

INTEGRATED SEQUENCE FOR JST A043F JSX B116F WEEK 27 DOY 02-182/00:00 - 02-189/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|----------|---|-----------|---------|---------------|-----------------|-----------|
| 1       | 182 00:00:00            | 31    |        |               |          | VGR-31 OWLT IS 11H 42M 02S  |           |         |               |                 | 1L        |
| 2       | 182 00:00:00            | 32    |        |               |          | VGR-32 OWLT IS 09H 13M 57S  |           |         |               |                 | 2L        |
| 3       | 182 00:27:27            | 31    | 10RISE |               |          | 10 DEGREE RISE DSC-10   |           |         |               |                 | 1V        |
| 4       | 182 02:42:39            | 31    |        |               |          | B- UVSLEW   |           |         | 27237:04:001F | 02-181/15:00:35 | 1TB       |
| 5       | 182 02:42:39            | 31    |        |               |          | SLEW TO HELIO-9B  |           |         | 27237:04:001F | 02-181/15:00:35 | 1T        |
| 6       | 182 02:42:39            | 31    |        |               |          | B- PLATPOB  |           |         | 27237:04:001F | 02-181/15:00:35 | 1TB       |
| 7       | 182 02:42:39            | 31    |        |               | AC7SPK   | (1 12 1 076 124) EL SLEW R=LOW  | AACS      |         | 27237:04:003F | 02-181/15:00:36 | 1ECa      |
| 8       | 182 02:42:39            | 31    |        |               | AC7SPL   | (2 12 1 255 222) AZ SLEW R=LOW  | AACS      |         | 27237:04:005F | 02-181/15:00:36 | 1ECa      |
| 9       | 182 02:44:57            | 31    |        |               |          | B- SLEND  |           |         | 27237:06:701F | 02-181/15:02:53 | 1TB       |
| 10      | 182 02:44:57            | 31    |        |               | SLEWEND  | AZ=319.959 EL=165.058 CO=169.899  |           |         | 27237:06:701F | 02-181/15:02:53 | 1T        |
| 11      | 182 03:45:00            | 31    | 65     | LO            | OPCH ACE | LOS DSS-65 PASS-9089  |           |         |               |                 | 1DP       |
| 12      | 182 04:10:00            | 31    | 14     | AO            | OPCH ACE | AOS DSS-14 PASS-9090 (U/L PASS)<br>PERFORM RFSTLC PER TELECOM<br>MESSAGE                    |           |         |               |                 | 1DP       |
| 13      | 182 04:31:54            | 31    | 60     | SET           |          | 10 DEGREE SET DSC-60  |           |         |               |                 | 1V        |
| 14      | 182 06:30:00            | 31    | 14     |               | OPCH 14  | == START TLC TEST UP-LINK ==<br>== EXECUTE PER DSN SUPPLIED ==<br>== TUNING INSTRUCTIONS == |           |         |               |                 | 1TD       |
| 15      | 182 06:30:00            | 31    | 14     |               | OPCH 14  | == TLC TEST UP-LINK ==<br>TURN RANGING MOD OFF (IF APPL)                                    |           |         |               |                 | 1TD       |
| 16      | 182 06:31:00            | 31    | 14     |               | OPCH 14  | == TLC TEST UP-LINK ==<br>TURN COMMAND MOD OFF (IF APPL)<br>NO COMMANDING FOR 1 HR 56 MIN   |           |         |               |                 | 1TD       |

INTEGRATED SEQUENCE FOR JST A043F JSX B116F WEEK 27 DOY 02-182/00:00 - 02-189/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|--|-----------|---------|-----------|----------|-----------|
| 17      | 182 06:32:00            | 31    | 14     | OPCH 14       |         | == TLC TEST UP-LINK ==<br>== TUNE U/L AT 48 HZ/SEC ==<br>== TO XA-65 KHZ (S-BAND) ==         |           |         |           |          | 1TD       |
| 18      | 182 06:57:00            | 31    | 14     | OPCH 14       |         | == END TLC TEST UP-LINK ==<br>== TURN TRANSMITTER OFF ==<br>TUNE TO TSF @ 48 HZ/SEC (S-BAND) |           |         |           |          | 1TD       |
| 19      | 182 07:06:20            | 32    | 40RISE |               |         | 10 DEGREE RISE DSC-40  |           |         |           |          | 2V        |
| 20      | 182 07:55:00            | 32    | 43 AO  | OPCH ACE      |         | AOS DSS-43 PASS-9106 (D/L ONLY)  |           |         |           |          | 2DP       |
| 21      | 182 07:56:12            | 31    | 40RISE |               |         | 10 DEGREE RISE DSC-40  |           |         |           |          | 1V        |
| 22      | 182 09:15:00            | 31    | 24 AO  | OPCH ACE      |         | AOS DSS-24 PASS-9090 (D/L ONLY)  |           |         |           |          | 1DP       |
| 23      | 182 09:35:00            | 31    | 14 LO  | OPCH ACE      |         | LOS DSS-14 PASS-9090   |           |         |           |          | 1DP       |
| 24      | 182 10:50:00            | 31    | 24 LO  | OPCH ACE      |         | LOS DSS-24 PASS-9090   |           |         |           |          | 1DP       |
| 25      | 182 11:57:42            | 31    | 10 SET |               |         | 10 DEGREE SET DSC-10   |           |         |           |          | 1V        |
| 26      | 182 12:00:00            | 31    |        |               |         | VGR-31 OWLT IS 11H 42M 06S   |           |         |           |          | 1L        |
| 27      | 182 12:00:00            | 32    |        |               |         | VGR-32 OWLT IS 09H 13M 58S   |           |         |           |          | 2L        |
| 28      | 182 13:00:00            | 32    | 43 LO  | OPCH ACE      |         | LOS DSS-43 PASS-9106   |           |         |           |          | 2DP       |
| 29      | 182 14:00:00            | 31    | 43 AO  | OPCH ACE      |         | AOS DSS-43 PASS-9090 (U/L PASS)  |           |         |           |          | 1DP       |
| 30      | 182 15:30:00            | 31    | 43 LO  | OPCH ACE      |         | LOS DSS-43 PASS-9090   |           |         |           |          | 1DP       |
| 31      | 182 16:50:33            | 31    | 60RISE |               |         | 10 DEGREE RISE DSC-60  |           |         |           |          | 1V        |
| 32      | 182 16:59:52            | 31    | 40 SET |               |         | 10 DEGREE SET DSC-40   |           |         |           |          | 1V        |
| 33      | 182 20:00:00            | 31    | 54 AO  | OPCH ACE      |         | AOS DSS-54 PASS-9090 (D/L ONLY)  |           |         |           |          | 1DP       |
| 34      | 182 23:11:18            | 32    | 40 SET |               |         | 10 DEGREE SET DSC-40   |           |         |           |          | 2V        |
| 35      | 182 23:25:00            | 31    | 54 LO  | OPCH ACE      |         | LOS DSS-54 PASS-9090   |           |         |           |          | 1DP       |

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| 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 |
|---------|-------------------------|-------|--------|---------------|---------|----------------------------------|-----------|---------|---------------|-----------------|-----------|
| 36      | 183 00:00:00            | 31    |        |               |         | VGR-31 OWLT IS 11H 42M 11S       |           |         |               |                 | 1L        |
| 37      | 183 00:00:00            | 32    |        |               |         | VGR-32 OWLT IS 09H 14M 00S       |           |         |               |                 | 2L        |
| 38      | 183 00:23:29            | 31    | 10RISE |               |         | 10 DEGREE RISE DSC-10            |           |         |               |                 | 1V        |
| 39      | 183 02:20:00            | 31    | 25 AO  | OPCH ACE      |         | AOS DSS-25 PASS-9091 (D/L ONLY)  |           |         |               |                 | 1DP       |
| 40      | 183 02:42:47            | 31    |        |               |         | B- UVSLEW                        |           |         | 27267:04:001F | 02-182/15:00:35 | 1TB       |
| 41      | 183 02:42:47            | 31    |        |               |         | SLEW TO HELIO-8B                 |           |         | 27267:04:001F | 02-182/15:00:35 | 1T        |
| 42      | 183 02:42:47            | 31    |        |               |         | B- PLATPOA                       |           |         | 27267:04:001F | 02-182/15:00:35 | 1TB       |
| 43      | 183 02:42:47            | 31    |        |               | AC7SPK  | (1 12 1 082 178) EL SLEW R=LOW   | AACS      |         | 27267:04:003F | 02-182/15:00:36 | 1ECa      |
| 44      | 183 02:44:43            | 31    |        |               |         | B- SLEND                         |           |         | 27267:06:334F | 02-182/15:02:31 | 1TB       |
| 45      | 183 02:44:43            | 31    |        |               | SLEWEND | AZ=319.959 EL=156.036 CO=161.270 |           |         | 27267:06:334F | 02-182/15:02:31 | 1T        |
| 46      | 183 04:27:55            | 31    | 60 SET |               |         | 10 DEGREE SET DSC-60             |           |         |               |                 | 1V        |
| 47      | 183 04:55:37            | 32    |        |               | AC7SSB  | (3 -010) SS BIAS CONTROL - PITCH | AACS      |         | 21127:59:003F | 02-182/19:41:35 | 2ECa      |
| 48      | 183 05:52:25            | 31    |        |               |         | B- RFSTLC                        |           |         | 27271:01:001F | 02-182/18:10:11 | 1TB       |
| 49      | 183 06:21:22            | 31    | 25     | OPCH 25       |         | == START TLC TEST DOWN-LINK ==   |           |         |               |                 | 1TD       |
| 50      | 183 07:02:17            | 32    | 40RISE |               |         | 10 DEGREE RISE DSC-40            |           |         |               |                 | 2V        |
| 51      | 183 07:22:22            | 31    | 25     | OPCH 25       |         | == END TLC TEST DOWN-LINK ==     |           |         |               |                 | 1TD       |
| 52      | 183 07:52:13            | 31    | 40RISE |               |         | 10 DEGREE RISE DSC-40            |           |         |               |                 | 1V        |
| 53      | 183 08:15:00            | 31    | 14 AO  | OPCH ACE      |         | AOS DSS-14 PASS-9091 (D/L ONLY)  |           |         |               |                 | 1DP       |
| 54      | 183 08:35:00            | 31    | 25 LO  | OPCH ACE      |         | LOS DSS-25 PASS-9091             |           |         |               |                 | 1DP       |
| 55      | 183 09:30:00            | 32    | 45 AO  | OPCH ACE      |         | AOS DSS-45 PASS-9107 (D/L ONLY)  |           |         |               |                 | 2DP       |
| 56      | 183 11:50:00            | 31    | 14 LO  | OPCH ACE      |         | LOS DSS-14 PASS-9091             |           |         |               |                 | 1DP       |







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|---------|-------------------------|-------|-----|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 91      | 183 13:12:27            | 31    |     |               | CC3A    | (41310) X-BD TMU STATE CHANGE<br>DRIVER(S) 1 AND 2 ON<br>MOD INDEX=41 DATA RATE=HIGH<br>SUBCARRIER FREQ=22.5KHZ                                   | MDS       |         | 27280:11:002F | 02-183/01:30:12 | 1ECs      |
| 92      | 183 13:12:28            | 31    |     |               |         | B- DRCRUS   |           |         | 27280:11:018F | 02-183/01:30:12 | 1TB       |
| 93      | 183 13:12:28            | 31    |     |               | SC06BB  | (53 0 07 0) FDS MODE TO:<br>PLS INTEGRATION MODE: N/A<br>PPS SAFING COMMAND : N/A<br>ENGINEERING FORMAT : CRUISE<br>AACS READOUT MODE : TELEMETRY | FDS       |         | 27280:11:026F | 02-183/01:30:13 | 1ECF      |
| 94      | 183 13:13:15            | 31    |     | ACE OPCH      |         | ===== FDS STATUS<br>CR-5T/X160/S10<br>MEM:PA/FDS11<br>=====   | FDS       | CR-5T   | 27280:12:001F | 02-183/01:30:59 | 1ESF      |
| 95      | 183 13:13:15            | 31    |     |               | CC3A    | (32310) X-BD TMU STATE CHANGE<br>DRIVER(S) 1 AND 2 ON<br>MOD INDEX=32 DATA RATE=HIGH<br>SUBCARRIER FREQ=22.5KHZ                                   | MDS       |         | 27280:12:002F | 02-183/01:30:59 | 1ECs      |
| 96      | 183 13:13:15            | 31    |     |               | CC16C   | (7000) DTR STATE SELECT: READY  | DTR       |         | 27280:12:002F | 02-183/01:31:00 | 1ECd      |
| 97      | 183 13:13:15            | 31    |     |               |         | ===== DTR STATUS<br>MODE:RDY RATE:000.0K<br>DIR:R TRK:4 TIC:20519 227280:12.3 2F02-183/01:31.3 1ESd98 183 13:14:03<br>=====                       |           |         |               |                 |           |



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|---------|-------------------------|-------|-----|---------------|---------|--|-----------|---------|---------------|-----------------|-----------|
| 114     | 183 18:30:53            | 31    |     |               | CC3A    | (30310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=30 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | MDS       |         | 27286:49:002F | 02-183/06:48:35 | 1ECs      |
| 115     | 183 18:46:05            | 31    |     |               |         | .05 ALL AXES DEADBAND  |           |         | 27287:08:001F | 02-183/07:03:47 | 1T        |
| 116     | 183 18:46:05            | 31    |     |               | AC7DDB  | (000480) CHG TO .05 DEG DEADBAND   | AACS      |         | 27287:08:003F | 02-183/07:03:48 | 1ECa      |
| 117     | 183 19:02:05            | 31    |     |               | AC7MDP  | (6) AACS MODE: ALL AXIS INERTIAL   | AACS      |         | 27287:28:002F | 02-183/07:19:48 | 1ECa      |
| 118     | 183 19:02:05            | 31    |     |               |         | AACS STATUS<br>MODE : AAI GYRO A: OFF<br>HYBIC: 1 GYRO B: ON<br>CST : ON GRYO C: ON                    | AACS      |         | 27287:28:002F | 02-183/07:19:48 | 1ESa      |
| 119     | 183 19:02:05            | 31    |     |               | CC7GARP | GYRO A OFF   | PWR       |         | 27287:28:003F | 02-183/07:19:48 | 1ECp      |
| 120     | 183 19:02:05            | 31    |     |               | CC7GARP | GYRO A OFF   | PWR       |         | 27287:28:005F | 02-183/07:19:48 | 1ECp      |
| 121     | 183 19:02:05            | 31    |     |               | CC7PC   | (352) GYRO A OFF   | AACS      |         | 27287:28:007F | 02-183/07:19:48 | 1ECa      |
| 122     | 183 19:02:05            | 31    |     |               | CC10CRP | TCM THRUSTER HEATERS OFF   | PWR       |         | 27287:28:007F | 02-183/07:19:48 | 1ECp      |
| 123     | 183 19:02:05            | 31    |     |               | CC10CRP | TCM THRUSTER HEATERS OFF   | PWR       |         | 27287:28:010F | 02-183/07:19:48 | 1ECp      |
| 124     | 183 19:02:06            | 31    |     |               | CC7PC   | (312) DUMMY PWR CMD  | AACS      |         | 27287:28:012F | 02-183/07:19:48 | 1ECa      |
| 125     | 183 19:02:52            | 31    | 65  | OPCH 65       |         | ASCAL<br>=====   |           |         |               |                 | 1TD       |
| 126     | 183 19:02:53            | 31    |     |               |         | START FIRST YAW DRIFT TURN   |           |         | 27287:29:001F | 02-183/07:20:35 | 1T        |
| 127     | 183 19:02:53            | 31    |     |               | AC7PAR  | (7015 013560) PARAMETER LOAD   | AACS      |         | 27287:29:003F | 02-183/07:20:36 | 1ECa      |
| 128     | 183 19:06:53            | 31    |     |               | AC7PAR  | (7015 764220) PARAMETER LOAD   | AACS      |         | 27287:34:003F | 02-183/07:24:36 | 1ECa      |
| 129     | 183 19:14:53            | 31    |     |               | AC7PAR  | (7015 013560) PARAMETER LOAD   | AACS      |         | 27287:44:003F | 02-183/07:32:36 | 1ECa      |
| 130     | 183 19:18:53            | 31    |     |               | AC7PAR  | (7015 000000) PARAMETER LOAD   | AACS      |         | 27287:49:003F | 02-183/07:36:36 | 1ECa      |

| 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 |
|---------|-------------------------|-------|-----|---------------|---------|---|-----------|---------------|-----------------|-----------------|-----------|
| 131     | 183 19:18:53            | 31    | 65  | OPCH 65       |         | ASCAL<br>=====  |           |               |                 |                 | 1TD       |
|         |                         |       |     |               |         | END YAW DRIFT TURNS   |           |               |                 |                 |           |
| 132     | 183 19:18:54            | 31    |     |               |         | END THIRD YAW DRIFT TURN  |           |               | 27287:49:018F   | 02-183/07:36:36 | 1T        |
| 133     | 183 19:19:40            | 31    | 65  | OPCH 65       |         | ASCAL<br>=====  |           |               |                 |                 | 1TD       |
|         |                         |       |     |               |         | START PITCH DRIFT TURNS   |           |               |                 |                 |           |
| 134     | 183 19:19:41            | 31    |     |               |         | START FIRST PITCH DRIFT TURN  |           |               | 27287:50:001F   | 02-183/07:37:23 | 1T        |
| 135     | 183 19:19:41            | 31    |     |               | AC7PAR  | (7014 013560) PARAMETER LOAD  | AACS      |               | 27287:50:003F   | 02-183/07:37:24 | 1ECa      |
| 136     | 183 19:23:41            | 31    |     |               | AC7PAR  | (7014 764220) PARAMETER LOAD  | AACS      |               | 27287:55:003F   | 02-183/07:41:24 | 1ECa      |
| 137     | 183 19:31:41            | 31    |     |               | AC7PAR  | (7014 013560) PARAMETER LOAD  | AACS      |               | 27288:05:003F   | 02-183/07:49:24 | 1ECa      |
| 138     | 183 19:35:41            | 31    |     |               | AC7PAR  | (7014 000000) PARAMETER LOAD  | AACS      |               | 27288:10:003F   | 02-183/07:53:24 | 1ECa      |
| 139     | 183 19:35:41            | 31    | 65  | OPCH 65       |         | ASCAL<br>=====  |           |               |                 |                 | 1TD       |
|         |                         |       |     |               |         | END PITCH DRIFT TURNS   |           |               |                 |                 |           |
| 140     | 183 19:35:42            | 31    |     |               |         | END THIRD PITCH DRIFT TURN  |           |               | 27288:10:018F   | 02-183/07:53:24 | 1T        |
| 141     | 183 19:36:47            | 31    |     |               |         | B- MISCMD   |           |               | 27288:11:301F   | 02-183/07:54:29 | 1TB       |
| 142     | 183 19:36:47            | 31    |     |               |         | MISCMD - RESET CALIB  |           |               | 27288:11:301F   | 02-183/07:54:29 | 1T        |
| 143     | 183 19:36:47            | 31    |     |               | AC7PAR  | (7530 000000) PARAMETER LOAD  | AACS      |               | 27288:11:304F   | 02-183/07:54:30 | 1ECa      |
| 144     | 183 19:37:17            | 31    |     |               | CC7SS   | (1) SS SEARCH ENABLE  | AACS      |               | 27288:12:001F   | 02-183/07:54:59 | 1ECa      |
| 145     | 183 19:37:17            | 31    |     |               |         | AACS STATUS<br>MODE : RAI GYRO A: OFF<br>HYBIC: 1 GYRO B: ON<br>CST : ON GRYO C: ON | AACS      | 27288:12:001F | 02-183/07:54:59 | 1ESa            |           |



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|---------|-------------------------|-------|-----|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 162     | 183 19:39:58            | 31    |     |               | CC7GBRP | GYRO B OFF  | PWR       |         | 27288:15:290F | 02-183/07:57:41 | 1ECp      |
| 163     | 183 19:39:58            | 31    |     |               |         | AACS STATUS<br>MODE : CRU GYRO A: OFF<br>HYBIC: 1 GYRO B: OFF<br>CST : ON GRYO C: OFF   | AACS      |         | 27288:15:290F | 02-183/07:57:41 | 1ESa      |
| 164     | 183 19:39:58            | 31    |     |               | CC7GBRP | GYRO B OFF  | PWR       |         | 27288:15:293F | 02-183/07:57:41 | 1ECp      |
| 165     | 183 19:39:59            | 31    |     |               | CC7PC   | (362) GYRO B OFF  | AACS      |         | 27288:15:295F | 02-183/07:57:41 | 1ECa      |
| 166     | 183 19:39:59            | 31    |     |               | CC7GARP | GYRO A OFF  | PWR       |         | 27288:15:295F | 02-183/07:57:41 | 1ECp      |
| 167     | 183 19:39:59            | 31    |     |               | CC7GARP | GYRO A OFF  | PWR       |         | 27288:15:297F | 02-183/07:57:41 | 1ECp      |
| 168     | 183 19:39:59            | 31    |     |               | CC7PC   | (352) GYRO A OFF  | AACS      |         | 27288:15:299F | 02-183/07:57:41 | 1ECa      |
| 169     | 183 19:39:59            | 31    |     |               | CC10CRP | TCM THRUSTER HEATERS OFF  | PWR       |         | 27288:15:300F | 02-183/07:57:41 | 1ECp      |
| 170     | 183 19:39:59            | 31    |     |               | CC10CRP | TCM THRUSTER HEATERS OFF  | PWR       |         | 27288:15:302F | 02-183/07:57:42 | 1ECp      |
| 171     | 183 19:39:59            | 31    |     |               | CC7PC   | (312) DUMMY PWR CMD   | AACS      |         | 27288:15:304F | 02-183/07:57:42 | 1ECa      |
| 172     | 183 19:42:05            | 31    |     |               |         | B- DRCRUS   |           |         | 27288:18:001F | 02-183/07:59:47 | 1TB       |
| 173     | 183 19:42:05            | 31    |     |               | SC06BB  | (53 0 07 0) FDS MODE TO:<br>PLS INTEGRATION MODE: N/A<br>PPS SAFING COMMAND : N/A<br>ENGINEERING FORMAT : CRUISE<br>AACS READOUT MODE : TELEMETRY | FDS       |         | 27288:18:009F | 02-183/07:59:48 | 1ECf      |
| 174     | 183 19:42:53            | 31    |     | ACE OPCH      |         | FDS STATUS<br>CR-5T/X160/S10<br>MEM:PA/FDS11  | FDS       | CR-5T   | 27288:19:001F | 02-183/08:00:35 | 1ESf      |
| 175     | 183 19:42:53            | 31    |     |               | CC3A    | (32310) X-BD TMU STATE CHANGE<br>DRIVER(S) 1 AND 2 ON<br>MOD INDEX=32 DATA RATE=HIGH<br>SUBCARRIER FREQ=22.5KHZ                                   | MDS       |         | 27288:19:002F | 02-183/08:00:35 | 1ECs      |
| 176     | 183 19:48:29            | 31    |     |               |         | B- YAWDB  |           |         | 27288:26:001F | 02-183/08:06:11 | 1TB       |

INTEGRATED SEQUENCE FOR JST A043F JSX B116F WEEK 27 DOY 02-182/00:00 - 02-189/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|----------|--|-----------|---------|---------------|-----------------|-----------|
| 177     | 183 19:48:29            | 31    |     |               |          | YAWDB - .10  |           |         | 27288:26:001F | 02-183/08:06:11 | 1T        |
| 178     | 183 19:48:29            | 31    |     |               |          | B- ROLLDB  |           |         | 27288:26:001F | 02-183/08:06:11 | 1TB       |
| 179     | 183 19:48:29            | 31    |     |               |          | ROLLDB - .25   |           |         | 27288:26:001F | 02-183/08:06:11 | 1T        |
| 180     | 183 19:48:29            | 31    |     |               | AC7PAR   | (6741 001700) +YAW DB=.10 DEG                                  | AACS      |         | 27288:26:003F | 02-183/08:06:12 | 1ECa      |
| 181     | 183 19:48:29            | 31    |     |               | AC7PAR   | (6742 004540) +ROLL DB=.25 DEG                                 | AACS      |         | 27288:26:005F | 02-183/08:06:12 | 1ECa      |
| 182     | 183 19:48:30            | 31    | 65  | OPCH          | 65       |  |           |         |               |                 | 1TD       |
|         |                         |       |     |               |          | END ASCAL  |           |         |               |                 |           |
| 183     | 183 23:07:20            | 32    | 40  | SET           |          | 10 DEGREE SET DSC-40   |           |         |               |                 | 2V        |
| 184     | 184 00:00:00            | 31    |     |               |          | VGR-31 OWLT IS 11H 42M 19S                                     |           |         |               |                 | 1L        |
| 185     | 184 00:00:00            | 32    |     |               |          | VGR-32 OWLT IS 09H 14M 03S                                     |           |         |               |                 | 2L        |
| 186     | 184 00:19:31            | 31    | 10  | RISE          |          | 10 DEGREE RISE DSC-10  |           |         |               |                 | 1V        |
| 187     | 184 00:40:00            | 31    | 65  | LO            | OPCH ACE | LOS DSS-65 PASS-9091   |           |         |               |                 | 1DP       |
| 188     | 184 02:42:56            | 31    |     |               |          | B- UVSLEW  |           |         | 27297:04:001F | 02-183/15:00:35 | 1TB       |
| 189     | 184 02:42:56            | 31    |     |               |          | SLEW TO HELIO-7B   |           |         | 27297:04:001F | 02-183/15:00:35 | 1T        |
| 190     | 184 02:42:56            | 31    |     |               |          | B- PLATPOA   |           |         | 27297:04:001F | 02-183/15:00:35 | 1TB       |
| 191     | 184 02:42:56            | 31    |     |               | AC7SPK   | (1 12 1 088 231) EL SLEW R=LOW                                 | AACS      |         | 27297:04:003F | 02-183/15:00:36 | 1ECa      |
| 192     | 184 02:44:52            | 31    |     |               |          | B- SLEND   |           |         | 27297:06:334F | 02-183/15:02:31 | 1TB       |
| 193     | 184 02:44:52            | 31    |     |               | SLEWEND  | AZ=319.959 EL=147.031 CO=152.418                               |           |         | 27297:06:334F | 02-183/15:02:31 | 1T        |
| 194     | 184 03:25:00            | 31    | 24  | AO            | OPCH ACE | AOS DSS-24 PASS-9092 (D/L ONLY)                                |           |         |               |                 | 1DP       |
| 195     | 184 04:23:57            | 31    | 60  | SET           |          | 10 DEGREE SET DSC-60   |           |         |               |                 | 1V        |
| 196     | 184 06:58:14            | 32    | 40  | RISE          |          | 10 DEGREE RISE DSC-40  |           |         |               |                 | 2V        |
| 197     | 184 07:48:15            | 31    | 40  | RISE          |          | 10 DEGREE RISE DSC-40  |           |         |               |                 | 1V        |
| 198     | 184 08:05:00            | 32    | 43  | AO            | OPCH ACE | AOS DSS-43 PASS-9108 (U/L PASS)<br>XMTR ON PER TELECOM MESSAGE |           |         |               |                 | 2DP       |

INTEGRATED SEQUENCE FOR JST A043F JSX B116F WEEK 27 DOY 02-182/00:00 - 02-189/00:00

| 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     | 184 08:30:00            | 31    | 24 LO  | OPCH ACE      |         | LOS DSS-24 PASS-9092             |           |         |               |                 | 1DP       |
| 200     | 184 11:30:11            | 31    |        |               | AC7SSB  | (4 +140) SS BIAS CONTROL --- YAW | AACS      |         | 27308:03:003F | 02-183/23:47:48 | 1ECa      |
| 201     | 184 11:49:45            | 31    | 10 SET |               |         | 10 DEGREE SET DSC-10             |           |         |               |                 | 1V        |
| 202     | 184 12:00:00            | 31    |        |               |         | VGR-31 OWLT IS 11H 42M 23S       |           |         |               |                 | 1L        |
| 203     | 184 12:00:00            | 32    |        |               |         | VGR-32 OWLT IS 09H 14M 05S       |           |         |               |                 | 2L        |
| 204     | 184 13:48:29            | 32    |        |               | AC7SSB  | (4 +161) SS BIAS CONTROL --- YAW | AACS      |         | 21169:05:003F | 02-184/04:34:23 | 2ECa      |
| 205     | 184 16:42:37            | 31    | 60RISE |               |         | 10 DEGREE RISE DSC-60            |           |         |               |                 | 1V        |
| 206     | 184 16:51:56            | 31    | 40 SET |               |         | 10 DEGREE SET DSC-40             |           |         |               |                 | 1V        |
| 207     | 184 21:50:00            | 31    | 54 AO  | OPCH ACE      |         | AOS DSS-54 PASS-9092 (D/L ONLY)  |           |         |               |                 | 1DP       |
| 208     | 184 21:50:00            | 32    | 43 LO  | OPCH ACE      |         | LOS DSS-43 PASS-9108             |           |         |               |                 | 2DP       |
| 209     | 184 23:03:21            | 32    | 40 SET |               |         | 10 DEGREE SET DSC-40             |           |         |               |                 | 2V        |
| 210     | 185 00:00:00            | 31    |        |               |         | VGR-31 OWLT IS 11H 42M 27S       |           |         |               |                 | 1L        |
| 211     | 185 00:00:00            | 32    |        |               |         | VGR-32 OWLT IS 09H 14M 07S       |           |         |               |                 | 2L        |
| 212     | 185 00:15:33            | 31    | 10RISE |               |         | 10 DEGREE RISE DSC-10            |           |         |               |                 | 1V        |
| 213     | 185 02:15:00            | 31    | 25 AO  | OPCH ACE      |         | AOS DSS-25 PASS-9093 (D/L ONLY)  |           |         |               |                 | 1DP       |
| 214     | 185 02:20:00            | 31    | 54 LO  | OPCH ACE      |         | LOS DSS-54 PASS-9092             |           |         |               |                 | 1DP       |
| 215     | 185 02:43:04            | 31    |        |               |         | B- UVSLEW                        |           |         | 27327:04:001F | 02-184/15:00:35 | 1TB       |
| 216     | 185 02:43:04            | 31    |        |               |         | SLEW TO HELIO-6B                 |           |         | 27327:04:001F | 02-184/15:00:35 | 1T        |
| 217     | 185 02:43:04            | 31    |        |               |         | B- PLATPOA                       |           |         | 27327:04:001F | 02-184/15:00:35 | 1TB       |
| 218     | 185 02:43:04            | 31    |        |               | AC7SPK  | (1 12 1 097 161) EL SLEW R=LOW   | AACS      |         | 27327:04:003F | 02-184/15:00:36 | 1ECa      |
| 219     | 185 02:45:48            | 31    |        |               |         | B- SLEND                         |           |         | 27327:07:334F | 02-184/15:03:19 | 1TB       |
| 220     | 185 02:45:48            | 31    |        |               | SLEWEND | AZ=319.959 EL=134.030 CO=139.544 |           |         | 27327:07:334F | 02-184/15:03:19 | 1T        |
| 221     | 185 04:19:58            | 31    | 60 SET |               |         | 10 DEGREE SET DSC-60             |           |         |               |                 | 1V        |

INTEGRATED SEQUENCE FOR JST A043F JSX B116F WEEK 27 DOY 02-182/00:00 - 02-189/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|----------------------------------|-----------|---------|---------------|-----------------|-----------|
| 222     | 185 06:54:11            | 32    | 40RISE |               |         | 10 DEGREE RISE DSC-40            |           |         |               |                 | 2V        |
| 223     | 185 07:15:00            | 32    | 34 AO  | OPCH ACE      |         | AOS DSS-34 PASS-9109 (D/L ONLY)  |           |         |               |                 | 2DP       |
| 224     | 185 07:44:16            | 31    | 40RISE |               |         | 10 DEGREE RISE DSC-40            |           |         |               |                 | 1V        |
| 225     | 185 10:45:00            | 31    | 25 LO  | OPCH ACE      |         | LOS DSS-25 PASS-9093             |           |         |               |                 | 1DP       |
| 226     | 185 11:45:47            | 31    | 10 SET |               |         | 10 DEGREE SET DSC-10             |           |         |               |                 | 1V        |
| 227     | 185 12:00:00            | 31    |        |               |         | VGR-31 OWLT IS 11H 42M 31S       |           |         |               |                 | 1L        |
| 228     | 185 12:00:00            | 32    |        |               |         | VGR-32 OWLT IS 09H 14M 08S       |           |         |               |                 | 2L        |
| 229     | 185 16:04:45            | 31    |        |               | AC7SSB  | (3 +004) SS BIAS CONTROL - PITCH | AACS      |         | 27343:46:003F | 02-185/04:22:12 | 1ECa      |
| 230     | 185 16:38:40            | 31    | 60RISE |               |         | 10 DEGREE RISE DSC-60            |           |         |               |                 | 1V        |
| 231     | 185 16:47:58            | 31    | 40 SET |               |         | 10 DEGREE SET DSC-40             |           |         |               |                 | 1V        |
| 232     | 185 22:30:00            | 32    | 34 LO  | OPCH ACE      |         | LOS DSS-34 PASS-9109             |           |         |               |                 | 2DP       |
| 233     | 185 22:59:23            | 32    | 40 SET |               |         | 10 DEGREE SET DSC-40             |           |         |               |                 | 2V        |
| 234     | 186 00:00:00            | 31    |        |               |         | VGR-31 OWLT IS 11H 42M 36S       |           |         |               |                 | 1L        |
| 235     | 186 00:00:00            | 32    |        |               |         | VGR-32 OWLT IS 09H 14M 10S       |           |         |               |                 | 2L        |
| 236     | 186 00:11:35            | 31    | 10RISE |               |         | 10 DEGREE RISE DSC-10            |           |         |               |                 | 1V        |
| 237     | 186 00:55:00            | 31    | 63 AO  | OPCH ACE      |         | AOS DSS-63 PASS-9093 (D/L ONLY)  |           |         |               |                 | 1DP       |
| 238     | 186 02:43:12            | 31    |        |               |         | B- UVSLEW                        |           |         | 27357:04:001F | 02-185/15:00:35 | 1TB       |
| 239     | 186 02:43:12            | 31    |        |               |         | SLEW TO HELIO-5B                 |           |         | 27357:04:001F | 02-185/15:00:35 | 1T        |
| 240     | 186 02:43:12            | 31    |        |               |         | B- PLATPOA                       |           |         | 27357:04:001F | 02-185/15:00:35 | 1TB       |
| 241     | 186 02:43:12            | 31    |        |               | AC7SPK  | (1 12 1 104 214) EL SLEW R=LOW   | AACS      |         | 27357:04:003F | 02-185/15:00:36 | 1ECa      |
| 242     | 186 02:45:07            | 31    |        |               |         | B- SLEND                         |           |         | 27357:06:318F | 02-185/15:02:30 | 1TB       |
| 243     | 186 02:45:07            | 31    |        |               | SLEWEND | AZ=319.959 EL=125.038 CO=130.556 |           |         | 27357:06:318F | 02-185/15:02:30 | 1T        |
| 244     | 186 04:00:00            | 31    | 25 AO  | OPCH ACE      |         | AOS DSS-25 PASS-9094 (D/L ONLY)  |           |         |               |                 | 1DP       |

INTEGRATED SEQUENCE FOR JST A043F JSX B116F WEEK 27 DOY 02-182/00:00 - 02-189/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|----------|--|-----------|---------|---------------|-----------------|-----------|
| 245     | 186 04:16:00            | 31    | 60  | SET           |          | 10 DEGREE SET DSC-60   |           |         |               |                 | 1V        |
| 246     | 186 04:20:00            | 31    | 63  | LO            | OPCH ACE | LOS DSS-63 PASS-9093   |           |         |               |                 | 1DP       |
| 247     | 186 06:50:08            | 32    | 40  | RISE          |          | 10 DEGREE RISE DSC-40  |           |         |               |                 | 2V        |
| 248     | 186 07:40:17            | 31    | 40  | RISE          |          | 10 DEGREE RISE DSC-40  |           |         |               |                 | 1V        |
| 249     | 186 07:45:00            | 32    | 43  | AO            | OPCH ACE | AOS DSS-43 PASS-9110 (D/L ONLY)                                |           |         |               |                 | 2DP       |
| 250     | 186 10:40:00            | 31    | 25  | LO            | OPCH ACE | LOS DSS-25 PASS-9094   |           |         |               |                 | 1DP       |
| 251     | 186 10:50:00            | 32    | 43  | LO            | OPCH ACE | LOS DSS-43 PASS-9110   |           |         |               |                 | 2DP       |
| 252     | 186 11:41:48            | 31    | 10  | SET           |          | 10 DEGREE SET DSC-10   |           |         |               |                 | 1V        |
| 253     | 186 12:00:00            | 31    |     |               |          | VGR-31 OWLT IS 11H 42M 40S                                     |           |         |               |                 | 1L        |
| 254     | 186 12:00:00            | 32    |     |               |          | VGR-32 OWLT IS 09H 14M 12S                                     |           |         |               |                 | 2L        |
| 255     | 186 14:20:00            | 32    | 43  | AO            | OPCH ACE | AOS DSS-43 PASS-9110 (U/L PASS)<br>XMTR ON PER TELECOM MESSAGE |           |         |               |                 | 2DP       |
| 256     | 186 16:10:29            | 31    |     |               | CC16C    | (2211) DTR STATE SELECT: SLEW                                  | DTR       |         | 27373:53:002F | 02-186/04:27:48 | 1ECd      |
| 257     | 186 16:10:29            | 31    |     |               |          | DTR STATUS<br>MODE:SLEW RATE:007.2K<br>DIR:F TRK:1 TIC:2044    | DTR       |         | 27373:53:002F | 02-186/04:27:48 | 1ESd      |
| 258     | 186 16:34:42            | 31    | 60  | RISE          |          | 10 DEGREE RISE DSC-60  |           |         |               |                 | 1V        |
| 259     | 186 16:44:00            | 31    | 40  | SET           |          | 10 DEGREE SET DSC-40   |           |         |               |                 | 1V        |
| 260     | 186 16:52:28            | 31    |     |               | CC16C    | (7000) DTR STATE SELECT: READY                                 | DTR       |         | 27374:45:361F | 02-186/05:09:45 | 1ECd      |
| 261     | 186 16:52:28            | 31    |     |               |          | DTR STATUS<br>MODE:RDY RATE:000.0K<br>DIR:F TRK:1 TIC:2951     | DTR       |         | 27374:45:361F | 02-186/05:09:45 | 1ESd      |
| 262     | 186 17:45:00            | 31    | 65  | AO            | OPCH ACE | AOS DSS-65 PASS-9094 (D/L ONLY)                                |           |         |               |                 | 1DP       |



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| 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 |
|---------|-------------------------|-------|-----|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 277     | 186 19:12:50            | 31    |     |               |         | DTR STATUS<br>MODE:REC RATE:115.2K<br>DIR:R TRK:6 TIC:2951  | DTR       |         | 27377:40:735F | 02-186/07:30:08 | 1ESd      |
| 278     | 186 19:12:54            | 31    |     | ACE OPCH      |         | FDS STATUS<br>GS-4B/X2.8K/S40<br>MEM:PA/FDS11<br>-----> GS-4B NOT RECOVERABLE<br>----> RETAIN CR-5T CONFIGURATION                                 | FDS       | GS-4B   | 27377:41:001F | 02-186/07:30:11 | 1ESf      |
| 279     | 186 19:12:54            | 31    |     |               | CC3A    | (41310) X-BD TMU STATE CHANGE<br>DRIVER(S) 1 AND 2 ON<br>MOD INDEX=41 DATA RATE=HIGH<br>SUBCARRIER FREQ=22.5KHZ                                   | MDS       |         | 27377:41:002F | 02-186/07:30:11 | 1ECs      |
| 280     | 186 19:12:55            | 31    |     |               |         | B- DRCRUS   |           |         | 27377:41:018F | 02-186/07:30:12 | 1TB       |
| 281     | 186 19:12:55            | 31    |     |               | SC06BB  | (53 0 07 0) FDS MODE TO:<br>PLS INTEGRATION MODE: N/A<br>PPS SAFING COMMAND : N/A<br>ENGINEERING FORMAT : CRUISE<br>AACS READOUT MODE : TELEMETRY | FDS       |         | 27377:41:026F | 02-186/07:30:13 | 1ECf      |
| 282     | 186 19:13:42            | 31    |     | ACE OPCH      |         | FDS STATUS<br>CR-5T/X160/S10<br>MEM:PA/FDS11  | FDS       | CR-5T   | 27377:42:001F | 02-186/07:30:59 | 1ESf      |
| 283     | 186 19:13:42            | 31    |     |               | CC3A    | (32310) X-BD TMU STATE CHANGE<br>DRIVER(S) 1 AND 2 ON<br>MOD INDEX=32 DATA RATE=HIGH<br>SUBCARRIER FREQ=22.5KHZ                                   | MDS       |         | 27377:42:002F | 02-186/07:31:00 | 1ECs      |
| 284     | 186 19:13:42            | 31    |     |               | CC16C   | (7000) DTR STATE SELECT: READY  | DTR       |         | 27377:42:002F | 02-186/07:31:00 | 1ECd      |
| 285     | 186 19:13:42            | 31    |     |               |         | DTR STATUS<br>MODE:RDY RATE:000.0K<br>DIR:R TRK:6 TIC:2658  | DTR       |         | 27377:42:002F | 02-186/07:31:00 | 1ESd      |

INTEGRATED SEQUENCE FOR JST A043F JSX B116F WEEK 27 DOY 02-182/00:00 - 02-189/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|----------|---|-----------|---------|---------------|-----------------|-----------|
| 286     | 186 19:14:30            | 31    |     |               | SC32AJ   | (11) PLS CONFIG CMD   | FDS       |         | 27377:43:009F | 02-186/07:31:48 | 1ECf      |
| 287     | 186 19:14:31            | 31    |     |               |          | END PWSREC.31   |           |         | 27377:43:018F | 02-186/07:31:48 | 1T        |
| 288     | 186 21:20:07            | 31    |     |               | CC16C    | (2221) DTR STATE SELECT: SLEW                               | DTR       |         | 27380:20:002F | 02-186/09:37:24 | 1ECd      |
| 289     | 186 21:20:07            | 31    |     |               |          | DTR STATUS<br>MODE:SLEW RATE:007.2K<br>DIR:R TRK:1 TIC:2652 | DTR       |         | 27380:20:002F | 02-186/09:37:24 | 1ESd      |
| 290     | 186 21:45:00            | 32    | 43  | LO            | OPCH ACE | LOS DSS-43 PASS-9110  |           |         |               |                 | 2DP       |
| 291     | 186 21:48:13            | 31    |     |               | CC16C    | (7000) DTR STATE SELECT: READY                              | DTR       |         | 27380:55:106F | 02-186/10:05:30 | 1ECd      |
| 292     | 186 21:48:13            | 31    |     |               |          | DTR STATUS<br>MODE:RDY RATE:000.0K<br>DIR:R TRK:1 TIC:2044  | DTR       |         | 27380:55:106F | 02-186/10:05:30 | 1ESd      |
| 293     | 186 22:50:00            | 31    | 65  | LO            | OPCH ACE | LOS DSS-65 PASS-9094  |           |         |               |                 | 1DP       |
| 294     | 186 22:55:24            | 32    | 40  | SET           |          | 10 DEGREE SET DSC-40  |           |         |               |                 | 2V        |
| 295     | 187 00:00:00            | 31    |     |               |          | VGR-31 OWLT IS 11H 42M 44S                                  |           |         |               |                 | 1L        |
| 296     | 187 00:00:00            | 32    |     |               |          | VGR-32 OWLT IS 09H 14M 14S                                  |           |         |               |                 | 2L        |
| 297     | 187 00:07:38            | 31    |     | 10RISE        |          | 10 DEGREE RISE DSC-10                                       |           |         |               |                 | 1V        |
| 298     | 187 00:20:08            | 31    |     |               | CC16C    | (7024) DTR STATE SELECT: READY                              | DTR       |         | 27384:05:002F | 02-186/12:37:24 | 1ECd      |
| 299     | 187 00:20:08            | 31    |     |               |          | DTR STATUS<br>MODE:RDY RATE:000.0K<br>DIR:R TRK:4 TIC:2044  | DTR       |         | 27384:05:002F | 02-186/12:37:24 | 1ESd      |
| 300     | 187 01:20:00            | 31    | 25  | AO            | OPCH ACE | AOS DSS-25 PASS-9095 (D/L ONLY)                             |           |         |               |                 | 1DP       |
| 301     | 187 02:43:21            | 31    |     |               |          | B- UVSLEW   |           |         | 27387:04:001F | 02-186/15:00:35 | 1TB       |
| 302     | 187 02:43:21            | 31    |     |               |          | SLEW TO HELIO-4B  |           |         | 27387:04:001F | 02-186/15:00:35 | 1T        |

INTEGRATED SEQUENCE FOR JST A043F JSX B116F WEEK 27 DOY 02-182/00:00 - 02-189/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|----------|----------------------------------|-----------|---------|---------------|-----------------|-----------|
| 303     | 187 02:43:21            | 31    |     |               |          | B- PLATPOA                       |           |         | 27387:04:001F | 02-186/15:00:35 | 1TB       |
| 304     | 187 02:43:21            | 31    |     |               | AC7SPK   | (1 12 2 111 171) EL SLEW R=LOW   | AACS      |         | 27387:04:003F | 02-186/15:00:36 | 1ECa      |
| 305     | 187 02:45:29            | 31    |     |               |          | B- SLEND                         |           |         | 27387:06:534F | 02-186/15:02:43 | 1TB       |
| 306     | 187 02:45:29            | 31    |     |               | SLEWEND  | AZ=319.959 EL=115.043 CO=120.581 |           |         | 27387:06:534F | 02-186/15:02:43 | 1T        |
| 307     | 187 04:12:01            | 31    | 60  | SET           |          | 10 DEGREE SET DSC-60             |           |         |               |                 | 1V        |
| 308     | 187 06:46:05            | 32    | 40  | RISE          |          | 10 DEGREE RISE DSC-40            |           |         |               |                 | 2V        |
| 309     | 187 07:36:19            | 31    | 40  | RISE          |          | 10 DEGREE RISE DSC-40            |           |         |               |                 | 1V        |
| 310     | 187 07:49:27            | 32    |     |               | AC7SSB   | (3 -011) SS BIAS CONTROL - PITCH | AACS      |         | 21251:36:003F | 02-186/22:35:11 | 2ECa      |
| 311     | 187 09:15:00            | 32    | 45  | AO            | OPCH ACE | AOS DSS-45 PASS-9111 (D/L ONLY)  |           |         |               |                 | 2DP       |
| 312     | 187 10:35:00            | 31    | 25  | LO            | OPCH ACE | LOS DSS-25 PASS-9095             |           |         |               |                 | 1DP       |
| 313     | 187 11:37:50            | 31    | 10  | SET           |          | 10 DEGREE SET DSC-10             |           |         |               |                 | 1V        |
| 314     | 187 12:00:00            | 31    |     |               |          | VGR-31 OWLT IS 11H 42M 48S       |           |         |               |                 | 1L        |
| 315     | 187 12:00:00            | 32    |     |               |          | VGR-32 OWLT IS 09H 14M 16S       |           |         |               |                 | 2L        |
| 316     | 187 16:16:40            | 32    |     |               | AC7SSB   | (4 +162) SS BIAS CONTROL --- YAW | AACS      |         | 21262:10:003F | 02-187/07:02:23 | 2ECa      |
| 317     | 187 16:30:44            | 31    | 60  | RISE          |          | 10 DEGREE RISE DSC-60            |           |         |               |                 | 1V        |
| 318     | 187 16:40:03            | 31    | 40  | SET           |          | 10 DEGREE SET DSC-40             |           |         |               |                 | 1V        |
| 319     | 187 18:40:00            | 31    | 65  | AO            | OPCH ACE | AOS DSS-65 PASS-9095 (D/L ONLY)  |           |         |               |                 | 1DP       |
| 320     | 187 19:15:00            | 32    | 45  | LO            | OPCH ACE | LOS DSS-45 PASS-9111             |           |         |               |                 | 2DP       |
| 321     | 187 22:51:25            | 32    | 40  | SET           |          | 10 DEGREE SET DSC-40             |           |         |               |                 | 2V        |
| 322     | 188 00:00:00            | 31    |     |               |          | VGR-31 OWLT IS 11H 42M 53S       |           |         |               |                 | 1L        |
| 323     | 188 00:00:00            | 32    |     |               |          | VGR-32 OWLT IS 09H 14M 18S       |           |         |               |                 | 2L        |
| 324     | 188 00:03:40            | 31    | 10  | RISE          |          | 10 DEGREE RISE DSC-10            |           |         |               |                 | 1V        |
| 325     | 188 02:15:00            | 31    | 65  | LO            | OPCH ACE | LOS DSS-65 PASS-9095             |           |         |               |                 | 1DP       |

INTEGRATED SEQUENCE FOR JST A043F JSX B116F WEEK 27 DOY 02-182/00:00 - 02-189/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|----------|----------------------------------|-----------|---------|---------------|-----------------|-----------|
| 326     | 188 02:43:30            | 31    |     |               |          | B- UVSLEW                        |           |         | 27417:04:001F | 02-187/15:00:35 | 1TB       |
| 327     | 188 02:43:30            | 31    |     |               |          | SLEW TO HELIO-3B                 |           |         | 27417:04:001F | 02-187/15:00:35 | 1T        |
| 328     | 188 02:43:30            | 31    |     |               |          | B- PLATPOA                       |           |         | 27417:04:001F | 02-187/15:00:35 | 1TB       |
| 329     | 188 02:43:30            | 31    |     |               | AC7SPK   | (1 12 1 118 128) EL SLEW R=LOW   | AACS      |         | 27417:04:003F | 02-187/15:00:36 | 1ECa      |
| 330     | 188 02:45:37            | 31    |     |               |          | B- SLEND                         |           |         | 27417:06:518F | 02-187/15:02:42 | 1TB       |
| 331     | 188 02:45:37            | 31    |     |               | SLEWEND  | AZ=319.959 EL=105.050 CO=110.606 |           |         | 27417:06:518F | 02-187/15:02:42 | 1T        |
| 332     | 188 03:45:00            | 31    | 15  | AO            | OPCH ACE | AOS DSS-15 PASS-9096 (D/L ONLY)  |           |         |               |                 | 1DP       |
| 333     | 188 04:08:02            | 31    | 60  | SET           |          | 10 DEGREE SET DSC-60             |           |         |               |                 | 1V        |
| 334     | 188 06:42:02            | 32    | 40  | RISE          |          | 10 DEGREE RISE DSC-40            |           |         |               |                 | 2V        |
| 335     | 188 07:32:20            | 31    | 40  | RISE          |          | 10 DEGREE RISE DSC-40            |           |         |               |                 | 1V        |
| 336     | 188 09:50:00            | 32    | 43  | AO            | OPCH ACE | AOS DSS-43 PASS-9112 (D/L ONLY)  |           |         |               |                 | 2DP       |
| 337     | 188 10:30:00            | 31    | 15  | LO            | OPCH ACE | LOS DSS-15 PASS-9096             |           |         |               |                 | 1DP       |
| 338     | 188 11:33:51            | 31    | 10  | SET           |          | 10 DEGREE SET DSC-10             |           |         |               |                 | 1V        |
| 339     | 188 12:00:00            | 31    |     |               |          | VGR-31 OWLT IS 11H 42M 57S       |           |         |               |                 | 1L        |
| 340     | 188 12:00:00            | 32    |     |               |          | VGR-32 OWLT IS 09H 14M 20S       |           |         |               |                 | 2L        |
| 341     | 188 16:26:46            | 31    | 60  | RISE          |          | 10 DEGREE RISE DSC-60            |           |         |               |                 | 1V        |
| 342     | 188 16:36:05            | 31    | 40  | SET           |          | 10 DEGREE SET DSC-40             |           |         |               |                 | 1V        |
| 343     | 188 20:20:00            | 31    | 63  | AO            | OPCH ACE | AOS DSS-63 PASS-9096 (D/L ONLY)  |           |         |               |                 | 1DP       |
| 344     | 188 21:40:00            | 32    | 43  | LO            | OPCH ACE | LOS DSS-43 PASS-9112             |           |         |               |                 | 2DP       |
| 345     | 188 22:47:27            | 32    | 40  | SET           |          | 10 DEGREE SET DSC-40             |           |         |               |                 | 2V        |
| 346     | 188 23:59:42            | 31    | 10  | RISE          |          | 10 DEGREE RISE DSC-10            |           |         |               |                 | 1V        |
| 347     | 189 00:00:00            | 31    |     |               |          | VGR-31 OWLT IS 11H 43M 01S       |           |         |               |                 | 1L        |
| 348     | 189 00:00:00            | 32    |     |               |          | VGR-32 OWLT IS 09H 14M 22S       |           |         |               |                 | 2L        |