

INTEGRATED SEQUENCE FOR JST A028F JSX B100F WEEK 32 DOY 98-215/00:00 - 98-222/00:00

| 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       | 215 00:00:00            | 31    |        |               |         | VGR-31 OWLT IS 09H 47M 33S      |           |         |           |          | 1L        |
| 2       | 215 00:00:00            | 32    |        |               |         | VGR-32 OWLT IS 07H 34M 15S      |           |         |           |          | 2L        |
| 3       | 215 00:40:00            | 31    | 15 AOS | OPCH ACE      |         | AOS DSS-15 PASS-7658 (D/L ONLY) |           |         |           |          | 1DP       |
| 4       | 215 00:55:00            | 31    | 65 LOS | OPCH ACE      |         | LOS DSS-65 PASS-7657            |           |         |           |          | 1DP       |
| 5       | 215 01:43:33            | 31    | 60 SET |               |         | 10 DEGREE SET DSC-60            |           |         |           |          | 1V        |
| 6       | 215 04:40:00            | 32    | 45 AOS | OPCH ACE      |         | AOS DSS-45 PASS-7674 (D/L ONLY) |           |         |           |          | 2DP       |
| 7       | 215 05:03:28            | 32    | 40RISE |               |         | 10 DEGREE RISE DSC-40           |           |         |           |          | 2V        |
| 8       | 215 05:37:18            | 31    | 40RISE |               |         | 10 DEGREE RISE DSC-40           |           |         |           |          | 1V        |
| 9       | 215 09:30:00            | 31    | 15 LOS | OPCH ACE      |         | LOS DSS-15 PASS-7658            |           |         |           |          | 1DP       |
| 10      | 215 09:36:44            | 31    | 10 SET |               |         | 10 DEGREE SET DSC-10            |           |         |           |          | 1V        |
| 11      | 215 12:00:00            | 31    |        |               |         | VGR-31 OWLT IS 09H 47M 38S      |           |         |           |          | 1L        |
| 12      | 215 12:00:00            | 32    |        |               |         | VGR-32 OWLT IS 07H 34M 18S      |           |         |           |          | 2L        |
| 13      | 215 14:31:51            | 31    | 60RISE |               |         | 10 DEGREE RISE DSC-60           |           |         |           |          | 1V        |
| 14      | 215 14:39:02            | 31    | 40 SET |               |         | 10 DEGREE SET DSC-40            |           |         |           |          | 1V        |
| 15      | 215 17:20:00            | 31    | 65 AOS | OPCH ACE      |         | AOS DSS-65 PASS-7658 (D/L ONLY) |           |         |           |          | 1DP       |
| 16      | 215 20:19:13            | 32    | 40 SET |               |         | 10 DEGREE SET DSC-40            |           |         |           |          | 2V        |
| 17      | 215 20:40:00            | 32    | 45 LOS | OPCH ACE      |         | LOS DSS-45 PASS-7674            |           |         |           |          | 2DP       |
| 18      | 215 22:04:40            | 31    | 10RISE |               |         | 10 DEGREE RISE DSC-10           |           |         |           |          | 1V        |
| 19      | 215 23:25:00            | 31    | 25 AOS | OPCH ACE      |         | AOS DSS-25 PASS-7659 (D/L ONLY) |           |         |           |          | 1DP       |
| 20      | 215 23:45:00            | 31    | 65 LOS | OPCH ACE      |         | LOS DSS-65 PASS-7658            |           |         |           |          | 1DP       |
| 21      | 216 00:00:00            | 31    |        |               |         | VGR-31 OWLT IS 09H 47M 44S      |           |         |           |          | 1L        |
| 22      | 216 00:00:00            | 32    |        |               |         | VGR-32 OWLT IS 07H 34M 22S      |           |         |           |          | 2L        |
| 23      | 216 01:39:36            | 31    | 60 SET |               |         | 10 DEGREE SET DSC-60            |           |         |           |          | 1V        |







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|---------|-------------------------|-------|--------|---------------|---------|--|-----------|---------|---------------|-----------------|-----------|
| 60      | 216 11:18:01            | 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       |         | 49976:11:002F | 98-216/01:30:12 | 1ECs      |
| 61      | 216 11:18:02            | 31    |        |               |         | B- DRCRUS  |           |         | 49976:11:018F | 98-216/01:30:12 | 1TB       |
| 62      | 216 11:18:02            | 31    |        |               | SC06BB  | (53 0 07 0) FDS MODE TO: CR-5T<br>PLS INTEGRATION MODE: 0.96 SEC<br>PPS SAFING COMMAND : N/A<br>ENGINEERING FORMAT : CRUISE<br>AACS READOUT MODE : TELEMETRY | FDS       |         | 49976:11:026F | 98-216/01:30:13 | 1ECF      |
| 63      | 216 11:18:49            | 31    |        | ACE OPCH      |         | FDS STATUS<br>CR-5T/X160/S10<br>MEM:PA/FDS11   | FDS       | CR-5T   | 49976:12:001F | 98-216/01:30:59 | 1ESF      |
| 64      | 216 11:18:49            | 31    |        |               | CC16C   | (7000) DTR STATE SELECT: READY   | DTR       |         | 49976:12:002F | 98-216/01:31:00 | 1ECD      |
| 65      | 216 11:18:49            | 31    |        |               |         | DTR STATUS<br>MODE:RDY RATE:000.0K<br>DIR:R TRK:4 TIC:0855   | DTR       |         | 49976:12:002F | 98-216/01:31:00 | 1ESd      |
| 66      | 216 11:18:49            | 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       |         | 49976:12:002F | 98-216/01:31:00 | 1ECs      |
| 67      | 216 11:19:37            | 31    |        |               | SC32AJ  | (11) PLS CONFIG CMD  | FDS       |         | 49976:13:010F | 98-216/01:31:48 | 1ECf      |
| 68      | 216 11:19:38            | 31    |        |               |         | END PWSREC.31  |           |         | 49976:13:018F | 98-216/01:31:48 | 1T        |
| 69      | 216 12:00:00            | 31    |        |               |         | VGR-31 OWLT IS 09H 47M 49S   |           |         |               |                 | 1L        |
| 70      | 216 12:00:00            | 32    |        |               |         | VGR-32 OWLT IS 07H 34M 26S   |           |         |               |                 | 2L        |
| 71      | 216 14:27:55            | 31    | 60RISE |               |         | 10 DEGREE RISE DSC-60  |           |         |               |                 | 1V        |
| 72      | 216 14:35:05            | 31    | 40 SET |               |         | 10 DEGREE SET DSC-40   |           |         |               |                 | 1V        |
| 73      | 216 14:40:00            | 31    | 65 AOS | OPCH ACE      |         | AOS DSS-65 PASS-7659 (D/L ONLY)  |           |         |               |                 | 1DP       |

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|---------|-------------------------|-------|--------|---------------|---------|--|-----------|---------|---------------|-----------------|-----------|
| 74      | 216 15:15:00            | 32    | 45 AOS | OPCH ACE      |         | AOS DSS-45 PASS-7675 (D/L ONLY)                                |           |         |               |                 | 2DP       |
| 75      | 216 15:30:00            | 32    | 34 LOS | OPCH ACE      |         | LOS DSS-34 PASS-7675   |           |         |               |                 | 2DP       |
| 76      | 216 18:10:00            | 32    | 43 AOS | OPCH ACE      |         | AOS DSS-43 PASS-7675 (U/L PASS)<br>XMTR ON PER TELECOM MESSAGE |           |         |               |                 | 2DP       |
| 77      | 216 18:30:00            | 32    | 45 LOS | OPCH ACE      |         | LOS DSS-45 PASS-7675   |           |         |               |                 | 2DP       |
| 78      | 216 20:15:13            | 32    | 40 SET |               |         | 10 DEGREE SET DSC-40   |           |         |               |                 | 2V        |
| 79      | 216 20:40:00            | 32    | 43 LOS | OPCH ACE      |         | LOS DSS-43 PASS-7675   |           |         |               |                 | 2DP       |
| 80      | 216 22:00:43            | 31    | 10RISE |               |         | 10 DEGREE RISE DSC-10  |           |         |               |                 | 1V        |
| 81      | 217 00:00:00            | 31    |        |               |         | VGR-31 OWLT IS 09H 47M 55S                                     |           |         |               |                 | 1L        |
| 82      | 217 00:00:00            | 32    |        |               |         | VGR-32 OWLT IS 07H 34M 30S                                     |           |         |               |                 | 2L        |
| 83      | 217 01:20:00            | 31    | 15 AOS | OPCH ACE      |         | AOS DSS-15 PASS-7660 (D/L ONLY)                                |           |         |               |                 | 1DP       |
| 84      | 217 01:30:00            | 31    | 65 LOS | OPCH ACE      |         | LOS DSS-65 PASS-7659   |           |         |               |                 | 1DP       |
| 85      | 217 01:35:42            | 31    | 60 SET |               |         | 10 DEGREE SET DSC-60   |           |         |               |                 | 1V        |
| 86      | 217 01:48:32            | 31    |        |               | CC7GY   | (3) DRIRU INITIALIZE [P/Y/R]                                   | AACS      |         | 49994:19:002F | 98-216/16:00:35 | 1ECa      |
| 87      | 217 02:56:55            | 32    |        |               | AC7SSB  | (3 -018) SS BIAS CONTROL - PITCH                               | AACS      |         | 43853:35:002F | 98-216/19:22:23 | 2ECa      |
| 88      | 217 04:30:00            | 32    | 45 AOS | OPCH ACE      |         | AOS DSS-45 PASS-7676 (D/L ONLY)                                |           |         |               |                 | 2DP       |
| 89      | 217 04:55:24            | 32    | 40RISE |               |         | 10 DEGREE RISE DSC-40  |           |         |               |                 | 2V        |
| 90      | 217 05:29:20            | 31    | 40RISE |               |         | 10 DEGREE RISE DSC-40  |           |         |               |                 | 1V        |
| 91      | 217 09:25:00            | 31    | 15 LOS | OPCH ACE      |         | LOS DSS-15 PASS-7660   |           |         |               |                 | 1DP       |
| 92      | 217 09:28:48            | 31    | 10 SET |               |         | 10 DEGREE SET DSC-10   |           |         |               |                 | 1V        |
| 93      | 217 12:00:00            | 31    |        |               |         | VGR-31 OWLT IS 09H 48M 00S                                     |           |         |               |                 | 1L        |
| 94      | 217 12:00:00            | 32    |        |               |         | VGR-32 OWLT IS 07H 34M 34S                                     |           |         |               |                 | 2L        |
| 95      | 217 14:23:59            | 31    | 60RISE |               |         | 10 DEGREE RISE DSC-60  |           |         |               |                 | 1V        |
| 96      | 217 14:31:09            | 31    | 40 SET |               |         | 10 DEGREE SET DSC-40   |           |         |               |                 | 1V        |

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|---------|-------------------------|-------|--------|---------------|---------|--|-----------|---------|---------------|-----------------|-----------|
| 97      | 217 15:35:00            | 31    | 65 AOS | OPCH ACE      |         | AOS DSS-65 PASS-7660 (D/L ONLY)  |           |         |               |                 | 1DP       |
| 98      | 217 17:12:39            | 31    |        |               | AC7SSB  | (3 +013) SS BIAS CONTROL - PITCH   | AACS      |         | 50013:34:002F | 98-217/07:24:36 | 1ECa      |
| 99      | 217 17:53:00            | 32    |        |               | AC7SSB  | (4 +174) SS BIAS CONTROL --- YAW   | AACS      |         | 43872:15:002F | 98-217/10:18:23 | 2ECa      |
| 100     | 217 19:48:40            | 31    |        |               |         | B- UVSLEW  |           |         | 50016:49:001F | 98-217/10:00:35 | 1TB       |
| 101     | 217 19:48:40            | 31    |        |               |         | SLEW TO SAFE   |           |         | 50016:49:001F | 98-217/10:00:35 | 1T        |
| 102     | 217 19:48:40            | 31    |        |               |         | B- PLATPOB   |           |         | 50016:49:001F | 98-217/10:00:35 | 1TB       |
| 103     | 217 19:48:40            | 31    |        |               | AC7SPK  | (1 12 1 128 129) EL SLEW R=LOW   | AACS      |         | 50016:49:003F | 98-217/10:00:36 | 1ECa      |
| 104     | 217 19:48:40            | 31    |        |               | AC7SPK  | (2 12 2 088 079) AZ SLEW R=LOW   | AACS      |         | 50016:49:005F | 98-217/10:00:36 | 1ECa      |
| 105     | 217 20:05:01            | 31    |        |               |         | B- SLEND   |           |         | 50017:09:351F | 98-217/10:16:56 | 1TB       |
| 106     | 217 20:05:01            | 31    |        |               | SLEWEND | AZ=109.985 EL=90.016 CO=86.930   |           |         | 50017:09:351F | 98-217/10:16:56 | 1T        |
| 107     | 217 20:11:13            | 32    | 40 SET |               |         | 10 DEGREE SET DSC-40   |           |         |               |                 | 2V        |
| 108     | 217 20:35:00            | 32    | 45 LOS | OPCH ACE      |         | LOS DSS-45 PASS-7676   |           |         |               |                 | 2DP       |
| 109     | 217 21:56:47            | 31    | 10RISE |               |         | 10 DEGREE RISE DSC-10  |           |         |               |                 | 1V        |
| 110     | 218 00:00:00            | 31    |        |               |         | VGR-31 OWLT IS 09H 48M 06S   |           |         |               |                 | 1L        |
| 111     | 218 00:00:00            | 32    |        |               |         | VGR-32 OWLT IS 07H 34M 38S   |           |         |               |                 | 2L        |
| 112     | 218 00:55:00            | 31    | 15 AOS | OPCH ACE      |         | AOS DSS-15 PASS-7661 (D/L ONLY)  |           |         |               |                 | 1DP       |
| 113     | 218 01:10:00            | 31    | 65 LOS | OPCH ACE      |         | LOS DSS-65 PASS-7660   |           |         |               |                 | 1DP       |
| 114     | 218 01:31:45            | 31    | 60 SET |               |         | 10 DEGREE SET DSC-60   |           |         |               |                 | 1V        |
| 115     | 218 04:51:22            | 32    | 40RISE |               |         | 10 DEGREE RISE DSC-40  |           |         |               |                 | 2V        |
| 116     | 218 05:25:22            | 31    | 40RISE |               |         | 10 DEGREE RISE DSC-40  |           |         |               |                 | 1V        |
| 117     | 218 06:30:00            | 32    | 45 AOS | OPCH ACE      |         | AOS DSS-45 PASS-7677 (D/L ONLY)  |           |         |               |                 | 2DP       |
| 118     | 218 09:00:00            | 31    | 34 AOS | OPCH ACE      |         | AOS DSS-34 PASS-7661 (U/L PASS)<br>PERFORM RFSTLC PER TELECOM<br>MESSAGE |           |         |               |                 | 1DP       |

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|---------|-------------------------|-------|--------|---------------|---------|--|-----------|---------|-----------|----------|-----------|
| 119     | 218 09:20:00            | 31    | 15 LOS | OPCH ACE      |         | LOS DSS-15 PASS-7661   |           |         |           |          | 1DP       |
| 120     | 218 09:24:49            | 31    | 10 SET |               |         | 10 DEGREE SET DSC-10   |           |         |           |          | 1V        |
| 121     | 218 12:00:00            | 31    | 34     | OPCH 34       |         | == START TLC TEST UP-LINK ==<br>== EXECUTE PER DSN SUPPLIED ==<br>== TUNING INSTRUCTIONS ==  |           |         |           |          | 1TD       |
| 122     | 218 12:00:00            | 31    | 34     | OPCH 34       |         | == TLC TEST UP-LINK ==<br>TURN RANGING MOD OFF (IF APPL)                                     |           |         |           |          | 1TD       |
| 123     | 218 12:00:00            | 31    |        |               |         | VGR-31 OWLT IS 09H 48M 12S   |           |         |           |          | 1L        |
| 124     | 218 12:00:00            | 32    |        |               |         | VGR-32 OWLT IS 07H 34M 41S   |           |         |           |          | 2L        |
| 125     | 218 12:01:00            | 31    | 34     | OPCH 34       |         | == TLC TEST UP-LINK ==<br>TURN COMMAND MOD OFF (IF APPL)<br>NO COMMANDING FOR 1 HR 56 MIN    |           |         |           |          | 1TD       |
| 126     | 218 12:02:00            | 31    | 34     | OPCH 34       |         | == TLC TEST UP-LINK ==<br>== TUNE U/L AT 48 HZ/SEC ==<br>== TO XA-65 KHZ (S-BAND) ==         |           |         |           |          | 1TD       |
| 127     | 218 12:27:00            | 31    | 34     | OPCH 34       |         | == END TLC TEST UP-LINK ==<br>== TURN TRANSMITTER OFF ==<br>TUNE TO TSF @ 48 HZ/SEC (S-BAND) |           |         |           |          | 1TD       |
| 128     | 218 13:30:00            | 31    | 34 LOS | OPCH ACE      |         | LOS DSS-34 PASS-7661   |           |         |           |          | 1DP       |
| 129     | 218 14:20:03            | 31    | 60RISE |               |         | 10 DEGREE RISE DSC-60  |           |         |           |          | 1V        |
| 130     | 218 14:27:13            | 31    | 40 SET |               |         | 10 DEGREE SET DSC-40   |           |         |           |          | 1V        |
| 131     | 218 17:20:00            | 31    | 65 AOS | OPCH ACE      |         | AOS DSS-65 PASS-7661 (D/L ONLY)  |           |         |           |          | 1DP       |





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|---------|-------------------------|-------|--------|---------------|---------|---------------------------------|-----------|---------|---------------|-----------------|-----------|
| 147     | 218 17:48:50            | 31    |        |               | AC7SPK  | (1 12 2 109 091) EL SLEW R=LOW  | AACS      |         | 50044:19:003F | 98-218/08:00:36 | 1ECa      |
| 148     | 218 17:48:50            | 31    |        |               | AC7SPK  | (2 12 1 022 058) AZ SLEW R=LOW  | AACS      |         | 50044:19:005F | 98-218/08:00:36 | 1ECa      |
| 149     | 218 18:13:29            | 31    |        |               |         | B- SLEND                        |           |         | 50044:49:634F | 98-218/08:25:13 | 1TB       |
| 150     | 218 18:13:29            | 31    |        |               | SLEWEND | AZ=15.804 EL=117.316 CO=123.205 |           |         | 50044:49:634F | 98-218/08:25:13 | 1T        |
| 151     | 218 20:05:00            | 32    | 45 LOS | OPCH ACE      |         | LOS DSS-45 PASS-7677            |           |         |               |                 | 2DP       |
| 152     | 218 20:07:13            | 32    | 40 SET |               |         | 10 DEGREE SET DSC-40            |           |         |               |                 | 2V        |
| 153     | 218 20:48:52            | 31    |        |               |         | B- UVSLEW                       |           |         | 50048:04:001F | 98-218/11:00:35 | 1TB       |
| 154     | 218 20:48:52            | 31    |        |               |         | SLEW TO SAFE                    |           |         | 50048:04:001F | 98-218/11:00:35 | 1T        |
| 155     | 218 20:48:52            | 31    |        |               |         | B- PLATPOB                      |           |         | 50048:04:001F | 98-218/11:00:35 | 1TB       |
| 156     | 218 20:48:52            | 31    |        |               | AC7SPK  | (2 12 1 088 212) AZ SLEW R=LOW  | AACS      |         | 50048:04:003F | 98-218/11:00:36 | 1ECa      |
| 157     | 218 20:48:52            | 31    |        |               | AC7SPK  | (1 12 1 128 128) EL SLEW R=LOW  | AACS      |         | 50048:04:005F | 98-218/11:00:36 | 1ECa      |
| 158     | 218 21:13:40            | 31    |        |               |         | B- SLEND                        |           |         | 50048:35:001F | 98-218/11:25:23 | 1TB       |
| 159     | 218 21:13:40            | 31    |        |               | SLEWEND | AZ=110.013 EL=90.044 CO=86.924  |           |         | 50048:35:001F | 98-218/11:25:23 | 1T        |
| 160     | 218 21:52:51            | 31    | 10RISE |               |         | 10 DEGREE RISE DSC-10           |           |         |               |                 | 1V        |
| 161     | 219 00:00:00            | 31    |        |               |         | VGR-31 OWLT IS 09H 48M 17S      |           |         |               |                 | 1L        |
| 162     | 219 00:00:00            | 32    |        |               |         | VGR-32 OWLT IS 07H 34M 45S      |           |         |               |                 | 2L        |
| 163     | 219 01:15:00            | 31    | 15 AOS | OPCH ACE      |         | AOS DSS-15 PASS-7662 (D/L ONLY) |           |         |               |                 | 1DP       |
| 164     | 219 01:27:51            | 31    | 60 SET |               |         | 10 DEGREE SET DSC-60            |           |         |               |                 | 1V        |
| 165     | 219 01:30:00            | 31    | 65 LOS | OPCH ACE      |         | LOS DSS-65 PASS-7661            |           |         |               |                 | 1DP       |
| 166     | 219 04:47:21            | 32    | 40RISE |               |         | 10 DEGREE RISE DSC-40           |           |         |               |                 | 2V        |
| 167     | 219 04:53:44            | 31    |        |               |         | B- RFSTLC                       |           |         | 50058:10:001F | 98-218/19:05:23 | 1TB       |
| 168     | 219 05:21:23            | 31    | 40RISE |               |         | 10 DEGREE RISE DSC-40           |           |         |               |                 | 1V        |
| 169     | 219 05:30:00            | 32    | 45 AOS | OPCH ACE      |         | AOS DSS-45 PASS-7678 (D/L ONLY) |           |         |               |                 | 2DP       |





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|---------|-------------------------|-------|--------|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 203     | 220 01:59:06            | 31    |        |               |         | AACS STATUS<br>MODE : AAI GYRO A: ON<br>HYBIC: 2 GYRO B: ON<br>CST : ON GRYO C: OFF | AACS      |         | 50084:31:424F | 98-219/16:10:37 | 1ESa      |
| 204     | 220 01:59:06            | 31    |        |               | CC10CRP | TCM THRUSTER HEATERS OFF  | PWR       |         | 50084:31:425F | 98-219/16:10:37 | 1ECp      |
| 205     | 220 01:59:06            | 31    |        |               | CC10CRP | TCM THRUSTER HEATERS OFF  | PWR       |         | 50084:31:427F | 98-219/16:10:37 | 1ECp      |
| 206     | 220 01:59:07            | 31    |        |               | CC7PC   | (312) DUMMY PWR CMD   | AACS      |         | 50084:31:429F | 98-219/16:10:37 | 1ECa      |
| 207     | 220 02:02:06            | 31    |        |               | AC7TCD  | (322 033605) TURN COMMAND<br>AXIS=ROLL POL=NEG RNG SCALE=X10                        | AACS      |         | 50084:35:220F | 98-219/16:13:37 | 1ECa      |
| 208     | 220 04:20:00            | 32    | 45 AOS | OPCH ACE      |         | AOS DSS-45 PASS-7679 (D/L ONLY)   |           |         |               |                 | 2DP       |
| 209     | 220 04:43:19            | 32    | 40RISE |               |         | 10 DEGREE RISE DSC-40   |           |         |               |                 | 2V        |
| 210     | 220 05:17:25            | 31    | 40RISE |               |         | 10 DEGREE RISE DSC-40   |           |         |               |                 | 1V        |
| 211     | 220 06:30:21            | 31    |        |               | SC32AJ  | (10) PLS CONFIG CMD   | FDS       |         | 50090:10:426F | 98-219/20:41:49 | 1ECf      |
| 212     | 220 07:03:52            | 31    |        |               | SC32AJ  | (11) PLS CONFIG CMD   | FDS       |         | 50090:52:342F | 98-219/21:15:20 | 1ECf      |
| 213     | 220 07:37:24            | 31    |        |               |         | ROLL TURN COMPLETE (NOMINAL)  |           |         | 50091:34:268F | 98-219/21:48:51 | 1T        |
| 214     | 220 07:40:12            | 31    |        |               | CC7PC   | (345) CMDED TURN COMPLETE   | AACS      |         | 50091:37:670F | 98-219/21:51:40 | 1ECa      |
| 215     | 220 07:41:09            | 31    |        |               | SC32AJ  | (11) PLS CONFIG CMD   | FDS       |         | 50091:39:026F | 98-219/21:52:37 | 1ECf      |
| 216     | 220 07:50:09            | 31    |        |               |         | RESET CALIB   |           |         | 50091:50:218F | 98-219/22:01:36 | 1T        |
| 217     | 220 07:50:09            | 31    |        |               | AC7PAR  | (7530 000000) PARAMETER LOAD  | AACS      |         | 50091:50:220F | 98-219/22:01:37 | 1ECa      |
| 218     | 220 07:50:39            | 31    |        |               | CC7SS   | (1) SS SEARCH ENABLE  | AACS      |         | 50091:50:719F | 98-219/22:02:07 | 1ECa      |
| 219     | 220 07:50:39            | 31    |        |               | CC7PC   | (327) IDET ACQUIRED   | AACS      |         | 50091:50:719F | 98-219/22:02:07 | 1ECa      |
| 220     | 220 07:50:39            | 31    |        |               | CC7GCRP | GYRO C OFF  | PWR       |         | 50091:50:720F | 98-219/22:02:07 | 1ECp      |
| 221     | 220 07:50:39            | 31    |        |               | CC7GCRP | GYRO C OFF  | PWR       |         | 50091:50:722F | 98-219/22:02:07 | 1ECp      |
| 222     | 220 07:50:39            | 31    |        |               | CC7PC   | (372) GYRO C OFF  | AACS      |         | 50091:50:724F | 98-219/22:02:07 | 1ECa      |

INTEGRATED SEQUENCE FOR JST A028F JSX B100F WEEK 32 DOY 98-215/00:00 - 98-222/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 223     | 220 07:50:39            | 31    |     |               |         | AACS STATUS<br>MODE : RAI GYRO A: ON<br>HYBIC: 2 GYRO B: ON<br>CST : ON GRYO C: OFF | AACS      |         | 50091:50:724F | 98-219/22:02:07 | 1ESa      |
| 224     | 220 07:50:39            | 31    |     |               | CC10CRP | TCM THRUSTER HEATERS OFF  | PWR       |         | 50091:50:725F | 98-219/22:02:07 | 1ECp      |
| 225     | 220 07:50:39            | 31    |     |               | CC10CRP | TCM THRUSTER HEATERS OFF  | PWR       |         | 50091:50:727F | 98-219/22:02:07 | 1ECp      |
| 226     | 220 07:50:40            | 31    |     |               | CC7PC   | (312) DUMMY PWR CMD   | AACS      |         | 50091:50:729F | 98-219/22:02:07 | 1ECa      |
| 227     | 220 07:56:39            | 31    |     |               | CC7CT   | (07) CST FLYBACK AND SWEEP  | AACS      |         | 50091:58:319F | 98-219/22:08:07 | 1ECa      |
| 228     | 220 07:57:44            | 31    |     |               |         | GYROS OFF   |           |         | 50091:59:601F | 98-219/22:09:11 | 1T        |
| 229     | 220 07:57:44            | 31    |     |               | CC7PC   | (307) STAR ACQUIRED   | AACS      |         | 50091:59:602F | 98-219/22:09:12 | 1ECa      |
| 230     | 220 07:57:44            | 31    |     |               |         | AACS STATUS<br>MODE : CRU GYRO A: ON<br>HYBIC: 2 GYRO B: ON<br>CST : ON GRYO C: OFF | AACS      |         | 50091:59:602F | 98-219/22:09:12 | 1ESa      |
| 231     | 220 07:57:44            | 31    |     |               | CC7GCRP | GYRO C OFF  | PWR       |         | 50091:59:603F | 98-219/22:09:12 | 1ECp      |
| 232     | 220 07:57:44            | 31    |     |               | CC7GCRP | GYRO C OFF  | PWR       |         | 50091:59:605F | 98-219/22:09:12 | 1ECp      |
| 233     | 220 07:57:44            | 31    |     |               | CC7PC   | (372) GYRO C OFF  | AACS      |         | 50091:59:607F | 98-219/22:09:12 | 1ECa      |
| 234     | 220 07:57:44            | 31    |     |               |         | AACS STATUS<br>MODE : CRU GYRO A: ON<br>HYBIC: 2 GYRO B: ON<br>CST : ON GRYO C: OFF | AACS      |         | 50091:59:607F | 98-219/22:09:12 | 1ESa      |
| 235     | 220 07:57:44            | 31    |     |               | CC7GBRP | GYRO B OFF  | PWR       |         | 50091:59:608F | 98-219/22:09:12 | 1ECp      |
| 236     | 220 07:57:44            | 31    |     |               | CC7GBRP | GYRO B OFF  | PWR       |         | 50091:59:610F | 98-219/22:09:12 | 1ECp      |
| 237     | 220 07:57:45            | 31    |     |               | CC7PC   | (362) GYRO B OFF  | AACS      |         | 50091:59:612F | 98-219/22:09:12 | 1ECa      |







INTEGRATED SEQUENCE FOR JST A028F JSX B100F WEEK 32 DOY 98-215/00:00 - 98-222/00:00

| 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     | 220 18:49:13            | 31    |        |               |         | B- UVSLEW                       |           |         | 50105:34:001F | 98-220/09:00:35 | 1TB       |
| 270     | 220 18:49:13            | 31    |        |               |         | SLEW TO HELIO-20B               |           |         | 50105:34:001F | 98-220/09:00:35 | 1T        |
| 271     | 220 18:49:13            | 31    |        |               |         | B- PLATPOB                      |           |         | 50105:34:001F | 98-220/09:00:35 | 1TB       |
| 272     | 220 18:49:13            | 31    |        |               | AC7SPK  | (2 12 1 099 212) AZ SLEW R=LOW  | AACS      |         | 50105:34:003F | 98-220/09:00:36 | 1ECa      |
| 273     | 220 18:49:13            | 31    |        |               | AC7SPK  | (1 12 2 173 176) EL SLEW R=LOW  | AACS      |         | 50105:34:005F | 98-220/09:00:36 | 1ECa      |
| 274     | 220 19:05:30            | 31    |        |               |         | B- SLEND                        |           |         | 50105:54:268F | 98-220/09:16:51 | 1TB       |
| 275     | 220 19:05:30            | 31    |        |               | SLEWEND | AZ=125.028 EL=25.026 CO=21.051  |           |         | 50105:54:268F | 98-220/09:16:51 | 1T        |
| 276     | 220 19:59:13            | 32    | 40 SET |               |         | 10 DEGREE SET DSC-40            |           |         |               |                 | 2V        |
| 277     | 220 20:20:00            | 32    | 45 LOS | OPCH ACE      |         | LOS DSS-45 PASS-7679            |           |         |               |                 | 2DP       |
| 278     | 220 21:44:59            | 31    | 10RISE |               |         | 10 DEGREE RISE DSC-10           |           |         |               |                 | 1V        |
| 279     | 221 00:00:00            | 31    |        |               |         | VGR-31 OWLT IS 09H 48M 40S      |           |         |               |                 | 1L        |
| 280     | 221 00:00:00            | 32    |        |               |         | VGR-32 OWLT IS 07H 35M 01S      |           |         |               |                 | 2L        |
| 281     | 221 01:10:00            | 31    | 14 AOS | OPCH ACE      |         | AOS DSS-14 PASS-7664 (D/L ONLY) |           |         |               |                 | 1DP       |
| 282     | 221 01:20:00            | 31    | 60 SET |               |         | 10 DEGREE SET DSC-60            |           |         |               |                 | 1V        |
| 283     | 221 01:25:00            | 31    | 65 LOS | OPCH ACE      |         | LOS DSS-65 PASS-7663            |           |         |               |                 | 1DP       |
| 284     | 221 04:25:00            | 32    | 45 AOS | OPCH ACE      |         | AOS DSS-45 PASS-7680 (D/L ONLY) |           |         |               |                 | 2DP       |
| 285     | 221 04:39:17            | 32    | 40RISE |               |         | 10 DEGREE RISE DSC-40           |           |         |               |                 | 2V        |
| 286     | 221 05:13:27            | 31    | 40RISE |               |         | 10 DEGREE RISE DSC-40           |           |         |               |                 | 1V        |
| 287     | 221 06:49:19            | 31    |        |               |         | B- UVSLEW                       |           |         | 50120:34:001F | 98-220/21:00:35 | 1TB       |
| 288     | 221 06:49:19            | 31    |        |               |         | SLEW TO HELIO-19B               |           |         | 50120:34:001F | 98-220/21:00:35 | 1T        |
| 289     | 221 06:49:19            | 31    |        |               |         | B- PLATPOB                      |           |         | 50120:34:001F | 98-220/21:00:35 | 1TB       |
| 290     | 221 06:49:19            | 31    |        |               | AC7SPK  | (1 12 1 157 028) EL SLEW R=LOW  | AACS      |         | 50120:34:003F | 98-220/21:00:36 | 1ECa      |
| 291     | 221 06:49:19            | 31    |        |               | AC7SPL  | (2 12 1 255 211) AZ SLEW R=LOW  | AACS      |         | 50120:34:005F | 98-220/21:00:36 | 1ECa      |

SOE YEAR-DAY: 1998-221

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INTEGRATED SEQUENCE FOR JST A028F JSX B100F WEEK 32 DOY 98-215/00:00 - 98-222/00:00

| 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     | 221 06:54:14            | 31    |        |               |         | B- SLEND                         |           |         | 50120:40:118F | 98-220/21:05:30 | 1TB       |
| 293     | 221 06:54:14            | 31    |        |               | SLEWEND | AZ=124.999 EL=47.988 CO=43.735   |           |         | 50120:40:118F | 98-220/21:05:30 | 1T        |
| 294     | 221 09:12:55            | 31    | 10 SET |               |         | 10 DEGREE SET DSC-10             |           |         |               |                 | 1V        |
| 295     | 221 09:25:00            | 31    | 14 LOS | OPCH ACE      |         | LOS DSS-14 PASS-7664             |           |         |               |                 | 1DP       |
| 296     | 221 12:00:00            | 31    |        |               |         | VGR-31 OWLT IS 09H 48M 46S       |           |         |               |                 | 1L        |
| 297     | 221 12:00:00            | 32    |        |               |         | VGR-32 OWLT IS 07H 35M 06S       |           |         |               |                 | 2L        |
| 298     | 221 14:08:15            | 31    | 60RISE |               |         | 10 DEGREE RISE DSC-60            |           |         |               |                 | 1V        |
| 299     | 221 14:15:26            | 31    | 40 SET |               |         | 10 DEGREE SET DSC-40             |           |         |               |                 | 1V        |
| 300     | 221 17:15:00            | 31    | 65 AOS | OPCH ACE      |         | AOS DSS-65 PASS-7664 (D/L ONLY)  |           |         |               |                 | 1DP       |
| 301     | 221 18:49:25            | 31    |        |               |         | B- UVSLEW                        |           |         | 50135:34:001F | 98-221/09:00:35 | 1TB       |
| 302     | 221 18:49:25            | 31    |        |               |         | SLEW TO HELIO-18B                |           |         | 50135:34:001F | 98-221/09:00:35 | 1T        |
| 303     | 221 18:49:25            | 31    |        |               |         | B- PLATPOA                       |           |         | 50135:34:001F | 98-221/09:00:35 | 1TB       |
| 304     | 221 18:49:25            | 31    |        |               | AC7SPK  | (1 12 2 141 140) EL SLEW R=LOW   | AACS      |         | 50135:34:003F | 98-221/09:00:36 | 1ECa      |
| 305     | 221 18:54:10            | 31    |        |               |         | B- SLEND                         |           |         | 50135:39:751F | 98-221/09:05:20 | 1TB       |
| 306     | 221 18:54:10            | 31    |        |               | SLEWEND | AZ=124.999 EL=70.985 CO=66.610   |           |         | 50135:39:751F | 98-221/09:05:20 | 1T        |
| 307     | 221 19:55:13            | 32    | 40 SET |               |         | 10 DEGREE SET DSC-40             |           |         |               |                 | 2V        |
| 308     | 221 19:55:49            | 31    |        |               | AC7SSB  | (3 +014) SS BIAS CONTROL - PITCH | AACS      |         | 50136:57:003F | 98-221/10:07:00 | 1ECa      |
| 309     | 221 20:05:00            | 32    | 45 LOS | OPCH ACE      |         | LOS DSS-45 PASS-7680             |           |         |               |                 | 2DP       |
| 310     | 221 21:41:03            | 31    | 10RISE |               |         | 10 DEGREE RISE DSC-10            |           |         |               |                 | 1V        |
| 311     | 222 00:00:00            | 31    |        |               |         | VGR-31 OWLT IS 09H 48M 51S       |           |         |               |                 | 1L        |
| 312     | 222 00:00:00            | 32    |        |               |         | VGR-32 OWLT IS 07H 35M 10S       |           |         |               |                 | 2L        |