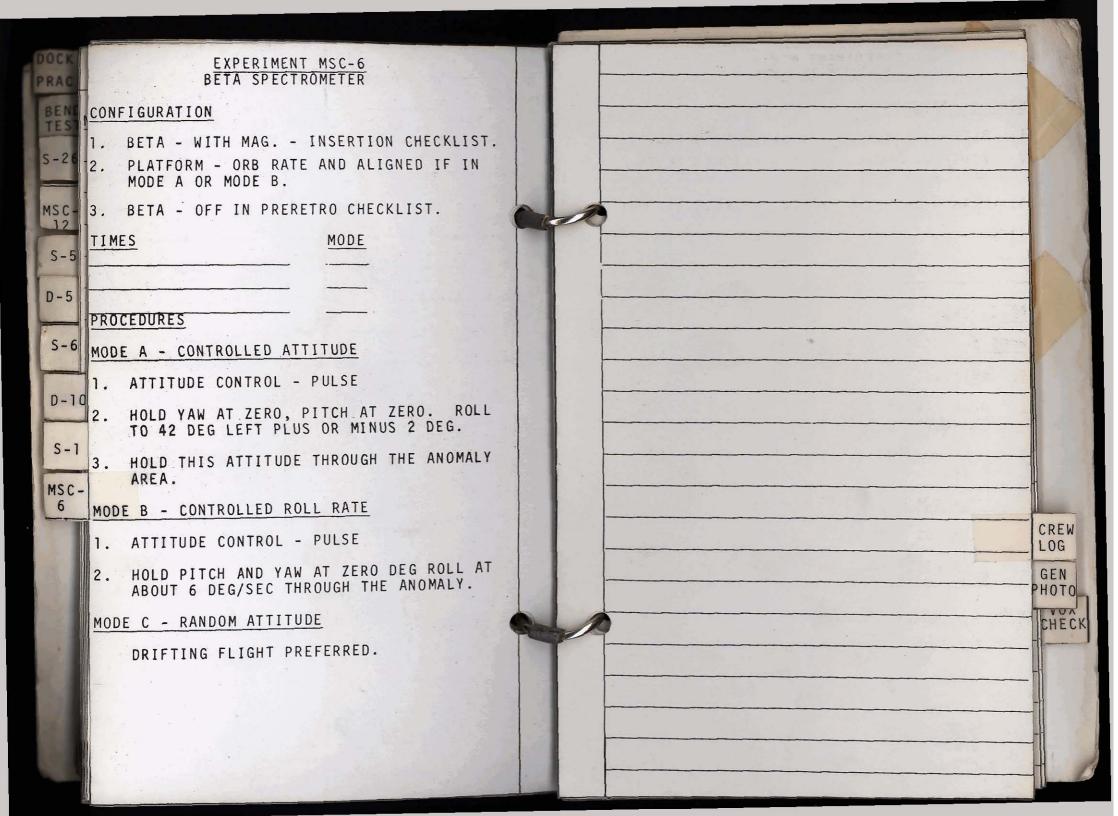
MSC-

CREW

GEN HOTO VOX CHECK

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BEND					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
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17		CREW LOG	- 1/4
OCK		CREW LOG	
RAC	TIME	REMARKS	
BEND TEST	- 't=		
			-10%
S-26			-10
120			
1SC- 12			
S-5			
D-5			
6 6			-11/2
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D-10-			
D-19			
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MSC-			
CREW			
LOG			-1
			GEN PHOTO
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VOX CHECK WITH HELMETS (FACE PLATE CLOSED).

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CHECK

1. USING PTT VERIFY THAT KEYING OF THE UHF T/R CAN BE HEARD IN THE HEADSETS.

A. TURN DOWN THE INT AND HE VOLUME CONTROLS AND UHF SOUELCH CONTROL AS REQUIRED UNTIL KEYING IS HEARD IN THE HEADSET.

2. SELECT A UHF TRANSMITTER ON BOTH MODE SWITCHES AND PLACE THE KEYING SWITCH TO VOX. VERIFY MIKES ARE APPROXI-MATELY 3/4" FROM THE CORNERS OF THE MOUTH.

3. PERFORM A UHF COMM CHECK USING VOX AND NOTE UHF T/R KEYING AS HEARD IN THE HEADSET. LISTEN PARTICULARLY FOR LOSS OF WORDS DUE TO DROPOUTS OR EXCESSIVE KEYING FROM BREATH NOISE AND OTHER S/C NOISE. USE TEST COUNT OF NUMBERS THIRTY THRU FORTY RATHER THAN ONE THRU 10 AND USE VOX IN NORMAL FLIGHT FOR APPROXIMATELY ONE ORBIT IF POSSIBLE.

VOX ADJUSTMENT IF REQUIRED

4. IF WORDS ARE LOST IN THE TRANSMISSION DUE TO DROPOUTS INCREASE THE VOX SENSITIVITY OF THE AFFECTED CREWMAN BY TURNING HIS VOX ADJUSTMENT CLOCK-WISE.

5. IF THE TRANSMITTER KEYS EXCESSIVELY FROM BREATH NOISE OR OTHER S/C NOISES.

A. PLACE DESIRED MODE SW TO UHF AND THE OTHER MODE SW TO INT.

B. ADJUST VOX FOR MODE SW IN UHF FOR PROPER OPERATION.

C. REVERSE MODE SWITCH POSITIONS AND ADJUST THE OTHER VOX.

D. PLACE BOTH MODE SWITCHES TO UHF AND VERIFY PROPER OPERATION.

NOTE: TESTING INDICATES THAT THE VOX ADJUSTMENT FROM TOO SENSITIVE TO NOT SENSITIVE ENOUGH IS APPROXI MATELY 70°.

FÉDÉRATION AÉRONAUTIQUE INTERNATIONALE

Sporting License-Issued By NATIONAL AERONAUTIC ASSOCIATION, U.S.A.

No. 223-66 Valid thru Dec. 31, 1966....

Issued toMichael Collins, MAJ. Date of birth31 October 1930

Place of birtiRome, Italy

Home address 18503 Barbuda lane

Houston, Texas

Signature of holder

Sporting Committee

