

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 | 358 00:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 03S | | | | | 1L |
| 2 | 358 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 02S | | | | | 2L |
| 3 | 358 00:23:42 | 31 | 10 | SET | | 10 DEGREE SET DSC-10 | | | | | 1V |
| 4 | 358 00:30:00 | 31 | 43 | AO | OPCH ACE | AOS DSS-43 PASS-8900 (D/L ONLY) | | | | | 1DP |
| 5 | 358 02:39:40 | 31 | | | | B- UVSLEW | | | 21567:04:001F | 01-357/15:00:35 | 1TB |
| 6 | 358 02:39:40 | 31 | | | | SLEW TO HELIO-20B | | | 21567:04:001F | 01-357/15:00:35 | 1T |
| 7 | 358 02:39:40 | 31 | | | | B- PLATPOA | | | 21567:04:001F | 01-357/15:00:35 | 1TB |
| 8 | 358 02:39:40 | 31 | | | AC7SPK | (1 12 2 173 176) EL SLEW R=LOW | AACS | | 21567:04:003F | 01-357/15:00:36 | 1ECa |
| 9 | 358 02:44:25 | 31 | | | | B- SLEND | | | 21567:09:751F | 01-357/15:05:20 | 1TB |
| 10 | 358 02:44:25 | 31 | | | SLEWEND | AZ=125.000 EL=25.026 CO=21.975 | | | 21567:09:751F | 01-357/15:05:20 | 1T |
| 11 | 358 03:20:00 | 31 | 43 | LO | OPCH ACE | LOS DSS-43 PASS-8900 | | | | | 1DP |
| 12 | 358 05:21:20 | 31 | 60 | RISE | | 10 DEGREE RISE DSC-60 | | | | | 1V |
| 13 | 358 05:30:40 | 31 | 40 | SET | | 10 DEGREE SET DSC-40 | | | | | 1V |
| 14 | 358 07:45:00 | 32 | 45 | LO | OPCH ACE | LOS DSS-45 PASS-8916 | | | | | 2DP |
| 15 | 358 08:05:00 | 31 | 65 | AO | OPCH ACE | AOS DSS-65 PASS-8900 (D/L ONLY) | | | | | 1DP |
| 16 | 358 11:27:03 | 32 | 40 | SET | | 10 DEGREE SET DSC-40 | | | | | 2V |
| 17 | 358 12:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 05S | | | | | 1L |
| 18 | 358 12:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 05S | | | | | 2L |
| 19 | 358 12:53:51 | 31 | 10 | RISE | | 10 DEGREE RISE DSC-10 | | | | | 1V |
| 20 | 358 14:00:00 | 31 | 25 | AO | OPCH ACE | AOS DSS-25 PASS-8901 (D/L ONLY) | | | | | 1DP |
| 21 | 358 14:40:00 | 31 | 65 | LO | OPCH ACE | LOS DSS-65 PASS-8900 | | | | | 1DP |
| 22 | 358 16:53:33 | 31 | 60 | SET | | 10 DEGREE SET DSC-60 | | | | | 1V |
| 23 | 358 19:32:04 | 32 | 40 | RISE | | 10 DEGREE RISE DSC-40 | | | | | 2V |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|---------------------------------|-----------|---------|---------------|-----------------|-----------|
| 24 | 358 20:17:51 | 31 | 40RISE | | | 10 DEGREE RISE DSC-40 | | | | | 1V |
| 25 | 358 23:05:00 | 31 | 25 LO | OPCH ACE | | LOS DSS-25 PASS-8901 | | | | | 1DP |
| 26 | 359 00:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 06S | | | | | 1L |
| 27 | 359 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 08S | | | | | 2L |
| 28 | 359 00:19:49 | 31 | 10 SET | | | 10 DEGREE SET DSC-10 | | | | | 1V |
| 29 | 359 04:10:00 | 32 | 45 AO | OPCH ACE | | AOS DSS-45 PASS-8917 (D/L ONLY) | | | | | 2DP |
| 30 | 359 05:17:27 | 31 | 60RISE | | | 10 DEGREE RISE DSC-60 | | | | | 1V |
| 31 | 359 05:26:46 | 31 | 40 SET | | | 10 DEGREE SET DSC-40 | | | | | 1V |
| 32 | 359 08:10:00 | 32 | 45 LO | OPCH ACE | | LOS DSS-45 PASS-8917 | | | | | 2DP |
| 33 | 359 11:23:12 | 32 | 40 SET | | | 10 DEGREE SET DSC-40 | | | | | 2V |
| 34 | 359 12:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 07S | | | | | 1L |
| 35 | 359 12:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 11S | | | | | 2L |
| 36 | 359 12:49:57 | 31 | 10RISE | | | 10 DEGREE RISE DSC-10 | | | | | 1V |
| 37 | 359 14:04:43 | 31 | | | | B- RFSTLC | | | 21611:20:201F | 01-359/02:25:35 | 1TB |
| 38 | 359 16:49:40 | 31 | 60 SET | | | 10 DEGREE SET DSC-60 | | | | | 1V |
| 39 | 359 19:28:14 | 32 | 40RISE | | | 10 DEGREE RISE DSC-40 | | | | | 2V |
| 40 | 359 20:13:58 | 31 | 40RISE | | | 10 DEGREE RISE DSC-40 | | | | | 1V |
| 41 | 359 20:55:00 | 31 | 45 AO | OPCH ACE | | AOS DSS-45 PASS-8902 (D/L ONLY) | | | | | 1DP |
| 42 | 359 21:39:44 | 31 | | | | B- UVSLEW | | | 21620:49:001F | 01-359/10:00:35 | 1TB |
| 43 | 359 21:39:44 | 31 | | | | SLEW TO HELIO-1C | | | 21620:49:001F | 01-359/10:00:35 | 1T |
| 44 | 359 21:39:44 | 31 | | | | B- PLATPOB | | | 21620:49:001F | 01-359/10:00:35 | 1TB |
| 45 | 359 21:39:44 | 31 | | | AC7SPK | (1 12 2 135 086) EL SLEW R=LOW | AACS | | 21620:49:003F | 01-359/10:00:36 | 1ECa |
| 46 | 359 21:39:44 | 31 | | | AC7SPK | (2 12 2 042 138) AZ SLEW R=LOW | AACS | | 21620:49:005F | 01-359/10:00:36 | 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 |
|---------|-------------------------|-------|-----|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 47 | 359 22:07:19 | 31 | | | | B- SLEND | | | 21621:23:384F | 01-359/10:28:10 | 1TB |
| 48 | 359 22:07:19 | 31 | | | SLEWEND | AZ=44.289 EL=79.996 CO=84.944 | | | 21621:23:384F | 01-359/10:28:10 | 1T |
| 49 | 359 22:51:01 | 32 | | ACE | OPCH | >>>>>>> 5 MIN WARNING <<<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 2ESf |
| 50 | 359 22:51:01 | 32 | | ACE | OPCH | >>>>>>> 5 MIN WARNING <<<<<<<<<< FOR CHG IN X-BD D/L CONFIG MOD INDEX=41 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | | | | | 22EC |
| 51 | 359 22:51:49 | 32 | | ACE | OPCH | >>>>>>> 5 MIN WARNING <<<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 2ESf |
| 52 | 359 22:51:49 | 32 | | ACE | OPCH | >>>>>>> 5 MIN WARNING <<<<<<<<<< FOR CHG IN X-BD D/L CONFIG MOD INDEX=32 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | | | | | 22EC |
| 53 | 359 22:55:13 | 32 | | | | BEGIN PWSREC | | | 15480:27:001F | 01-359/13:39:59 | 2T |
| 54 | 359 22:55:13 | 32 | | | | B- DRGS4B | | | 15480:27:001F | 01-359/13:39:59 | 2TB |
| 55 | 359 22:55:13 | 32 | | | SC06BB | (03 0 07 0) FDS MODE TO: GS-4B PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY | FDS | | 15480:27:009F | 01-359/13:40:00 | 2ECf |
| 56 | 359 22:55:57 | 32 | | | | BEGIN RECORDING PWS DATA | | | 15480:27:734F | 01-359/13:40:43 | 2T |
| 57 | 359 22:55:57 | 32 | | | CC16C | (3000) DTR STATE SELECT:115.2REC | DTR | | 15480:27:735F | 01-359/13:40:43 | 2ECd |
| 58 | 359 22:55:57 | 32 | | | | DTR STATUS MODE:REC RATE:115.2K DIR:R TRK:2 TIC:2050 | DTR | | 15480:27:735F | 01-359/13:40:43 | 2ESd |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| ITEM NO | TRM-OR-ERT DOY-HH:MM:SS | SC ID | DSN | ACTION BY>>TO | COMMAND | EVENT-DESCRIPTION | S/C SBSYS | TLM FMT | FDS-COUNT | SCE-TIME | SORT CODE |
|---------|-------------------------|-------|-----|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 59 | 359 22:56:01 | 32 | | ACE OPCH | | FDS STATUS GS-4B/X2.8K/S40 MEM:PB/FDS11 SA/FDS11 -----> GS-4B NOT RECOVERABLE ----> RETAIN CR-5T CONFIGURATION | FDS | GS-4B | 15480:28:001F | 01-359/13:40:47 | 2ESf |
| 60 | 359 22:56:01 | 32 | | | CC3A | (41310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=41 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | MDS | | 15480:28:002F | 01-359/13:40:47 | 2ECs |
| 61 | 359 22:56:02 | 32 | | | | B- DRCRUS | | | 15480:28:018F | 01-359/13:40:48 | 2TB |
| 62 | 359 22:56:02 | 32 | | | SC06BB | (53 0 07 0) FDS MODE TO: PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY | FDS | | 15480:28:025F | 01-359/13:40:49 | 2ECf |
| 63 | 359 22:56:49 | 32 | | ACE OPCH | | FDS STATUS CR-5T/X160/S10 MEM:PB/FDS11 SA/FDS11 | FDS | CR-5T | 15480:29:001F | 01-359/13:41:35 | 2ESf |
| 64 | 359 22:56:49 | 32 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 15480:29:001F | 01-359/13:41:35 | 2ECd |
| 65 | 359 22:56:49 | 32 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:R TRK:2 TIC:1759 | DTR | | 15480:29:001F | 01-359/13:41:35 | 2ESd |
| 66 | 359 22:56:49 | 32 | | | CC3A | (32310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=32 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | MDS | | 15480:29:002F | 01-359/13:41:35 | 2ECs |
| 67 | 359 22:56:50 | 32 | | | | END PWSREC | | | 15480:29:018F | 01-359/13:41:36 | 2T |
| 68 | 359 23:52:20 | 31 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 1ESf |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 |
|---------|----------------------------|-------|-----|------------------|---------|---|--------------|------------|---------------|-----------------|--------------|
| 69 | 359 23:52:20 | 31 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<<<< FOR CHG IN X-BD D/L CONFIG MOD INDEX=41 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | | | | | 11EC |
| 70 | 359 23:53:08 | 31 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 1ESF |
| 71 | 359 23:53:08 | 31 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<<<< FOR CHG IN X-BD D/L CONFIG MOD INDEX=32 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | | | | | 11EC |
| 72 | 359 23:55:44 | 31 | | | | BEGIN PWSREC.31 | | | 21623:39:001F | 01-359/12:16:35 | 1T |
| 73 | 359 23:55:44 | 31 | | | SC32AJ | (10) PLS CONFIG CMD | FDS | | 21623:39:009F | 01-359/12:16:36 | 1ECF |
| 74 | 359 23:56:32 | 31 | | | | B- DRGS4B | | | 21623:40:001F | 01-359/12:17:23 | 1TB |
| 75 | 359 23:56:32 | 31 | | | SC06BB | (03 0 07 0) FDS MODE TO: GS-4B PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY | FDS | | 21623:40:009F | 01-359/12:17:24 | 1ECF |
| 76 | 359 23:57:16 | 31 | | | | BEGIN RECORDING PWS DATA | | | 21623:40:734F | 01-359/12:18:07 | 1T |
| 77 | 359 23:57:16 | 31 | | | CC16C | (3000) DTR STATE SELECT:115.2REC | DTR | | 21623:40:735F | 01-359/12:18:08 | 1ECd |
| 78 | 359 23:57:16 | 31 | | | | DTR STATUS MODE:REC RATE:115.2K DIR:F TRK:1 TIC:2943 | DTR | | 21623:40:735F | 01-359/12:18:08 | 1ESd |
| 79 | 359 23:57:20 | 31 | | ACE OPCH | | FDS STATUS GS-4B/X2.8K/S40 MEM:PA/FDS11 -----> GS-4B NOT RECOVERABLE ----> RETAIN CR-5T CONFIGURATION | FDS | GS-4B | 21623:41:001F | 01-359/12:18:11 | 1ESF |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|----------|---|-----------|---------|---------------|-----------------|-----------|
| 80 | 359 23:57:20 | 31 | | | CC3A | (41310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=41 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | MDS | | 21623:41:002F | 01-359/12:18:11 | 1ECs |
| 81 | 359 23:57:21 | 31 | | | | B- DRCRUS | | | 21623:41:018F | 01-359/12:18:12 | 1TB |
| 82 | 359 23:57:21 | 31 | | | SC06BB | (53 0 07 0) FDS MODE TO: PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY | FDS | | 21623:41:026F | 01-359/12:18:13 | 1ECF |
| 83 | 359 23:58:08 | 31 | | ACE | OPCH | FDS STATUS CR-5T/X160/S10 MEM:PA/FDS11 | FDS | CR-5T | 21623:42:001F | 01-359/12:18:59 | 1ESF |
| 84 | 359 23:58:08 | 31 | | | CC3A | (32310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=32 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | MDS | | 21623:42:002F | 01-359/12:18:59 | 1ECs |
| 85 | 359 23:58:08 | 31 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 21623:42:002F | 01-359/12:19:00 | 1ECd |
| 86 | 359 23:58:08 | 31 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:F TRK:1 TIC:3235 | DTR | | 21623:42:002F | 01-359/12:19:00 | 1ESd |
| 87 | 359 23:58:56 | 31 | | | SC32AJ | (11) PLS CONFIG CMD | FDS | | 21623:43:009F | 01-359/12:19:48 | 1ECf |
| 88 | 359 23:58:57 | 31 | | | | END PWSREC.31 | | | 21623:43:018F | 01-359/12:19:48 | 1T |
| 89 | 360 00:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 08S | | | | | 1L |
| 90 | 360 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 14S | | | | | 2L |
| 91 | 360 00:15:57 | 31 | 10 | SET | | 10 DEGREE SET DSC-10 | | | | | 1V |
| 92 | 360 01:20:00 | 31 | 45 | LO | OPCH ACE | LOS DSS-45 PASS-8902 | | | | | 1DP |
| 93 | 360 02:58:08 | 31 | | | AC7SSB | (3 +005) SS BIAS CONTROL - PITCH | AACS | | 21627:27:003F | 01-359/15:19:00 | 1ECa |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

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|---------|-------------------------|-------|--------|---------------|---------|--|-----------|---------|---------------|-----------------|-----------|
| 94 | 360 03:55:00 | 32 | 45 AO | OPCH ACE | | AOS DSS-45 PASS-8918 (D/L ONLY) | | | | | 2DP |
| 95 | 360 05:13:34 | 31 | 60RISE | | | 10 DEGREE RISE DSC-60 | | | | | 1V |
| 96 | 360 05:22:53 | 31 | 40 SET | | | 10 DEGREE SET DSC-40 | | | | | 1V |
| 97 | 360 08:40:00 | 32 | 45 LO | OPCH ACE | | LOS DSS-45 PASS-8918 | | | | | 2DP |
| 98 | 360 09:39:45 | 31 | | | | B- UVSLEW | | | 21635:49:001F | 01-359/22:00:35 | 1TB |
| 99 | 360 09:39:45 | 31 | | | | SLEW TO HELIO-2C | | | 21635:49:001F | 01-359/22:00:35 | 1T |
| 100 | 360 09:39:45 | 31 | | | | B- PLATPOA | | | 21635:49:001F | 01-359/22:00:35 | 1TB |
| 101 | 360 09:39:45 | 31 | | | AC7SPK | (1 12 1 128 136) EL SLEW R=LOW | AACS | | 21635:49:003F | 01-359/22:00:36 | 1ECa |
| 102 | 360 09:41:50 | 31 | | | | B- SLEND | | | 21635:51:484F | 01-359/22:02:40 | 1TB |
| 103 | 360 09:41:50 | 31 | | | SLEWEND | AZ=44.289 EL=89.815 CO=94.749 | | | 21635:51:484F | 01-359/22:02:40 | 1T |
| 104 | 360 11:19:21 | 32 | 40 SET | | | 10 DEGREE SET DSC-40 | | | | | 2V |
| 105 | 360 12:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 09S | | | | | 1L |
| 106 | 360 12:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 17S | | | | | 2L |
| 107 | 360 12:46:04 | 31 | 10RISE | | | 10 DEGREE RISE DSC-10 | | | | | 1V |
| 108 | 360 13:50:00 | 31 | 25 AO | OPCH ACE | | AOS DSS-25 PASS-8903 (D/L ONLY) | | | | | 1DP |
| 109 | 360 16:45:48 | 31 | 60 SET | | | 10 DEGREE SET DSC-60 | | | | | 1V |
| 110 | 360 19:24:25 | 32 | 40RISE | | | 10 DEGREE RISE DSC-40 | | | | | 2V |
| 111 | 360 20:00:00 | 32 | 43 AO | OPCH ACE | | AOS DSS-43 PASS-8919 (U/L PASS) XMTR ON PER TELECOM MESSAGE | | | | | 2DP |
| 112 | 360 20:10:05 | 31 | 40RISE | | | 10 DEGREE RISE DSC-40 | | | | | 1V |
| 113 | 360 21:09:43 | 32 | | | AC7SSB | (4 +178) SS BIAS CONTROL --- YAW | AACS | | 15508:15:003F | 01-360/11:54:23 | 2ECa |
| 114 | 360 21:39:46 | 31 | | | | B- UVSLEW | | | 21650:49:001F | 01-360/10:00:35 | 1TB |
| 115 | 360 21:39:46 | 31 | | | | SLEW TO HELIO-3C | | | 21650:49:001F | 01-360/10:00:35 | 1T |
| 116 | 360 21:39:46 | 31 | | | | B- PLATPOA | | | 21650:49:001F | 01-360/10:00:35 | 1TB |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|----------|----------------------------------|-----------|---------|---------------|-----------------|-----------|
| 117 | 360 21:39:46 | 31 | | | AC7SPK | (1 12 2 120 138) EL SLEW R=LOW | AACS | | 21650:49:003F | 01-360/10:00:36 | 1ECa |
| 118 | 360 21:42:08 | 31 | | | | B- SLEND | | | 21650:51:768F | 01-360/10:02:57 | 1TB |
| 119 | 360 21:42:08 | 31 | | | SLEWEND | AZ=44.289 EL=101.007 CO=105.897 | | | 21650:51:768F | 01-360/10:02:57 | 1T |
| 120 | 360 23:00:00 | 31 | 25 | LO | OPCH ACE | LOS DSS-25 PASS-8903 | | | | | 1DP |
| 121 | 361 00:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 10S | | | | | 1L |
| 122 | 361 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 20S | | | | | 2L |
| 123 | 361 00:12:04 | 31 | 10 | SET | | 10 DEGREE SET DSC-10 | | | | | 1V |
| 124 | 361 03:30:00 | 32 | 45 | AO | OPCH ACE | AOS DSS-45 PASS-8919 (D/L ONLY) | | | | | 2DP |
| 125 | 361 03:50:00 | 32 | 43 | LO | OPCH ACE | LOS DSS-43 PASS-8919 | | | | | 2DP |
| 126 | 361 05:09:41 | 31 | 60 | RISE | | 10 DEGREE RISE DSC-60 | | | | | 1V |
| 127 | 361 05:19:00 | 31 | 40 | SET | | 10 DEGREE SET DSC-40 | | | | | 1V |
| 128 | 361 06:20:00 | 31 | 65 | AO | OPCH ACE | AOS DSS-65 PASS-8903 (D/L ONLY) | | | | | 1DP |
| 129 | 361 09:39:47 | 31 | | | | B- UVSLEW | | | 21665:49:001F | 01-360/22:00:35 | 1TB |
| 130 | 361 09:39:47 | 31 | | | | SLEW TO HELIO-4C | | | 21665:49:001F | 01-360/22:00:35 | 1T |
| 131 | 361 09:39:47 | 31 | | | | B- PLATPOA | | | 21665:49:001F | 01-360/22:00:35 | 1TB |
| 132 | 361 09:39:47 | 31 | | | AC7SPK | (1 12 2 114 085) EL SLEW R=LOW | AACS | | 21665:49:003F | 01-360/22:00:36 | 1ECa |
| 133 | 361 09:41:42 | 31 | | | | B- SLEND | | | 21665:51:318F | 01-360/22:02:30 | 1TB |
| 134 | 361 09:41:42 | 31 | | | SLEWEND | AZ=44.289 EL=110.004 CO=114.864 | | | 21665:51:318F | 01-360/22:02:30 | 1T |
| 135 | 361 10:55:00 | 32 | 45 | LO | OPCH ACE | LOS DSS-45 PASS-8919 | | | | | 2DP |
| 136 | 361 11:15:30 | 32 | 40 | SET | | 10 DEGREE SET DSC-40 | | | | | 2V |
| 137 | 361 11:34:34 | 32 | | | AC7SSB | (3 +003) SS BIAS CONTROL - PITCH | AACS | | 15526:16:003F | 01-361/02:19:11 | 2ECa |
| 138 | 361 12:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 11S | | | | | 1L |
| 139 | 361 12:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 22S | | | | | 2L |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|----------------------------------|-----------|---------|---------------|-----------------|-----------|
| 140 | 361 12:42:11 | 31 | 10RISE | | | 10 DEGREE RISE DSC-10 | | | | | 1V |
| 141 | 361 13:40:00 | 31 | 65 LO | OPCH ACE | | LOS DSS-65 PASS-8903 | | | | | 1DP |
| 142 | 361 13:45:00 | 31 | 25 AO | OPCH ACE | | AOS DSS-25 PASS-8904 (D/L ONLY) | | | | | 1DP |
| 143 | 361 16:41:55 | 31 | 60 SET | | | 10 DEGREE SET DSC-60 | | | | | 1V |
| 144 | 361 19:15:00 | 32 | 45 AO | OPCH ACE | | AOS DSS-45 PASS-8920 (D/L ONLY) | | | | | 2DP |
| 145 | 361 19:20:35 | 32 | 40RISE | | | 10 DEGREE RISE DSC-40 | | | | | 2V |
| 146 | 361 19:35:00 | 31 | 25 LO | OPCH ACE | | LOS DSS-25 PASS-8904 | | | | | 1DP |
| 147 | 361 20:06:12 | 31 | 40RISE | | | 10 DEGREE RISE DSC-40 | | | | | 1V |
| 148 | 361 21:39:48 | 31 | | | | B- UVSLEW | | | 21680:49:001F | 01-361/10:00:35 | 1TB |
| 149 | 361 21:39:48 | 31 | | | | SLEW TO HELIO-5C | | | 21680:49:001F | 01-361/10:00:35 | 1T |
| 150 | 361 21:39:48 | 31 | | | | B- PLATPOA | | | 21680:49:001F | 01-361/10:00:35 | 1TB |
| 151 | 361 21:39:48 | 31 | | | AC7SPK | (1 12 1 105 040) EL SLEW R=LOW | AACS | | 21680:49:003F | 01-361/10:00:36 | 1ECa |
| 152 | 361 21:42:26 | 31 | | | | B- SLEND | | | 21680:52:234F | 01-361/10:03:13 | 1TB |
| 153 | 361 21:42:26 | 31 | | | SLEWEND | AZ=44.289 EL=122.506 CO=127.325 | | | 21680:52:234F | 01-361/10:03:13 | 1T |
| 154 | 362 00:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 12S | | | | | 1L |
| 155 | 362 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 25S | | | | | 2L |
| 156 | 362 00:08:11 | 31 | 10 SET | | | 10 DEGREE SET DSC-10 | | | | | 1V |
| 157 | 362 05:05:47 | 31 | 60RISE | | | 10 DEGREE RISE DSC-60 | | | | | 1V |
| 158 | 362 05:15:07 | 31 | 40 SET | | | 10 DEGREE SET DSC-40 | | | | | 1V |
| 159 | 362 06:39:01 | 31 | | | AC7SSB | (4 +164) SS BIAS CONTROL --- YAW | AACS | | 21692:03:003F | 01-361/18:59:48 | 1ECa |
| 160 | 362 09:39:49 | 31 | | | | B- UVSLEW | | | 21695:49:001F | 01-361/22:00:35 | 1TB |
| 161 | 362 09:39:49 | 31 | | | | SLEW TO HELIO-6C | | | 21695:49:001F | 01-361/22:00:35 | 1T |
| 162 | 362 09:39:49 | 31 | | | | B- PLATPOA | | | 21695:49:001F | 01-361/22:00:35 | 1TB |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 163 | 362 09:39:49 | 31 | | | AC7SPK | (1 12 2 100 171) EL SLEW R=LOW | AACS | | 21695:49:003F | 01-361/22:00:36 | 1ECa |
| 164 | 362 09:41:26 | 31 | | | | B- SLEND | | | 21695:51:018F | 01-361/22:02:12 | 1TB |
| 165 | 362 09:41:26 | 31 | | | SLEWEND | AZ=44.289 EL=129.990 CO=134.805 | | | 21695:51:018F | 01-361/22:02:12 | 1T |
| 166 | 362 11:10:00 | 32 | 45 LO | OPCH ACE | | LOS DSS-45 PASS-8920 | | | | | 2DP |
| 167 | 362 11:11:39 | 32 | 40 SET | | | 10 DEGREE SET DSC-40 | | | | | 2V |
| 168 | 362 12:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 13S | | | | | 1L |
| 169 | 362 12:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 28S | | | | | 2L |
| 170 | 362 12:20:00 | 31 | 14 AO | OPCH ACE | | AOS DSS-14 PASS-8905 (U/L PASS) PERFORM RFSTLC PER TELECOM MESSAGE | | | | | 1DP |
| 171 | 362 12:38:18 | 31 | 10RISE | | | 10 DEGREE RISE DSC-10 | | | | | 1V |
| 172 | 362 12:50:00 | 31 | 14 | OPCH 14 | | == START TLC TEST UP-LINK == == EXECUTE PER DSN SUPPLIED == == TUNING INSTRUCTIONS == | | | | | 1TD |
| 173 | 362 12:50:00 | 31 | 14 | OPCH 14 | | == TLC TEST UP-LINK == TURN RANGING MOD OFF (IF APPL) | | | | | 1TD |
| 174 | 362 12:51:00 | 31 | 14 | OPCH 14 | | == TLC TEST UP-LINK == TURN COMMAND MOD OFF (IF APPL) NO COMMANDING FOR 1 HR 56 MIN | | | | | 1TD |
| 175 | 362 12:52:00 | 31 | 14 | OPCH 14 | | == TLC TEST UP-LINK == == TUNE U/L AT 48 HZ/SEC == == TO XA-65 KHZ (S-BAND) == | | | | | 1TD |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|--|-----------|---------|---------------|-----------------|-----------|
| 176 | 362 13:17:00 | 31 | 14 | OPCH 14 | | == END TLC TEST UP-LINK == == TURN TRANSMITTER OFF == TUNE TO TSF @ 48 HZ/SEC (S-BAND) | | | | | 1TD |
| 177 | 362 13:30:00 | 31 | 14 LO | OPCH ACE | | LOS DSS-14 PASS-8905 | | | | | 1DP |
| 178 | 362 14:15:00 | 31 | 15 AO | OPCH ACE | | AOS DSS-15 PASS-8905 (D/L ONLY) | | | | | 1DP |
| 179 | 362 16:38:02 | 31 | 60 | SET | | 10 DEGREE SET DSC-60 | | | | | 1V |
| 180 | 362 18:15:00 | 31 | 15 LO | OPCH ACE | | LOS DSS-15 PASS-8905 | | | | | 1DP |
| 181 | 362 19:10:00 | 32 | 45 AO | OPCH ACE | | AOS DSS-45 PASS-8921 (D/L ONLY) | | | | | 2DP |
| 182 | 362 19:16:45 | 32 | 40RISE | | | 10 DEGREE RISE DSC-40 | | | | | 2V |
| 183 | 362 20:02:20 | 31 | 40RISE | | | 10 DEGREE RISE DSC-40 | | | | | 1V |
| 184 | 362 21:39:50 | 31 | | | | B- UVSLEW | | | 21710:49:001F | 01-362/10:00:35 | 1TB |
| 185 | 362 21:39:50 | 31 | | | | SLEW TO HELIO-7C | | | 21710:49:001F | 01-362/10:00:35 | 1T |
| 186 | 362 21:39:50 | 31 | | | | B- PLATPOA | | | 21710:49:001F | 01-362/10:00:35 | 1TB |
| 187 | 362 21:39:50 | 31 | | | AC7SPK | (1 12 2 094 118) EL SLEW R=LOW | AACS | | 21710:49:003F | 01-362/10:00:36 | 1ECa |
| 188 | 362 21:41:45 | 31 | | | | B- SLEND | | | 21710:51:318F | 01-362/10:02:30 | 1TB |
| 189 | 362 21:41:45 | 31 | | | SLEWEND | AZ=44.289 EL=138.992 CO=143.745 | | | 21710:51:318F | 01-362/10:02:30 | 1T |
| 190 | 363 00:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 14S | | | | | 1L |
| 191 | 363 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 31S | | | | | 2L |
| 192 | 363 00:04:19 | 31 | 10 | SET | | 10 DEGREE SET DSC-10 | | | | | 1V |
| 193 | 363 02:55:02 | 31 | | | CC16C | (2221) DTR STATE SELECT: SLEW | DTR | | 21717:23:002F | 01-362/15:15:48 | 1ECd |
| 194 | 363 02:55:02 | 31 | | | | | DTR | | 21717:23:002F | 01-362/15:15:48 | 1ESd |
| | | | | | | DTR STATUS MODE:SLEW RATE:007.2K DIR:R TRK:1 TIC:3242 | | | | | |

| 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 |
|---------|----------------------------|-------|--------|------------------|---------|---|--------------|------------|---------------|-----------------|--------------|
| 195 | 363 03:00:00 | 32 | 34 AO | OPCH ACE | | AOS DSS-34 PASS-8921 (U/L PASS) XMTR ON PER TELECOM MESSAGE | | | | | 2DP |
| 196 | 363 03:05:00 | 32 | 45 LO | OPCH ACE | | LOS DSS-45 PASS-8921 | | | | | 2DP |
| 197 | 363 04:03:48 | 31 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 21718:48:766F | 01-362/16:24:33 | 1ECd |
| 198 | 363 04:03:48 | 31 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:R TRK:1 TIC:1756 | DTR | | 21718:48:766F | 01-362/16:24:33 | 1ESd |
| 199 | 363 05:01:54 | 31 | 60RISE | | | 10 DEGREE RISE DSC-60 | | | | | 1V |
| 200 | 363 05:11:14 | 31 | 40 SET | | | 10 DEGREE SET DSC-40 | | | | | 1V |
| 201 | 363 05:52:27 | 31 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 1ESf |
| 202 | 363 05:52:27 | 31 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<< FOR CHG IN X-BD D/L CONFIG MOD INDEX=41 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | | | | | 11EC |
| 203 | 363 05:53:15 | 31 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 1ESf |
| 204 | 363 05:53:15 | 31 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<< FOR CHG IN X-BD D/L CONFIG MOD INDEX=32 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | | | | | 11EC |
| 205 | 363 05:55:03 | 31 | | | CC16C | (7026) DTR STATE SELECT: READY | DTR | | 21721:08:002F | 01-362/18:15:48 | 1ECd |
| 206 | 363 05:55:03 | 31 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:R TRK:6 TIC:1756 | DTR | | 21721:08:002F | 01-362/18:15:48 | 1ESd |
| 207 | 363 05:55:51 | 31 | | | | AHEL11 PWSREC 07 | | | 21721:09:001F | 01-362/18:16:35 | 1T |
| 208 | 363 05:55:51 | 31 | | | | B- PWSREC.31 | | | 21721:09:001F | 01-362/18:16:35 | 1TB |
| 209 | 363 05:55:51 | 31 | | | | BEGIN PWSREC.31 | | | 21721:09:001F | 01-362/18:16:35 | 1T |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 210 | 363 05:55:51 | 31 | | | SC32AJ | (10) PLS CONFIG CMD | FDS | | 21721:09:009F | 01-362/18:16:36 | 1ECf |
| 211 | 363 05:56:39 | 31 | | | | B- DRGS4B | | | 21721:10:001F | 01-362/18:17:23 | 1TB |
| 212 | 363 05:56:39 | 31 | | | SC06BB | (03 0 07 0) FDS MODE TO: GS-4B PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY | FDS | | 21721:10:009F | 01-362/18:17:24 | 1ECf |
| 213 | 363 05:57:23 | 31 | | | | BEGIN RECORDING PWS DATA | | | 21721:10:734F | 01-362/18:18:07 | 1T |
| 214 | 363 05:57:23 | 31 | | | CC16C | (3000) DTR STATE SELECT:115.2REC | DTR | | 21721:10:735F | 01-362/18:18:08 | 1ECd |
| 215 | 363 05:57:23 | 31 | | | | DTR STATUS MODE:REC RATE:115.2K DIR:R TRK:6 TIC:1756 | DTR | | 21721:10:735F | 01-362/18:18:08 | 1ESd |
| 216 | 363 05:57:27 | 31 | | ACE OPCH | | FDS STATUS GS-4B/X2.8K/S40 MEM:PA/FDS11 -----> GS-4B NOT RECOVERABLE ----> RETAIN CR-5T CONFIGURATION | FDS | GS-4B | 21721:11:001F | 01-362/18:18:11 | 1ESf |
| 217 | 363 05:57:27 | 31 | | | CC3A | (41310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=41 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | MDS | | 21721:11:002F | 01-362/18:18:11 | 1ECs |
| 218 | 363 05:57:28 | 31 | | | | B- DRCRUS | | | 21721:11:018F | 01-362/18:18:12 | 1TB |
| 219 | 363 05:57:28 | 31 | | | SC06BB | (53 0 07 0) FDS MODE TO: PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY | FDS | | 21721:11:026F | 01-362/18:18:13 | 1ECf |
| 220 | 363 05:58:15 | 31 | | ACE OPCH | | FDS STATUS CR-5T/X160/S10 MEM:PA/FDS11 | FDS | CR-5T | 21721:12:001F | 01-362/18:18:59 | 1ESf |

| 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 |
|---------|-------------------------|-------|-------|---------------|---------|--|-----------|---------|---------------|-----------------|-----------|
| 221 | 363 05:58:15 | 31 | | | CC3A | (32310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=32 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | MDS | | 21721:12:002F | 01-362/18:18:59 | 1ECs |
| 222 | 363 05:58:15 | 31 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 21721:12:002F | 01-362/18:19:00 | 1ECd |
| 223 | 363 05:58:15 | 31 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:R TRK:6 TIC:1464 | DTR | | 21721:12:002F | 01-362/18:19:00 | 1ESd |
| 224 | 363 05:59:03 | 31 | | | SC32AJ | (11) PLS CONFIG CMD | FDS | | 21721:13:009F | 01-362/18:19:48 | 1ECF |
| 225 | 363 05:59:04 | 31 | | | | END PWSREC.31 | | | 21721:13:018F | 01-362/18:19:48 | 1T |
| 226 | 363 06:55:00 | 31 | 65 AO | OPCH ACE | | AOS DSS-65 PASS-8905 (D/L ONLY) | | | | | 1DP |
| 227 | 363 07:54:45 | 32 | | | CC16C | (2211) DTR STATE SELECT: SLEW | DTR | | 15581:41:001F | 01-362/22:39:11 | 2ECd |
| 228 | 363 07:54:45 | 32 | | | | DTR STATUS MODE:SLEW RATE:007.2K DIR:F TRK:1 TIC:1752 | DTR | | 15581:41:001F | 01-362/22:39:11 | 2ESd |
| 229 | 363 08:04:39 | 31 | | | CC16C | (2211) DTR STATE SELECT: SLEW | DTR | | 21723:50:002F | 01-362/20:25:24 | 1ECd |
| 230 | 363 08:04:39 | 31 | | | | DTR STATUS MODE:SLEW RATE:007.2K DIR:F TRK:1 TIC:1457 | DTR | | 21723:50:002F | 01-362/20:25:24 | 1ESd |
| 231 | 363 08:08:58 | 32 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 15581:58:621F | 01-362/22:53:24 | 2ECd |
| 232 | 363 08:08:58 | 32 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:F TRK:1 TIC:2060 | DTR | | 15581:58:621F | 01-362/22:53:24 | 2ESd |
| 233 | 363 08:55:00 | 32 | 34 LO | OPCH ACE | | LOS DSS-34 PASS-8921 | | | | | 2DP |
| 234 | 363 09:27:15 | 31 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 21725:33:208F | 01-362/21:48:00 | 1ECd |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 235 | 363 09:27:15 | 31 | | | | | DTR | | 21725:33:208F | 01-362/21:48:00 | 1ESd |
| | | | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:F TRK:1 TIC:3242 | | | | | |
| 236 | 363 09:39:51 | 31 | | | | B- UVSLEW | | | 21725:49:001F | 01-362/22:00:35 | 1TB |
| 237 | 363 09:39:51 | 31 | | | | SLEW TO HELIO-8C | | | 21725:49:001F | 01-362/22:00:35 | 1T |
| 238 | 363 09:39:51 | 31 | | | | B- PLATPOA | | | 21725:49:001F | 01-362/22:00:35 | 1TB |
| 239 | 363 09:39:51 | 31 | | | AC7SPK | (1 12 1 086 120) EL SLEW R=LOW | AACS | | 21725:49:003F | 01-362/22:00:36 | 1ECa |
| 240 | 363 09:42:13 | 31 | | | | B- SLEND | | | 21725:51:768F | 01-362/22:02:57 | 1TB |
| 241 | 363 09:42:13 | 31 | | | SLEWEND | AZ=44.289 EL=150.191 CO=154.799 | | | 21725:51:768F | 01-362/22:02:57 | 1T |
| 242 | 363 10:51:21 | 32 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 2ESf |
| 243 | 363 10:51:21 | 32 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<< FOR CHG IN X-BD D/L CONFIG MOD INDEX=41 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | | | | | 22EC |
| 244 | 363 10:52:09 | 32 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 2ESf |
| 245 | 363 10:52:09 | 32 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<< FOR CHG IN X-BD D/L CONFIG MOD INDEX=32 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | | | | | 22EC |
| 246 | 363 10:54:45 | 32 | | | CC16C | (7028) DTR STATE SELECT: READY | DTR | | 15585:26:001F | 01-363/01:39:11 | 2ECd |
| 247 | 363 10:54:45 | 32 | | | | | DTR | | 15585:26:001F | 01-363/01:39:11 | 2ESd |
| | | | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:R TRK:8 TIC:2060 | | | | | |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 248 | 363 10:55:33 | 32 | | | SC06BB | (03 0 07 0) FDS MODE TO: GS-4B PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY | FDS | | 15585:27:009F | 01-363/01:40:00 | 2ECf |
| 249 | 363 10:55:34 | 32 | | | | BHEL11 PWSREC 26 | | | 15585:27:018F | 01-363/01:40:00 | 2T |
| 250 | 363 10:55:34 | 32 | | | | B- PWSREC | | | 15585:27:018F | 01-363/01:40:00 | 2TB |
| 251 | 363 10:55:34 | 32 | | | | BEGIN PWSREC | | | 15585:27:018F | 01-363/01:40:00 | 2T |
| 252 | 363 10:55:34 | 32 | | | | B- DRGS4B | | | 15585:27:018F | 01-363/01:40:00 | 2TB |
| 253 | 363 10:56:17 | 32 | | | CC16C | (3000) DTR STATE SELECT:115.2REC | DTR | | 15585:27:735F | 01-363/01:40:43 | 2ECd |
| 254 | 363 10:56:17 | 32 | | | | DTR STATUS MODE:REC RATE:115.2K DIR:R TRK:8 TIC:2060 | DTR | | 15585:27:735F | 01-363/01:40:43 | 2ESd |
| 255 | 363 10:56:18 | 32 | | | | BEGIN RECORDING PWS DATA | | | 15585:27:751F | 01-363/01:40:44 | 2T |
| 256 | 363 10:56:21 | 32 | | ACE OPCH | | FDS STATUS GS-4B/X2.8K/S40 MEM:PB/FDS11 SA/FDS11 -----> GS-4B NOT RECOVERABLE ----> RETAIN CR-5T CONFIGURATION | FDS | GS-4B | 15585:28:001F | 01-363/01:40:47 | 2ESf |
| 257 | 363 10:56:21 | 32 | | | CC3A | (41310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=41 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | MDS | | 15585:28:002F | 01-363/01:40:47 | 2ECs |
| 258 | 363 10:56:22 | 32 | | | SC06BB | (53 0 07 0) FDS MODE TO: PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY | FDS | | 15585:28:025F | 01-363/01:40:49 | 2ECf |
| 259 | 363 10:56:23 | 32 | | | | B- DRCRUS | | | 15585:28:034F | 01-363/01:40:49 | 2TB |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 260 | 363 10:57:09 | 32 | | ACE OPCH | | FDS STATUS CR-5T/X160/S10 MEM:PB/FDS11 SA/FDS11 | FDS | CR-5T | 15585:29:001F | 01-363/01:41:35 | 2ESf |
| 261 | 363 10:57:09 | 32 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 15585:29:001F | 01-363/01:41:35 | 2ECd |
| 262 | 363 10:57:09 | 32 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:R TRK:8 TIC:1769 | DTR | | 15585:29:001F | 01-363/01:41:35 | 2ESd |
| 263 | 363 10:57:09 | 32 | | | CC3A | (32310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=32 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | MDS | | 15585:29:002F | 01-363/01:41:35 | 2ECs |
| 264 | 363 10:57:11 | 32 | | | | END PWSREC | | | 15585:29:034F | 01-363/01:41:37 | 2T |
| 265 | 363 11:04:39 | 31 | | | CC16C | (7011) DTR STATE SELECT: READY | DTR | | 21727:35:002F | 01-362/23:25:24 | 1ECd |
| 266 | 363 11:07:49 | 32 | 40 SET | | | 10 DEGREE SET DSC-40 | | | | | 2V |
| 267 | 363 12:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 15S | | | | | 1L |
| 268 | 363 12:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 34S | | | | | 2L |
| 269 | 363 12:34:25 | 31 | 10RISE | | | 10 DEGREE RISE DSC-10 | | | | | 1V |
| 270 | 363 12:35:33 | 31 | 65 | OPCH 65 | | == START TLC TEST DOWN-LINK == | | | | | 1TD |
| 271 | 363 13:04:22 | 32 | | | CC16C | (2221) DTR STATE SELECT: SLEW | DTR | | 15588:08:002F | 01-363/03:48:47 | 2ECd |
| 272 | 363 13:04:22 | 32 | | | | DTR STATUS MODE:SLEW RATE:007.2K DIR:R TRK:1 TIC:1762 | DTR | | 15588:08:002F | 01-363/03:48:47 | 2ESd |
| 273 | 363 13:04:47 | 32 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 15588:08:427F | 01-363/03:49:13 | 2ECd |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|--|-----------|---------|---------------|-----------------|-----------|
| 274 | 363 13:04:47 | 32 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:R TRK:1 TIC:1752 | DTR | | 15588:08:427F | 01-363/03:49:13 | 2ESd |
| 275 | 363 13:36:33 | 31 | 65 | OPCH 65 | | == END TLC TEST DOWN-LINK == | | | | | 1TD |
| 276 | 363 13:55:00 | 31 | 25 AO | OPCH ACE | | AOS DSS-25 PASS-8906 (D/L ONLY) | | | | | 1DP |
| 277 | 363 14:15:00 | 31 | 65 LO | OPCH ACE | | LOS DSS-65 PASS-8905 | | | | | 1DP |
| 278 | 363 16:04:23 | 32 | | | CC16C | (7022) DTR STATE SELECT: READY | DTR | | 15591:53:001F | 01-363/06:48:47 | 2ECd |
| 279 | 363 16:04:23 | 32 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:R TRK:2 TIC:1752 | DTR | | 15591:53:001F | 01-363/06:48:47 | 2ESd |
| 280 | 363 16:34:10 | 31 | 60 SET | | | 10 DEGREE SET DSC-60 | | | | | 1V |
| 281 | 363 19:12:55 | 32 | 40RISE | | | 10 DEGREE RISE DSC-40 | | | | | 2V |
| 282 | 363 19:58:27 | 31 | 40RISE | | | 10 DEGREE RISE DSC-40 | | | | | 1V |
| 283 | 363 21:13:12 | 32 | | | AC7SSB | (4 +177) SS BIAS CONTROL --- YAW | AACS | | 15598:19:003F | 01-363/11:57:35 | 2ECa |
| 284 | 363 21:39:52 | 31 | | | | B- UVSLEW | | | 21740:49:001F | 01-363/10:00:35 | 1TB |
| 285 | 363 21:39:52 | 31 | | | | SLEW TO HELIO-9C | | | 21740:49:001F | 01-363/10:00:35 | 1T |
| 286 | 363 21:39:52 | 31 | | | | B- PLATPOA | | | 21740:49:001F | 01-363/10:00:35 | 1TB |
| 287 | 363 21:39:52 | 31 | | | AC7SPK | (1 12 1 079 028) EL SLEW R=LOW | AACS | | 21740:49:003F | 01-363/10:00:36 | 1ECa |
| 288 | 363 21:42:01 | 31 | | | | B- SLEND | | | 21740:51:551F | 01-363/10:02:44 | 1TB |
| 289 | 363 21:42:01 | 31 | | | SLEWEND | AZ=44.289 EL=160.313 CO=164.623 | | | 21740:51:551F | 01-363/10:02:44 | 1T |
| 290 | 363 22:45:00 | 31 | 25 LO | OPCH ACE | | LOS DSS-25 PASS-8906 | | | | | 1DP |
| 291 | 363 23:20:00 | 32 | 43 AO | OPCH ACE | | AOS DSS-43 PASS-8922 (U/L PASS) XMTR ON PER TELECOM MESSAGE | | | | | 2DP |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 | 364 00:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 16S | | | | | 1L |
| 293 | 364 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 36S | | | | | 2L |
| 294 | 364 00:00:26 | 31 | 10 | SET | | 10 DEGREE SET DSC-10 | | | | | 1V |
| 295 | 364 03:25:00 | 32 | 45 | AO | OPCH ACE | AOS DSS-45 PASS-8922 (D/L ONLY) | | | | | 2DP |
| 296 | 364 03:45:00 | 32 | 43 | LO | OPCH ACE | LOS DSS-43 PASS-8922 | | | | | 2DP |
| 297 | 364 04:58:01 | 31 | 60 | RISE | | 10 DEGREE RISE DSC-60 | | | | | 1V |
| 298 | 364 05:07:20 | 31 | 40 | SET | | 10 DEGREE SET DSC-40 | | | | | 1V |
| 299 | 364 06:50:00 | 31 | 65 | AO | OPCH ACE | AOS DSS-65 PASS-8906 (D/L ONLY) | | | | | 1DP |
| 300 | 364 08:59:53 | 31 | | | AC7SSB | (3 +004) SS BIAS CONTROL - PITCH | AACS | | 21754:59:003F | 01-363/21:20:36 | 1ECa |
| 301 | 364 09:39:53 | 31 | | | | B- UVSLEW | | | 21755:49:001F | 01-363/22:00:35 | 1TB |
| 302 | 364 09:39:53 | 31 | | | | SLEW TO HELIO-10C | | | 21755:49:001F | 01-363/22:00:35 | 1T |
| 303 | 364 09:39:53 | 31 | | | | B- PLATPOA | | | 21755:49:001F | 01-363/22:00:35 | 1TB |
| 304 | 364 09:39:53 | 31 | | | AC7SPK | (1 12 1 071 142) EL SLEW R=LOW | AACS | | 21755:49:003F | 01-363/22:00:36 | 1ECa |
| 305 | 364 09:42:21 | 31 | | | | B- SLEND | | | 21755:52:068F | 01-363/22:03:03 | 1TB |
| 306 | 364 09:42:21 | 31 | | | SLEWEND | AZ=44.289 EL=172.024 CO=174.561 | | | 21755:52:068F | 01-363/22:03:03 | 1T |
| 307 | 364 10:15:00 | 32 | 45 | LO | OPCH ACE | LOS DSS-45 PASS-8922 | | | | | 2DP |
| 308 | 364 11:03:58 | 32 | 40 | SET | | 10 DEGREE SET DSC-40 | | | | | 2V |
| 309 | 364 12:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 17S | | | | | 1L |
| 310 | 364 12:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 39S | | | | | 2L |
| 311 | 364 12:30:31 | 31 | 10 | RISE | | 10 DEGREE RISE DSC-10 | | | | | 1V |
| 312 | 364 15:15:00 | 31 | 65 | LO | OPCH ACE | LOS DSS-65 PASS-8906 | | | | | 1DP |
| 313 | 364 16:30:00 | 31 | 25 | AO | OPCH ACE | AOS DSS-25 PASS-8907 (D/L ONLY) | | | | | 1DP |
| 314 | 364 16:30:17 | 31 | 60 | SET | | 10 DEGREE SET DSC-60 | | | | | 1V |

INTEGRATED SEQUENCE FOR JST A041F JSX B114F WEEK 52 DOY 01-358/00:00 - 01-365/00:00

| 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 |
|---------|----------------------------|-------|--------|------------------|---------|---------------------------------|--------------|------------|-----------|----------|--------------|
| 315 | 364 19:00:00 | 32 | 45 AO | OPCH ACE | | AOS DSS-45 PASS-8923 (D/L ONLY) | | | | | 2DP |
| 316 | 364 19:09:05 | 32 | 40RISE | | | 10 DEGREE RISE DSC-40 | | | | | 2V |
| 317 | 364 19:54:34 | 31 | 40RISE | | | 10 DEGREE RISE DSC-40 | | | | | 1V |
| 318 | 364 22:40:00 | 31 | 25 LO | OPCH ACE | | LOS DSS-25 PASS-8907 | | | | | 1DP |
| 319 | 364 23:56:33 | 31 | 10 SET | | | 10 DEGREE SET DSC-10 | | | | | 1V |
| 320 | 365 00:00:00 | 31 | | | | VGR-31 OWLT IS 11H 39M 18S | | | | | 1L |
| 321 | 365 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 15M 42S | | | | | 2L |