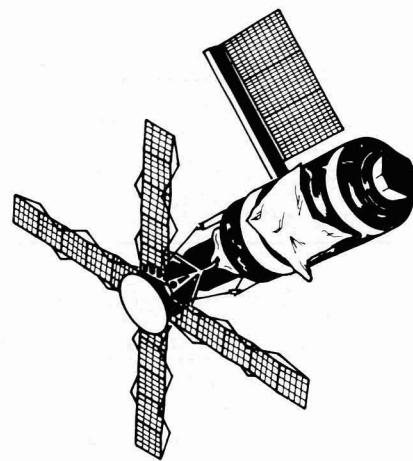
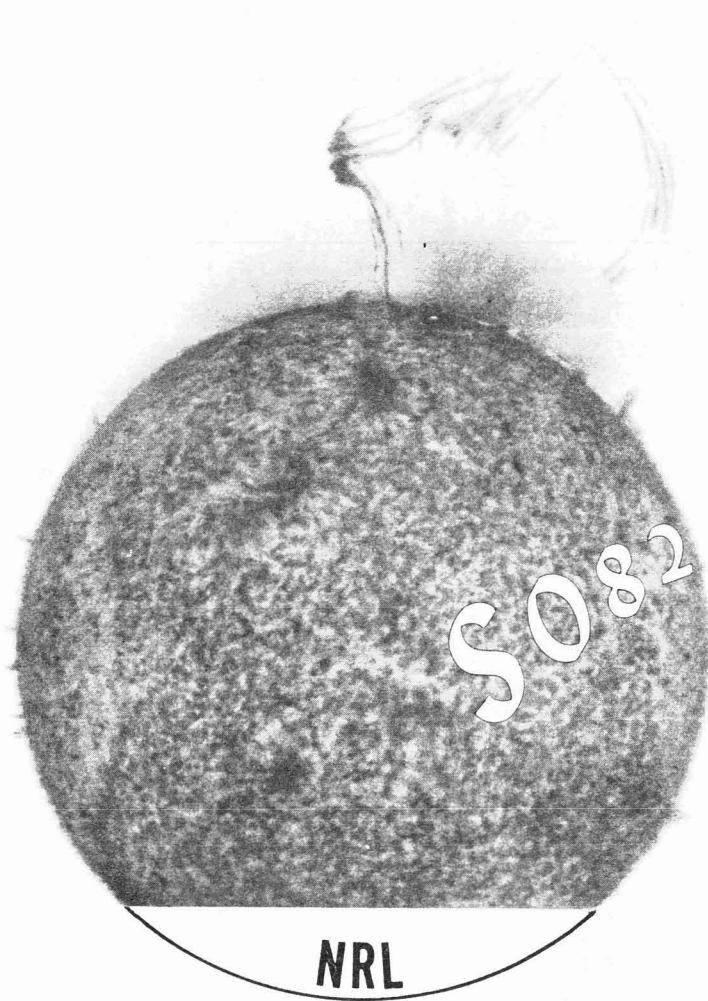


"B" Data Room

NRL / ATM

MISSION ENGINEERING DATA



Volume II

SO82B SPECTROGRAPH  
EXPOSURES 2B-301-1  
THROUGH 2B-501-1

PREPARED FOR  
UNITED STATES NAVAL RESEARCH LABORATORY  
WASHINGTON, D.C.



BALL BROTHERS RESEARCH CORPORATION  
SUBSIDIARY OF BALL CORPORATION  
BOULDER, COLORADO

**A HUGE ERUPTION FROM THE SURFACE OF THE SUN SEEN  
IN THE LIGHT OF HE II AT 304Å  
9 AUGUST 1973**

This photograph, obtained during the Skylab 3 Mission, reveals for the first time that helium erupting from the sun can stay together to altitudes up to 500,000 miles. After being ejected from the sun, the gas clouds seem to have come to a standstill, as though blocked by an unseen wall, and some material appears to have been directed back toward the sun as rain, distinguished by fine threads. At present it is a challenge to explain this mystery — what forces expelled these huge clouds, then blocked its further progress, yet allowed the cloud to maintain its threads. Both magnetic fields and gravity must play a part, but these curious forms seem to defy explanation based on magnetic and gravitational fields alone.

The instrument which produced this image was an extreme ultraviolet spectroheliograph, designed and constructed by the Naval Research Laboratory and the Ball Brothers Research Corporation under the direction of Dr. R. Tousey, the Principal Investigator for this NASA experiment. To the left may be seen the sun's image in emission from iron atoms which have lost 14 electrons by collision in the sun's million-degree coronal plasma gas.



VOLUME II  
ENGINEERING DATA - MSFC

NRL/ATM  
MISSION ENGINEERING DATA  
FOR  
S082B SPECTROGRAPH

Contract No. N00014-67-C-0470  
Contract Modification P00055



This portion of the Mission Engineering Data Book was originated at MSFC from the telemetered data during the Skylab Missions. The shutter open and shutter close times were GMT corrected and superimposed on this data and the exposure time was computed from these times. In addition, all other ATM instruments operating while S082B was recording scientific data are noted. Also included are pointing information and certain selected orbital or ephemeris data. This data is in the form of a computer printout and is recorded on magnetic tape.

The telemetry system was noisy during the mission and often data was missing from the printouts (dropouts). The telemetry noise caused many false exposure data to appear on the telemetry, while the dropouts caused exposure data lines to be missing. Consequently it was necessary to correct these engineering data using several other sources of information through time correlation.

The corrected EDB (MSFC) has been coordinated with data from the diode array, MSFC quick look data (AUTO SCAN), MSFC and JSC console logs, MSFC Data Book Six, and the JSC EDB. The corrected roll information as provided by IBM under contract with MSFC has been incorporated into the computer tabulations.

The initial IBM issue of these reconstructed values was based on 1950 Ephemeris Data. Additional information provided by IBM updated these values to the 1973 Ephemeris Data. These delta corrections have been incorporated into the computer tabulations.

The roll values contained in this book are accurate to within 3 arc minutes of the IBM values.

S082B EDB PRINTOUT INDEX

OPEN	Complete Greenwich Mean-time when shutter was opened (Column A).
CLOSE	Greenwich Mean-time in minutes, seconds, and milliseconds when shutter was closed (Column B).
EXPOSURE TIME	Difference between shutter OPEN and CLOSE time (Column C).
FRAME COUNT	The film strip number as assigned by NRL (Column D).
WVL	Wavelength - Predisperser wavelength position during exposure - 'L' is Long Wavelength; 'S' is Short Wavelength (Column E); 'X' is between positions.
STATE (PRS)	Operating mode of PRS - 'BORE' is Boresight (WL Display), 'LMB SC' is Limb Scan, and 'LMB PT' is Limb Point (Column F).
MODE	Operating Mode of Instrument "AUTO" is Auto Mode; 'AUTO S' is Auto Step Mode; 'FLARE' is Flare Mode; 'MAN' is Manual or Time Mode (Column G).
OP EXP	Operating Experiments - A number in the respective columns indicates the experiment was operating while the shutter was OPEN, 'X' indicates the Instrument, assigned to that column, was not operating. The columns are assigned as follows: Col H is S-052; Col I is S-054; Col J is S-055; Col K contains operating Modes of the S-055 experiments, 'ML' is Line Mirror Mode, 'M3' is 3 Raster Mirror Mode,

S082B EDB PRINTOUT INDEX  
Page 2

OP EXP (Cont)	'MA' is Auto Mirror Mode, 'GA' is Grating Advance Single Step Mode, 'GS' is Grating Scan Mode, 'G3' is 3 Grating Scan Modes, 'GR' is Grating Reference Mode, a void indicates no mode, BT23 indicates mode unknown; Col L is S-056; Col M is S082A; and Col N is H $\alpha$ 1.
TEMP	Temperature of Instrument - Provide quick check of instrument temperatures when shutter is opened (OP-Column O) and closed (CL-Column P). 'OK' will be printed in the 'OP' Column when: 1) the absolute temperature of the instrument and the XUV Monitor are $70 \pm 2.5^{\circ}\text{F}$ ; 2) the absolute temperature of the slit (top and bottom) and the mirror mount are $73 \pm 5.0^{\circ}\text{F}$ ; 3) the vertical differential temperatures (lid-base) are $0 \pm 1.3^{\circ}\text{F}$ ; and 4) the horizontal differential temperatures (side-side) are $0 \pm 2.5^{\circ}\text{F}$ .  If any of the temperatures are not within the above described limits, an 'X' will be printed in the 'OP' column.  If the above measured temperatures vary during the time the shutter OPEN by less than: 1) $\pm 1.0^{\circ}\text{F}$ for all absolute temperatures; 2) $\pm 4.5^{\circ}\text{F}$ for the slit and the Mirror Mount; 3) $\pm 1.0^{\circ}\text{F}$ for the vertical differential temperatures; and 4) $\pm 0.32^{\circ}\text{F}$ for horizontal differential temperatures. 'OK' is printed in the TEMP 'CL' column. If these requirements are not met, 'X' is printed in the TEMP 'CL' column.

S082B EDB PRINTOUT INDEX  
Page 3

EPC POINT	Experiment Pointing Control - 'GAMRR', 'GAMX' and 'GAMY' Point Positions are printed in the respective columns Q, R and S.
MAX PT. EXC.	Maximum Pointing Excursion - The maximum deviation of the Point Control during the Shutter OPEN period is printed in columns T, U and V.
LIMB-OFF	LIMB OFFSET - The PRS pointing position is printed in column W, and the maximum excursion during the shutter OPEN period is printed in Column X.
NRL BIAS	The alignment bias values for S082B are printed at shutter OPEN and CLOSE.
ANGLE	Beta (Column Y) is the minimum angle ( $\beta$ , Fig. II-1) from sun-earth line to Skylab orbital plane, and 'Z' (Column Z) is the minimum angle ( $\alpha$ , Fig. II-2) between Skylab-sun line and nearest forward earth horizon as measured in the vertical plane. Both angles were printed when shutter opened.
ALTITUDE	The altitude (A, Fig. II-2) of the Skylab in kilometers when shutter was opened (Column AA).
Zm	The distance of the viewing line from earth ( $Z_M$ , Fig. II-2) in kilometers when the shutter was opened (Column BB).
	$Z_M = (6378 + A) \cosine Z - 6378$
	Where Z is from Column Z and A is from Column AA.
	NOTE: $Z_M$ is meaningful only for values of Z between 0 and -1290 arc minutes.

S082B EDB PRINTOUT INDEX  
Page 4

ORBIT NO.	Orbit Number (Column CC).
-----------	---------------------------



620-247  
Volume II

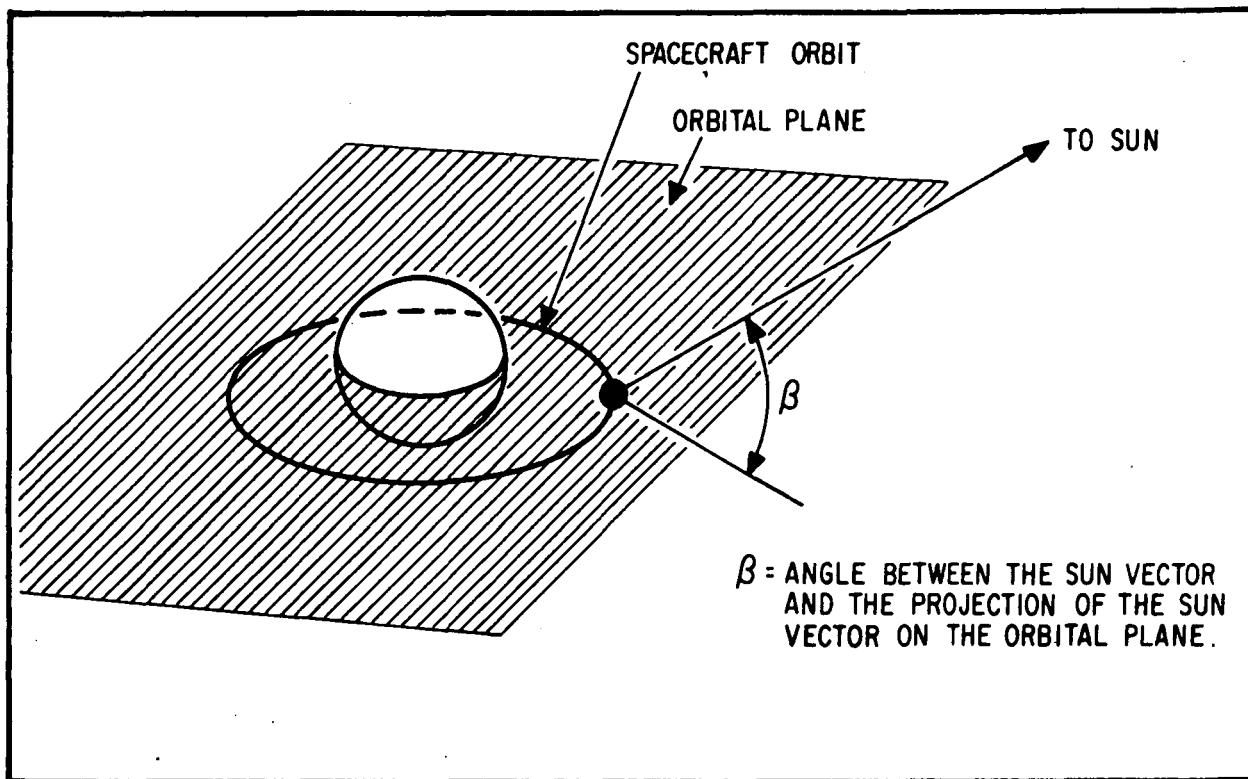


Figure II-1 Beta Angle

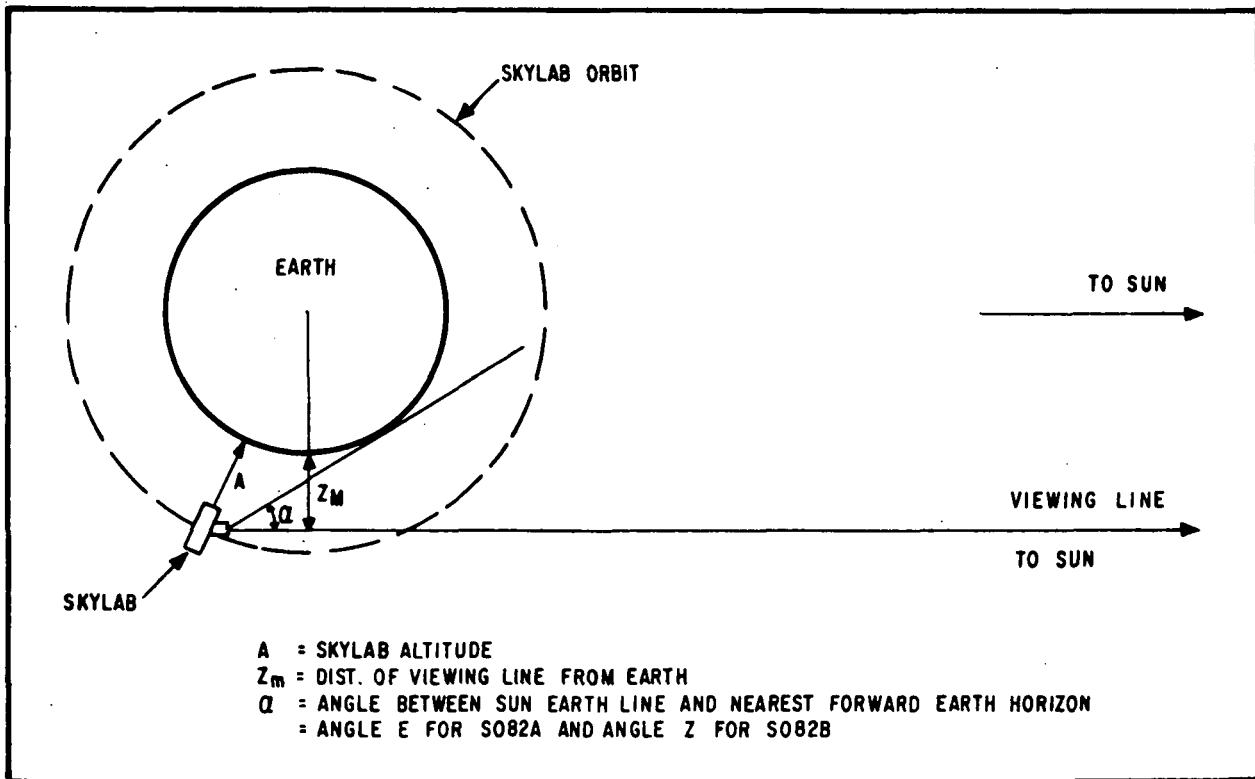


Figure II-2 Extinction Parameters



620-247  
Volume II

ENGINEERING DATA - MSFC  
(Computer Pages 249-408)

S082B-EUB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 82

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP				TEMP					
OPEN	CLOSE	TIME	-G-						OP EXP				OP	CL	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
236:19:29:43:824	29:45: 74	0: 2:250	28301-1	L		MAN	X	X	5		X	X	X	X	OK
237: 0: 2:47: 8	2:47:598	0: 0:500	28301-2	L		AUTO	X	4	5	MA	6	X	H1	OK	OK
237: 0: 2:49: 8	2:51:758	0: 2:750	28301-3	S		AUTO	X	4	5	MA	6	X	H1	OK	OK
237: 0: 2:53:258	2:54:758	0: 1:500	28301-4	L		AUTO	X	4	5	MA	6	X	H1	OK	OK
237: 0: 2:56:258	3: 6:508	0:10:250	28301-5	S		AUTO	X	4	5	MA	6	X	H1	OK	OK
237: 0: 3: 8:258	3:13:258	0: 5: 0	28301-6	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
237: 0: 3:15: 8	3:55:258	0:40:250	28301-7	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
237: 0: 3:56:758	4:16:758	0:23: 0	28301-8	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
237: 0: 4:20:258	7: 0:598	2:40:250	28302-1	S		AUTO	X	4	5	MA	6	X	H1	OK	OK
237: 0:16:26: 8	16:28:758	0: 2:750	28302-2	S		AUTO	X	4	5	MA	6	X	H1	OK	OK
237: 0:16:30:508	16:31: 8	0: 0:590	28302-3	L		AUTO	X	4	5	MA	6	X	H1	OK	OK
237: 0:16:32:508	16:42:758	0:10:250	28302-4	S		AUTO	X	4	5	MA	6	X	H1	OK	OK
237: 0:16:44:508	16:45:758	0: 1:250	28302-5	L		AUTO	X	4	5	MA	6	X	H1	OK	OK
237: 0:16:47:508	17:27:758	0:43:250	28302-6	S		AUTO	X	4	5	MA	6	X	H1	OK	OK
237: 0:17:29:258	17:34:508	0: 5:250	28302-7	L		AUTO	X	4	5	MA	6	X	H1	OK	OK
237: 0:17:36: 8	20:16:116	2:40:108	28302-8	S		AUTO	X	4	5	MA	6	X	H1	OK	OK
237: 0:20:19:698	20:38:197	0:18:499	28303-1	L		AUTO	X	4	5	MA	6	X	H1	OK	OK
237: 0:23:42:102	24:21:100	0:38:998	28303-2	S		MAN	X	X	5	MA	6	X	H1	OK	OK
237: 0:25:13:681	27:53: 93	2:39:412	28303-3	S		MAN	X	X	5	MA	6	X	H1	OK	OK
237: 0:27:56:509	27:56:759	0: 0:250	28303-4	S		MAN	X	X	5	MA	6	X	H1	OK	OK

DATE 052275

PAGE 250

50828-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 82

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
	(ARCMINS)			(ARCSEC)				(ARCSEC)										
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		-BETA-	-Z-							
										OPEN	OPEN							
28301-1	-10600.00	-680.00	-42.50				.0	25.00	55.00	3481.70	1671.80	430.90	374.60	1475				
28301-2	43.00	-873.70	193.70	.00	.00	.00	.0	25.00	55.00	3450.70	1940.00	438.00	296.90	1477				
28301-3	43.00	-873.70	193.70	.00	.00	.00	.0	25.00	55.00	3450.70	1940.00	438.00	296.90	1477				
28301-4	43.00	-873.70	193.70	.00	.00	.00	.0	25.00	55.00	3450.70	1940.00	438.00	296.90	1477				
28301-5	43.00	-873.70	193.70	.00	.00	.00	.0	25.00	55.00	3450.70	1940.00	438.00	296.90	1477				
28301-6	43.00	-873.70	193.70	.00	.00	.00	.0	25.00	55.00	3450.70	1933.20	436.90	298.00	1477				
28301-7	43.00	-873.70	193.70	.00	.00	.00	.0	25.00	55.00	3450.70	1933.20	436.90	298.00	1477				
28301-8	43.00	-873.70	193.70	.00	.00	.00	.0	25.00	55.00	3450.70	1933.20	436.90	298.00	1477				
28302-1	43.00	-873.70	193.70	.00	.00	.00	.0	25.00	55.00	3450.70	1916.60	435.80	302.80	1477				
28302-2	-5304.00	-715.00	27.50	.00	.00	.00	.0	25.00	55.00	3451.10	1074.00	426.10	419.70	1477				
28302-3	-5303.00	-715.00	27.50	.00	.00	.00	.0	25.00	55.00	3451.10	1074.00	426.10	419.70	1477				
28302-4	-5323.00	-715.00	27.50	.00	.00	.00	.0	25.00	55.00	3451.10	1074.00	426.10	419.70	1477				
28302-5	-5323.00	-715.00	27.50	.00	.00	.00	.0	25.00	55.00	3451.10	1074.00	426.10	419.70	1477				
28302-6	-5323.00	-715.00	27.50	.00	.00	.00	.0	25.00	55.00	3451.10	1074.00	426.10	419.70	1477				
28302-7	-5323.00	-715.00	27.50	.00	.00	.00	.0	25.00	55.00	3451.10	964.90	426.00	406.80	1477				
28302-8	-5323.00	-715.00	27.50	.00	.00	.00	.0	25.00	55.00	3451.10	964.90	426.00	406.80	1477				
28303-1	-5321.00	-715.00	27.50	.00	.00	.00	.0	25.00	55.00	3451.10	618.40	426.30	321.20	1477				
28303-2	-1002.00	-40.00	545.00	.00	.00	.00	.0	25.00	55.00	3450.50	252.90	427.60	157.30	1477				
28303-3	-999.00	43.80	545.00	.00	.00	.00	.0	25.00	55.00	3450.20	4.60	429.00	3.20	1477				
28303-4	-998.00	75.00	557.50	.00	.00	.00	.0	25.00	55.00	3449.50	-360.60	431.60	394.20	1477				

DATE 052275

PAGE 251

S082B-ED8  
 INSTRUMENT OPERATION  
 PAGE 1 - 83

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE NODE (PRS)	OP EXP								TEMP		
OPEN	CLOSE	EXPOSURE TIME	-G#		(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP	CL	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	
237: 0:28: 6:343	28:16:675	0:10:332	28303-5	S	MAN	X	X	5	MA	6	X	H1	OK	OK	
237: 1:39:50:258	44:50: 8	4:59:750	28303-6	S	MAN	2	4	5	G3	6	X	H1	OK	OK	
237: 1:45:21:758	46:21: 8	0:59:250	28303-7	S	MAN	X	4	5	G3	6	X	H1	OK	OK	
237:12:33:46:808	34:46:558	0:59:750	28303-8	S	BORE	MAN	2	4	5	G3	6	X	H1	OK	OK
237:12:35:30:808	40:30:558	4:59:750	28304-1	S	BORE	MAN	2	4	5	G3	6	X	H1	OK	OK
237:14: 9:31: 58	12:19:308	2:39:250	28304-2	S	MAN	X	X	5	MA	6	X	H1	OK	OK	
237:14:12:31:558	13:11:308	0:39:750	28304-3	S	MAN	X	X	5	MA	6	X	H1	OK	OK	
237:14:13:25:308	13:34:308	0: 9: 0	28304-4	S	MAN	X	X	5	MA	6	X	H1	OK	OK	
237:14:16:34:308	16:44:308	0:10: 0	28304-5	S	MAN	X	X	5	GS	6	X	H1	OK	OK	
237:14:16:55:808	17:35:308	0:39:500	28304-6	S	MAN	X	X	5	GS	6	X	H1	OK	OK	
237:14:25:18:558	25:58:308	0:39:750	28304-7	S	MAN	X	X	5	GS	6	X	H1	OK	OK	
237:15:37:39:558	37:42: 58	0: 2:500	28304-8	S	BORE	AUTO	X	4	5	G3	6	X	H1	OK	OK
237:15:37:45:808	37:46:308	0: 9:500	28305-1	L	BORE	AUTO	X	4	5	G3	6	X	H1	OK	OK
237:15:37:47:808	37:58: 58	0:10:250	28305-2	S	BORE	AUTO	X	4	5	G3	6	X	H1	OK	OK
237:15:37:59:519	38: 0:936	0: 1:417	28305-3	L	BORE	AUTO	X	4	5	G3	6	X	H1	OK	OK
237:15:38: 2:602	38:42:766	0:40:164	28305-4	S	BORE	AUTO	2	4	5	G3	6	X	H1	OK	OK
237:15:38:44:433	38:49:598	0: 5:165	28305-5	L	BORE	AUTO	X	4	5	G3	6	X	H1	OK	OK
237:15:38:51:308	41:31:340	2:40: 32	28305-6	S	BORE	AUTO	X	4	5	G3	6	X	H1	OK	OK
237:15:41:32:924	41:53: 6	0:20: 82	28305-7	L	BORE	AUTO	X	4	5	G3	6	X	H1	OK	OK
237:15:42:59:920	48:19: 58	5:19:138	28305-8	S	BORE	MAN	X	4	5	GS	6	X	H1	OK	OK

5082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 2- 83

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPC POINT		MAX PT EXC			LIMB OFF (ARCSEC)	--NRL BIAS-- (ARCSEC)		ANGLE (ARCMINS)		ALTITUDE (KM)	Z(H) (KM)	ORBIT NO.				
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA- OPEN	-Z- OPEN							
	(U)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)			
28303-5	-998.00	43.80	557.50				.0		25.00	55.00	3449.50	-378.90	431.80	390.50	1478		
28303-6	-5401.90	26.20	21.20	.00	.00	.00	.0	.00	25.00	55.00	3440.20	877.00	433.80	314.80	1478		
28303-7	-5400.90	26.20	21.20	.00	.00	.00	.0	.00	25.00	55.00	3440.50	499.40	428.10	406.50	1478		
28303-8	-5394.00	22.50	21.20	.00	.00	.00	.0	.00	25.00	55.00	3362.40	1914.20	431.50	297.20	1485		
28304-1	-5393.00	22.50	21.20	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3362.50	1800.70	429.50	335.20	1485
28304-2	26.00	10.00	556.20	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3350.80	1762.80	428.80	346.10	1486
28304-3	26.00	16.20	556.20	.00	58.75	.00	.0	.00	26.25	55.00	26.25	55.00	3350.90	1514.10	426.60	402.40	1486
28304-4	26.00	10.00	556.20	.00	67.50	.00	.0	.00	26.25	55.00	26.25	55.00	3350.90	1417.80	426.20	415.30	1486
28304-5	1136.00	446.20	321.20	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3350.90	1097.30	425.50	421.00	1486
28304-6	1136.00	446.20	321.20	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3350.90	1097.30	425.50	421.00	1486
28304-7	1139.00	-836.20	-73.70	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3349.50	-68.20	430.20	428.90	1486
28304-8	-5935.00	-545.00	176.20	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3338.90	2028.80	434.00	252.70	1487
28305-1	-5935.00	-545.00	176.20	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3338.90	2028.80	434.00	252.70	1487
28305-2	-5935.00	-545.00	176.20	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3338.90	2028.80	434.00	252.70	1487
28305-3	-5935.00	-545.00	176.20	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3338.90	2028.80	434.00	252.70	1487
28305-4	-5934.00	-545.00	176.20	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3338.90	2001.30	432.90	263.20	1487
28305-5	-5934.00	-545.00	176.20	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3338.90	2001.30	432.90	263.20	1487
28305-6	-5934.00	-545.00	176.20	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3338.90	2001.30	432.90	263.20	1487
28305-7	-5933.00	-545.00	176.20	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3338.90	1859.50	429.80	315.20	1487
28305-8	-5933.00	-545.00	176.20	.00	.00	.00	.0	.00	26.25	55.00	26.25	55.00	3339.00	1794.00	428.90	336.40	1487

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 84

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	TIME	-G-	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
237:15:51:47:808	51:50:558	0: 2:750	28306-1	S	BORE	AUTO	X	X	5	MA	6	X	H1	OK	OK
237:15:51:52:308	51:52:558	0: 3:250	28306-2	L	BORE	AUTO	X	X	5	MA	6	X	H1	OK	OK
237:15:51:54:308	52: 4:558	0:10:250	28306-3	S	BORE	AUTO	X	X	5	M3	6	X	H1	OK	OK
237:15:52: 6: 58	52: 7:558	0: 1:500	28306-4	L	BORE	AUTO	X	X	5	ML	6	X	H1	OK	OK
237:15:52: 9: 58	52:49:308	0:49:250	28306-5	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:15:52:51: 58	52:56: 58	0: 5: 0	28306-6	L	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:15:52:57:808	55:38: 58	2:40:250	28306-7	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:15:55:39:558	55:59:558	0:20: 0	28306-8	L	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:15:57:11:308	57:11:808	0: 0:500	28307-1	L	BORE	AUTO	X	X	5	G3	6	X	H1	OK	OK
237:15:57:13:558	57:16: 58	0: 2:500	28307-2	S	BORE	AUTO	X	X	5	G3	6	X	H1	OK	OK
237:15:57:17:808	57:19: 58	0: 1:250	28307-3	L	BORE	AUTO	X	X	5	G3	6	X	H1	OK	OK
237:15:57:20:808	57:31: 58	0:10:250	28307-4	S	BORE	AUTO	X	4	5	G3	6	X	H1	OK	OK
237:15:57:32:558	57:37:808	0: 5:250	28307-5	L	BORE	AUTO	X	4	5	G3	6	X	H1	OK	OK
237:15:57:39:308	58:19:558	0:40:250	28307-6	S	BORE	AUTO	X	4	5	G3	6	X	H1	OK	OK
237:15:58:21:308	58:41:308	0:23: 0	28307-7	L	BORE	AUTO	X	4	5	G3	6	X	H1	OK	OK
237:15:58:43: 58	1:23: 58	2:40: 0	28307-8	S	BORE	AUTO	X	4	5	G3	6	X	H1	OK	OK
237:16:55:15: 58	55:17:808	0: 2:750	28308-1	S		AUTO	X	X	5	GS	6	X	H1	OK	OK
237:16:55:19:308	55:19:808	0: 0:500	28308-2	L		AUTO	X	X	5	GS	6	X	H1	OK	OK
237:16:55:21:558	55:31:808	0:10:250	28308-3	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
237:16:55:33:308	55:34:808	0: 1:500	28308-4	L		AUTO	X	4	5	GS	6	X	H1	OK	OK

FRAME	----- EPC POINT -----	---- MAX PT EXC ----	--- LIMB OFF ---	--- NNL BIAS ---	ANGLE	ALTITUDE Z(H)	(H)	ORBIT	COUNT (ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	GAMX	GAMR	GAMY	GAMY	GXB1	GYB1	OPEN	OPEN	(KM)	(KM)	NO.
(D)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A)	(B)	(C)											
28306-1	-3828.00	-418.70	-323.00	.0	26.25	55.00	3338.90	903.30	425.60	396.30	1487												
28306-2	-3828.00	-418.70	-323.00	.00	26.25	55.00	3338.90	903.30	425.60	396.30	1487												
28306-3	-3828.00	-418.70	-323.00	.00	26.25	55.00	3338.90	903.30	425.60	396.30	1487												
28306-4	-3828.00	-418.70	-323.00	.00	26.25	55.00	3338.90	903.30	425.60	396.30	1487												
28306-5	-3828.00	-418.70	-323.00	.00	26.25	55.00	3338.90	903.30	425.60	396.30	1487												
28306-6	-3828.00	-418.70	-323.00	.00	26.25	55.00	3338.90	903.30	425.60	396.30	1487												
28306-7	-3828.00	-418.70	-323.00	.00	26.25	55.00	3338.90	903.30	425.60	396.30	1487												
28306-8	-3828.00	-418.70	-323.00	.00	26.25	55.00	3338.90	903.30	425.60	396.30	1487												
28307-1	-5461.00	-622.50	17.50	.00	26.25	55.00	3338.10	142.60	428.90	93.10	1487												
28307-2	-5461.00	-622.50	17.50	.00	26.25	55.00	3338.10	142.60	428.90	93.10	1487												
28307-3	-5461.00	-622.50	17.50	.00	26.25	55.00	3338.10	142.60	428.90	93.10	1487												
28307-4	-5461.00	-622.50	17.50	.00	26.25	55.00	3338.10	142.60	428.90	93.10	1487												
28307-5	-5461.00	-622.50	17.50	.00	26.25	55.00	3338.10	142.60	428.90	93.10	1487												
28307-6	-5460.00	-622.50	17.50	.00	26.25	55.00	3338.10	142.60	428.90	93.10	1487												
28307-7	-5460.00	-622.50	17.50	.00	26.25	55.00	3338.10	142.60	428.90	93.10	1487												
28307-8	-5460.00	-622.50	17.50	.00	26.25	55.00	3338.10	142.60	428.90	93.10	1487												
28308-1	-605.00	543.70	72.50	.00	26.25	55.00	3329.10	1259.40	446.10	446.10	1487												
28308-2	-605.00	543.70	72.50	.00	26.25	55.00	3329.10	1259.40	446.10	446.10	1487												
28308-3	-605.00	543.70	72.50	.00	26.25	55.00	3329.10	1259.40	446.10	446.10	1487												
28308-4	-605.00	543.70	72.50	.00	26.25	55.00	3329.10	1259.40	446.10	446.10	1487												

DATE 052275

PAGE 255

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 85

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP		
OPEN	CLOSE	EXPOSURE TIME	-G2		(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
237:16:55:36:308	56:16:558	0:43:250	28308-5	S	AUTO	X	4	5	GS	6	X	H1	OK		OK
237:16:56:10:308	56:23:308	0: 5: 0	28308-6	L	AUTO	X	4	5	GS	6	X	H1	OK		OK
237:16:56:25: 58	59: 5: 58	2:43: 0	28308-7	S	AUTO	X	4	5	GS	6	X	H1	OK		OK
237:16:59: 6:808	59:26:808	0:20: 0	28308-8	L	AUTO	X	4	5	GS	6	X	H1	OK		OK
237:17: 5:53: 58	5:53:558	0: 0:500	28309-1	L	AUTO	X	4	5	MA	6	X	H1	OK		OK
237:17: 5:55: 58	5:57:808	0: 2:750	28309-2	S	AUTO	X	4	5	MA	6	X	H1	OK		OK
237:17: 5:59:308	6: 0:808	0: 1:500	28309-3	L	AUTO	X	4	5	G3	6	X	H1	OK		OK
237:17: 6: 2:558	6:12:558	0:10: 0	28309-4	S	AUTO	X	4	5	GS	6	X	H1	OK		OK
237:17: 6:14:308	6:19:308	0: 5: 0	28309-5	L	AUTO	X	4	5	GS	6	X	H1	OK		OK
237:17: 6:21: 58	7: 1:308	0:40:250	28309-6	S	AUTO	X	4	5	GS	6	X	H1	OK		OK
237:17: 7: 2:808	7:22:767	0:19:959	28309-7	L	AUTO	X	4	5	GS	6	X	H1	OK		OK
237:17: 7:24:434	10: 4:558	2:40:124	28309-8	S	AUTO	X	4	5	GS	6	X	H1	OK		OK
237:17:16:14:494	16:17:244	0: 2:750	28310-1	S	AUTO	X	X	5	GS	6	X	H1	OK		OK
237:17:16:18:911	16:19:328	0: 0:417	28310-2	L	AUTO	X	X	5	GS	6	X	H1	OK		OK
237:17:16:20:994	16:31:160	0:10:166	28310-3	S	AUTO	X	X	5	G3	6	X	H1	OK		OK
237:17:16:32:827	16:34:242	0: 1:415	28310-4	L	AUTO	X	X	5	GS	6	X	H1	OK		OK
237:17:16:35:909	17:16: 74	0:40:165	28310-5	S	AUTO	X	4	5	GS	6	X	H1	OK		OK
237:17:17:17:740	17:22:906	0: 5:166	28310-6	L	AUTO	X	4	5	GS	6	X	H1	OK		OK
237:17:17:24:489	20: 4:647	2:40:158	28310-7	S	AUTO	X	4	5	GS	6	X	H1	OK		OK
237:17:20: 6:230	20:26:314	0:20: 84	28310-8	L	AUTO	X	4	5	GS	6	X	H1	OK		OK

S082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 2- 85

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.			
	(ARCMINS)			(ARCSEC)				(ARCSEC)								
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1	-BETA- OPEN	-Z- OPEN					
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)		
28308-5	-605.00	543.70	72.50				.0	26.25	55.00	3329.10	1259.40	446.10	446.10	1487		
28308-6	-604.00	543.70	72.50	.00	.00	.00	.00	26.25	55.00	3328.80	1364.90	445.90	442.10	1487		
28308-7	-604.00	543.70	72.50	.00	.00	.00	.00	26.25	55.00	3328.80	1364.90	445.90	442.10	1487		
28308-8	-604.00	543.70	72.50	.00	.00	.00	.00	26.25	55.00	3328.10	1647.80	444.80	398.70	1487		
28309-1	-602.00	510.00	72.50	.00	.00	.00	.0	26.25	55.00	3327.10	2011.40	439.80	269.60	1488		
28309-2	-602.00	510.00	72.50	.00	.00	.00	.0	26.25	55.00	3327.10	2011.40	439.80	269.60	1488		
28309-3	-602.00	510.00	72.50	.00	.00	.00	.00	26.25	55.00	3327.10	2011.40	439.80	269.60	1488		
28309-4	-602.00	510.00	72.50	.00	.00	.00	.00	26.25	55.00	3327.00	2039.60	438.80	255.30	1488		
28309-5	-602.00	510.00	72.50	.00	.00	.00	.0	26.25	55.00	3327.00	2039.60	438.80	255.30	1488		
28309-6	-602.00	510.00	72.50	.00	.00	.00	.0	26.25	55.00	3327.00	2039.60	438.80	255.30	1488		
28309-7	-601.00	510.00	72.50	.00	.00	.00	.0	26.25	55.00	3327.00	2057.30	437.60	245.30	1488		
28309-8	-601.00	510.00	72.50	.00	.00	.00	.0	26.25	55.00	3327.00	2057.30	437.60	245.30	1488		
28310-1	-1398.00	521.20	33.70	.00	.00	.00	.0	26.25	55.00	3327.10	1752.80	428.10	348.30	1488		
28310-2	-1398.00	521.20	33.70	.00	.00	.00	.00	26.25	55.00	3327.10	1752.80	428.10	348.30	1488		
28310-3	-1398.00	521.20	33.70	.00	.00	.00	.0	26.25	55.00	3327.10	1752.80	428.10	348.30	1488		
28310-4	-1398.00	521.20	33.70	.00	.00	.00	.0	26.25	55.00	3327.10	1752.80	428.10	348.30	1488		
28310-5	-1398.00	521.20	33.70	.00	.00	.00	.0	26.25	55.00	3327.10	1752.80	428.10	348.30	1488		
28310-6	-1398.00	521.20	33.70	.00	.00	.00	.0	26.25	55.00	3327.10	1673.00	427.40	369.60	1488		
28310-7	-1398.00	521.20	33.70	.00	.00	.00	.0	26.25	55.00	3327.10	1673.00	427.40	369.60	1488		
28310-8	-1398.00	521.20	33.70	.00	.00	.00	.0	26.25	55.00	3327.10	1392.30	425.90	417.60	1488		

DATE 052275

PAGE 257

SC82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 86

SHUTTER -----		FRAME COUNT	-WVL-	STATE MODE (PRS)	UP EXP -----								TEMP	
OPEN	CLOSE	EXPOSURE TIME	-G#		(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP	CL
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
237:18:23:45:806	26:25:798	2:39:992	28311-1	S	MAN	X	X	5	GS	6	X	H1	OK	OK
237:18:26:42:297	27:21:795	0:39:498	28311-2	S	MAN	X	X	5	MA	6	X	H1	OK	OK
237:19: 0: 2:946	0: 5:696	0: 2:750	28311-3	S	AUTO	X	X	5	MA	6	X	H1	OK	OK
237:19: 0: 7:196	0: 7:696	0: 0:520	28311-4	L	AUTO	X	X	5	MA	6	X	H1	OK	OK
237:19: 0: 9:446	0:19:445	0: 9:999	28311-5	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:19: 0:21:195	0:22:695	0: 1:500	28311-6	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:19: 0:24:195	1: 4:443	0:40:248	28311-7	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:19: 1: 5:943	1:11:193	0: 5:250	28311-8	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:19: 1:14:692	3:54:683	2:39:991	28312-1	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:19: 3:56:433	4:16:432	0:19:999	28312-2	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:19:55:20: 55	55:20:555	0: 0:500	28312-3	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:19:55:22: 54	55:24:804	0: 2:750	28312-4	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:19:55:26:554	55:27:804	0: 1:250	28312-5	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:19:55:29:554	55:39:804	0:10:1250	28312-6	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:19:55:41:303	55:46:553	0: 5:250	28312-7	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:19:55:48:303	56:28:301	0:39:998	28312-8	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:19:56:31:801	56:52: 50	0:20:249	28313-1	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:19:56:53:550	59:33:792	2:40:242	28313-2	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:20: 0:50: 39	6: 9:521	5:19:482	28313-3	S	MAN	X	X	5	MA	6	X	H1	OK	OK
237:20: 8:55:263	8:58: 13	0: 2:750	28313-4	S	AUTO	X	X	5	MA	6	X	H1	OK	OK

DATE 052275

PAGE 258

5082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 2- 86      5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPC POINT			MAX PT EXC			LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(H)	ORBIT NO.
									GXB1	GYB1	-BETA-	-Z-	(KM)	(KM)	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	(U)	(V)	(W)	(X)	OPEN	OPEN	(AA)	(BB)	(CC)
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)							
2B311-1	196.00	-821.20	156.30				.0		26.25	55.00	3318.50	734.50	445.60	369.20	1488
2B311-2	197.00	-821.20	156.30	.00	.00	.00	.00		26.25	55.00	3317.60	1087.60	446.20	438.60	1488
2B311-3	-6746.00	-318.70	-718.80	.00	.00	.00	.00		26.25	55.00	3314.50	605.70	426.60	316.90	1489
2B311-4	-6746.00	-318.70	-718.80	.00	.00	.00	.00		26.25	55.00	3314.50	596.60	426.60	313.70	1489
2B311-5	-6746.00	-318.70	-718.80	.00	.00	.00	.00		26.25	55.00	3314.50	591.80	426.60	311.90	1489
2B311-6	-6746.00	-318.70	-718.80	.00	.00	.00	.00		26.25	55.00	3314.50	566.60	426.60	302.60	1489
2B311-7	-6746.00	-318.70	-718.80	.00	.00	.00	.00		26.25	55.00	3314.50	560.20	426.60	300.20	1489
2B311-8	-6745.00	-318.70	-718.80	.00	.00	.00	.00		26.25	55.00	3314.40	470.50	427.10	264.10	1489
2B312-1	-6745.00	-318.70	-718.80	.00	.00	.00	.00		26.25	55.00	3314.40	451.60	427.10	255.90	1489
2B312-2	-6744.00	-318.70	-718.80	.00	.00	.00	.00		26.25	55.00	3314.00	98.10	428.60	65.20	1489
2B312-3	-2934.00	683.70	-153.70	.00	.00	.00	.00		26.25	55.00	3306.50	519.70	445.20	292.40	1489
2B312-4	-2934.00	683.70	-153.70	.00	.00	.00	.00		26.25	55.00	3306.50	523.90	445.20	294.10	1489
2B312-5	-2934.00	683.70	-153.70	.00	.00	.00	.00		26.25	55.00	3306.50	533.50	445.20	298.10	1489
2B312-6	-2934.00	683.70	-153.70	.00	.00	.00	.00		26.25	55.00	3306.50	539.90	445.20	300.70	1489
2B312-7	-2934.00	683.70	-153.70	.00	.00	.00	.00		26.25	55.00	3306.50	565.10	445.20	310.70	1489
2B312-8	-2934.00	683.70	-153.70	.00	.00	.00	.00		26.25	55.00	3306.50	580.00	445.20	316.50	1489
2B313-1	-2934.00	683.70	-153.70	.00	.00	.00	.00		26.25	55.00	3306.30	671.90	445.60	349.60	1489
2B313-2	-2933.00	683.70	-153.70	.00	.00	.00	.00		26.25	55.00	3306.30	717.70	445.60	364.20	1489
2B313-3	-2932.00	683.70	-153.70	.00	.00	.00	.00		26.25	55.00	3305.10	1093.90	446.30	439.20	1489
2B313-4	-2930.00	583.70	-153.70	.00	.00	.00	.00		26.25	55.00	3303.20	1851.80	443.00	337.30	1489

DATE 052275

PAGE 259

S082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 1 - 87

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	UP EXP								TEMP			
OPEN	CLOSE	TIME	-G2		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
237:20: 8:59:762	9: 0:262	0: 0:500	28313-5	L	AUTO	X	X	5	MA	6	X	H1	OK			OK
237:20: 9: 2: 12	9:12:262	0:10:250	28313-6	S	AUTO	X	X	5	GS	6	X	H1	OK			OK
237:20: 9:13:762	9:15:262	0: 1:500	28313-7	L	AUTO	X	4	5	GS	6	X	H1	OK			OK
237:20: 9:16:762	9:57: 10	0:40:248	28313-8	S	AUTO	X	4	5	GS	6	X	H1	OK			OK
237:20:10: 0:509	10: 5:509	0: 5: 0	28314-1	L	AUTO	X	4	5	GS	6	X	H1	OK			OK
237:20:10: 7:259	12:47:501	2:40:242	28314-2	S	AUTO	X	4	5	GS	6	X	H1	OK			OK
237:20:12:49: 1	13: 9: 0	0:119:999	28314-3	L	AUTO	X	4	5	GS	6	X	H1	OK			OK
237:20:19:39:730	19:40:230	0: 0:500	28314-4	L	AUTO	X	X	5	GS	6	X	H1	OK			OK
237:20:19:41:730	19:44:480	0: 0:750	28314-5	S	AUTO	X	X	5	GS	6	X	H1	OK			OK
237:20:19:45:980	19:47:479	0: 1:499	28314-6	L	AUTO	X	X	5	GS	6	X	H1	OK			OK
237:20:19:49:229	19:59:229	0:10: 0	28314-7	S	AUTO	X	X	5	GS	6	X	H1	OK			OK
237:20:20: 0:979	20: 6:229	0: 5:250	28314-8	L	AUTO	X	X	5	GS	6	X	H1	OK			OK
237:20:20: 9:728	20:49:726	0:39:998	28315-1	S	AUTO	X	X	5	GS	6	X	H1	OK			OK
237:20:20:51:476	21:11:475	0:19:999	28315-2	L	AUTO	X	X	5	GS	6	X	H1	OK			OK
237:20:21:13:225	23:53:217	2:39:992	28315-3	S	AUTO	X	X	5	GS	6	X	H1	OK			OK
237:20:24:11:716	29:31:451	5:19:735	28315-4	S	MAN	X	X	5	GS	6	X	H1	OK			OK
237:20:35:30:200	35:32:700	0: 2:500	28315-5	S	AUTO	X	X	5		6	X	H1	OK			OK
237:20:35:34:450	35:34:950	0: 0:500	28315-6	L	AUTO	X	X	5		6	X	H1	OK			OK
237:20:35:36:700	35:46:694	0: 9:999	28315-7	S	AUTO	X	X	5	GS	6	X	H1	OK			OK
237:20:35:48:449	35:49:949	0: 1:500	28315-8	L	AUTO	X	X	5	GS	6	X	H1	OK			OK

DATE 052275

PAGE 260

SO82B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 87

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.		
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)			(ARCSEC)		(ARCMINS)		(KM)	(KM)			
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA- OPEN	-Z- OPEN	(AA)	(BB)	(CC)		
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)		
2B313-5	-2930.00	583.70	-153.70				.0		26.25	55.00	3303.20	1851.80	443.00	337.30 1489	
2B313-6	-2930.00	583.70	-153.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3303.00	1914.90	442.20	313.00 1489
2B313-7	-2930.00	583.70	-153.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3303.00	1914.90	442.20	313.00 1489
2B313-8	-2930.00	583.70	-153.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3303.00	1914.90	442.20	313.00 1489
2B314-1	-2930.00	583.70	-153.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3302.90	1969.00	441.20	289.90 1489
2B314-2	-2930.00	583.70	-153.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3302.90	1969.00	441.20	289.90 1489
2B314-3	-2928.00	683.70	-153.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3302.70	2048.10	439.20	252.10 1489
2B314-4	-2928.00	683.70	66.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3302.50	1993.20	431.40	264.40 1490
2B314-5	-2928.00	683.70	66.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3302.50	1993.20	431.40	264.40 1490
2B314-6	-2928.00	683.70	66.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3302.50	1993.20	431.40	264.40 1490
2B314-7	-2928.00	683.70	66.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3302.50	1993.20	431.40	264.40 1490
2B314-8	-2928.00	683.70	66.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3302.50	1943.60	430.40	283.80 1490
2B315-1	-2927.00	683.70	66.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3302.50	1943.60	430.40	283.80 1490
2B315-2	-2927.00	683.70	66.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3302.50	1943.60	430.40	283.80 1490
2B315-3	-2927.00	683.70	66.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3302.60	1884.60	429.50	305.50 1490
2B315-4	-2927.00	683.70	66.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3302.60	1656.50	427.20	373.50 1490
2B315-5	-2924.00	833.70	-151.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3301.90	327.50	427.90	197.00 1490
2B315-6	-2924.00	833.70	-151.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3301.90	318.20	427.90	192.20 1490
2B315-7	-2924.00	833.70	-151.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3301.90	313.30	427.90	189.70 1490
2B315-8	-2924.00	833.70	-151.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	3301.90	287.50	427.90	176.10 1490

SC82B-EDB

INSTRUMENT OPERATION  
PAGE 1 - 88

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVE-	STATE MODE (PRS)	OP EXP								TEMP	
OPEN	CLOSE	TIME	-GS		(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP	CL
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
237:20:35:53:449	36:33:447	0:39:998	28316-1	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:20:36:35:197	36:40:197	0: 5: 0	28316-2	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:20:36:41:946	39:21:687	2:39:741	28316-3	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:20:39:23:437	39:43:436	0:19:999	28316-4	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:46:22:242	46:22:741	0: 0: 499	28316-5	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:46:24:491	46:26:991	0: 2:500	28316-6	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:46:28:741	46:29:991	0: 1:250	28316-7	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:46:31:741	46:41:990	0:10:249	28316-8	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:46:45:490	46:50:490	0: 5: 0	28317-1	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:46:52:240	47:32:238	0:39:998	28317-2	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:47:33:988	47:53:987	0:19:999	28317-3	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:47:55:737	50:35:728	2:39:991	28317-4	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:51:29:475	51:31:975	0: 2:500	28317-5	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:51:33:725	51:34:225	0: 0:500	28317-6	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:51:35:724	51:45:974	0:10:250	28317-7	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:51:47:724	51:48:974	0: 1:250	28317-8	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:51:53:224	52:33:221	0:39:997	28318-1	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:52:33:471	52:38:471	0: 5: C	28318-2	X	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:52:40:221	55:20:213	2:39:992	28318-3	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
237:21:55:21:963	55:41:962	0:19:999	28318-4	L	AUTO	X	X	5	GS	6	X	H1	OK	OK

DATE 052275

PAGE 262

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 88

FRAME COUNT	----- EPC POINT -----			---- MAX PT EXC ----			LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(H) (KM)	ORBIT NO.					
	(ARCMINS)			(ARCSEC)				(ARCSEC)										
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		-BETA-	-Z-							
										OPEN	OPEN							
2B316-1	-2924.00	833.70	-151.20				.0	26.25	55.00	3301.90	276.50	427.90	170.20 1490					
2B316-2	-2924.00	833.70	-151.20	.00	.00	.00	.00	26.25	55.00	3301.70	184.50	428.70	118.40 1490					
2B316-3	-2924.00	833.70	-151.20	.00	.00	.00	.00	26.25	55.00	3301.70	169.60	428.70	109.50 1490					
2B316-4	-2924.00	833.70	-151.20	.00	.00	.00	.00	26.25	55.00	3301.00	-187.10	431.30	421.20 1490					
2B316-5	42.00	-795.00	197.50	.00	.00	.00	.00	26.25	55.00	3290.10	2078.70	438.30	236.30 1490					
2B316-6	42.00	-795.00	197.50	.00	.00	.00	.00	26.25	55.00	3290.10	2078.70	438.30	236.30 1490					
2B316-7	42.00	-795.00	197.50	.00	.00	.00	.00	26.25	55.00	3290.10	2078.70	438.30	236.30 1490					
2B316-8	42.00	-795.00	197.50	.00	.00	.00	.00	26.25	55.00	3290.10	2078.70	438.30	236.30 1490					
2B317-1	42.00	-795.00	197.50	.00	.00	.00	.00	26.25	55.00	3290.10	2078.70	438.30	236.30 1490					
2B317-2	42.00	-795.00	197.50	.00	.00	.00	.00	26.25	55.00	3290.10	2078.70	438.30	236.30 1490					
2B317-3	42.00	-795.00	197.50	.00	.00	.00	.00	26.25	55.00	3290.10	2095.70	437.20	226.30 1490					
2B317-4	42.00	-795.00	197.50	.00	.00	.00	.00	26.25	55.00	3290.10	2095.70	437.20	226.30 1490					
2B317-5	43.00	-803.70	198.70	.00	.00	.00	.00	26.25	55.00	3290.00	2054.70	432.70	238.60 1490					
2B317-6	43.00	-803.70	198.70	.00	.00	.00	.00	26.25	55.00	3290.00	2054.70	432.70	238.60 1490					
2B317-7	43.00	-806.20	200.00	.00	.00	.00	.00	26.25	55.00	3290.00	2054.70	432.70	238.60 1490					
2B317-8	43.00	-806.20	200.00	.00	.00	.00	.00	26.25	55.00	3290.00	2054.70	432.70	238.60 1490					
2B318-1	43.00	-806.20	200.00	.00	.00	.00	.00	26.25	55.00	3290.00	2054.70	432.70	238.60 1490					
2B318-2	43.00	-806.20	200.00	.00	.00	.00	.00	26.25	55.00	3290.00	2017.80	431.60	253.80 1490					
2B318-3	43.00	-806.20	200.00	.00	.00	.00	.00	26.25	55.00	3290.00	2017.80	431.60	253.80 1490					
2B318-4	43.00	-806.20	200.00	.00	.00	.00	.00	26.25	55.00	3290.10	1848.20	428.70	317.80 1490					

DATE 052275

PAGE 263

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 89

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP				
OPEN	CLOSE	TIME	-G#		(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
237:22:55:58: 57	55:58:557	0: 0:500	28318-5	L	AUTO	X	X	5					6	X	H1	OK	
237:22:56: 0:306	56: 2:806	0: 2:500	28318-6	S	AUTO	X	X	5					6	X	H1	OK	OK
237:22:56: 4:556	56: 5:806	0: 1:250	28318-7	L	AUTO	X	X	5	MA	6	X	H1	OK		OK		
237:22:56: 7:556	56:17:806	0:10:250	28318-8	S	AUTO	X	X	5	MA	6	X	H1	OK		OK		
237:22:56:21:305	56:26:305	0: 5: C	28319-1	L	AUTO	X	X	5	MA	6	X	H1	OK		OK		
237:22:56:28: 55	57: 8: 52	0:39:997	28319-2	S	AUTO	X	4	5	MA	6	X	H1	OK		OK		
237:22:57: 9:802	57:29:801	0:19:999	28319-3	L	AUTO	X	4	5	MA	6	X	H1	OK		OK		
237:22:57:31:551	0:11:543	2:39:992	28319-4	S	AUTO	X	4	5	MA	6	X	H1	OK		OK		
238: 1: 4:21:199	4:22:199	0: 1: 0	28319-5	S	AUTO	2	4	5	MA	6	X	H1	OK		OK		
238: 1:14:48: 94	14:50:760	0: 2:666	28319-6	S	AUTO	X	X	5	GA	6	X	H1	OK		OK		
238: 1:14:52:427	14:52:844	0: 0:417	28319-7	L	AUTO	X	X	5	GA	6	X	H1	OK		OK		
238: 1:14:54:510	15: 4:676	0:10:166	28319-8	S	AUTO	X	4	5	GA	6	X	H1	OK		OK		
238: 1:15: 8:176	15: 9:592	0: 1:416	28320-1	L	AUTO	X	4	5	GS	6	X	H1	OK		OK		
238: 1:15:11:259	15:51:423	0:40:164	28320-2	S	AUTO	X	4	5	GA	6	X	H1	OK		OK		
238: 1:15:53: 89	15:58:173	0: 5: 84	28320-3	L	AUTO	X	4	5	MA	6	X	H1	OK		OK		
238: 1:15:59:840	18:39:913	2:40: 73	28320-4	S	AUTO	X	4	5	MA	6	A	H1	OK		OK		
238: 1:18:41:580	19: 1:662	0:20: 82	28320-5	L	AUTO	X	X	5	MA	6	A	H1	OK		OK		
238:13:23:16:558	24:16:308	0:59:750	28320-6	S	BORE	MAN	2	4	5	G3	6	X	H1	OK		OK	
238:13:37:22: 58	42:21:308	4:59:250	28320-7	S	BORE	MAN	2	4	5	MA	6	X	H1	OK		OK	
238:14:37:44:608	37:47:358	0: 2:750	28320-8	S	AUTO	X	X	5		6	X	H1	OK		OK		

DATE 052275

PAGE 264

**S0B2B-EDB**  
**INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS**  
**PAGE 2- 89**

FRAME COUNT	----- EPG POINT -----			---- MAX PT EXC ----			LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE		Z(M)	ORBIT
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(KM)	(KM)	NO.	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1	-BETA-	-Z-					
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)		
2B318-5	44.00	-805.00	205.00				.0	26.25	55.00	3283.10	-263.00	442.10	422.20	1491		
2B318-6	44.00	-805.00	205.00	.00	.00	.00	.0	26.25	55.00	3282.90	-258.00	442.60	423.40	1491		
2B318-7	44.00	-805.00	205.00	.00	.00	.00	.0	26.25	55.00	3282.90	6248.60	442.60	424.80	1491		
2B318-8	44.00	-805.00	205.00	.00	.00	.00	.0	26.25	55.00	3282.90	-242.00	442.60	425.70	1491		
2B319-1	44.00	-805.00	205.00	.00	.00	.00	.0	26.25	55.00	3282.90	-211.50	442.60	429.70	1491		
2B319-2	44.00	-805.00	205.00	.00	.00	.00	.0	26.25	55.00	3282.90	-196.60	442.60	431.50	1491		
2B319-3	44.00	-805.00	205.00	.00	.00	.00	.0	26.25	55.00	3282.60	-104.00	443.10	440.00	1491		
2B319-4	44.00	-805.00	205.00	.00	.00	.00	.0	26.25	55.00	3282.60	-55.70	443.10	442.20	1491		
2B319-5	-5445.00	25.00	22.50	.00	.00	.00	.0	26.25	55.00	3264.80	1674.00	426.90	368.70	1492		
2B319-6	-43.00	223.70	-781.30	.00	.00	.00	.0	26.25	55.00	3264.10	410.00	427.60	237.20	1492		
2B319-7	-43.00	223.70	-781.30	.00	.00	.00	.0	26.25	55.00	3264.10	400.40	427.60	232.70	1492		
2B319-8	-43.00	223.70	-781.30	.00	.00	.00	.0	26.25	55.00	3264.10	395.80	427.60	230.50	1492		
2B320-1	-43.00	223.70	-781.30	.00	.00	.00	.0	26.25	55.00	3264.00	365.40	428.30	216.10	1492		
2B320-2	-43.00	223.70	-781.30	.00	.00	.00	.0	26.25	55.00	3264.00	358.60	428.30	212.70	1492		
2B320-3	-42.00	223.70	-781.30	.00	.00	.00	.0	26.25	55.00	3264.00	265.30	428.30	164.20	1492		
2B320-4	-42.00	223.70	-781.30	.00	.00	.00	.0	26.25	55.00	3264.00	250.20	428.30	155.90	1492		
2B320-5	-41.00	223.70	-781.30	.66	.00	.00	.0	26.25	55.00	3263.30	-112.80	430.80	427.10	1492		
2B320-6	-3939.00	23.70	22.50	.00	.00	.00	.0	26.25	55.00	3159.10	2207.80	432.00	158.90	1500		
2B320-7	-3956.00	23.70	22.50	.00	.00	.00	.0	26.25	55.00	3158.80	978.50	425.90	408.70	1500		
2B320-8	4467.00	56.30	745.00	.00	.00	.00	.0	26.25	55.00	3148.80	852.60	446.70	401.00	1500		

DATE 052275

PAGE 265

5062B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1- 90

SHUTTER		FRAME COUNT	-WVE-	STATE MODE (PRS)	OP EXP										TEMP					
OPEN	CLOSE	EXPOSURE TIME	-G-		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
238:14:37:50:858	37:51:358	0: C:500	28321-1	L	AUTO	X	X	S							ML	6	X	H1	OK	OK
238:14:37:52:858	38: 3:108	0:10:250	28321-2	S	AUTO	X	X	S							ML	6	X	H1	OK	OK
238:14:38: 4:858	38: 6:108	C: 1:250	28321-3	L	AUTO	X	X	S							ML	6	X	H1	OK	OK
238:14:38: 7:858	38:46:108	0:40:250	28321-4	S	AUTO	X		4	5						ML	6	X	H1	OK	OK
238:14:38:49:608	38:54:858	0: 5:250	28321-5	L	AUTO	X		4	5						GS	6	X	H1	OK	OK
238:14:38:56:358	41:36:534	2:40:176	28321-6	S	AUTO	X		4	5						GS	6	X	H1	OK	OK
238:14:41:38:200	41:58:263	0:20: 83	28321-7	L	AUTO	X		4	5						GS	6	X	H1	OK	OK
238:14:45:45:604	45:46: 21	0: C:417	28321-8	L	AUTO	X		X	5						GS	6	X	H1	OK	OK
238:14:45:49:521	45:52:187	0: 2:666	28322-1	S	AUTO	X		X	5						GS	6	X	H1	OK	OK
238:14:45:53:854	45:55:271	0: 1:417	28322-2	L	AUTO	X		4	5						GS	6	X	H1	OK	OK
238:14:45:56:937	46: 7:108	0:10:171	28322-3	S	AUTO	X		4	5						GS	6	X	H1	OK	OK
238:14:46: 8:771	46:13:937	0: 5:166	28322-4	L	AUTO	X		4	5						GS	6	X	H1	OK	OK
238:14:46:15:604	46:55:769	0:40:165	28322-5	S	AUTO	X		4	5						GS	6	X	H1	OK	OK
238:14:46:57:353	47:17:435	C:20: 82	28322-6	L	MAN	X		4	5						GS	6	X	H1	OK	OK
238:14:47:19:102	49:59:108	2:40: 6	28322-7	S	MAN	X		4	5						GS	6	X	H1	OK	OK
238:14:54: 1:858	54: 4:608	0: 2:750	28322-8	S	AUTO	X		4	5						6	X	H1	OK	OK	
238:14:54: 6:108	54: 8:608	0: C:500	28323-1	L	AUTO	X		4	5						GS	6	X	H1	OK	OK
238:14:54:10:108	54:20:358	0:10:250	28323-2	S	AUTO	X		4	5						GS	6	X	H1	OK	OK
238:14:54:22:108	54:23:358	0: 1:250	28323-3	L	AUTO	X		4	5						GS	6	X	H1	OK	OK
238:14:54:25:108	55: 5:358	0:40:250	28323-4	S	AUTO	X		4	5						GS	6	X	H1	OK	OK

DATE 052275

PAGE 266

SD82B-EDB  
INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
PAGE 2- 90

FRAME COUNT	EPE POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE Z(H)		ORBIT NO.
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCSEC)	(ARCSEC)	(ARCMINS)	(KM)	(KM)	(KM)	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	OPEN	OPEN	
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)
2B321-1	4467.00	56.30	745.00				.0	26.25	55.00	3148.80	852.60	446.70	401.00 1500
2B321-2	4467.00	56.30	745.00	.00	.00	.00	.0	26.25	55.00	3148.80	852.60	446.70	401.00 1500
2B321-3	4467.00	56.30	745.00	.00	.00	.00	.0	26.25	55.00	3148.50	983.40	446.70	426.10 1600
2B321-4	4467.00	56.30	745.00	.00	.00	.00	.0	26.25	55.00	3148.50	983.40	446.70	426.10 1800
2B321-5	4467.00	56.30	745.00	.00	.00	.00	.0	26.25	55.00	3148.50	983.40	446.70	426.10 1600
2B321-6	4467.00	56.30	745.00	.00	.00	.00	.0	26.25	55.00	3148.50	983.40	446.70	426.10 1500
2B321-7	4467.00	56.30	745.00	.00	.00	.00	.0	26.25	55.00	3147.60	1355.10	446.10	442.90 1601
2B321-8	3055.00	343.80	660.00	.00	.00	.00	.0	26.25	55.00	3146.60	1781.10	443.90	361.70 1501
2B322-1	3055.00	343.80	660.00	.00	.00	.00	.0	26.25	55.00	3146.60	1781.10	443.90	361.70 1501
2B322-2	3055.00	343.80	660.00	.00	.00	.00	.0	26.25	55.00	3146.60	1781.10	443.90	361.70 1501
2B322-3	3055.00	343.80	660.00	.00	.00	.00	.0	26.25	55.00	3146.60	1781.10	443.90	361.70 1501
2B322-4	3055.00	343.80	660.00	.00	.00	.00	.0	26.25	55.00	3146.40	1871.00	443.10	330.70 1501
2B322-5	3055.00	343.80	660.00	.00	.00	.00	.0	26.25	55.00	3146.40	1871.00	443.10	330.70 1501
2B322-6	3055.00	343.80	660.00	.00	.00	.00	.0	26.25	55.00	3146.40	1871.00	443.10	330.70 1501
2B322-7	3055.00	343.80	660.00	.00	.00	.00	.0	26.25	55.00	3146.20	1952.80	442.20	298.00 1501
2B322-8	510.00	602.50	268.70	.00	.00	.00	.0	26.25	55.00	3145.50	2246.80	434.40	141.10 1501
2B323-1	510.00	602.50	268.70	.00	.00	.00	.0	26.25	55.00	3145.50	2246.80	434.40	141.10 1501
2B323-2	510.00	602.50	268.70	.00	.00	.00	.0	26.25	55.00	3145.50	2246.80	434.40	141.10 1501
2B323-3	510.00	602.50	268.70	.00	.00	.00	.0	26.25	55.00	3145.50	2246.80	434.40	141.10 1501
2B323-4	510.00	602.50	268.70	.00	.00	.00	.0	26.25	55.00	3145.50	2246.80	434.40	141.10 1501

5082B-EDB  
INSTRUMENT OPERATION  
PAGE 1 - 91

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE		OP EXP				TEMP					
OPEN	CLOSE	EXPOSURE TIME	-G-	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
238:14:55: 6:858	55:12:108	0: 5:250	28323-5	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:14:55:13:858	57:53:907	2:49: 49	28323-6	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:14:57:55:574	58:15:573	0:19:999	28323-7	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:15:11:40:858	14:19:858	2:39: 9	28323-8	S		MAN	X	X	5	GS	6	X	H1	OK	OK
238:16:22:12:252	22:14:919	0: 2:667	28324-1	S	BORE	AUTO	X	4	5		6	X	H1	OK	OK
238:16:22:16:586	22:17: 86	0: 0:500	28324-2	L	BORE	AUTO	X	4	5		6	X	H1	OK	OK
238:16:22:18:752	22:28:918	0:10:166	28324-3	S	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
238:16:22:30:585	22:32: 1	0: 1:416	28324-4	L	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
238:16:22:33:668	23:13:833	0:40:165	28324-5	S	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
238:16:23:15:500	23:20:582	0: 5: 82	28324-6	L	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
238:16:23:22:249	26: 2:328	2:40: 79	28324-7	S	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
238:16:26: 4:161	26:24:244	0:20: 83	28324-8	L	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
238:16:48:26:108	48:26:358	0: 0:250	28325-1	L	BORE	AUTO	X	4	5	ML	6	X	H1	OK	OK
238:16:48:28:108	48:30:858	0: 2:750	28325-2	S	BORE	AUTO	X	4	5	ML	6	X	H1	OK	OK
238:16:48:32:358	48:33:858	0: 1:500	28325-3	L	BORE	AUTO	X	4	5	ML	6	X	H1	OK	OK
238:16:48:35:608	48:45:608	0:10: 0	28325-4	S	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
238:16:48:47:358	48:52:358	0: 5: 0	28325-5	L	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
238:16:48:54:108	49:34:358	0:40:250	28325-6	S	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
238:16:49:35:858	49:56:108	0:20:250	28325-7	L	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
238:16:49:57:608	52:37:858	2:40:250	28325-8	S	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK

DATE 052275

PAGE 268

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 91

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.	
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	GXB1	GYB1	-BETA-	-Z-	(KM)	(KM)		
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)	
2B323-5	510.00	602.50	268.70		.00	.00	.00	.00	26.25	55.00	3145.40	2243.30	433.20	141.10 1501
2B323-6	510.00	602.50	268.70		.00	.00	.00	.00	26.25	55.00	3145.40	2243.30	433.20	141.10 1501
2B323-7	510.00	602.50	268.70		.00	.00	.00	.00	26.25	55.00	3145.40	2200.60	431.00	161.30 1501
2B323-8	11.00	700.00	195.00		.00	.00	.00	.00	26.25	55.00	3145.00	888.70	426.20	394.00 1501
2B324-1	1.00	-608.70	196.20		.00	.00	.00	.00	26.25	55.00	3132.10	2085.30	440.40	236.40 1502
2B324-2	1.00	-608.70	196.20		.00	.00	.00	.00	26.25	55.00	3132.10	2085.30	440.40	236.40 1502
2B324-3	1.00	-608.70	196.20		.00	.00	.00	.00	26.25	55.00	3132.10	2085.30	440.40	236.40 1502
2B324-4	1.00	-608.70	196.20		.00	.00	.00	.00	26.25	55.00	3132.10	2085.30	440.40	236.40 1502
2B324-5	1.00	-608.70	196.20		.00	.00	.00	.00	26.25	55.00	3132.10	2085.30	440.40	236.40 1502
2B324-6	1.00	-608.70	196.20		.00	.00	.00	.00	26.25	55.00	3132.00	2142.30	439.30	206.20 1502
2B324-7	1.00	-608.70	196.20		.00	.00	.00	.00	26.25	55.00	3132.00	2142.30	439.30	206.20 1502
2B324-8	1.00	-608.70	196.20		.00	.00	.00	.00	26.25	55.00	3131.80	2247.60	435.80	143.00 1502
2B325-1	10.00	-612.50	196.20		.00	.00	.00	.00	26.25	55.00	3130.60	380.70	428.80	223.70 1502
2B325-2	10.00	-612.50	196.20		.00	.00	.00	.00	26.25	55.00	3130.60	380.70	428.80	223.70 1502
2B325-3	10.00	-612.50	196.20		.00	.00	.00	.00	26.25	55.00	3130.60	380.70	428.80	223.70 1502
2B325-4	10.00	-612.50	196.20		.00	.00	.00	.00	26.25	55.00	3130.60	380.70	428.80	223.70 1502
2B325-5	10.00	-612.50	196.20		.00	.00	.00	.00	26.25	55.00	3130.60	380.70	428.80	223.70 1502
2B325-6	10.00	-612.50	196.20		.00	.00	.00	.00	26.25	55.00	3130.60	380.70	428.80	223.70 1502
2B325-7	10.00	-612.50	196.20		.00	.00	.00	.00	26.25	55.00	3130.30	239.50	429.70	150.20 1502
2B325-8	10.00	-612.50	196.20		.00	.00	.00	.00	26.25	55.00	3130.30	239.50	429.70	150.20 1502

DATE 052275 PAGE 269

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1- 92

SHUTTER -----		FRAME COUNT	-WVL-	STATE MODE (PRS)		UP EXP -----						TEMP			
OPEN	CLOSE	TIME	-G#	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
238:17:49:42:608	49:45:358	0: 2:750	28326-1	S		AUTO	X	4	5		6	X	H1	OK	OK
238:17:49:46:058	49:47:358	0: 0:500	28326-2	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:17:49:49:108	49:59:108	0:10: 0	28326-3	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:17:50: 0:858	50: 2:358	0: 1:500	28326-4	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:17:50: 3:858	50:44:108	0:40:250	28326-5	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:17:50:45:608	50:50:856	0: 5:250	28326-6	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:17:50:52:608	53:32:608	2:48: 0	28326-7	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:17:53:34:358	53:54:358	0:20: 0	28326-8	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:17:57:35: 72	57:35:572	0: C:500	28327-1	L		AUTO	X	X	5	GS	6	X	H1	OK	OK
238:17:57:37:239	57:39:905	0: 2:666	28327-2	S		AUTO	X	X	5	GS	6	X	H1	OK	OK
238:17:57:41:572	57:42:989	0: 1:417	28327-3	L		AUTO	X	X	5	GS	6	X	H1	OK	OK
238:17:57:44:655	57:54:821	0:10:166	28327-4	S		AUTO	X	X	5	GS	6	X	H1	OK	OK
238:17:57:56:488	58: 1:570	0: 5: 82	28327-5	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:17:58: 3:237	58:43:401	0:40:164	28327-6	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:17:58:45: 68	59: 5: 67	0:19:999	28327-7	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:17:59: 6:734	1:46:811	2:40: 77	28327-8	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
238:18: 8:40:608	8:43:358	0: 2:750	28328-1	S		AUTO	X	X	5	GS	6	X	H1	OK	OK
238:18: 8:44:858	8:45:358	0: 0:500	28328-2	L		AUTO	X	X	5	GS	6	X	H1	OK	OK
238:18: 8:47:108	8:57:358	0:10:250	28328-3	S		AUTO	X	X	5	GS	6	X	H1	OK	OK
238:18: 8:58:858	9: 0:358	0: 1:500	28328-4	L		AUTO	X	X	5		6	X	H1	OK	OK

DATE 052275

PAGE 270

SD82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 92

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
	(ARCMINS)			(ARCSEC)				(ARCSEC)										
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)				
2B326-1	-3566.00	-266.20	-538.70				.0	26.25	55.00	3119.50	1536.90	445.40	421.50	1502				
2B326-2	-3566.00	-266.20	-538.70	.00	.00	.00	.00	26.25	55.00	3119.50	1536.90	445.40	421.50	1502				
2B326-3	-3566.00	-266.20	-538.70	.00	.00	.00	.00	26.25	55.00	3119.50	1536.90	445.40	421.50	1502				
2B326-4	-3566.00	-266.20	-538.70	.00	.00	.80	.00	26.25	55.00	3119.30	1645.60	444.80	399.30	1502				
2B326-5	-3566.00	-266.20	-538.70	.00	.00	.80	.00	26.25	55.00	3119.30	1645.60	444.80	399.30	1502				
2B326-6	-3566.00	-266.20	-538.70	.00	.00	.80	.00	26.25	55.00	3119.30	1645.60	444.80	399.30	1502				
2B326-7	-3566.00	-266.20	-538.70	.00	.00	.80	.00	26.25	55.00	3119.30	1645.60	444.80	399.30	1502				
2B326-8	-3566.00	-266.20	-538.70	.00	.00	.80	.00	26.25	55.00	3118.60	1930.90	442.50	307.20	1502				
2B327-1	-5562.00	-582.50	-145.00	.00	.00	.00	.00	26.25	55.00	3118.00	2190.20	438.30	179.30	1503				
2B327-2	-5562.00	-582.50	-145.00	.00	.00	.80	.00	26.25	55.00	3118.00	2190.20	438.30	179.30	1503				
2B327-3	-5562.00	-582.50	-145.00	.00	.00	.80	.00	26.25	55.00	3118.00	2190.20	438.30	179.30	1503				
2B327-4	-5562.00	-582.50	-145.00	.00	.00	.80	.00	26.25	55.00	3118.00	2190.20	438.30	179.30	1503				
2B327-5	-5562.00	-582.50	-145.00	.00	.00	.80	.00	26.25	55.00	3118.00	2190.20	438.30	179.30	1503				
2B327-6	-5562.00	-582.50	-145.00	.00	.00	.80	.00	26.25	55.00	3118.00	2228.90	437.10	156.00	1503				
2B327-7	-5562.00	-582.50	-145.00	.00	.00	.80	.00	26.25	55.00	3118.00	2228.90	437.10	156.00	1503				
2B327-8	-5562.00	-582.50	-145.00	.00	.00	.80	.00	26.25	55.00	3117.90	2256.00	436.00	138.40	1503				
2B328-1	-5558.00	-26.20	586.20	.00	.00	.00	.00	26.25	55.00	3117.80	1970.60	426.80	267.00	1503				
2B328-2	-5558.00	-26.20	586.20	.00	.00	.80	.00	26.25	55.00	3117.80	1970.60	426.80	267.00	1503				
2B328-3	-5558.00	-26.20	586.20	.00	.00	.80	.00	26.25	55.00	3117.80	1970.60	426.80	267.00	1503				
2B328-4	-5558.00	-26.20	586.20	.00	.00	.80	.00	26.25	55.00	3117.80	1970.60	426.80	267.00	1503				

DATE 052275

PAGE 271

5082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 1 - 93

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER -----		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP -----								TEMP	
OPEN	CLOSE	EXPOSURE TIME	-G-		(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP CL	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
238:18: 9: 2:108	9:42:108	0:40: 0	28328-5	S	AUTO	X	X	5	GS	6	X	H1	OK	OK
238:18: 9:43:858	9:48:858	0: 5: 0	28328-6	L	AUTO	X	X	5	GS	6	X	H1	OK	OK
238:18: 9:50:608	12:30:617	2:40: 9	28328-7	S	AUTO	X	X	5	M3	6	X	H1	OK	OK
238:18:12:32:201	12:52:283	0:20: 82	28328-8	L	AUTO	X	X	5	ML	6	X	H1	OK	OK
238:18:21:11:922	21:12:422	0: 0:503	28329-1	L	AUTO	X	X	5	ML	6	X	H1	OK	OK
238:18:21:14: 88	21:16:755	0: 2:667	28329-2	S	AUTO	X	X	5	ML	6	X	H1	OK	OK
238:18:21:18:422	21:19:838	0: 1:416	28329-3	L	AUTO	X	X	5	ML	6	X	H1	OK	OK
238:18:21:21:422	21:31:587	0:10:165	28329-4	S	AUTO	X	X	5	ML	6	X	H1	OK	OK
238:18:21:33:254	21:38:422	0: 5:168	28329-5	L	AUTO	X	X	5	ML	6	X	H1	OK	OK
238:18:21:40:255	22:20:429	0:40:165	28329-6	S	AUTO	X	X	5	ML	6	X	H1	OK	OK
238:18:22:22: 86	22:42: 85	0:19:999	28329-7	L	AUTO	X	X	5	ML	6	X	H1	OK	OK
238:18:22:43:752	25:23:828	2:40: 76	28329-8	S	AUTO	X	X	5	ML	6	X	H1	OK	OK
238:19:11:52:358	11:55:108	0: 2:750	28330-1	S	AUTO	X	X	5		6	X	H1	OK	OK
238:19:11:56:858	11:57:108	0: 0:250	28330-2	L	AUTO	X	X	5		6	X	H1	OK	OK
238:19:11:58:858	12: 9:108	0:10:250	28330-3	S	AUTO	X	X	5		6	X	H1	OK	OK
238:19:12:10:608	12:12:108	0: 1:500	28330-4	L	AUTO	X	X	5		6	X	H1	OK	OK
238:19:12:13:608	12:53:858	0:40:250	28330-5	S	AUTO	X	X	5	MA	6	X	H1	OK	OK
238:19:12:55:608	13: 0:608	0: 5: 0	28330-6	L	AUTO	X	X	5	MA	6	X	H1	OK	OK
238:19:13: 2:358	15:42:358	2:40: 0	28330-7	S	AUTO	X	4	5	MA	6	A	H1	OK	OK
238:19:15:44:108	16: 4:108	0:20: 0	28330-8	L	AUTO	X	X	5	MA	6	X	H1	OK	OK

DATE 052275

PAGE 272

50828-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 93

FRAME COUNT (ARCMINS)	EPC POINT			MAX PT EXC			LIMB OFF (ARCSEC)	--NRL BIAS-- (ARCSEC)		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)				
28328-5	-5558.00	-26.20	586.20				.0	26.25	55.00	3117.80	1886.10	426.20	300.10	1503				
28328-6	-5558.00	-26.20	586.20	.00	.00	.00	.00	26.25	55.00									
28328-7	-5558.00	-26.20	586.20	.00	.00	.00	.00	26.25	55.00	3117.80	1886.10	426.20	300.10	1503				
28328-8	-5558.00	-26.20	586.20	.00	.00	.00	.0	26.25	55.00	3117.80	1586.10	425.20	387.00	1503				
28329-1	-2198.00	-451.20	317.50	.99	.30	.00	.0	26.25	55.00	3116.70	393.40	428.70	229.80	1503				
28329-2	-2198.00	-451.20	317.50	.00	.00	.00	.0	26.25	55.00	3116.70	388.30	428.70	227.30	1503				
28329-3	-2198.00	-451.20	317.50	.00	.01	.00	.0	26.25	55.00	3116.70	378.10	428.70	222.40	1503				
28329-4	-2198.00	-451.20	317.50	.00	.00	.00	.0	26.25	55.00	3116.70	371.00	428.70	219.00	1503				
28329-5	-2198.00	-451.20	317.50	.00	.30	.00	.0	26.25	55.00	3116.70	343.10	428.70	205.10	1503				
28329-6	-2198.00	-451.20	317.50	.00	.00	.00	.00	26.25	55.00	3116.70	326.50	428.70	196.70	1503				
28329-7	-2198.00	-451.20	317.50	.00	.00	.00	.0	26.25	55.00	3116.50	227.50	429.60	143.40	1503				
28329-8	-2198.00	-451.20	317.50	.33	.00	.00	.0	26.25	55.00	3116.50	176.10	429.60	113.50	1503				
28330-1	-339.00	-515.00	37.50	.00	.00	.00	.00	26.25	55.00									
28330-2	-339.00	-515.00	37.50	.00	.00	.00	.0	26.25	55.00	3108.80	176.30	445.20	115.90	1503				
28330-3	-339.00	-515.00	37.50	.00	.00	.00	.0	26.25	55.00	3108.80	187.00	445.20	122.40	1503				
28330-4	-339.00	-515.00	37.50	.00	.00	.00	.0	26.25	55.00	3108.80	191.70	445.20	125.20	1503				
28330-5	-339.00	-515.00	37.50	.00	.00	.00	.00	26.25	55.00	3108.60	219.50	445.70	141.80	1503				
28330-6	-339.00	-515.00	37.50	.00	.00	.00	.00	26.25	55.00	3108.60	226.60	445.70	145.90	1503				
28330-7	-339.00	-515.00	37.50	.00	.00	.00	.00	26.25	55.00	3108.60	325.80	445.70	200.90	1503				
28330-8	-339.00	-515.00	37.50	.00	.00	.00	.0	26.25	55.00	3107.70	717.40	446.60	364.70	1503				

DATE 052275

PAGE 273

S082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 1 - 94

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP						
OPEN	CLOSE	TIME	-G-		(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP	CL
238:19:16:38:358	16:38:858	0: 0:500	28331-1	L	AUTO	X	4	5	MA	6	X	H1	OK					OK	
238:19:16:40:608	16:43:358	0: 2:750	28331-2	S	AUTO	X	4	5	MA	6	X	H1	OK					OK	
238:19:16:44:858	16:46:358	0: 1:500	28331-3	L	AUTO	X	4	5	MA	6	X	H1	OK					OK	
238:19:16:48:108	16:58:108	0:10: 0	28331-4	S	AUTO	X	4	5	MA	6	X	H1	OK					OK	
238:19:16:59:858	17: 4:858	0: 5: 0	28331-5	L	AUTO	X	4	5	MA	6	X	H1	OK					OK	
238:19:17: 6:608	17:46:858	0:40:250	28331-6	S	AUTO	X	4	5	MA	6	X	H1	OK					OK	
238:19:17:48:358	18: 8:358	0:20: 0	28331-7	L	AUTO	X	X	5	MA	6	X	H1	OK					OK	
238:19:18:10:108	19:17:608	1: 7:500	28331-8	S	AUTO	X	X	5	MA	6	X	H1	OK					OK	
238:19:21:23:358	21:25:858	0: 2:500	28332-1	S	AUTO	X	X	5	GS	6	X	H1	OK					OK	
238:19:21:27:608	21:28:108	0: 0:500	28332-2	L	AUTO	X	X	5	GS	6	X	H1	OK					OK	
238:19:21:29:858	21:34:858	0:10: 0	28332-3	S	AUTO	X	X	5	GS	6	X	H1	OK					OK	
238:19:21:41:608	21:43:108	0: 1:500	28332-4	L	AUTO	X	X	5	GS	6	X	H1	OK					OK	
238:19:21:44:608	22: 2:358	0:17:750	28332-5	S	AUTO	X	X	5	GS	6	X	H1	OK					OK	
238:19:35:30:858	35:33:608	0: 2:750	28332-6	S	AUTO	X	X	5	MA	6	A	H1	OK					OK	
238:19:35:35:358	35:35:858	0: 0:500	28332-7	L	AUTO	X	X	5	MA	6	X	H1	OK					OK	
238:19:35:37:358	35:40:358	0: 3: 0	28332-8	S	AUTO	X	X	5	MA	6	X	H1	OK					OK	
238:19:36: 5:108	36: 7:858	0: 2:750	28333-1	S	AUTO	X	X	5	MA	6	X	H1	OK					OK	
238:19:36: 9:608	36:10:108	0: 0:500	28333-2	L	AUTO	X	X	5	MA	6	X	H1	OK					OK	
238:19:36:11:608	36:15:858	0: 4:250	28333-3	S	AUTO	X	X	5	MA	6	X	H1	OK					OK	
238:19:36:38:358	36:48:358	0:10: 0	28333-4	S	MAN	X	X	5	MA	6	X	H1	OK					OK	

DATE 052275

PAGE 274

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 94

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT
	(ARCMINS)			(ARCSEC)					(ARCSEC)		(ARCMINS)		(KM)	(KM)	NO.
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY			GXB1	GYB1	-BETA-	-Z-			
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)			(Y)	(Z)	(AA)	(BB)	(CC)
2B331-1	-338.00	-515.00	37.50				.0		26.25	55.00	3107.30	840.30	446.70	398.20	1503
2B331-2	-338.00	-515.00	37.50	.00	.00	.00	.00		26.25	55.00	3107.30	845.40	446.70	399.30	1503
2B331-3	-338.00	-515.00	37.50	.00	.00	.00	.00		26.25	55.00	3107.30	855.00	446.70	401.60	1503
2B331-4	-338.00	-515.00	37.50	.00	.00	.00	.00		26.25	55.00	3107.30	862.30	446.70	403.20	1503
2B331-5	-338.00	-515.00	37.50	.00	.00	.00	.00		26.25	55.00	3107.30	888.80	446.70	408.90	1503
2B331-6	-337.00	-515.00	37.50	.00	.00	.00	.00		26.25	55.00	3107.00	903.70	446.80	412.00	1503
2B331-7	-337.00	-515.00	37.50	.00	.00	.00	.00		26.25	55.00	3107.00	996.00	446.80	428.00	1503
2B331-8	-337.00	-515.00	37.50	.00	.00	.00	.00		26.25	55.00	3106.70	1043.50	446.70	434.30	1503
2B332-1	-336.00	-515.00	37.50	.33	.00	.00	.00		26.25	55.00	3105.80	1398.00	446.00	439.70	1503
2B332-2	-336.00	-515.00	37.50	.00	.00	.00	.00		26.25	55.00	3105.80	1398.00	446.00	439.70	1503
2B332-3	-336.00	-515.00	37.50	.00	.00	.00	.00		26.25	55.00	3105.80	1398.00	446.00	439.70	1503
2B332-4	-336.00	-515.00	37.50	.00	.00	.00	.00		26.25	55.00	3105.80	1398.00	446.00	439.70	1503
2B332-5	-336.00	-515.00	37.50	.00	.00	.00	.00		26.25	55.00	3105.80	1398.00	446.00	439.70	1503
2B332-6	-333.00	17.50	558.70	.00	.00	.00	.00		26.25	55.00	3103.70	2283.20	432.60	116.60	1504
2B332-7	-333.00	17.50	558.70	.00	.00	.00	.00		26.25	55.00	3103.70	2283.20	432.60	116.60	1504
2B332-8	-333.00	17.50	558.70	.00	.00	.00	.00		26.25	55.00	3103.70	2283.20	432.60	116.60	1504
2B333-1	-333.00	56.30	558.70	.00	.00	.00	.00		26.25	55.00	3103.70	2265.30	431.50	125.20	1504
2B333-2	-333.00	45.00	558.70	.00	.00	.00	.00		26.25	55.00	3103.70	2265.30	431.50	125.20	1504
2B333-3	-333.00	45.00	558.70	.00	.00	.00	.00		26.25	55.00	3103.70	2265.30	431.50	125.20	1504
2B333-4	-333.00	27.50	558.70	.00	.00	.00	.00		26.25	55.00	3103.70	2265.30	431.50	125.20	1504
				.33	10.00	.00	.00		26.25	55.00					

SC82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1- 95

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP									TEMP		
OPEN	CLOSE	TIME	-G-		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	
238:19:37: 7:608	37:47:358	0:39:750	28333-5	S	MAN	X	X	5	MA	6	X	HI	OK			OK
238:19:38: 8:608	40:48:358	2:39:750	28333-6	S	MAN	X	4	5	MA	6	X	HI	OK			OK
239: 0:33:54:500	33:57: 0	0: 2:500	28333-7	S	MAN	X	4	5	MA	6	X	HI	OK			OK
239: 0:33:58:500	34: 1: 0	0: 2:500	28333-8	S	AUTO	X	4	5	MA	6	X	HI	OK			OK
239: 0:34: 4:750	34: 5:250	0: 3:500	28334-1	L	AUTO	X	4	5	MA	6	X	HI	OK			OK
239: 0:34: 6:750	34:16:750	0:10: 0	28334-2	S	AUTO	X	4	5	MA	6	X	HI	OK			OK
239: 0:34:18:750	34:20: 0	0: 1:250	28334-3	L	AUTO	X	4	5	MA	6	X	HI	OK			OK
239: 0:34:21:750	35: 1:750	0:40: 0	28334-4	S	MAN	X	4	5	MA	6	X	HI	OK			OK
239: 0:35: 3:500	35: 8:500	0: 5: 0	28334-5	L	AUTO	X	4	5	MA	6	X	HI	OK			OK
239: 0:35:10:250	37:50:750	2:40:500	28334-6	S	AUTO	X	4	5	MA	6	X	HI	OK			OK
239: 0:37:52:500	38:12:500	0:20: 0	28334-7	L	AUTO	X	4	5	MA	6	X	HI	OK			OK
239:12:36:13:553	41:13: 37	4:59:484	28334-8	S	MAN	2	4	5	G3	6	X	HI	OK			OK
239:12:41:30: 36	42:29: 33	0:58:997	28335-1	S	MAN	X	4	5	G3	6	X	HI	OK			OK
239:14:15:29:273	15:31:773	0: 2:500	28335-2	S	AUTO	X	X	5		6	X	HI	OK			OK
239:14:15:33:523	15:34: 23	0: 0:500	28335-3	L	AUTO	X	X	5		6	X	HI	OK			OK
239:14:15:35:523	15:45:773	0:10:250	28335-4	S	AUTO	X	4	5	GS	6	X	HI	OK			OK
239:14:15:47:522	15:48:772	0: 1:250	28335-5	L	AUTO	X	4	5	GS	6	X	HI	OK			OK
239:14:15:50:522	16:30:770	0:40:248	28335-6	S	AUTO	X	4	5	GS	6	X	HI	OK			OK
239:14:16:32:270	16:37:520	0: 5:250	28335-7	L	AUTO	X	4	5	GS	6	X	HI	OK			OK
239:14:16:38: 20	19:18: 12	2:39:992	28335-8	S	AUTO	X	4	5	GS	6	X	HI	OK			OK

50828-EDB

INSTRUMENT OPERATION  
PAGE 2- 95

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	----- EPG POINT -----		---- MAX PT EXC ----		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	(KM)	(KM)		
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)
28333-5	-332.00	37.50	561.20		.33	17.50	3.75	.0	26.25	55.00	3103.70	2235.30	430.40	140.70 1504
28333-6	-332.00	15.00	565.00		.66	127.50	13.75	.0	26.25	55.00	3103.70	2193.70	429.40	162.30 1504
28333-7	-5434.00	175.00	-660.00		.00	.00	.00	.0	26.25	55.00	3053.60	-2149.80	440.20	203.80 1506
28333-8	-5434.00	175.00	-660.00		.00	.00	.00	.0	26.25	55.00	3053.60	-2149.80	440.20	203.80 1506
28334-1	-5434.00	175.00	-660.00		.00	.00	.00	.0	26.25	55.00	3053.60	-2078.80	440.10	239.00 1506
28334-2	-5434.00	175.00	-660.00		.00	.00	.00	.0	26.25	55.00	3046.40	2198.90	428.20	157.40 1506
28334-3	-5434.00	175.00	-660.00		.00	.00	.00	.0	26.25	55.00	3040.60	-1704.80	441.70	380.60 1506
28334-4	-5434.00	175.00	-660.00		.00	.00	.00	.0	26.25	55.00	3053.60	-2149.80	440.20	203.80 1506
28334-5	-5434.00	175.00	-660.00		.00	.00	.00	.0	26.25	55.00	3053.60	-2149.80	440.20	203.80 1506
28334-6	-5434.00	175.00	-660.00		.00	.00	.00	.0	26.25	55.00	3053.60	-2078.80	440.10	239.00 1506
28334-7	-5434.00	175.00	-660.00		.00	.00	.00	.0	26.25	55.00	3046.40	2198.90	428.20	157.40 1506
28334-8	-4283.00	23.00	23.70		.00	.00	.00	.0	26.25	55.00	2943.00	234.50	437.20	86.70 1514
28335-1	-4282.00	23.00	23.70		.00	.00	.00	.0	26.25	55.00	2943.00	244.20	431.20	11.30 1514
28335-2	-70.00	815.00	214.00		.00	.00	.00	.0	26.25	55.00	2928.00	245.50	430.30	8.70 1515
28335-3	-70.00	815.00	214.00		.00	.00	.00	.0	26.25	55.00	2928.00	245.50	430.30	8.70 1515
28335-4	-70.00	815.00	214.00		.00	.00	.00	.0	26.25	55.00	2928.00	245.50	430.30	8.70 1515
28335-5	-70.00	815.00	214.00		.00	.00	.00	.0	26.25	55.00	2928.00	245.50	430.30	8.70 1515
28335-6	-70.00	815.00	214.00		.70	.00	.00	.0	26.25	55.00	2928.00	245.50	430.30	8.70 1515
28335-7	-70.00	815.00	214.50		.00	.00	.00	.0	26.25	55.00	2928.00	241.40	429.30	27.50 1515
28335-8	-70.00	815.00	214.50		.00	.00	.00	.0	26.25	55.00	2928.00	241.40	429.30	27.50 1515

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 96

SHUTTER -----		FRAME COUNT	-WVL-	STATE MODE (PRS)	UP EXP -----				TEMP				
OPEN	CLOSE	EXPOSURE TIME	-G-		(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
239:14:19:21:511	19:41:760	0:20:249	28336-1	L	AUTO	X	4	5	MA	6	X	H1	OK
239:18:59:53:708	59:54:208	0: 0:500	28336-2	L	AUTO	X	4	5	G3	6	X	H1	OK
239:18:59:55:958	59:58:458	0: 2:500	28336-3	S	AUTO	X	4	5	G3	6	X	H1	OK
239:19: 0: 0:208	0: 1:708	0: 1:500	28336-4	L	AUTO	X	4	5	G3	6	X	H1	OK
239:19: 0: 0:348	0:13:458	0:10: 0	28336-5	S	AUTO	X	4	5	G3	6	X	H1	OK
239:19: 0:0:15:458	0:20:458	0: 5: 0	28336-6	L	AUTO	X	4	5	G3	6	X	H1	OK
239:19: 0:22:208	1: 2:208	0:45: 0	28336-7	S	AUTO	X	4	5	G3	6	X	H1	OK
239:19: 1: 3:958	1:23:958	0:20: 0	28336-8	L	AUTO	X	X	5	MA	6	X	H1	OK
239:19: 1:27:458	4: 7:708	2:40:250	28337-1	S	AUTO	X	X	5	MA	6	X	H1	OK
239:19: 7:59:958	8: 2:545	0: 2:587	28337-2	S	AUTO	X	X	5	MA	6	X	H1	OK
239:19: 8: 4:211	8: 4:711	0: 0:500	28337-3	L	AUTO	X	X	5	MA	6	X	H1	OK
239:19: 8: 6:378	8:16:544	0:10:166	28337-4	S	AUTO	X	X	5	MA	6	X	H1	OK
239:19: 8:18:211	8:19:627	0: 1:416	28337-5	L	AUTO	X	X	5	GS	6	X	H1	OK
239:19: 8:21:210	9: 1:375	0:40:165	28337-6	S	AUTO	X	X	5	GA	6	X	H1	OK
239:19: 9: 3: 41	9: 8:208	0: 5:167	28337-7	L	AUTO	X	X	5	MA	6	X	H1	OK
239:19: 9: 9:875	11:49:947	2:40: 72	28337-8	S	AUTO	X	X	5	MA	6	X	H1	OK
239:19:11:53:446	12:13:530	0:20: 84	28338-1	L	AUTO	X	X	5	MA	6	X	H1	OK
239:19:15: 0: 21	15: 0:521	0: 0:500	28338-2	L	AUTO	X	X	5	G3	6	X	H1	OK
239:19:15: 2:104	15: 4:771	0: 2:667	28338-3	S	AUTO	X	X	5	G3	6	X	H1	OK
239:19:15: 6:437	15: 7:854	0: 1:417	28338-4	L	AUTO	X	X	5	G3	6	X	H1	OK

DATE 052275

PAGE 278

5082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 96

FRAME COUNT	EPC POINT				MAX PT EXC		LIMB OFF	--NRL BIAS--		ANGLE		ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.		
	(ARCMIN)		(ARCSEC)		(ARCMIN)			(ARCSEC)		(ARCMIN)						
	GAMRR	GAMX	GAMY	GAMER	GAMX	GAMY		GXB1	GYB1	-BETA-	-Z-	OPEN	OPEN			
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)		
2B336-1	-69.00	815.00	214.00				.0	26.25	55.00	2928.00	2248.00	426.80	127.30	1515		
2B336-2	-2403.00	891.20	50.00	.00	.00	.00	.0	26.25	55.00	2881.90	2270.80	426.40	113.00	1518		
2B336-3	-2403.00	891.20	50.00	.00	.00	.00	.0	26.25	55.00	2881.90	2270.80	426.40	113.00	1518		
2B336-4	-2403.00	891.20	50.00	.00	.00	.00	.0	26.25	55.00	2881.90	2188.10	425.80	159.30	1518		
2B336-5	-2403.00	891.20	50.00	.00	.00	.00	.0	26.25	55.00	2881.90	2188.10	425.80	159.30	1518		
2B336-6	-2403.00	891.20	50.00	.00	.00	.00	.0	26.25	55.00	2881.90	2188.10	425.80	159.30	1518		
2B336-7	-2403.00	891.20	50.00	.00	.00	.00	.0	26.25	55.00	2881.90	2188.10	425.80	159.30	1518		
2B336-8	-2402.00	891.20	50.00	.00	.00	.00	.0	26.25	55.00	2881.90	2095.30	425.40	207.10	1518		
2B337-1	-2402.00	891.20	50.00	.00	.00	.00	.0	26.25	55.00	2881.90	2095.30	425.40	207.10	1518		
2B337-2	-2592.00	922.50	50.00	.00	.00	.00	.0	26.25	55.00	2881.50	1377.30	425.50	418.60	1518		
2B337-3	-2592.00	922.50	50.00	.00	.00	.00	.0	26.25	55.00	2881.40	1228.10	426.00	426.00	1518		
2B337-4	-2592.00	922.50	50.00	.33	.00	.00	.0	26.25	55.00	2681.40	1223.00	426.00	426.00	1518		
2B337-5	-2592.00	922.50	50.00	.00	.00	.00	.0	26.25	55.00	2881.40	1194.80	426.00	425.70	1518		
2B337-6	-2592.00	922.50	50.00	.00	.00	.00	.0	26.25	55.00	2881.40	1187.70	426.00	425.60	1518		
2B337-7	-2592.00	922.50	50.00	.00	.00	.00	.0	26.25	55.00	2881.20	1087.90	426.50	421.20	1518		
2B337-8	-2592.00	922.50	50.00	.00	.00	.00	.0	26.25	55.00	2881.20	1071.30	426.50	419.80	1518		
2B338-1	-2592.00	922.50	50.00	.00	.00	.00	.0	26.25	55.00	2880.80	666.50	427.90	338.10	1518		
2B338-2	-2815.00	955.00	50.00	.00	.00	.00	.0	26.25	55.00	2879.90	189.50	431.50	121.80	1518		
2B338-3	-2815.00	955.00	50.00	.00	.00	.00	.0	26.25	55.00	2879.90	184.10	431.50	118.60	1518		
2B338-4	-2815.00	955.00	50.00	.66	.00	.00	.0	26.25	55.00	2879.90	173.00	431.50	111.90	1518		
				.00	.00	.00	.00	26.25	55.00							

SO826-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 97

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	UP EXP								TEMP					
OPEN	CLOSE	EXPOSURE TIME	-G-		(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP CL
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)			
239:19:15: 9:52	15:19:687	0:10:166	28338-5	S		AUTO	X	4	5	63	6	X	H1	OK			OK	
239:19:15:21:354	15:26:520	0: 5:166	28338-6	L		AUTO	X	4	5	63	6	X	H1	OK			OK	
239:19:15:28:186	16: 8:264	0:40: 83	28338-7	S		AUTO	X	4	5	63	6	X	H1	OK			OK	
239:19:16: 9:935	16:30: 18	0:20: 83	28338-8	L		AUTO	X	4	5	63	6	X	H1	OK			OK	
239:19:16:33:519	19:13:674	2:40:155	28339-1	S		AUTO	X	4	5	63	6	A	H1	OK			OK	
239:20: 4: 2:802	4: 5:469	0: 2:667	28339-2	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK		
239:20: 4: 7:136	4: 7:636	0: 0:500	28339-3	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK		
239:20: 4: 9:302	4:19:468	0:10:166	28339-4	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK		
239:20: 4:21: 51	4:22:468	0: 1:417	28339-5	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK		
239:20: 4:24:135	5: 4:301	0:40:166	28339-6	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK		
239:20: 5: 5:885	5:10:958	0: 5: 73	28339-7	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK		
239:20: 5:12:708	7:52:708	2:40: 0	28339-8	S	LMB PT AUTO S	X	X	5	M3	6	A	H1	OK			OK		
239:20: 7:56:208	8:16:458	0:20:250	28340-1	L	LMB PT AUTO S	X	X	5	M3	6	A	H1	OK			OK		
239:20: 8:17:958	8:20:708	0: 2:750	28340-2	S	LMB PT AUTO S	X	X	5	M3	6	A	H1	OK			OK		
239:20: 8:22:208	8:22:708	0: C:500	28340-3	L	LMB PT AUTO S	X	X	5	M3	6	A	H1	OK			OK		
239:20: 8:24:458	8:34:708	0:10:250	28340-4	S	LMB PT AUTO S	X	X	5	M3	6	A	H1	OK			OK		
239:20: 8:36:208	8:37:708	0: 1:500	28340-5	L	LMB PT AUTO S	X	X	5	M3	6	A	H1	OK			OK		
239:20: 8:39:208	9:19:458	0:40:250	28340-6	S	LMB PT AUTO S	X	X	5	M3	6	A	H1	OK			OK		
239:20: 9:21:208	9:26:208	0: 5: 0	28340-7	L	LMB PT AUTO S	X	X	5	M3	6	A	H1	OK			OK		
239:20: 9:27:958	12: 8:208	2:40:250	28340-8	S	LMB PT AUTO S	X	X	5	M3	6	A	H1	OK			OK		

DATE 052275

PAGE 280

5082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 97

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF	NRL BIAS		ANGLE		ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.	
	(ARCMIN)		(ARCSEC)			(ARCMIN)		(ARCMIN)					
	GAMRR	GAMX	GANY	GAMRK	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	OPEN	OPEN	
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)
2B338-5	-2815.00	955.00	50.00				.00	26.25	55.00	2879.90	165.00	431.50	107.10 1518
2B338-6	-2815.00	955.00	50.00	.66	.00	.00	.00	26.25	55.00	2879.90	134.50	431.50	88.40 1518
2B338-7	-2815.00	955.00	50.00	.00	.00	.00	.00	26.25	55.00	2879.90	116.80	431.50	77.40 1518
2B338-8	-2815.00	955.00	50.00	.66	.00	.00	.00	26.25	55.00	2879.60	9.10	432.50	6.30 1518
2B339-1	-2815.00	955.00	50.00				.00	26.25	55.00	2879.60	-53.00	432.50	431.70 1518
2B339-2	-2798.00	970.00	62.50	.66	.00	.00	.00	26.25	55.00	2871.40	178.50	446.80	117.40 1518
2B339-3	-2798.00	970.00	62.50	.99	.00	.00	1.00	26.25	55.00	2871.40	189.60	446.80	124.20 1518
2B339-4	-2798.00	970.00	62.50	.00	.00	.00	-12.0	26.25	55.00	2871.40	195.20	446.80	127.50 1518
2B339-5	-2798.00	970.00	62.50	.99	.00	.00	-12.0	26.25	55.00	2871.40	225.30	446.80	145.40 1518
2B339-6	-2797.00	970.00	62.50	.99	.00	.00	1.00	26.25	55.00	2871.40	-13.0	446.80	150.00 1518
2B339-7	-2797.00	970.00	72.50	.00	.00	10.00	-1.00	26.25	55.00	2871.10	340.40	447.00	208.90 1518
2B339-8	-2797.00	970.00	62.50	.00	.00	.00	-12.0	26.25	55.00	2871.10	357.80	447.00	217.90 1518
2B340-1	-2797.00	970.00	62.50	.00	.00	.00	-12.0	26.25	55.00	2870.50	771.40	447.30	380.90 1518
2B340-2	-2797.00	970.00	62.50	.00	.00	.00	-3.0	26.25	55.00	2870.10	825.30	447.30	394.90 1518
2B340-3	-2797.00	970.00	62.50	.00	.00	.00	-4.0	26.25	55.00	2870.10	835.80	447.30	397.50 1518
2B340-4	-2797.00	970.00	62.50	.00	.00	.00	-3.0	26.25	55.00	2870.10	841.30	447.30	398.80 1518
2B340-5	-2797.00	970.00	62.50	.00	.00	.00	-4.0	26.25	55.00	2870.10	870.40	447.30	405.40 1518
2B340-6	-2797.00	970.00	62.50	.00	.00	.00	-4.0	26.25	55.00	2870.10	877.80	447.30	407.00 1518
2B340-7	-2796.00	970.00	62.50	.00	.00	.00	-4.0	26.25	55.00	2869.80	980.70	447.20	426.10 1518
2B340-8	-2796.00	970.00	62.50	.00	.00	.00	-4.0	26.25	55.00	2869.80	980.70	447.20	426.10 1518

SO82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 98

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP				TEMP								
OPEN	CLOSE	TIME	EXPOSURE		-G-	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP	CL	
239:20:12:11:708	12:31:708	0:20: C	2B341-1	L	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:12:33:458	12:35:958	0: 2:500	2B341-2	S	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:12:37:708	12:38:208	0: 0:500	2B341-3	L	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:12:39:708	12:49:958	0:10:250	2B341-4	S	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:12:51:708	12:52:958	0: 1:250	2B341-5	L	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:12:54:708	13:34:958	0:40:250	2B341-6	S	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:13:36:458	13:41:708	0: 5:250	2B341-7	L	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:13:43:208	16:23:458	2:40:250	2B341-8	S	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:16:26:958	16:46:958	0:20: D	2B342-1	L	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:16:48:708	16:51:458	0: 2:750	2B342-2	S	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:16:52:958	16:53:458	0: 0:500	2B342-3	L	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:16:55:208	17: 5:458	0:10:250	2B342-4	S	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:17: 6:958	17: 8:458	0: 1:500	2B342-5	L	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:17:10:208	17:50:208	0:40: D	2B342-6	S	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:17:51:958	17:56:958	0: 5: 0	2B342-7	L	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:17:58:708	20:38:708	2:40: C	2B342-8	S	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:20:42:208	21: 2:458	0:20:250	2B343-1	L	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:21: 3:958	21:14:208	0:10:250	2B343-2	S	LMB PT AUTO S	X	X	X	5	M3	6	X	H1	OK			OK	
239:20:21:15:708	21:18:458	0: 2:750	2B343-3	L	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	
239:20:21:20:208	22: 0:450	0:40:250	2B343-4	S	LMB PT AUTO S	X	X	X	5	M3	6	A	H1	OK			OK	

DATE 052275

PAGE 282

5082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 2- 98

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT		MAX FT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(H)	ORBIT
	(ARCMIN)	(ARCSEC)	(ARCMIN)	(ARCSEC)			(ARCSEC)		(ARCMIN)		(KM)	(KM)	NO.
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-			
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)
2B341-1	-2794.00	970.00	62.50	.99	.00	.00	-4.0	26.25	55.00	2868.90	1356.70	446.30	443.00 1518
2B341-2	-2795.00	970.00	62.50	1.32	.00	.00	-2.0	26.25	55.00	2868.90	1356.70	446.30	443.00 1518
2B341-3	-2795.00	970.00	62.50	.00	.00	.00	-2.0	26.25	55.00	2868.90	1356.70	446.30	443.00 1518
2B341-4	-2795.00	970.00	62.50	.33	.00	.00	-2.0	26.25	55.00	2868.90	1356.70	446.30	443.00 1518
2B341-5	-2795.00	970.00	62.50	.00	.00	.00	-3.0	26.25	55.00	2868.90	1356.70	446.30	443.00 1518
2B341-6	-2795.00	970.00	62.50	.00	.00	.00	-3.0	26.25	55.00	2868.90	1356.70	446.30	443.00 1518
2B341-7	-2795.00	970.00	62.50	.00	.00	.00	-1.00	26.25	55.00	2868.60	1491.70	445.70	428.80 1518
2B341-8	-2795.00	970.00	62.50	1.32	.00	.00	-2.0	26.25	55.00	2868.60	1491.70	445.70	428.80 1518
2B342-1	-2795.00	970.00	62.50	.00	.00	.00	-2.0	26.25	55.00	2867.80	1865.40	443.50	333.20 1518
2B342-2	-2795.00	970.00	62.50	.00	.00	.00	1.0	26.25	55.00	2867.80	1865.40	443.50	333.20 1518
2B342-3	-2795.00	970.00	62.50	.00	.00	.00	1.0	26.25	55.00	2867.80	1865.40	443.50	333.20 1518
2B342-4	-2795.00	970.00	62.50	.00	.50	.00	1.0	26.25	55.00	2867.80	1865.40	443.50	333.20 1518
2B342-5	-2794.00	970.00	62.50	.00	.00	.00	1.00	26.25	55.00	2867.60	1977.10	442.60	288.60 1518
2B342-6	-2794.00	970.00	62.50	.00	.00	.00	0.0	26.25	55.00	2867.60	1977.10	442.60	288.60 1518
2B342-7	-2794.00	970.00	62.50	.00	.00	.00	0.0	26.25	55.00	2867.60	1977.10	442.60	288.60 1518
2B342-8	-2794.00	970.00	62.50	.00	.00	.00	0.0	26.25	55.00	2867.60	1977.10	442.60	288.60 1518
2B343-1	-2794.00	970.00	62.50	.99	.00	.00	0.0	26.25	55.00	2867.00	2261.80	439.30	140.90 1518
2B343-2	-2794.00	970.00	62.50	.00	.00	.00	2.0	26.25	55.00	2866.90	2336.90	438.10	93.70 1518
2B343-3	-2794.00	970.00	62.50	.00	.00	.00	2.0	26.25	55.00	2866.90	2336.90	438.10	93.70 1518
2B343-4	-2794.00	970.00	62.50	.33	.00	.00	2.0	26.25	55.00	2866.90	2336.90	438.10	93.70 1518

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 99

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP				TEMP						
OPEN	CLOSE	TIME	-G#	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
239:20:22: 1:958	22:12:206	C:1C:25C	2B343-5	L	LMB PT AUTO S	X	X	S	GA	6	A	H1	OK			OK
239:20:22:13:708	24:53:958	2:4C:25C	2B343-6	S	LMB PT AUTO S	X	X	S	MA	6	A	H1	OK			OK
239:20:24:55:708	25:35:958	C:4C:25C	2B343-7	L	LMB PT AUTO S	X	X	S	M3	6	A	H1	OK			OK
239:20:25:37:458	36:17:706	1G:4C:250	2B343-8	S	LMB PT AUTO S	X	X	S	M3	6	A	H1	OK			OK
239:20:36:21:208	39: 1:208	2:4C: C	2B344-1	L	LMB PT AUTO S	X	X	S	M3	6	A	H1	OK			OK
239:20:39: 2:958	39:13:208	G:1C:25C	2B344-2	S	LMB PT AUTO S	X	X	S	M3	6	A	H1	OK			OK
239:20:39:14:708	39:17:458	C: 2:75C	2B344-3	L	LMB PT AUTO S	X	X	S	M3	6	X	H1	OK			OK
239:20:39:19:208	39:59:456	G:4C:250	2B344-4	S	LMB PT AUTO S	X	X	S	M3	6	X	H1	OK			OK
239:20:40: 1:208	40:11:208	C:1C: G	2B344-5	L	LMB PT AUTO S	X	X	S	M3	6	X	H1	OK			OK
239:20:40:12:958	42:52:950	2:39:992	2B344-6	S	LMB PT AUTO S	X	X	S	M3	6	X	H1	OK			OK
239:20:42:54:362	43:34:526	G:4C:164	2B344-7	L	LMB PT AUTO S	X	X	S	M3	6	X	H1	OK			OK
239:20:43:36:192	51:20:756	7:44:564	2B344-8	S	LMB PT AUTO S	X	X	S	M3	6	X	H1	OK			OK
239:21:33:38: 48	36:18: 41	2:39:993	2B345-1	L	LM SC AUTO S	X	4	5	MA	6	A	H1	OK			OK
239:21:36:19:791	36:29:790	G: 9:999	2B345-2	S	LMB PT AUTO S	X	4	5	MA	6	A	H1	OK			OK
239:21:36:31:540	36:34:290	G: 2:750	2B345-3	L	LMB PT AUTO S	X	4	5	MA	6	A	H1	OK			OK
239:21:36:35:790	37:16: 38	G:4C:248	2B345-4	S	LMB PT AUTO S	X	4	5	MA	6	A	H1	OK			OK
239:21:37:17:788	37:27:787	G: 9:999	2B345-5	L	LMB PT AUTO S	X	4	5	MA	6	X	H1	OK			OK
239:21:37:29:537	40: 9:529	2:39:992	2B345-6	S	LMB PT AUTO S	X	4	5	MA	6	X	H1	OK			OK
239:21:40:11:279	40:51:527	G:4C:248	2B345-7	L	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK			OK
239:21:40:53:277	51:33:244	10:39:967	2B345-8	S	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK			OK

DATE 052275

PAGE 284

SC82B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 99

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPC POINT		MAX PT EXC		LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.			
	GAMRR	GAMX	GANY	GAMR	GAMX	GAMY	GXB1	GYB1						
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)
2B343-5	-2793.00	970.00	62.50				2.0	26.25	55.00	2866.80	2400.60	436.90	50.70	1518
2B343-6	-2793.00	970.00	62.50	.00	.00	.00	2.0	26.25	55.00	2866.80	2400.60	436.90	50.70	1518
2B343-7	-2793.00	970.00	62.50	.33	.00	.00	2.0	26.25	55.00	2866.60	2490.70	434.50	-15.40	1518
2B343-8	-2793.00	970.00	62.50	.00	.00	.00	2.0	26.25	55.00	2866.50	2515.70	433.30	-35.50	1518
2B344-1	-2791.00	970.00	62.50	1.32	.00	.00	2.0	26.25	55.00	2866.30	1923.00	424.90	283.80	1519
2B344-2	-2790.00	970.00	62.50	.33	.00	.00	4.0	26.25	55.00	2866.10	1554.20	425.10	393.30	1519
2B344-3	-2790.00	970.00	62.50	.33	.00	.00	4.0	26.25	55.00	2866.10	1554.20	425.10	393.30	1519
2B344-4	-2790.00	970.00	62.50	.00	.00	.00	4.0	26.25	55.00	2866.10	1554.20	425.10	393.30	1519
2B344-5	-2790.00	970.00	62.50	.33	.00	.00	4.0	26.25	55.00	2866.00	1417.50	425.10	393.30	1519
2B344-6	-2790.00	970.00	62.50	.33	.00	.00	4.0	26.25	55.00	2866.10	1392.00	425.10	393.30	1519
2B344-7	-2789.00	970.00	62.50	.33	.00	.00	4.0	26.25	55.00	2865.70	1005.90	426.40	412.80	1519
2B344-8	-2789.00	970.00	62.50	.33	.00	.00	4.0	26.25	55.00	2865.60	902.40	427.10	397.30	1519
2B345-1	-2881.00	977.50	62.50	.99	.00	.00	4.0	26.25	55.00	2856.90	-389.70	444.80	401.00	1519
2B345-2	-2880.00	977.50	62.50	.00	.00	.00	1.00	26.25	55.00	2856.00	28.40	446.30	19.80	1519
2B345-3	-2880.00	977.50	62.50	.00	.00	.00	6.0	26.25	55.00	2856.00	58.80	446.30	40.60	1519
2B345-4	-2880.00	977.50	62.50	.00	.00	.00	6.0	26.25	55.00	2856.00	69.80	446.30	48.00	1519
2B345-5	-2880.00	977.50	62.50	.00	.00	.00	6.0	26.25	55.00	2855.70	178.50	446.60	117.40	1519
2B345-6	-2880.00	977.50	62.50	.00	.00	.00	6.0	26.25	55.00	2855.70	208.80	446.60	135.70	1519
2B345-7	-2879.00	977.50	62.50	.33	.00	.00	6.0	26.25	55.00	2854.80	623.50	447.30	333.70	1519
2B345-8	-2879.00	977.50	62.50	.33	.00	.00	1.00	26.25	55.00	2854.80	729.60	447.30	368.80	1519
				.66	.00	.00	-1.00	26.25	55.00					

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 100

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP												TEMP
OPEN	CLOSE	EXPOSURE TIME	-G2		(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
239:21:51:36:744	54:16:986	2:40:242	28346-1	L	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:21:54:18:485	54:28:735	0:10:250	28346-2	S	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:21:54:30:485	54:32:985	0: 2:500	28346-3	L	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:21:54:34:735	55:14:963	0:40:248	28346-4	S	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:21:55:16:483	55:26:732	0:10:249	28346-5	L	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:21:55:28:482	58: 8:473	2:39:991	28346-6	S	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:21:58:10:223	58:50:471	0:40:248	28346-7	L	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:21:58:51:958	9:31:958	10:40: 0	28346-8	S	LMB PT AUTO S	X	4	5	MA	6	X	H1	OK				OK
239:22: 9:35:674	12:15:666	2:39:992	28347-1	S	LMB PT AUTO S	X	X	S	MA	X	X	H1	OK				OK
239:22:12:17:416	12:33:416	0:16: 0	28347-2	S	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:22:12:35:166	12:39:416	0: 4:250	28347-3	L	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:22:12:40:916	13:45:162	1: 4:246	28347-4	S	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:22:13:46:912	14: 2:911	0:15:999	28347-5	L	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:22:14: 4:606	18:20:760	4:16:154	28347-6	S	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:22:18:22:426	19:26:591	1: 4:165	28347-7	L	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:22:19:26:174	26: 0:744	6:32:570	28347-8	S	LMB PT AUTO S	X	X	S	MA	6	X	H1	OK				OK
239:23: 8:54:686	13:10:673	4:15:987	28348-1	L	LMB PT AUTO S	X	4	5	MA	6	X	H1	OK				OK
239:23:13:12:423	13:28:422	0:15:999	28348-2	S	LMB PT AUTO S	X	4	5	MA	6	X	H1	OK				OK
239:23:13:30:172	13:34:422	0: 4:250	28348-3	L	LMB PT AUTO S	X	4	5	MA	6	X	H1	OK				OK
239:23:13:35:921	14:40:168	1: 4:247	28348-4	S	LMB PT AUTO S	X	4	5	MA	6	X	H1	OK				OK

DATE 052275

PAGE 286

5082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 100

FRAME COUNT (ARCMINS)	----- EPC POINT -----			---- MAX PT EXC ----			LIMB OFF (ARCSEC)	--NRL BIAS-- (ARCSEC)		ANGLE (ARCMINS)		ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.				
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1	-BETA- OPEN	-Z- OPEN							
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)				
2B346-1	-2877.00	977.50	62.50				6.0	26.25	55.00	2851.60	2067.20	441.80	247.40	1519				
2B346-2	-2876.00	977.50	62.50	.33	.00	.00		26.25	55.00	2851.10	2332.80	438.50	96.90	1519				
2B346-3	-2876.00	977.50	62.50		.00	.00		26.25	55.00	2851.10	2332.80	438.50	96.90	1519				
2B346-4	-2876.00	977.50	62.50		.00	.00		26.25	55.00	2851.10	2332.80	438.50	96.90	1519				
2B346-5	-2876.00	977.50	62.50		.33	.00		26.25	55.00	2851.00	2400.10	437.30	51.70	1519				
2B346-6	-2876.00	977.50	62.50		.00	.00		26.25	55.00	2851.00	2400.10	437.30	51.70	1519				
2B346-7	-2875.00	977.50	62.50		.33	.00		26.25	55.00	2850.80	2526.30	433.70	-42.50	1519				
2B346-8	-2875.00	977.50	62.50		.33	.00		26.25	55.00	2850.80	2526.30	433.70	-42.50	1519				
2B347-1	-2873.00	977.50	62.50		.66	.00		26.25	55.00	2850.50	1962.70	425.20	267.80	1519				
2B347-2	-2872.00	977.50	62.50		.00	.00		26.25	55.00	2850.40	1596.40	425.30	-295.10	1520				
2B347-3	-2872.00	977.50	62.50		.00	.00		26.25	55.00	2850.30	1462.50	425.60	-180.80	1520				
2B347-4	-2872.00	977.50	62.50		.00	.00		26.25	55.00	2850.30	1462.50	425.60	-180.80	1520				
2B347-5	-2872.00	977.50	62.50		.00	.00		26.25	55.00	2850.10	1323.90	426.10	-73.20	1520				
2B347-6	-2872.00	977.50	62.50		.00	.00		26.25	55.00	2850.10	1323.90	426.10	-73.20	1520				
2B347-7	-2871.00	977.50	62.50		.66	.00		26.25	55.00	2849.40	735.00	428.70	273.70	1520				
2B347-8	-2870.00	977.50	62.50		.33	.00		26.25	55.00	2849.20	581.80	429.60	332.30	1520				
2B348-1	-2860.00	987.50	62.50		.33	.00		26.25	55.00	2840.80	-76.90	445.80	444.10	1520				
2B348-2	-2858.00	987.50	62.50		.66	.00		26.25	55.00	2839.20	590.20	447.30	321.40	1520				
2B348-3	-2858.00	987.50	62.50		.33	.00		26.25	55.00	2839.20	635.40	447.30	338.00	1520				
2B348-4	-2858.00	987.50	62.50		.00	.00		26.25	55.00	2839.20	650.10	447.30	343.10	1520				
				.99	.00	.00		26.25	55.00									

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 101

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	EXPOSURE TIME	-G-	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
239:23:14:41:918	14:57:917	0:15:999	28348-5	L	LMB PT	AUTO S	X	X	5	MA	6	X	H1	OK	OK
239:23:14:59:667	19:15:905	4:16:236	28348-6	S	LMB PT	AUTO S	X	X	5	MA	6	X	H1	OK	OK
239:23:19:17:655	20:21:652	1: 3:997	28348-7	L	LMB PT	AUTO S	X	X	5	MA	6	X	H1	OK	OK
239:23:20:23:458	37:27:600	17: 4:142	28348-8	S	LMB PT	AUTO S	X	4	5	MA	6	X	H1	OK	OK
239:23:37:31:100	41:47:337	4:16:237	28349-1	L	LMB PT	AUTO S	X	X	5	MA	6	X	H1	OK	OK
239:23:45:59:325	46:38:323	0:38:998	28349-2	S	LMB PT	MAN	X	X	5	GS	6	X	H1	OK	OK
239:23:49:10:172	51:49:249	2:39: 77	28349-3	S	LMB PT	MAN	X	X	5	MA	6	X	H1	OK	OK
239:23:54:46:327	55:26:242	0:39:915	28349-4	S	BORE	MAN	X	X	5	GS	6	X	H1	OK	OK
239:23:55:51:492	58:31:232	2:39:746	28349-5	S	BORE	MAN	X	X	5	G3	6	X	H1	OK	OK
240:12:20:56:558	23:35:558	2:39: 0	28349-6	S		MAN	X	X	5	GS	6	X	H1	OK	OK
240:13: 8:22:308	13:41:266	5:18:958	28349-7	S		MAN	X	X	5	GS	6	X	H1	OK	OK
240:13:27:58:558	28:56:308	0:59:750	28349-8	S		MAN	2	4	5	G3	6	X	H1	OK	OK
240:13:29:26:308	34:26:308	5: C: 0	28350-1	S		MAN	2	4	5	G3	6	X	H1	OK	OK
240:15:26:25: 50	26:27:808	0: 2:750	28350-2	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
240:15:26:29:308	26:29:808	0: 0:500	28350-3	L	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
240:15:26:31:558	26:41:558	0:10: 0	28350-4	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
240:15:26:43:308	26:44:808	0: 1:500	28350-5	L	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
240:15:26:46:308	27:26:558	0:40:250	28350-6	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
240:15:27:28: 58	27:33:308	0: 5:250	28350-7	L	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
240:15:27:34:808	30:15: 58	2:40:250	28350-8	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK

DATE 052275

PAGE 288

SC82B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 101

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCSEC)	(ARCSEC)	(ARCMINS)	(KM)	(KM)		
	GAMRR	GAMX	GAMY	GAMRF	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	OPEN	OPEN	
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)
2B348-5	-2858.00	987.50	62.50				19.0	26.25	55.00	2838.90	816.90	447.40	392.90 1520
2B348-6	-2858.00	987.50	62.50	.66	.00	.00	19.0	26.25	55.00	2838.90	861.50	447.40	403.50 1520
2B348-7	-2856.00	987.50	62.50	.99	.00	.00	19.0	26.25	55.00	2837.30	1438.40	446.00	435.70 1520
2B348-8	-2856.00	987.50	62.50	.66	.00	.00	-1.00	26.25	55.00	2837.00	1572.80	445.40	415.20 1520
2B349-1	-2853.00	987.50	62.50	.99	.00	.00	20.0	26.25	55.00	2835.00	2433.60	427.70	11.60 1520
2B349-2	-5676.00	138.70	-790.00	.66	.00	.00	-50.0	26.25	55.00	2834.70	1638.60	425.30	375.40 1520
2B349-3	-5674.00	138.70	-790.00	.00	.00	.00	-50.0	26.25	55.00	2834.20	1053.10	427.10	418.60 1520
2B349-4	-5672.00	-30.00	346.20	.33	.00	.00	.0	26.25	55.00	2833.10	191.90	431.20	123.10 1520
2B349-5	-5672.00	-30.00	346.20	.00	.00	.00	.0	26.25	55.00	2832.80	21.30	432.20	14.70 1521
2B349-6	-3945.00	-223.70	-503.70	.33	.00	.00	.0	26.25	55.00	2705.80	326.60	431.50	197.50 1528
2B349-7	-3938.00	20.00	381.20	.00	.00	.00	.0	26.25	55.00	2697.30	2.50	446.90	34.00 1528
2B349-8	-4196.00	23.70	23.70	.00	.00	.00	.0	26.25	55.00	2692.10	2510.00	436.70	-25.00 1529
2B350-1	-4196.00	23.70	23.70	.00	.00	.00	.0	26.25	55.00	2691.90	2630.70	434.20	120.40 1529
2B350-2	1167.00	-15.00	-25.00	.00	.00	.00	.0	26.25	55.00	2673.50	410.60	431.10	238.70 1530
2B350-3	1167.00	-15.00	-25.00	.00	.00	.00	.0	26.25	55.00	2673.50	410.60	431.10	238.70 1530
2B350-4	1167.00	-15.00	-25.00	.00	.00	.00	.0	26.25	55.00	2673.50	410.60	431.10	238.70 1530
2B350-5	1167.00	-15.00	-25.00	.00	.00	.00	.0	26.25	55.00	2673.50	410.60	431.10	238.70 1530
2B350-6	1167.00	-15.00	-25.00	.00	.00	.00	.0	26.25	55.00	2673.50	410.60	431.10	238.70 1530
2B350-7	1167.00	-15.00	-25.00	.00	.00	.00	.0	26.25	55.00	2673.20	246.30	432.10	154.50 1530
2B350-8	1167.00	-15.00	-25.00	.00	.00	.00	.0	26.25	55.00	2673.20	246.30	432.10	154.50 1530

5082B-EDB  
INSTRUMENT OPERATION  
PAGE 1 - 102

~~5-22-75 AT 2 HOURS 55 MINS 48 SECS~~

PAGE 1- 102

----- SHUTTER -----

FRAME COUNT -WVL-

**STATE MODE  
(PRS)**

OP EXP -----

TEMP

EXPOSURE														OP	CL	
OPEN	CLOSE	TIME	-G	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)														
240:15:30:18:558	30:38:558	0:20: 0	2B351-1	L	BORE	AUTO	X	X	5		6	X	H1	OK		
240:16:18:39:558	18:40: 58	0: 0:500	2B351-2	L		AUTO	X	X	5		6	X	H1	OK	OK	
240:16:18:41:808	18:44:308	0: 2:500	2B351-3	S		AUTO	X	X	5		6	X	H1	OK	OK	
240:16:18:46: 58	18:47:558	0: 1:500	2B351-4	L		AUTO	X	X	5	GS	6	X	H1	OK	OK	
240:16:18:49: 58	18:59:308	0:10:250	2B351-5	S		AUTO	X	X	5	GS	6	X	H1	OK	OK	
240:16:19: 0:808	19: 6: 58	0: 5:250	2B351-6	L		AUTO	X	X	5	GS	6	X	H1	OK	OK	
240:16:19: 7:558	19:47:808	0:40:250	2B351-7	S		AUTO	X	X	5	GS	6	X	H1	OK	OK	
240:16:19:49:558	20: 9:558	0:20: 0	2B351-8	L		AUTO	X	X	5	GS	6	X	H1	OK	OK	
240:16:20:13: 58	22:53: 58	2:40: 0	2B352-1	S		AUTO	X	X	5	GS	6	X	H1	OK	OK	
240:16:50:44: 74	56: 3:727	5:19:653	2B352-2	S	BORE	MAN	X	X	5	GS	6	X	H1	OK	OK	
240:17: 1: 6:308	3:45:808	2:39:500	2B352-3	S	BORE	MAN	X	X	5	M3	6	X	H1	OK	OK	
240:17:47:28:808	47:31:308	0: 2:500	2B352-4	S		AUTO	X	X	5		6	X	H1	OK		
240:17:47:33: 58	47:33:558	0: 0:500	2B352-5	L		AUTO	X	X	5		6	X	H1	OK	OK	
240:17:47:35:308	47:45:308	0:10: 0	2B352-6	S		AUTO	X	X	5	GS	6	X	H1	OK	OK	
240:17:47:47: 58	47:48:558	0: 1:500	2B352-7	L		AUTO	X	X	5	GS	6	X	H1	OK	OK	
240:17:47:50: 58	48:30:308	0:40:250	2B352-8	S		AUTO	X	X	5	GS	6	X	H1	OK	OK	
240:17:48:33:808	48:38:808	0: 5: 0	2B353-1	L		AUTO	X	X	5	M3	6	X	H1	OK	OK	
240:17:48:40:558	48:51:308	0:10:750	2B353-2	S		AUTO	X	X	5	M3	6	X	H1	OK	OK	
240:17:55: 7:308	55:10: 58	0: 2:750	2B353-3	S		AUTO	X	X	5	MA	6	X	H1	OK	OK	
240:17:55:11:558	55:12: 58	0: 0:500	2B353-4	X		AUTO	X	X	5	MA	6	X	H1	OK	OK	

DATE 052275

PAGE 290

SC82B-EDB  
 INSTRUMENT OPERATION . 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2 - 102

FRAME COUNT (ARCMINS)	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE		ORBIT NO.	
	(ARCSEC)		(ARCMINS)		(ARCSEC)		(ARCSEC)		(ARCMINS)		(KM)			
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	(AA)	(BB)		
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)	
2B351-1	1168.00	-15.00	-25.00			.00	26.25	55.00	2672.10	-300.20	435.30	409.30	1530	
2B351-2	-411.00	930.00	148.70	.00	.00	.00	26.25	55.00	2663.70	466.10	447.70	270.10	1530	
2B351-3	-411.00	930.00	148.70	.00	.00	.00	26.25	55.00	2663.70	466.10	447.70	270.10	1530	
2B351-4	-411.00	930.00	148.70	.00	.00	.00	26.25	55.00	2663.70	466.10	447.70	270.10	1530	
2B351-5	-411.00	930.00	148.70	.00	.00	.00	26.25	55.00	2663.70	466.10	447.70	270.10	1530	
2B351-6	-411.00	930.00	148.70	.00	.00	.00	26.25	55.00	2663.30	628.60	447.70	335.80	1530	
2B351-7	-411.00	930.00	148.70	.00	.00	.00	26.25	55.00	2663.30	628.60	447.70	335.80	1530	
2B351-8	-411.00	930.00	148.70	.00	.00	.00	26.25	55.00	2663.30	628.60	447.70	335.80	1530	
2B352-1	-410.00	930.00	148.70	.00	.00	.00	26.25	55.00	2663.00	789.60	447.60	386.00	1530	
2B352-2	-401.00	-601.20	73.70	.00	.00	.00	26.25	55.00	2658.90	1838.00	424.80	315.70	1531	
2B352-3	-399.00	-616.20	83.70	.00	.00	.00	26.25	55.00	2656.70	122.30	432.90	81.00	1531	
2B352-4	-135.00	908.70	216.20	.00	.00	.00	26.25	55.00	2648.50	-152.20	447.00	440.30	1531	
2B352-5	-135.00	908.70	216.20	.00	.00	.00	26.25	55.00	2648.70	-141.20	447.00	441.30	1531	
2B352-6	-135.00	915.00	222.50	.00	.00	.00	26.25	55.00	2648.50	-135.70	447.00	441.70	1531	
2B352-7	-135.00	915.00	222.50	.00	.00	.00	26.25	55.00	2648.50	-102.60	447.10	440.10	1531	
2B352-8	-135.00	915.00	222.50	.00	.00	.00	26.25	55.00	2648.40	-94.40	447.10	444.60	1531	
2B353-1	-135.00	915.00	222.50	.00	.00	.00	26.25	55.00	2648.20	26.90	447.20	16.90	1531	
2B353-2	-135.00	915.00	222.50	.00	.00	.00	26.25	55.00	2648.20	46.20	447.20	16.90	1531	
2B353-3	36.00	913.70	266.20	.00	.00	.00	26.25	55.00	2646.10	1072.70	447.20	438.00	1531	
2B353-4	36.00	913.70	266.20	.00	.00	.00	26.25	55.00	2646.10	1072.70	447.20	438.00	1531	

DATE 052275

PAGE 291

SB82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 1C3

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP									TEMP		
OPEN	CLOSE	EXPOSURE TIME	-G*		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
240:17:55:13:808	55:24: 58	0:10:250	28353-5	S	AUTO	X	X	S	MA	6	X	HI	OK			OK
240:17:55:25:558	55:27: 58	0: 1:500	28353-6	L	AUTO	X	X	S	GS	6	X	HI	OK			OK
240:17:55:28:808	56: 8:608	0:40: 0	28353-7	S	AUTO	X	X	S	GS	6	X	HI	OK			OK
240:17:56:10:558	56:15:558	0: 5: 0	28353-8	L	AUTO	X	X	S	GS	6	X	HI	OK			OK
240:17:56:19: 58	58:59:308	2:40:250	28354-1	S	AUTO	X	X	S	GS	6	X	HI	OK			OK
240:17:59: 0:808	59:21: 56	0:20:250	28354-2	L	AUTO	X	X	S	GS	6	X	HI	OK			OK
240:18:25:57: 55	28:36:462	2:39:407	28354-3	S	MAN	X	X	S	GS	6	X	HI	OK			OK
240:19:37:47:557	40:26:557	2:39: 0	28354-4	S	MAN	X	X	S	GS	6	X	HI	OK			OK
240:20: 0:43:126	3:22:204	2:39: 78	28354-5	S	MAN	X	X	S	GS	6	X	HI	OK			OK
241: 0:36:34: 58	36:36:558	0: 2:500	28354-6	S	AUTO	X	X	S	ML	6	X	HI	OK			OK
241: 0:36:38:308	36:38:808	0: 0:500	28354-7	L	AUTO	X	X	S	ML	6	X	HI	OK			OK
241: 0:36:40:308	36:50:558	0:10:250	28354-8	S	AUTO	X	X	S	ML	6	X	HI	OK			OK
241: 0:36:54:308	36:55:558	0: 1:250	28355-1	L	AUTO	X	X	S	ML	6	X	HI	OK			OK
241: 0:36:57:308	37:37:308	0:40: 0	28355-2	S	AUTO	X	4	S	ML	6	A	HI	OK			OK
241: 0:37:39: 58	37:44:308	0: 5:250	28355-3	L	AUTO	X	X	S	ML	6	X	HI	OK			OK
241: 0:37:45:808	40:25:593	2:39:785	28355-4	S	AUTO	X	X	S	ML	6	X	HI	OK			OK
241: 0:40:27:259	40:47:341	0:20: 82	28355-5	L	AUTO	X	X	S	ML	6	X	HI	OK			OK
241: 2: 2:26:510	2:31: 10	0: 2:500	28355-6	S	AUTO	X	X	S	MA	6	X	HI	OK			OK
241: 2: 2:32:760	2:33:260	0: 0:500	28355-7	L	AUTO	X	X	S	MA	6	X	HI	OK			OK
241: 2: 2:34:760	2:45: 9	0:10:249	28355-8	S	AUTO	X	X	S	MA	6	X	HI	OK			OK

5082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 103

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT	
	(ARCMIN)		(ARCSEC)		(ARCMIN)		(ARCSEC)		(ARCMIN)		(KM)	(KM)	NO.	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-				
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)	
2B353-5	36.00	913.70	266.20				.0	26.25	55.00	2646.10	1072.70	447.20	438.00	1531
2B353-6	36.00	913.70	266.20	.00	.00	.00	.00	26.25	55.00	2646.10	1072.70	447.20	438.00	1531
2B353-7	36.00	913.70	266.20	.00	.00	.00	.00	26.25	55.00	2646.10	1072.70	447.20	438.00	1531
2B353-8	36.00	913.70	266.20	.00	.00	.00	.00	26.25	55.00	2645.80	1228.30	446.70	446.60	1531
2B354-1	36.00	913.70	266.20	.00	.00	.00	.00	26.25	55.00	2645.80	1228.30	446.70	446.60	1531
2B354-2	36.00	913.70	266.20	.00	.00	.00	.00	26.25	55.00	2644.90	1673.80	444.80	392.50	1531
2B354-3	-9.00	-656.30	226.20	.00	.00	.00	.00	26.25	55.00	2642.40	1598.90	425.50	384.70	1532
2B354-4	-4173.00	672.50	-10.00	.00	.00	.00	.00	26.25	55.00	2627.30	2290.00	439.90	125.30	1532
2B354-5	-4167.00	662.50	-10.00	.00	.00	.00	.00	26.25	55.00	2625.60	1342.10	426.50	422.50	1533
2B354-6	1291.00	-37.50	-36.20	.00	.00	.00	.00	26.25	55.00	2576.30	1915.30	425.10	287.10	1535
2B354-7	1291.00	-37.50	-36.20	.00	.00	.00	.00	26.25	55.00	2576.30	1915.30	425.10	287.10	1535
2B354-8	1291.00	-37.50	-36.20	.00	.00	.00	.00	26.25	55.00	2576.30	1915.30	425.10	287.10	1535
2B355-1	1291.00	-37.50	-36.20	.00	.00	.00	.00	26.25	55.00	2576.30	1915.30	425.10	287.10	1535
2B355-2	1291.00	-37.50	-36.20	.00	.00	.00	.00	26.25	55.00	2576.30	1915.30	425.10	287.10	1535
2B355-3	1292.00	-37.50	-36.20	.00	.00	.00	.00	26.25	55.00	2576.20	1773.70	425.40	338.00	1535
2B355-4	1292.00	-37.50	-36.20	.00	.00	.00	.00	26.25	55.00	2576.20	1773.70	425.40	338.00	1535
2B355-5	1292.00	-37.50	-36.20	.00	.00	.00	.00	26.25	55.00	2575.70	1318.90	427.00	424.40	1535
2B355-6	8.00	.00	560.00	.00	.00	.00	.00	26.25	55.00	2560.00	2701.70	426.60	-192.60	1536
2B355-7	8.00	.00	560.00	.00	.00	.00	.00	26.25	55.00	2560.00	2701.70	426.60	-192.60	1536
2B355-8	8.00	.00	560.00	.00	.00	.00	.00	26.25	55.00	2560.00	2701.70	426.60	-192.60	1536

SD82B-EDB  
INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
PAGE 1 - 104

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP															TEMP
OPEN	CLOSE	EXPOSURE TIME	-G#		(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP CL	
241: 2: 2:48:509	2:50: 4	0: 1:500	28356-1	L	AUTO	X	X	5	MA	6	X	H1	OK						OK	
241: 2: 2:51:509	3:31:757	0:48:248	28356-2	S	AUTO	X	X	5	MA	6	X	H1	OK						OK	
241: 2: 3:33:507	3:38:507	0: 5: 0	28356-3	L	AUTO	X	X	5	MA	6	X	H1	OK						OK	
241: 2: 3:40:256	5: 7:253	1:26:997	28356-4	S	AUTO	X	X	5	MA	6	X	H1	OK						OK	
241: 2: 5:28: 2	5:30:502	0: 2:500	28356-5	S	AUTO	X	X	5	MA	6	X	H1	OK						OK	
241: 2: 5:32:252	5:32:752	0: 0:500	28356-6	L	AUTO	X	X	5	MA	6	X	H1	OK						OK	
241: 2: 5:34:252	5:44:502	0:10:250	28356-7	S	AUTO	X	X	5	MA	6	X	H1	OK						OK	
241: 2: 5:46:251	5:47:501	0: 1:250	28356-8	L	AUTO	X	X	5	MA	6	X	H1	OK						OK	
241: 2: 5:51: 1	6: 7:250	0:16:249	28357-1	S	AUTO	X	X	5	MA	6	X	H1	OK						OK	
241: 2: 6:27:749	6:30:499	0: 2:750	28357-2	S	AUTO	X	X	5	MA	6	X	H1	OK						OK	
241: 2: 6:31:999	6:32:499	0: 0:500	28357-3	L	AUTO	X	X	5	MA	6	X	H1	OK						OK	
241: 2: 6:34:249	6:37:249	0: 3: 0	28357-4	S	AUTO	X	X	5	MA	6	X	H1	OK						OK	
241:12:34:39: 13	35:38:761	0:59:748	28357-5	S	MAN	2	4	5	G3	6	X	H1	OK						OK	
241:12:35:55:510	40:54:749	4:59:239	28357-6	S	MAN	2	4	5	G3	6	X	H1	OK						OK	
241:13: 6:25:921	9: 5:663	2:39:742	28357-7	S	MAN	X	X	5	MA	6	X	H1	OK						OK	
241:13: 9:14:412	9:53:660	0:39:248	28357-8	S	MAN	X	X	5	MA	6	X	H1	OK						OK	
241:13:10: 2:160	10: 3:660	0: 1:500	28358-1	S	MAN	X	X	5	MA	6	X	H1	OK						OK	
241:14:11:16:991	11:33:240	0:16:249	28358-2	S	LMB PT	AUTO	X	X	5	ML	6	X	H1	OK					OK	
241:14:11:34:740	11:38:990	0: 4:250	28358-3	L	LMB PT	AUTO	X	X	5	ML	6	X	H1	OK					OK	
241:14:11:40:740	12:44:738	1: 3:998	28358-4	S	LMB PT	AUTO	X	4	5	ML	6	X	H1	OK					OK	

DATE 052275

PAGE 294

S0828-EDB

INSTRUMENT OPERATION  
PAGE 2- 104

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.	
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)			(ARCSEC)		(ARCMINS)		(KM)	(KM)		
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-				
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)	
2B356-1	8.00	20.00	560.00				.00	26.25	55.00	2560.00	2701.70	426.60	-192.60	1536
2B356-2	8.00	20.00	560.00	.00	.00	.00	.00	26.25	55.00	2560.00	2701.70	426.60	-192.60	1536
2B356-3	8.00	52.50	562.50	.00	51.25	2.50	.00	26.25	55.00	2559.90	2629.70	426.00	-135.80	1536
2B356-4	8.00	-5.00	562.50	.00	57.50	.00	.00	26.25	55.00	2559.90	2629.70	426.00	-135.80	1536
2B356-5	9.00	6.30	561.20	.00	63.00	1.30	.00	26.25	55.00	2559.90	2446.70	425.10	-2.20	1536
2B356-6	9.00	6.30	561.20	.00	.00	.00	.00	26.25	55.00	2559.90	2446.70	425.10	-2.20	1536
2B356-7	9.00	6.30	561.20	.00	.00	.00	.00	26.25	55.00	2559.90	2446.70	425.10	-2.20	1536
2B356-8	9.00	26.20	566.20	.00	20.00	5.00	.00	26.25	55.00	2559.90	2446.70	425.10	-2.20	1536
2B357-1	9.00	26.20	566.20	.00	.00	.00	.00	26.25	55.00	2559.90	2446.70	425.10	-2.20	1536
2B357-2	9.00	55.00	563.70	.00	17.50	6.25	.00	26.25	55.00	2559.80	2338.10	424.90	69.20	1536
2B357-3	9.00	55.00	563.70	.00	.00	.00	.00	26.25	55.00	2559.80	2338.10	424.90	69.20	1536
2B357-4	9.00	55.00	563.70	.00	.00	.00	.00	26.25	55.00	2559.80	2338.10	424.90	69.20	1536
2B357-5	-4198.20	23.70	25.00	.00	.00	.00	.00	26.25	55.00	2445.20	1261.50	447.10	447.10	1543
2B357-6	-4197.60	23.70	25.00	.00	.00	.00	.00	26.25	55.00	2444.90	1319.20	446.60	445.20	1543
2B357-7	10.00	112.50	-11.20	.00	.00	.00	.00	26.25	55.00	2441.10	1352.40	427.20	422.50	1543
2B357-8	11.00	112.50	-11.20	.00	.00	.00	.00	26.25	55.00	2440.40	805.30	429.70	378.30	1543
2B358-1	11.00	112.50	-11.20	.00	.00	.00	.00	26.25	55.00	2440.20	667.90	430.60	340.10	1543
2B358-2	-883.00	-940.00	56.30	.00	.00	.00	18.00	26.25	55.00	2427.10	1765.50	444.40	367.10	1544
2B358-3	-883.00	-940.00	56.30	.00	.00	.00	18.00	26.25	55.00	2427.10	1765.50	444.40	367.10	1544
2B358-4	-863.00	-940.00	56.30	.00	.00	.00	18.00	26.25	55.00	2427.10	1765.50	444.40	367.10	1544

SC82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 105

## ----- SHUTTER -----

FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP	TEMP
-------------	-------	------------------	--------	------

OPEN	CLOSE	EXPOSURE TIME	-G-	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
241:14:12:46:487	i3: 2:737	c:16:250	28358-5	L	LMB PT	AUTO	X	4	5	GS	6	X	H1	OK	OK
241:14:13: 4:237	17:20:476	4:16:239	28358-6	S	LMB PT	AUTO	X	4	5	GS	6	X	H1	OK	OK
241:14:17:22:226	18:26:223	1: 3:997	28358-7	L	LMB PT	AUTO	X	4	5	MA	6	X	H1	OK	OK
241:14:18:27:973	35:32:420	17: 4:447	28358-8	S	LMB PT	AUTO	X	4	5	MA	6	X	H1	OK	OK
241:14:35:35:920	39:28:408	3:52:488	28359-1	L	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK	OK
241:15:55:16:738	55:17:238	c: 0:500	28359-2	L	BORE	AUTO	X	4	5	ML	6	X	H1	OK	OK
241:15:55:16:988	55:21:488	0: 2:500	28359-3	S	BORE	AUTO	X	4	5	ML	6	X	H1	OK	OK
241:15:55:23:237	55:24:487	0: 1:250	28359-4	L	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
241:15:55:26:237	55:36:487	c:10:250	28359-5	S	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
241:15:55:37:987	55:43:236	c: 5:249	28359-6	L	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
241:15:55:44:736	56:24:984	c:40:248	28359-7	S	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
241:15:56:26:734	56:46:733	c:19:999	28359-8	L	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
241:15:56:50:233	59:30:189	2:39:956	28360-1	S	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
241:16: 3: 5:178	8:24:165	5:18:987	28360-2	S	BORE	MAN	X	4	5	MA	6	X	H1	OK	OK
241:16:11:26:407	11:28:907	c: 2:500	28360-3	S	BORE	AUTO	X	X	5	MA	6	X	H1	OK	OK
241:16:11:30:657	11:31:157	c: 0:500	28360-4	L	BORE	AUTO	X	X	5	MA	6	X	H1	OK	OK
241:16:11:32:657	11:42:906	c:12:249	28360-5	S	BORE	AUTO	X	X	5	ML	6	X	H1	OK	OK
241:16:11:44:656	11:45:906	c: 1:250	28360-6	L	BORE	AUTO	X	X	5	ML	6	X	H1	OK	OK
241:16:11:47:656	12:27:904	c:40:248	28360-7	S	BORE	AUTO	X	4	5	ML	6	X	H1	OK	OK
241:16:12:29:404	12:34:654	0: 5:250	28360-8	L	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK

S0828-EDB  
INSTRUMENT OPERATION  
PAGE 2- 105

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPE POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.	
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(KM)	(KM)		
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-				
									OPEN	OPEN				
2B358-6	-883.00	-940.00	56.30				17.0	26.25	55.00	2426.60	2062.30	442.40	250.50	1544
2B358-5	-883.00	-940.00	56.30	.00	.00	.00	.00	26.25	55.00	2426.80	1916.70	443.40	314.10	1544
2B358-7	-881.00	-940.00	56.30	.00	.00	.00	1.00	26.25	55.00	2425.80	2569.00	437.60	-66.50	1544
2B358-8	-881.00	-940.00	56.30	.00	.00	.00	18.0	26.25	55.00	2425.60	2670.80	436.30	-148.00	1544
2B359-1	-877.00	-940.00	56.30	.00	.00	.00	18.0	26.25	55.00	2424.70	2021.80	424.90	241.40	1544
2B359-2	2165.00	-100.00	206.20	.00	.00	.00	.00	26.25	55.00	2408.30	2945.70	431.50	-398.80	1545
2B359-3	2165.00	-100.00	206.20	.00	.00	.00	.00	26.25	55.00	2408.30	2945.70	431.50	-398.80	1545
2B359-4	2165.00	-100.00	206.20	.00	.00	.00	.00	26.25	55.00	2408.30	2945.70	431.50	-398.80	1545
2B359-5	2165.00	-100.00	206.20	.00	.00	.00	.00	26.25	55.00	2408.30	2945.70	431.50	-398.80	1545
2B359-6	2165.00	-100.00	206.20	.00	.00	.00	.00	26.25	55.00	2408.30	2945.70	431.50	-398.80	1545
2B359-7	2165.00	-100.00	206.20	.00	.00	.00	.00	26.25	55.00	2408.30	2945.70	431.50	-398.80	1545
2B359-8	2165.00	-100.00	206.20	.00	.00	.00	.00	26.25	55.00	2408.20	2975.50	430.30	-429.80	1545
2B360-1	2165.00	-100.00	206.20	.00	.00	.00	.00	26.25	55.00	2408.20	2975.50	430.30	-429.80	1545
2B360-2	2167.00	-100.00	206.20	.00	.00	.00	.00	26.25	55.00	2408.00	2684.50	425.00	-181.80	1545
2B360-3	2168.00	-96.20	128.70	.00	.00	.00	.00	26.25	55.00	2407.30	1604.70	426.20	384.40	1545
2B360-4	2168.00	-96.20	128.70	.00	.00	.00	.00	26.25	55.00	2407.30	1604.70	426.20	384.40	1545
2B360-5	2168.00	-96.20	128.70	.00	.00	.00	.00	26.25	55.00	2407.30	1604.70	426.20	384.40	1545
2B360-6	2168.00	-96.20	128.70	.00	.00	.00	.00	26.25	55.00	2407.30	1604.70	426.20	384.40	1545
2B360-7	2168.00	-96.20	128.70	.00	.00	.00	.00	26.25	55.00	2407.30	1604.70	426.20	384.40	1545
2B360-8	2169.00	-96.20	128.70	.00	.00	.00	.00	26.25	55.00	2407.20	1441.90	426.90	413.30	1545

DATE 052275

PAGE 297

SD828-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 106

SHUTTER -----		FRAME COUNT	-WVL-	STATE MODE (PRS)	UP EXP -----									TEMP	
OPEN	CLOSE	TIME	EXPOSURE -G-											OP	CL
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
241:16:12:38:153	15:18:145	2:39:992	28361-1	S	BORE	AUTO	X	4	5	GS	6	X	H1	OK	
241:16:15:19:895	15:39:894	0:19:999	28361-2	L	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:29:55:675	29:56:175	0: 0:500	28361-3	L		AUTO	X	4	5		6	X	H1	OK	OK
241:17:29:57:925	30: 0:425	0: 2:500	28361-4	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:30: 2:175	30: 3:675	0: 1:500	28361-5	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:30: 5:175	30:15:424	0:13:249	28361-6	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:30:16:924	30:22:174	0: 5:250	28361-7	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:30:23:674	31: 3:922	0:40:248	28361-8	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:31: 7:422	31:27:421	0:19:999	28362-1	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:31:29:170	34: 9:162	2:39:992	28362-2	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:40: 0:162	40: 2:912	0: 2:750	28362-3	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:40: 4:412	40: 4:912	0: 0:500	28362-4	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:40: 6:662	40:16:911	0:10:249	28362-5	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:40:18:911	40:19:911	0: 1:500	28362-6	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:40:21:411	41: 1:659	0:40:248	28362-7	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:41: 3:159	41: 8:409	0: 5:250	28362-8	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:41:11:909	43:51:896	2:39:987	28363-1	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:17:43:53:646	44:13:645	0:19:999	28363-2	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
241:19: 2:14:450	2:14:950	0: 0:500	28363-3	L		AUTO	X	X	5	GS	6	X	H1	XX	OK
241:19: 2:16:700	2:19:200	0: 2:500	28363-4	S		AUTO	X	4	5	GS	6	X	H1	XX	OK

DATE 052275

PAGE 298

5082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 106

FRAME COUNT	----- EPC POINT -----		---- MAX PT EXC ----		LIMB OFF	--NRL BIAS--		ANGLE		ALTITUDE (KM)	Z(H) (KM)	ORBIT NO.		
						(ARCSEC)		(ARCSEC)						
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GANY	GXB1	GYB1	-BETA-	-Z-				
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)	
2B361-1	2169.00	-96.20	128.70			.00	.00	26.25	55.00	2407.20	1441.90	426.90	413.30	1545
2B361-2	2170.00	-96.20	128.70	.00	.00	.00	.00	26.25	55.00	2406.50	877.50	429.40	394.10	1545
2B361-3	-6573.00	-75.00	-38.70	.00	.00	.00	.00	26.25	55.00	2391.20	2987.20	430.50	-440.60	1546
2B361-4	-6573.00	-75.00	-38.70	.00	.00	.00	.00	26.25	55.00	2391.20	2987.20	430.50	-440.60	1546
2B361-5	-6573.00	-75.00	-38.70	.00	.00	.00	.00	26.25	55.00	2391.10	3003.20	429.40	-458.60	1546
2B361-6	-6573.00	-75.00	-38.70	.00	.00	.00	.00	26.25	55.00	2391.10	3003.20	429.40	-458.60	1546
2B361-7	-6572.00	-75.00	-38.70	.00	.00	.00	.00	26.25	55.00	2391.10	3003.20	429.40	-458.60	1546
2B361-8	-6572.00	-75.00	-38.70	.00	.00	.00	.00	26.25	55.00	2391.10	3003.20	429.40	-458.60	1546
2B362-1	-6572.00	-75.00	-38.70	.00	.00	.00	.00	26.25	55.00	2391.10	3000.50	428.40	-458.10	1546
2B362-2	-6572.00	-75.00	-38.70	.00	.00	.00	.00	26.25	55.00	2391.10	3000.50	428.40	-458.10	1546
2B362-3	-7306.00	-103.70	-31.30	.00	.00	.00	.00	26.25	55.00	2390.80	2250.00	424.60	122.10	1546
2B362-4	-7306.00	-103.70	-31.30	.00	.00	.00	.00	26.25	55.00	2390.80	2250.00	424.60	122.10	1546
2B362-5	-7306.00	-103.70	-31.30	.00	.00	.00	.00	26.25	55.00	2390.80	2250.00	424.60	122.10	1546
2B362-6	-7306.00	-103.70	-31.30	.00	.00	.00	.00	26.25	55.00	2390.80	2250.00	424.60	122.10	1546
2B362-7	-7306.00	-103.70	-31.30	.00	.00	.00	.00	26.25	55.00	2390.80	2250.00	424.60	122.10	1546
2B362-8	-7306.00	-103.70	-31.30	.00	.00	.00	.00	26.25	55.00	2390.70	2109.20	424.80	199.20	1546
2B363-1	-7306.00	-103.70	-31.30	.00	.00	.00	.00	26.25	55.00	2390.70	2109.20	424.80	199.20	1546
2B363-2	-7305.00	-103.70	-31.30	.00	.00	.00	.00	26.25	55.00	2390.40	1808.00	425.60	327.10	1546
2B363-3	-4136.00	51.00	-112.00	.00	.00	.00	.00	26.25	55.00	2374.00	2997.80	430.80	-199.80	1547
2B363-4	-4136.00	51.00	-112.00	.00	.00	.00	.00	26.25	55.00	2374.00	2997.80	430.80	-199.80	1547

SJ828-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 107

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP					
OPEN	CLOSE	EXPOSURE TIME	-G#		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP	CL
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)			
241:19: 2:20:950	2:22:200	0: 1:250	28363-5	L	AUTO	X	X	5	GS	6	X	H1	XX				OK	
241:19: 2:23:950	2:33:950	0:10: 0	28363-6	S	AUTO	X	4	5	GS	6	X	H1	XX				OK	
241:19: 2:35:700	2:40:950	0: 5:250	28363-7	L	AUTO	X	X	5	GS	6	X	H1	XX				OK	
241:19: 2:42:700	3:22:950	0:40:250	28363-8	S	AUTO	X	X	5	GS	6	X	H1	XX				OK	
241:19: 3:24:950	3:44:950	0:20: 0	28364-1	L	AUTO	X	X	5	GS	6	X	H1	XX				OK	
241:19: 3:46:700	4:23:700	2:40: 0	28364-2	S	AUTO	X	X	5	GS	6	X	H1	XX				OK	
241:20:18:57:208	18:59:708	0: 2:500	28364-3	S	LMB PT AUTO S	X	X	5		6	X	H1	OK				OK	
241:20:19: 1:458	19: 1:958	0: 0:500	28364-4	L	LMB PT AUTO S	X	X	5		6	X	H1	OK				OK	
241:20:19: 3:708	19:13:708	0:10: 0	28364-5	S	LMB PT AUTO S	X	X	5		6	X	H1	OK				OK	
241:20:19:15:458	19:16:708	0: 1:250	28364-6	L	LMB PT AUTO S	X	X	5		6	X	H1	OK				OK	
241:20:19:18:458	19:58:708	0:40:250	28364-7	S	LMB PT AUTO S	X	X	5	GS	6	X	H1	OK				OK	
241:20:20: 0:208	20: 5:458	0: 5:250	28364-8	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK				OK	
241:20:20: 8:958	22:48:958	2:40: 0	28365-1	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK				OK	
241:20:22:59:708	23:10:708	0:20: 0	28365-2	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK				OK	
241:20:23:12:458	23:14:958	0: 2:500	28365-3	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK				OK	
241:20:23:16:708	23:17:208	0: 0:500	28365-4	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK				OK	
241:20:23:18:708	23:28:958	0:10:250	28365-5	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK				OK	
241:20:23:30:708	23:31:958	0: 1:250	28365-6	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK				OK	
241:20:23:33:708	24:13:708	0:40: 0	28365-7	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK				OK	
241:20:24:15:458	24:20:708	0: 5:250	28365-8	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK				OK	

DATE 052275

PAGE 300

S0828-EDB  
INSTRUMENT OPERATION  
PAGE 2- 197

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(H)	ORBIT NO.	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	(KM)	(KM)		
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)
28363-5	-4136.00	51.00	-112.00		.00	.00	.80	.00	26.25	55.00	2374.00	2997.80	430.80	-312.90 1547
28363-6	-4136.00	51.00	-112.00	.00	.00	.00	.00	.00	26.25	55.00	2374.00	2997.80	430.80	-369.60 1547
28363-7	-4136.00	51.00	-112.00	.00	.00	.00	.00	.00	26.25	55.00	2374.00	3018.30	429.70	441.80 1547
28363-8	-4136.00	51.00	-112.00	.00	.00	.00	.00	.00	26.25	55.00	2374.00	3018.30	429.70	311.70 1547
28364-1	-4136.00	51.00	-112.00	.00	.00	.00	.00	.00	26.25	55.00	2374.00	3018.30	429.70	354.20 1547
28364-2	-4136.00	51.00	-112.00	.00	.00	.00	.00	.00	26.25	55.00	2373.90	3020.00	428.70	354.20 1547
28364-3	-919.00	975.00	51.20	.00	.00	.00	.00	.00	26.25	55.00	2360.50	970.60	448.00	425.10 1547
28364-4	-919.00	975.00	51.20	.00	.00	.00	.00	.00	26.25	55.00	2360.10	982.90	447.60	426.70 1547
28364-5	-919.00	975.00	51.20	.00	.00	.00	.00	.00	26.25	55.00	2360.10	989.30	447.60	427.70 1547
28364-6	-919.00	975.00	51.20	.00	.00	.00	.00	.00	26.25	55.00	2360.10	1023.00	447.60	432.50 1547
28364-7	-919.00	975.00	51.20	.00	.00	.00	.00	.00	26.25	55.00	2360.10	1031.60	447.60	433.60 1547
28364-8	-918.00	975.00	51.20	.00	.00	.00	.00	.00	26.25	55.00	2359.80	1151.20	447.20	444.30 1547
28365-1	-918.00	975.00	51.20	.00	.00	.00	.00	.00	26.25	55.00	2359.80	1175.90	447.20	445.50 1547
28365-2	-918.00	975.00	51.20	.00	.00	.00	.00	.00	26.25	55.00	2359.10	1486.70	445.90	429.60 1547
28365-3	-917.00	975.00	51.20	.00	.00	.00	.00	-4.0	26.25	55.00	2358.80	1649.90	445.10	398.60 1547
28365-4	-917.00	975.00	51.20	.00	.00	.00	.00	-4.0	26.25	55.00	2358.80	1649.90	445.10	398.60 1547
28365-5	-917.00	975.00	51.20	.00	.00	.00	.00	-4.0	26.25	55.00	2358.80	1649.90	445.10	398.60 1547
28365-6	-917.00	975.00	51.20	.00	.00	.00	.00	-4.0	26.25	55.00	2358.80	1649.90	445.10	398.60 1547
28365-7	-917.00	975.00	51.20	.00	.00	.00	.00	-4.0	26.25	55.00	2358.80	1649.90	445.10	398.60 1547
28365-8	-917.00	975.00	51.20	.00	.00	.00	.00	-4.0	26.25	55.00	2358.60	1809.00	444.20	353.30 1547

DATE 052275

PAGE 301

S0828-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 108

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP				
OPEN	CLOSE	TIME	EXPOSURE						OP		CL					
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	
241:20:24:24:208	27: 4:208	2:40: 0	28366-1	S	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:27: 5:958	27:25:958	0:20: 0	28366-2	L	LMB	PT	AUTO	S	X	X	S	M3	6	X	H1	OK
241:20:27:27:458	27:30:208	0: 2:750	28366-3	S	LMB	PT	AUTO	S	X	X	S	M3	6	X	H1	OK
241:20:27:31:958	27:32:458	0: 3:500	28366-4	L	LMB	PT	AUTO	S	X	X	S	M3	6	X	H1	OK
241:20:27:33:958	27:44:208	0:10:250	28366-5	S	LMB	PT	AUTO	S	X	X	S	M3	6	X	H1	OK
241:20:27:45:958	27:47:208	0: 1:250	28366-6	L	LMB	PT	AUTO	S	X	X	S	M3	6	X	H1	OK
241:20:27:48:958	28:29:208	0:40:250	28366-7	S	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:28:30:708	28:35:958	0: 5:250	28366-8	L	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:28:39:458	31:19:458	2:40: 0	28367-1	S	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:31:21:208	31:41:208	0:20: 0	28367-2	L	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:31:42:958	31:45:458	0: 2:500	28367-3	S	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:31:47:208	31:47:708	0: 0:500	28367-4	L	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:31:49:208	31:59:458	0:10:250	28367-5	S	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:32: 1:208	32: 2:458	0: 1:250	28367-6	L	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:32: 4:208	32:44:208	0:40: 0	28367-7	S	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:32:45:958	32:51:208	0: 5:250	28367-8	L	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:32:54:708	35:34:708	2:40: 0	28368-1	S	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:35:36:458	35:56:458	0:20: 0	28368-2	L	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:35:58:208	36: 8:208	0:10: 0	28368-3	S	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK
241:20:36: 9:958	36:12:708	0: 2:750	28368-4	L	LMB	PT	AUTO	S	X	X	S	M3	6	A	H1	OK

S982B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 108

FRAME COUNT	----- EPC POINT -----		---- MAX PT EXC ----		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z (M)	ORBIT
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)			(ARCSEC)		(ARCMINS)	(KM)	(KM)	NO.	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	OPEN	OPEN	
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)
2B366-1	-917.00	975.00	51.20				-4.0		26.25	55.00	2358.60	1809.00	440.90
2B366-2	-916.00	975.00	51.20	.00	.00	.80		.00	26.25	55.00	2357.80	2254.40	440.90
2B366-3	-916.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.80	2254.40	440.90
2B366-4	-916.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.80	2254.40	440.90
2B366-5	-916.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.80	2254.40	440.90
2B366-6	-916.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.80	2254.40	440.90
2B366-7	-916.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.80	2254.40	440.90
2B366-8	-916.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.60	2389.00	439.70
2B367-1	-916.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.60	2389.00	439.70
2B367-2	-915.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.10	2735.10	436.00
2B367-3	-915.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.10	2735.10	436.00
2B367-4	-915.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.10	2735.10	436.00
2B367-5	-915.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.10	2735.10	436.00
2B367-6	-915.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.00	2826.40	434.70
2B367-7	-915.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.00	2826.40	434.70
2B367-8	-915.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.20	2826.40	434.70
2B368-1	-915.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2357.00	2826.40	434.70
2B368-2	-914.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2356.80	3007.40	431.00
2B368-3	-914.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2356.80	3007.40	431.00
2B368-4	-914.00	975.00	51.20	.00	.00	.00		.00	26.25	55.00	2356.70	3032.50	429.90

DATE 052275

PAGE 303

SO828-EDR  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 109

SHUTTER -----		FRAME COUNT	-AVL-	STATE MODE (PRS)		OP EXP -----								TEMP		
OPEN	CLOSE	EXPOSURE TIME	-G+	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
241:20:36:14:208	36:54:458	0:40:250	28368-5	S	LMB PT AUTO S	X	X	5	M3	6	A	H1	OK			OK
241:20:36:56:208	37: 6:208	0:10: 3	28368-6	L	LMB PT AUTO S	X	X	5	M3	6	A	H1	OK			OK
241:20:37: 7:958	39:47:958	2:40: 3	28368-7	S	LMB PT AUTO S	X	X	5	M3	6	A	H1	OK			OK
241:20:39:49:708	40:29:958	0:40:250	28368-8	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
241:20:40:33:458	51:13:288	10:37:830	28369-1	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
241:20:51:14:955	53:55: 33	2:40: 78	28369-2	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
241:20:53:56:700	54: 6:865	0:10:165	28369-3	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
241:20:54: 8:532	54:11:199	0: 2:667	28369-4	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
241:20:54:12:865	54:53: 26	0:40:161	28369-5	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
241:20:54:54:693	55: 4:858	0:10:165	28369-6	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
241:20:55: 6:525	57:46:687	2:40:162	28369-7	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
241:20:57:48:270	58:28:437	0:40:167	28369-8	L	LMB PT AUTO S	X	X	5	G3	6	X	H1	OK			OK
241:20:58:31:937	1:36:708	3: 4:771	28370-1	S	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK			OK
241:21:52:54:208	55:34:458	2:40:250	28370-2	L	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK			OK
241:21:55:35:958	55:46:208	0:10:250	28370-3	S	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK			OK
241:21:55:47:708	55:50:458	0: 2:750	28370-4	L	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK			OK
241:21:55:52:208	56:32:208	0:40: 0	28370-5	S	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK			OK
241:21:56:33:958	56:44:208	0:10:250	28370-6	L	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK			OK
241:21:56:45:708	59:25:958	2:40:250	28370-7	S	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK			OK
241:21:59:27:458	0: 7:708	0:40:250	28370-8	L	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK			OK

50828-EDB  
 INSTRUMENT OPERATION  
 PAGE 2- 139

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.
	-----	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	GXB1	GYB1	(ARCMINS)	(KM)	(KM)	
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	-BETA-	-Z-		
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY				OPEN	OPEN		
2B368-5	-914.00	975.00	51.20				2.0		26.25	55.00	2356.70	3032.50	429.90 -486.30 1547
2B368-6	-914.00	975.00	51.20	.00	.00	.00	2.0	.00	26.25	55.00	2356.70	3032.50	429.90 -486.30 1547
2B368-7	-914.00	975.00	51.20	.00	.00	.00	2.0	.00	26.25	55.00	2356.70	3038.60	428.90 -494.70 1547
2B368-8	-913.00	975.00	51.20	.00	.00	.00	2.0	.00	26.25	55.00	2356.60	2993.60	427.10 -454.30 1547
2B369-1	-913.00	975.00	51.20	.00	.00	.00	2.0	.00	26.25	55.00	2356.60	2943.60	426.40 -407.80 1547
2B369-2	-910.00	975.00	51.20	.00	.00	.00	2.0	.00	26.25	55.00	2355.80	1576.80	426.70 390.90 1548
2B369-3	-909.00	975.00	51.20	.00	.00	.00	4.0	.00	26.25	55.00	2355.40	1078.00	428.20 421.90 1548
2B369-4	-909.00	975.00	51.20	.00	.00	.00	4.0	.00	26.25	55.00	2355.10	1043.70	429.10 419.40 1548
2B369-5	-909.00	975.00	51.20	.00	.00	.00	4.0	.00	26.25	55.00	2355.10	1031.10	429.10 418.00 1548
2B369-6	-909.00	975.00	51.20	.00	.00	.00	4.0	.00	26.25	55.00	2355.10	909.50	429.10 400.00 1548
2B369-7	-909.00	975.00	51.20	.00	.00	.00	4.0	.00	26.25	55.00	2354.90	874.90	430.00 394.00 1548
2B369-8	-908.00	975.00	51.20	.00	.00	.00	4.0	.00	26.25	55.00	2354.30	397.00	431.80 232.50 1548
2B370-1	-908.00	975.00	51.20	.00	.00	.00	5.0	.00	26.25	55.00	2354.00	266.90	432.80 166.10 1548
2B370-2	-1021.00	978.70	51.20	.00	.00	.00	4.0	1.00	26.25	55.00	2342.90	1098.90	447.80 441.00 1548
2B370-3	-1020.00	978.70	51.20	.00	.00	.00	6.0	.00	26.25	55.00	2341.90	1454.60	446.00 433.90 1548
2B370-4	-1020.00	978.70	51.20	.00	.00	.00	6.0	.00	26.25	55.00	2341.90	1454.60	446.00 433.90 1548
2B370-5	-1020.00	978.70	51.20	.00	.00	.00	6.0	.00	26.25	55.00	2341.90	1454.60	446.00 433.90 1548
2B370-6	-1020.00	978.70	51.20	.00	.00	.00	6.0	.00	26.25	55.00	2341.60	1619.40	445.20 405.60 1548
2B370-7	-1020.00	978.70	51.20	.00	.00	.00	6.0	.00	26.25	55.00	2341.60	1619.40	445.20 405.60 1548
2B370-8	-1019.00	978.70	51.20	.00	.00	.00	6.0	.00	26.25	55.00	2340.80	2087.90	442.30 238.20 1548

DATE 052275

PAGE 305

5082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 110

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	UP EXP								TEMP						
OPEN	CLOSE	TIME	-G+		(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP	CL
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)				
241:22: 0:11:208	10:51:458	10:40:250	28371-1	S	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK					OK	
241:22:10:52:958	13:33:208	2:40:250	28371-2	L	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK					OK	
241:22:13:34:708	13:44:958	0:10:250	28371-3	S	LMB PT AUTO S	X	X	5	G5	6	X	H1	OK					OK	
241:22:13:46:708	13:49:208	0: 2:500	28371-4	L	LMB PT AUTO S	X	X	5	G5	6	X	H1	OK					OK	
241:22:13:EC:958	14:31:208	0:40:250	28371-5	S	LMB PT AUTO S	X	X	5	G5	6	X	H1	OK					OK	
241:22:14:32:708	14:42:958	0:10:250	28371-6	L	LMB PT AUTO S	X	X	5	G5	6	X	H1	OK					OK	
241:22:14:44:458	17:24:708	2:40:250	28371-7	S	LMB PT AUTO S	X	X	5	G5	6	X	H1	OK					OK	
241:22:17:26:208	18: 6:458	0:40:250	28371-8	L	LMB PT AUTO S	X	X	5	G5	6	X	H1	OK					OK	
241:22:18: 9:958	23:32:943	5:22:985	28372-1	S	LMB PT AUTO S	X	X	5	G5	6	X	H1	OK					OK	
241:23:24: 8:757	26:48:934	2:40:177	28372-2	L	LM SC AUTO S	X	X	5	MA	6	X	H1	OK					OK	
241:23:26:50:601	27: 6:768	0:16:167	28372-3	S	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK					OK	
241:23:27: 8:433	27:12:600	0: 4:167	28372-4	L	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK					OK	
241:23:27:14:267	28:18:430	1: 4:163	28372-5	S	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK					OK	
241:23:28:20: 97	28:36:263	0:16:166	28372-6	L	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK					OK	
241:23:28:37:930	32:54: 7	4:16: 77	28372-7	S	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK					OK	
241:23:32:55:757	33:59:757	1: 4: 0	28372-8	L	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK					OK	
241:23:34: 3:257	51: 7:757	17: 4:500	28373-1	S	LMB PT AUTO S	X	X	5	MA	6	X	H1	OK					OK	
241:23:51: 9:257	55:25:507	4:16:250	28373-2	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK					OK	
241:23:55:27:257	55:43:257	0:16: 0	28373-3	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK					OK	
241:23:55:45: 7	55:49:257	0: 4:250	28373-4	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK					OK	

DATE 052275 PAGE 306

5082B-EDB  
INSTRUMENT OPERATION  
PAGE 2 - 110

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		NRL BIAS		ANGLE		ALTITUDE	Z(H)	ORBIT NO.			
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(W)	(X)	(GXBI)	(GYBI)	-BETA-	-Z-	(KM)	(KM)				
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)			
2B371-1	-1016.00	978.70	51.20				6.0	26.25	55.00	2340.60	2232.70	441.20	160.70	1548		
2B371-2	-1016.00	978.70	51.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	2339.40	3056.20	429.10	-511.90	1548
2B371-3	-1015.00	978.70	51.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	2339.30	2973.30	426.50	-435.90	1548
2B371-4	-1015.00	978.70	51.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	2339.30	2973.30	426.50	-435.90	1548
2B371-5	-1015.00	978.70	51.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	2339.30	2973.30	426.50	-435.90	1548
2B371-6	-1015.00	978.70	51.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	2339.30	2909.40	425.90	-376.70	1548
2B371-7	-1015.00	978.70	51.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	2339.30	2909.40	425.90	-376.70	1548
2B371-8	-1014.00	978.70	51.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	2339.20	2627.10	424.80	-136.20	1548
2B372-1	-1014.00	978.70	51.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	2339.10	2507.80	424.70	-46.30	1548
2B372-2	-991.00	983.70	52.50	.00	.00	.00	9.0	26.25	55.00	26.25	55.00	2326.00	755.30	448.20	376.90	1549
2B372-3	-990.00	983.70	52.50	.00	.00	.00	12.0	26.25	55.00	26.25	55.00	2325.30	1225.30	447.40	447.20	1549
2B372-4	-990.00	983.70	52.50	.00	.00	.00	12.0	26.25	55.00	26.25	55.00	2325.00	1276.20	446.80	446.70	1549
2B372-5	-990.00	983.70	52.50	.00	.00	.00	12.0	26.25	55.00	26.25	55.00	2325.00	1292.60	446.80	446.30	1549
2B372-6	-990.00	983.70	52.50	.00	.00	.00	12.0	26.25	55.00	26.25	55.00	2324.70	1421.90	446.20	437.60	1549
2B372-7	-990.00	983.70	52.50	.00	.00	.00	12.0	26.25	55.00	26.25	55.00	2324.70	1421.90	446.20	437.60	1549
2B372-8	-989.00	983.70	52.50	.00	.00	.00	12.0	26.25	55.00	26.25	55.00	2323.50	2062.90	442.50	250.40	1549
2B373-1	-989.00	983.70	52.50	.00	.00	.00	12.0	26.25	55.00	26.25	55.00	2323.10	2350.30	440.20	88.90	1549
2B373-2	-985.00	983.70	52.50	.00	.00	.00	12.0	26.25	55.00	26.25	55.00	2323.10	2350.30	440.20	88.90	1549
2B373-3	-983.00	983.70	52.50	.00	.00	.00	20.0	26.25	55.00	26.25	55.00	2321.50	1987.10	425.40	257.70	1549
2B373-4	-983.00	983.70	52.50	.00	.00	.00	20.0	26.25	55.00	26.25	55.00	2321.50	1987.10	425.40	257.70	1549

SC82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 111

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	UP EXP								TEMP							
OPEN	CLOSE	EXPOSURE TIME	-G*		(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP	CL	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)					
241:23:55:50:757	56:55: 18	1: 4:261	28373-5	S	LMB	PT	AUTO	S	X	X	5	M3	6	X	H1	OK				
241:23:56:56:685	57:12:850	0:16:165	28373-6	L	LMB	PT	AUTO	S	X	X	5	M3	6	X	H1	OK		OK		
241:23:57:14:517	1:30:753	4:16:236	28373-7	S	LMB	PT	AUTO	S	X	X	5	M3	6	X	H1	OK		OK		
242: 0: 1:32:419	2:36:500	1: 4: 81	28373-8	L	LMB	PT	AUTO	S	X	X	5	G3	6	X	H1	OK		OK		
242: 0: 2:40: 0	7:45:821	5: 5:821	28374-1	S	LMB	PT	AUTO	S	X	X	5	G3	6	X	H1	OK		OK		
242: 0:55:41:508	59:57:258	4:15:750	28374-2	L	LMB	PT	AUTO	S	X	X	5	M3	6	X	H1	OK		OK		
242: 2:58:49: 93	59:28:507	0:39:414	28374-3	S					MAN	X	X	5	ML	6	X	H1	OK		OK	
242: 3: 2:12:661	4:52:487	2:39:826	28374-4	S					MAN	X	X	5	G5	6	X	H1	OK		OK	
242: 3: 8:33:648	9:13:508	0:39:860	28374-5	S					MAN	X	X	5	G5	6	X	H1	OK		OK	
242: 3: 9:41:258	12:20:469	2:39:211	28374-6	S					MAN	X	X	5	G5	6	X	H1	OK		OK	
242:11:46:59:441	49:38:599	2:39:158	28374-7	S					MAN	X	4	5	ML	6	X	H1	OK		OK	
242:12: 3:40:808	9:40:558	5:59:750	28374-8	S	BORE				MAN	X	X	5	ML	6	X	H1	OK		OK	
242:12:10:55:808	16:55:558	5:59:750	28375-1	S	BORE				MAN	X	X	5	ML	6	X	H1	OK		OK	
242:12:17:41:308	23:40:308	5:59: 0	28375-2	S	BORE				MAN	X	X	5	ML	6	X	H1	OK		OK	
242:12:24: 5:558	24: 5:808	0: 0:250	28375-3	S	BORE				MAN	X	X	5	ML	6	X	H1	OK		OK	
242:12:24:45:308	30:44:306	5:59: 0	28375-4	S	BORE				MAN	X	X	5	ML	6	X	H1	OK		OK	
242:12:31: 2:308	35:58:808	4:56:500	28375-5	S	BORE				MAN	X	X	5	ML	6	X	H1	OK		OK	
242:14:52:46:558	54:46: 58	1:59:500	28375-6	L	BORE				MAN	X	X	5	M3	6	X	H1	OK		OK	
242:15:10:43:619	20:43: 86	9:59:467	28375-7	S	BORE				MAN	X	4	5	M3	6	X	H1	OK		OK	
242:15:28:30:558	28:33: 58	0: 2:500	28375-8	S	BORE				AUTO	X	X	5	M3	6	X	H1	OK		OK	

DATE 052275

PAGE 308

5082B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 111

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPE POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(H)	ORBIT	
	(ARCMINS)		(ARCSEC)		(ARCMINS)		(ARCSEC)		(ARCMINS)		(KM)	(KM)	NO.	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-				
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)	
2B373-5	-983.00	983.70	52.50				20.0	26.25	55.00	2321.50	1987.10	425.40	257.70	1549
2B373-6	-983.00	983.70	52.50	.00	.00	.00	20.0	26.25	55.00	2321.40	1829.70	425.90	320.20	1549
2B373-7	-983.00	983.70	52.50	.00	.00	.00	20.0	26.25	55.00	2321.20	1667.40	426.50	369.90	1549
2B373-8	-933.00	983.70	52.50	.00	.00	.00	21.0	26.25	55.00	2320.40	887.80	429.60	396.30	1549
2B374-1	-983.00	983.70	52.50	.00	.00	.00	22.0	26.25	55.00	2320.10	687.60	430.50	346.20	1549
2B374-2	-793.00	995.00	52.50	.00	.00	.00	20.0	26.25	55.00	2309.50	457.70	448.50	266.60	1550
2B374-3	-4173.00	-357.50	153.70	.00	.00	.00	1.00	26.25	55.00	2287.20	2505.50	424.60	-44.80	1551
2B374-4	-4173.00	-357.50	153.70	.00	.00	.00	0.0	26.25	55.00	2286.80	1919.80	425.70	286.20	1551
2B374-5	-1116.00	-852.50	1.30				.0	26.25	55.00	2285.60	794.80	430.20	376.00	1551
2B374-6	-1116.00	-852.50	1.30	.00	.00	.00	.0	26.25	55.00	2285.30	592.00	431.10	314.20	1551
2B374-7	-1733.00	-806.20	136.70	.00	.00	.00	.0	26.25	55.00	2187.80	230.30	448.70	32.60	1557
2B374-8	191.00	25.00	1041.20	.00	.00	.00	.0	26.25	55.00	2183.20	2848.00	435.30	300.50	1557
2B375-1	193.00	25.00	1045.00	.00	.00	.00	.0	26.25	55.00	2182.70	3204.90	427.30	670.80	1557
2B375-2	194.00	26.20	1045.00	.00	.00	.00	.0	26.25	55.00	2182.50	2627.40	424.30	137.40	1557
2B375-3	196.00	30.00	1045.00	.00	.00	.00	.0	26.25	55.00	2181.60	1521.40	427.30	402.00	1557
2B375-4	196.00	28.70	1045.00	.00	.00	.00	.0	26.25	55.00	2181.60	1521.40	427.30	402.00	1557
2B375-5	199.00	31.30	1045.00	.00	.00	.00	.0	26.25	55.00	2179.70	244.40	433.70	153.80	1557
2B375-6	2227.00	983.70	190.00	.00	.00	.00	.0	26.25	55.00	2153.00	106.50	448.80	71.70	1558
2B375-7	2231.00	983.70	190.00	.00	.00	.00	.0	26.25	55.00	2148.00	2935.90	434.40	383.30	1559
2B375-8	2233.00	983.70	190.00	.00	.00	.00	.0	26.25	55.00	2146.90	1956.40	425.70	271.30	1559

5082B-EDB  
INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
PAGE 1 - 112

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP				
OPEN	CLOSE	EXPOSURE TIME	-G+	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
242:15:28:36:558	28:37: 58	0: 0:500	28376-1	L	BORE	AUTO	X	X	5	M3	6	X	H1	OK		OK
242:15:28:38:808	28:49: 58	0:10:250	28376-2	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK		OK
242:15:28:50:808	28:52: 50	0: 1:250	28376-3	L	BORE	AUTO	X	X	5	GS	6	X	H1	OK		OK
242:15:28:53:808	29:33:808	0:40: 0	28376-4	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK		OK
242:15:29:35:558	29:40:558	0: 5: 0	28376-5	L	BORE	AUTO	X	X	5	ML	6	X	H1	OK		OK
242:15:29:42:308	32:22:308	2:40: 0	28376-6	S	BORE	AUTO	X	X	5	ML	6	X	H1	OK		OK
242:15:32:24: 58	32:43:806	0:19:750	28376-7	L	BORE	AUTO	X	X	5	GS	6	X	H1	OK		OK
242:16:55:37:558	50:16:815	2:39:257	28376-8	S		MAN	X	X	5	GS	6	X	H1	OK		OK
242:17: 7:46:205	7:48:872	0: 2:667	28377-1	S		AUTO	X	X	5	MA	6	X	H1	OK		OK
242:17: 7:50:539	7:51: 39	0: 0:500	28377-2	L		AUTO	X	X	5	MA	6	X	H1	OK		OK
242:17: 7:52:808	8: 2:867	0:10: 59	28377-3	S		AUTO	X	X	5	MA	6	X	H1	OK		OK
242:17: 8: 4:534	8: 5:950	0: 1:416	28377-4	L		AUTO	X	X	5	MA	6	X	H1	OK		OK
242:17: 8: 7:534	8:47:698	0:40:164	28377-5	S		AUTO	X	X	5	MA	6	X	H1	OK		OK
242:17: 8:49:532	8:54:699	0: 5:167	28377-6	L		AUTO	X	X	5	GS	6	X	H1	OK		OK
242:17: 8:56:366	11:36:444	2:40: 78	28377-7	S		AUTO	X	X	5	GS	6	X	H1	OK		OK
242:17:11:36:111	11:58:194	0:20: 83	28377-8	L		AUTO	X	X	5	MA	6	X	H1	OK		OK
242:19:39:37:807	39:57:807	0:20: 0	28378-1	S		MAN	X	4	5	GS	6	X	H1	OK		OK
242:20:17:26: 57	17:28:807	0: 2:750	28378-2	S		AUTO	X	X	5	ML	6	X	H1	OK		OK
242:20:17:30:307	17:30:807	0: 0:500	28378-3	L		AUTO	X	X	5	ML	6	X	H1	OK		OK
242:20:17:32:557	17:42:504	0: 9:947	28378-4	S		AUTO	X	X	5	ML	6	X	H1	OK		OK

DATE 052275

PAGE 310

S0828-EDB  
 INSTRUMENT OPERATION  
 PAGE 2- 112

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	----- EPC POINT -----				---- MAX PT EXC ----				LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.			
	GAMRR		GAMX		GAMY		GAMRR			GAMX		GAMY		GXBI		GYBI		
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)		(Y)	(Z)	(AA)	(BB)	(CC)				
2B376-1	2230.60	983.70	190.00						+0	26.25	55.00	2146.90	956.40	425.70	271.30	1559		
2B376-2	2230.60	983.70	190.00	.00	.00	.00	.00	.00	26.25	55.00	2146.90	956.40	425.70	271.30	1559			
2B376-3	2231.00	983.70	190.00	.00	.00	.00	.00	.00	26.25	55.00	2146.70	1786.70	426.30	-472.00	1559			
2B376-4	2231.00	983.70	190.00	.00	.00	.00	.00	.00	26.25	55.00	2146.70	1786.70	426.30	-472.00	1559			
2B376-5	2230.60	983.70	190.00	.00	.00	.00	.00	.00	26.25	55.00	2146.70	786.70	426.30	335.20	1559			
2B376-6	2230.60	983.70	190.00	.00	.00	.00	.00	.00	26.25	55.00	2146.70	786.70	426.30	335.20	1559			
2B376-7	2230.60	983.70	190.00	.00	.00	.00	.00	.00	26.25	55.00	2146.10	256.10	420.70	428.40	1559			
2B376-8	-4353.00	-11.20	3.80	.00	.00	.00	.00	.00	26.25	55.00	2129.80	875.60	424.30	348.80	1560			
2B377-1	-64.00	185.00	200.00	.00	.00	.00	.00	.00	26.25	55.00	2128.00	934.80	430.30	405.40	1560			
2B377-2	-64.00	185.00	200.00	.00	.00	.00	.00	.00	26.25	55.00	2128.00	934.80	430.30	405.40	1560			
2B377-3	-64.00	185.00	200.00	.00	.00	.00	.00	.00	26.25	55.00	2128.00	934.80	430.30	405.40	1560			
2B377-4	-64.00	185.00	200.00	.00	.00	.00	.00	.00	26.25	55.00	2127.70	749.00	431.30	364.70	1560			
2B377-5	-64.00	185.00	200.00	.00	.00	.00	.00	.00	26.25	55.00	2127.70	749.00	431.30	364.70	1560			
2B377-6	-64.00	185.00	200.00	.00	.00	.00	.00	.00	26.25	55.00	2127.70	749.00	431.30	364.70	1560			
2B377-7	-64.00	185.00	200.00	.00	.00	.00	.00	.00	26.25	55.00	2127.70	749.00	431.30	364.70	1560			
2B377-8	-64.70	185.00	200.00	.00	.00	.00	.00	.00	26.25	55.00	2126.80	186.00	434.10	120.00	1560			
2B378-1	17.00	-705.00	-223.70	.00	.00	.00	.00	.00	26.25	55.00	2097.40	1327.20	446.50	444.80	1561			
2B378-2	1829.00	1002.50	100.00	.00	.00	.00	.00	.00	26.25	55.00	2091.30	190.10	434.00	122.50	1562			
2B378-3	1829.00	1002.50	100.00	.00	.00	.00	.00	.00	26.25	55.00	2091.30	176.60	434.00	114.50	1562			
2B378-4	1829.00	1002.50	100.00	.00	.00	.00	.00	.00	26.25	55.00	2091.30	169.50	434.00	110.20	1562			

DATE 052275

PAGE 311

SD82B-EDS  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 113

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP		
OPEN	CLOSE	EXPOSURE TIME	-G+		(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP	CL	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	
242:20:17:44:307	17:45:586	c: 1:279	28378-5	L	AUTO	X	X	5	G5	6	X	H1	OK	OK	
242:20:17:47:169	18:27:333	c: 40:164	28378-6	S	AUTO	X	X	5	G5	6	X	H1	OK	OK	
242:20:18:29:	c	18:34: 83	c: 5: 83	28378-7	L	AUTO	X	X	5	G5	6	X	H1	OK	OK
242:20:18:35:750	21:15:624	2:40: 74	28378-8	S	AUTO	X	X	5	G5	6	X	H1	OK	OK	
242:20:21:19:323	21:39:405	d:20: 82	28379-1	L	AUTO	X	X	5	G3	6	X	H1	OK	OK	
242:21: 6: 1: 32	6: 1:532	c: 0:500	28379-2	L	AUTO	X	4	5	MA	6	X	H1	OK	OK	
242:21: 6: 3:199	6: 5:865	c: 2:666	28379-3	S	AUTO	X	4	5	MA	6	X	H1	OK	OK	
242:21: 6: 7:531	6: 8:865	d: 1:334	28379-4	L	AUTO	X	4	5	MA	6	X	H1	OK	OK	
242:21: 6:10:531	6:20:697	c:10:166	28379-5	S	AUTO	X	4	5	MA	6	X	H1	OK	OK	
242:21: 6:22:364	6:27:531	c: 5:167	28379-6	L	AUTO	X	4	5	MA	6	X	H1	OK	OK	
242:21: 6:29:281	7: 9:446	d:40:165	28379-7	S	AUTO	X	4	5	MA	6	A	H1	OK	OK	
242:21: 7:11:113	7:31:112	c:19:999	28379-8	L	AUTO	X	4	5	MA	6	A	H1	OK	OK	
242:21: 7:34:612	10:14:807	2:40:195	28380-1	S	AUTO	X	4	5	MA	6	X	H1	OK	OK	
242:21:46:35:307	46:36: 57	c: 2:750	28380-2	S	AUTO	X	4	5	MA	6	X	H1	OK	OK	
242:21:46:39:807	46:40:307	c: 0:500	28380-3	L	AUTO	X	4	5	MA	6	X	H1	OK	OK	
242:21:46:41:807	46:52: 57	c:10:250	28380-4	S	AUTO	X	4	5	MA	6	X	H1	OK	OK	
242:21:46:53:807	46:55: 57	c: 1:250	28380-5	L	AUTO	X	4	5	G5	6	X	H1	OK	OK	
242:21:46:56:807	47:36:807	c:40: 0	28380-6	S	AUTO	X	4	5	G5	6	X	H1	OK	OK	
242:21:47:38:557	47:43:557	c: 5: 0	28380-7	L	AUTO	X	X	5	G5	6	X	H1	OK	OK	
242:21:47:45:307	50:25:242	2:39:935	28380-8	S	AUTO	X	4	5	G5	6	A	H1	OK	OK	

DATE 052275

PAGE 312

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 113

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(H)	ORBIT	
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCSEC)	(ARCSEC)	(ARCMINS)	(KM)	(KM)	NO.		
(D)	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-				
	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)	
2B378-5	1829.00	1002.50	100.00				00	26.25	55.00	2091.30	132.40	434.00	87.40	1562
2B378-6	1829.00	1002.00	100.00	.00	.00	.00	.00	26.25	55.00	2091.30	123.30	434.00	81.70	1562
2B378-7	1829.00	1002.50	100.00	.00	.00	.00	.00	26.25	55.00	2091.00	-9.00	434.80	434.80	1562
2B378-8	1829.00	1002.50	100.00	.00	.00	.00	.00	26.25	55.00	2091.00	-30.40	434.80	434.50	1562
2B379-1	1829.00	1002.50	100.00	.00	.00	.00	.00	26.25	55.00	2089.90	-546.50	437.20	351.30	1562
2B379-2	-38.00	218.80	201.20	.00	.00	.00	.00	26.25	55.00	2081.60	174.20	448.90	115.10	1562
2B379-3	-38.00	218.80	201.20	.00	.00	.00	.00	26.25	55.00	2081.60	181.00	448.90	119.30	1562
2B379-4	-38.00	218.80	201.20	.00	.00	.00	.00	26.25	55.00	2081.60	194.60	448.90	127.60	1562
2B379-5	-38.00	218.80	201.20	.00	.00	.00	.00	26.25	55.00	2081.60	204.10	448.90	133.20	1562
2B379-6	-38.00	218.80	201.20	.00	.00	.00	.00	26.25	55.00	2081.60	241.40	448.90	155.10	1562
2B379-7	-38.00	218.80	201.20	.00	.00	.00	.00	26.25	55.00	2081.60	263.20	448.90	167.50	1562
2B379-8	-38.00	218.80	201.20	.00	.00	.00	.00	26.25	55.00	2081.20	395.00	448.80	237.00	1562
2B380-1	-38.00	218.80	201.20	.00	.00	.00	.00	26.25	55.00	2081.20	468.80	448.80	271.80	1562
2B380-2	-44.00	225.00	201.20	.00	.00	.00	.00	26.25	55.00	2074.70	960.90	430.10	409.50	1563
2B380-3	-44.00	225.00	201.20	.00	.00	.00	.00	26.25	55.00	2074.70	946.90	430.10	407.30	1563
2B380-4	-44.00	225.00	201.20	.00	.00	.00	.00	26.25	55.00	2074.70	940.60	430.10	406.30	1563
2B380-5	-44.00	225.00	201.20	.00	.00	.00	.00	26.25	55.00	2074.70	903.20	430.10	399.70	1563
2B380-6	-44.00	225.00	201.20	.00	.00	.00	.00	26.25	55.00	2074.70	893.90	430.10	397.90	1563
2B380-7	-44.00	225.00	201.20	.00	.00	.00	.00	26.25	55.00	2074.50	762.90	431.00	368.30	1563
2B380-8	-44.00	225.00	201.20	.00	.00	.00	.00	26.25	55.00	2074.50	741.70	431.00	362.50	1563

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 114

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	EXPOSURE TIME	-G-	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
242:21:50:26:742	50:48:741	0:19:999	28381-1	L		AUTO	X	4	5	MA	6	X	H1	OK	OK
242:22:48: 5:807	48: 9:807	0: 4: 0	28381-2	L	LM SC	AUTO	X	X	5	MA	6	X	H1	OK	OK
242:22:48:11:557	48:27:807	0:16:250	28381-3	S	LM SC	AUTO	X	X	5	MA	6	X	H1	OK	OK
242:22:48:29:307	48:45:557	0:16:250	28381-4	L	LM SC	AUTO	X	X	5	MA	6	X	H1	OK	OK
242:22:48:47:307	49:51:307	1: 4: 0	28381-5	S	LM SC	AUTO	X	X	5	MA	6	X	H1	OK	OK
242:22:49:53: 57	50:57:307	1: 4:250	28381-6	L	LM SC	AUTO	X	X	5	MA	6	X	H1	OK	OK
242:22:50:58:807	55:15: 57	4:16:250	28381-7	S	LM SC	AUTO	X	X	5	MA	6	X	H1	OK	OK
242:22:55:16:807	59:32:807	4:16: 0	28381-8	L	LM SC	AUTO	X	X	5	MA	6	X	H1	OK	OK
242:22:59:36:307	16:40:579	17: 4:272	28382-1	S	LM SC	AUTO	X	X	5	G3	6	X	H1	OK	OK
243: 0:22:38:729	23:37:726	0:58:997	28382-2	S		MAN	2	4	5	G3	6	X	H1	OK	OK
243: 0:24:37:472	29:36:707	4:59:235	28382-3	S		MAN	2	4	5	G3	6	X	H1	OK	OK
243: 1:44:23:558	44:37:558	0:14: 0	28382-4	S		MAN	X	X	5		6	X	H1	OK	OK
243: 1:45: 2:558	45:11:558	0: 9: 0	28382-5	S		MAN	X	X	5		6	X	H1	OK	OK
243: 1:45:46: 58	46:25:558	0:39:500	28382-6	S		MAN	X	X	5		6	X	H1	OK	OK
243: 1:46:52:808	49:32:558	2:39:750	28382-7	S		MAN	X	X	5		6	X	H1	OK	OK
243: 1:58: 0:125	58:39:456	0:39:331	28382-8	S	BORE	MAN	X	X	5	ML	6	X	H1	OK	OK
243: 2:13:56:558	14:15:419	0:18:861	28383-1	S	BORE	MAN	X	X	5	ML	6	X	H1	OK	OK
243: 2:17:44: 70	18:23:401	0:39:331	28383-2	S	BORE	MAN	X	X	5	MA	6	X	H1	OK	OK
243:12:40: 0:654	40:40: 68	0:39:414	28383-3	S		MAN	X	4	5		6	X	H1	OK	OK
243:12:42:17:563	42:27: 62	0: 9:499	28383-4	S		MAN	X	4	5	ML	6	X	H1	OK	OK

50828-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 114

FRAME COUNT	EPE POINT			MAX PT EXC			LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT
	(ARCMINS)			(ARCSEC)			(ARCMINS)		(ARCSEC)		(ARCMINS)		(KM)	(KM)	NO.
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY			GXB1	GYB1	-BETA-	-Z-			
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)			(Y)	(Z)	(AA)	(BB)	(CC)
2B381-1	-44.00	225.00	201.20				.0		26.25	55.00	2073.50	224.90	433.80	142.70	1563
2B381-2	1978.00	1006.20	18.80	.00	.00	.00		.00	26.25	55.00	2060.80	1794.70	444.20	357.90	1563
2B381-3	1978.00	1006.20	18.80	.00	.00	.00		.00	26.25	55.00	2060.80	1794.70	444.20	357.90	1563
2B381-4	1978.00	1006.20	18.80	.00	.00	.00		.00	26.25	55.00	2060.80	1794.70	444.20	357.90	1563
2B381-5	1978.00	1006.20	18.80	.00	.00	.00		.00	26.25	55.00	2060.80	1794.70	444.20	357.90	1563
2B381-6	1978.00	1006.20	18.80	.00	.00	.00		.00	26.25	55.00	2060.50	1967.90	443.10	293.30	1563
2B381-7	1978.00	1006.20	18.80	.00	.00	.00		.00	26.25	55.00	2060.30	2136.60	442.00	213.70	1563
2B381-8	1978.00	1006.20	18.80	.00	.00	.00		.00	26.25	55.00	2059.30	2878.20	435.70	-327.00	1563
2B382-1	1978.00	1006.20	18.80	.00	.00	.00		-1.00	26.25	55.00	2058.90	3256.90	430.70	-719.60	1563
2B382-2	-4180.80	23.70	25.00	.00	.00	.00		1.00	26.25	55.00	2042.80	1937.20	443.30	306.00	1564
2B382-3	-4180.80	23.70	25.00	.66	.00	.00		.00	26.25	55.00	2042.30	2273.50	441.00	137.00	1564
2B382-4	16.00	.00	571.20	.00	.00	.00		.00	26.25	55.00	2028.70	-71.90	448.90	447.40	1565
2B382-5	16.00	46.00	571.20	.99	77.50	.00		.00	26.25	55.00	2028.30	52.60	449.00	36.50	1565
2B382-6	16.00	35.00	571.20	.99	31.25	.00		.00	26.25	55.00	2028.30	191.30	449.00	125.60	1565
2B382-7	16.00	55.00	571.20	.99	61.25	.00		.00	26.25	55.00	2028.00	403.90	448.90	241.40	1565
2B382-8	-1727.00	-751.20	105.00	.99	.00	.00		.00	26.25	55.00	2024.30	2408.30	440.00	51.20	1565
2B383-1	-1727.00	-750.00	105.00	.00	.00	.00		.00	26.25	55.00	2023.00	3109.70	424.80	-576.00	1565
2B383-2	203.00	-897.50	185.00	.99	.00	.00		.00	26.25	55.00	2022.80	2594.50	424.70	-111.00	1565
2B383-3	410.00	-888.70	131.20	.99	.00	.00		.00	226.25	55.00	1901.90	525.70	448.70	296.40	1572
2B383-4	410.00	-888.70	131.20	.99	.00	.00		.00	26.25	55.00	1901.20	914.30	447.90	414.90	1572

50828-ED8

INSTRUMENT OPERATION  
PAGE 1 - 115

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP						
OPEN	CLOSE	EXPOSURE TIME	-G-		(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP	CL
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)				
243:13: 6:35:358	7:35:108	0:59:750	28383-5	S		MAN	2	4	5	G3	6	X	H1	OK				OK	
243:13: 8: 6:858	13: 6:158	4:59:250	28383-6	S		MAN	2	4	5	G3	6	X	H1	OK				OK	
243:14:17:50:876	18:30:792	0:39:914	28383-7	S		MAN	X	X	5	ML	6	X	H1	OK				OK	
243:14:46:41:858	46:44:608	0: 2:750	28383-8	S		AUTO	X	X	5	MA	6	X	H1	OK				OK	
243:14:46:48:108	46:48:608	0: 0:500	28384-1	L		AUTO	X	X	5	MA	6	X	H1	OK				OK	
243:14:46:50:358	47: 2:358	0:10: 0	28384-2	S		AUTO	X	X	5	MA	6	X	H1	OK				OK	
243:14:47: 2:108	47: 3:608	0: 1:500	28384-3	L		AUTO	X	X	5	MA	6	X	H1	OK				OK	
243:14:47: 5:108	47:45:358	0:40:250	28384-4	S		AUTO	X	X	5	MA	6	X	H1	OK				OK	
243:14:47:46:858	47:52:108	0: 5:250	28384-5	L		AUTO	X	X	5	MA	6	X	H1	OK				OK	
243:14:47:53:608	50:33:858	2:40:250	28384-6	S		AUTO	X	X	5	MA	6	X	H1	OK				OK	
243:14:50:35:608	50:55:608	0:20: 0	28384-7	L		AUTO	X	X	5	MA	6	X	H1	OK				OK	
243:14:51:38:858	51:39:358	0: 0:500	28384-8	L		AUTO	X	X	5	MA	6	X	H1	OK				OK	
243:14:51:53:858	51:56:358	0: 2:500	28385-1	S		AUTO	X	X	5	MA	6	X	H1	OK				OK	
243:14:51:58:108	51:58:608	0: 0:500	28385-2	L		AUTO	X	X	5	MA	6	X	H1	OK				OK	
243:14:52:32:858	52:25:108	7:52:250	28385-3	S		MAN	X	X	5	MA	6	X	H1	OK				OK	
243:16: 3:45: 80	8:44:608	4:59:528	28385-4	L		MAN	X	X	5	MA	6	X	H1	OK				OK	
243:16:31:47:608	32: 7:858	0:20:250	28385-5	S		MAN	X	X	5	MA	6	X	H1	OK				OK	
243:17:17:41:608	27:40:358	9:58:750	28385-6	S	BORE	MAN	X	X	5	M3	6	X	H1	OK				OK	
243:17:47:10:108	57: 9:257	9:59:149	28385-7	S	LMB PT	MAN	2	4	5	M3	6	X	H1	OK				OK	
243:19:15:57:608	16:13:608	0:16: 0	28385-8	S	LM SC	AUTO	X	4	5	MA	6	X	H1	OK				OK	

SD82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 115

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.	
	(ARCMINS) (ARCSEC)		(ARCMINS) (ARCSEC)				GXB1	GYB1	-BETA-	-Z-	(KM)	(KM)		
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)
2B383-5	-4197.99	22.50	25.00		.00	.00	.00	.00	26.25	55.00	1897.50	3164.20	424.40	633.80 1572
2B383-6	-4197.90	22.50	25.00		.00	.00	.00	.00	26.25	55.00	1897.30	2903.90	424.30	374.90 1572
2B383-7	-1863.00	-666.20	135.00		.00	.00	.00	.00	26.25	55.00	1882.60	1260.60	446.60	446.60 1573
2B383-8	1515.40	993.70	20.00		.00	.00	.00	.00	26.25	55.00	1878.80	2132.60	426.10	189.30 1573
2B384-1	1515.40	993.70	20.00		.00	.00	.00	.00	26.25	55.00	1878.80	2132.60	426.10	189.30 1573
2B384-2	1515.40	993.70	20.00		.00	.00	.00	.00	26.25	55.00	1878.80	2132.60	426.10	189.30 1573
2B384-3	1515.40	993.70	20.00		.00	.00	.00	.00	26.25	55.00	1878.60	1951.50	426.70	274.90 1573
2B384-4	1515.40	993.70	20.00		.00	.00	.00	.00	26.25	55.00	1878.60	1951.50	426.70	274.90 1573
2B384-5	1515.40	993.70	20.00		.00	.00	.00	.00	26.25	55.00	1878.60	1951.50	426.70	274.90 1573
2B384-6	1515.40	993.70	20.00		.00	.00	.00	.00	26.25	55.00	1878.60	1951.50	426.70	274.90 1573
2B384-7	1515.40	993.70	20.00		.00	.00	.00	.00	26.25	55.00	1878.00	1388.30	429.10	421.60 1573
2B384-8	1515.40	1010.00	28.70		.00	.00	.00	.00	26.25	55.00	1877.70	1195.80	430.00	429.70 1573
2B385-1	1515.40	1010.00	30.00		.00	.00	.00	.00	26.25	55.00	1877.70	1195.80	430.00	429.70 1573
2B385-2	1515.40	1010.00	30.00		.00	.00	.00	.00	26.25	55.00	1877.70	1195.80	430.00	429.70 1573
2B385-3	1515.40	1010.00	30.00		.00	.00	.00	.00	26.25	55.00	1877.50	1000.00	430.90	416.00 1573
2B385-4	1567.00	995.00	40.00		.00	.00	.00	.00	26.25	55.00	1861.90	3279.00	431.40	297.00 1574
2B385-5	-4146.00	95.00	-185.00		.00	.00	.00	.00	26.25	55.00	1857.50	-296.30	436.60	411.30 1574
2B385-6	1967.00	991.20	55.00		.00	.00	.00	.00	26.25	55.00	1848.70	6.40	449.30	4.50 1574
2B385-7	-1661.00	982.50	53.70		.00	.00	.00	.00	26.25	55.00	1843.30	3390.00	424.30	500.30 1575
2B385-8	344.00	-947.50	56.30		.00	.00	.00	.00	26.25	55.00	1825.40	3542.90	426.00	65.50 1576

DATE 052275

PAGE 317

S082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 1- 116

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP				TEMP					
OPEN	CLOSE	TIME	-GE	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
243:19:16:17:358	16:21:358	0: 4: 0	2B386-1	L	LM SC	AUTO	X	4	5	MA	6	X	H1	OK	OK
243:19:16:23:108	17:27:358	1: 4:250	2B386-2	S	LM SC	AUTO	X	4	5	MA	6	X	H1	OK	OK
243:19:17:28:858	17:45:108	0:16:250	2B386-3	L	LM SC	AUTO	X	4	5	MA	6	X	H1	OK	OK
243:19:17:46:608	22: 2:771	4:16:163	2B386-4	S	LM SC	AUTO	X	4	5	MA	6	X	H1	OK	OK
243:19:22: 4:437	23: 8:600	1: 4:163	2B386-5	L	LM SC	AUTO	X	4	5	MA	6	X	H1	OK	OK
243:19:23:10:183	38:19:804	15: 9:621	2B386-6	S	LM SC	AUTO	X	4	5	MA	6	A	H1	OK	OK
243:19:38:23:137	38:33:470	0:10:333	2B386-7	L		AUTO	X	4	5	G3	6	X	H1	OK	OK
243:21:59: 8:993	59:18:825	0: 9:832	2B386-8	S		MAN	X	4	5	G5	6	X	H1	OK	OK
243:22:10:27:358	10:37:108	0: 9:750	2B387-1	S		MAN	X	4	5	ML	6	A	H1	OK	OK
243:22:25: 6:408	25:16:908	0:10:500	2B387-2	S		MAN	X	4	5	ML	6	A	H1	OK	OK
244: 0: 1:47:159	1:56:409	0: 9:250	2B387-3	S		MAN	X	X	5	MA	6	X	H1	OK	OK
244: 0: 2:29:909	3: 9:409	0:39:500	2B387-4	S		MAN	X	X	5	MA	6	X	H1	OK	OK
244: 0: 3:37:909	6:17:300	2:39:391	2B387-5	S		MAN	X	X	5	MA	6	X	H1	OK	OK
244: 1: 9: 8:909	14: 8:108	4:59:199	2B387-6	S		MAN	2	4	5	G3	6	X	H1	OK	OK
244: 1:15:10:270	25:10:159	9:59:869	2B387-7	S		MAN	2	4	5	G3	6	X	H1	OK	OK
244:12:13: 9:458	14: 9:458	1: 0: 0	2B387-8	S		MAN	2	4	5	G3	6	X	H1	OK	OK
244:12:14:24:458	19:23:458	4:59: 0	2B388-1	S		MAN	2	4	5	G3	6	X	H1	OK	OK
244:12:35:39: 33	35:41:533	0: 2:500	2B388-2	S		AUTO	X	X	5	MA	6	X	H1	OK	OK
244:12:35:43:234	35:43:734	0: 0:500	2B388-3	L		AUTO	X	X	5	MA	6	X	H1	OK	OK
244:12:35:45:434	35:55:500	0:10: 66	2B388-4	S		AUTO	X	X	5	MA	6	X	H1	OK	OK

5082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 116

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
	(ARCMINS)			(ARCSEC)				(ARCSEC)										
	GAMRR	GANX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	-BETA- OPEN	-Z- OPEN	(AA)	(BB)	(CC)				
28386-1	344.00	-947.50	56.30				25.0	26.25	55.00	1825.40	3491.60	425.40	4.10	1576				
28386-2	344.00	-947.50	56.30	.00	.00	.00	25.0	26.25	55.00	1825.40	3491.60	425.40	4.10	1576				
28386-3	344.00	-947.50	56.30	.00	.00	.00	26.0	26.25	55.00	1825.30	3416.60	424.90	915.60	1576				
28386-4	344.00	-947.50	56.30	.00	.00	.00	26.0	26.25	55.00	1825.30	3416.60	424.90	915.60	1576				
28386-5	344.00	-947.50	56.30	.00	.00	.00	26.0	26.25	55.00	1825.00	2781.00	424.50	264.00	1576				
28386-6	344.00	-947.50	56.30	.00	.00	.00	27.0	26.25	55.00	1824.90	2618.70	424.80	129.40	1576				
28386-7	344.00	-947.50	56.30	.00	.00	.00	.0	26.25	55.00	1821.10	-327.70	436.50	405.60	1576				
28386-8	-1351.00	306.00	-88.70	.00	.00	.00	.0	26.25	55.00	1804.30	4700.00	449.00	315.00	1577				
28387-1	-1351.00	306.00	-88.70	.00	.00	.00	.0	26.25	55.00	1779.60	2600.00	438.90	446.70	1577				
28387-2	-1351.00	306.20	-88.70	.00	.00	.00	.0	26.25	55.00	1793.40	3300.00	424.50	274.40	1577				
28387-3	1.30	16.20	556.20	.00	16.25	.00	.0	26.25	55.00	1770.50	2917.40	424.50	-387.20	1578				
28387-4	1.30	25.00	556.20	.00			.0	26.25	55.00	1770.40	2757.60	424.70	-243.40	1578				
28387-5	1.30	1.30	558.70	.00	36.25	.00	.0	26.25	55.00	1770.30	2589.60	425.10	-106.40	1578				
28387-6	-4264.90	25.00	25.00	.00	67.50	26.25	.0	26.25	55.00	1755.80	1216.20	446.90	446.60	1579				
28387-7	-4264.90	25.00	25.00	.00	.00	.00	.0	26.25	55.00	1754.90	2328.20	440.60	103.50	1579				
28387-8	-4196.00	22.50	23.70	.00	.00	.00	.0	26.25	55.00	1625.30	3306.10	432.70	-769.80	1586				
28388-1	-4196.00	22.50	23.70	.00	.00	.00	.0	26.25	55.00	1625.20	3438.80	431.40	-926.10	1586				
28388-2	277.00	-816.00	175.00	.00	.00	.00	.0	26.25	55.00	1623.60	1252.50	430.80	314.70	1586				
28388-3	277.00	-816.20	175.00	.00	.00	.0	.0	26.25	55.00	1622.80	1252.50	430.40	430.40	1586				
28388-4	277.00	-816.60	175.00	.00	.00	.00	.0	26.25	55.00	1622.80	1252.50	430.40	430.40	1586				

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 117

SHUTTER			FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	EXPOSURE TIME		-G-	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
244:12:35:57:200	35:58:617	C: 1:417	28388-5	L	AUTO	X	4	5	MA	6	X	H1	OK			
244:12:36: 0:317	36:4C:473	C:4C:156	28388-6	S	AUTO	X	4	5	MA	6	X	H1	OK			OK
244:12:36:42:208	36:47:458	C: 5:250	28388-7	L	AUTO	X	X	5	MA	6	X	H1	OK			OK
244:12:36:48:958	39:29: 16	2:40: 58	28388-8	S	AUTO	X	X	5	MA	6	X	H1	OK			OK
244:12:39:30:716	39:5C:716	C:2C: 0	28389-1	L	AUTO	X	X	5	MA	6	X	H1	OK			OK
244:13:46:43:508	46:44: 8	C: C:500	28389-2	L	AUTO	X	X	5	MA	6	X	H1	OK			OK
244:13:46:45:756	46:48:484	C: 2:726	28389-3	S	AUTO	X	X	5	MA	6	X	H1	OK			OK
244:13:46:50:150	46:51:567	C: 1:417	28389-4	L	AUTO	X	X	5	MA	6	X	H1	OK			OK
244:13:46:53:233	47: 3:399	C:10:166	28389-5	S	AUTO	X	X	5	MA	6	X	H1	OK			OK
244:13:47: 4:983	47:10:148	C: 5:165	28389-6	L	AUTO	X	X	5	MA	6	X	H1	OK			OK
244:13:47:11:815	47:51:979	C:4C:164	28389-7	S	AUTO	X	X	5	MA	6	X	H1	OK			OK
244:13:47:53:645	48:13:645	C:2C: 0	28389-8	L	AUTO	X	X	5	MA	6	X	H1	OK			OK
244:13:48:17:145	50:57:301	2:40:156	28390-1	S	AUTO	X	X	5	MA	6	X	H1	OK			OK
244:13:54:51:293	54:53:959	D: 2:666	28390-2	S	AUTO	X	X	5	GS	6	X	H1	OK			OK
244:13:54:55:625	54:56:125	C: C:500	28390-3	L	AUTO	X	X	5	GS	6	X	H1	OK			OK
244:13:54:57:792	55: 7:958	C:1C:166	28390-4	S	AUTO	X	X	5	GS	6	X	H1	OK			OK
244:13:55: 9:625	55:11: 42	C: 1:417	28390-5	L	AUTO	X	X	5	GS	6	X	H1	OK			OK
244:13:55:12:625	55:52:791	C:4C:166	28390-6	S	AUTO	X	X	5	GS	6	X	H1	OK			OK
244:13:55:54:458	55:59:624	C: 5:166	28390-7	L	AUTO	X	X	5	GS	6	X	H1	OK			OK
244:13:56: 1:208	58:41:258	2:40: 50	28390-8	S	AUTO	X	X	5	ML	6	X	H1	OK			OK

S082B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 117

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.		
	(ARCMINS) (ARCSEC)		(ARCMINS) (ARCSEC)				(ARCSEC)		(ARCMINS)		(KM)	(KM)			
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	OPEN	OPEN			
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)			(Y)	(Z)	(AA)	(BB)	(CC)
2B368-5	277.00	-816.00	175.00				.0		26.25	55.00	1623.00	1252.50	430.40	4.00	1586
2B388-6	277.00	-816.00	175.00	.00	.00	.00	.00		26.25	55.00	1623.00	1252.50	430.40	-894.10	1586
2B388-7	277.00	-816.20	175.00	.00	.00	.00	.00		26.25	55.00	1622.80	1109.50	430.40	426.30	1586
2B388-8	277.00	-816.20	175.00	.00	.00	.00	.00		26.25	55.00	1622.80	1086.70	430.40	424.60	1586
2B389-1	277.00	-816.00	175.00	.00	.00	.00	.00		26.25	55.00	1621.90	639.90	433.10	296.40	1586
2B389-2	1385.00	988.70	-20.00				.0		26.25	55.00	1607.00	3289.10	432.90	-750.20	1587
2B389-3	1385.00	988.70	-20.00	.00	.00	.00	.00		26.25	55.00	1607.00	3289.10	432.90	-750.20	1587
2B389-4	1385.00	988.70	-20.00	.00	.00	.00	.00		26.25	55.00	1607.00	3289.10	432.90	-750.20	1587
2B389-5	1385.00	988.70	-20.00	.00	.00	.00	.0		26.25	55.00	1607.00	3289.10	432.90	-750.20	1587
2B389-6	1385.00	988.70	-20.00	.00	.00	.00	.00		26.25	55.00	1606.90	3426.30	431.60	-910.80	1587
2B389-7	1385.00	988.70	-20.00	.00	.00	.00	.0		26.25	55.00	1606.90	3426.30	431.60	-910.80	1587
2B389-8	1385.00	988.70	-20.00	.00	.00	.00	.0		26.25	55.00	1606.90	3426.30	431.60	-910.80	1587
2B390-1	1385.00	988.70	-20.00	.00	.00	.00	.00		26.25	55.00	1606.80	3546.70	430.40	-1059.40	1587
2B390-2	-4097.00	-500.00	336.20				.00		26.25	55.00	1606.50	3736.10	425.10	-1314.90	1587
2B390-3	-4097.00	-500.00	336.20	.00	.00	.00	.0		26.25	55.00	1606.50	3736.10	425.10	-1314.90	1587
2B390-4	-4097.00	-500.00	336.20	.00	.00	.00	.00		26.25	55.00	1606.50	3736.10	425.10	-1314.90	1587
2B390-5	-4097.00	-500.00	336.20	.00	.00	.00	.0		26.25	55.00	1606.50	3665.30	424.60	-1223.60	1587
2B390-6	-4097.00	-500.00	336.20	.00	.00	.00	.0		26.25	55.00	1606.50	3665.30	424.60	-1223.60	1587
2B390-7	-4097.00	-500.00	336.20	.00	.00	.00	.00		26.25	55.00	1606.50	3665.30	424.60	-1223.60	1587
2B390-8	-4097.00	-500.00	336.20	.00	.00	.00	.0		26.25	55.00	1606.50	3569.50	424.30	-1102.80	1587

DATE 052275

PAGE 321

SD82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1- 118

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP					
OPEN	CLOSE	EXPOSURE TIME	-G-		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP	CL
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)			
244:13:58:44:758	59: 5: 8	0:20:250	2B391-1	L		AUTO	X	X	5	ML	6	X	H1	OK			OK	
244:14: 2:12: 8	2:32: 6	0:20: 0	2B391-2	S		MAN	X	X	5	ML	6	X	H1	OK			OK	
244:14: 4:17:258	4:37: 8	0:19:750	2B391-3	S		MAN	X	X	5	ML	6	X	H1	OK			OK	
244:16:52:45:289	8:44:411	15:59:122	2B391-4	S		MAN	X	4	5	GS	6	X	H1	OK			OK	
244:17: 9:52:822	22:52:508	12:59:686	2B391-5	S		MAN	X	X	5	G3	6	X	H1	OK			OK	
244:18:33:16:507	49:16:127	15:59:620	2B391-6	S	BORE	MAN	X	X	5	GS	6	X	H1	OK			OK	
244:18:52: 5:453	52:15:117	0: 9:664	2B391-7	S	BORE	MAN	X	X	5	M3	6	X	H1	OK			OK	
244:18:52:42:198	53:21:113	0:38:915	2B391-8	S	BORE	MAN	X	X	5	M3	6	X	H1	OK			OK	
244:18:53:32:946	56:12:106	2:39:160	2B392-1	S	BORE	MAN	X	X	5	M3	6	X	H1	OK			OK	
244:20:24:12:109	24:14:775	0: 2:666	2B392-2	S		AUTO	X	X	5		6	X	H1	OK			OK	
244:20:24:16:442	24:16:942	0: 0:500	2B392-3	L		AUTO	X	X	5		6	X	H1	OK			OK	
244:20:24:18:609	24:28:775	0:10:166	2B392-4	S		AUTO	X	X	5	MA	6	X	H1	OK			OK	
244:20:24:30:442	24:31:859	0: 1:417	2B392-5	L		AUTO	X	4	5	MA	6	X	H1	OK			OK	
244:20:24:33:442	25:16:757	0:43:315	2B392-6	S		AUTO	X	4	5	MA	6	X	H1	OK			OK	
244:20:25:25:257	28: 5:257	2:40: 0	2B392-8	S		AUTO	X	4	5	MA	6	X	H1	OK			OK	
244:20:28: 8:757	28:28:757	0:20: 0	2B393-1	L		AUTO	X	4	5	MA	6	X	H1	OK			OK	
244:21:25:51:507	25:52: 7	0: 0:500	2B393-2	L		AUTO	X	4	5	ML	6	X	H1	OK			OK	
244:21:25:53:757	25:56:257	0: 2:500	2B393-3	S		AUTO	X	4	5	ML	6	X	H1	OK			OK	
244:21:25:58: 7	25:59:507	0: 1:500	2B393-4	L		AUTO	X	4	5	ML	6	X	H1	OK			OK	

DATE 052275

PAGE 322

SO82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 118

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF	NRL BIAS		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
	(ARCMINS)			(ARCSEC)				(ARCSEC)										
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)					
2B391-1	-4097.00	-500.00	336.20				.0	26.25	55.00	1406.40	3318.00	424.00	-803.70	1587				
2B391-2	903.00	-822.50	-6.30	.00	.00	.00	.0	26.25	55.00	1406.00	2661.10	425.00	-162.80	1587				
2B391-3	903.00	-663.70	-493.70	.00	.00	.00	.0	26.25	55.00	1605.70	2288.90	426.10	101.70	1587				
2B391-4	1652.00	987.50	65.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	1570.40	3251.90	433.20	-708.30	1589		
2B391-5	1652.00	1006.20	57.50	.00	.00	.00	.0	26.25	55.00	1569.30	2572.70	425.30	-93.00	1589				
2B391-6	1878.00	992.50	55.00	.00	5.00	.00	.0	26.25	55.00	1551.50	3820.70	425.30	-1427.70	1590				
2B391-7	109.00	20.00	556.20	.00	.00	.00	.0	26.25	55.00	1548.50	596.40	433.40	316.90	1590				
2B391-8	109.00	51.20	556.20	.00	55.00	.00	.0	26.25	55.00	1548.50	469.10	433.40	265.90	1590				
2B392-1	109.00	22.50	556.20	.00	82.50	.00	.0	26.25	55.00	1548.10	293.00	434.20	180.60	1590				
2B392-2	-1727.00	788.70	-130.00	.00	113.75	.00	.00	26.25	55.00	1530.30	827.40	432.40	385.40	1591				
2B392-3	-1727.00	788.70	-130.00	.00	.00	.00	.0	26.25	55.00	1530.30	812.40	432.40	381.80	1591				
2B392-4	-1727.00	788.70	-130.00	.00	.00	.00	.0	26.25	55.00	1530.30	804.90	432.40	380.00	1591				
2B392-5	-1727.00	788.70	-130.00	.00	.00	.00	.0	26.25	55.00	1530.30	763.90	432.40	369.40	1591				
2B392-6	-1727.00	788.70	-130.00	.00	.00	.00	.0	26.25	55.00	1530.30	753.50	432.40	366.60	1591				
2B392-7	-1727.00	788.70	-130.00	.00	.00	.00	.0	26.25	55.00	1530.00	598.10	433.20	317.50	1591				
2B392-8	-1727.00	788.70	-130.00	.00	.00	.00	.0	26.25	55.00	1530.00	573.80	433.20	308.50	1591				
2B393-1	-1727.00	788.70	-130.00	.00	.00	.00	.0	26.25	55.00	1529.00	5.10	435.60	3.50	1591				
2B393-2	-2588.00	-765.00	350.00	.00	.00	.00	.0	26.25	55.00	1516.30	2084.50	442.20	239.80	1591				
2B393-3	-2588.00	-765.00	350.00	.00	.00	.00	.0	26.25	55.00	1516.30	2084.50	442.20	239.80	1591				
2B393-4	-2588.00	-765.00	350.00	.00	.00	.00	.0	26.25	55.00	1516.30	2084.50	442.20	239.80	1591				

SC82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1- 119

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP			
OPEN	CLOSE	EXPOSURE TIME	-G-		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
244:21:26: 1: 7	26:11:257	0:10:250	28393-5	S	AUTO	X	4	5	ML	6	X	HI	OK			OK
244:21:26:12:757	26:18: 7	0: 5:250	28393-6	L	AUTO	X	4	5	ML	6	A	HI	OK			OK
244:21:26:19:757	26:59:757	0:40: C	28393-7	S	AUTO	X	4	5	ML	6	A	HI	OK			OK
244:21:27: 1:507	27:21:507	0:20: C	28393-8	L	AUTO	X	4	5	ML	6	X	HI	OK			OK
244:21:27:25: 7	30: 5: 7	2:40: C	28394-1	S	AUTO	X	4	5	ML	6	A	HI	OK			OK
244:21:32:37:257	32:46:757	0: 9:500	28394-2	S	MAN	X	X	5	MA	6	A	HI	OK			OK
244:21:39:53: 7	39:55:757	0: 2:750	28394-3	S	AUTO	X	X	5	MA	6	X	HI	OK			OK
244:21:39:57:257	39:57:757	0: 0:500	28394-4	L	AUTO	X	X	5	MA	6	X	HI	OK			OK
244:21:39:59:507	40: 9:507	0:10: C	28394-5	S	AUTO	X	X	5	MA	6	X	HI	OK			OK
244:21:40:11:257	40:12:757	0: 1:500	28394-6	L	AUTO	X	4	5	MA	6	X	HI	OK			OK
244:21:40:14:257	40:54:507	0:40:250	28394-7	S	AUTO	X	4	5	MA	6	X	HI	OK			OK
244:21:40:56: 7	41: 1:257	0: 5:250	28394-8	L	AUTO	X	4	5	MA	6	X	HI	OK			OK
244:21:41: 4:757	43:44:757	2:40: G	28395-1	S	AUTO	X	4	5	MA	6	X	HI	OK			OK
244:21:43:46:507	44: 6:507	0:20: C	28395-2	L	AUTO	X	4	5	MA	6	X	HI	OK			OK
244:21:49: 7:283	49: 7:783	0: 0:500	28395-3	L	AUTO	X	X	5	ML	6	X	HI	OK			OK
244:21:49: 9:367	49:12: 33	0: 2:666	28395-4	S	AUTO	X	X	5	ML	6	X	HI	OK			OK
244:21:49:13:700	49:15:117	0: 1:417	28395-5	L	AUTO	X	X	5	ML	6	X	HI	OK			OK
244:21:49:16:782	49:26:949	0:10:167	28395-6	S	AUTO	X	4	5	ML	6	X	HI	OK			OK
244:21:49:28:532	49:33:699	0: 5:167	28395-7	L	AUTO	X	4	5	ML	6	X	HI	OK			OK
244:21:49:35:365	50:15:529	0:40:164	28395-8	S	AUTO	X	4	5	ML	6	X	HI	OK			OK

SC82B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 119

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(U)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)					
2B393-5	-2685.10	-765.00	350.00				.0	26.25	55.00	1516.00	2280.40	440.90	132.80	1591				
2B393-6	-2685.10	-765.00	350.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1516.00	2280.40	440.90	132.80	1591		
2B393-7	-2685.10	-765.00	350.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1516.00	2280.40	440.90	132.80	1591		
2B393-8	-2685.10	-765.00	350.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1515.80	2472.90	439.60	6.80	1591		
2B394-1	-2685.10	-765.00	350.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1515.80	2472.90	439.60	6.80	1591		
2B394-2	-2684.80	-765.00	350.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1515.00	3345.40	432.90	-813.80	1591		
2B394-3	-4244.00	-468.80	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1514.50	3871.80	425.80	-1496.30	1591		
2B394-4	-4244.00	-468.80	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1514.50	3871.80	425.80	-1496.30	1591		
2B394-5	-4244.00	-467.50	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1514.50	3871.80	425.80	-1496.30	1591		
2B394-6	-4244.00	-467.50	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1514.50	3828.10	425.20	-1438.00	1591		
2B394-7	-4244.00	-467.50	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1514.50	3828.10	425.20	-1438.00	1591		
2B394-8	-4244.00	-467.50	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1514.50	3828.10	425.20	-1438.00	1591		
2B395-1	-4244.00	-467.50	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1514.50	3754.50	424.80	-1340.10	1591		
2B395-2	-4244.00	-467.50	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1514.40	3532.90	424.30	-1057.40	1591		
2B395-3	-4244.00	-467.50	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1513.80	2528.90	425.80	-59.50	1591		
2B395-4	-4244.00	-467.50	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1513.80	2528.90	425.80	-59.50	1591		
2B395-5	-4244.00	-467.50	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1513.80	2528.90	425.80	-59.50	1591		
2B395-6	-4244.00	-467.50	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1513.80	2528.90	425.80	-59.50	1591		
2B395-7	-4244.00	-467.50	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1513.80	2528.90	425.80	-59.50	1591		
2B395-8	-4244.00	-467.50	305.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1513.80	2528.90	425.80	-59.50	1591		

SC82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 120

SHUTTER		FRAME COUNT	-WVL-	STATE MODE		UP EXP						TEMP	
OPEN	CLOSE	EXPOSURE TIME	-G#	(F)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(H)	(I)	(J)	(L)	(M)	(N)	(O)	(P)
244:21:50:19: 29	50:39: 28	0:19:999	28396-1	L	AUTO	X	4	5	ML	6	X	H1	OK
244:21:50:40:695	53:20:857	2:40:162	28396-2	S	AUTO	X	4	5	ML	6	X	H1	OK
244:21:55:16:438	55:21:105	0: 2:667	28396-3	S	AUTO	X	X	5	ML	6	X	H1	OK
244:21:55:22:771	55:23:271	0: 0:500	28396-4	L	AUTO	X	X	5	ML	6	X	H1	OK
244:21:55:24:854	55:35: 20	0:10:166	28396-5	S	AUTO	X	X	5	ML	6	X	H1	OK
244:21:55:36:688	55:38:164	0: 1:416	28396-6	L	AUTO	X	X	5	ML	6	X	H1	OK
244:21:55:39:770	56:19:931	0:47:161	28396-7	S	AUTO	X	4	5	ML	6	X	H1	OK
244:21:56:21:598	56:26:681	0: 5: 83	28396-8	L	AUTO	X	4	5	ML	6	X	H1	OK
244:21:56:30:181	59:10:341	2:40:160	28397-1	S	AUTO	X	4	5	ML	6	X	H1	OK
244:21:59:12: 6	59:32: 6	0:20: 0	28397-2	L	AUTO	X	4	5	ML	6	X	H1	OK
244:23:15:27:257	15:27:757	0: 0:500	28397-3	L	AUTO	X	X	5	MA	6	X	H1	OK
244:23:15:29:507	15:32: 7	0: 2:500	28397-4	S	AUTO	X	4	5	MA	6	X	H1	OK
244:23:15:33:757	15:35:257	0: 1:500	28397-5	L	AUTO	X	4	5	MA	6	X	H1	OK
244:23:15:36:757	15:47: 7	0:10:250	28397-6	S	AUTO	X	4	5	MA	6	X	H1	OK
244:23:15:48:757	15:53:757	0: 5: 0	28397-7	L	AUTO	X	4	5	MA	6	X	H1	OK
244:23:15:55:507	16:35:507	0:40: 0	28397-8	S	AUTO	X	4	5	MA	6	X	H1	OK
244:23:16:39:257	16:59:257	0:20: 0	28398-1	L	AUTO	X	4	5	MA	6	X	H1	OK
244:23:17: 0:757	19:41: 7	2:40:250	28398-2	S	AUTO	X	X	5	MA	6	X	H1	OK
245: 0:34:54:570	39:54:256	4:59:688	28398-3	S	MAN	2	4	5	G3	6	X	H1	OK
245: 0:45:15:758	45:18:258	0: 2:500	28398-4	S	AUTO	X	4	5	ML	6	X	H1	OK

5082B-EDR

INSTRUMENT OPERATION

5-22-75 AT 2 HOURS 55 MINS 48 SECS

PAGE 2- 120

FRAME COUNT (ARCMINS)	EPC POINT			MAX PT EXC			LIMB OFF (ARCSEC)	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
								(ARCSEC)										
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		-BETA- OPEN	-Z- OPEN							
2B396-1	-4244.00	-467.50	305.00				.0	26.25	55.00	1513.60	2336.40	426.40	73.00 1591					
2B396-2	-4244.00	-467.50	305.00	.00	.00	.00	.0	26.25	55.00	1513.60	2336.40	426.40	73.00 1591					
2B396-3	-4244.00	-467.50	305.00	.00	.00	.00	.0	26.25	55.00	1512.50	1329.90	430.40	427.50 1592					
2B396-4	-4244.00	-467.50	305.00	.00	.00	.00	.0	26.25	55.00	1512.50	1329.90	430.40	427.50 1592					
2B396-5	-4244.00	-467.50	305.00	.00	.00	.00	.0	26.25	55.00	1512.50	1329.90	430.40	427.50 1592					
2B396-6	-4244.00	-467.50	305.00	.00	.00	.00	.0	26.25	55.00	1512.50	1329.90	430.40	427.50 1592					
2B396-7	-4244.00	-467.50	305.00	.00	.00	.00	.0	26.25	55.00	1512.50	1329.90	430.40	427.50 1592					
2B396-8	-4244.00	-467.50	305.00	.00	.00	.00	.0	26.25	55.00	1512.20	1048.60	431.30	421.80 1592					
2B397-1	-4244.00	-467.50	305.00	.00	.00	.00	.0	26.25	55.00	1512.20	1018.90	431.30	418.50 1592					
2B397-2	-4244.00	-467.50	305.00	.00	.00	.00	.0	26.25	55.00	1511.30	456.80	433.90	260.70 1592					
2B397-3	-5665.00	-230.00	487.50	.00	.00	.00	.0	26.25	55.00	1496.00	3693.70	424.50	260.70 1592					
2B397-4	-5665.00	-230.00	487.50	.00	.00	.00	.0	26.25	55.00	1496.00	3693.70	424.50	260.70 1592					
2B397-5	-5665.00	-230.00	487.50	.00	.00	.00	.0	26.25	55.00	1496.00	3693.70	424.50	260.70 1592					
2B397-6	-5665.00	-230.00	487.50	.00	.00	.00	.0	26.25	55.00	1496.00	3693.70	424.50	260.70 1592					
2B397-7	-5665.00	-230.00	487.50	.00	.00	.00	.0	26.25	55.00	1496.00	3693.70	424.50	260.70 1592					
2B397-8	-5665.00	-230.00	487.50	.00	.00	.00	.0	26.25	55.00	1496.00	3693.70	424.50	260.70 1592					
2B398-1	-5665.00	-230.00	487.50	.00	.00	.00	.0	26.25	55.00	1495.90	3575.00	424.30	260.70 1592					
2B398-2	-5665.00	-230.00	487.50	.00	.00	.00	.0	26.25	55.00	1495.90	3437.50	424.20	260.70 1592					
2B398-3	-4194.00	25.00	23.70	.00	.00	.00	.0	26.25	55.00	1478.80	2598.10	438.70	-86.30 1593					
2B398-4	-4034.00	-583.70	620.00	.00	.00	.00	.0	26.25	55.00	1477.60	3917.50	426.00	-1559.30 1593					

SCH28-EDB  
INSTRUMENT OPERATION  
PAGE 1 - 121

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP					
OPEN	CLOSE	EXPOSURE TIME	-G-		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	OP	CL
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)			
245: 0:45:20: 8	45:20:508	0: 0:500	28398-5	L	AUTO	X	4	5	ML	6	X	HI	OK				OK	
245: 0:45:22:258	45:32:258	0:10: 0	28398-6	S	AUTO	X	4	5	ML	6	X	HI	OK				OK	
245: 0:45:34: 8	45:35:506	0: 1:500	28398-7	L	AUTO	X	4	5	ML	6	X	HI	OK				OK	
245: 0:45:37: 8	46:17:258	0:40:250	28398-8	S	AUTO	X	4	5	ML	6	X	HI	OK				OK	
245: 0:46:20:758	46:25:756	0: 5: 0	28399-1	L	AUTO	X	4	5	ML	6	X	HI	OK				OK	
245: 0:46:27:508	49: 7:533	2:40: 25	28399-2	S	AUTO	X	4	5	ML	6	A	HI	OK				OK	
245: 0:49: 9:198	49:29:281	0:20: 83	28399-3	L	AUTO	X	4	5	ML	6	X	HI	OK				OK	
245: 0:51: 4:775	51: 7:441	0: 2:666	28399-4	S	AUTO	X	X	5	ML	6	X	HI	OK				OK	
245: 0:51: 9:191	51: 9:691	0: 0:500	28399-5	L	AUTO	X	X	5	ML	6	X	HI	OK				OK	
245: 0:51:11:274	51:21:508	0:10:234	28399-6	S	AUTO	X	X	5	ML	6	X	HI	OK				OK	
245: 0:51:23:107	51:24:191	0: 1: 84	28399-7	L	AUTO	X	X	5	ML	6	X	HI	OK				OK	
245: 1: 0:14:248	10:14:258	10: 0: 10	28399-8	L	MAN	2	4	5	MA	6	X	HI	OK				OK	
245: 2:19:47: 8	22:26: 8	2:39: 0	28400-1	S	MAN	X	X	5	ML	6	X	HI	OK				OK	
245: 2:24: 3: 8	26:42: 5	2:38:997	28400-2	S	MAN	X	X	5	ML	6	X	HI	OK				OK	
245: 2:27:35:252	30:14:994	2:39:742	28400-3	S	MAN	X	X	5	ML	6	X	HI	OK				OK	
245: 2:36:17: 8	38:56: 8	2:39: 0	28400-4	S	MAN	X	X	5	GS	6	X	HI	OK				OK	
245: 2:41:42: 48	42:21:961	0:39:913	28400-5	S	MAN	X	4	5	ML	6	X	HI	OK				OK	
245: 4: 3:57:758	4:16:758	0:19: 0	28400-6	S	MAN	X	X	5	ML	6	X	HI	OK				OK	
245:12:47: 8:556	47:11:308	0: 2:750	28400-7	S	AUTO	X	X	5	ML	6	X	HI	OK				OK	
245:12:47:13: 58	47:13:556	0: 0:500	28400-8	L	AUTO	X	X	5	ML	6	X	HI	OK				OK	

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 121

FRAME COUNT	EPC POINT				MAX PT EXC		LIMB OFF	NRL BIAS		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.	
	(ARCMINS)		(ARCSEC)		(ARCMINS)	(ARCSEC)		(ARCSEC)	(ARCSEC)					
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1					
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)	
2B398-5	-4034.00	-583.70	620.00				.0	26.25	55.00	1477.60	3917.50	426.00	-1559.30	1593
2B398-6	-4034.00	-583.70	620.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	426.00	-1559.30	1593
2B398-7	-4034.00	-583.70	620.00	.00	.00	.00	.0	26.25	55.00	1477.60	3917.50	426.00	-1559.30	1593
2B398-8	-4034.00	-583.70	620.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	426.00	-1559.30	1593
2B399-1	-4034.00	-583.70	620.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	425.40	-1517.80	1593
2B399-2	-4034.00	-583.70	620.00	.00	.00	.00	.0	26.25	55.00	1477.60	3886.50	425.40	-1517.80	1593
2B399-3	-4034.00	-583.70	620.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	424.30	-1162.10	1593
2B399-4	-4034.00	-576.20	620.00	.00	.00	.00	.0	26.25	55.00	1477.40	3330.60	424.20	-817.50	1593
2B399-5	-4034.00	-576.20	620.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	424.20	-817.50	1593
2B399-6	-4034.00	-576.20	620.00	.00	.00	.00	.0	26.25	55.00	1477.40	3330.60	424.20	-817.50	1593
2B399-7	-4034.00	-576.20	620.00	.00	.00	.00	.0	26.25	55.00	1477.40	3330.60	424.20	-817.50	1593
2B399-8	-4183.00	25.00	25.00	.00	.00	.00	.0	26.25	55.00	1476.00	1630.40	429.20	382.50	1593
2B400-1	-5983.00	-208.70	478.70	.00	.00	.00	.0	26.25	55.00	1459.20	3913.90	425.40	-1555.60	1594
2B400-2	-5983.00	-201.20	476.70	.00	.00	.00	.0	26.25	55.00	1459.00	3376.00	424.20	-869.70	1594
2B400-3	-5983.00	-193.70	478.70	.00	.00	.00	.0	26.25	55.00	1458.70	2860.60	425.00	-333.70	1594
2B400-4	-5983.00	-200.00	668.70	.00	.00	.00	.0	26.25	55.00	1456.80	996.00	431.70	415.80	1594
2B400-5	-5983.00	-181.20	655.00	.00	.00	.00	.0	26.25	55.00	1455.10	-144.40	435.70	95.00	1594
2B400-6	-1420.00	-808.70	26.70	.00	.00	.00	.0	26.25	55.00	1439.80	2332.70	426.60	75.60	1595
2B400-7	-4066.00	-577.50	567.50	.00	.00	.00	.0	26.25	55.00	1334.60	43.40	450.00	30.30	1600
2B400-8	-4066.00	-577.50	567.50	.00	.00	.00	.0	26.25	55.00	1334.60	59.40	450.00	41.10	1600

SQ82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1- 122

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP			
OPEN	CLOSE	EXPOSURE TIME	-G-		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	
245:12:47:17: 58	47:27: 58	E:1E: 0	28401-1	S		AUTO	X	X	5	ML	6	X	H1	OK		OK
245:12:47:26:808	47:3E:306	E: 1:500	28401-2	L		AUTO	X	X	5	MA	6	X	H1	OK		OK
245:12:47:31:808	48:12: 58	E:4E:250	28401-3	S		AUTO	X	4	5	MA	6	X	H1	OK		OK
245:12:48:13:558	48:18:806	E: 5:250	28401-4	L		AUTO	X	4	5	ML	6	X	H1	OK		OK
245:12:48:20:558	50:20:911	2:39:851	28401-5	S		AUTO	X	4	5	ML	6	A	H1	OK		OK
245:12:51: 2: 76			28401-6	L		AUTO	X	4	5	MA	6	X	H1	OK		OK
245:13: 3: E:210	51:22:156	E:2E: 82	28401-7	S		MAN	X	X	5	ML	6	X	H1	OK		OK
245:13:14: 5:806	3:27:542	E:19:332	28401-8	S		MAN	2	4	5	G3	6	X	H1	OK		OK
245:13:15:54:558	15: 5:558	E:59:750	28402-1	S		MAN	2	4	5	G3	6	X	H1	OK		OK
245:16:22:27:558	20:53:558	4:59: 0	28402-2	S		AUTO	X	X	5	MA	6	X	H1	OK		OK
245:16:22:31:896	22:3E:230	E: 2:672	28402-3	L		AUTO	X	X	5	MA	6	X	H1	OK		OK
245:16:22:34: 63	22:32:1396	E: E:500	28402-4	S		AUTO	X	X	5	MA	6	X	H1	OK		OK
245:16:22:45:808	22:44:308	E:10:245	28402-5	L		AUTO	X	X	5	MA	6	X	H1	OK		OK
245:16:22:46:979	22:47:312	E: 1:504	28402-6	S		AUTO	X	4	5	MA	6	X	H1	OK		OK
245:16:23:30:725	23:29: 58	E:4E: 79	28402-7	L		AUTO	X	4	5	MA	6	X	H1	OK		OK
245:16:23:37:475	23:35:809	E: 5: 84	28402-8	S		AUTO	X	4	5	MA	6	X	H1	OK		OK
245:16:26:21:130	26:17:631	2:40:156	28403-1	L		AUTO	X	4	5	MA	6	X	H1	OK		OK
245:16:34:14:773	34:15:273	E: E:500	28403-2	L		AUTO	X	4	5		6	X	H1	OK		OK
245:16:34:16:939	34:19:606	E: 2:667	28403-3	S		AUTO	X	4	5		6	X	H1	OK		OK
245:16:34:21:273	34:22:606	E: 1:333	28403-4	L		AUTO	X	4	5		6	X	H1	OK		OK

DATE 052275

PAGE 330

S082B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 122

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		NRL BIAS		ANGLE		ALTITUDE	Z(M)	ORBIT NO.			
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCSEC)	(ARCSEC)	(ARCMINS)	(KM)	(KM)					
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)		
28401-1	-4066.00	-577.50	567.50			.0		26.25	55.00	1334.60	73.60	450.00	50.70	1600		
28401-2	-4066.00	-577.50	567.50		.00	.00	.00	26.25	55.00	26.25	55.00	1334.60	115.30	450.00	78.20	1600
28401-3	-4066.00	-577.50	567.50		.00	.00	.00	26.25	55.00	26.25	55.00	1334.60	126.00	450.00	85.00	1600
28401-4	-4066.00	-577.50	567.50		.00	.00	.00	26.25	55.00	26.25	55.00	1334.30	274.30	449.70	174.00	1600
28401-5	-4066.00	-577.50	567.50		.00	.00	.00	26.25	55.00	26.25	55.00	1334.30	299.20	449.70	187.70	1600
28401-6	-4066.00	-577.50	567.50		.00	.00	.00	26.25	55.00	26.25	55.00	1333.20	871.90	448.00	406.30	1601
28401-7	-4066.00	-577.50	567.50		.00	.00	.00	26.25	55.00	26.25	55.00	1330.20	3282.80	433.70	-741.40	1601
28401-8	-4192.00	23.70	23.70		.00	.00	.00	26.25	55.00	26.25	55.00	1329.50	3821.40	424.30	-1431.30	1601
28402-1	-4192.00	23.70	23.70		.00	.00	.00	26.25	55.00	26.25	55.00	1329.40	3688.60	424.20	-1254.90	1601
28402-2	-4143.00	-431.20	158.70		.00	.00	.00	26.25	55.00	26.25	55.00	1292.50	3628.30	423.80	-1178.10	1603
28402-3	-4143.00	-431.20	158.70		.00	.00	.00	26.25	55.00	26.25	55.00	1292.50	3628.30	423.80	-1178.10	1603
28402-4	-4143.00	-431.20	158.70		.00	.00	.00	26.25	55.00	26.25	55.00	1292.50	3628.30	423.80	-1178.10	1603
28402-5	-4143.00	-431.20	158.70		.00	.00	.00	26.25	55.00	26.25	55.00	1292.50	3628.30	423.80	-1178.10	1603
28402-6	-4143.00	-431.20	158.70		.00	.00	.00	26.25	55.00	26.25	55.00	1292.50	3628.30	423.80	-1178.10	1603
28402-7	-4143.00	-431.20	158.70		.00	.00	.00	26.25	55.00	26.25	55.00	1292.40	3465.90	423.90	-976.60	1603
28402-8	-4143.00	-431.20	158.70		.00	.00	.00	26.25	55.00	26.25	55.00	1292.40	3465.90	423.90	-976.60	1603
28403-1	-4143.00	-431.20	158.70		.00	.00	.00	26.25	55.00	26.25	55.00	1292.10	2917.30	424.90	-386.20	1603
28403-2	-4143.00	-431.20	158.70		.00	.00	.00	26.25	55.00	26.25	55.00	1290.40	1214.30	431.00	430.90	1603
28403-3	-4143.00	-431.20	158.70		.00	.00	.00	26.25	55.00	26.25	55.00	1290.40	1206.60	431.00	430.90	1603
28403-4	-4143.00	-431.20	158.70		.00	.00	.00	26.25	55.00	26.25	55.00	1290.40	1191.20	431.00	430.60	1603

DATE 052275

PAGE 331

50826-EDB

INSTRUMENT OPERATION  
PAGE 1 - 123

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER			FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
			EXPOSURE	-G-												
OPEN	CLOSE	TIME			(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	28403-5	S		AUTO	X	4	5		6	X	H1	OK	
245:16:34:24:272	34:34:439	0:10:167														OK
245:16:34:36:105	34:41:272	0: 5:167	28403-6	L			AUTO	X	4	5		6	X	H1	OK	OK
245:16:34:42:972	35:22:972	0:40: C	28403-7	S			AUTO	X	4	5	MA		X	H1	OK	OK
245:16:35:24:688	35:44:770	0:20: 82	28403-8	L			AUTO	X	4	5	MA		X	H1	OK	OK
245:16:35:48:270	38:27:270	2:39: C	28404-1	S			AUTO	X	X	5	ML		X	H1	OK	OK
245:19: 4:36:307	4:39: 57	0: 2:750	28404-2	S			AUTO	X	X	5	ML	6	X	H1	OK	OK
245:19: 4:40:557	4:41: 57	0: 0:500	28404-3	L			AUTO	X	X	5	ML	6	X	H1	OK	OK
245:19: 4:42:807	4:52:807	0:10: 0	28404-4	S			AUTO	X	X	5	ML	6	X	H1	OK	OK
245:19: 4:54:557	4:56: 57	0: 1:500	28404-5	L			AUTO	X	X	5	ML	6	X	H1	OK	OK
245:19: 4:57:557	5:37:807	0:40:250	28404-6	S			AUTO	X	4	5	ML	6	X	H1	OK	OK
245:19: 5:39:557	5:44:557	0: 5: 0	28404-7	L			AUTO	X	4	5	ML	6	X	H1	OK	OK
245:19: 5:46:307	8:26:307	2:40: 0	28404-8	S			AUTO	X	4	5	ML	6	A	H1	OK	OK
245:19: 6:29:807	8:50: 57	0:20:250	28405-1	L			AUTO	X	4	5	ML	6	X	H1	OK	OK
245:19:10:47:557	11: 6:807	0:19:250	28405-2	S			MAN	X	4	5	ML	6	X	H1	OK	OK
245:19:19: 1:807	19:10:807	0: 9: 0	28405-3	S			MAN	X	X	5	MA	6	X	H1	OK	OK
245:19:23:20: 57	23:39:807	0:19:750	28405-4	S			MAN	X	X	5	MA	6	X	H1	OK	OK
245:19:43:15:307	43:24:557	0: 9:250	28405-5	S			MAN	X	X	5	ML	6	X	H1	OK	OK
245:20:38:14:557	45:15:557	2: 1: 0	28405-6	S	BORE	MAN	X	X	5	ML	6	X	H1	OK	OK	
245:20:43:14: 57	45:13:557	1:59:500	28405-7	S	BORE	MAN	X	X	5	ML	6	X	H1	OK	OK	
245:20:53:52:807	55:52:557	1:59:750	28405-8	S	BORE	MAN	X	X	5	G3	6	X	H1	OK	OK	

DATE 052275

PAGE 332

5082B-EDB  
INSTRUMENT OPERATION  
PAGE 2 - 123

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT				MAX PT EXC		LIMB OFF	NRL BIAS		ANGLE		ALTITUDE	Z(M)	ORBIT NO.
	(ARCMINS)		(ARCSEC)		(ARCMINS)	(ARCSEC)		(ARCSEC)	(ARCSEC)	(ARCMINS)	(KM)	(KM)		
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1	-BETA-	-Z-			
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)
28403-5	-4143.00	-431.20	158.70				.0	26.25	55.00	1290.40	1180.50	431.00	430.30	1603
28403-6	-4143.00	-431.20	158.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	431.00	428.60	1603
28403-7	-4143.00	-431.20	158.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	431.00	412.50	1603
28403-8	-4143.00	-431.20	158.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	431.00	411.50	1603
28404-1	-4143.00	-431.20	158.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	432.80	188.50	1603
28404-2	-6811.00	-40.00	798.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	447.80	413.50	1604
28404-3	-6811.00	-40.00	798.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	447.80	413.50	1604
28404-4	-6811.00	-40.00	798.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	447.80	413.50	1604
28404-5	-6811.00	-40.00	798.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	447.80	413.50	1604
28404-6	-6811.00	-40.00	798.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	447.80	413.50	1604
28404-7	-6811.00	-40.00	798.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	446.90	442.10	1604
28404-8	-6811.00	-40.00	798.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	446.90	442.10	1604
28405-1	-6811.00	-40.00	798.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	443.70	368.50	1604
28405-2	-6811.00	-40.00	798.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	441.20	191.90	1604
28405-3	-6811.00	-40.00	798.70	.00	.00	.00	.00	26.25	55.00	1257.70	1757.00	429.30	436.80	1604
28405-4	-6811.00	-40.00	798.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1255.50	4142.90	425.60
28405-5	-2193.00	-396.20	-102.50	.00	.00	.00	.00	26.25	55.00	26.25	55.00	433.40	356.80	1605
28405-6	-6343.00	17.50	1042.50	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1240.00	1078.90	447.20
28405-7	-6343.00	31.30	1042.50	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1238.50	2137.80	441.70
28405-8	-3254.00	-371.20	11.20	.00	.00	.00	.00	26.25	55.00	26.25	55.00	1237.00	3950.80	428.70

DATE 052275

PAGE 333

5082B-EDB

INSTRUMENT OPERATION  
PAGE 1 - 124

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								OP CL			
			EXPOSURE	-G-												
OPEN	CLOSE	TIME		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	
245:21:6:30:252	6:49:251	0:18:999	28406-1	S	BORE	MAN	X	X	5	ML	6	X	H1	OK	OK	
246:1:20:57:808	25:56:521	4:58:713	28406-2	S		MAN	2	4	5	G3	6	X	H1	OK	OK	
246:1:27:23:267	37:18:808	9:55:541	28406-3	S		MAN	X	4	5	G3	6	X	H1	OK	OK	
246:13:48:40:746	48:43:330	0: 2:584	28406-4	S		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:13:48:44:996	48:45:496	0: 0:500	28406-5	L		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:13:48:47: 79	48:57:245	0:10:166	28406-6	S		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:13:48:58:912	49: 0:329	0: 1:417	28406-7	L		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:13:49: 1:995	49:42:160	0:40:165	28406-8	S		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:13:49:45:577	49:50:743	0: 5:166	28407-1	L		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:13:49:52:410	52:32:489	2:40: 79	28407-2	S		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:13:52:34:156	52:54:236	0:20: 82	28407-3	L		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:13:55:24:399	55:24:699	0: 0:500	28407-4	L		AUTO	X	4	5	G3	6	X	H1	OK	OK	
246:13:55:26:733	55:29:316	0: 2:583	28407-5	S		AUTO	X	4	5		6	X	H1	OK	OK	
246:13:55:30:982	55:32:399	0: 1:417	28407-6	L		AUTO	X	4	5	GS	6	X	H1	OK	OK	
246:13:55:34:158	55:44:398	0:10:240	28407-7	S		AUTO	X	4	5	GS	6	X	H1	OK	OK	
246:13:55:46: 65	55:51:146	0: 5: 83	28407-8	L		AUTO	X	4	5	GS	6	X	H1	OK	OK	
246:13:55:54:730	56:34:695	0:40:165	28408-1	S		AUTO	X	4	5	GS	6	X	H1	OK	OK	
246:13:56:36:561	56:56:644	0:20: 83	28408-2	L		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:13:56:56:227	59:38:383	2:40:156	28408-3	S		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:14:13:48:595	13:51:261	0: 2:666	28408-4	S		AUTO	X	4	5	MA	6	X	H1	OK	OK	

DATE 052275

PAGE 334

SC628-EDB

INSTRUMENT OPERATION

5-22-75 AT 2 HOURS 55 MINS 48 SECS

PAGE 2- 124

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE	ALTITUDE	Z(M)	ORBIT NO.	
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)		GXB1	GYB1	(ARCMINS)	(KM)	(KM)		
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	-BETA- OPEN	-Z- OPEN	(AA)	(BB)	(CC)
2B406-1	-5166.00	-367.50	666.20				.0	26.25	55.00	1236.20	2868.20	425.40	339.60	1605
2B406-2	-4169.00	23.70	25.00		.00	.00	.00	26.25	55.00	1183.40	1595.80	444.70	409.80	1608
2B406-3	-4169.00	23.70	25.00		.00	.00	.00	26.25	55.00	1181.70	3047.40	435.50	-489.00	1608
2B406-4	-1128.80	-443.70	427.50		.00	.00	.00	26.25	55.00	1033.50	2129.00	441.20	216.30	1616
2B406-5	-1128.80	-443.70	427.50		.00	.00	.00	26.25	55.00	1033.50	2129.00	441.20	216.30	1616
2B406-6	-1128.80	-443.70	427.50		.00	.00	.00	26.25	55.00	1033.50	2129.00	441.20	216.30	1616
2B406-7	-1128.80	-443.70	427.50		.00	.00	.00	26.25	55.00	1033.50	2129.00	441.20	216.30	1616
2B406-8	-1128.80	-443.70	427.50		.00	.00	.00	26.25	55.00	1033.30	2343.70	439.90	92.50	1616
2B407-1	-1128.80	-443.70	427.50		.66	.00	.00	26.25	55.00	1033.30	2343.70	439.90	92.50	1616
2B407-2	-1128.80	-443.70	427.50		.00	.00	.00	26.25	55.00	1033.30	2343.70	439.90	92.50	1616
2B407-3	-1128.80	-443.70	427.50		.00	.00	.00	26.25	55.00	1032.70	2975.60	435.70	-418.30	1616
2B407-4	-1128.80	-426.20	306.20		.00	.00	.00	26.25	55.00	1032.30	3572.10	431.60	-1088.00	1616
2B407-5	-1128.80	-426.20	306.20		.00	.00	.00	26.25	55.00	1032.30	3572.10	431.60	-1088.00	1616
2B407-6	-1128.80	-426.20	306.20		.00	.00	.00	26.25	55.00	1032.30	3572.10	431.60	-1088.00	1616
2B407-7	-1128.80	-426.20	306.20		.00	.00	.00	26.25	55.00	1032.30	3572.10	431.60	-1088.00	1616
2B407-8	-1128.80	-426.20	306.20		.00	.00	.00	26.25	55.00	1032.30	3572.10	431.60	-1088.00	1616
2B408-1	-1128.80	-426.20	306.20		.00	.00	.00	26.25	55.00	1032.30	3572.10	431.60	-1088.00	1616
2B408-2	-1128.80	-426.20	306.20		.00	.00	.00	26.25	55.00	1032.20	3755.80	430.30	-1327.70	1616
2B408-3	-1128.80	-426.20	306.20		.00	.00	.00	26.25	55.00	1032.20	3755.80	430.30	-1327.70	1616
2B408-4	3517.60	-343.60	-343.80		.00	.00	.00	26.25	55.00	1030.80	2584.30	426.40	-99.70	1616

DATE 052275

PAGE 335

S062B-EUB  
 INSTRUMENT OPERATION  
 PAGE 1- 125

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP			
OPEN	CLOSE	TIME	-G+		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	
246:14:13:52:929	13:53:429	C: 0:500	28408-5	L		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:14:13:55: 96	14: 5:261	C:10:165	28408-6	S		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:14:14: 6:928	14: 6:344	C: 1:416	28408-7	L		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:14:14: 9:927	14:42:259	C:32:332	28408-8	S		AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:14:21:55:908	22:35:158	C:39:250	28409-1	S		MAN	X	X	5	MA	6	X	H1	OK	OK	
246:14:23:46:408	23:48:658	C: 2:250	28409-2	S		MAN	X	X	5	MA	6	X	H1	OK	OK	
246:16:52:29:658	52:32:408	C: 2:750	28409-3	S		AUTO	X	X	5	GS	6	X	H1	OK	OK	
246:16:52:34:158	52:34:658	C: 0:500	28409-4	L		AUTO	X	X	5	GS	6	X	H1	OK	OK	
246:16:52:36:158	52:46:408	C:10:250	28409-5	S		AUTO	X	X	5	GS	6	X	H1	OK	OK	
246:16:52:48:158	52:49:408	C: 1:250	28409-6	L		AUTO	X	X	5	GS	6	X	H1	OK	OK	
246:16:52:51:158	53:23:908	C:32:750	28409-7	S		AUTO	X	X	5	GS	6	X	H1	OK	OK	
246:17: 0:39:158	C:41:908	C: 2:750	28409-8	S		AUTO	X	4	5	GS	6	X	H1	OK	OK	
246:17: C:45:408	C:45:908	C: 0:500	28410-1	L		AUTO	X	4	5	GS	6	X	H1	OK	OK	
246:17: C:47:658	C:57:658	C:10: 0	28410-2	S		AUTO	X	4	5	GS	6	X	H1	OK	OK	
246:17: 0:59:408	1: C:908	C: 1:500	28410-3	L		AUTO	X	4	5	GS	6	X	H1	OK	OK	
246:17: 1: 2:408	1:32:908	C:32:500	28410-4	S		AUTO	X	4	5	GS	6	X	H1	OK	OK	
246:17: 9: 3:658	9: 6:408	C: 2:750	28410-5	S		AUTO	X	X	5	GS	6	X	H1	OK	OK	
246:17: 9: 6:158	9: 8:658	C: 0:500	28410-6	L		AUTO	X	X	5	GS	6	X	H1	OK	OK	
246:17: 9:10:158	9:20:408	C:10:250	28410-7	S		AUTO	X	X	5	GS	6	X	H1	OK	OK	
246:17: 9:22:158	9:23:408	C: 1:250	28410-8	L		AUTO	X	X	5	GS	6	X	H1	OK	OK	

SG82B-EUB

INSTRUMENT OPERATION  
PAGE 2- 125

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	(KM)	(KM)		
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)
28408-5	3517.60	-343.80	-343.80				.0		26.25	55.00	1030.80	2584.30	426.40	-99.70 1616
28408-6	3517.60	-343.80	-343.80	.00	.00	.00	.0	.00	26.25	55.00	1030.80	2584.30	426.40	-99.70 1616
28408-7	3517.60	-343.80	-343.80	.00	.00	.00	.0	.00	26.25	55.00	1030.80	2370.50	427.20	52.60 1616
28408-8	3517.60	-343.80	-343.80	.00	.00	.00	.0	.00	26.25	55.00	1030.80	2370.50	427.20	52.60 1616
28409-1	3517.60	45.00	-618.70	.00	.00	.00	.0	.00	26.25	55.00	1028.70	840.60	433.10	388.80 1616
28409-2	3517.60	45.00	-618.70	.00	.00	.00	.0	.00	26.25	55.00	1028.00	398.80	434.60	234.30 1616
28409-3	-1065.20	-605.00	-136.20	.00	.00	.00	.0	.00	26.25	55.00	996.90	1612.30	444.20	405.90 1617
28409-4	-1065.20	-605.00	-136.20	.00	.00	.00	.0	.00	26.25	55.00	996.90	1612.30	444.20	405.90 1617
28409-5	-1065.20	-605.00	-136.20	.00	.00	.00	.0	.00	26.25	55.00	996.90	1612.30	444.20	405.90 1617
28409-6	-1064.60	-605.00	-136.20	.66	.00	.00	.0	.00	26.25	55.00	996.90	1612.30	444.20	405.90 1617
28409-7	-1064.60	-605.00	-136.20	.00	.00	.00	.0	.00	26.25	55.00	996.90	1612.30	444.20	405.90 1617
28409-8	-1065.20	-566.20	-146.20	.66	.00	.00	.0	.00	26.25	55.00	995.10	3314.60	433.30	-777.80 1617
28410-1	-1065.20	-566.20	-146.20	.00	.00	.00	.0	.00	26.25	55.00	995.10	3314.60	433.30	-777.80 1617
28410-2	-1064.60	-566.20	-146.20	.00	.00	.00	.0	.00	26.25	55.00	995.10	3314.60	433.30	-777.80 1617
28410-3	-1064.60	-566.20	-146.20	.00	.00	.00	.0	.00	26.25	55.00	995.10	3314.60	433.30	-777.80 1617
28410-4	-1064.60	-566.20	-146.20	.00	.00	.00	.0	.00	26.25	55.00	995.00	3512.60	432.00	-1013.40 1618
28410-5	-1763.00	-630.00	-10.00	1.32	.00	.00	.0	.00	26.25	55.00	994.50	4377.90	424.60	-2247.70 1618
28410-6	-1763.00	-630.00	-10.00	.00	.30	.00	.0	.00	26.25	55.00	994.50	4377.90	424.60	-2247.70 1618
28410-7	-1763.00	-630.00	-10.00	.00	.00	.00	.0	.00	26.25	55.00	994.50	4377.90	424.60	-2247.70 1618
28410-8	-1763.00	-630.00	-10.00	.00	.00	.00	.0	.00	26.25	55.00	994.50	4377.90	424.60	-2247.70 1618

DATE 052275

PAGE 337

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 126

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)				OP EXP				TEMP			
OPEN	CLOSE	TIME	-G-	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
246:17: 9:26:908	9:58:908	0:32: C	28411-1	S		AUTO	X	X	5	GS	6	X	H1	OK	OK
246:18:56:26:374	1:45:359	5:18:985	28411-2	S		MAN	X	X	5	MA	6	X	H1	OK	OK
246:20: 1:13:658	1:16:158	0: 2:500	28411-3	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20: 1:17:908	1:18:498	0: 0:500	28411-4	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20: 1:19:908	1:30:158	0:10:250	28411-5	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20: 1:31:908	1:33:498	0: 1:500	28411-6	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20: 1:34:908	2: 7:158	0:32:250	28411-7	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20:10:17:908	10:20:658	0: 2:750	28411-8	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20:10:24:158	10:24:658	0: 0:500	28412-1	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20:10:26:158	10:36:498	0:10:250	28412-2	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20:10:36:158	10:39:498	0: 1:250	28412-3	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20:10:41:158	11:11:158	0:30: 0	28412-4	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20:17:13:658	17:16:498	0: 2:750	28412-5	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20:17:17:908	17:18:498	0: 0:500	28412-6	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20:17:2C:158	17:30:498	0:10:250	28412-7	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20:17:31:908	17:33:498	0: 1:500	28412-8	L		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20:17:36:908	18: 7:158	0:30:250	28413-1	S		AUTO	X	4	5	GS	6	X	H1	OK	OK
246:20:24:46:498	24:51:158	0: 2:750	28413-2	S		AUTO	X	X	5	MA	6	X	H1	OK	OK
246:20:24:52:908	24:53:498	0: 0:500	28413-3	L		AUTO	X	X	5	MA	6	X	H1	OK	OK
246:20:24:55:158	25: 5:124	0: 9:966	28413-4	S		AUTO	X	X	5	MA	6	X	H1	OK	OK

5082B-EDB  
INSTRUMENT OPERATION  
PAGE 2 - 126

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		NRL BIAS		ANGLE		ALTITUDE	Z(M)	ORBIT NO.	
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCSEC)	(ARCSEC)	(ARCMINS)	(KM)	(KM)	(KM)		
(D)	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-				
(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(OPEN)	(OPEN)	(AA)	(BB)	(CC)	
2B411-1	-1763.00	-630.00	-10.00				.0	26.25	55.00	994.50	4377.90	424.60	-2247.70	1619
2B411-2	5917.30	80.00	1070.00	.00	.00	.00	.0	26.25	55.00	974.00	1864.40	429.30	312.80	1619
2B411-3	-5386.00	-372.50	61.20	.00	.00	.00	.0	26.25	55.00	958.60	2183.80	441.10	187.40	1619
2B411-4	-5386.00	-372.50	61.20	.00	.00	.00	.0	26.25	55.00	958.60	2183.80	441.10	187.40	1619
2B411-5	-5386.00	-372.50	61.20	.00	.00	.00	.0	26.25	55.00	958.60	2183.80	441.10	187.40	1619
2B411-6	-5386.00	-372.50	61.20	.00	.00	.00	.0	26.25	55.00	958.60	2183.80	441.10	187.40	1619
2B411-7	-5386.00	-372.50	61.20	.00	.00	.00	.0	26.25	55.00	958.60	2183.80	441.10	187.40	1619
2B411-8	-1345.00	-160.00	-287.50	.00	.00	.00	.0	26.25	55.00	957.20	4006.90	429.10	-1677.60	1619
2B412-1	-1345.00	-160.00	-287.50	.00	.00	.00	.0	26.25	55.00	957.20	4006.90	429.10	-1677.60	1619
2B412-2	-1345.00	-160.00	-287.50	.00	.00	.00	.0	26.25	55.00	957.20	4006.90	429.10	-1677.60	1619
2B412-3	-1345.00	-160.00	-287.50	.00	.00	.00	.0	26.25	55.00	957.20	4006.90	429.10	-1677.60	1619
2B412-4	-1345.00	-160.00	-287.50	.00	.00	.00	.0	26.25	55.00	957.20	4006.90	429.10	-1677.60	1619
2B412-5	-2952.00	-245.00	-225.00	.00	.00	.00	.0	26.25	55.00	956.90	4270.90	424.30	-2082.20	1619
2B412-6	-2952.00	-245.00	-225.00	.00	.00	.00	.0	26.25	55.00	956.90	4270.90	424.30	-2082.20	1619
2B412-7	-2952.00	-245.00	-225.00	.00	.00	.00	.0	26.25	55.00	956.90	4270.90	424.30	-2082.20	1619
2B412-8	-2952.00	-245.00	-225.00	.00	.00	.00	.0	26.25	55.00	956.90	4270.90	424.30	-2082.20	1619
2B413-1	-2952.00	-245.00	-225.00	.00	.00	.00	.0	26.25	55.00	956.90	4270.90	424.30	-2082.20	1619
2B413-2	-6433.00	-353.70	176.20	.00	.00	.00	.0	26.25	55.00	956.30	2993.80	425.70	-457.70	1619
2B413-3	-6433.00	-353.70	176.20	.00	.00	.00	.0	26.25	55.00	956.30	2993.80	425.70	-457.70	1619
2B413-4	-6433.00	-353.70	176.20	.00	.00	.00	.0	26.25	55.00	956.30	2993.80	425.70	-457.70	1619

S082B-EDB

INSTRUMENT OPERATION  
PAGE 1 - 127

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	EXPOSURE TIME	-G-	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
246:20:25: 6:9C8	25: 8:124	C: 1:216	28413-5	L	AUTO	X	X	S	MA	6	X	H1	OK	OK	
246:20:25: 9:791	25:42:121	C:32:330	28413-6	S	AUTO	X	X	S	MA	6	X	H1	OK	OK	
246:20:33: 2:183	33:22: 99	C:19:916	28413-7	S	MAN	X	X	S	GS	6	X	H1	OK	OK	
246:21:49:40:658	49:43:4C8	C: 2:75C	28413-8	S	AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:21:49:46:908	49:47:4C8	O: C:5C0	28414-1	L	AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:21:49:49:158	49:59:4C8	C:1C:25C	28414-2	S	AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:21:50: C:9C8	5C: 2:408	C: 1:5C0	28414-3	L	AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:21:50: 4:158	5C:33:908	O:29:75C	28414-4	S	AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:21:56:11: 31	56:13:699	C: 2:668	28414-5	S	AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:21:56:15:4C8	56:15:9C8	C: C:5C0	28414-6	L	AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:21:56:17:699	56:27:864	C:1C:165	28414-7	S	AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:21:56:29:531	56:30:948	C: 1:417	28414-8	L	AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:21:56:34:447	57: 4:061	C:3C:414	28415-1	S	AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:22: 8: 3:665	8: 6:331	C: 2:666	28415-2	S	AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:22: 8: 7:998	8: 8:498	C: C:5C0	28415-3	L	AUTO	X	4	5	GS	6	X	H1	OK	OK	
246:22: 8:1C: 81	8:20:247	O:1C:166	28415-4	S	AUTO	X	4	5	GS	6	X	H1	OK	OK	
246:22: 8:21:997	8:23:414	O: 1:417	28415-5	L	AUTO	X	4	5	GA	6	X	H1	OK	OK	
246:22: 8:24:997	8:56:628	C:31:831	28415-6	S	AUTO	X	4	5	GA	6	X	H1	OK	OK	
246:23:19:35:208	19:37:458	C: 2:75C	28415-7	S	AUTO	X	4	5	MA	6	X	H1	OK	OK	
246:23:19:39:7C8	19:4C:2C8	O: C:5C0	28415-8	L	AUTO	X	4	5	MA	6	X	H1	OK	OK	

SO82B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 127

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	----- EPC POINT -----			---- MAX PT EXC ----			LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
	(ARCMINS) (ARCSEC)			(ARCMINS) (ARCSEC)				(ARCSEC)										
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		-BETA-	-Z-							
										OPEN	OPEN							
2B413-5	-6433.00	-353.70	176.20		.00	.00	.00	26.25	55.00	956.10	2781.80	426.30	-261.10 1619					
2B413-6	-6433.00	-353.70	176.20		.66	.00	.80	26.25	55.00	956.10	2781.80	426.30	-261.10 1619					
2B413-7	-2504.00	-765.00	376.20		.00	.00	.00	26.25	55.00	954.10	1029.30	432.60	420.80 1620					
2B413-8	-1183.00	-126.20	-276.20		.00	.00	.00	26.25	55.00	26.25	55.00	938.20	4407.80 1620					
2B414-1	-1183.00	-126.20	-276.20		.00	.00	.00	26.25	55.00	26.25	55.00	938.20	4407.80 1620					
2B414-2	-1183.00	-126.20	-276.20		.00	.00	.00	26.25	55.00	26.25	55.00	938.20	4407.80 1620					
2B414-3	-1183.00	-126.20	-276.20		.00	.00	.00	26.25	55.00	26.25	55.00	938.20	4311.30 1620					
2B414-4	-1183.00	-126.20	-276.20		.00	.00	.00	26.25	55.00	26.25	55.00	938.20	4311.30 1620					
2B414-5	-1183.00	-117.50	-276.20		.00	.00	.80	26.25	55.00	26.25	55.00	937.70	3252.30 1620					
2B414-6	-1183.00	-117.50	-276.20		.00	.00	.00	26.25	55.00	26.25	55.00	937.70	3252.30 1620					
2B414-7	-1183.00	-117.50	-276.20		.00	.00	.00	26.25	55.00	26.25	55.00	937.70	3252.30 1620					
2B414-8	-1183.00	-117.50	-276.20		.00	.00	.00	26.25	55.00	26.25	55.00	937.70	3252.30 1620					
2B415-1	-1183.00	-117.50	-276.20		.00	.00	.00	26.25	55.00	26.25	55.00	937.70	3252.30 1620					
2B415-2	-1183.00	-106.20	-271.20		.00	.00	.00	26.25	55.00	26.25	55.00	934.70	631.60 1621					
2B415-3	-1183.00	-106.20	-271.20		.00	.00	.00	26.25	55.00	26.25	55.00	934.70	631.60 1621					
2B415-4	-1183.00	-106.20	-271.20		.00	.00	.00	26.25	55.00	26.25	55.00	934.70	631.60 1621					
2B415-5	-1183.00	-106.20	-271.20		.00	.00	.00	26.25	55.00	26.25	55.00	934.70	631.60 1621					
2B415-6	-1183.00	-106.20	-271.20		.00	.00	.00	26.25	55.00	26.25	55.00	934.70	631.60 1621					
2B415-7	4439.00	420.00	-18.80		.00	.00	.00	26.25	55.00	26.25	55.00	919.60	4389.70 1621					
2B415-8	4439.00	420.00	-18.80		.00	.00	.00	26.25	55.00	26.25	55.00	919.60	4389.70 1621					

DATE 052275

PAGE 341

S082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 1- 128

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE		OP EXP				TEMP				
OPEN	CLOSE	EXPOSURE TIME	-G+	(E)	(F)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
246:23:19:43:708	19:53:708	0:16: C	28416-1	S	AUTO	X	4	5	MA	6	X	H1	OK	OK
246:23:19:55:458	19:56:708	C: 1:250	28416-2	L	AUTO	X	4	5	MA	6	X	H1	OK	OK
246:23:19:56:458	20:28:456	C:30: G	28416-3	S	AUTO	X	4	5	MA	6	X	H1	OK	OK
246:23:31: 3:931	31: 6:597	C: 2:666	28416-4	S	AUTO	X	4	5	MA	6	X	H1	OK	OK
246:23:31: 8:264	31: 8:764	C: 0:500	28416-5	L	AUTO	X	4	5	MA	6	X	H1	OK	OK
246:23:31:10:347	31:20:513	C:10:166	28416-6	S	AUTO	X	4	5	MA	6	X	H1	OK	OK
246:23:31:22:180	31:23:595	C: 1:415	28416-7	L	AUTO	X	4	5	MA	6	X	H1	OK	OK
246:23:31:25:262	31:57:593	C:32:331	28416-6	S	AUTO	X	4	5	MA	6	X	H1	OK	OK
246:23:38:13:492	38:16:159	C: 2:667	28417-1	S	AUTO	X	4	5	GS	6	X	H1	OK	OK
246:23:38:17:825	38:18:325	C: 0:500	28417-2	L	AUTO	X	4	5	GS	6	X	H1	OK	OK
246:23:38:19:992	38:30:156	C:10:166	28417-3	S	AUTO	X	4	5	GS	6	X	H1	OK	OK
246:23:38:31:742	38:33:159	C: 1:417	28417-4	L	AUTO	X	4	5	GS	6	X	H1	OK	OK
246:23:38:34:825	39: 6:574	C:31:749	28417-5	S	AUTO	X	4	5	GS	6	X	H1	OK	OK
247: 0:56:39:442	56:42:275	C: 2:833	28417-6	S	AUTO	X	X	5	MA	6	X	H1	OK	OK
247: 0:56:43:775	56:44:275	C: 0:500	28417-7	L	AUTO	X	X	5	MA	6	X	H1	OK	OK
247: 0:56:45:941	56:56:107	C:10:166	28417-8	S	AUTO	X	X	5	MA	6	X	H1	OK	OK
247: 0:56:59:524	57: 0:940	C: 1:416	28418-1	L	AUTO	X	X	5	ML	6	X	H1	OK	OK
247: 0:57: 2:607	57:42:772	C:40:165	28418-2	S	AUTO	X	X	5	ML	6	X	H1	OK	OK
247: 0:57:44:437	57:49:603	C: 5:166	28418-3	L	AUTO	X	X	5	ML	6	X	H1	OK	OK
247: 0:57:51:187	C:31:342	2:40:155	28418-4	S	AUTO	X	4	5	ML	6	X	H1	OK	OK

DATE 052275

PAGE 342

SG82B-EDB

INSTRUMENT OPERATION

5-22-75 AT 2 HOURS 55 MINS 48 SECS

PAGE 2- 128

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE (ARCMIN)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.			
	(ARCSECS)			(ARCSECS)				(ARCSEC)								
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1	-BETA- OPEN	-Z- OPEN					
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)		
28416-1	4439.00	420.00	-18.80				.0	26.25	55.00	919.60	4389.70	426.50	-2260.90	1621		
28416-2	4439.00	420.00	-18.80	.00	.00	.00	.0	26.25	55.00	919.60	4389.70	426.50	-2260.90	1621		
28416-3	4439.00	420.00	-18.80	.00	.00	.00	.0	26.25	55.00	919.60	4389.70	426.50	-2260.90	1621		
28416-4	4471.00	402.50	1.30	.00	.00	.00	.0	26.25	55.00	918.70	2880.90	426.00	-350.10	1621		
28416-5	4471.00	402.50	1.30	.00	.00	.00	.0	26.25	55.00	918.70	2880.90	426.00	-350.10	1621		
28416-6	4471.00	402.50	1.30	.00	.00	.00	.0	26.25	55.00	918.70	2880.90	426.00	-350.10	1621		
28416-7	4471.00	402.50	1.30	.00	.00	.00	.0	26.25	55.00	918.70	2880.90	426.00	-350.10	1621		
28416-8	4471.00	402.50	1.30	.00	.00	.00	.0	26.25	55.00	918.70	2880.90	426.00	-350.10	1621		
28417-1	4471.00	392.50	6.30	.00	.00	.00	.0	26.25	55.00	917.10	1346.50	431.40	427.50	1621		
28417-2	4471.00	392.50	6.30	.00	.00	.00	.0	26.25	55.00	917.10	1346.50	431.40	427.50	1621		
28417-3	4471.00	392.50	6.30	.00	.00	.00	.0	26.25	55.00	917.10	1346.50	431.40	427.50	1621		
28417-4	4471.00	392.50	6.30	.00	.00	.00	.0	26.25	55.00	917.10	1346.50	431.40	427.50	1621		
28417-5	4471.00	392.50	6.30	.00	.00	.00	.0	26.25	55.00	917.10	1346.50	431.40	427.50	1621		
28417-6	5504.00	-41.20	-346.20	.00	.00	.00	.0	26.25	55.00	900.80	4389.20	424.40	-2266.10	1622		
28417-7	5504.00	-41.20	-346.20	.00	.00	.00	.0	26.25	55.00	900.80	4389.20	424.40	-2266.10	1622		
28417-8	5504.00	-41.20	-346.20	.00	.00	.00	.0	26.25	55.00	900.80	4389.20	424.40	-2266.10	1622		
28418-1	5504.00	-41.20	-346.20	.00	.00	.00	.0	26.25	55.00	900.80	4389.20	424.40	-2266.10	1622		
28418-2	5504.00	-41.20	-346.20	.00	.00	.00	.0	26.25	55.00	900.70	4266.20	424.10	-2075.40	1622		
28418-3	5504.00	-41.20	-346.20	.00	.00	.00	.0	26.25	55.00	900.70	4266.20	424.10	-2075.40	1622		
28418-4	5504.00	-41.20	-346.20	.00	.00	.00	.0	26.25	55.00	900.70	4266.20	424.10	-2075.40	1622		

DATE 052275

PAGE 343

SC82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1- 129

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	TIME	-GA	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
247: 1: 0:32:926	C:53: 8	0:20: 82	28418-5	L	AUTO	X	4	5	ML	6	X	H1	OK		OK
247: 1: 2:26:584	2:46:833	0:20:249	28418-6	S	MAN	X	X	5	ML	6	X	H1	OK		OK
247: 2:38: E:819	4:48:144	2:39:325	28418-7	S	MAN	X	X	5	MA	6	X	H1	OK		OK
247: 2:42:58:556	43:38:138	0:39:582	28418-8	S	MAN	X	X	5	MA	6	X	H1	OK		OK
247: 2:43:58:970	44: 8:221	E: 9:251	28419-1	S	MAN	X	X	5	MA	6	X	H1	OK		OK
247: 4:14:44:708	15: 3:958	C:19:250	28419-2	S	MAN	X	X	5	ML	6	X	H1	OK		OK
247:11:37: 6:124	37: 8:874	C: 2:750	28419-3	S	AUTO	X	X	5	ML	6	X	H1	OK		OK
247:11:37:10:539	37:10:956	C: E:417	28419-4	L	AUTO	X	X	5	ML	6	X	H1	OK		OK
247:11:37:12:623	37:22:789	G:10:166	28419-5	S	AUTO	X	4	5	ML	6	X	H1	OK		OK
247:11:37:24:456	37:25:872	G: 1:416	28419-6	L	AUTO	X	X	5	ML	6	X	H1	OK		OK
247:11:37:27:538	37:59:787	C:32:249	28419-7	S	AUTO	X	X	5	ML	6	X	H1	OK		OK
247:11:50:43:958	50:46:708	C: 2:750	28419-8	S	AUTO	X	4	5	GS	6	X	H1	OK		OK
247:11:50:50:208	50:50:708	G: C:500	28420-1	L	AUTO	X	4	5	GS	6	X	H1	OK		OK
247:11:50:52:208	51: 2:208	0:1C: 0	28420-2	S	AUTO	X	4	5	GS	6	X	H1	OK		OK
247:11:51: 3:958	51: 5:208	C: 1:250	28420-3	L	AUTO	X	4	5	GS	6	X	H1	OK		OK
247:11:51: 6:958	51:36:708	C:29:750	28420-4	S	AUTO	X	4	5	GS	6	X	H1	OK		OK
247:11:59:16:458	59:19:208	0: 2:750	28420-5	S	AUTO	X	X	5	MA	6	X	H1	OK		OK
247:11:59:20:958	59:21:458	C: 0:500	28420-6	L	AUTO	X	X	5	MA	6	X	H1	OK		OK
247:11:59:22:958	59:33:208	C:1C:250	28420-7	S	AUTO	X	X	5	MA	6	X	H1	OK		OK
247:11:59:34:708	59:36:208	C: 1:500	28420-8	L	AUTO	X	X	5	MA	6	X	H1	OK		OK

SC82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 129

FRAME COUNT	EPE POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
	(ARCMINS) (ARCSEC)			(ARCMINS) (ARCSEC)				(ARCSEC)										
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)					
2B418-5	5504.00	-41.20	-346.20		.00	.00	.00	26.25	55.00	900.50	3752.50	424.20	-1338.90	1822				
2B418-6	5504.00	-41.20	-346.20		.00	.00	.00	26.25	55.00	900.30	3351.60	424.90	-840.00	1822				
2B418-7	108.00	10.00	555.00		.00	.00	.00	26.25	55.00									
2B418-8	108.00	38.70	555.00	1.32	73.75	.00	.00	26.25	55.00	880.40	1886.20	429.50	304.90	1623				
2B419-1	108.00	38.00	555.00	1.32	91.25	.00	.00	26.25	55.00	880.10	1664.20	430.30	375.70	1623				
2B419-2	-116.00	-728.70	-216.20		1.32	22.50	.00	26.25	55.00	862.00	2156.00	428.50	181.20	1624				
2B419-3	-6078.80	-147.50	818.70		.00	.00	.00	26.25	55.00	770.60	3088.70	434.70	-532.30	1629				
2B419-4	-6078.80	-147.50	818.70		.00	.00	.00	26.25	55.00	770.60	3088.70	434.70	-532.30	1829				
2B419-5	-6078.80	-147.50	818.70		.00	.00	.00	26.25	55.00	770.60	3088.70	434.70	-532.30	1629				
2B419-6	-6078.20	-147.50	818.70		.00	.00	.00	26.25	55.00	770.60	3088.70	434.70	-532.30	1829				
2B419-7	-6078.80	-147.50	818.70		.00	.00	.00	26.25	55.00	770.60	3088.70	434.70	-532.30	1629				
2B419-8	-1197.00	-460.00	-166.20		.00	.00	.00	26.25	55.00	769.70	4273.80	423.80	-2088.10	1629				
2B420-1	-1197.00	-460.00	-166.20		.00	.00	.00	26.25	55.00	769.70	4273.80	423.80	-2088.10	1629				
2B420-2	-1197.00	-460.00	-166.20		.00	.00	.00	26.25	55.00	769.70	4273.80	423.80	-2088.10	1629				
2B420-3	-1197.00	-460.00	-166.20		.00	.00	.00	26.25	55.00	769.70	4095.50	423.80	-1820.20	1629				
2B420-4	-1197.00	-460.00	-166.20		.00	.00	.00	26.25	55.00	769.70	4095.50	423.80	-1820.20	1629				
2B420-5	-829.00	25.00	-315.00		.00	.00	.00	26.25	55.00	768.60	2400.60	427.70	33.70	1629				
2B420-6	-829.00	25.00	-315.00		.00	.00	.00	26.25	55.00	768.60	2400.60	427.70	33.70	1629				
2B420-7	-829.00	25.00	-315.00		.00	.00	.00	26.25	55.00	768.60	2400.60	427.70	33.70	1629				
2B420-8	-829.00	25.00	-315.00		.00	.00	.00	26.25	55.00	768.60	2400.60	427.70	33.70	1629				

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 130

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP			
OPEN	CLOSE	EXPOSURE TIME	-G3		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
247:11:59:39:708	0: 9:708	0:30: 0	28421-1	S	AUTO	X	X	5	MA	6	X	H1	OK			OK
247:12: 7: 3:208	7: 5:708	c: 2:500	28421-2	S	AUTO	X	X	5	MA	6	X	H1	OK			OK
247:12: 7: 7:458	7: 7:958	c: c:500	28421-3	L	AUTO	X	X	5	MA	6	X	H1	OK			OK
247:12: 7: 9:708	7:19:708	c:10: 0	28421-4	S	AUTO	X	X	5	MA	6	X	H1	OK			OK
247:12: 7:21:458	7:22:958	c: 1:500	28421-5	L	AUTO	X	X	5	MA	6	X	H1	OK			OK
247:12: 7:24:458	7:56:708	c:32:250	28421-6	S	AUTO	X	X	5	MA	6	X	H1	OK			OK
247:13:35:37:708	35:57:458	c:19:750	28421-7	S	MAN	X	X	5	MA	6	X	H1	OK			OK
247:16:26:57: 0	28:59:500	c: 2:500	28421-8	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK		OK
247:16:29: 1:500	29: 2: 0	c: c:500	28422-1	L	BORE	AUTO	X	X	5	GS	6	X	H1	OK		OK
247:16:29: 4: 0	29:14: 0	c:10: c	28422-2	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK		OK
247:16:29:16: 0	29:17:500	c: 1:500	28422-3	L	BORE	AUTO	X	X	5	GS	6	X	H1	OK		OK
247:16:29:19:500	29:49:800	c:30:500	28422-4	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK		OK
247:16:36:14:356	36:14:606	c: c:250	28422-5	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK		OK
247:16:36:16:188	36:16:688	c: c:500	28422-6	L	BORE	AUTO	X	X	5	GS	6	X	H1	OK		OK
247:16:36:18:355	36:26:522	c:10:167	28422-7	S	BORE	AUTO	X	4	5	GS	6	X	H1	OK		OK
247:16:36:30:187	36:31:604	c: 1:417	28422-8	L	BORE	AUTO	X	4	5	GS	6	X	H1	OK		OK
247:16:36:35:104	37:15:268	c:40:164	28423-1	S	BORE	AUTO	X	4	5	GS	6	A	H1	OK		OK
247:16:37:16:935	37:22:102	c: 5:167	28423-2	L	BORE	AUTO	X	4	5	GS	6	X	H1	OK		OK
247:16:37:23:767	40: 3:843	2:40: 76	28423-3	S	BORE	AUTO	X	4	5	GS	6	X	H1	OK		OK
247:16:40: 5:759	40:25:843	c:20: 64	28423-4	L	BORE	AUTO	X	4	5	ML	6	X	H1	OK		OK

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 130

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		NRL BIAS		ANGLE		ALTITUDE	Z(M)	ORBIT NO.
	(ARCMINS) (ARCSEC)		(ARCMINS) (ARCSEC)				(ARCSEC)		(ARCMINS)		(KM)	(KM)	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	OPEN	OPEN	
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)
2B421-1	-829.00	25.00	-315.00		.00	.00	.0	26.25	55.00	768.60	2400.60	427.70	33.70 1629
2B421-2	600.00	201.20	-238.70	.00	.00	.00	.0	26.25	55.00	766.20	591.80	434.10	315.60 1629
2B421-3	600.00	201.20	-238.70	.00	.00	.00	.0	26.25	55.00	766.20	575.90	434.10	309.70 1629
2B421-4	600.00	201.20	-238.70	.00	.00	.00	.0	26.25	55.00	766.20	567.40	434.10	306.50 1629
2B421-5	600.00	201.20	-238.70	.00	.00	.00	.0	26.25	55.00	766.20	523.20	434.10	289.10 1629
2B421-6	600.00	201.20	-238.70	.00	.00	.00	.0	26.25	55.00	766.20	511.90	434.10	284.40 1629
2B421-7	-2.00	906.30	118.70	.00	.00	.00	.0	26.25	55.00	749.20	1777.90	430.00	343.20 1630
2B421-8	5.00	-256.00	256.00	.00	.00	.00	.0	26.25	55.00	733.70	2569.20	438.00	-65.90 1631
2B422-1	5.00	-256.00	256.00	.00	.00	.00	.0	26.25	55.00	733.30	3010.30	435.10	-453.20 1631
2B422-2	5.00	-256.00	256.00	.00	.00	.00	.0	26.25	55.00	713.70	4412.80	423.80	-2304.90 1632
2B422-3	5.00	-256.00	256.00	.00	.00	.00	.0	26.25	55.00	713.70	4412.80	423.80	-2304.90 1632
2B422-4	5.00	-256.00	256.00	.00	.00	.00	.0	26.25	55.00	713.70	4412.80	423.80	-2304.90 1632
2B422-5	-2544.00	-78.70	295.00	.00	.00	.00	.0	26.25	55.00	713.00	2991.10	425.90	-454.60 1632
2B422-6	-2544.00	-78.70	295.00	.00	.00	.00	.0	26.25	55.00	713.00	2991.10	425.90	-454.60 1632
2B422-7	-2544.00	-78.70	295.00	.00	.00	.00	.0	26.25	55.00	713.00	2991.10	425.90	-454.60 1632
2B422-8	-2544.00	-78.70	295.00	.00	.00	.00	.0	26.25	55.00	713.00	2991.10	425.90	-454.60 1632
2B423-1	-2544.00	-78.70	295.00	.00	.00	.00	.0	26.25	55.00	713.00	2991.10	425.90	-454.60 1632
2B423-2	-2544.00	-78.70	295.00	.00	.00	.00	.0	26.25	55.00	712.80	2769.80	426.60	-250.10 1632
2B423-3	-2544.00	-78.70	295.00	.00	.00	.00	.0	26.25	55.00	712.80	2769.80	426.60	-250.10 1632
2B423-4	-2544.00	-78.70	295.00	.00	.00	.00	.0	26.25	55.00	712.10	2099.00	428.90	211.00 1632

5062B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 131

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	TIME	EXPOSURE -G-						OP	CL					
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
247:16:45:56:994	46: 1:660	0: 2:666	28423-5	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
247:16:46: 3:326	46: 3:626	0: 0:500	28423-6	L	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
247:16:46: 5:493	46:15:659	0:10:166	28423-7	S	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
247:16:46:17:326	46:18:743	0: 1:417	28423-8	L	BORE	AUTO	X	X	5	GS	6	X	H1	OK	OK
247:16:46:22:243	46:51:909	0:29:666	28424-1	S	BORE	AUTO	X	4	5	GS	6	X	H1	OK	OK
247:19:42:19:246	42:21:912	0: 2:666	28424-2	S		AUTO	X	X	5	MA	6	X	H1	OK	OK
247:19:42:23:579	42:24: 79	0: 0:500	28424-3	L		AUTO	X	X	5	MA	6	X	H1	OK	OK
247:19:42:25:745	42:35:912	0:10:167	28424-4	S		AUTO	X	X	5	MA	6	X	H1	OK	OK
247:19:42:37:579	42:38:995	0: 1:416	28424-5	L		AUTO	X	X	5	MA	6	X	H1	OK	OK
247:19:42:40:661	43:20:744	0:40: 83	28424-6	S		AUTO	X	X	5	MA	6	X	H1	OK	OK
247:19:43:22:410	43:27:577	0: 5:167	28424-7	L		AUTO	X	X	5	MA	6	X	H1	OK	OK
247:19:43:29:160	46: 9:314	2:40:154	28424-8	S		AUTO	X	4	5	MA	6	X	H1	OK	OK
247:19:46:14: 64	46:32:729	0:18:665	28425-1	L		AUTO	X	4	5	MA		X	H1	OK	OK
247:20:43:25:238	43:25:738	0: 0:500	28425-2	L		AUTO	X	X	5	ML	6	X	H1	OK	OK
247:20:43:27:405	43:30: 72	0: 2:667	28425-3	S		AUTO	X	X	5	ML	6	X	H1	OK	OK
247:20:43:31:655	43:33: 72	0: 1:417	28425-4	L		AUTO	X	X	5	ML	6	X	H1	OK	OK
247:20:43:34:738	43:44:904	0:10:166	28425-5	S		AUTO	X	X	5	ML	6	X	H1	OK	OK
247:20:43:46:571	43:51:757	0: 5:186	28425-6	L		AUTO	X	X	5	GS	6	X	H1	OK	OK
247:20:43:53:507	44:33:507	0:40: 0	28425-7	S		AUTO	X	X	5	GS	6	X	H1	OK	OK
247:20:44:35:257	44:55:257	0:20: 0	28425-8	L		AUTO	X	X	5	GS	6	X	H1	OK	OK

DATE 052275

PAGE 348

S082B~EDB  
 INSTRUMENT OPERATION  
 PAGE 2- 131

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
								(ARCSEC)										
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)					
2B423-5	-2544.00	-102.50	333.70	.00	.00	.00	.0	26.25	55.00	710.60	747.90	433.00	365.50 1632					
2B423-6	-2544.00	-102.50	333.70	.00	.00	.00	.0	26.25	55.00	710.30	731.60	433.70	361.30 1632					
2B423-7	-2544.00	-102.50	333.70	.00	.00	.00	.0	26.25	55.00	710.30	723.40	433.70	358.90 1632					
2B423-8	-2544.00	-102.50	333.70	.00	.00	.00	.0	26.25	55.00	710.30	678.70	433.70	345.30 1632					
2B424-1	-2544.00	-102.50	333.70	.00	.00	.00	.0	26.25	55.00	710.30	660.20	433.70	339.30 1632					
2B424-2	5160.00	-170.00	445.00	.00	.00	.00	.0	26.25	55.00	675.50	3090.50	425.70	-554.20 1834					
2B424-3	5160.00	-170.00	445.00	.00	.00	.00	.0	26.25	55.00	675.50	3090.50	425.70	-554.20 1634					
2B424-4	5160.00	-170.00	445.00	.00	.00	.00	.0	26.25	55.00	675.50	3090.50	425.70	-554.20 1634					
2B424-5	5160.00	-170.00	445.00	.00	.00	.00	.0	26.25	55.00	675.50	3090.50	425.70	-554.20 1634					
2B424-6	5160.00	-170.00	445.00	.00	.00	.00	.0	26.25	55.00	675.50	3090.50	425.70	-554.20 1834					
2B424-7	5160.00	-170.00	445.00	.00	.00	.00	.0	26.25	55.00	675.30	2868.70	426.40	-338.10 1834					
2B424-8	5160.00	-170.00	445.00	.00	.00	.00	.0	26.25	55.00	675.30	2868.70	426.40	-338.10 1834					
2B425-1	5160.00	-170.00	445.00	.00	.00	.00	.0	26.25	55.00	674.70	2196.30	428.60	159.60 1634					
2B425-2	-3098.10	677.50	56.30	.00	.00	.00	.0	26.25	55.00	661.80	239.10	450.10	154.00 1634					
2B425-3	-3098.10	677.50	56.30	.00	.00	.00	.0	26.25	55.00	661.80	247.30	450.10	158.70 1634					
2B425-4	-3098.10	677.50	56.30	.00	.00	.00	.0	26.25	55.00	661.80	263.30	450.10	167.80 1634					
2B425-5	-3098.10	677.50	56.30	.00	.00	.00	.0	26.25	55.00	661.80	274.90	450.10	174.40 1634					
2B425-6	-3098.10	677.50	56.30	.00	.00	.00	.0	26.25	55.00	661.80	319.50	450.10	198.70 1634					
2B425-7	-3098.10	677.50	56.30	.00	.00	.00	.0	26.25	55.00	661.80	345.60	450.10	212.50 1634					
2B425-8	-3098.10	677.50	56.30	.00	.00	.00	.0	26.25	55.00	661.50	503.00	449.50	287.10 1634					

DATE 052275

PAGE 349

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 132

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP			
OPEN	CLOSE	TIME	-G-		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
247:20:44:56:757	47:39: 7	2:40:250	28426-1	S		AUTO	X	X	5	GS	6	X	H1	OK		
247:20:49:13:507	54:32:507	5:19: C	28426-2	S		MAN	X	X	5	MA	6	X	H1	OK	OK	
247:20:59:11:490	59:13:990	0: 2:500	28426-3	S		AUTO	X	X	5	MA	6	X	H1	OK	OK	
247:20:59:15:740	59:16:240	0: 0:500	28426-4	L		AUTO	X	X	5	MA	6	X	H1	OK	OK	
247:20:59:17:990	59:27:990	0:1C: 0	28426-5	S		AUTO	X	X	5	MA	6	X	H1	OK	OK	
247:20:59:29:739	59:31:239	0: 1:500	28426-6	L		AUTO	X	X	5	MA	6	X	H1	OK	OK	
247:20:59:32:739	C:12:987	C:4C:248	28426-7	S		AUTO	X	X	5	MA	6	X	H1	OK	OK	
247:21: 0:14:487	0:19:737	0: 5:250	28426-8	L		AUTO	X	X	5	MA	6	X	H1	OK	OK	
247:21: 0:23:237	3: 3:226	2:39:991	28427-1	S		AUTO	X	X	5	MA	6	X	H1	OK	OK	
247:21: 3: 4:977	3:24:976	0:19:999	28427-2	L		AUTO	X	X	5	MA	6	X	H1	OK	OK	
247:21: 5:57: 7	5:57:507	C: 0:500	28427-3	L		AUTO	X	X	5	MA	6	X	H1	OK	OK	
247:21: 5:59:156	6: 1:822	E: 2:666	28427-4	S		AUTO	X	X	5	MA	6	X	H1	OK	OK	
247:21: 6: 3:469	6: 4:719	C: 1:250	28427-5	L		AUTO	X	X	5	MA	6	X	H1	OK	OK	
247:21: 6: 6:468	6:16:718	0:10:250	28427-6	S		AUTO	X	X	5	MA	6	X	H1	OK	OK	
247:21: 6:18:218	6:23:468	C: 5:250	28427-7	L		AUTO	X	X	5	MA	6	X	H1	OK	OK	
247:21: 6:24:967	7: 5:215	0:4C:248	28427-8	S		AUTO	X	X	5	GS	6	X	H1	OK	OK	
247:21: 7: 8:715	7:26:714	C:19:999	28428-1	L		AUTO	X	X	5	GS	6	X	H1	OK	OK	
247:21: 7:30:464	IC:10:457	2:39:993	28428-2	S		AUTO	X	X	5	GS	6	X	H1	OK	OK	
247:21:12:4C:949	16: 0:222	5:19:273	28428-3	S		MAN	X	X	5	GS	6	X	H1	OK	OK	
247:22:17:43:397	17:43:757	C: 0:368	28428-4	S	LNB PT	MAN	X	X	5	ML	6	X	H1	OK	OK	

DATE 052275

PAGE 350

5082B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 132

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPE POINT			MAX PT EXC			LIMB OFF (ARCSEC)	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)				
28426-1	-3098.10	677.50	56.30				.0	26.25	55.00	661.50	591.60	449.50	323.00	1634				
28426-2	-3098.10	677.50	56.30	.00	.00	.00	.00	26.25	55.00	659.80	1500.30	444.60	426.20	1634				
28426-3	-3098.10	652.50	56.30	.00	.00	.00	.00	26.25	55.00	657.80	3722.90	431.00	-1282.60	1634				
28426-4	-3098.10	668.70	56.30	.00	.00	.00	.00	26.25	55.00	657.80	3722.90	431.00	-1282.60	1634				
28426-5	-3098.10	668.70	56.30	.00	.00	.00	.0	26.25	55.00	657.80	3722.90	431.00	-1282.60	1634				
28426-6	-3098.10	655.00	56.30	.00	.00	.00	.0	26.25	55.00	657.80	3722.90	431.00	-1282.60	1634				
28426-7	-3098.10	655.00	56.30	.00	.00	.00	.00	26.25	55.00	657.80	3722.90	431.00	-1282.60	1634				
28426-8	-3098.10	658.70	56.30	.00	36.25	.00	.0	26.25	55.00	657.70	3932.70	429.80	-1570.70	1834				
28427-1	-3098.10	658.70	56.30	.00	.00	.00	.0	26.25	55.00	657.70	3932.70	429.80	-1570.70	1634				
28427-2	-3098.10	663.70	56.30	.00	42.50	.00	.00	26.25	55.00	657.50	4498.00	426.80	-2432.90	1634				
28427-3	-3098.10	927.50	56.30	.00	36.25	.00	.0	26.25	55.00	657.40	4724.80	425.40	-2810.90	1634				
28427-4	-3098.00	927.00	56.30	.00	.00	.00	.0	26.25	55.00	657.40	4725.00	425.40	-2811.00	1634				
28427-5	-3098.10	927.50	56.30	.00	.00	.00	.0	26.25	55.00	657.30	4738.10	424.80	-2834.90	1634				
28427-6	-3098.10	927.50	56.30	.00	.00	.00	.0	26.25	55.00	657.30	4738.10	424.80	-2834.90	1634				
28427-7	-3098.10	927.50	56.30	.00	.00	.00	.0	26.25	55.00	657.30	4738.10	424.80	-2834.90	1634				
28427-8	-3098.10	927.50	56.30	.00	.00	.00	.0	26.25	55.00	657.30	4738.10	424.80	-2834.90	1634				
28428-1	-3098.10	927.50	56.30	.00	.00	.00	.0	26.25	55.00	657.30	4673.60	424.50	-2727.70	1634				
28428-2	-3098.10	927.50	56.30	.00	.00	.00	.0	26.25	55.00	657.30	4673.60	424.50	-2727.70	1634				
28428-3	-3098.10	927.50	56.30	.00	.00	.00	.0	26.25	55.00	657.00	3792.00	424.50	-1391.00	1634				
28428-4	-3100.40	975.00	55.00				-13.0	26.25	55.00	642.80	488.00	449.60	280.60	1635				

DATE 052275

PAGE 351

S082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 1 - 133

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP				
OPEN	CLOSE	TIME	EXPOSURE						-G-						OP	CL
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	
247:22:17:45:222	17:45:722	0: 0:500	28428-5	L	LMB	PT	MAN	X	X	5	ML	6	X	H1	OK	
247:22:17:47:389	17:57:555	0:10:166	28428-6	S	LMB	PT	MAN	X	X	5	ML	6	X	H1	OK	
247:22:17:59:138	18: 0:554	0: 1:416	28428-7	L	LMB	PT	MAN	X	X	5	ML	6	X	H1	OK	
247:22:18: 2:220	18:42:386	0:40:166	28428-8	S	LMB	PT	MAN	X	X	5	ML	6	X	H1	OK	
247:22:18:45:885	18:51: 52	0: 5:167	28429-1	L	LMB	PT	MAN	X	X	5	ML	6	X	H1	OK	
247:22:18:52:718	21:32:792	2:40: 74	28429-2	S	LMB	PT	MAN	X	X	5	ML	6	X	H1	OK	
247:22:21:34:458	21:54:458	0:20: 0	28429-3	L	LMB	PT	MAN	X	X	5	M3	6	X	H1	OK	
247:22:24:47:620	24:48: 7	0: 2:387	28429-4	L	LMB	PT	AUTO S	X	X	5	M3	6	X	H1	OK	
247:22:24:49:757	24:52:757	0: 3: 0	28429-5	S	LMB	PT	AUTO S	X	X	5	M3	6	X	H1	OK	
247:22:24:54: 7	24:55:507	0: 1:500	28429-6	L	LMB	PT	AUTO S	X	X	5	M3	6	X	H1	OK	
247:22:24:57: 7	25: 7:257	0:10:250	28429-7	S	LMB	PT	AUTO S	X	X	5	M3	6	X	H1	OK	
247:22:25: 9: 7	25:13:869	0: 4:862	28429-8	L	LMB	PT	AUTO S	X	X	5	M3	6	X	H1	OK	
247:22:25:17:507	25:57:757	0:40:250	28430-1	S	LMB	PT	AUTO S	X	X	5	M3	6	X	H1	OK	
247:22:25:59:257	26:19:507	0:20:250	28430-2	L	LMB	PT	AUTO S	X	X	5	M3	6	X	H1	OK	
247:22:26:21: 7	29: 1:257	2:40:250	28430-3	S	LMB	PT	AUTO S	X	X	5	M3	6	X	H1	OK	
247:22:29: 2:757	29: 3:257	0: 0:500	28430-4	L	LMB	PT	AUTO S	X	X	5	M3	6	X	H1	OK	
247:22:29: 5: 7	29: 7:757	0: 2:750	28430-5	S	LMB	PT	AUTO S	X	X	5	M3	6	X	H1	OK	
247:22:29: 9:257	29:10:757	0: 1:500	28430-6	L	LMB	PT	AUTO S	X	X	5	M3	6	X	H1	OK	
247:22:29:12:257	29:22:507	0:10:250	28430-7	S	LMB	PT	AUTO S	X	X	5	M3	6	X	H1	OK	
247:22:29:24:257	29:29:257	0: 5: 0	28430-8	L	LMB	PT	AUTO S	X	X	5	M3	6	X	H1	OK	

SC82B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 133

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
								(ARCSEC)										
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)				
28428-5	-3100.40	975.00	55.00				-12.0	26.25	55.00	642.80	494.90	449.60	283.60	1635				
28428-6	-3100.40	975.00	55.00	.00	.00	.00	.00	26.25	55.00	642.80	503.10	449.60	287.10	1635				
28428-7	-3100.40	975.00	55.00	.00	.00	.00	.00	26.25	55.00	642.80	547.40	449.60	305.70	1635				
28428-8	-3100.40	975.00	55.00	.00	.00	.00	.00	26.25	55.00	642.40	559.00	448.90	310.00	1635				
28429-1	-3100.40	975.00	55.00	.00	.00	.00	-13.0	26.25	55.00	642.40	723.80	448.90	368.00	1635				
28429-2	-3100.40	975.00	55.00	.00	.00	.00	-1.00	26.25	55.00	642.40	749.60	448.90	375.60	1635				
28429-3	-3100.40	975.00	55.00	.00	.00	.00	-12.0	26.25	55.00	641.40	1359.60	445.90	442.40	1635				
28429-4	-3097.00	975.00	55.00	.00	.00	.00	-12.0	26.25	55.00	640.50	1907.70	442.20	315.70	1635				
28429-5	-3097.00	975.00	55.00				-12.0	26.25	55.00	640.50	1907.70	442.20	315.70	1635				
28429-6	-3097.00	975.00	55.00	.00	.00	.00	-11.0	26.25	55.00	640.50	1907.70	442.20	315.70	1635				
28429-7	-3097.00	975.00	55.00	.00	.00	.00	-11.0	26.25	55.00	640.50	1907.70	442.20	315.70	1635				
28429-8	-3097.00	975.00	55.00	.00	.00	.00	1.00	26.25	55.00	640.20	2133.20	440.80	213.40	1635				
28430-1	-3097.00	975.00	55.00	.00	.00	.00	-12.0	26.25	55.00	640.20	2133.20	440.80	213.40	1635				
28430-2	-3097.00	975.00	55.00	.00	.00	.00	-12.0	26.25	55.00	640.20	2133.20	440.80	213.40	1635				
28430-3	-3097.00	975.00	55.00	.00	.00	.00	-12.0	26.25	55.00	640.30	2358.30	439.40	82.50	1635				
28430-4	-3097.00	975.00	55.00	.00	.00	.00	-4.0	26.25	55.00	640.10	3029.30	435.10	-471.70	1635				
28430-5	-3097.00	975.00	55.00	.00	.00	.00	-4.0	26.25	55.00	640.10	3029.30	435.10	-471.70	1635				
28430-6	-3097.00	975.00	55.00	.00	.00	.00	-4.0	26.25	55.00	640.10	3029.30	435.10	-471.70	1635				
28430-7	-3097.00	975.00	55.00	.00	.00	.00	-4.0	26.25	55.00	640.10	3029.30	435.10	-471.70	1635				
28430-8	-3097.00	975.00	55.00	.00	.00	.00	-4.0	26.25	55.00	640.10	3029.30	435.10	-471.70	1635				

DATE 052275

PAGE 353

S082B-EDB

INSTRUMENT OPERATION  
PAGE 1 - 134

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP			
OPEN	CLOSE	EXPOSURE TIME	-G*		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
247:22:29:32:757	30:13: 7	0:40:250	28431-1	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:30:14:757	32:34:757	0:20: 0	28431-2	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:30:36:257	33:16:507	2:40:250	28431-3	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:33:18:257	33:18:507	0: 0:250	28431-4	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:33:20:257	33:23: 7	0: 2:750	28431-5	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:33:24:507	33:26: 7	0: 1:500	28431-6	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:33:27:507	33:37:757	0:10:250	28431-7	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:33:39:507	33:44:507	0: 5: 0	28431-8	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:33:48:257	34:28:257	0:40: 0	28432-1	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:34:30: 7	34:50: 7	0:20: 0	28432-2	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:34:51:757	37:32: 7	2:40:250	28432-3	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:37:33:507	37:34: 7	0: 0:500	28432-4	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:37:35:757	37:38:507	0: 2:750	28432-5	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:37:40: 7	37:41:507	0: 1:500	28432-6	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:37:43: 7	37:53:257	0:10:250	28432-7	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:37:55: 7	38: 0: 7	0: 5: 0	28432-8	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:38: 3:507	38:43:757	0:40:250	28433-1	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:38:45:257	39: 5:507	0:20:250	28433-2	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:39: 7: 7	41:47:257	2:40:250	28433-3	S	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK
247:22:41:48:757	41:51:507	0: 2:750	28433-4	L	LMB PT AUTO S	X	X	5	M3	6	X	H1	OK			OK

DATE 052275

PAGE 354

SC82B-EDB

INSTRUMENT OPERATION  
PAGE 2- 134

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPE POINT			MAX PT EXC			LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.
									(ARCSEC)		(ARCMINS)		(KM)	(KM)	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	OPEN	OPEN	(AA)	(BB)	(CC)
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)					
28431-1	-3097.00	975.00	55.00				-5.0	26.25	55.00	640.10	3029.30	435.10	-471.70	1635	
28431-2	-3097.00	975.00	55.00	.00	.00	.00	-1.00	26.25	55.00	639.30	3250.50	433.80	-705.50	1635	
28431-3	-3097.00	975.00	55.00	.00	.00	.00	-4.0	26.25	55.00	639.30	3250.50	433.80	-705.50	1635	
28431-4	-3097.00	975.00	55.00	.00	.00	.00	-4.0	26.25	55.00	639.10	3898.10	429.90	-1522.00	1635	
28431-5	-3097.00	975.00	55.00	.00	.00	.00	-2.0	26.25	55.00	639.10	3898.10	429.90	-1522.00	1635	
28431-6	-3097.00	975.00	55.00	.00	.00	.00	-2.0	26.25	55.00	639.10	3898.10	429.90	-1522.00	1635	
28431-7	-3097.00	975.00	55.00	.00	.00	.00	-2.0	26.25	55.00	639.10	3898.10	429.90	-1522.00	1635	
28431-8	-3097.00	975.00	55.00	.00	.00	.00	-2.0	26.25	55.00	639.10	3898.10	429.90	-1522.00	1635	
28432-1	-3097.00	975.00	55.00	.00	.00	.00	-2.0	26.25	55.00	639.10	3898.10	429.90	-1522.00	1635	
28432-2	-3097.00	975.00	55.00	.00	.00	.00	-2.0	26.25	55.00	639.30	4103.80	428.80	-1818.90	1635	
28432-3	-3097.00	975.00	55.00	.00	.00	.00	-2.0	26.25	55.00	639.30	4103.80	428.80	-1818.90	1635	
28432-4	-3097.00	975.00	55.00	.00	.00	.00	.0	26.25	55.00	639.40	4628.30	426.10	-2647.70	1635	
28432-5	-3097.00	975.00	55.00	.00	.00	.00	.0	26.25	55.00	639.40	4628.30	426.10	-2647.70	1635	
28432-6	-3097.00	975.00	55.00	.00	.00	.00	.0	26.25	55.00	639.40	4628.30	426.10	-2647.70	1635	
28432-7	-3097.00	975.00	55.00	.00	.00	.00	.0	26.25	55.00	639.40	4628.30	426.10	-2647.70	1635	
28432-8	-3097.00	975.00	55.00	.00	.00	.00	.0	26.25	55.00	639.40	4628.30	426.10	-2647.70	1635	
28433-1	-3097.00	975.00	55.00	.00	.00	.00	.0	26.25	55.00	639.30	4730.40	425.40	-2820.20	1635	
28433-2	-3097.00	975.00	55.00	.00	.00	.00	.0	26.25	55.00	639.30	4730.40	425.40	-2820.20	1635	
28433-3	-3097.00	975.00	55.00	.00	.00	.00	.0	26.25	55.00	639.30	4760.70	424.90	-2873.10	1635	
28433-4	-3097.00	975.00	55.00	.00	.00	.00	2.0	26.25	55.00	639.20	4592.80	424.20	-2594.40	1635	

DATE 052275

PAGE 355

S062B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 135

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	TIME	-GS	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
247:22:41:53:257	42: 3:257	0:10: C	28433-5	S	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
247:22:42: 5: 7	42:15: 7	C:10: C	28433-6	L	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
247:22:42:16:757	42:57: 7	C:40:250	28433-7	S	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
247:22:42:58:757	43:38:757	C:40: C	28433-8	L	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
247:22:43:42:257	46:22:507	2:40:250	28434-1	S	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
247:22:46:24:257	49: 4:131	2:39:674	28434-2	L	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
247:22:49: 5:797	59:46: 7	1C:40:21C	28434-3	S	LMB	PT AUTO	S	X	4	5	M3	6	X	H1	OK
247:22:59:47:522	59:50:189	C: 2:667	28434-4	L	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
247:22:59:51:855	C: 2:198	C:10:343	28434-5	S	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
247:23: 0: 3:948	C:13:947	C: 5:999	28434-6	L	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
247:23: 0:15:697	C:55:695	C:39:998	28434-7	S	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
247:23: 0:57:445	1:37:693	C:40:248	28434-8	L	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
247:23: 1:41:193	3:18:437	1:37:244	28435-1	S	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
247:23:49:25:545	52: 5:788	2:40:243	28435-2	L	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
247:23:52: 7:288	2:47:506	1C:40:218	28435-3	S	LMB	PT AUTO	S	X	X	5	MA	6	X	H1	OK
248: 0: 2:49:357	2:51:857	C: 2:500	28435-4	L	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
248: 0: 2:53:607	3: 3:606	C: 9:999	28435-5	S	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
248: 0: 3: 5:356	3:15:606	C:10:250	28435-6	L	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
248: 0: 3:17:106	3:57:354	C:40:248	28435-7	S	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK
248: 0: 3:56:853	4:39:101	C:40:248	28435-8	L	LMB	PT AUTO	S	X	X	5	M3	6	X	H1	OK

DATE 052275

PAGE 356

SC82B-EDB

INSTRUMENT OPERATION  
PAGE 2- 135

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	----- EPC POINT -----			---- MAX PT EXC ----			LIMB OFF (ARCMIN)	--NRL BIAS-- (ARCSEC)		ANGLE (ARCMIN)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		-BETA-	-Z-							
										OPEN	OPEN							
2B433-5	-3096.00	975.00	55.00				2.0	26.25	55.00	639.20	4592.80	424.20	-2594.40	1635				
2B433-6	-3096.00	975.00	55.00	.00	.00	.00	2.0	26.25	55.00	639.20	4433.40	424.10	-2336.80	1635				
2B433-7	-3096.00	975.00	55.00	.00	.00	.00	2.0	26.25	55.00	639.20	4433.40	424.10	-2336.80	1635				
2B433-8	-3096.00	975.00	55.00	.00	.00	.00	2.0	26.25	55.00	639.20	4433.40	424.10	-2336.80	1635				
2B434-1	-3096.00	975.00	55.00	.00	.00	.00	2.0	26.25	55.00	638.40	4249.10	424.10	-2049.60	1635				
2B434-2	-3096.00	975.00	55.00	.00	.00	.00	2.0	26.25	55.00	638.40	3628.40	424.80	-1175.90	1635				
2B434-3	-3096.00	975.00	55.00	.00	.00	.00	1.0	26.25	55.00	638.40	2968.10	426.30	-431.30	1635				
2B434-4	-3096.00	975.00	55.00	.00	.00	.00	4.0	26.25	55.00	635.50	525.90	433.90	290.10	1636				
2B434-5	-3096.00	975.00	55.00	.00	.00	.00	4.0	26.25	55.00	635.50	509.50	433.90	283.40	1636				
2B434-6	-3096.00	975.00	55.00	.00	.00	.00	4.0	26.25	55.00	634.70	463.60	434.60	264.00	1636				
2B434-7	-3096.00	975.00	55.00	.00	.00	.00	4.0	26.25	55.00	634.70	419.10	434.60	243.80	1636				
2B434-8	-3096.00	975.00	55.00	.00	.00	.00	4.0	26.25	55.00	634.70	260.80	434.60	163.10	1636				
2B435-1	-3096.00	975.00	55.00	.00	.00	.00	4.0	26.25	55.00	634.50	95.00	435.20	63.80	1636				
2B435-2	-3098.40	978.70	55.00	.00	.00	.00	3.0	26.25	55.00	625.20	148.40	450.30	99.30	1636				
2B435-3	-3098.40	978.70	55.00	.00	.00	.00	3.0	26.25	55.00	623.40	759.30	448.10	378.00	1636				
2B435-4	-3098.10	978.70	55.00	.00	.00	.00	5.0	26.25	55.00	621.40	2986.00	435.40	443.90	1636				
2B435-5	-3098.10	978.70	55.00	.00	.00	.00	5.0	26.25	55.00	621.40	2988.00	435.40	444.80	1636				
2B435-6	-3098.10	978.70	55.00	.00	.00	.00	5.0	26.25	55.00	620.50	3210.00	434.00	445.50	1636				
2B435-7	-3098.10	978.70	55.00	.00	.00	.00	5.0	26.25	55.00	620.50	3210.00	434.00	446.10	1636				
2B435-8	-3098.70	978.70	55.00	.00	.00	.00	5.0	26.25	55.00	620.50	3210.00	434.00	439.00	1636				

DATE 052275

PAGE 357

SC826-EDB  
 INSTRUMENT OPERATION  
 PAGE 1 - 136

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-KVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	EXPOSURE TIME	-G-	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
246: 0: 4:42:601	7:22:843	2:40:242	28436-1	S	LMB	PT AUTO	S	X	X	5	M3	6	X	HI	OK
248: 0: 7:24:343	10: 4:585	2:40:242	28436-2	L	LMB	PT AUTO	S	X	X	5	M3	6	X	HI	OK
248: 0:10: 6: 85	20:46:371	10:40:286	28436-3	S	LMB	PT AUTO	S	X	X	5	M3	6	X	HI	OK
248: 0:20:48:121	20:50:621	0: 2:500	28436-4	L	LMB	PT AUTO	S	X	X	5	M3	6	X	HI	OK
248: 0:20:52:371	21: 2:620	0:10:249	28436-5	S	LMB	PT AUTO	S	X	X	5	M3	6	X	HI	OK
248: 0:21: 4:120	21:14:370	0:10:250	28436-6	L	LMB	PT AUTO	S	X	X	5	M3	6	X	HI	OK
248: 0:21:15:870	21:56:119	0:40:249	28436-7	S	LMB	PT AUTO	S	X	X	5	M3	6	X	HI	OK
248: 0:21:57:869	22:37:868	0:39:999	28436-8	L	LMB	PT AUTO	S	X	X	5	M3	6	X	HI	OK
248: 0:22:41:368	25:21:758	2:40:390	28437-1	S	LMB	PT AUTO	S	X	4	5	M3	6	X	HI	OK
248: 0:25:23:508	26: 3:508	2:40: 0	28437-2	L	LMB	PT AUTO	S	X	X	5	M3	6	X	HI	OK
248: 0:26: 5:258	37: 9:508	9: 4:250	28437-3	S	LMB	PT AUTO	S	X	4	5	M3	6	X	HI	OK
248: 1:54:58:860	55: 1:359	0: 2:499	28437-4	S	BORE	AUTO	X	X	5	MA	6	X	HI	OK	OK
248: 1:55: 3:109	55: 3:609	0: 0:500	28437-5	L	BORE	AUTO	X	X	5	MA	6	X	HI	OK	OK
248: 1:55: 5:359	55:15:359	0:10: 0	28437-6	S	BORE	AUTO	X	X	5	MA	6	X	HI	OK	OK
248: 1:55:17:109	55:18:359	0: 1:250	28437-7	L	BORE	AUTO	X	X	5	GS	6	X	HI	OK	OK
248: 1:55:20:108	56: 0:356	0:40:248	28437-8	S	BORE	AUTO	X	X	5	GS	6	X	HI	OK	OK
248: 1:56: 3:856	56: 8:856	0: 5: 0	28438-1	L	BORE	AUTO	X	X	5	GS	6	X	HI	OK	OK
248: 1:56:10:606	56:50:598	2:39:992	28438-2	S	BORE	AUTO	X	X	5	GS	6	X	HI	OK	OK
248: 1:58:52:348	59:12:347	0:19:999	28438-3	L	BORE	AUTO	X	X	5	GS	6	X	HI	OK	OK
248: 1:59:40:345	4:59:580	5:19:235	28438-4	S	BORE	AUTO	X	X	5	GS	6	X	HI	OK	OK

SG826-EUB

INSTRUMENT OPERATION

5-22-75 AT 2 HOURS 55 MINS 48 SECS

PAGE 2- 136

FRAME COUNT (ARCMINS)	----- EPC POINT -----			---- MAX PT EXC ----			LIMB OFF  (ARCMINS)  (ARCSEC)	--NRL BIAS--		ANGLE		ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1	-BETA-	-Z-				
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	OPEN	OPEN				
28436-1	-3098.40	978.70	55.00		.00	.00	.00	5.0	26.25	55.00	620.40	3431.00	432.60	437.30	1836
28436-2	-3098.70	978.70	55.00		.00	.00	.00	5.0	26.25	55.00	620.60	4071.20	429.00	-1770.90	1636
28436-3	-3098.40	978.70	55.00		.00	.00	.00	5.0	26.25	55.00	620.40	4615.80	426.20	-2626.70	1636
28436-4	-3095.00	978.70	55.00		.00	.00	.00	7.0	26.25	55.00	619.50	3460.60	425.10	-967.40	1636
28436-5	-3095.00	978.70	55.00		.00	.00	.00	7.0	26.25	55.00	619.50	3460.60	425.10	-967.40	1636
28436-6	-3095.00	978.70	55.00		.00	.00	.00	7.0	26.25	55.00	619.60	3240.00	425.60	-712.90	1636
28436-7	-3095.00	978.70	55.00		.00	.00	.00	7.0	26.25	55.00	619.60	3240.00	425.60	-712.90	1636
28436-8	-3095.00	978.70	55.00		.00	.00	.00	7.0	26.25	55.00	619.60	3240.00	425.60	-712.90	1836
28437-1	-3095.00	978.70	55.00		.00	.00	.00	7.0	26.25	55.00	619.50	3017.50	426.20	-479.70	1636
28437-2	-3095.00	978.70	55.00		.00	.00	.00	7.0	26.25	55.00	618.70	2342.80	428.40	72.40	1636
28437-3	-3095.00	978.70	55.00		.00	.00	.00	7.0	26.25	55.00	617.60	1662.80	430.80	376.70	1636
28437-4	-3100.10	951.20	56.30		.00	.00	.00	0.0	26.25	55.00	600.70	3289.60	425.50	-768.00	1637
28437-5	-3100.10	951.20	56.30		.00	.00	.00	0.0	26.25	55.00	600.80	3066.80	426.10	-529.20	1637
28437-6	-3100.10	951.20	56.30		.00	.00	.00	0.0	26.25	55.00	600.80	3066.80	426.10	-529.20	1637
28437-7	-3100.10	951.20	56.30		.00	.00	.00	0.0	26.25	55.00	600.80	3066.80	426.10	-529.20	1637
28437-8	-3100.10	951.20	56.30		.00	.00	.00	0.0	26.25	55.00	600.80	3066.80	426.10	-529.20	1637
28438-1	-3100.00	951.70	56.30		.00	.00	.00	0.0	26.25	55.00	600.90	2843.10	426.80	-313.70	1637
28438-2	-3100.00	951.70	56.30		.00	.00	.00	0.0	26.25	55.00	600.90	2843.10	426.80	-313.70	1637
28438-3	-3100.00	951.70	56.30		.00	.00	.00	0.0	26.25	55.00	599.80	2391.10	428.20	40.92	1637
28438-4	-3100.00	951.70	56.30		.00	.00	.00	0.0	26.25	55.00	599.80	2165.10	429.00	177.30	1637

DATE 052275

PAGE 359

SC82B-EDB

INSTRUMENT OPERATION

5-22-75 AT 2 HOURS 55 MINS 48 SECS

PAGE 1 - 137

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP		
OPEN	CLOSE	EXPOSURE		-G-						OP	CL	(P)	(Q)	
		(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
248:14:25:31: 56	33:30:558	7:59:502	28438-5	S	LMB PT	MAN	X	X	S	GS	6	X	H1	OK
248:17:25: 7:128	25:26:710	0:19:582	28438-6	S		MAN	X	X	5	GS	6	X	H1	OK
248:18:29:38:515	29:57:264	0:18:749	28438-7	L		MAN	X	4	5	ML	6	X	H1	OK
248:18:31: 1:511	31: 1:761	0: 0:250	28438-8	S		AUTO	X	4	5	ML	6	X	H1	OK
248:18:31:23:510	31:24: 10	0: 0:500	28439-1	L		AUTO	X	4	5	ML	6	X	H1	OK
248:18:31:25:760	31:35:759	0: 9:999	28439-2	S		AUTO	X	4	5	ML	6	X	H1	OK
248:18:31:37:589	31:36:759	0: 1:250	28439-3	L		AUTO	X	4	5	ML	6	X	H1	OK
248:18:31:40:759	32:20:757	0:39:998	28439-4	S		AUTO	X	4	5	ML	6	X	H1	OK
248:18:32:22:507	32:27:506	0: 4:999	28439-5	L		AUTO	X	4	5	ML	6	X	H1	OK
248:18:32:29:256	35: 9:256	2:40: 0	28439-6	S		AUTO	X	4	5	ML	6	X	H1	OK
248:18:35:10:756	35:30:755	0:19:999	28439-7	L		AUTO	X	4	5	MA	6	X	H1	OK
248:18:36:57:503	37: 6:403	0: 8:900	28439-8	S		MAN	X	4	5	ML	6	X	H1	OK
248:18:38: 2:250	38: 2:750	0: 0:500	28440-1	X		AUTO	X	X	5	ML	6	X	H1	OK
248:18:41: 0:492	41: 3:242	0: 2:750	28440-2	S		AUTO	X	4	5	ML	6	X	H1	OK
248:18:41: 5:242	41: 6:492	0: 1:250	28440-3	L		AUTO	X	4	5	ML	6	X	H1	OK
248:18:41: 8:242	41:18:241	0: 9:999	28440-4	S		AUTO	X	4	5	ML	6	X	H1	OK
248:18:41:19:991	41:24:991	0: 5: 0	28440-5	L		AUTO	X	4	5	ML	6	X	H1	OK
248:18:41:26:741	42: 6:739	0:39:998	28440-6	S		AUTO	X	4	5	ML	6	X	H1	OK
248:18:42: 8:739	42:28:488	0:19:749	28440-7	L		AUTO	X	4	5	ML	6	X	H1	OK
248:18:42:30:238	45:10:228	2:39:990	28440-8	S		AUTO	X	4	5	ML	6	X	H1	OK

DATE 052275 PAGE 360

SC82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 137

FRAME COUNT (ARCMINS)	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE	ALTITUDE	Z(M)	ORBIT NO.	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1	(ARCMINS)	(KM)	(KM)		
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	-BETA-	-Z-	OPEN	OPEN	
2B438-5	-369.00	1002.50	55.00				29.0	26.25	55.00	449.70	2095.20	429.40	213.70	1645
2B438-6	-1861.00	892.50	-213.70		.00	.00	.00	26.25	55.00	413.50	3562.30	425.00	-1091.80	1647
2B438-7	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	399.20	557.00	449.10	309.30	1647
2B438-8	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	398.50	873.70	447.20	406.10	1647
2B439-1	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	398.50	957.70	447.20	422.30	1647
2B439-2	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	398.50	966.30	447.20	423.70	1647
2B439-3	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	398.50	1011.20	447.20	430.50	1647
2B439-4	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	398.50	1023.60	447.20	432.20	1647
2B439-5	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	398.20	1183.00	446.10	444.80	1647
2B439-6	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	398.20	1208.70	446.10	445.60	1647
2B439-7	5460.00	-36.22	-6.30		.00	.00	.00	26.25	55.00	397.30	1784.50	442.30	443.10	1647
2B439-8	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	397.20	2013.70	442.30	443.10	1647
2B440-1	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	396.50	2471.90	438.00	4.40	1647
2B440-2	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	396.00	3157.80	433.70	-606.00	1647
2B440-3	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	396.00	3157.80	433.70	-606.00	1647
2B440-4	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	396.00	3157.80	433.70	-606.00	1647
2B440-5	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	396.00	3157.80	433.70	-606.00	1647
2B440-6	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	396.00	3157.80	433.70	-606.00	1647
2B440-7	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	395.80	3385.60	432.30	-861.40	1647
2B440-8	5460.00	-36.20	-6.30		.00	.00	.00	26.25	55.00	395.80	3385.60	432.30	-861.40	1647

5082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 138

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP				TEMP					
OPEN	CLOSE	TIME	-G-	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
248:18:47: C:473	47:10:222	C: 9:749	28441-1	S		MAN	X	X	5	ML	6	X	H1	OK	OK
248:20: 4:41:493	4:51:992	C: 10:499	28441-2	S		MAN	X	X	5	ML	6	X	H1	OK	OK
248:20: 8:16:482	8:25:982	C: 9:500	28441-3	S		MAN	X	X	5	ML	6	X	H1	OK	OK
248:20:15:17:710	15:17:960	C: 10:250	28441-4	S		FLARE	X	4	5	ML	6	X	H1	OK	OK
248:20:15:18:210	15:19:271	C: 1:250	28441-5	S		FLARE	X	4	5	ML	6	X	H1	OK	OK
248:20:15:19:459	15:24:459	C: 5: 0	28441-6	S		FLARE	X	4	5	ML	6	X	H1	OK	OK
248:20:15:24:709	15:44:708	C: 19:999	28441-7	S		FLARE	X	4	5	ML	6	A	H1	OK	OK
248:20:15:44:958	15:45:206	C: 1:250	28441-8	S		FLARE	X	4	5	ML	6	A	H1	OK	OK
248:20:15:47:208	15:48:458	C: 1:250	28442-1	S		FLARE	X	X	5	ML	6	X	H1	OK	OK
248:20:15:48:708	15:53:708	C: 5: 0	28442-2	S		FLARE	X	X	5	ML	6	X	H1	OK	OK
248:20:15:53:958	16:13:958	C: 20: C	28442-3	S		FLARE	X	X	5	ML	6	X	H1	OK	OK
248:20:16:15:958	16:16:118	O: C:160	28442-4	L		FLARE	X	X	5	ML	6	X	H1	OK	OK
248:20:16:16:218	16:16:818	O: C:600	28442-5	L		FLARE	X	X	5	ML	6	X	H1	OK	OK
248:20:16:16:918	16:19:357	G: 2:439	28442-6	L		FLARE	X	X	5	ML	6	X	H1	OK	OK
248:20:16:19:457	16:29:457	C:10: 0	28442-7	L		FLARE	X	X	5	ML	6	X	H1	OK	OK
248:20:16:31:207	16:31:707	C: C:500	28442-8	S		FLARE	X	X	5	ML	6	X	H1	OK	OK
248:20:16:33:707	16:34:957	G: 1:250	28443-1	S		FLARE	X	4	5	ML	6	X	H1	OK	OK
248:20:16:35: 57	16:40: 57	O: 5: 0	28443-2	S		FLARE	X	4	5	ML	6	X	H1	OK	OK
248:20:16:4C:157	17: C:205	C:20: 48	28443-3	S		FLARE	X	4	5	ML	6	X	H1	OK	OK
248:20:17: C:455	17: C:705	C:20: 48	28443-4	S		FLARE	X	4	5	ML	6	X	H1	OK	OK

DATE 052275

PAGE 362

S082B-EDB

INSTRUMENT OPERATION  
PAGE 2- 138

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPE POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	(KM)	(KM)	
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	OPEN	OPEN	(AA)	(BB)	(CC)
28441-1	5460.00	-36.20	-6.30	.	.	.	26.25	55.00	395.40	4494.90	426.80	-2428.00	1647
28441-2	5530.00	402.50	477.50	.00	.00	.00	26.25	55.00	379.80	980.40	447.40	426.20	1648
28441-3	5530.00	402.50	477.50	.00	.00	.00	26.25	55.00	378.50	1739.10	442.50	372.20	1648
28441-4	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.10	3342.50	432.60	-811.20	1648
28441-5	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.10	3342.50	432.60	-811.20	1648
28441-6	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.10	3342.50	432.60	-811.20	1648
28441-7	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.10	3342.50	432.60	-811.20	1648
28441-8	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.10	3342.50	432.60	-811.20	1648
28442-1	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.10	3342.50	432.60	-811.20	1648
28442-2	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.10	3342.50	432.60	-811.20	1648
28442-3	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.10	3342.50	432.60	-811.20	1648
28442-4	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.00	3570.00	431.30	-1086.20	1648
28442-5	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.00	3570.00	431.30	-1086.20	1648
28442-6	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.00	3570.00	431.30	-1086.20	1648
28442-7	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.00	3570.00	431.30	-1086.20	1648
28442-8	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.00	3570.00	431.30	-1086.20	1648
28443-1	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.00	3570.00	431.30	-1086.20	1648
28443-2	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.00	3570.00	431.30	-1086.20	1648
28443-3	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	377.00	3570.00	431.30	-1086.20	1648
28443-4	5773.00	368.70	495.00	.00	.00	.00	26.25	55.00	376.90	3796.50	430.00	-1382.80	1648

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 139

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	TIME	-G*												
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
248:20:17: 0:955	17: 2:205	c: 1:250	28443-5	S	FLARE	X	4	5	ML	6	X	H1	OK		OK
248:20:17: 2:455	17: 7:455	c: 5: 0	28443-6	S	FLARE	X	4	5	ML	6	X	H1	OK		OK
248:20:17: 7:705	17:27:704	c: 19:999	28443-7	S	FLARE	X	4	5	ML	6	X	H1	OK		OK
248:20:17:29:404	17:29:564	c: 1:160	28443-8	L	FLARE	X	4	5	ML	6	X	H1	OK		OK
248:20:17:31:704	17:32:204	c: 1:500	28444-1	L	FLARE	X	4	5	ML	6	X	H1	OK		OK
248:20:17:32:454	17:34:954	c: 2:500	28444-2	L	FLARE	X	4	5	ML	6	X	H1	OK		OK
248:20:17:35:204	17:45:203	c: 9:999	28444-3	L	FLARE	X	4	5	ML	6	X	H1	OK		OK
248:20:17:46:953	17:46:203	c: 1:250	28444-4	S	FLARE	X	4	5	ML	6	X	H1	OK		OK
248:20:17:48:303	17:53:303	c: 5: 0	28444-5	S	FLARE	X	4	5	ML	6	X	H1	OK		OK
248:20:17:53:453	18:13:452	c: 19:999	28444-6	S	FLARE	X	4	5	ML	6	X	H1	OK		OK
248:20:18:13:702	19:14:696	1: 0:996	28444-7	S	FLARE	X	4	5	ML	6	X	H1	OK		OK
248:20:25: 0:930	25: 9:929	c: 8:999	28444-8	S	MAN	X	4	5	ML	6	X	H1	OK		OK
248:20:33:23: 4	33:32:170	c: 9:166	28445-1	S	MAN	X	4	5	ML	6	X	H1	OK		OK
248:20:41:13:986	41:23:152	c: 9:166	28445-2	S	MAN	X	4	5	ML	6	X	H1	OK		OK
248:21:38:34:358	38:43:858	c: 9:500	28445-3	S	MAN	X	4	5	GS	6	X	H1	OK		OK
248:21:45:34:608	45:43:858	c: 9:250	28445-4	S	MAN	X	4	5	ML	6	X	H1	OK		OK
248:21:55: 5:108	55:13:858	c: 8:750	28445-5	S	MAN	X	4	5	ML	6	X	H1	OK		OK
248:22: 2: 6:858	2:15:858	c: 9: 0	28445-6	S	MAN	X	4	5	ML	6	X	H1	OK		OK
248:22:14:34:358	14:43:858	c: 9:500	28445-7	S	MAN	X	X	5	ML	6	X	H1	OK		OK
248:23:48:22: 36	49: 1:617	c:39:581	28445-8	S	MAN	X	X	5	GS	6	X	H1	OK		OK

5082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 139

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(H)	ORBIT NO.
	(ARCMINS)			(ARCSEC)			(ARCMINS)		(ARCSEC)		(ARCMINS)		(KM)	(KM)	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY			GXB1	GYB1	-BETA-	-Z-			
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)			(Y)	(Z)	(AA)	(BB)	(CC)
28443-5	5773.00	368.70	495.00				.0		26.25	55.00	376.90	3796.50	430.00	-1382.80	1648
28443-6	5773.00	368.70	495.00	.00	.00	.00	.00		26.25	55.00	376.90	3796.50	430.00	-1382.80	1648
28443-7	5773.00	368.70	495.00	.00	.00	.00	.00		26.25	55.00	376.90	3796.50	430.00	-1382.80	1648
28443-8	5773.00	368.70	495.00	.00	.00	.00	.00		26.25	55.00	376.90	3796.50	430.00	-1382.80	1648
28444-1	5773.00	368.70	495.00	.00	.00	.00	.00		26.25	55.00	376.90	3796.50	430.00	-1382.80	1648
28444-2	5773.00	368.70	495.00	.00	.00	.00	.00		26.25	55.00	376.90	3796.50	430.00	-1382.80	1648
28444-3	5773.00	368.70	495.00	.00	.00	.00	.00		26.25	55.00	376.90	3796.50	430.00	-1382.80	1648
28444-4	5773.00	368.70	495.00	.00	.00	.00	.00		26.25	55.00	376.90	3796.50	430.00	-1382.80	1648
28444-5	5773.00	368.70	495.00	.00	.00	.00	.00		26.25	55.00	376.90	3796.50	430.00	-1382.80	1648
28444-6	5773.00	368.70	495.00	.00	.00	.00	.00		26.25	55.00	376.90	3796.50	430.00	-1382.80	1648
28444-7	5773.00	368.70	495.00	.00	.00	.00	.00		26.25	55.00	376.80	4021.10	428.90	-1698.60	1648
28444-8	5773.00	368.70	495.00	.00	.00	.00	.00		26.25	55.00	376.40	4918.20	424.10	-3146.00	1648
28445-1	5774.00	368.70	495.00	.00	.00	.00	.00		26.25	55.00	375.70	3205.90	426.00	-674.90	1648
28445-2	5775.00	368.70	495.00	.00	.00	.00	.00		26.25	55.00	373.80	1367.60	432.10	426.70	1649
28445-3	-1726.00	186.20	-455.00	.00	.00	.00	.00		26.25	55.00	360.70	1136.70	446.60	442.90	1649
28445-4	-1726.00	186.20	-455.00	.00	.00	.00	.00		26.25	55.00	358.80	2612.00	437.20	-99.80	1649
28445-5	-1725.00	186.20	-455.00	.00	.00	.00	.00		26.25	55.00	357.80	4830.40	425.70	-2989.60	1649
28445-6	-1725.00	186.20	-455.00	.00	.00	.00	.00		26.25	55.00	357.40	4162.20	424.30	-1917.80	1649
28445-7	-1724.00	192.50	-446.20	.00	.00	.00	.00		26.25	55.00	355.00	1415.40	431.90	422.10	1649
28445-8	-3499.00	-78.70	-516.70	.00	.00	.00	.00		26.25	55.00	336.00	1147.70	432.50	430.40	1650

DATE 052275 PAGE 365

SC82B-EUB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 140

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRRS)		OP EXP						TEMP			
OPEN	CLOSE	EXPOSURE TIME	-G-	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
248:23:50:39:108	50:48:608	0: 9:500	28446-1	S		MAN	X	4	5	GS	6	X	H1	OK	OK
249: 2:17:50:359	18: 7:609	0: 9:250	28446-2	S		MAN	X	X	5	ML	6	X	H1	OK	OK
249:13:43:29:208	43:38:708	0: 9:500	28446-3	S		MAN	X	X	5	MA	6	X	H1	OK	OK
249:13:43:59:208	44:38:708	0:39:500	28446-4	S		MAN	X	X	5	MA	6	X	H1	OK	OK
249:13:44:56:208	47:35:708	2:39:500	28446-5	S		MAN	X	X	5	MA	6	X	H1	OK	OK
249:15:23: 2:708	23:12:458	0: 9:750	28446-6	S		MAN	X	X	5	ML	6	X	H1	OK	OK
249:16:11:36:458	12:16:458	0:40: 0	28446-7	S		MAN	X	4	5	MA	6	X	H1	OK	OK
249:16:20:18:708	22:58:458	2:39:750	28446-6	S		MAN	X	X	5	MA	6	X	H1	OK	XX
249:16:25:46:208	26:25:458	0:39:250	28447-1	S		MAN	X	4	5	MA	6	X	H1	OK	OK
249:16:26:40:708	29:20:458	2:39:750	28447-2	S		MAN	X	4	5	MA	6	X	H1	OK	OK
249:16:32:23:708	33: 3:458	0:39:750	28447-3	S		MAN	X	4	5	MA	6	X	H1	OK	OK
249:16:38:57:483	41:37: 58	2:39:575	28447-4	S		MAN	X	4	5	MA	6	X	H1	OK	OK
249:16:42:52:972	43:32:137	0:39:165	28447-5	S		MAN	X	4	5	G3	6	X	H1	OK	OK
249:16:43:52:552	46:32:208	2:39:656	28447-6	S		MAN	X	4	5	MA	6	X	H1	OK	OK
249:16:50:41:617	51:21:208	0:39:591	28447-7	S		MAN	X	4	5	MA	6	X	H1	OK	OK
249:16:51:32:611	54:12:104	2:39:493	28447-8	S		MAN	X	4	5	MA	6	X	H1	OK	OK
249:17:46:36:458	47:16:208	0:39:750	28448-1	S		MAN	X	4	5	MA	6	X	H1	OK	OK
249:17:48: 4:958	50:44:208	2:39:250	28448-2	S		MAN	X	4	5	MA	6	X	H1	OK	OK
249:17:52:26:958	53: 6:208	0:39:250	28448-3	S		MAN	X	4	5	ML	6	X	H1	OK	OK
249:17:54:10:958	56:50:208	2:39:250	28448-4	S		MAN	X	4	5	ML	6	X	H1	OK	OK

SD828-EDB

INSTRUMENT OPERATION  
PAGE 2 - 140

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	(KM)	(KM)		
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)	
28446-1	-3499.00	-76.70	-518.70				.00	26.25	55.00	335.40	621.40	433.80	326.10 1650	
28446-2	-1622.00	-548.70	7.50		.00	.00	.00	26.25	55.00	25.00	55.00	304.80	1091.40 447.20 439.80 1652	
28446-3	41.00	26.20	555.00		.00	.00	.00	25.00	55.00	26.25	55.00	169.30	2120.70 429.80 201.60 1659	
28446-4	41.00	51.20	555.00		.00	.00	.00	26.25	55.00	26.25	55.00	169.00	2120.70 429.80 201.60 1659	
28446-5	41.00	42.50	555.00		.00	50.00	.00	26.25	55.00	26.25	55.00	168.70	1889.10 430.50 305.40 1659	
28446-6	-446.00	-482.50	-192.50		.00	76.25	.00	.00	26.25	55.00	26.25	55.00	148.30	547.70 434.50 299.00 1660
28446-7	-3551.00	171.20	76.20		.00	.00	.00	26.25	55.00	26.25	55.00	138.50	2.00 451.00 69.30 1660	
28446-8	-3551.00	171.20	76.20		.33	.00	.00	26.25	55.00	26.25	55.00	135.50	1835.30 441.30 340.50 1660	
28447-1	-3550.00	171.20	76.20		.33	.00	.00	26.25	55.00	26.25	55.00	134.50	2992.70 434.10 -438.20 1660	
28447-2	-3551.00	171.20	76.20		.00	.00	.00	26.25	55.00	26.25	55.00	134.30	3224.50 432.70 -679.60 1660	
28447-3	-3551.00	171.20	76.20		.00	.00	.00	26.25	55.00	26.25	55.00	133.80	4613.50 426.20 -2623.00 1661	
28447-4	-3551.00	171.20	76.20		.00	.00	.00	26.25	55.00	26.25	55.00	133.60	4762.80 423.90 -2879.30 1661	
28447-5	-3549.00	171.20	76.20		.00	.00	.00	26.25	55.00	26.25	55.00	133.30	3839.20 424.90 -1454.10 1661	
28447-6	-3549.00	171.20	76.20		.00	.00	.00	26.25	55.00	26.25	55.00	133.10	3607.20 425.30 -1147.50 1661	
28447-7	-3549.00	175.00	76.20		.00	.00	.00	26.25	55.00	26.25	55.00	131.70	1983.50 430.30 266.90 1661	
28447-8	-3549.00	175.00	76.20		.00	.00	.00	26.25	55.00	26.25	55.00	131.40	1751.80 431.00 352.70 1661	
28448-1	-1169.00	131.20	176.20		.00	.00	.00	26.25	55.00	26.25	55.00	119.20	174.00 449.70 115.20 1661	
28448-2	-1169.00	131.20	176.20		.00	.00	.00	26.25	55.00	26.25	55.00	118.50	634.80 447.90 338.10 1661	
28448-3	-1169.00	131.20	176.20		.00	.00	.00	26.25	55.00	26.25	55.00	117.20	1557.80 443.00 414.90 1661	
28448-4	-1169.00	131.20	176.20		.00	.00	.00	26.25	55.00	26.25	55.00	116.70	2020.10 440.20 266.20 1661	

DATE 052275

PAGE 367

5082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 141

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	TIME	-G8	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
249:18: 1:27:708	2: 7:208	0:39:500	28448-5	S		MAN	X	4	5	ML	6	X	H1	OK	OK
249:18: 3: 6:958	5:48:208	2:39:250	28448-6	S		MAN	X	4	5	ML	6	X	H1	OK	OK
249:18: 6:33:208	9:12:208	0:39: C	28448-7	S		MAN	X	4	5	ML	6	X	H1	OK	OK
249:18: 9:22:708	12: 1:882	2:39:174	28448-8	S		MAN	X	4	5	ML	6	X	H1	OK	OK
249:18:17:27:199	18: 6:865	0:39:666	28449-1	S		MAN	X	4	5	ML	6	X	H1	OK	OK
249:18:18:21:531	21: 0:855	2:39:324	28449-2	S		MAN	X	4	5	ML	6	X	H1	OK	OK
249:18:22:53:269	23:32:851	0:39:582	28449-3	S		MAN	X	4	5	MA	6	X	H1	OK	OK
249:18:23:49:684	26:28:757	2:39: 73	28449-4	S		MAN	X	4	5	MA	6	X	H1	OK	OK
249:23: 8:51: 7	12:50:105	3:59: 98	28449-5	S	LMB PT	MAN	X	4	5	MA	6	X	H1	OK	OK
250: 0:31:51:879	36:50:867	4:58:988	28449-6	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
250: 0:36:59:782	41:58:758	4:58:976	28449-7	S	LMB PT	MAN	X	4	5	G3	6	X	H1	OK	OK
250: 0:42:47:758	47:46:834	4:59: 76	28449-8	S	LMB PT	MAN	X	4	5	G3	6	X	H1	OK	OK
250:12:21:43:308	21:43:808	0: 0:500	28450-1	S		FLARE	X	4	5	GS	6	X	H1	OK	OK
250:12:21:44: 58	21:45:308	1: 0:250	28450-2	S		FLARE	X	4	5	GS	6	X	H1	OK	OK
250:12:21:45:558	21:50:558	0: 5: 0	28450-3	S		FLARE	X	4	5	GS	6	X	H1	OK	OK
250:12:21:50:658	22:10:658	0:20: 0	28450-4	S		FLARE	X	4	5	GS	6	X	H1	OK	OK
250:12:22:10:868	22:11: 58	0: 0:250	28450-5	S		FLARE	X	4	5	GS	6	X	H1	OK	OK
250:12:22:11:308	22:12:558	0: 1:250	28450-6	S		FLARE	X	4	5	GS	6	X	H1	OK	OK
250:12:22:12:868	22:17:808	0: 5: 0	28450-7	S		FLARE	X	4	5	GS	6	X	H1	OK	OK
250:12:22:18: 56	22:38: 58	0:20: 0	28450-8	S		FLARE	X	4	5	ML	6	X	H1	OK	OK

DATE 052275

PAGE 368

S082B-EDB

INSTRUMENT OPERATION

5-22-75 AT 2 HOURS 55 MINS 48 SECS

PAGE 2- 141

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.				
	(ARCMINS)		(ARCSEC)		(ARCMINS)		(ARCSEC)		GXB1	GYB1	(ARCMINS)	(KM)	(KM)				
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY			-BETA-	-Z-	OPEN	OPEN					
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)			(Y)	(Z)	(AA)	(BB)	(CC)		
2B448-5	-1169.00	131.20	176.20				.00		26.25	55.00	115.50	3642.60	430.40	-1180.00	1661		
2B448-6	-1169.00	131.20	176.20	.00	.00	.00	.00	.00	26.25	55.00	115.30	4106.70	428.10	-1825.00	1661		
2B448-7	-1169.00	131.20	176.20	.00	.00	.00	.00	.00	26.25	55.00	115.10	5232.20	424.50	-3704.30	1661		
2B448-8	-1169.00	131.20	176.20	.00	.00	.00	.00	.00	26.25	55.00	115.00	5241.80	424.20	-3722.60	1661		
2B449-1	-1169.00	137.50	176.20						26.25	55.00	114.40	3423.10	425.80	-921.00	1662		
2B449-2	-1169.00	137.50	176.20	.00	.00	.00	.00	.00	26.25	55.00	114.20	3190.90	426.50	-657.70	1662		
2B449-3	-1169.00	137.50	176.20	.00	.00	.00	.00	.00	26.25	55.00	113.30	2262.70	429.40	123.10	1662		
2B449-4	-1169.00	137.50	176.20	.00	.00	.00	.00	.00	26.25	55.00	113.10	2030.90	430.20	245.60	1662		
2B449-5	-1421.00	992.50	55.00					20.0			26.25	55.00	55.30	585.70	433.80	313.20	1664
2B449-6	-716.00	980.00	55.00	.00	.00	.00	.00	.00	26.25	55.00	39.60	3148.50	426.60	-612.30	1665		
2B449-7	-716.00	980.00	55.00	.00	.00	.00	.00	.00	26.25	55.00	38.40	1987.60	430.30	265.10	1665		
2B449-8	-716.00	985.00	55.00					12.0			26.25	55.00	36.40	413.50	434.20	241.10	1665
2B450-1	-2263.00	318.70	-633.70	.00	.00	.00	.00	.00	26.25	55.00	-103.20	-442.70	451.70	395.20	1672		
2B450-2	-2263.00	318.70	-633.70	.00	.00	.00	.00	.00	26.25	55.00	-103.20	-423.50	451.70	400.00	1672		
2B450-3	-2263.00	318.70	-633.70	.00	.00	.00	.00	.00	26.25	55.00	-102.90	-446.30	451.90	394.40	1672		
2B450-4	-2263.00	318.70	-633.70	.00	.00	.00	.00	.00	26.25	55.00	-102.90	-446.30	451.90	394.40	1672		
2B450-5	-2263.00	318.70	-633.70	.00	.00	.00	.00	.00	26.25	55.00	-103.20	-343.60	451.40	417.30	1672		
2B450-6	-2263.00	318.70	-633.70	.00	.00	.00	.00	.00	26.25	55.00	-103.20	-341.70	451.40	417.70	1672		
2B450-7	-2263.00	318.70	-633.70	.00	.00	.00	.00	.00	26.25	55.00	-103.20	-336.00	451.40	418.80	1672		
2B450-8	-2263.00	318.70	-633.70	.00	.00	.00	.00	.00	26.25	55.00	-103.20	-315.80	451.40	422.60	1672		

DATE 052275

PAGE 369

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 142

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	UP EXP								TEMP				
OPEN	CLOSE	TIME	-G-		(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
250:12:22:40:308	22:40:464	0: 0:156	28451-1	L	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:22:40:558	22:41:183	0: 0:625	28451-2	L	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:22:41:308	22:43:656	0: 2:350	28451-3	L	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:22:43:808	22:53:808	0:10: 0	28451-4	L	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:22:55:808	22:56:120	0: 0:312	28451-5	S	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:22:56:208	22:57:458	0: 1:200	28451-6	S	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:22:57:558	23: 2:558	0: 5: 0	28451-7	S	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:23: 2:808	23:22:808	0:20: 0	28451-8	S	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:23:24:608	23:25: 58	0: 0:250	28452-1	S	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:23:25:308	23:26:558	0: 1:250	28452-2	S	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:23:26:808	23:31:808	0: 5: 0	28452-3	S	FLARE	X	4	5	ML	6	A	H1	OK				OK
250:12:23:32: 58	23:52: 58	0:20: 0	28452-4	S	FLARE	X	4	5	ML	6	A	H1	OK				OK
250:12:23:54: 58	23:54:214	0: 0:156	28452-5	L	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:23:54:415	23:55: 40	0: 0:625	28452-6	L	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:23:55:200	23:57:456	0: 2:258	28452-7	L	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:23:57:558	24: 7:558	0:10: 2	28452-8	L	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:24: 9:558	24:10:808	0: 1:250	28453-1	S	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:24:11: 58	24:16: 58	0: 5: 0	28453-2	S	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:24:16:308	24:36:308	0:20: 0	28453-3	S	FLARE	X	4	5	ML	6	X	H1	OK				OK
250:12:24:36:558	25:56:583	1:20: 25	28453-4	S	FLARE	X	4	5	ML	6	A	H1	OK				OK

DATE 052275

PAGE 370

SG82B-EDB  
 INSTRUMENT OPERATION  
 PAGE 2- 142

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
	(ARCMINS)			(ARCSEC)				(ARCSEC)										
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	-BETA-	-Z-							
										OPEN	OPEN							
28451-1	-2263.00	318.70	-633.70				.0	26.25	55.00	-103.20	-230.40	451.40	436.10	1672				
28451-2	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	451.90	436.10	1672				
28451-3	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	451.40	436.60	1672				
28451-4	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	26.25	55.00	451.40	437.80	1672				
28451-5	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	451.40	443.00	1672				
28451-6	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	451.40	443.00	1672				
28451-7	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	26.25	55.00	451.40	443.60	1672				
28451-8	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-103.60	-144.10	450.70				
28452-1	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-103.60	-59.70	450.70				
28452-2	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-103.60	-57.80	450.70				
28452-3	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-103.60	-52.00	450.70				
28452-4	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-103.60	-31.80	450.70				
28452-5	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-103.60	52.60	450.70				
28452-6	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-103.60	52.60	450.70				
28452-7	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-103.60	56.20	450.70				
28452-8	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-103.60	66.00	450.70				
28453-1	-2263.00	318.70	-633.70	.00	.30	.00	.00	26.25	55.00	26.25	55.00	-104.00	112.10	449.90				
28453-2	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-104.00	117.90	449.90				
28453-3	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-104.00	138.00	449.90				
28453-4	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-104.00	215.80	449.90				

DATE 052275

PAGE 371

S082B-EDB

INSTRUMENT OPERATION  
PAGE 1 - 143

5-22-75 AT 2 HOURS 55 MINS 48 SECS

----- SHUTTER -----		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP -----								TEMP			
OPEN	CLOSE	TIME	EXPOSURE -G+												OP	CL
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	
250:12:25:58:416	25:58:583	0: 0:167	28453-5	L	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:25:58:750	25:59:416	0: 0:666	28453-6	L	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:25:59:583	26: 2: 83	0: 2:500	28453-7	L	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:26: 2:250	26:12:249	0: 9:999	28453-8	L	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:28:11:408	28:12:574	0: 1:166	28454-1	S	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:28:12:824	28:17:824	0: 5: 0	28454-2	S	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:28:17:991	28:38: 72	0:20: 81	28454-3	S	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:28:36:239	29:58:401	1:20:162	28454-4	S	FLARE	X	4	5	ML	6	A	H1	OK		OK	
250:12:30: 0:151	30: 0:316	0: 0:165	28454-5	L	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:30: 0:566	30: 1:150	0: 0:584	28454-6	L	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:30: 1:316	32: 3:816	0: 2:500	28454-7	L	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:30: 3:983	32:13:983	0:10: 0	28454-8	L	FLARE	X	4	5	ML	6	A	H1	OK		OK	
250:12:32:12:394	32:13:561	0: 1:167	28455-1	S	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:32:13:811	32:18:811	0: 5: 0	28455-2	S	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:32:18:978	32:39: 61	0:20: 83	28455-3	S	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:32:39:228	33:59:392	1:20:164	28455-4	S	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:34: 1:142	34: 1:309	0: 0:167	28455-5	L	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:34: 1:559	34: 2:142	0: 0:583	28455-6	L	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:34: 2:309	34: 4:809	0: 2:500	28455-7	L	FLARE	X	4	5	ML	6	X	H1	OK		OK	
250:12:34: 4:976	34:14:976	0:10: 0	28455-8	L	FLARE	X	4	5	ML	6	X	H1	OK		OK	

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 143

FRAME COUNT	----- EPE POINT -----		---- MAX PT EXC ----		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.	
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCSEC)	(ARCSEC)	(ARCMINS)	(KM)	(KM)	(KM)	(KM)	
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA- OPEN	-Z- OPEN	(AA)	(BB)	(CC)	
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)	
28453-5	-2263.00	318.70	-633.70				.0	26.25	55.00	-104.30	530.20	449.10	298.40	1673
28453-6	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-104.30	531.40	449.10	298.90	1673
28453-7	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-104.30	534.60	449.10	300.20	1673
28453-8	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-104.70	544.90	448.10	304.00	1673
28454-1	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-105.30	1041.40	445.70	433.20	1673
28454-2	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-105.30	1046.80	445.70	433.90	1673
28454-3	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-105.30	1066.70	445.70	436.10	1673
28454-4	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-105.30	1144.60	445.70	442.60	1673
28454-5	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-105.90	1459.30	443.10	430.00	1673
28454-6	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-105.90	1459.30	443.10	430.00	1673
28454-7	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-105.90	1459.30	443.10	430.00	1673
28454-8	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-105.90	1459.30	443.10	430.00	1673
28455-1	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-106.40	1921.70	440.20	307.40	1673
28455-2	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-106.40	1921.70	440.20	307.40	1673
28455-3	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-106.40	1921.70	440.20	307.40	1673
28455-4	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-106.40	1921.70	440.20	307.40	1673
28455-5	-2262.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-106.90	2384.70	437.30	61.80	1673
28455-6	-2262.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-106.90	2384.70	437.30	61.80	1673
28455-7	-2262.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-106.90	2384.70	437.30	61.80	1673
28455-8	-2262.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-106.90	2384.70	437.30	61.80	1673

DATE 052275

PAGE 373

5082B-EDB  
INSTRUMENT OPERATION  
PAGE 1 - 144

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER			FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP				TEMP					
EXPOSURE				-G-								OP	CL			
OPEN	CLOSE	TIME			(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	
250:12:37:48:558	37:48:808	D: 0:250	28456-1	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:37:49: 58	37:50:308	D: 1:250	28456-2	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:37:50:498	37:55:308	D: 4:950	28456-3	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:37:55:558	38:15:467	D: 17:909	28456-4	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:38:15:717	38:15:967	D: 2:250	28456-5	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:38:16:217	38:17:467	D: 1:250	28456-6	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:38:17:633	38:22:633	D: 5: 0	28456-7	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:38:22:799	38:42:798	D: 19:999	28456-8	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:38:44:881	38:45: 48	D: D:167	28457-1	L	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:38:45:215	38:45:798	D: 2:583	28457-2	L	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:38:46: 48	38:48:464	D: 2:416	28457-3	L	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:38:48:714	38:58:714	D:13: 0	28457-4	L	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:39: 0:546	39: 0:796	D: 0:250	28457-5	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:39: 1: 46	39: 2:296	D: 1:250	28457-6	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:39: 2:463	39: 7:463	D: 5: 0	28457-7	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:39: 7:629	39:27:712	D:20: 83	28457-8	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:39:29:712	39:30: 45	D: 0:333	28458-1	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:39:30:212	39:31:462	D: 1:250	28458-2	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:39:31:712	39:36:711	D: 4:999	28458-3	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:39:36:877	39:56:876	D:19:999	28458-4	S	FLARE	X	4	5	ML	6	X	H1	OK			

SC828-ED8  
INSTRUMENT OPERATION  
PAGE 2- 144

5-22-75 AT 2 HOURS 55 MINS 40 SECS

FRAME COUNT (ARCMINS)	EPE POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.
	GAMRR	GAMX	GAMY	(ARCMINS)	(ARCMINS)	(ARCSEC)		(ARCSEC)	GYB1				
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	-BETA- OPEN	-Z- OPEN		
28456-1	-2262.00	318.70	-633.70				.0		26.25 55.00	-107.40	3080.30	433.00	-527.50 1673
28456-2	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.40	3080.30	433.00	-527.50 1673
28456-3	-2263.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.40	3080.30	433.00	-527.50 1673
28456-4	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.40	3080.30	433.00	-527.50 1673
28456-5	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.50	3312.40	431.70	-779.20 1673
28456-6	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.50	3312.40	431.70	-779.20 1673
28456-7	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.50	3312.40	431.70	-779.20 1673
28456-8	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.50	3312.40	431.70	-779.20 1673
28457-1	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.50	3312.40	431.70	-779.20 1673
28457-2	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.50	3312.40	431.70	-779.20 1673
28457-3	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.50	3312.40	431.70	-779.20 1673
28457-4	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.50	3312.40	431.70	-779.20 1673
28457-5	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.60	3544.60	430.40	-1056.60 1673
28457-6	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.60	3544.60	430.40	-1056.60 1673
28457-7	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.60	3544.60	430.40	-1056.60 1673
28457-8	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.60	3544.60	430.40	-1056.60 1673
28458-1	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.60	3544.60	430.40	-1056.60 1673
28458-2	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.60	3544.60	430.40	-1056.60 1673
28458-3	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.60	3544.60	430.40	-1056.60 1673
28458-4	-2262.00	318.70	-633.70	.00	.00	.00	.00		26.25 55.00	-107.60	3544.60	430.40	-1056.60 1673

5082B-EDB  
INSTRUMENT OPERATION  
PAGE 1- 145

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-VAL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	TIME	-G-	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
250:12:39:58:626	39:58:793	0: 0:167	28458-5	L	FLARE	X	4	5	ML	6	X	H1	OK		OK
250:12:39:59: 43	39:59:626	0: 0:583	28458-6	L	FLARE	X	4	5	ML	6	X	H1	OK		OK
250:12:39:59:793	40: 2:292	0: 2:499	28458-7	L	FLARE	X	4	5	ML	6	A	H1	OK		OK
250:12:40: 2:459	40:12:459	0:10: 0	28458-8	L	FLARE	X	4	5	ML	6	A	H1	OK		OK
250:12:40:14:441	40:15:625	0: 1:184	28459-1	S	FLARE	X	4	5	ML	6	A	H1	OK		OK
250:12:40:15:791	40:23:791	0: 5: 0	28459-2	S	FLARE	X	4	5	ML	6	A	H1	OK		OK
250:12:40:20:941	40:41: 58	0:20:117	28459-3	S	FLARE	X	4	5	ML	6	A	H1	OK		OK
250:12:40:41:208	42: 1:308	1:20:100	28459-4	S	FLARE	X	4	5	ML	6	A	H1	OK		OK
250:12:42: 2:808	42: 2:968	0: 0:169	28459-5	L	FLARE	X	4	5	ML	6	A	H1	OK		OK
250:12:42: 3:216	42: 3:866	0: 0:650	28459-6	L	FLARE	X	4	5	ML	6	A	H1	OK		OK
250:12:42: 4: 32	42: 6:558	0: 2:526	28459-7	L	FLARE	X	4	5	ML	6	X	H1	OK		OK
250:12:42: 6:808	42:16:808	0:10: 0	28459-8	L	FLARE	X	4	5	ML	6	X	H1	OK		OK
250:12:44:15:308	44:16:558	0: 1:250	28460-1	S	FLARE	X	4	5	ML	6	A	H1	OK		OK
250:12:44:16:808	44:21:808	0: 5: 0	28460-2	S	FLARE	X	4	5	ML	6	A	H1	OK		OK
250:12:44:22: 58	44:42: 58	0:20: 0	28460-3	S	FLARE	X	4	5	ML	6	A	H1	OK		OK
250:12:44:42:308	46: 1:944	1:19:636	28460-4	S	FLARE	X	4	5	ML	6	X	H1	OK		OK
250:12:46: 3:611	46: 3:776	0: 0:165	28460-5	L	FLARE	X	4	5	ML	6	X	H1	OK		OK
250:12:46: 4: 36	46: 4:686	0: 0:650	28460-6	L	FLARE	X	4	5	ML	6	X	H1	OK		OK
250:12:46: 4:852	46: 7:361	0: 2:509	28460-7	L	FLARE	X	4	5	ML	6	X	H1	OK		OK
250:12:46: 7:527	46:17:526	0: 9:999	28460-8	L	FLARE	X	4	5	ML	6	X	H1	OK		OK

DATE 052275

PAGE 376

5082B-ED8

INSTRUMENT OPERATION  
PAGE 2- 145

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPC POINT			MAX PT EXC			LIMB OFF (ARCMIN)	--NRL BIAS-- (ARCSEC)		ANGLE (ARCMIN)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)					
28458-5	-2262.00	318.70	-633.70				.0	26.25	55.00	-107.60	3544.60	430.40	-1056.60	1673				
28458-6	-2262.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-107.60	3544.60	430.40	-1056.60	1673				
28458-7	-2262.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-107.60	3544.60	430.40	-1056.60	1673				
28458-8	-2262.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-107.70	3776.80	429.30	-1358.40	1673				
28459-1	-2262.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-107.70	3776.80	429.30	-1358.40	1673				
28459-2	-2262.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-107.70	3776.80	429.30	-1358.40	1673				
28459-3	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-107.70	3777.00	429.30	394.40	1673				
28459-4	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-107.80	4009.00	428.20	394.40	1673				
28459-5	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-107.90	4241.00	427.30	394.40	1673				
28459-6	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-107.90	4241.00	427.30	394.40	1673				
28459-7	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-107.90	4241.00	427.30	394.40	1673				
28459-8	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-107.90	4241.00	427.30	394.40	1673				
28460-1	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-108.00	4703.00	425.70	394.40	1673				
28460-2	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-108.00	4703.00	425.70	394.40	1673				
28460-3	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-108.00	4703.00	425.70	394.40	1673				
28460-4	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-108.00	4932.00	425.10	394.40	1673				
28460-5	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-108.00	5153.00	424.60	394.40	1673				
28460-6	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-108.00	5153.00	424.60	394.40	1673				
28460-7	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-108.00	5153.00	424.60	394.40	1673				
28460-8	-2263.00	318.70	-633.70	.00	.00	.00	.00	26.25	55.00	-108.00	5153.00	424.60	394.40	1673				

DATE 052275

PAGE 377

S0828-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1- 146

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								OP CL			
		EXPOSURE														
OPEN	CLOSE	TIME	-G-		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	
250:12:48:16:270	48:17:360	0: 1:100	28461-1	S	FLARE	X	4	5	ML	6	X	H1	OK			
250:12:48:17:520	48:22:520	0: 5: 0	28461-2	S	FLARE	X	4	5	ML	6	X	H1	OK			OK
250:12:48:22:687	48:42:768	0:20: 81	28461-3	S	FLARE	X	4	5	ML	6	X	H1	OK			OK
250:12:48:42:935	50: 2:930	1:19:995	28461-4	S	FLARE	X	4	5	ML	6	A	H1	OK			OK
250:12:50: 4:596	50: 4:756	0: 0:160	28461-5	L	FLARE	X	4	5	ML	6	X	H1	OK			OK
250:12:50: 4:906	50: 5:580	0: 0:674	28461-6	L	FLARE	X	4	5	ML	6	X	H1	OK			OK
250:12:50: 5:846	50: 8:346	0: 2:500	28461-7	L	FLARE	X	4	5	ML	6	X	H1	OK			OK
250:12:50: 8:513	50:18:512	0: 9:999	28461-8	L	FLARE	X	4	5	ML	6	X	H1	OK			OK
250:12:59:53:808	0: 3:308	0: 9:500	28462-1	S	FLARE	X	4	5	ML	6	X	H1	OK			OK
250:13: 3:53:308	4: 2:558	0: 9:250	28462-2	S	FLARE	X	4	5	ML	6	A	H1	OK			OK
250:13:59:37:558	59:47: 58	0: 9:500	28462-3	S	MAN	X	4	5	ML	6	X	H1	OK			OK
250:14:10:58:283	11: 7:949	0: 9:666	28462-4	S	MAN	X	4	5	MA	6	X	H1	OK			OK
250:14:21:46:336	21:55:920	0: 9:584	28462-5	S	MAN	X	4	5	MA	6	X	H1	OK			OK
250:14:31: 0:390	31: 9:890	0: 0:500	28462-6	S	MAN	X	X	5	MA	6	X	H1	OK			OK
250:19:13:39:832	14:19:160	0:39:328	28462-7	S	MAN	X	X	5	MA	6	X	H1	OK			OK
250:19:14:38:993	17:18:307	2:39:314	28462-8	S	MAN	X	X	5	MA	6	X	H1	OK			OK
251: 2:31:32:740	32:12: 70	0:39:330	28463-1	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK
251: 2:32:54:900	32:55:150	0: 0:250	28463-2	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK
251: 2:37:43:720	38:23: 52	0:39:332	28463-3	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK
251: 2:38:37:468	38:38: 52	0: 0:584	28463-4	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK

DATE 052275

PAGE 378

5082B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 146

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPE POINT			MAX PT EXC			LIMB OFF (ARCSEC)	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
								-BETA-										
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)				
28461-1	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-102.90	-446.30	451.90	394.40	1673				
28461-2	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-102.90	-446.30	451.90	394.40	1673				
28461-3	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-102.90	-446.30	451.90	394.40	1673				
28461-4	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-102.90	-446.30	451.90	394.40	1673				
28461-5	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-102.90	-446.30	451.90	394.40	1673				
28461-6	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-102.90	-446.30	451.90	394.40	1673				
28461-7	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-102.90	-446.30	451.90	394.40	1673				
28461-8	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-102.90	-446.30	451.90	394.40	1673				
28462-1	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-102.90	-446.30	451.90	394.40	1673				
28462-2	-2263.00	318.70	-633.70	.00	.00	.00	.0	26.25	55.00	-102.90	-446.30	451.90	394.40	1673				
28462-3	-1126.00	523.70	-457.50	.00	.00	.00	.0	26.25	55.00	-123.00	633.80	448.10	337.90	1673				
28462-4	-1126.00	523.70	-457.50	.00	.00	.00	.0	26.25	55.00	-125.80	3032.80	433.10	-479.70	1674				
28462-5	-1126.00	523.70	-457.50	.00	.00	.00	.0	26.25	55.00	-126.50	5164.20	424.00	-3582.50	1674				
28462-6	-1125.00	523.70	-457.50	.00	.00	.00	.0	26.25	55.00	-127.70	2871.30	427.70	-2584.90	1674				
28462-7	-2333.50	343.80	8.80	.00	.00	1.25	.0	26.25	55.00	-183.80	2314.90	429.60	92.00	1677				
28462-8	-2333.50	343.80	8.80	.00	.00	.00	.0	26.25	55.00	-184.00	2083.50	430.30	221.00	1677				
28463-1	-964.00	972.50	55.00	.00	.00	.00	-4.0	26.25	55.00	-272.70	1956.80	439.50	292.30	1681				
28463-2	-964.00	972.50	55.00	.00	.00	.00	-4.0	26.25	55.00	-272.90	2187.50	438.00	180.30	1681				
28463-3	-964.00	976.20	55.00	.00	.00	.00	.0	26.25	55.00	-273.70	3340.40	431.00	-812.40	1681				
28463-4	-964.00	976.20	55.00	.00	.00	.00	-1.0	26.25	55.00	-273.80	3570.40	429.80	-1090.10	1681				

DATE 052275

PAGE 379

S082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 1- 147

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP								TEMP		
OPEN	CLOSE	TIME	EXPOSURE -G*												OP	CL
			(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
251: 2:43: 9:791	45:49: 30	2:39:239	28463-5	S	LMB	PT	MAN	X	X	5	G3	6	X	H1	OK	OK
251: 2:46: 1:696	48:41: 20	2:39:324	28463-6	L	LMB	PT	MAN	X	X	5	G3	6	X	H1	OK	OK
251: 2:49:48:434	52:28: 13	2:39:579	28463-7	S	LMB	PT	MAN	X	X	5	G3	6	X	H1	OK	OK
251: 2:52:43:929	55:23:129	2:39:180	28463-8	L	LMB	PT	MAN	X	X	5	G3	6	X	H1	OK	OK
251: 2:56: 2:109	59:31:109	3:29: 0	28464-1	S	LMB	PT	MAN	X	X	5	G3	6	X	H1	OK	OK
251: 2:59:46:859	3:10:109	3:29:253	28464-2	L	LMB	PT	MAN	X	X	5	G3	6	X	H1	OK	OK
251: 3: 3:49:109	8:47:967	4:58:858	28464-3	S	LMB	PT	MAN	X	X	5	G3	6	X	H1	OK	OK
251: 3: 8:55:299	11:24:957	2:29:658	28464-4	L	LMB	PT	MAN	X	X	5	G3	6	X	H1	OK	OK
251:13:55:49:358	55:56:358	0: 9: 0	28464-5	S			MAN	X	X	5	MA	6	X	H1	OK	OK
251:13:56: 5:358	56:44:358	0:39: 0	28464-6	S			MAN	X	X	5	MA	6	X	H1	OK	OK
251:21:26: 5: 66	26:43:981	0:38:915	28464-7	S			MAN	X	X	5	MA	6	X	H1	OK	OK
251:21:27:28:812	30: 7:970	2:39:158	28464-8	S			MAN	X	X	5	MA	6	X	H1	OK	OK
251:21:32:58:791	33: 7:958	0: 9:167	28465-1	S			MAN	X	X	5	MA	6	X	H1	OK	OK
251:21:33:26:207	34: 5:955	0:39:748	28465-2	S			MAN	X	X	5	MA	6	X	H1	OK	OK
251:21:41:33:858	41:43:358	0: 9:500	28465-3	S			MAN	X	X	5		6	X	H1	OK	OK
251:21:42:15:358	42:54:358	0:39: 0	28465-4	S			MAN	X	X	5		6	X	H1	OK	OK
251:21:43:37:182	46:16:924	2:39:742	28465-5	S			MAN	X	4	5	GA	6	X	H1	OK	OK
251:22:46:56:358	47: 5:858	0: 9:500	28465-6	S			MAN	X	X	5	MA	6	X	H1	OK	OK
251:22:47:11:358	47:50:858	0:39:500	28465-7	S			MAN	X	X	5	MA	6	X	H1	OK	OK
251:22:53:41:108	53:50:858	0: 9:750	28465-8	S			MAN	X	X	5	MA	6	X	H1	OK	OK

5082B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 147

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		NRL BIAS		ANGLE		ALTITUDE	Z(H)	ORBIT NO.	
	(ARCMINS) (ARCSEC)		(ARCMINS) (ARCSEC)				(ARCSEC)		(ARCMINS)		(KM)	(KM)		
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	OPEN	OPEN		
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)	
28463-5	-963.00	978.70	55.00	.99	.00	.00	3.0	26.25	55.00	-274.10	4698.20	425.40	-2766.20	1681
28463-6	-963.00	978.70	55.00	1.32	.00	.00	3.0	26.25	55.00	-274.20	5118.50	424.20	-3499.80	1681
28463-7	-963.00	983.70	55.00	.99	.00	.00	8.0	26.25	55.00	-274.40	4598.70	424.10	-2604.40	1681
28463-8	-963.00	983.70	55.00	.99	.00	.00	8.0	26.25	55.00	-274.60	3923.80	425.10	-1570.40	1681
28464-1	-963.00	987.50	55.00	.99	.00	.00	11.0	26.25	55.00	-275.30	3004.70	427.40	-464.50	1681
28464-2	-963.00	987.50	55.00	.99	.00	.00	11.0	26.25	55.00	-276.00	2312.70	429.60	93.40	1681
28464-3	-962.00	998.70	55.00	1.32	2.50	.00	20.0	26.25	55.00	-277.20	1389.70	432.30	425.10	1681
28464-4	-962.00	996.20	55.00	.99	.00	.00	20.0	26.25	55.00	-278.90	23.60	434.70	16.30	1681
28464-5	713.00	853.70	-65.00	.00	.00	.00	0	26.25	55.00	-405.70	1481.30	432.10	414.10	1688
28464-6	713.00	853.70	-65.00	.00	.00	.00	0	26.25	55.00	-406.00	1251.60	432.70	432.60	1688
28464-7	16.00	843.80	-236.20	.00	.00	.00	0	26.25	55.00	-494.40	4752.00	424.10	-2860.40	1692
28464-8	16.00	843.80	-236.20	.00	.00	.00	0	26.25	55.00	-494.50	4583.30	424.20	-2578.80	1692
28465-1	3954.00	353.70	76.20	.00	.00	.00	0	26.25	55.00	-495.00	3525.20	426.20	-1043.00	1692
28465-2	3954.00	353.70	76.20	.99	.00	.00	0	26.25	55.00	-495.20	3300.90	426.80	-777.70	1692
28465-3	17.00	6.30	555.00	.99	.00	.00	0	26.25	55.00	-497.20	1480.80	432.10	414.20	1692
28465-4	17.00	-2.50	555.00	.66	45.00	.00	0	26.25	55.00	-497.60	1252.10	432.70	432.60	1693
28465-5	17.00	55.00	555.00	.66	65.00	.00	0	26.25	55.00	-497.90	1023.20	433.20	420.60	1693
28465-6	600.20	886.20	-93.80	.66	65.00	5.00	0	26.25	55.00	-511.80	2702.70	433.90	-178.70	1693
28465-7	600.20	886.20	-93.80	.00	.00	.00	0	26.25	55.00	-511.90	2929.40	432.50	-381.20	1693
28465-8	600.20	553.70	341.20	.00	.00	.00	0	26.25	55.00	-512.40	4252.80	426.20	-2049.50	1693

DATE 052275

PAGE 381

S0826-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 148

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	TIME	-G#	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
251:22:54: 1:358	54:40:858	0:39:500	28466-1	S		MAN	X	X	5	MA	6	X	H1	OK	
252: 0:14: 9:414	14:46:580	0:39:166	28466-2	S	LMB PT	MAN	X	X	5	ML	6	X	H1	OK	OK
252: 0:15:18:413	15:18:913	0: 0:500	28466-3	L	LMB PT	MAN	X	X	5	ML	6	X	H1	OK	OK
252: 0:15:19: 0	15:19: 0	0: 0: 0	28466-4	S	LMB PT	MAN	X	X	5	ML	6	X	H1	OK	OK
252: 0:16:42:492	17:21:573	0:39: 81	28466-5	S	LMB PT	MAN	X	X	5	ML	6	X	H1	OK	OK
252: 0:17:32:573	17:33: 73	0: 0:500	28466-6	L	LMB PT	MAN	X	X	5	ML	6	X	H1	OK	OK
252: 0:20:37: 0	23:16:500	2:39:500	28466-7	L	LMB PT	MAN	X	X	5	ML	6	X	H1	OK	OK
252: 0:24:12:306	26:14:549	2:38:976	28466-8	S	LMB PT	MAN	X	X	5	ML	6	X	H1	OK	OK
252: 0:27:34:377	30:13:537	2:39:160	28467-1	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
252: 0:30:28:954	33: 8:409	2:39:455	28467-2	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
252: 0:35: 1:409	40: 0:508	4:59: 99	28467-3	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
252: 0:40:14:425	45:13:409	4:58:984	28467-4	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
252: 0:47:12:909	57:12:458	9:59:549	28467-5	S	LMB PT	MAN	X	4	5	G3	6	X	H1	OK	OK
252:11:11:24:194	11:33:360	0: 9:166	28467-6	S		MAN	X	4	5	MA	6	X	H1	OK	OK
252:11:13: 2:187	13:41:351	0:39:164	28467-7	S		MAN	X	X	5	MA	6	X	H1	OK	OK
252:11:16:49:589	16:59:338	0: 9:749	28467-8	S		MAN	X	X	5	MA	6	X	H1	OK	OK
252:11:18:15:170	18:54:336	0:39:166	28468-1	S		MAN	X	X	5	MA	6	X	H1	OK	OK
252:11:26: 5:658	26:15:408	0: 9:750	28468-2	S		MAN	X	X	5	MA	6	X	H1	OK	OK
252:11:26:26:408	27: 5:408	0:39: 0	28468-3	S		MAN	X	X	5	MA	6	X	H1	OK	OK
252:11:37:54:158	40:33:408	2:39:250	28468-4	S	LMB PT	MAN	X	X	5	GS	6	X	H1	OK	OK

DATE 052275

PAGE 382

SD828-EDB

INSTRUMENT OPERATION  
PAGE 2 - 148

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	----- EPC POINT -----			---- MAX PT EXC ----			LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.	
	(ARCMINS) (ARCSEC)			(ARCMINS) (ARCSEC)					(ARCSEC)		(ARCMINS)		(KM)	(KM)		
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY			GXB1	GYB1	-BETA-	-Z-				
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)			(Y)	(Z)	(AA)	(BB)	(CC)	
2B466-1	600.20	553.70	341.20				.0		26.25	55.00	-512.50	4454.50	425.50	-2366.60	1693	
2B466-2	947.00	967.50	55.00	.00	.00	.00	.00	26.25	55.00	26.25	55.00	-528.90	1515.70	441.40	420.10	1694
2B466-3	947.00	967.50	55.00	.99	.00	.00	-4.0	26.25	55.00	26.25	55.00	-529.20	1743.70	440.00	367.40	1694
2B466-4	947.00	967.50	55.00	.00	.00	.00	-4.0	26.25	55.00	26.25	55.00	-529.20	1743.70	440.00	367.40	1694
2B466-5	947.00	971.20	55.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-529.40	1971.60	438.50	284.60	1694
2B466-6	947.00	971.20	55.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-529.60	2199.30	437.00	172.20	1694
2B466-7	947.00	975.00	55.00	.00	.00	.00	4.0	26.25	55.00	26.25	55.00	-530.50	3105.00	431.40	-1358.00	1694
2B466-8	947.00	975.00	55.00	.00	.00	.00	4.0	26.25	55.00	26.25	55.00	-530.50	3774.10	428.00	-1358.00	1694
2B467-1	947.00	980.00	55.00	.00	.00	.00	8.0	26.25	55.00	26.25	55.00	-530.60	4405.20	425.60	-2287.90	1694
2B467-2	947.00	980.00	55.00	.99	.00	.00	8.0	26.25	55.00	26.25	55.00	-530.70	4847.70	424.30	-3023.20	1694
2B467-3	947.00	983.70	55.00	.99	.00	.00	12.0	26.25	55.00	26.25	55.00	-531.00	4251.30	424.70	-2051.20	1694
2B467-4	947.00	983.70	55.00	1.32	.00	.00	1.00	26.25	55.00	26.25	55.00	-531.70	3160.10	427.20	-623.10	1694
2B467-5	947.00	993.70	55.00	.99	.00	.00	21.0	26.25	55.00	26.25	55.00	-533.50	1571.20	431.90	398.60	1694
2B467-6	899.00	939.00	10.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-660.00	2500.00	434.30	-47.70	1701
2B467-7	899.00	939.00	10.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-660.00	3000.00	431.60	-433.10	1701
2B467-8	899.00	934.00	10.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-660.00	3600.00	428.20	181.00	1701
2B468-1	899.00	934.00	10.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-660.00	4100.00	426.40	756.00	1701
2B468-2	4770.00	359.00	279.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-660.00	4400.00	424.50	361.00	1701
2B468-3	4770.00	359.00	279.00	.00	.00	.00	.0	26.25	55.00	26.25	55.00	-660.00	4400.00	424.50	361.00	1701
2B468-4	634.00	981.00	55.00	.00	.00	.00	10.0	26.25	55.00	26.25	55.00	-660.00	2100.00	430.60	208.10	1701

S0828-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 149

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	TIME	EXPOSURE -G-						OP	CL		OP	CL		
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
252:11:41:24:158	44: 3:408	2:39:250	28468-5	S	LMB	PT	MAN	X	X	5	G3	6	X	H1	OK
252:11:44:27:158	47: 6:408	2:39:250	28468-6	S	LMB	PT	MAN	X	X	5	G3	6	X	H1	OK
252:13:11:58:658	12: 8:158	c: 9:500	28468-7	S			MAN	X	X	5	MA	6	X	H1	OK
252:13:12:25:408	13: 5:158	c:39:750	28468-8	S			MAN	X	X	5	MA	6	X	H1	OK
252:16:22:56:547	23:45:546	c:48:999	28469-1	S			MAN	X	X	5	GS	6	X	H1	OK
252:16:24:12:628	24:52:658	0:40: 30	28469-2	L			MAN	X	X	5	GS	6	X	H1	OK
252:16:25:16:908	25:56:658	c:39:750	28469-3	S			MAN	X	X	5	GS	6	X	H1	OK
252:20:55: 2:183	55:11:848	c: 9:665	28469-4	S			MAN	X	X	5	MA	6	X	H1	OK
252:20:55:24:348	56: 3:708	0:39:360	28469-5	S			MAN	X	X	5	MA	6	X	H1	OK
252:21:49:20:458	49:39:708	c:19:250	28469-6	S			MAN	X	4	5	GS	6	X	H1	OK
252:21:51:40:958	51:50:708	c: 9:750	28469-7	S			MAN	X	4	5	ML	6	X	H1	OK
252:22: 0:10:742	0:19:658	0: 8:916	28469-8	S			MAN	X	X	5	MA	6	X	H1	OK
253: 0:56:54:708	57:14:458	c:19:750	28470-1	S			MAN	X	X	5	G3	6	X	H1	OK
253: 1: 0:55:208	1:34:458	0:39:250	28470-2	S			MAN	X	X	5	MA	6	X	H1	OK
253: 1: 3:12:385	3:32:384	c:19:999	28470-3	S			MAN	X	X	5	MA	6	X	H1	OK
253: 1: 6:16:373	6:56:370	c:39:997	28470-4	S			MAN	X	X	5	MA	6	X	H1	OK
253: 1: 7:13:869	7:33:368	c:19:499	28470-5	S			MAN	X	X	5	MA	6	X	H1	OK
253: 1:24:44:534	25:24: 32	c:39:498	28470-6	S	LMB	PT	MAN	X	X	5	G3	6	X	H1	OK
253: 1:26:33:778	27:13: 26	c:39:248	28470-7	L	LMB	PT	MAN	X	X	5	G3	6	X	H1	OK
253: 1:30:13:517	32:53: 9	2:39:492	28470-8	L	LMB	PT	MAN	X	X	5	G3	6	X	H1	OK

S082B-EDB

INSTRUMENT OPERATION  
PAGE 2- 149

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	(ARCMINS)	(KM)	(KM)
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)
28468-5	634.00	981.0E	55.0E			.0	26.25	55.00	-660.00	1200.00	432.90	432.20	1701
28468-6	633.00	981.00	55.00	.00	.00	.00	26.25	55.00	-660.00	530.00	434.10	289.90	1701
28468-7	-6052.00	-320.00	-175.00	.00	.00	.00	26.25	55.00	-678.00	1928.90	431.10	290.90	1702
28468-8	-6052.00	-320.00	-175.00	.00	.00	.00	26.25	55.00	-678.30	1703.30	431.70	367.50	1702
28469-1	-1119.60	997.50	101.20	.00	.00	.00	26.25	55.00	-715.50	889.30	433.60	399.50	1704
28469-2	-1119.60	997.50	101.20	.00	.00	.00	26.25	55.00	-716.20	436.80	434.30	251.80	1704
28469-3	-1119.60	997.50	101.20	.99	.00	.00	26.25	55.00	-716.60	210.40	434.50	134.50	1704
28469-4	-5806.00	-283.70	-475.00	.00	.00	.00	21.25	57.50	-767.50	2369.60	429.90	58.20	1706
28469-5	-5806.00	-283.70	-475.00	.00	.00	.00	21.25	57.50	-767.50	2369.60	429.90	58.20	1706
28469-6	-6632.00	-407.50	-418.70	.00	.00	.00	21.25	57.50	-778.90	650.20	452.00	330.20	1707
28469-7	-6632.00	-407.50	-417.50	.00	.00	.00	21.25	57.50	-779.80	-123.00	449.80	445.40	1707
28469-8	-6632.00	-406.30	-413.70	.00	.00	.00	21.25	57.50	-782.30	1744.30	438.90	408.10	1707
28470-1	-1660.00	632.00	-712.00	.00	.00	.00	21.25	57.50	-814.80	-387.70	451.50	408.10	1709
28470-2	-1660.00	626.00	-722.00	.00	.00	.00	21.25	57.50	-816.20	303.90	447.60	189.70	1709
28470-3	-1660.00	626.00	-722.00	.00	.00	.00	21.25	57.50	-817.10	1023.00	443.70	429.20	1709
28470-4	1057.00	982.00	-8.80	.00	.00	.00	21.25	57.50	-817.80	1648.00	439.30	391.70	1709
28470-5	1057.00	982.00	-8.80	.00	.00	.00	21.25	57.50	-818.10	1871.00	437.80	323.00	1709
28470-6	1369.00	637.00	63.70	.00	.00	.80	21.25	57.50	-819.70	4445.00	424.30	-2355.00	1709
28470-7	1369.00	637.00	63.70	.00	.00	.80	21.25	57.50	-819.60	4166.00	424.80	-1893.00	1709
28470-8	1369.00	637.00	63.70	.00	.00	.80	21.25	57.50	-820.10	3360.00	426.90	-844.54	1709

DATE 052275

PAGE 385

SG82B-EDB

INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 40 SECS  
PAGE 1- 150

SHUTTER		FRAME COUNT	-WVL-	STATE MODE		UP EXP				TEMP				
OPEN	CLOSE	EXPOSURE TIME	-G-	(E)	(F)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
253: 1:33: 6;258	35:46: 0	2:39:742	2B471-1	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
253: 1:36:36:247	41:35:982	4:59:735	2B471-2	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
253: 1:41:45:232	44:24:973	2:39:741	2B471-3	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
253: 1:44:53:972	45:32:970	C:38:998	2B471-4	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
253: 1:46: 0:968	46: 1:718	C: 0:750	2B471-5	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
253: 1:46: 1:801	46: 1:843	C: E: 42	2B471-6	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
253: 2:37:41:708	37:51:208	C: 9:500	2B471-7	S		MAN	X	4	5	ML	6	X	H1	OK
253: 2:43: 2:847	43:12: 96	C: 9:249	2B471-8	S		MAN	X	4	5	ML	6	X	H1	OK
253: 2:48:21:458	48:30:958	0: 9:500	2B472-1	S		MAN	X	X	5	ML	6	X	H1	OK
253: 2:58:16:708	58:25:958	0: 9:250	2B472-2	S		MAN	X	4	5	ML	6	X	H1	OK
253: 2:59:10:958	59:27:958	0: 9: 0	2B472-3	S		MAN	X	4	5	ML	6	X	H1	OK
253: 3: 0:26:708	0:35:958	0: 9:250	2B472-4	S		MAN	X	4	5	ML	6	X	H1	OK
253: 3: 6:34:458	6:43:958	C: 9:500	2B472-5	S		MAN	X	X	5	ML	6	X	H1	OK
253: 3:14:24:958	14:33:958	0: 9: 0	2B472-6	S		MAN	X	X	5	MA	6	X	H1	OK
253:10:36:28:480	36:37:814	C: 9:334	2B472-7	S		MAN	X	X	5	G3	6	X	H1	OK
253:10:36:43: 64	37:22:813	0:39:749	2B472-8	S		MAN	X	X	5	G3	6	X	H1	OK
253:10:52:12:208	52:21:958	0: 9:750	2B473-1	S		MAN	X	X	5	MA	6	X	H1	OK
253:10:52:30:458	53: 9:958	0:39:500	2B473-2	S		MAN	X	X	5	MA	6	X	H1	OK
253:10:59:46:708	59:55:958	0: 9:250	2B473-3	S		MAN	X	X	5	MA	6	X	H1	OK
253:11: 0: 0:708	0:39:958	0:39:250	2B473-4	S		MAN	X	X	5	MA	6	X	H1	OK

DATE 052275

PAGE 386

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 150

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE		ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.				
	(ARCSECS)			(ARCSECS)				(ARCSEC)		(ARCSECS)								
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1	-BETA- OPEN	-Z- OPEN							
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)				
28471-1	1369.00	971.20	63.70				8.0	21.25	57.50	-820.10	2715.00	428.70	-198.80	1709				
28471-2	1369.00	971.10	63.70	.00	.00	.00	20.0	21.25	57.50	-821.70	2053.00	430.70	236.20	1709				
28471-3	1369.00	971.20	63.70	.00	.00	.00	20.0	21.25	57.50	-821.30	766.90	433.30	236.20	1709				
28471-4	1369.00	971.20	63.70	.00	.00	.00	0	21.25	57.50	-823.10	60.00	433.30	370.80	1709				
28471-5	1369.00	971.20	63.70	.00	.00	.00	0	21.25	57.50	-824.90	+191.10	434.60	424.10	1709				
28471-6	1369.00	971.20	63.70	.00	.00	.00	0	21.25	57.50	-824.90	-191.10	434.60	424.10	1709				
28471-7	.00	620.00	-214.00				0	21.25	57.50	-835.10	1308.00	442.50	441.40	1710				
28471-8	.00	620.00	-214.00	.00	.00	.00	0	21.25	57.50	-836.40	2486.00	433.70	-136.70	1710				
28472-1	.00	620.00	-214.00				0	21.25	57.50	-836.90	3558.00	427.70	-1666.40	1710				
28472-2	3501.00	546.00	461.00	.00	.00	.00	0	21.25	57.50	-837.30	4327.00	424.70	-1666.40	1710				
28472-3	3501.00	546.00	461.00	.00	.00	.00	0	21.25	57.50	-837.40	4170.00	424.80	-1666.40	1710				
28472-4	3501.00	546.00	461.00	.00	.00	.00	0	21.25	57.50	-837.50	3993.00	425.20	-1666.40	1710				
28472-5	3501.00	546.00	461.00	.00	.00	.00	0	21.25	57.50	-837.50	2775.00	428.70	-1666.40	1710				
28472-6	3501.00	546.00	461.00	.00	.00	.00	0	21.25	57.50	-846.90	888.00	433.20	-1666.40	1710				
28472-7	1020.70	953.70	98.70	.00	.00	.00	0	21.25	57.50	-926.10	3894.50	426.00	-1527.20	1715				
28472-8	1020.40	953.70	98.70	.00	.00	.00	0	21.25	57.50	-926.10	3894.50	426.00	-1527.20	1715				
28473-1	2832.40	541.20	223.70				0	21.25	57.50	-927.50	2739.30	428.80	-219.50	1715				
28473-2	2832.40	541.20	223.70	.00	.00	.00	0	21.25	57.50	-927.50	2739.30	428.80	-219.50	1715				
28473-3	2936.30	635.00	412.50	.00	.00	.00	0	21.25	57.50	-929.60	1032.30	432.70	421.30	1715				
28473-4	2936.30	635.00	412.50	.00	.00	.00	0	21.25	57.50	-929.90	980.50	433.20	414.80	1715				

DATE 052275

PAGE 387

SC82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 151

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP				TEMP				
OPEN	CLOSE	EXPOSURE TIME	-G#	(E)	(F)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
253:14: 8:54: 8	11:33:258	2:39:250	2B473-5	S	LM SC	MAN	X	X	S	MA	6	X	H1	OK
253:15: 5:14: 8	5:53:258	C:39:250	2B473-6	S	LM SC	MAN	X	X	S	MA	6	X	H1	OK
253:15: 6:59:508	7: 0:258	C: 0:750	2B473-7	L	LM SC	MAN	X	X	S	MA	6	X	H1	OK
253:15: 8:52: 8	9:31:258	0:39:250	2B473-8	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
253:15: 9:38:758	9:39:258	C: 0:500	2B474-1	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
253:15:11: 1:258	13:41:258	2:40: 0	2B474-2	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
253:15:14:36:758	17:16:258	2:39:500	2B474-3	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
253:15:20:19:662	25:19: 63	4:59:401	2B474-4	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
253:15:25:39:812	28:19: 57	2:39:245	2B474-5	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
253:15:30:11:758	40:11: 22	9:59:264	2B474-6	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
253:15:40:44:938	45:44: 8	4:59: 70	2B474-7	L	LMB PT	MAN	X	X	5	ML	6	X	H1	OK
253:16:33:52:258	33:56:508	C: 4:250	2B474-8	L	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK
253:16:34: 0: 8	34:16: 8	0:16: 0	2B475-1	S	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK
253:16:34:17:758	34:32: 6	0:14:250	2B475-2	L	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK
253:16:35: 3:508	35: 7:508	0: 4: 0	2B475-3	L	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK
253:16:35: 9:258	35:25:508	0:16:250	2B475-4	S	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK
253:16:35:27:258	35:43:508	0:16:250	2B475-5	L	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK
253:16:35:45:258	36:49:258	1: 4: 0	2B475-6	S	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK
253:16:36:51: 8	37:55: 8	1: 4: 0	2B475-7	L	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK
253:16:37:56:758	42:13: 6	4:16:250	2B475-8	S	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK

SD82B-EDS  
INSTRUMENT OPERATION  
PAGE 2- 151

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.					
	(ARCMINS)			(ARCSEC)				(ARCSEC)										
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY		GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)					
2B473-5	1505.00	995.00	31.30		.99	.00	.00	25.0	21.25	57.50	-965.80	628.60	433.70	328.60 1717				
2B473-6	1075.00	966.20	100.00		.00	.00	.00	-4.0	21.25	57.50	-977.80	1654.40	438.50	389.00 1717				
2B473-7	1075.00	966.20	100.00		.00	.00	.00	-5.0	21.25	57.50	-978.00	1873.80	437.00	320.70 1717				
2B473-8	1075.00	966.20	100.00		.00	.00	.00	.00	21.25	57.50	-978.30	2309.60	434.10	103.30 1717				
2B474-1	1075.00	966.20	100.00		.00	.00	.00	.00	21.25	57.50	-978.50	2525.50	432.70	-43.70 1717				
2B474-2	1075.00	966.20	100.00		.00	.00	.00	5.0	21.25	57.50	-978.70	2950.90	430.20	-406.50 1717				
2B474-3	1075.00	966.20	100.00		.33	.00	.00	.00	21.25	57.50	-978.90	3560.50	427.10	-1084.40 1718				
2B474-4	1076.00	966.20	100.00		.00	.00	.00	.00	21.25	57.50	-979.10	4401.40	424.30	-2285.50 1718				
2B474-5	1076.00	966.20	100.00		.00	.00	.00	10.0	21.25	57.50	-979.40	4017.20	425.20	-1702.70 1718				
2B474-6	1077.00	966.20	100.00		.33	2.50	.00	1.00	21.25	57.50	-980.10	3065.00	427.90	-523.30 1718				
2B474-7	1077.00	966.20	100.00		.00	.00	.00	19.0	21.25	57.50	-983.00	895.50	433.40	400.60 1718				
2B474-8	88.00	998.70	97.50		.00	.00	.00	26.0	21.25	57.50	-994.00	503.10	446.00	285.70 1718				
2B475-1	88.00	998.70	97.50		.00	.00	.00	26.0	21.25	57.50	-994.30	724.10	444.70	365.60 1718				
2B475-2	88.00	998.70	97.50		.33	.00	.00	26.0	21.25	57.50	-994.30	724.10	444.70	365.60 1718				
2B475-3	88.00	998.70	97.50		.00	.00	.00	26.0	21.25	57.50	-994.60	945.00	443.20	417.10 1718				
2B475-4	88.00	998.70	97.50		.00	.00	.00	26.0	21.25	57.50	-994.60	945.00	443.20	417.10 1718				
2B475-5	88.00	998.70	97.50		.00	.00	.00	26.0	21.25	57.50	-994.60	945.00	443.20	417.10 1718				
2B475-6	88.00	998.70	97.50		.33	.00	.00	26.0	21.25	57.50	-994.60	945.00	443.20	417.10 1718				
2B475-7	88.00	998.70	97.50		.33	.00	.00	26.0	21.25	57.50	-994.90	1165.60	441.80	440.00 1718				
2B475-8	88.00	998.70	97.50		.00	.00	.00	26.0	21.25	57.50	-995.20	1385.90	440.30	434.30 1718				

DATE 052275

PAGE 389

S082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 1- 152      5-22-75 AT .2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)				OP EXP				TEMP			
OPEN	CLOSE	TIME	-G-												
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
253:16:42:16:508	46:32:508	4:16: 0	28476-1	L	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK	OK
253:16:46:34:258	3:36:362	17: 4:104	28476-2	S	LMB PT	AUTO	X	X	5	G3	6	X	H1	OK	OK
253:21:15:19:967	15:39:133	0:19:166	28476-3	S		MAN	X	X	5	MA	6	X	H1	OK	OK
254: 1:56:17:829	56:27:412	0: 9:583	28476-4	S		MAN	2	4	5	G3	6	X	H1	OK	OK
254: 1:56:32:508	57:11:409	0:38:901	28476-5	S		MAN	2	4	5	G3	6	X	H1	OK	OK
254: 2:19: 8:513	19:16:345	0: 9:832	28476-6	S		MAN	X	X	5	MA	6	X	H1	OK	OK
254: 2:19:36:258	20:15:508	0:39:250	28476-7	S		MAN	X	X	5	MA	6	X	H1	OK	OK
254: 2:28:13:758	28:23:508	0: 9:750	28476-8	S		MAN	X	X	5	MA	6	X	H1	OK	OK
254: 2:28:26:758	29: 6:508	0:39:750	28477-1	S		MAN	X	X	5	MA	6	X	H1	OK	OK
254:11:46:17:858	48:56:858	2:39: 0	28477-2	S		MAN	X	X	5	MA	6	X	H1	OK	OK
254:11:54: 5:108	56:44:858	2:39:750	28477-3	S		MAN	X	X	5	GS	6	X	H1	OK	OK
254:14:27:19:858	27:29:608	0: 9:750	28477-4	S		MAN	X	X	5		6	X	H1	OK	OK
254:14:28:18:358	28:57:608	0:39:250	28477-5	S		MAN	X	X	5		6	X	H1	OK	OK
254:14:29:33:858	32:13:608	2:39:750	28477-6	S		MAN	X	X	5		6	X	H1	OK	OK
254:14:41:14: 34	43:53:361	2:39:327	28477-7	S		MAN	X	X	5	G3	6	X	H1	OK	OK
254:22:15:23:908	15:33:408	0: 9:500	28477-8	S		MAN	X	X	5	MA	6	X	H1	OK	OK
254:22:15:41:408	16:20:408	0:39: 0	28478-1	S		MAN	X	X	5	MA	6	X	H1	OK	OK
254:22:21:23:908	21:33:158	0: 9:250	28478-2	S		MAN	X	X	5	MA	6	X	H1	OK	OK
254:22:21:56:207	22:35:121	0:38:914	28478-3	S		MAN	X	X	5	MA	6	X	H1	OK	OK
254:22:30:39:678	30:49: 94	0: 9:416	28478-4	S		MAN	X	X	5	MA	6	X	H1	OK	OK

DATE 052275

PAGE 390

SE62B-EDB

INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
PAGE 2- 152

FRAME COUNT	----- EPC POINT -----			---- MAX PT EXC ----			LIMB OFF	--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.	
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(KM)	(KM)	
	(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)	
28476-1	88.00	998.70	97.50				26.0	21.25	57.50	-996.10	2475.90	433.00	-7.80	1718	
28476-2	88.00	998.70	97.50	.33	.00	.80		21.25	57.50						
28476-3	1744.00	992.00	86.70	246.53	.00	.00		.00	21.25	57.50	-996.50	3313.00	428.20	-788.00	1718
28476-4	-4928.00	18.80	25.00		.00	.00		.00	21.25	57.50	-1100.40	1316.30	440.20	438.70	1724
28476-5	-4928.00	18.80	25.00		.00	.00		.00	21.25	57.50	-1100.40	1316.30	440.20	438.70	1724
28476-6	-8401.00	-597.50	-123.70		.00	.00		.00	21.25	57.50	-1102.50	3677.80	426.10	-1236.10	1724
28476-7	-8401.00	-597.50	-123.70		.00	.00		.00	21.25	57.50	-1102.50	3677.80	426.10	-1236.10	1724
28476-8	-177.00	768.70	-196.20		.00	.00		.00	21.25	57.50	-1104.40	1855.50	431.40	319.10	1724
28477-1	-177.00	768.70	-196.20		.00	.00		.00	21.25	57.50	-1104.40	1855.50	431.40	319.10	1724
28477-2	-8450.00	-640.00	-160.00		.00	.00		.00	21.25	57.50	-1208.00	2101.00	430.80	212.90	1730
28477-3	-963.00	-611.00	395.00		.00	.00		.00	21.25	57.50	-1211.00	365.60	433.70	217.80	1730
28477-4	-45.00	55.00	557.50		.00	.00	.80	.00	21.25	57.50	-1240.00	2417.10	432.00	30.70	1731
28477-5	-45.00	-11.20	557.50		.00	.00		.00	21.25	57.50	-1240.10	2621.50	430.80	-120.00	1732
28477-6	-45.00	52.50	557.50		.66	56.25		.00	21.25	57.50	-1240.20	2822.50	429.60	-289.70	1732
28477-7	-45.00	688.70	-260.00		.00	58.75		.00	21.25	57.50	-1240.60	4067.40	424.90	-1776.20	1732
28477-8	681.00	885.00	41.20		.00	.00		.00	21.25	57.50	-1325.80	2773.90	429.40	-247.70	1736
28478-1	681.00	885.00	41.20		.00	.00		.00	21.25	57.50	-1325.80	2773.90	429.40	-247.70	1736
28478-2	2620.00	758.70	506.20		.00	.00		.00	21.25	57.50	-1326.10	3791.50	425.00	-1389.00	1736
28478-3	2620.00	758.70	506.20		.00	.00		.00	21.25	57.50	-1326.10	3791.50	425.00	-1389.00	1736
28478-4	1266.00	953.70	102.50		.00	.00		.00	21.25	57.50	-1326.50	3648.50	426.10	-1198.20	1736

DATE 052275

PAGE 391

S0628-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1- 153

SHUTTER			FRAME COUNT	-WVL-	STATE MODE		OP EXP				TEMP					
OPEN	CLOSE	TIME		-G#	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
254:22:31: 5:676	31:45: 92	C:39:416	28478-5	S		MAN	X	X	5	MA	6	X	H1	OK		OK
254:22:37:38:657	37:48: 75	C: 9:418	28478-6	S		MAN	X	X	5	MA	6	X	H1	OK		OK
254:22:37:55:657	38:35: 72	C:39:415	28478-7	S		MAN	X	X	5	MA	6	X	H1	OK		OK
254:23:45: 9:880	45:48:880	C:39: C	28478-8	S	LMB PT	MAN	X	X	5		6	X	H1	OK		XX
254:23:45:56:908	45:59:158	C: C:250	28479-1	L	LMB PT	MAN	X	X	5		6	X	H1	OK		OK
254:23:47:48:658	48:28:158	C:39:500	28479-2	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK
254:23:46:38:705	48:38:788	C: C: 83	28479-3	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK
254:23:49:47:950	52:27:857	2:39:907	28479-4	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK
254:23:52:50:606	55:29:848	2:39:242	28479-5	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK
254:23:55:44: 14	58:24: 93	2:40: 79	28479-6	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK
255: 0: 0: 6:909	5: 5:909	4:59: C	28479-7	S	LMB PT	MAN	X	X	5	ML	6	X	H1	OK		OK
255: 0: 5:25:409	8: 4:909	2:39:500	28479-8	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK
255: 0: 8:31:159	18:30:784	9:59:625	28480-1	S	LMB PT	MAN	X	4	5	G3	6	X	H1	OK		OK
255: 0:19:14:449	24:13:851	4:59:402	28480-2	L	LMB PT	MAN	X	4	5	G3	6	X	H1	OK		OK
255:15:11:39:391	21:38:861	9:59:470	28480-3	S	LMB PT	MAN	X	X	5	MA	6	X	H1	OK		OK
255:15:22:35:358	27:34:842	4:59:484	28480-4	L	LMB PT	MAN	X	X	5	MA	6	X	H1	OK		OK
255:18:48:38:659	51:18:569	2:39:910	28480-5	S		MAN	X	X	5	ML	6	X	H1	OK		OK
255:18:54:33:208	57:12:551	2:39:343	28480-6	S		MAN	X	X	5	G5	6	X	H1	OK		OK
255:18:59: 9:125	1:48:533	2:39:408	28480-7	S		MAN	X	X	5	G5	6	X	H1	OK		OK
255:22: 6: 1:253	6:11: 85	0: 9:832	28480-8	S	BORE	MAN	X	X	5	M3	6	X	H1	OK		OK

DATE 052275

PAGE 392

SC62B-EDB  
 INSTRUMENT OPERATION  
 PAGE 2- 153

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIASS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.		
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCSEC)	(ARCSEC)	(ARCMINS)	(KM)	(KM)				
	GAMRR	GAMX	GAMY	GAMRK	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-					
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)		
2B478-5	1266.00	953.70	102.50		.00	.00	.00	.00	21.25	57.50	-1326.70	3493.60	426.70 -1003.40	1736	
2B478-6	2438.00	721.20	351.20		.00	.00	.00	.00	21.25	57.50	-1327.90	2373.00	430.20 56.40	1736	
2B478-7	2438.00	721.20	351.20		.00	.00	.00	.00	21.25	57.50	-1327.90	2373.00	430.20 56.40	1736	
2B478-8	933.00	966.20	56.30		.00	.00	.00	.00	21.25	57.50	-1342.30	2122.90	433.10 205.90	1737	
2B479-1	933.00	966.20	56.30		.00	.00	.00	.00	21.25	57.50	-1342.30	2122.90	433.10 205.90	1737	
2B479-2	933.00	971.20	56.30		.00	.00	.00	1.00	21.25	57.50	-1342.60	2528.10	430.50 -49.80	1737	
2B479-3	933.00	971.20	56.30		.00	.00	.00	1.00	21.25	57.50	-1342.70	2725.50	429.40 -206.80	1737	
2B479-4	934.00	971.20	56.30		.00	.00	.00	4.00	21.25	57.50	-1342.70	2918.30	428.30 -379.70	1737	
2B479-5	934.00	971.20	56.30		.00	.00	.00	4.00	21.25	57.50	-1342.90	3453.60	425.90 -957.20	1737	
2B479-6	935.00	971.20	56.30		.00	.00	.00	4.00	21.25	57.50	-1343.00	3870.20	424.50 -1497.40	1737	
2B479-7	935.00	971.20	56.30		.00	.00	.00	8.00	21.25	57.50	-1343.10	3991.00	424.70 -1666.40	1737	
2B479-8	936.00	971.20	56.30		.00	.00	.00	8.00	21.25	57.50	-1343.60	3351.70	427.00 -835.00	1737	
2B480-1	936.00	971.20	56.30		.00	.00	.00	26.00	21.25	57.50	-1344.20	2803.50	428.80 -274.80	1737	
2B480-2	937.00	971.20	56.30		.00	.00	.00	20.00	21.25	57.50	-1347.50	476.40	433.50 269.20	1737	
2B480-3	680.30	988.70	63.70		.00	.00	.00	18.00	21.25	57.50	-1508.90	948.10	441.50 416.30	1746	
2B480-4	679.90	988.70	63.70		.00	.00	.00	18.00	21.25	57.50	-1510.50	2986.30	427.20 -447.10	1746	
2B480-5	1261.00	870.00	168.70		.00	.00	.00	0.0	21.25	57.50	20.00	-1545.50	2449.20	430.00 5.30	1749
2B480-6	638.00	933.70	66.00		.00	.00	.00	0.0	20.00	57.50	-1547.30	1257.40	432.50 432.30	1749	
2B480-7	638.00	953.70	51.20		.00	.00	.00	0.0	20.00	57.50	-1548.90	222.50	433.30 141.30	1749	
2B480-8	-278.00	-23.70	497.50		.00	53.75	.00	.00	20.00	57.50	-1582.00	104.60	433.30 69.80	1751	

DATE 052275

PAGE 393

SG82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1 - 154

SHUTTER		FRAME COUNT	-WVL-	STATE MODE		OP EXP				TEMP				
OPEN	CLOSE	TIME	-G-	(E)	(F)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
255:22: 6:33:584	7:13: 83	0:39:499	2B481-1	S	BORE	MAN	X	X	5	M3	6	X	H1	OK
255:22: 7:33: 83	10:12: 77	2:38:994	2B481-2	S	BORE	MAN	X	X	5	M3	6	X	H1	OK
255:23: 8:29:708	8:38:958	E: 9:25C	2B481-3	S		MAN	X	X	5	MA	6	X	H1	OK
255:23: 8:57:458	9:36:956	E:39:5C0	2B481-4	S		MAN	X	X	5	MA	6	X	H1	OK
255:23:15:28:208	15:37:958	E: 9:75C	2B481-5	S		MAN	X	X	5	MA	6	X	H1	OK
255:23:16: E:958	16:39:958	E:39: E	2B481-6	S		MAN	X	X	5	MA	6	X	H1	OK
255:23:23:3C:958	23:39:958	E: 9: C	2B481-7	S		MAN	X	X	5	MA	6	X	H1	OK
255:23:23:44:708	24:23:958	E:39:25C	2B481-8	S		MAN	X	X	5	MA	6	X	H1	OK
255:23:30:58:594	31: 7:843	E: 9:249	2B482-1	S		MAN	X	X	5	MA	6	X	H1	OK
255:23:31:24:426	32: 3:840	E:39:414	2B482-2	S		MAN	X	X	5	MA	6	X	H1	OK
256:21:23:47:299	26:26:876	2:39:577	2B482-3	S		MAN	X	X	5	MA	6	X	H1	OK
257: 0: 6:41:163	7:20:994	E:39:831	2B482-4	S	LM SC	MAN	X	X	5	ML	6	X	H1	OK
257: 0: 7:33:411	7:33:994	E: 0:583	2B482-5	L	LM SC	MAN	X	X	5	ML	6	X	H1	OK
257: 0:10:51:258	10:51:758	E: 0:500	2B482-6	L	LMB PT	MAN	X	X	5	GS	6	X	H1	OK
257: 0:11: 6:508	11:45:508	E:39: 0	2B482-7	S	LMB PT	MAN	X	X	5	GS	6	X	H1	OK
257: 0:13:49: 8	16:28:508	2:39:500	2B482-8	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
257: 0:17:20:508	20: 0:508	2:40: C	2B483-1	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
257: 0:21: 2:508	23:41:449	2:38:941	2B483-2	L	LMB PT	MAN	X	X	5	M3	6	X	H1	OK
257: 0:24: 3:114	29: 2:431	4:59:317	2B483-3	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK
257: 0:29:41:678	34:41:414	4:59:736	2B483-4	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK

SD82B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 154

FRAME COUNT	EPC POINT -----				MAX PT EXC ----				LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT
	(ARCMIN)		(ARCSEC)		(ARCMIN)		(ARCSEC)				(ARCMIN)		(ARCMIN)		(KM)	(KM)	NO.
	GAMRR	GAMX	GAMY	GAMRK	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	OPEN	OPEN	(AA)	(BB)	(CC)		
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)			(Y)	(Z)					
2B481-1	-278.00	-31.30	497.50		.00	68.75	.00	.00	20.00	57.50	-1576.20	-13.00	433.30	433.30	1751		
2B481-2	-278.00	20.00	497.50		.00	75.00	.00	.00	20.00	57.50	-1582.50	-11.20	433.30	433.30	1751		
2B481-3	809.00	955.00	95.00		.00		.00	.00	20.00	57.50	-1592.90	2924.00	427.30	-387.40	1751		
2B481-4	809.00	955.00	95.00		.00		.00	.00	20.00	57.50	-1592.90	2924.00	427.30	-387.40	1751		
2B481-5	809.00	955.00	95.00		.00		.00	.00	20.00	57.50	-1593.10	3769.30	424.60	-1360.20	1751		
2B481-6	809.00	955.00	95.00		.00	.00	.00	.00	20.00	57.50	-1593.10	3798.40	424.70	-1399.00	1751		
2B481-7	1160.00	968.80	58.70		.00	.00	.00	.00	20.00	57.50	-1593.70	3229.20	427.40	-696.80	1751		
2B481-8	1160.00	968.80	58.70		.00	.00	.00	.00	20.00	57.50	-1593.70	3229.20	427.40	-696.80	1751		
2B482-1	1843.00	846.20	300.00		.00	.00	.00	.00	20.00	57.50	-1595.30	1978.60	431.10	270.20	1751		
2B482-2	1843.00	846.20	300.00		.00	.00	.00	.00	20.00	57.50	-1595.60	1781.60	431.50	344.10	1751		
2B482-3	-772.00	-920.00	93.80		.00	.00	.00	.00	20.00	57.50	-1821.80	367.40	432.80	218.50	1765		
2B482-4	852.00	966.20	38.70		.00	.00	.00	-3.0	20.00	57.50	-1847.90	3493.90	424.70	-1008.60	1766		
2B482-5	852.00	966.20	38.70		.00	.00	.00	-3.0	20.00	57.50	-1847.90	3532.70	424.80	-1055.70	1766		
2B482-6	852.00	966.20	38.70		.00	.00	.00	.0	20.00	57.50	-1848.10	3493.70	425.70	-1005.80	1766		
2B482-7	852.00	966.20	38.70		.00	.00	.00	.0	20.00	57.50	-1848.20	3430.80	426.20	-929.30	1766		
2B482-8	852.00	966.20	38.70		.00	.00	.00	4.0	20.00	57.50	-1848.40	3242.20	427.10	-711.70	1766		
2B483-1	852.00	966.20	38.70		.00	.00	.00	4.0	20.00	57.50	-1849.00	2685.60	429.20	-174.10	1766		
2B483-2	852.00	966.20	38.70		.00	.00	.00	8.0	20.00	57.50	-1850.00	1994.40	431.10	263.30	1766		
2B483-3	852.00	966.20	38.70		.00	.00	.00	8.0	20.00	57.50	-1850.90	1431.80	432.00	420.40	1766		
2B483-4	852.00	966.20	38.70		.00	.00	.00	20.0	20.00	57.50	-1852.60	454.50	432.70	259.30	1766		

DATE 052275

PAGE 345

S082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 1 - 155

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER			FRAME COUNT	-WVL-	STATE MODE (PRS)				OP EXP				TEMP				
OPEN	CLOSE	TIME		-G#	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
257: 1:46:24:258	46:66:258	c: 9: c	28483-5	S		MAN	X	X	5	MA	6	X	H1	OK		OP 49 CL	
257: 1:47: C:258	47:69:258	0:39: 0	28483-6	S		MAN	X	X	5	MA	6	X	H1	OK		OK	
257: 1:47:58:258	58:67:258	2:39: c	28483-7	S		MAN	X	X	5	MA	6	X	H1	OK		OK	
257:12:54: C:758	54:40: 8	0:39:250	28483-8	S		MAN	X	X	5	MA	6	X	H1	OK		OK	
257:12:54:53:258	57:33: 8	2:39:750	28484-1	S		MAN	X	X	5	MA	6	X	H1	OK		OK	
257:12:59:56:758	0:39:758	c:43: 0	28484-2	S		MAN	X	X	5	MA	6	X	H1	OK		OK	
257:13:55:11:758	55:12:568	c: 0:750	28484-3	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK	
257:13:55:51:258	56:31:568	c:40:250	28484-4	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK	
257:13:57:21: 8	57:21:758	0: 0:750	28484-5	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK	
257:13:57:51: 8	58:31:506	c:40:500	28484-6	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK	
257:13:58:51:508	1:31:330	2:39:822	28484-7	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK	
257:14: 2:25:661	5: 5:571	2:39:910	28484-8	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK	
257:14: 7:35:758	10:14:758	2:39: c	28485-1	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK	
257:14:10:50:258	15:49:537	4:59:279	28485-2	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK		OK	
257:14:18:54:276	28:53:758	9:59:482	28485-3	S	LMB PT	MAN	X	4	5	G3	6	X	H1	OK		OK	
257:14:29:24: 8	31:54: 8	2:30: c	28485-4	L	LMB PT	MAN	X	X	5	ML	6	X	H1	OK		OK	
257:15:32:54:649	32:58:815	c: 4:166	28485-5	L	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK		OK	
257:15:33: 0:481	33:16:647	c:16:166	28485-6	S	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK		OK	
257:15:33:18:230	33:34:396	c:16:166	28485-7	L	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK		OK	
257:15:33:36: 63	34:40:309	1: 4:246	28485-8	S	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK		OK	

DATE 052275

PAGE 396

## S082B-EDB

INSTRUMENT OPERATION  
PAGE 2- 155

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.		
	(ARCMIN)		(ARCSEC)				(ARCSEC)		(ARCMINS)		(KM)	(KM)			
	GAMRR	GAMX	GAMY	GAMRK	GAMX	GAMY		GXB1	GYB1	-BETA-	-Z-				
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)	
2B483-5	.00	20.00	558.70		.00	.00	.00	20.00	57.50	-1863.80	3254.30	427.10	-725.20	1767	
2B483-6	.00	41.20	558.70		.00	68.75	.00	.00	20.00	57.50	-1863.90	3138.30	427.60	-599.40	1767
2B483-7	.00	50.00	558.70		.00	82.50	.00	.00	20.00	57.50	-1863.90	3138.30	427.60	-599.40	1767
2B483-8	1033.20	966.20	112.50		.00	.00	.00	20.00	57.50	-1974.40	605.10	432.50	319.70	1774	
2B484-1	1033.20	966.20	112.50		.00	.00	.00	20.00	57.50	-1974.40	605.10	432.50	319.70	1774	
2B484-2	1033.90	943.70	6.80		.00	.00	.00	20.00	57.50	-1975.80	11069.80	432.70	297.70	1774	
2B484-3	663.00	966.20	57.50		.00	.00	-4.0	20.00	57.50	-1984.80	2097.10	429.40	212.70	1774	
2B484-4	663.00	966.20	57.50		.00	.00	.00	20.00	57.50	-1984.80	2097.10	429.40	212.70	1774	
2B484-5	663.00	966.20	57.50		.00	.00	.00	20.00	57.50	-1984.90	2432.60	427.60	12.10	1775	
2B484-6	663.00	966.20	57.50		.00	.00	.00	20.00	57.50	-1984.90	2432.60	427.60	12.10	1775	
2B484-7	663.00	966.20	57.50		.00	.00	3.0	20.00	57.50	-1985.00	2590.40	426.90	-103.50	1775	
2B484-8	663.00	966.20	57.50		.00	.00	3.0	20.00	57.50	-1985.00	3121.20	425.20	-586.90	1775	
2B485-1	663.00	966.20	57.50		.00	.00	7.0	20.00	57.50	-1985.00	3408.20	425.60	-903.80	1775	
2B485-2	663.00	966.20	57.50		.00	.00	7.0	20.00	57.50	-1985.20	3306.70	426.80	-784.30	1775	
2B485-3	663.00	966.20	57.50		.00	.00	19.0	20.00	57.50	-1986.60	2293.10	430.60	107.10	1775	
2B485-4	663.00	966.20	57.50		.00	.00	19.0	20.00	57.50	-1989.90	262.10	432.50	163.40	1775	
2B485-5	1356.00	1003.70	55.00		.00	.00	32.0	20.00	57.50	-1999.90	2696.20	426.40	-188.50	1775	
2B485-6	1356.00	1003.70	55.00		.00	.00	32.0	20.00	57.50	-1999.90	2837.40	425.90	-310.80	1775	
2B485-7	1356.00	1003.70	55.00		.00	.00	32.0	20.00	57.50	-1999.90	2837.40	425.90	-310.80	1775	
2B485-8	1356.00	1003.70	55.00		.00	.00	32.0	20.00	57.50	-1999.90	2837.40	425.90	-310.80	1775	

DATE QS2275

PAGE 397

S082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE I - 156

SHUTTER			FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP		
OPEN	CLOSE	TIME		-G-									OP	CL	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
257:15:34:43:808	35:47:889	1: 4: 81	28486-1	L	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK	OK
257:15:35:49:554	40: 5:794	4:16:240	28486-2	S	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK	OK
257:15:40: 7:460	44:23:528	4:16: 66	28486-3	L	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK	OK
257:15:44:25:111	1:29:758	17: 4:647	28486-4	S	LMB PT	AUTO	X	X	5	MA	6	X	H1	OK	OK
257:18:35:28:807	36: 8:897	0:42: 0	28486-5	S	LMB PT	MAN	X	X	5	MA	6	X	H1	OK	OK
257:18:36:19:557	36:20: 57	0: 0:500	28486-6	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
257:18:37:51: 0	37:51: 0	0: 0: 0	28486-7	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
257:18:37:51:307	38:30:807	0:39:500	28486-8	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
257:18:39:37:500	39:37:500	0: 2: 0	28487-1	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
257:18:39:37:807	42:16:867	2:39: 0	28487-2	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
257:18:42:25:557	45: 4:840	2:39:283	28487-3	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
257:18:45:46:920	50:45:821	4:58:901	28487-4	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
257:18:51: 8:570	53:47:816	2:39:246	28487-5	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
257:18:54:22:807	4:22:807	10: 0: 0	28487-6	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
257:19: 4:33:807	9:32:770	4:58:963	28487-7	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
257:23:17:49:381	18:29:128	0:39:747	28487-8	S		MAN	X	X	5	MA	6	X	H1	OK	OK
257:23:18:43:711	21:23:121	2:39:410	28488-1	S		MAN	X	X	5	MA	6	X	H1	OK	OK
258:19:39:16:267	41:55:257	2:38:990	28488-2	S		MAN	X	X	5	ML	6	X	H1	OK	OK
258:19:46:21:414	47: 1:246	0:39:832	28488-3	S		MAN	X	X	5	ML	6	X	H1	OK	OK
258:19:47:32:858	47:42:358	0: 9:500	28488-4	S		MAN	X	X	5	ML	6	X	H1	OK	OK

S082B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 156

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z (M)	ORBIT NO.		
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)			(ARCSEC)		(ARCMINS)	(KM)	(KM)				
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA- OPEN	-Z- OPEN	(AA)	(BB)	(CC)		
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)		
2B486-1	1356.00	1003.70	55.00				32.0		20.00	57.50	-1999.90	2967.20	425.50	-432.20	1775
2B486-2	1356.00	1003.70	55.00	.00	.00	.00	33.0		20.00	57.50	-1999.90	3083.80	425.30	-548.30	1775
2B486-3	1357.00	1003.70	55.00	.00	.00	.00	32.0		20.00	57.50	-1999.90	3392.20	425.60	-885.20	1776
2B486-4	1358.00	1003.70	55.00	.00	.00	.00	32.0		20.00	57.50	-2000.20	3235.60	427.20	-704.40	1776
2B486-5	803.90	967.50	57.50				-5.0		20.00	57.50	-2029.50	2128.10	428.90	196.30	1777
2B486-6	803.90	967.50	57.50	.00	.00	.00	-5.0		20.00	57.50	-2029.60	2294.80	428.00	101.50	1777
2B486-7	803.90	967.50	57.50	.00	.00	.00	.0		20.00	57.50	-2029.60	2294.80	428.00	101.50	1777
2B486-8	803.90	972.50	57.50	.00	.00	.00	.0		20.00	57.50	-2029.60	2455.30	427.20	-4.20	1777
2B487-1	803.90	967.50	57.50	.00	.00	.00	5.0		20.00	57.50	-2029.60	2294.80	428.00	101.50	1777
2B487-2	803.90	972.50	57.50	.00	.00	.00	4.0		20.00	57.50	-2029.60	2752.40	426.10	-236.30	1777
2B487-3	803.90	972.50	57.50	.00	.00	.00	5.0		20.00	57.50	-2029.60	3114.40	425.20	-579.90	1777
2B487-4	803.50	972.50	57.50	.00	.00	.00	1.00		20.00	57.50	-2029.60	3327.80	425.30	-811.60	1777
2B487-5	803.50	972.50	57.50	.00	.00	.00	8.0		20.00	57.50	-2030.00	3163.00	427.50	-625.60	1777
2B487-6	803.50	972.50	57.50	.00	.00	.00	20.0		20.00	57.50	-2030.40	2824.10	429.00	-292.60	1777
2B487-7	803.90	972.50	57.50	.00	.00	.00	20.0		20.00	57.50	-2033.10	1046.40	432.10	422.30	1778
2B487-8	-27.00	961.20	-142.50	.00	.00	.00	.0		20.00	57.50	-2073.40	2476.00	426.80	-19.50	1780
2B488-1	-27.00	961.20	-142.50	.00	.00	.00	.0		20.00	57.50	-2073.50	2624.00	426.20	-131.00	1780
2B488-2	-102.00	-5.00	560.00	.00	.00	.00	.0		20.00	57.50	-2255.90	3134.30	426.60	-597.60	1792
2B488-3	-102.00	42.50	560.00	.33	93.75	.00	.0		20.00	57.50	-2256.70	2632.10	429.60	-130.60	1792
2B488-4	-102.00	52.50	560.00	.33	62.50	.00	.0		20.00	57.50	-2256.80	2504.40	430.00	-33.70	1792
				.00	.00	.00	.00		20.00	57.50					

DATE 052275

PAGE 399

5082B-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1- 157

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP			
OPEN	CLOSE	TIME	-G#	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
259: 0: 7:11:859	7:55:109	0:43:250	28488-5	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259: 0: 8: 2:859	8: 3:609	0: 0:750	28488-6	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259: 0: 8: 3:700	8: 3:800	0: 0:100	28488-7	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259: 0: 9: 9:237	9:48:568	0:39:331	28488-8	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259: 0:10:35:566	10:36:316	0: 0:750	28489-1	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259: 0:11: 5: 63	13:44:555	2:39:492	28489-2	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259: 0:13:57: 54	16:36:548	2:39:494	28489-3	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259: 0:17: 8:464	22: 7:609	4:59:145	28489-4	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259: 0:22:26:859	25: 6:609	2:39:750	28489-5	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259: 0:26: 1:609	36: 0:491	9:58:882	28489-6	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259: 0:36:14:655	41:14:476	4:59:821	28489-7	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259:11:24:32:408	29:51:658	5:19:250	28489-8	S		MAN	X	X	5	MA	6	X	H1	OK	OK
259:11:33: 8:408	38:27:408	5:19: C	28490-1	S		MAN	X	X	5	MA	6	X	H1	OK	OK
259:14:22:32:908	25:12: 91	2:39:183	28490-2	S		MAN	X	X	5	GS	6	X	H1	OK	OK
259:14:37: 0:658	39:40:158	2:39:500	28490-3	S		MAN	X	X	5	MA	6	X	H1	OK	OK
259:21:45:34:908	46:14:158	0:39:250	28490-4	S	LMB PT	MAN	X	X	5		6	X	H1	OK	OK
259:21:46:19:658	46:19:908	0: 0:250	28490-5	L	LMB PT	MAN	X	X	5		6	X	H1	OK	OK
259:21:48:26:908	49: 8:158	0:39:250	28490-6	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259:21:49:16: 0	49:16: 0	C: G: C	28490-7	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259:21:50: 9:658	52:49:158	2:39:500	28490-8	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK

DATE 052275

PAGE 400

SC82B-EDB  
INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
PAGE 2- 157

FRAME COUNT	EPC POINT				MAX PT EXC				LIMB OFF		--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT
	(ARCMINS)		(ARCSEC)		(ARCMINS)		(ARCSEC)		(ARCSEC)		(ARCMINS)		(ARCMINS)		(KM)	(KM)	NO.
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-	OPEN	OPEN	(AA)	(BB)	(CC)
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)					(Y)	(Z)			
28488-5	613.00	968.80	57.50				-4.0		20.00	57.50	-2295.90	2069.20	427.40	223.10	1795		
28488-6	613.00	968.80	57.50	.00	.00	.00	-4.0	.00	20.00	57.50	-2295.90	2219.10	426.70	143.60	1795		
28488-7	613.00	968.80	57.50	.00	.00	.00	-4.0	.00	20.00	57.50	-2295.90	2219.10	426.70	143.60	1795		
28488-8	613.00	968.80	57.50	.00	.00	.00	.0	.00	20.00	57.50	-2295.90	2361.80	426.20	56.50	1795		
28489-1	613.00	968.80	57.50	.00	.00	.00	.0	.00	20.00	57.50	-2295.90	2496.20	425.80	-35.70	1795		
28489-2	613.00	968.80	57.50	.00	.00	.00	4.0	.00	20.00	57.50	-2295.90	2620.80	425.60	-129.70	1795		
28489-3	614.00	968.80	57.50	.00	.00	.00	4.0	.00	20.00	57.50	-2295.80	2835.10	425.30	-310.00	1795		
28489-4	614.00	968.80	57.50	.00	.00	.00	6.0	.00	20.00	57.50	-2295.80	3080.20	426.00	-543.20	1795		
28489-5	614.00	968.80	57.50	.00	.00	.00	6.0	.00	20.00	57.50	-2296.10	2963.00	428.00	-422.80	1795		
28489-6	615.00	968.80	57.50	.00	.00	.00	20.0	.00	20.00	57.50	-2296.70	2569.00	429.70	-81.70	1795		
28489-7	615.00	968.80	57.50	.00	.00	.00	20.0	.00	20.00	57.50	-2299.30	1003.50	431.70	416.80	1795		
28489-8	-1054.00	-6.30	-832.50	.00	.00	.00	.0	.00	20.00	57.50	-2388.30	1763.70	431.20	349.30	1802		
28490-1	-1054.00	163.70	-396.20	.00	62.50	.00	.0	.00	20.00	57.50	-2390.90	231.50	431.50	146.00	1802		
28490-2	-7110.00	-56.30	-324.00	.00	92.50	.00	.0	.00	20.00	57.50	-2400.00	670.00	428.80	340.90	1804		
28490-3	360.00	-824.00	132.00	.00	.00	.00	.0	.00	20.00	57.50	-2400.30	670.00	431.40	340.90	1804		
28490-4	-7493.00	-931.20	57.50	.00	.00	.00	-4.0	.00	20.00	57.50	-2471.60	871.20	433.90	396.00	1808		
28490-5	-7493.00	-931.20	57.50	.00	.00	.00	-4.0	.00	20.00	57.50	-2471.70	997.40	432.60	416.70	1808		
28490-6	-7492.00	-935.00	57.50	.00	.00	.00	.0	.00	20.00	57.50	-2471.90	1354.30	430.30	425.80	1808		
28490-7	-7492.00	-935.00	57.50	.00	.00	.00	4.0	.00	20.00	57.50	-2472.00	1597.40	428.40	388.80	1808		
28490-8	-7492.00	-935.00	57.50	.00	.00	.00	4.0	.00	20.00	57.50	-2472.00	1597.40	428.40	388.80	1808		

DATE 052275

PAGE 401

S082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 1 - 158

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		UP EXP						TEMP			
OPEN	CLOSE	TIME	-G-	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
259:21:52:58:908	55:38:158	2:39:250	28491-1	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259:21:56: 9:408	1: 9:158	4:59:750	28491-2	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259:22: 1:19:658	3:59:158	2:39:500	28491-3	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259:22: 5:20:408	15:19:812	9:59:404	28491-4	S	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
259:22:17:18: 57	22:17:791	4:59:734	28491-5	L	LMB PT	MAN	X	X	5	G3	6	X	H1	OK	OK
260:10:43:56:208	46:36:208	2:40: 0	28491-6	S		MAN	X	X	5	GS	6	X	H1	OK	OK
260:13:35:35:898	40:55:718	5:19:820	28491-7	S	BORE	MAN	X	X	5	ML	6	X	H1	OK	OK
260:13:43:27:125	48:46:695	5:19:570	28491-8	S	BORE	MAN	X	X	5	ML	6	X	H1	OK	OK
260:13:49:33:708	54:52:708	5:19: 0	28492-1	S	BORE	MAN	X	X	5	ML	6	X	H1	OK	OK
260:13:56: 4:708	1:24:708	5:20: 0	28492-2	S	BORE	MAN	X	X	5	ML	6	X	H1	OK	OK
260:19:42:36:833	45:36:744	2:59:911	28492-3	S	LMB PT	MAN	X	X	5	MA	6	X	H1	OK	OK
260:20:59:43:365	59:52:615	0: 9:250	28492-4	S		MAN	X	X	5		6	X	H1	OK	OK
260:20:59:56:448	0:35:708	0:39:260	28492-5	S		MAN	X	X	5		6	X	H1	OK	OK
261:11:16:48:133	17:27:964	0:39:831	28492-6	S		MAN	X	4	5		6	X	H1	OK	OK
261:11:17:51:545	20:30:955	2:39:410	28492-7	S		MAN	X	4	5	GS	6	X	H1	OK	OK
261:11:22: 0:615	22:39:946	0:39:331	28492-8	S		MAN	X	4	5	GS	6	X	H1	OK	OK
261:11:22:59:278	25:38:940	2:39:662	28493-1	S		MAN	X	4	5	GS	6	X	H1	OK	OK
261:11:36:40:708	37:19:958	0:39:250	28493-2	S		MAN	X	X	5	GS	6	X	H1	OK	OK
261:11:37:36:708	40:15:958	2:39:250	28493-3	S		MAN	X	X	5	GS	6	X	H1	OK	OK
261:14:27: 6:668	29:46:409	2:39:741	28493-4	S	BORE	MAN	X	4	5	ML	6	X	H1	OK	OK

DATE 052275

PAGE 402

SD82B-EDB

INSTRUMENT OPERATION  
PAGE 2- 158

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF		NRL BIAS		ANGLE		ALTITUDE	Z (M)	ORBIT		
	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCMINS)	(ARCSEC)	(ARCSEC)	(ARCSEC)	(ARCSEC)	(ARCMINS)	(KM)	(KM)	(NO.)				
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1	-BETA-	-Z-							
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)				
28491-1	-7492.00	-935.00	57.50				3.0	20.00	57.50	-2472.00	1901.70	427.00	295.30	1808			
28491-2	-7491.00	-935.00	57.50	.00	.00	.00	8.0	20.00	57.50	-2472.00	2431.60	425.60	9.00	1808			
28491-3	-7490.00	-935.00	57.50	.00	.00	.00	1.00	20.00	57.50	20.00	57.50	-2471.80	2852.70	426.00	-324.30	1808	
28491-4	-7490.00	-935.00	57.50	.00	.00	.00	20.0	1.00	20.00	57.50	20.00	57.50	-2471.90	2905.80	427.50	-370.00	1808
28491-5	-7489.00	-935.00	57.50	.00	.00	.00	20.0	1.00	20.00	57.50	20.00	57.50	-2474.30	1686.00	431.10	371.20	1808
28491-6	697.10	-728.70	70.00	.00	.00	.00	.0	20.00	57.50	-2565.20	1650.40	431.00	380.00	1816			
28491-7	-2.30	17.50	1043.70	.00	.00	.00	.0	20.00	57.50	20.00	57.50	-2584.70	2791.60	427.20	-267.60	1818	
28491-8	-1.30	15.00	1043.70	.00	.00	.00	.0	20.00	57.50	20.00	57.50	-2585.30	2460.50	430.00	-2.60	1818	
28492-1	-2.00	20.00	1043.70	.00	.00	.00	.0	20.00	57.50	-2586.70	1716.40	430.90	362.80	1818			
28492-2	-1.00	20.00	1047.50	.00	.00	.00	.0	20.00	57.50	-2588.60	598.00	430.90	316.30	1818			
28492-3	-1742.00	-938.70	58.70	.00	.00	.00	4.0	20.00	57.50	-2626.70	2452.00	425.90	-4.50	1821			
28492-4	.00	20.00	557.50	.00	.00	.00	.0	20.00	57.50	-2636.30	46.60	437.60	33.90	1822			
28492-5	.00	20.00	557.50	.00	.00	.00	.0	20.00	57.50	-2636.30	85.50	437.80	33.90	1822			
28492-6	-803.20	168.70	46.20	.00	.00	.00	.0	20.00	57.50	-2722.20	2400.50	426.30	31.20	1831			
28492-7	-802.90	168.70	46.20	.00	.00	.00	.0	20.00	57.50	-2722.10	2479.10	426.50	-22.20	1831			
28492-8	-802.90	168.70	46.20	.00	.00	.00	.0	20.00	57.50	-2722.00	2668.30	428.20	-162.20	1831			
28493-1	-803.20	168.70	46.20	.00	.00	.00	.0	20.00	57.50	-2722.00	2668.30	428.20	-162.20	1831			
28493-2	-802.50	168.70	46.20	.00	.00	.00	.0	20.00	57.50	-2724.30	1464.50	430.60	414.60	1831			
28493-3	-802.90	168.70	46.20	.00	.00	.00	.0	20.00	57.50	-2724.60	1318.40	430.50	428.20	1831			
28493-4	-454.00	3.80	1051.20	.00	.00	.00	.0	20.00	57.50	-2739.40	2631.60	427.90	-133.50	1833			

SD82B-EDB

INSTRUMENT OPERATION  
PAGE 1 - 159

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP				
OPEN	CLOSE	EXPOSURE TIME	-G#		(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)
261:14:30:29:490	31: 8:458	0:38:968	28493-5	S	BORE	MAN	X	X	5	G5	6	X	H1	OK			OK
261:14:37:35:466	40:14:459	2:38:993	28493-6	S	BORE	MAN	X	X	5	ML	6	X	H1	OK			OK
261:14:40:24:708	41: 4:457	0:39:749	28493-7	S	BORE	MAN	X	X	5	ML	6	X	H1	OK			OK
261:14:44:29:458	47: 8:458	2:39: 0	28493-8	S	BORE	MAN	X	X	5	MA	6	X	H1	OK			OK
261:14:50:57:208	53:36:458	2:39:250	28494-1	S	BORE	MAN	X	X	5	G5	6	X	H1	OK			OK
261:22:35:43:671	38:23:246	2:39:575	28494-2	S		MAN	X	X	5	G3	6	X	H1	OK			OK
262: 7:42: 7:758	44:47:258	2:39:500	28494-3	S		MAN	X	X	5	G3	6	X	H1	OK			OK
262: 7:51:29:258	54: 8:140	2:38:882	28494-4	S		MAN	X	X	5	G3	6	X	H1	OK			OK
262: 9:22:34:758	25:14:758	2:40: 0	28494-5	S		MAN	X	X	5	G3	6	X	H1	OK			OK
262: 9:25:23: 8	26: 3: 8	0:40: 0	28494-6	S		MAN	X	X	5	G3	6	X	H1	OK			OK
262: 9:30: 1:258	32:40:522	2:39:264	28494-7	S		MAN	X	X	5	MA	6	X	H1	OK			OK
262: 9:32:43:687	33:23:520	0:39:833	28494-8	S		MAN	X	X	5	MA	6	X	H1	OK			OK
262:10:19: 9:258	21:48:508	2:39:250	28495-1	S		MAN	X	X	5	G5	6	X	H1	OK			OK
262:10:22:22:508	23: 2:508	0:40: 0	28495-2	S		MAN	X	X	5	G5	6	X	H1	OK			OK
262:10:27:42:258	28:21:508	0:39:250	28495-3	S		MAN	X	X	5	G3	6	X	H1	OK			OK
262:10:28:33:258	31:12:352	2:39: 94	28495-4	S		MAN	X	X	5	G3	6	X	H1	OK			OK
262:10:38:30:166	39: 9:326	0:39:160	28495-5	S		MAN	X	X	5	G3	6	X	H1	OK			OK
262:10:39:29:325	42: 8:508	2:39:183	28495-6	S		MAN	X	X	5	G3	6	X	H1	OK			OK
262:10:47: 2:258	47:41:508	0:39:250	28495-7	S		MAN	X	X	5	G3	6	X	H1	OK			OK
262:10:47:54:508	50:34:508	2:40: 0	28495-8	S		MAN	X	X	5	G3	6	X	H1	OK			OK

S0828-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 2- 159

FRAME COUNT	EPC POINT			MAX PT EXC			LIMB OFF	--NRL BIAS--		ANGLE		ALTITUDE	Z(M)	ORBIT NO.
	(ARCMINS)			(ARCSEC)	(ARCMINS)	(ARCSEC)		(ARCSEC)	(ARCSEC)	(ARCMINS)	(KM)	(KM)		
	GAMRR	GAMX	GALLY	GAMRR	GAMX	GAMY		GXB1	GYB1	-BETA-	-Z-			
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)		(Y)	(Z)	(AA)	(BB)	(CC)
28493-5	-454.00	3.80	1051.20		.00	.00	.00	20.00	57.50	-2739.50	2635.90	428.90	-134.80	1833
28493-6	-454.00	3.80	1051.20		.00	.00	.00	20.00	57.50	-2740.40	2161.50	430.50	181.60	1833
28493-7	-454.00	3.80	1051.20		.00	.00	.00	20.00	57.50	-2741.10	1804.50	430.60	335.50	1833
28493-8	191.00	-536.20	196.20		.00	.00	.00	20.00	57.50	-2742.10	1244.00	430.50	430.40	1833
28494-1	191.00	441.20	176.20		.00	.00	.00	20.00	57.50	-2743.60	144.60	430.90	94.60	1833
28494-2	-5401.90	253.70	-150.70		.00	.00	.00	20.00	57.50	-2784.30	403.60	430.50	235.20	1838
28494-3	155.00	-886.20	27.50		.00	.00	.00	20.00	57.50	-2825.80	2198.60	430.20	161.10	1843
28494-4	155.00	296.20	315.00		.00	.00	.00	20.00	57.50	-2827.80	1069.10	430.10	422.80	1843
28494-5	292.30	476.20	-73.70		.00	.00	.00	20.00	57.50	-2834.10	1393.40	430.10	422.20	1844
28494-6	292.70	476.20	-73.70		.00	.00	.00	20.00	57.50	-2834.80	959.70	430.10	409.30	1844
28494-7	292.70	476.20	.00		.00	.00	.00	20.00	57.50	-2835.70	189.20	431.00	121.50	1844
28494-8	293.00	476.20	.00		.00	.00	.00	20.00	57.50	-2835.90	-240.40	432.60	416.00	1844
28495-1	262.00	477.50	-77.50		.00	.00	.00	20.00	57.50	-2839.30	163.90	433.20	106.70	1845
28495-2	262.00	477.50	-77.50		.00	.00	.00	20.00	57.50	-2839.50	631.20	430.10	327.60	1845
28495-3	262.00	471.20	-77.50		.00	.00	.00	20.00	57.50	-2839.40	1371.00	426.90	420.70	1845
28495-4	262.00	471.20	-77.50		.00	.00	.00	20.00	57.50	-2839.30	1508.50	426.70	403.30	1845
28495-5	263.00	483.70	-77.50		.00	.00	.00	20.00	57.50	-2838.50	2479.40	427.90	-19.80	1845
28495-6	263.00	483.70	-77.50		.00	.00	.00	20.00	57.50	-2838.50	2517.20	428.20	-46.20	1845
28495-7	264.00	495.00	-77.50		.00	.00	.00	20.00	57.50	-2839.00	2319.90	430.10	90.00	1845
28495-8	264.00	495.00	-77.50		.00	.00	.00	20.00	57.50	-2839.00	2319.90	430.10	90.00	1845

DATE 052275

PAGE 405

S082B-EDB  
 INSTRUMENT OPERATION  
 PAGE 1 - 160

5-22-75 AT 2 HOURS 55 MINS 48 SECS

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)	OP EXP								TEMP			
OPEN	CLOSE	TIME	-G#		(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	
262:11: 5:39: 8	6:18:508	0:39:500	28496-1	S		MAN	X	X	5	GS	6	X	H1	OK		OK
262:16:46:59:679	47: 2:346	0: 2:667	28496-2	S		AUTO	X	X	5	G3	6	X	H1	OK		OK
262:16:47: 4: 12	47: 4:512	0: 0:500	28496-3	L		AUTO	X	X	5	G3	6	X	H1	OK		OK
262:16:47: 6: 96	47:16:262	0:16:166	28496-4	S		AUTO	X	X	5	G3	6	X	H1	OK		OK
262:16:47:17:929	47:19:346	0: 1:417	28496-5	L		AUTO	X	X	5	G3	6	X	H1	OK		OK
262:16:47:21: 12	48: 1:177	0:48:165	28496-6	S		AUTO	X	X	5	G3	6	X	H1	OK		OK
262:16:48: 2:760	48: 7:927	0: 5:167	28496-7	L		AUTO	X	X	5	G3	6	X	H1	OK		OK
262:16:48: 9:593	50:49:671	2:49: 78	28496-8	S		AUTO	X	X	5	G3	6	X	H1	OK		OK
262:16:50:53:171	51:13:254	0:20: 83	28497-1	L		AUTO	X	X	5	GS	6	X	H1	OK		OK
262:16:52:48:417	58: 7:402	5:18:985	28497-2	S		MAN	X	X	5	MA	6	X	H1	OK		OK
262:17: 4:15: 8	6:54:375	2:39:367	28497-3	S		MAN	X	X	5	GS	6	X	H1	OK		OK
262:17: 7:17:540	7:57:371	0:39:831	28497-4	S		MAN	X	X	5	G3	6	X	H1	OK		OK
262:17:11:30:944	14:10:355	2:39:411	28497-5	S		MAN	X	X	5	GS	6	X	H1	OK		OK
262:17:14:17:522	14:57:354	0:39:832	28497-6	S		MAN	X	X	5	G3	6	X	H1	OK		OK
262:17:16:47:258	19:26:508	2:39:250	28497-7	S		MAN	X	X	5	GS	6	X	H1	OK		OK
262:17:19:31:508	20:10:506	0:39: 0	28497-8	S		MAN	X	X	5	GS	6	X	H1	OK		OK
262:18:14: 1:428	16:41:170	2:39:742	28498-1	S		MAN	X	X	5	MA	6	X	H1	OK		OK
262:18:17: 2: 4	17:41:169	0:39:165	28498-2	S		MAN	X	X	5	MA	6	X	H1	OK		OK
262:18:17:57: 2	18: 6:169	0: 9:167	28498-3	S		MAN	X	X	5	MA	6	X	H1	OK		OK
262:18:23: 6:239	25:46:146	2:39:907	28498-4	S		MAN	X	X	5	GS	6	X	H1	OK		OK

S082B-EDB  
INSTRUMENT OPERATION  
PAGE 2- 160

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT (ARCMINS)	EPC POINT			MAX PT EXC			LIMB OFF (ARCSEC)	--NRL BIAS-- (ARCSEC)		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.			
	GAMRR (D)	GAMX (Q)	GAMY (R)	GAMRR (S)	GAMX (T)	GAMY (U)		GXB1 (V)	GYB1 (W)	-BETA- OPEN	-Z- OPEN					
28496-1	264.00	322.50	325.00				0	20.00	57.50	-2842.50	-183.10	432.20	422.50 1845			
28496-2	-736.90	173.70	-181.20	.00	.00	.00	.00	20.00	57.50	20.00	57.50	427.00	219.80 1848			
28496-3	-736.90	173.70	-181.20	.00	.00	.00	.00	20.00	57.50	-2864.00	2074.60	427.20	171.00 1848			
28496-4	-736.90	173.70	-181.20	.00	.00	.00	.00	20.00	57.50	-2863.90	2170.80	427.20	171.00 1848			
28496-5	-736.90	173.70	-181.20	.00	.00	.00	.00	20.00	57.50	-2863.90	2170.80	427.20	171.00 1848			
28496-6	-736.90	173.70	-181.20	.00	.00	.00	.00	20.00	57.50	-2863.90	2170.80	427.20	171.00 1848			
28496-7	-736.90	173.70	-181.20	.00	.00	.00	.00	20.00	57.50	-2863.80	2257.20	427.40	122.90 1848			
28496-8	-736.90	173.70	-181.20	.00	.00	.00	.00	20.00	57.50	-2863.80	2257.20	427.40	122.90 1848			
28497-1	-736.90	173.70	-181.20	.00	.00	.00	.00	20.00	57.50	-2863.70	2397.30	428.00	36.50 1848			
28497-2	-736.90	173.70	-181.20	.00	.00	.00	.00	20.00	57.50	-2863.60	2488.30	428.60	-24.80 1848			
28497-3	-736.60	110.00	-191.20	.00	.00	.00	.00	20.00	57.50	-2864.80	1932.30	430.10	288.00 1849			
28497-4	-736.60	110.00	-191.20	.00	.00	.00	.00	20.00	57.50	-2865.40	1567.70	429.90	396.70 1849			
28497-5	-736.60	93.80	-291.20	.00	.00	.00	.00	20.00	57.50	20.00	57.50	-2866.30	1010.20	429.80 416.10 1849		
28497-6	-736.60	93.80	-291.20	.00	.00	.00	.00	20.00	57.50	-2866.90	559.50	430.10	301.60 1849			
28497-7	-736.60	233.70	-291.20	.00	.00	.00	.00	20.00	57.50	-2867.20	250.80	430.70	156.80 1849			
28497-8	-736.30	233.70	-291.20	.00	.00	.00	.00	20.00	57.50	-2867.60	-298.70	432.70	407.70 1849			
28498-1	-4.00	-13.70	561.20	.00	.00	.00	.00	20.00	57.50	-2870.40	1437.40	427.00	413.90 1849			
28498-2	-4.00	40.00	561.20	.00	60.00	.00	.00	20.00	57.50	-2870.20	1819.60	426.70	324.80 1849			
28498-3	-4.00	-10.00	561.20	.00	50.00	.00	.00	20.00	57.50	-2870.20	1819.60	426.70	324.80 1849			
28498-4	-4.00	390.00	315.00	.00	30.00	.00	.00	20.00	57.50	-2869.60	2374.90	427.90	51.10 1849			

DATE 052275 PAGE 407

S0828-EDB  
 INSTRUMENT OPERATION 5-22-75 AT 2 HOURS 55 MINS 48 SECS  
 PAGE 1- 161

SHUTTER		FRAME COUNT	-WVL-	STATE MODE (PRS)		OP EXP						TEMP		
OPEN	CLOSE	TIME	EXPOSURE						(O)	(P)	(O)	(P)		
			-G-											
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	
262:18:34:44: 39	35:23:120	0:39: 81	28498-5	S	MAN	X	X	5	GS	6	X	H1	OK	
262:18:46:30:502	51:30: 75	4:59:573	28498-6	S BORE	MAN	X	X	5	ML	6	X	H1	OK	
262:21:44:53: 74	59:52:807	14:59:733	28498-7	S	MAN	X	4	5	MA	6	X	H1	OK	
263: 9:53:56:134	56:35:737	2:39:573	28498-8	S	MAN	X	X	5	MA	6	X	H1	OK	
263:13: 6:57:994	11:57:226	4:59:232	28499-1	S BORE	MAN	X	X	5	MA	6	X	H1	OK	
263:13:12:13:226	12:32:225	0:18:999	28499-2	S BORE	MAN	X	X	5	ML	6	X	H1	OK	
263:13:13:46:390	33:46:358	19:59:968	28499-3	S BORE	MAN	X	X	5	ML	6	X	H1	OK	
263:14:26:40:343	27:20: 6	0:39:663	28499-4	S LMB PT	MAN	X	X	5	G3	6	X	H1	OK	
263:14:27:52:421	27:53: 4	0: 0:583	28499-5	L LMB PT	MAN	X	X	5	G3	6	X	H1	OK	
263:14:28:27: 86	29: 6: 0	0:38:914	28499-6	S LMB PT	MAN	X	X	5	G3	6	X	H1	OK	
263:14:30:43:249	30:43:915	0: 0:666	28499-7	L LMB PT	MAN	X	X	5	GS	6	X	H1	OK	
263:14:37:21:608	40: 0:975	2:39:367	28499-8	S LMB PT	MAN	X	X	5	G3	6	X	H1	OK	
263:14:40:32:358	43:12:108	2:39:750	28500-1	L LMB PT	MAN	X	X	5	G3	6	X	H1	OK	

DATE 052275

PAGE 408

S0828-EDB  
 INSTRUMENT OPERATION  
 PAGE 2- 161

5-22-75 AT 2 HOURS 55 MINS 48 SECS

FRAME COUNT	EPC POINT		MAX PT EXC		LIMB OFF	NRL BIAS		ANGLE (ARCMINS)	ALTITUDE (KM)	Z(M) (KM)	ORBIT NO.						
	(ARCMINS)		(ARCSEC)			(ARCMINS)											
	GAMRR	GAMX	GAMY	GAMRR	GAMX	GAMY	GXB1	GYB1									
(D)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(BB)	(CC)				
2B498-5	-3.60	642.50	171.20				.0		20.00	57.50	-2870.10	2246.80	430.20	133.70	1850		
2B498-6	-6516.90	75.00	1047.50	.00	.00	.00	.0	.00	20.00	57.50	20.00	57.50	-2872.60	752.90	429.90	364.90	1850
2B498-7	534.90	-970.00	56.30	.00	.00	.00	.0	.00	20.00	57.50	20.00	57.50	-2881.90	1903.30	430.10	299.30	1851
2B498-8	-26.70	-925.00	77.50	.00	.00	.00	.0	.00	20.00	57.50	20.00	57.50	-2919.20	2113.50	427.50	201.50	1859
2B499-1	-849.00	25.00	1062.50	.00	.00	.00	.0	.00	20.00	57.50	20.00	57.50	-2926.40	2455.60	429.40	-.40	1861
2B499-2	-848.70	25.00	1062.50	.00	.00	.00	.0	.00	20.00	57.50	20.00	57.50	-2926.80	2300.90	430.00	101.30	1861
2B499-3	-848.70	25.00	1062.50	.00	.03	.00	.0	.00	20.00	57.50	20.00	57.50	-2926.90	2231.80	430.00	142.00	1861
2B499-4	733.00	-931.20	41.20	.00	.00	.00	-4.0	.00	20.00	57.50	20.00	57.50	-2931.30	1311.10	427.10	424.90	1861
2B499-5	733.00	-931.20	41.20	.00	.00	.00	-1.0	.00	20.00	57.50	20.00	57.50	-2931.20	1444.20	427.00	413.10	1861
2B499-6	733.00	-931.20	41.20	.00	.00	.00	.0	.00	20.00	57.50	20.00	57.50	-2931.10	1572.50	427.00	392.10	1861
2B499-7	733.00	-931.20	41.20	.00	.00	.00	.0	.00	20.00	57.50	20.00	57.50	-2930.80	1811.80	427.20	328.10	1861
2B499-8	734.00	-931.20	41.20	.00	.00	.00	4.0	.00	20.00	57.50	20.00	57.50	-2930.10	2385.10	428.90	46.20	1862
2B500-1	734.00	-931.20	41.20	.00	.00	.00	4.0	.00	20.00	57.50	20.00	57.50	-2930.10	2458.60	429.60	-2.10	1862
				.00	.00	.00	.00	.00	20.00	57.50							