

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
1	162 00:00:00	31				VGR-31 OWLT IS 11H 09M 46S					1L
2	162 00:00:00	32				VGR-32 OWLT IS 08H 47M 29S					2L
3	162 00:25:23	32	40	SET		10 DEGREE SET DSC-40					2V
4	162 01:44:30	31	10	RISE		10 DEGREE RISE DSC-10					1V
5	162 04:20:00	31	54	LO	OPCH ACE	LOS DSS-54 PASS-8703					1DP
6	162 05:49:03	31	60	SET		10 DEGREE SET DSC-60					1V
7	162 08:29:29	32	40	RISE		10 DEGREE RISE DSC-40					2V
8	162 09:13:20	31	40	RISE		10 DEGREE RISE DSC-40					1V
9	162 12:00:00	31				VGR-31 OWLT IS 11H 09M 49S					1L
10	162 12:00:00	32				VGR-32 OWLT IS 08H 47M 29S					2L
11	162 13:14:50	31	10	SET		10 DEGREE SET DSC-10					1V
12	162 13:45:00	32	43	AO	OPCH ACE	AOS DSS-43 PASS-8720 (U/L PASS) XMTR ON PER TELECOM MESSAGE					2DP
13	162 14:03:55	32			AC7SSB	(3 -005) SS BIAS CONTROL - PITCH	AACS		09559:59:003F	01-162/05:17:35	2ECa
14	162 18:07:36	31	60	RISE		10 DEGREE RISE DSC-60					1V
15	162 18:16:55	31	40	SET		10 DEGREE SET DSC-40					1V
16	162 18:56:30	32			ACE ALL	>>>>>>>> 1 HR WARNING <<<<<<<<< FOR S/C-32 COMMAND MORATORIUM					2T
17	162 19:30:00	31	63	AO	OPCH ACE	AOS DSS-63 PASS-8704 (D/L ONLY)					1DP
18	162 19:56:30	32			ACE ALL	BEGIN S/C-32 COMMAND MORATORIUM					2T
19	162 21:45:00	32	43	LO	OPCH ACE	LOS DSS-43 PASS-8720					2DP
20	163 00:00:00	31				VGR-31 OWLT IS 11H 09M 52S					1L
21	163 00:00:00	32				VGR-32 OWLT IS 08H 47M 29S					2L

INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
22	163 00:21:25	32	40	SET		10 DEGREE SET DSC-40					2V
23	163 00:25:00	31	63	LO	OPCH ACE	LOS DSS-63 PASS-8704					1DP
24	163 01:40:32	31	10	RISE		10 DEGREE RISE DSC-10					1V
25	163 05:30:00	31	14	AO	OPCH ACE	AOS DSS-14 PASS-8705 (D/L ONLY)					1DP
26	163 05:45:05	31	60	SET		10 DEGREE SET DSC-60					1V
27	163 07:55:00	32	43	AO	OPCH ACE	AOS DSS-43 PASS-8721 (U/L PASS) XMTR ON PER TELECOM MESSAGE					2DP
28	163 08:25:26	32	40	RISE		10 DEGREE RISE DSC-40					2V
29	163 09:09:22	31	40	RISE		10 DEGREE RISE DSC-40					1V
30	163 11:35:00	31	14	LO	OPCH ACE	LOS DSS-14 PASS-8705					1DP
31	163 12:00:00	31				VGR-31 OWLT IS 11H 09M 55S					1L
32	163 12:00:00	32				VGR-32 OWLT IS 08H 47M 30S					2L
33	163 12:58:20	32				B- MISCMD			09588:37:001F	01-163/04:11:59	2TB
34	163 12:58:20	32				MISCMD - DIS GYRO FAULT CK			09588:37:001F	01-163/04:11:59	2T
35	163 12:58:20	32			CC7GY	(5) DRIRU FAULT TEST STOP	AACS		09588:37:001F	01-163/04:11:59	2ECa
36	163 13:01:32	32				B- GYONBC.32			09588:41:001F	01-163/04:15:11	2TB
37	163 13:01:32	32				BEGIN GYONBC32			09588:41:001F	01-163/04:15:11	2T
38	163 13:01:32	32			AC7GYP	(111) DRIRU PATTERN CONTROL GYRO/AXIS=B/PITCH C/YAW & ROLL	AACS		09588:41:003F	01-163/04:15:11	2ECa
39	163 13:01:32	32			CC7GARP	GYRO A OFF	PWR		09588:41:004F	01-163/04:15:11	2ECp
40	163 13:01:32	32					AACS		09588:41:004F	01-163/04:15:11	2ESa
						AACS STATUS MODE : CRU GYRO A: OFF HYBIC: 2 GYRO B: ON CST : ON GRYO C: OFF					
41	163 13:01:32	32			CC7GARP	GYRO A OFF	PWR		09588:41:006F	01-163/04:15:12	2ECp

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INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
42	163 13:01:32	32			CC7PC	(352) GYRO A OFF	AACS		09588:41:008F	01-163/04:15:12	2ECa
43	163 13:01:32	32			CC7GCP	GYRO C ON	PWR		09588:41:009F	01-163/04:15:12	2ECp
44	163 13:01:32	32				AACS STATUS MODE : CRU GYRO A: OFF HYBIC: 2 GYRO B: ON CST : ON GRYO C: ON	AACS	09588:41:009F	01-163/04:15:12	2ESa	
45	163 13:01:32	32			CC7GCP	GYRO C ON	PWR		09588:41:011F	01-163/04:15:12	2ECp
46	163 13:01:32	32			CC7PC	(373) GYRO C ON	AACS		09588:41:013F	01-163/04:15:12	2ECa
47	163 13:02:01	32				DRIRU INITIALIZATION			09588:41:484F	01-163/04:15:40	2T
48	163 13:02:02	32			CC7GY	(3) DRIRU INITIALIZE [P/Y/R]	AACS		09588:41:501F	01-163/04:15:41	2ECa
49	163 13:02:31	32				SET CALIB			09588:42:184F	01-163/04:16:10	2T
50	163 13:02:32	32			AC7PAR	(7530 000001) PARAMETER LOAD	AACS		09588:42:203F	01-163/04:16:11	2ECa
51	163 13:07:56	32			CC7GY	(3) DRIRU INITIALIZE [P/Y/R]	AACS		09588:49:002F	01-163/04:21:35	2ECa
52	163 13:10:08	32		ACE OPCH		>>>>>>> 5 MIN WARNING <<<<<<<<< FOR FDS MODE OR FDS STATUS CHG					2ESF
53	163 13:10:08	32		ACE OPCH		>>>>>>> 5 MIN WARNING <<<<<<<<< FOR CHG IN X-BD D/L CONFIG MOD INDEX=41 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ					22EC
54	163 13:10:52	31	10 SET			10 DEGREE SET DSC-10					1V
55	163 13:10:56	32		ACE OPCH		>>>>>>> 5 MIN WARNING <<<<<<<<< FOR FDS MODE OR FDS STATUS CHG					2ESF
56	163 13:10:56	32		ACE OPCH		>>>>>>> 5 MIN WARNING <<<<<<<<< FOR CHG IN X-BD D/L CONFIG MOD INDEX=32 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ					22EC
57	163 13:11:31	32				START GYRO FAULT TEST			09588:53:384F	01-163/04:25:10	2T
58	163 13:11:32	32			CC7GY	(4) DRIRU FAULT TEST START	AACS		09588:53:401F	01-163/04:25:11	2ECa

INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
59	163 13:11:33	32				END GYONBC32			09588:53:418F	01-163/04:25:12	2T
60	163 13:14:20	32				BEGIN PWSREC			09588:57:001F	01-163/04:27:59	2T
61	163 13:14:20	32				B- DRGS4B			09588:57:001F	01-163/04:27:59	2TB
62	163 13:14:20	32			SC06BB	(03 0 07 0) FDS MODE TO: GS-4B PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY	FDS		09588:57:010F	01-163/04:28:00	2ECf
63	163 13:15:04	32				BEGIN RECORDING PWS DATA			09588:57:734F	01-163/04:28:43	2T
64	163 13:15:04	32			CC16C	(3000) DTR STATE SELECT:115.2REC	DTR		09588:57:735F	01-163/04:28:43	2ECd
65	163 13:15:04	32				DTR STATUS MODE:REC RATE:115.2K DIR:R TRK:4 TIC:1156	DTR		09588:57:735F	01-163/04:28:43	2ESd
66	163 13:15:08	32		ACE OPCH		FDS STATUS GS-4B/X2.8K/S40 MEM:PB/FDS11 SA/FDS11 -----> GS-4B NOT RECOVERABLE ----> RETAIN CR-5T CONFIGURATION	FDS	GS-4B	09588:58:001F	01-163/04:28:47	2ESf
67	163 13:15:08	32			CC3A	(41310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=41 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ	MDS		09588:58:002F	01-163/04:28:47	2ECs
68	163 13:15:09	32				B- DRCRUS			09588:58:018F	01-163/04:28:48	2TB
69	163 13:15:09	32			SC06BB	(53 0 07 0) FDS MODE TO: PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY	FDS		09588:58:025F	01-163/04:28:49	2ECf



INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
82	163 14:15:20	31			SC06BB	(03 0 07 0) FDS MODE TO: GS-4B PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY	FDS		15732:10:009F	01-163/03:05:24	1ECf
83	163 14:16:04	31				BEGIN RECORDING PWS DATA			15732:10:734F	01-163/03:06:07	1T
84	163 14:16:04	31			CC16C	(3000) DTR STATE SELECT:115.2REC	DTR		15732:10:735F	01-163/03:06:08	1ECd
85	163 14:16:04	31				DTR STATUS MODE:REC RATE:115.2K DIR:R TRK:4 TIC:3241	DTR		15732:10:735F	01-163/03:06:08	1ESd
86	163 14:16:08	31		ACE OPCH		FDS STATUS GS-4B/X2.8K/S40 MEM:PA/FDS11 -----> GS-4B NOT RECOVERABLE ----> RETAIN CR-5T CONFIGURATION	FDS	GS-4B	15732:11:001F	01-163/03:06:11	1ESf
87	163 14:16:08	31			CC3A	(41310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=41 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ	MDS		15732:11:002F	01-163/03:06:11	1ECs
88	163 14:16:09	31				B- DRCRUS			15732:11:018F	01-163/03:06:12	1TB
89	163 14:16:09	31			SC06BB	(53 0 07 0) FDS MODE TO: PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY	FDS		15732:11:026F	01-163/03:06:13	1ECf
90	163 14:16:56	31		ACE OPCH		FDS STATUS CR-5T/X160/S10 MEM:PA/FDS11	FDS	CR-5T	15732:12:001F	01-163/03:06:59	1ESf

INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
91	163 14:16:56	31			CC3A	(32310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=32 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ	MDS		15732:12:002F	01-163/03:06:59	1ECs
92	163 14:16:56	31			CC16C	(7000) DTR STATE SELECT: READY	DTR		15732:12:002F	01-163/03:07:00	1ECd
93	163 14:16:56	31				DTR STATUS MODE:RDY RATE:000.0K DIR:R TRK:4 TIC:2948	DTR		15732:12:002F	01-163/03:07:00	1ESd
94	163 14:17:44	31			SC32AJ	(11) PLS CONFIG CMD	FDS		15732:13:009F	01-163/03:07:48	1ECf
95	163 14:17:45	31				END PWSREC.31			15732:13:018F	01-163/03:07:48	1T
96	163 16:55:00	32	43 LO	OPCH ACE		LOS DSS-43 PASS-8721					2DP
97	163 18:03:38	31	60RISE			10 DEGREE RISE DSC-60					1V
98	163 18:12:56	31	40 SET			10 DEGREE SET DSC-40					1V
99	163 19:45:00	31	63 AO	OPCH ACE		AOS DSS-63 PASS-8705 (U/L PASS) PERFORM RFSTLC PER TELECOM MESSAGE					1DP
100	163 22:10:34	31				B- UVSLEW			15742:04:001F	01-163/11:00:35	1TB
101	163 22:10:34	31				SLEW TO HELIO-19B			15742:04:001F	01-163/11:00:35	1T
102	163 22:10:34	31				B- PLATPOA			15742:04:001F	01-163/11:00:35	1TB
103	163 22:10:34	31			AC7SPK	(1 12 1 157 028) EL SLEW R=LOW	AACS		15742:04:003F	01-163/11:00:36	1ECa
104	163 22:15:24	31				B- SLEND			15742:10:034F	01-163/11:05:25	1TB
105	163 22:15:24	31			SLEWEND	AZ=125.000 EL=47.988 CO=43.720			15742:10:034F	01-163/11:05:25	1T
106	164 00:00:00	31				VGR-31 OWLT IS 11H 09M 58S					1L
107	164 00:00:00	32				VGR-32 OWLT IS 08H 47M 30S					2L

INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
108	164 00:15:00	31	63	OPCH 63		== START TLC TEST UP-LINK == == EXECUTE PER DSN SUPPLIED == == TUNING INSTRUCTIONS ==					1TD
109	164 00:15:00	31	63	OPCH 63		== TLC TEST UP-LINK == TURN RANGING MOD OFF (IF APPL)					1TD
110	164 00:16:00	31	63	OPCH 63		== TLC TEST UP-LINK == TURN COMMAND MOD OFF (IF APPL) NO COMMANDING FOR 1 HR 56 MIN					1TD
111	164 00:17:00	31	63	OPCH 63		== TLC TEST UP-LINK == == TUNE U/L AT 48 HZ/SEC == == TO XA-65 KHZ (S-BAND) ==					1TD
112	164 00:17:28	32	40	SET		10 DEGREE SET DSC-40					2V
113	164 00:42:00	31	63	OPCH 63		== END TLC TEST UP-LINK == == TURN TRANSMITTER OFF == TUNE TO TSF @ 48 HZ/SEC (S-BAND)					1TD
114	164 01:36:33	31	10	RISE		10 DEGREE RISE DSC-10					1V
115	164 05:25:00	31	25	AO	OPCH ACE	AOS DSS-25 PASS-8706 (D/L ONLY)					1DP
116	164 05:41:06	31	60	SET		10 DEGREE SET DSC-60					1V
117	164 05:45:00	31	63	LO	OPCH ACE	LOS DSS-63 PASS-8705					1DP
118	164 08:21:22	32	40	RISE		10 DEGREE RISE DSC-40					2V
119	164 08:35:00	32	34	AO	OPCH ACE	AOS DSS-34 PASS-8722 (U/L PASS) XMTR ON PER TELECOM MESSAGE					2DP
120	164 08:44:13	31			AC7SSB	(3 -001) SS BIAS CONTROL - PITCH	AACS		15755:16:003F	01-163/21:34:12	1ECa



INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
121	164 09:05:23	31	40RISE			10 DEGREE RISE DSC-40					1V
122	164 12:00:00	31				VGR-31 OWLT IS 11H 10M 01S					1L
123	164 12:00:00	32				VGR-32 OWLT IS 08H 47M 31S					2L
124	164 12:35:00	31	25 LO	OPCH ACE		LOS DSS-25 PASS-8706					1DP
125	164 13:06:53	31	10 SET			10 DEGREE SET DSC-10					1V
126	164 16:45:00	32	34 LO	OPCH ACE		LOS DSS-34 PASS-8722					2DP
127	164 16:59:57	32			AC7SSB	(4 +155) SS BIAS CONTROL --- YAW	AACS		09623:39:003F	01-164/08:13:35	2ECa
128	164 17:40:00	31	63 AO	OPCH ACE		AOS DSS-63 PASS-8706 (D/L ONLY)					1DP
129	164 17:55:00	32	43 AO	OPCH ACE		AOS DSS-43 PASS-8722 (U/L PASS) XMTR ON PER TELECOM MESSAGE					2DP
130	164 17:59:39	31	60RISE			10 DEGREE RISE DSC-60					1V
131	164 18:08:57	31	40 SET			10 DEGREE SET DSC-40					1V
132	164 19:26:28	32		ACE ALL		END S/C-32 COMMAND MORATORIUM					2T
133	164 22:10:40	31				B- UVSLEW			15772:04:001F	01-164/11:00:35	1TB
134	164 22:10:40	31				SLEW TO HELIO-18B			15772:04:001F	01-164/11:00:35	1T
135	164 22:10:40	31				B- PLATPOA			15772:04:001F	01-164/11:00:35	1TB
136	164 22:10:40	31			AC7SPK	(1 12 2 141 140) EL SLEW R=LOW	AACS		15772:04:003F	01-164/11:00:36	1ECa
137	164 22:15:25	31				B- SLEND			15772:09:751F	01-164/11:05:20	1TB
138	164 22:15:25	31			SLEWEND	AZ=125.000 EL=70.985 CO=66.580			15772:09:751F	01-164/11:05:20	1T
139	164 22:30:40	31				B- RFSTLC			15772:29:001F	01-164/11:20:35	1TB
140	164 23:02:07	31	63	OPCH 63		== START TLC TEST DOWN-LINK ==					1TD
141	165 00:00:00	31				VGR-31 OWLT IS 11H 10M 05S					1L

INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
142	165 00:00:00	32				VGR-32 OWLT IS 08H 47M 31S					2L
143	165 00:03:07	31	63	OPCH 63		== END TLC TEST DOWN-LINK ==					1TD
144	165 00:13:31	32	40	SET		10 DEGREE SET DSC-40					2V
145	165 00:40:00	32	43	LO OPCH ACE		LOS DSS-43 PASS-8722					2DP
146	165 01:32:34	31	10	RISE		10 DEGREE RISE DSC-10					1V
147	165 05:25:00	31	25	AO OPCH ACE		AOS DSS-25 PASS-8707 (D/L ONLY)					1DP
148	165 05:37:08	31	60	SET		10 DEGREE SET DSC-60					1V
149	165 05:45:00	31	63	LO OPCH ACE		LOS DSS-63 PASS-8706					1DP
150	165 08:17:19	32	40	RISE		10 DEGREE RISE DSC-40					2V
151	165 08:30:00	32	34	AO OPCH ACE		AOS DSS-34 PASS-8723 (D/L ONLY)					2DP
152	165 09:01:25	31	40	RISE		10 DEGREE RISE DSC-40					1V
153	165 12:00:00	31				VGR-31 OWLT IS 11H 10M 08S					1L
154	165 12:00:00	32				VGR-32 OWLT IS 08H 47M 32S					2L
155	165 12:25:00	31	25	LO OPCH ACE		LOS DSS-25 PASS-8707					1DP
156	165 13:02:55	31	10	SET		10 DEGREE SET DSC-10					1V
157	165 14:35:00	32	43	AO OPCH ACE		AOS DSS-43 PASS-8723 (U/L PASS) XMTR ON PER TELECOM MESSAGE					2DP
158	165 14:40:00	32	34	LO OPCH ACE		LOS DSS-34 PASS-8723					2DP
159	165 17:00:00	32	43	LO OPCH ACE		LOS DSS-43 PASS-8723					2DP
160	165 17:55:40	31	60	RISE		10 DEGREE RISE DSC-60					1V
161	165 18:04:59	31	40	SET		10 DEGREE SET DSC-40					1V
162	165 19:35:00	31	63	AO OPCH ACE		AOS DSS-63 PASS-8707 (D/L ONLY)					1DP
163	165 22:10:46	31				B- UVSLEW			15802:04:001F	01-165/11:00:35	1TB

INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
164	165 22:10:46	31				SLEW TO HELIO-17B			15802:04:001F	01-165/11:00:35	1T
165	165 22:10:46	31				B- PLATPOA			15802:04:001F	01-165/11:00:35	1TB
166	165 22:10:46	31			AC7SPK	(1 12 1 127 094) EL SLEW R=LOW	AACS		15802:04:003F	01-165/11:00:36	1ECa
167	165 22:14:55	31				B- SLEND			15802:09:151F	01-165/11:04:44	1TB
168	165 22:14:55	31			SLEWEND	AZ=125.000 EL=91.022 CO=86.501			15802:09:151F	01-165/11:04:44	1T
169	166 00:00:00	31				VGR-31 OWLT IS 11H 10M 11S					1L
170	166 00:00:00	32				VGR-32 OWLT IS 08H 47M 32S					2L
171	166 00:09:34	32	40	SET		10 DEGREE SET DSC-40					2V
172	166 00:20:00	31	63	LO	OPCH ACE	LOS DSS-63 PASS-8707					1DP
173	166 01:11:27	32			ACE ALL	>>>>>>>> 1 HR WARNING <<<<<<<<< FOR S/C-32 COMMAND MORATORIUM					2T
174	166 01:28:36	31	10	RISE		10 DEGREE RISE DSC-10					1V
175	166 02:10:00	31	25	AO	OPCH ACE	AOS DSS-25 PASS-8708 (D/L ONLY)					1DP
176	166 02:11:27	32			ACE ALL	BEGIN S/C-32 COMMAND MORATORIUM					2T
177	166 05:33:09	31	60	SET		10 DEGREE SET DSC-60					1V
178	166 06:00:00	31	25	LO	OPCH ACE	LOS DSS-25 PASS-8708					1DP
179	166 08:13:16	32	40	RISE		10 DEGREE RISE DSC-40					2V
180	166 08:20:25	31			AC7SSB	(4 +142) SS BIAS CONTROL --- YAW	AACS		15814:46:003F	01-165/21:10:12	1ECa
181	166 08:57:26	31	40	RISE		10 DEGREE RISE DSC-40					1V
182	166 09:20:00	32	43	AO	OPCH ACE	AOS DSS-43 PASS-8724 (D/L ONLY)					2DP
183	166 12:00:00	31				VGR-31 OWLT IS 11H 10M 14S					1L
184	166 12:00:00	32				VGR-32 OWLT IS 08H 47M 33S					2L
185	166 12:58:56	31	10	SET		10 DEGREE SET DSC-10					1V



INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
199	166 13:18:00	32				AACS STATUS MODE : AAI GYRO A: OFF HYBIC: 2 GYRO B: ON CST : ON GRYO C: ON	AACS		09679:01:419F	01-166/04:31:36	2ESa
200	166 13:18:00	32			CC7GARP	GYRO A OFF	PWR		09679:01:419F	01-166/04:31:36	2ECp
201	166 13:18:00	32			CC7GARP	GYRO A OFF	PWR		09679:01:421F	01-166/04:31:36	2ECp
202	166 13:18:00	32			CC7PC	(352) GYRO A OFF	AACS		09679:01:423F	01-166/04:31:37	2ECa
203	166 13:18:00	32			CC10CRP	TCM THRUSTER HEATERS OFF	PWR		09679:01:424F	01-166/04:31:37	2ECp
204	166 13:18:00	32			CC10CRP	TCM THRUSTER HEATERS OFF	PWR		09679:01:426F	01-166/04:31:37	2ECp
205	166 13:18:00	32			CC7PC	(312) DUMMY PWR CMD	AACS		09679:01:428F	01-166/04:31:37	2ECa
206	166 13:21:00	32			AC7TCD	(322 033167) TURN COMMAND AXIS=ROLL POL=NEG RNG SCALE=X10	AACS		09679:05:219F	01-166/04:34:36	2ECa
207	166 14:13:35	32			AC7SSB	(3 -006) SS BIAS CONTROL - PITCH	AACS		09680:11:003F	01-166/05:27:11	2ECa
208	166 17:45:58	32			SC32AJ	(10) PLS CONFIG CMD	FDS		09684:36:392F	01-166/08:59:35	2ECf
209	166 17:51:42	31	60RISE			10 DEGREE RISE DSC-60					1V
210	166 18:01:00	31	40 SET			10 DEGREE SET DSC-40					1V
211	166 18:19:05	32			SC32AJ	(11) PLS CONFIG CMD	FDS		09685:17:708F	01-166/09:32:42	2ECf
212	166 18:52:14	32				ROLL TURN COMPLETE (NOMINAL)			09685:59:251F	01-166/10:05:50	2T
213	166 18:54:40	32			CC7PC	(345) CMDED TURN COMPLETE	AACS		09686:02:290F	01-166/10:08:17	2ECa
214	166 19:00:00	32			SC32AJ	(15) PLS CONFIG CMD	FDS		09686:09:025F	01-166/10:13:37	2ECf
215	166 19:09:00	32				RESET CALIB			09686:20:218F	01-166/10:22:36	2T
216	166 19:09:00	32			AC7PAR	(7530 000000) PARAMETER LOAD	AACS		09686:20:220F	01-166/10:22:36	2ECa
217	166 19:09:30	32			CC7SS	(1) SS SEARCH ENABLE	AACS		09686:20:718F	01-166/10:23:06	2ECa

INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
218	166 19:09:30	32				AACS STATUS MODE : RAI GYRO A: OFF HYBIC: 2 GYRO B: ON CST : ON GRYO C: ON	AACS		09686:20:718F	01-166/10:23:06	2ESa
219	166 19:09:30	32			CC7PC	(327) IDET ACQUIRED	AACS		09686:20:719F	01-166/10:23:06	2ECa
220	166 19:09:30	32			CC7GARP	GYRO A OFF	PWR		09686:20:719F	01-166/10:23:06	2ECp
221	166 19:09:30	32			CC7GARP	GYRO A OFF	PWR		09686:20:721F	01-166/10:23:07	2ECp
222	166 19:09:30	32			CC7PC	(352) GYRO A OFF	AACS		09686:20:724F	01-166/10:23:07	2ECa
223	166 19:09:30	32			CC10CRP	TCM THRUSTER HEATERS OFF	PWR		09686:20:724F	01-166/10:23:07	2ECp
224	166 19:09:30	32			CC10CRP	TCM THRUSTER HEATERS OFF	PWR		09686:20:726F	01-166/10:23:07	2ECp
225	166 19:09:30	32			CC7PC	(312) DUMMY PWR CMD	AACS		09686:20:728F	01-166/10:23:07	2ECa
226	166 19:15:30	32			CC7CT	(07) CST FLYBACK AND SWEEP	AACS		09686:28:318F	01-166/10:29:06	2ECa
227	166 19:16:35	32				GYROS OFF			09686:29:601F	01-166/10:30:11	2T
228	166 19:16:35	32				AACS STATUS MODE : CRU GYRO A: OFF HYBIC: 2 GYRO B: ON CST : ON GRYO C: ON	AACS		09686:29:601F	01-166/10:30:11	2ESa
229	166 19:16:35	32			CC7PC	(307) STAR ACQUIRED	AACS		09686:29:602F	01-166/10:30:11	2ECa
230	166 19:16:35	32			CC7GCRP	GYRO C OFF	PWR		09686:29:602F	01-166/10:30:11	2ECp
231	166 19:16:35	32				AACS STATUS MODE : CRU GYRO A: OFF HYBIC: 2 GYRO B: ON CST : ON GRYO C: OFF	AACS		09686:29:602F	01-166/10:30:11	2ESa
232	166 19:16:35	32			CC7GCRP	GYRO C OFF	PWR		09686:29:605F	01-166/10:30:11	2ECp
233	166 19:16:35	32			CC7PC	(372) GYRO C OFF	AACS		09686:29:607F	01-166/10:30:12	2ECa

INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
234	166 19:16:35	32			CC7GBRP	GYRO B OFF	PWR		09686:29:607F	01-166/10:30:12	2ECp
235	166 19:16:35	32				AACS STATUS MODE : CRU GYRO A: OFF HYBIC: 2 GYRO B: OFF CST : ON GRYO C: OFF	AACS	09686:29:607F	01-166/10:30:12	2ESa	
236	166 19:16:35	32			CC7GBRP	GYRO B OFF	PWR		09686:29:609F	01-166/10:30:12	2ECp
237	166 19:16:35	32			CC7PC	(362) GYRO B OFF	AACS		09686:29:611F	01-166/10:30:12	2ECa
238	166 19:16:35	32			CC7GARP	GYRO A OFF	PWR		09686:29:612F	01-166/10:30:12	2ECp
239	166 19:16:36	32			CC7GARP	GYRO A OFF	PWR		09686:29:614F	01-166/10:30:12	2ECp
240	166 19:16:36	32			CC7PC	(352) GYRO A OFF	AACS		09686:29:616F	01-166/10:30:12	2ECa
241	166 19:16:36	32			CC10CRP	TCM THRUSTER HEATERS OFF	PWR		09686:29:617F	01-166/10:30:12	2ECp
242	166 19:16:36	32			CC10CRP	TCM THRUSTER HEATERS OFF	PWR		09686:29:619F	01-166/10:30:12	2ECp
243	166 19:16:36	32			CC7PC	(312) DUMMY PWR CMD	AACS		09686:29:621F	01-166/10:30:12	2ECa
244	166 19:20:00	31	63 AO	OPCH ACE		AOS DSS-63 PASS-8708 (D/L ONLY)					1DP
245	166 19:23:47	32		ACE OPCH		>>>>>> 5 MIN WARNING <<<<<<<<< FOR FDS MODE OR FDS STATUS CHG					2ESf
246	166 19:23:47	32		ACE OPCH		>>>>>> 5 MIN WARNING <<<<<<<<< FOR CHG IN X-BD D/L CONFIG MOD INDEX=32 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ					22EC
247	166 19:25:00	32				B- YAWDB			09686:40:218F	01-166/10:38:36	2TB
248	166 19:25:00	32				YAWDB - .10			09686:40:218F	01-166/10:38:36	2T
249	166 19:25:00	32			AC7PAR	(6741 001700) +YAW DB=.10 DEG	AACS		09686:40:220F	01-166/10:38:36	2ECa
250	166 19:28:00	32				B- DRCRUS			09686:44:018F	01-166/10:41:36	2TB

INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
251	166 19:28:00	32			SC06BB	(53 0 07 0) FDS MODE TO: PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY	FDS		09686:44:026F	01-166/10:41:37	2ECf
252	166 19:28:47	32		ACE OPCH		FDS STATUS CR-5T/X160/S10 MEM:PB/FDS11 SA/FDS11	FDS	CR-5T	09686:45:001F	01-166/10:42:23	2ESf
253	166 19:28:47	32			CC3A	(32310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=32 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ	MDS		09686:45:002F	01-166/10:42:23	2ECs
254	166 19:28:48	32				END MAGROLAB32			09686:45:018F	01-166/10:42:24	2T
255	166 21:30:00	32	43 LO	OPCH ACE		LOS DSS-43 PASS-8724					2DP
256	166 22:10:53	31				B- UVSLEW			15832:04:001F	01-166/11:00:35	1TB
257	166 22:10:53	31				SLEW TO HELIO-16B			15832:04:001F	01-166/11:00:35	1T
258	166 22:10:53	31				B- PLATPOA			15832:04:001F	01-166/11:00:35	1TB
259	166 22:10:53	31			AC7SPK	(1 12 1 111 076) EL SLEW R=LOW	AACS		15832:04:003F	01-166/11:00:36	1ECa
260	166 22:15:38	31				B- SLEND			15832:09:751F	01-166/11:05:20	1TB
261	166 22:15:38	31			SLEWEND	AZ=125.000 EL=114.014 CO=109.356			15832:09:751F	01-166/11:05:20	1T
262	167 00:00:00	31				VGR-31 OWLT IS 11H 10M 17S					1L
263	167 00:00:00	32				VGR-32 OWLT IS 08H 47M 33S					2L
264	167 00:05:36	32	40 SET			10 DEGREE SET DSC-40					2V
265	167 00:10:00	31	63 LO	OPCH ACE		LOS DSS-63 PASS-8708					1DP
266	167 01:24:37	31	10RISE			10 DEGREE RISE DSC-10					1V
267	167 02:10:00	31	25 AO	OPCH ACE		AOS DSS-25 PASS-8709 (D/L ONLY)					1DP
268	167 05:29:11	31	60 SET			10 DEGREE SET DSC-60					1V



INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
269	167 08:09:13	32	40RISE			10 DEGREE RISE DSC-40					2V
270	167 08:53:28	31	40RISE			10 DEGREE RISE DSC-40					1V
271	167 09:15:00	32	34 AO	OPCH ACE		AOS DSS-34 PASS-8725 (D/L ONLY)					2DP
272	167 12:00:00	31				VGR-31 OWLT IS 11H 10M 21S					1L
273	167 12:00:00	32				VGR-32 OWLT IS 08H 47M 34S					2L
274	167 12:10:00	31	25 LO	OPCH ACE		LOS DSS-25 PASS-8709					1DP
275	167 12:54:57	31	10 SET			10 DEGREE SET DSC-10					1V
276	167 13:45:00	32	34 LO	OPCH ACE		LOS DSS-34 PASS-8725					2DP
277	167 17:47:43	31	60RISE			10 DEGREE RISE DSC-60					1V
278	167 17:57:02	31	40 SET			10 DEGREE SET DSC-40					1V
279	167 18:00:00	32	43 AO	OPCH ACE		AOS DSS-43 PASS-8725 (U/L PASS) XMTR ON PER TELECOM MESSAGE					2DP
280	167 19:20:00	31	63 AO	OPCH ACE		AOS DSS-63 PASS-8709 (D/L ONLY)					1DP
281	167 22:10:59	31				B- UVSLEW			15862:04:001F	01-167/11:00:35	1TB
282	167 22:10:59	31				SLEW TO HELIO-15B			15862:04:001F	01-167/11:00:35	1T
283	167 22:10:59	31				B- PLATPOA			15862:04:001F	01-167/11:00:35	1TB
284	167 22:10:59	31			AC7SPK	(1 12 1 096 127) EL SLEW R=LOW	AACS		15862:04:003F	01-167/11:00:36	1ECa
285	167 22:15:20	31				B- SLEND			15862:09:351F	01-167/11:04:56	1TB
286	167 22:15:20	31			SLEWEND	AZ=125.000 EL=134.993 CO=130.236			15862:09:351F	01-167/11:04:56	1T
287	167 23:45:00	32	43 LO	OPCH ACE		LOS DSS-43 PASS-8725					2DP
288	168 00:00:00	31				VGR-31 OWLT IS 11H 10M 24S					1L
289	168 00:00:00	32				VGR-32 OWLT IS 08H 47M 35S					2L
290	168 00:00:49	32			AC7SSB	(4 +156) SS BIAS CONTROL --- YAW	AACS		09722:25:003F	01-167/15:14:23	2ECa
291	168 00:01:39	32	40 SET			10 DEGREE SET DSC-40					2V

INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
292	168 00:05:00	31	63 LO	OPCH ACE		LOS DSS-63 PASS-8709					1DP
293	168 01:20:39	31	10RISE			10 DEGREE RISE DSC-10					1V
294	168 01:41:24	32		ACE ALL		END S/C-32 COMMAND MORATORIUM					2T
295	168 02:05:00	31	25 AO	OPCH ACE		AOS DSS-25 PASS-8710 (D/L ONLY)					1DP
296	168 05:25:12	31	60 SET			10 DEGREE SET DSC-60					1V
297	168 05:55:00	31	25 LO	OPCH ACE		LOS DSS-25 PASS-8710					1DP
298	168 07:45:00	32	43 AO	OPCH ACE		AOS DSS-43 PASS-8726 (U/L PASS) XMTR ON PER TELECOM MESSAGE					2DP
299	168 08:05:10	32	40RISE			10 DEGREE RISE DSC-40					2V
300	168 08:49:29	31	40RISE			10 DEGREE RISE DSC-40					1V
301	168 12:00:00	31				VGR-31 OWLT IS 11H 10M 27S					1L
302	168 12:00:00	32				VGR-32 OWLT IS 08H 47M 36S					2L
303	168 12:28:39	31			AC7SSB	(3 +000) SS BIAS CONTROL - PITCH	AACS		15879:56:003F	01-168/01:18:12	1ECa
304	168 12:50:59	31	10 SET			10 DEGREE SET DSC-10					1V
305	168 17:00:00	32	43 LO	OPCH ACE		LOS DSS-43 PASS-8726					2DP
306	168 17:43:45	31	60RISE			10 DEGREE RISE DSC-60					1V
307	168 17:53:03	31	40 SET			10 DEGREE SET DSC-40					1V
308	168 19:15:00	31	63 AO	OPCH ACE		AOS DSS-63 PASS-8710 (D/L ONLY)					1DP
309	168 22:11:06	31				B- UVSLEW			15892:04:001F	01-168/11:00:35	1TB
310	168 22:11:06	31				SLEW TO HELIO-14B			15892:04:001F	01-168/11:00:35	1T
311	168 22:11:06	31				B- PLATPOA			15892:04:001F	01-168/11:00:35	1TB
312	168 22:11:06	31			AC7SPK	(1 12 2 089 171) EL SLEW R=LOW	AACS		15892:04:003F	01-168/11:00:36	1ECa
313	168 22:13:14	31				B- SLEND			15892:06:534F	01-168/11:02:43	1TB

INTEGRATED SEQUENCE FOR JST A039F JSX B112F WEEK 24 DOY 01-162/00:00 - 01-169/00:00

ITEM NO	TRM-OR-ERT DOY-HH:MM:SS	SC ID	DSN	ACTION BY>>TO	COMMAND	EVENT-DESCRIPTION	S/C SBSYS	TLM FMT	FDS-COUNT	SCE-TIME	SORT CODE
314	168 22:13:14	31			SLEWEND	AZ=125.000 EL=144.988 CO=140.166			15892:06:534F	01-168/11:02:43	1T
315	168 23:55:00	31	63 LO	OPCH ACE		LOS DSS-63 PASS-8710					1DP
316	168 23:57:41	32	40 SET			10 DEGREE SET DSC-40					2V
317	169 00:00:00	31				VGR-31 OWLT IS 11H 10M 30S					1L
318	169 00:00:00	32				VGR-32 OWLT IS 08H 47M 36S					2L