

INTEGRATED SEQUENCE FOR JST A045F JSX B118F WEEK 1 DOY 02-364/00:00 - 03-006/00:00

| 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 | 364 00:00:00 | 31 | | | | VGR-31 OWLT IS 12H 09M 14S | | | | | 1L |
| 2 | 364 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 41M 21S | | | | | 2L |
| 3 | 364 04:00:00 | 32 | 34 AOS | OPCH ACE | | AOS DSS-34 PASS-9288 (D/L ONLY) | | | | | 2DP |
| 4 | 364 04:00:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 5 | 364 04:58:36 | 31 | 60RISE | | | 10.2 DEGREE RISE DSC-60 | | | | | 1V |
| 6 | 364 05:05:48 | 31 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 1V |
| 7 | 364 05:20:00 | 32 | 45 AOS | OPCH ACE | | AOS DSS-45 PASS-9288 (D/L ONLY) | | | | | 2DP |
| 8 | 364 05:20:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 9 | 364 05:40:00 | 32 | 34 LOS | OPCH ACE | | LOS DSS-34 PASS-9288 | | | | | 2DP |
| 10 | 364 09:20:00 | 32 | 45 LOS | OPCH ACE | | LOS DSS-45 PASS-9288 | | | | | 2DP |
| 11 | 364 11:07:59 | 32 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 2V |
| 12 | 364 12:00:00 | 31 | | | | VGR-31 OWLT IS 12H 09M 15S | | | | | 1L |
| 13 | 364 12:00:00 | 32 | | | | VGR-32 OWLT IS 09H 41M 24S | | | | | 2L |
| 14 | 364 12:31:04 | 31 | 10RISE | | | 10.2 DEGREE RISE DSC-10 | | | | | 1V |
| 15 | 364 12:45:00 | 31 | 65 AOS | OPCH ACE | | AOS DSS-65 PASS-9272 (D/L ONLY) | | | | | 1DP |
| 16 | 364 12:45:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 17 | 364 15:09:51 | 31 | | | | B- UVSLEW | | | 32712:04:001F | 02-364/03:00:35 | 1TB |
| 18 | 364 15:09:51 | 31 | | | | SLEW TO HELIO-2A | | | 32712:04:001F | 02-364/03:00:35 | 1T |
| 19 | 364 15:09:51 | 31 | | | | B- PLATPOA | | | 32712:04:001F | 02-364/03:00:35 | 1TB |
| 20 | 364 15:09:51 | 31 | | | AC7SPK | (1 12 1 128 128) EL SLEW R=LOW | AACS | | 32712:04:003F | 02-364/03:00:36 | 1ECa |
| 21 | 364 15:12:10 | 31 | | | | B- SLEND | | | 32712:06:718F | 02-364/03:02:54 | 1TB |
| 22 | 364 15:12:10 | 31 | | | SLEWEND | AZ=299.956 EL=90.056 CO=92.905 | | | 32712:06:718F | 02-364/03:02:54 | 1T |

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|---------|-------------------------|-------|--------|---------------|---------|----------------------------------|-----------|---------|---------------|-----------------|-----------|
| 23 | 364 15:25:00 | 31 | 25 AOS | OPCH ACE | | AOS DSS-25 PASS-9273 (D/L ONLY) | | | | | 1DP |
| 24 | 364 15:25:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 25 | 364 15:45:00 | 31 | 65 LOS | OPCH ACE | | LOS DSS-65 PASS-9272 | | | | | 1DP |
| 26 | 364 16:07:25 | 31 | 60 SET | | | 14.4 DEGREE SET DSC-60 | | | | | 1V |
| 27 | 364 19:04:41 | 32 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 28 | 364 19:47:28 | 31 | | | AC7SSB | (3 +004) SS BIAS CONTROL - PITCH | AACS | | 32717:51:003F | 02-364/07:38:12 | 1ECa |
| 29 | 364 19:56:00 | 31 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |
| 30 | 364 23:10:00 | 31 | 25 LOS | OPCH ACE | | LOS DSS-25 PASS-9273 | | | | | 1DP |
| 31 | 364 23:55:50 | 31 | 10 SET | | | 10.2 DEGREE SET DSC-10 | | | | | 1V |
| 32 | 365 00:00:00 | 31 | | | | VGR-31 OWLT IS 12H 09M 16S | | | | | 1L |
| 33 | 365 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 41M 26S | | | | | 2L |
| 34 | 365 02:20:00 | 32 | 34 AOS | OPCH ACE | | AOS DSS-34 PASS-9289 (D/L ONLY) | | | | | 2DP |
| 35 | 365 02:20:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 36 | 365 04:54:42 | 31 | 60RISE | | | 10.2 DEGREE RISE DSC-60 | | | | | 1V |
| 37 | 365 05:01:54 | 31 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 1V |
| 38 | 365 07:45:00 | 32 | 34 LOS | OPCH ACE | | LOS DSS-34 PASS-9289 | | | | | 2DP |
| 39 | 365 11:04:08 | 32 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 2V |
| 40 | 365 12:00:00 | 31 | | | | VGR-31 OWLT IS 12H 09M 17S | | | | | 1L |
| 41 | 365 12:00:00 | 32 | | | | VGR-32 OWLT IS 09H 41M 29S | | | | | 2L |
| 42 | 365 12:27:11 | 31 | 10RISE | | | 10.2 DEGREE RISE DSC-10 | | | | | 1V |
| 43 | 365 13:30:00 | 31 | 65 AOS | OPCH ACE | | AOS DSS-65 PASS-9273 (D/L ONLY) | | | | | 1DP |
| 44 | 365 13:30:00 | 31 | | | | CFG CODES | | | | | 1DP |

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|---------|-------------------------|-------|--------|---------------|---------|--|-----------|---------|---------------|-----------------|-----------|
| 45 | 365 15:09:53 | 31 | | | | B- UVSLEW | | | 32742:04:001F | 02-365/03:00:35 | 1TB |
| 46 | 365 15:09:53 | 31 | | | | SLEW TO HELIO-1A | | | 32742:04:001F | 02-365/03:00:35 | 1T |
| 47 | 365 15:09:53 | 31 | | | | B- PLATPOA | | | 32742:04:001F | 02-365/03:00:35 | 1TB |
| 48 | 365 15:09:53 | 31 | | | AC7SPK | (1 12 1 135 217) EL SLEW R=LOW | AACS | | 32742:04:003F | 02-365/03:00:36 | 1ECa |
| 49 | 365 15:12:00 | 31 | | | | B- SLEND | | | 32742:06:518F | 02-365/03:02:42 | 1TB |
| 50 | 365 15:12:00 | 31 | | | SLEWEND | AZ=299.956 EL=80.031 CO=82.965 | | | 32742:06:518F | 02-365/03:02:42 | 1T |
| 51 | 365 15:25:00 | 31 | 25 AOS | OPCH ACE | | AOS DSS-25 PASS-9274 (D/L ONLY) | | | | | 1DP |
| 52 | 365 15:25:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 53 | 365 15:45:00 | 31 | 65 LOS | OPCH ACE | | LOS DSS-65 PASS-9273 | | | | | 1DP |
| 54 | 365 16:03:31 | 31 | 60 SET | | | 14.4 DEGREE SET DSC-60 | | | | | 1V |
| 55 | 365 18:27:55 | 32 | | | AC7SSB | (3 +004) SS BIAS CONTROL - PITCH | AACS | | 26604:20:003F | 02-365/08:46:23 | 2ECa |
| 56 | 365 19:00:51 | 32 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 57 | 365 19:52:07 | 31 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |
| 58 | 365 21:40:18 | 31 | | | | B- MISCMD | | | 32750:12:001F | 02-365/09:30:59 | 1TB |
| 59 | 365 21:40:18 | 31 | | | | MISCMD - GYRO INIT | | | 32750:12:001F | 02-365/09:30:59 | 1T |
| 60 | 365 21:40:18 | 31 | | | CC7GY | (3) DRIRU INITIALIZE [P/Y/R] | AACS | | 32750:12:002F | 02-365/09:31:00 | 1ECa |
| 61 | 365 23:05:00 | 31 | 25 LOS | OPCH ACE | | LOS DSS-25 PASS-9274 | | | | | 1DP |
| 62 | 365 23:41:20 | 32 | | ACE OPCH | | >>>>>> 5 MIN WARNING <<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 2ESF |
| 63 | 365 23:41:20 | 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 |
| 64 | 365 23:42:08 | 32 | | ACE OPCH | | >>>>>> 5 MIN WARNING <<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 2ESF |

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|---------|-------------------------|-------|-----|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 90 | 001 00:50:42 | 31 | | | | B- DRGS4B | | | 32754:10:001F | 02-365/12:41:23 | 1TB |
| 91 | 001 00:50:42 | 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 | | 32754:10:009F | 02-365/12:41:24 | 1ECf |
| 92 | 001 00:51:26 | 31 | | | | BEGIN RECORDING PWS DATA | | | 32754:10:734F | 02-365/12:42:07 | 1T |
| 93 | 001 00:51:26 | 31 | | | CC16C | (3000) DTR STATE SELECT:115.2REC | DTR | | 32754:10:735F | 02-365/12:42:08 | 1ECd |
| 94 | 001 00:51:26 | 31 | | | | DTR STATUS MODE:REC RATE:115.2K DIR:F TRK:1 TIC:3241 | DTR | | 32754:10:735F | 02-365/12:42:08 | 1ESd |
| 95 | 001 00:51:30 | 31 | | ACE OPCH | | FDS STATUS GS-4B/X2.8K/S40 MEM:PA/FDS11 -----> GS-4B NOT RECOVERABLE ----> RETAIN CR-5T CONFIGURATION | FDS | GS-4B | 32754:11:001F | 02-365/12:42:11 | 1ESf |
| 96 | 001 00:51:30 | 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 | | 32754:11:002F | 02-365/12:42:11 | 1ECs |
| 97 | 001 00:51:31 | 31 | | | | B- DRCRUS | | | 32754:11:018F | 02-365/12:42:12 | 1TB |
| 98 | 001 00:51:31 | 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 | | 32754:11:026F | 02-365/12:42:13 | 1ECf |
| 99 | 001 00:52:18 | 31 | | ACE OPCH | | FDS STATUS CR-5T/X160/S10 MEM:PA/FDS11 | FDS | CR-5T | 32754:12:001F | 02-365/12:42:59 | 1ESf |

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|---------|-------------------------|-------|--------|---------------|---------|--|-----------|---------|---------------|-----------------|-----------|
| 100 | 001 00:52:18 | 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 | | 32754:12:002F | 02-365/12:42:59 | 1ECs |
| 101 | 001 00:52:18 | 31 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 32754:12:002F | 02-365/12:43:00 | 1ECd |
| 102 | 001 00:52:18 | 31 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:F TRK:1 TIC:3533 | DTR | | 32754:12:002F | 02-365/12:43:00 | 1ESd |
| 103 | 001 00:53:06 | 31 | | | SC32AJ | (11) PLS CONFIG CMD | FDS | | 32754:13:009F | 02-365/12:43:48 | 1ECf |
| 104 | 001 00:53:07 | 31 | | | | END PWSREC.31 | | | 32754:13:018F | 02-365/12:43:48 | 1T |
| 105 | 001 03:45:00 | 32 | 45 AOS | OPCH ACE | | AOS DSS-45 PASS-9290 (D/L ONLY) | | | | | 2DP |
| 106 | 001 03:45:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 107 | 001 04:50:49 | 31 | 60RISE | | | 10.2 DEGREE RISE DSC-60 | | | | | 1V |
| 108 | 001 04:58:01 | 31 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 1V |
| 109 | 001 07:45:00 | 32 | 45 LOS | OPCH ACE | | LOS DSS-45 PASS-9290 | | | | | 2DP |
| 110 | 001 09:51:58 | 32 | | | AC7SSB | (4 +176) SS BIAS CONTROL --- YAW | AACS | | 26623:35:003F | 03-001/00:10:23 | 2ECa |
| 111 | 001 11:00:17 | 32 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 2V |
| 112 | 001 12:00:00 | 31 | | | | VGR-31 OWLT IS 12H 09M 18S | | | | | 1L |
| 113 | 001 12:00:00 | 32 | | | | VGR-32 OWLT IS 09H 41M 34S | | | | | 2L |
| 114 | 001 12:19:30 | 31 | | | AC7SSB | (4 +164) SS BIAS CONTROL --- YAW | AACS | | 32768:31:003F | 03-001/00:10:12 | 1ECa |
| 115 | 001 12:23:17 | 31 | 10RISE | | | 10.2 DEGREE RISE DSC-10 | | | | | 1V |
| 116 | 001 15:59:36 | 31 | 60 SET | | | 14.4 DEGREE SET DSC-60 | | | | | 1V |
| 117 | 001 18:57:01 | 32 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 118 | 001 19:48:14 | 31 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |

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|---------|-------------------------|-------|--------|---------------|---------|---------------------------------|-----------|---------|-----------|----------|-----------|
| 119 | 001 20:00:00 | 31 | 14 AOS | OPCH ACE | | AOS DSS-14 PASS-9275 (D/L ONLY) | | | | | 1DP |
| 120 | 001 20:00:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 121 | 001 23:48:04 | 31 | 10 SET | | | 10.2 DEGREE SET DSC-10 | | | | | 1V |
| 122 | 002 00:00:00 | 31 | 14 LOS | OPCH ACE | | LOS DSS-14 PASS-9275 | | | | | 1DP |
| 123 | 002 00:00:00 | 31 | | | | VGR-31 OWLT IS 12H 09M 19S | | | | | 1L |
| 124 | 002 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 41M 37S | | | | | 2L |
| 125 | 002 03:30:00 | 32 | 45 AOS | OPCH ACE | | AOS DSS-45 PASS-9291 (D/L ONLY) | | | | | 2DP |
| 126 | 002 03:30:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 127 | 002 04:46:55 | 31 | 60RISE | | | 10.2 DEGREE RISE DSC-60 | | | | | 1V |
| 128 | 002 04:54:07 | 31 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 1V |
| 129 | 002 09:40:00 | 32 | 45 LOS | OPCH ACE | | LOS DSS-45 PASS-9291 | | | | | 2DP |
| 130 | 002 10:56:26 | 32 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 2V |
| 131 | 002 12:00:00 | 31 | | | | VGR-31 OWLT IS 12H 09M 20S | | | | | 1L |
| 132 | 002 12:00:00 | 32 | | | | VGR-32 OWLT IS 09H 41M 39S | | | | | 2L |
| 133 | 002 12:19:24 | 31 | 10RISE | | | 10.2 DEGREE RISE DSC-10 | | | | | 1V |
| 134 | 002 15:55:42 | 31 | 60 SET | | | 14.4 DEGREE SET DSC-60 | | | | | 1V |
| 135 | 002 17:30:00 | 31 | 24 AOS | OPCH ACE | | AOS DSS-24 PASS-9276 (D/L ONLY) | | | | | 1DP |
| 136 | 002 17:30:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 137 | 002 18:53:11 | 32 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 138 | 002 19:44:21 | 31 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |

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|---------|----------------------------|-------|--------|------------------|---------|--|--------------|------------|-----------|----------|--------------|
| 139 | 002 21:00:00 | 31 | 24 | OPCH 24 | | == START TLC TEST UP-LINK == == EXECUTE PER DSN SUPPLIED == == TUNING INSTRUCTIONS == | | | | | 1TD |
| 140 | 002 21:00:00 | 31 | 24 | OPCH 24 | | == TLC TEST UP-LINK == TURN RANGING MOD OFF (IF APPL) | | | | | 1TD |
| 141 | 002 21:01:00 | 31 | 24 | OPCH 24 | | == TLC TEST UP-LINK == TURN COMMAND MOD OFF (IF APPL) NO COMMANDING FOR 1 HR 56 MIN | | | | | 1TD |
| 142 | 002 21:02:00 | 31 | 24 | OPCH 24 | | == TLC TEST UP-LINK == == TUNE U/L AT 48 HZ/SEC == == TO XA-65 KHZ (S-BAND) == | | | | | 1TD |
| 143 | 002 21:27:00 | 31 | 24 | OPCH 24 | | == END TLC TEST UP-LINK == == TURN TRANSMITTER OFF == TUNE TO TSF @ 48 HZ/SEC (S-BAND) | | | | | 1TD |
| 144 | 002 22:15:00 | 31 | 34 AOS | OPCH ACE | | AOS DSS-34 PASS-9276 (D/L ONLY) | | | | | 1DP |
| 145 | 002 22:15:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 146 | 002 22:35:00 | 31 | 24 LOS | OPCH ACE | | LOS DSS-24 PASS-9276 | | | | | 1DP |
| 147 | 002 23:44:11 | 31 | 10 SET | | | 10.2 DEGREE SET DSC-10 | | | | | 1V |
| 148 | 003 00:00:00 | 31 | | | | VGR-31 OWLT IS 12H 09M 21S | | | | | 1L |
| 149 | 003 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 41M 42S | | | | | 2L |
| 150 | 003 01:25:00 | 31 | 34 LOS | OPCH ACE | | LOS DSS-34 PASS-9276 | | | | | 1DP |
| 151 | 003 02:25:00 | 32 | 34 AOS | OPCH ACE | | AOS DSS-34 PASS-9292 (U/L PASS) XMTR ON PER TELECOM MESSAGE | | | | | 2DP |

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|---------|----------------------------|-------|-----|------------------|---------|---|--------------|------------|---------------|-----------------|--------------|
| 167 | 003 15:00:22 | 31 | 63 | OPCH 63 | | START ASCAL ===== | | | | | 1TD |
| | | | | | | DSS-63: MONITOR X-BD AGC VARIATIONS DURING ASCAL IF X-BD RCVR DROPS LOCK INITIATE AUTO ACQUIRE | | | | | |
| 168 | 003 15:01:10 | 31 | | ACE OPCH | | | FDS | CE-40 | 32831:53:001F | 03-003/02:51:47 | 1ESF |
| | | | | | | FDS STATUS EL-40/X40/S40 MEM:PA/FDS11 | | | | | |
| 169 | 003 15:01:10 | 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 | | 32831:53:002F | 03-003/02:51:47 | 1ECs |
| 170 | 003 15:16:22 | 31 | | | | .05 ALL AXES DEADBAND | | | 32832:12:001F | 03-003/03:06:59 | 1T |
| 171 | 003 15:16:22 | 31 | | | AC7DDB | (000480) CHG TO .05 DEG DEADBAND | AACS | | 32832:12:003F | 03-003/03:07:00 | 1ECa |
| 172 | 003 15:32:22 | 31 | | | AC7MDP | (6) AACS MODE: ALL AXIS INERTIAL | AACS | | 32832:32:002F | 03-003/03:23:00 | 1ECa |
| 173 | 003 15:32:22 | 31 | | | | AACS STATUS MODE : AAI GYRO A: OFF HYBIC: 1 GYRO B: ON CST : ON GRYO C: ON | AACS | | 32832:32:002F | 03-003/03:23:00 | 1ESa |
| 174 | 003 15:32:22 | 31 | | | CC7GARP | GYRO A OFF | PWR | | 32832:32:003F | 03-003/03:23:00 | 1ECp |
| 175 | 003 15:32:22 | 31 | | | CC7GARP | GYRO A OFF | PWR | | 32832:32:005F | 03-003/03:23:00 | 1ECp |
| 176 | 003 15:32:22 | 31 | | | CC7PC | (352) GYRO A OFF | AACS | | 32832:32:007F | 03-003/03:23:00 | 1ECa |
| 177 | 003 15:32:22 | 31 | | | CC10CRP | TCM THRUSTER HEATERS OFF | PWR | | 32832:32:007F | 03-003/03:23:00 | 1ECp |
| 178 | 003 15:32:22 | 31 | | | CC10CRP | TCM THRUSTER HEATERS OFF | PWR | | 32832:32:010F | 03-003/03:23:00 | 1ECp |
| 179 | 003 15:32:23 | 31 | | | CC7PC | (312) DUMMY PWR CMD | AACS | | 32832:32:012F | 03-003/03:23:00 | 1ECa |

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|---------|-------------------------|-------|-----|---------------|---------|------------------------------|-----------|---------|---------------|-----------------|-----------|
| 180 | 003 15:33:09 | 31 | 63 | OPCH 63 | | ASCAL ===== | | | | | 1TD |
| | | | | | | START YAW DRIFT TURNS | | | | | |
| 181 | 003 15:33:10 | 31 | | | | START FIRST YAW DRIFT TURN | | | 32832:33:001F | 03-003/03:23:47 | 1T |
| 182 | 003 15:33:10 | 31 | | | AC7PAR | (7015 013560) PARAMETER LOAD | AACS | | 32832:33:004F | 03-003/03:23:48 | 1ECa |
| 183 | 003 15:37:10 | 31 | | | AC7PAR | (7015 764220) PARAMETER LOAD | AACS | | 32832:38:003F | 03-003/03:27:48 | 1ECa |
| 184 | 003 15:45:10 | 31 | | | AC7PAR | (7015 013560) PARAMETER LOAD | AACS | | 32832:48:003F | 03-003/03:35:48 | 1ECa |
| 185 | 003 15:49:10 | 31 | | | AC7PAR | (7015 000000) PARAMETER LOAD | AACS | | 32832:53:004F | 03-003/03:39:48 | 1ECa |
| 186 | 003 15:49:10 | 31 | 63 | OPCH 63 | | ASCAL ===== | | | | | 1TD |
| | | | | | | END YAW DRIFT TURNS | | | | | |
| 187 | 003 15:49:11 | 31 | | | | END THIRD YAW DRIFT TURN | | | 32832:53:018F | 03-003/03:39:48 | 1T |
| 188 | 003 15:49:57 | 31 | 63 | OPCH 63 | | ASCAL ===== | | | | | 1TD |
| | | | | | | START PITCH DRIFT TURNS | | | | | |
| 189 | 003 15:49:58 | 31 | | | | START FIRST PITCH DRIFT TURN | | | 32832:54:001F | 03-003/03:40:35 | 1T |
| 190 | 003 15:49:58 | 31 | | | AC7PAR | (7014 013560) PARAMETER LOAD | AACS | | 32832:54:003F | 03-003/03:40:36 | 1ECa |
| 191 | 003 15:51:50 | 31 | 60 | SET | | 14.4 DEGREE SET DSC-60 | | | | | 1V |
| 192 | 003 15:53:58 | 31 | | | AC7PAR | (7014 764220) PARAMETER LOAD | AACS | | 32832:59:004F | 03-003/03:44:36 | 1ECa |
| 193 | 003 16:01:58 | 31 | | | AC7PAR | (7014 013560) PARAMETER LOAD | AACS | | 32833:09:004F | 03-003/03:52:36 | 1ECa |
| 194 | 003 16:05:58 | 31 | | | AC7PAR | (7014 000000) PARAMETER LOAD | AACS | | 32833:14:003F | 03-003/03:56:36 | 1ECa |

INTEGRATED SEQUENCE FOR JST A045F JSX B118F WEEK 1 DOY 02-364/00:00 - 03-006/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 212 | 003 16:10:15 | 31 | | | | AACS STATUS MODE : CRU GYRO A: OFF HYBIC: 1 GYRO B: ON CST : ON GRYO C: ON | AACS | | 32833:19:285F | 03-003/04:00:52 | 1ESa |
| 213 | 003 16:10:15 | 31 | | | CC7PC | (307) STAR ACQUIRED | AACS | | 32833:19:286F | 03-003/04:00:53 | 1ECa |
| 214 | 003 16:10:15 | 31 | | | CC7GCRP | GYRO C OFF | PWR | | 32833:19:286F | 03-003/04:00:53 | 1ECp |
| 215 | 003 16:10:15 | 31 | | | | AACS STATUS MODE : CRU GYRO A: OFF HYBIC: 1 GYRO B: ON CST : ON GRYO C: OFF | AACS | | 32833:19:286F | 03-003/04:00:53 | 1ESa |
| 216 | 003 16:10:15 | 31 | | | CC7GCRP | GYRO C OFF | PWR | | 32833:19:288F | 03-003/04:00:53 | 1ECp |
| 217 | 003 16:10:15 | 31 | | | CC7PC | (372) GYRO C OFF | AACS | | 32833:19:290F | 03-003/04:00:53 | 1ECa |
| 218 | 003 16:10:15 | 31 | | | CC7GBRP | GYRO B OFF | PWR | | 32833:19:291F | 03-003/04:00:53 | 1ECp |
| 219 | 003 16:10:15 | 31 | | | | AACS STATUS MODE : CRU GYRO A: OFF HYBIC: 1 GYRO B: OFF CST : ON GRYO C: OFF | AACS | | 32833:19:291F | 03-003/04:00:53 | 1ESa |
| 220 | 003 16:10:15 | 31 | | | CC7GBRP | GYRO B OFF | PWR | | 32833:19:293F | 03-003/04:00:53 | 1ECp |
| 221 | 003 16:10:16 | 31 | | | CC7PC | (362) GYRO B OFF | AACS | | 32833:19:295F | 03-003/04:00:53 | 1ECa |
| 222 | 003 16:10:16 | 31 | | | CC7GARP | GYRO A OFF | PWR | | 32833:19:296F | 03-003/04:00:53 | 1ECp |
| 223 | 003 16:10:16 | 31 | | | CC7GARP | GYRO A OFF | PWR | | 32833:19:298F | 03-003/04:00:53 | 1ECp |
| 224 | 003 16:10:16 | 31 | | | CC7PC | (352) GYRO A OFF | AACS | | 32833:19:300F | 03-003/04:00:53 | 1ECa |
| 225 | 003 16:10:16 | 31 | | | CC10CRP | TCM THRUSTER HEATERS OFF | PWR | | 32833:19:301F | 03-003/04:00:53 | 1ECp |
| 226 | 003 16:10:16 | 31 | | | CC10CRP | TCM THRUSTER HEATERS OFF | PWR | | 32833:19:303F | 03-003/04:00:54 | 1ECp |
| 227 | 003 16:10:16 | 31 | | | CC7PC | (312) DUMMY PWR CMD | AACS | | 32833:19:305F | 03-003/04:00:54 | 1ECa |

INTEGRATED SEQUENCE FOR JST A045F JSX B118F WEEK 1 DOY 02-364/00:00 - 03-006/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 228 | 003 16:12:22 | 31 | | | | B- DRCRUS | | | 32833:22:001F | 03-003/04:02:59 | 1TB |
| 229 | 003 16:12:22 | 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 | | 32833:22:009F | 03-003/04:03:00 | 1ECf |
| 230 | 003 16:13:10 | 31 | | ACE | OPCH | FDS STATUS CR-5T/X160/S10 MEM:PA/FDS11 | FDS | CR-5T | 32833:23:001F | 03-003/04:03:47 | 1ESf |
| 231 | 003 16:13:10 | 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 | | 32833:23:002F | 03-003/04:03:47 | 1ECs |
| 232 | 003 16:18:46 | 31 | | | | B- YAWDB | | | 32833:30:001F | 03-003/04:09:23 | 1TB |
| 233 | 003 16:18:46 | 31 | | | | YAWDB - .10 | | | 32833:30:001F | 03-003/04:09:23 | 1T |
| 234 | 003 16:18:46 | 31 | | | | B- ROLLDB | | | 32833:30:001F | 03-003/04:09:23 | 1TB |
| 235 | 003 16:18:46 | 31 | | | | ROLLDB - .25 | | | 32833:30:001F | 03-003/04:09:23 | 1T |
| 236 | 003 16:18:46 | 31 | | | AC7PAR | (6741 001700) +YAW DB=.10 DEG | AACS | | 32833:30:004F | 03-003/04:09:24 | 1ECa |
| 237 | 003 16:18:46 | 31 | | | AC7PAR | (6742 004540) +ROLL DB=.25 DEG | AACS | | 32833:30:006F | 03-003/04:09:24 | 1ECa |
| 238 | 003 16:18:47 | 31 | 63 | OPCH | 63 | END ASCAL | | | | | 1TD |
| 239 | 003 16:30:00 | 31 | 63 LOS | OPCH | ACE | LOS DSS-63 PASS-9276 | | | | | 1DP |
| 240 | 003 18:49:21 | 32 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 241 | 003 19:15:00 | 31 | 15 AOS | OPCH | ACE | AOS DSS-15 PASS-9277 (D/L ONLY) | | | | | 1DP |
| 242 | 003 19:15:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 243 | 003 19:40:28 | 31 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |

INTEGRATED SEQUENCE FOR JST A045F JSX B118F WEEK 1 DOY 02-364/00:00 - 03-006/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 244 | 003 21:45:47 | 31 | 15 | OPCH 15 | | == START TLC TEST DOWN-LINK == | | | | | 1TD |
| 245 | 003 22:46:47 | 31 | 15 | OPCH 15 | | == END TLC TEST DOWN-LINK == | | | | | 1TD |
| 246 | 003 23:25:00 | 31 | 15 LOS | OPCH ACE | | LOS DSS-15 PASS-9277 | | | | | 1DP |
| 247 | 003 23:40:18 | 31 | 10 SET | | | 10.2 DEGREE SET DSC-10 | | | | | 1V |
| 248 | 004 00:00:00 | 31 | | | | VGR-31 OWLT IS 12H 09M 22S | | | | | 1L |
| 249 | 004 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 41M 47S | | | | | 2L |
| 250 | 004 01:25:00 | 32 | 45 AOS | OPCH ACE | | AOS DSS-45 PASS-9293 (D/L ONLY) | | | | | 2DP |
| 251 | 004 01:25:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 252 | 004 03:49:10 | 31 | | | CC16C | (2221) DTR STATE SELECT: SLEW | DTR | | 32847:53:002F | 03-003/15:39:48 | 1ECd |
| 253 | 004 03:49:10 | 31 | | | | DTR STATUS MODE:SLEW RATE:007.2K DIR:R TRK:1 TIC:3540 | DTR | | 32847:53:002F | 03-003/15:39:48 | 1ESd |
| 254 | 004 04:24:22 | 31 | | | AC7SSB | (3 +003) SS BIAS CONTROL - PITCH | AACS | | 32848:37:003F | 03-003/16:15:00 | 1ECa |
| 255 | 004 04:39:08 | 31 | 60RISE | | | 10.2 DEGREE RISE DSC-60 | | | | | 1V |
| 256 | 004 04:46:20 | 31 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 1V |
| 257 | 004 05:25:34 | 31 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 32849:53:405F | 03-003/17:16:12 | 1ECd |
| 258 | 004 05:25:34 | 31 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:R TRK:1 TIC:1457 | DTR | | 32849:53:405F | 03-003/17:16:12 | 1ESd |
| 259 | 004 06:46:34 | 31 | | ACE OPCH | | >>>>>> 5 MIN WARNING <<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 1ESf |

INTEGRATED SEQUENCE FOR JST A045F JSX B118F WEEK 1 DOY 02-364/00:00 - 03-006/00:00

| 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 | 004 06:51:34 | 31 | | ACE OPCH | | FDS STATUS GS-4B/X2.8K/S40 MEM:PA/FDS11 -----> GS-4B NOT RECOVERABLE ----> RETAIN CR-5T CONFIGURATION | FDS | GS-4B | 32851:41:001F | 03-003/18:42:11 | 1ESf |
| 275 | 004 06:51:34 | 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 | | 32851:41:002F | 03-003/18:42:11 | 1ECs |
| 276 | 004 06:51:35 | 31 | | | | B- DRCRUS | | | 32851:41:018F | 03-003/18:42:12 | 1TB |
| 277 | 004 06:51:35 | 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 | | 32851:41:026F | 03-003/18:42:13 | 1ECf |
| 278 | 004 06:52:22 | 31 | | ACE OPCH | | FDS STATUS CR-5T/X160/S10 MEM:PA/FDS11 | FDS | CR-5T | 32851:42:001F | 03-003/18:42:59 | 1ESf |
| 279 | 004 06:52:22 | 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 | | 32851:42:002F | 03-003/18:43:00 | 1ECs |
| 280 | 004 06:52:22 | 31 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 32851:42:002F | 03-003/18:43:00 | 1ECd |
| 281 | 004 06:52:22 | 31 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:R TRK:8 TIC:1165 | DTR | | 32851:42:002F | 03-003/18:43:00 | 1ESd |
| 282 | 004 06:53:10 | 31 | | | SC32AJ | (11) PLS CONFIG CMD | FDS | | 32851:43:009F | 03-003/18:43:48 | 1ECf |
| 283 | 004 06:53:11 | 31 | | | | END PWSREC.31 | | | 32851:43:018F | 03-003/18:43:48 | 1T |
| 284 | 004 08:58:46 | 31 | | | CC16C | (2211) DTR STATE SELECT: SLEW | DTR | | 32854:20:002F | 03-003/20:49:24 | 1ECd |

INTEGRATED SEQUENCE FOR JST A045F JSX B118F WEEK 1 DOY 02-364/00:00 - 03-006/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 285 | 004 08:58:46 | 31 | | | | DTR STATUS MODE:SLEW RATE:007.2K DIR:F TRK:1 TIC:1158 | DTR | | 32854:20:002F | 03-003/20:49:24 | 1ESd |
| 286 | 004 10:40:00 | 32 | 45 LOS | OPCH ACE | | LOS DSS-45 PASS-9293 | | | | | 2DP |
| 287 | 004 10:48:45 | 32 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 2V |
| 288 | 004 10:49:02 | 31 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 32856:37:648F | 03-003/22:39:38 | 1ECd |
| 289 | 004 10:49:02 | 31 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:F TRK:1 TIC:3540 | DTR | | 32856:37:648F | 03-003/22:39:38 | 1ESd |
| 290 | 004 11:58:47 | 31 | | | CC16C | (7011) DTR STATE SELECT: READY | DTR | | 32858:05:002F | 03-003/23:49:24 | 1ECd |
| 291 | 004 12:00:00 | 31 | | | | VGR-31 OWLT IS 12H 09M 23S | | | | | 1L |
| 292 | 004 12:00:00 | 32 | | | | VGR-32 OWLT IS 09H 41M 49S | | | | | 2L |
| 293 | 004 12:11:37 | 31 | 10RISE | | | 10.2 DEGREE RISE DSC-10 | | | | | 1V |
| 294 | 004 13:55:00 | 31 | 25 AOS | OPCH ACE | | AOS DSS-25 PASS-9278 (D/L ONLY) | | | | | 1DP |
| 295 | 004 13:55:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 296 | 004 14:53:50 | 32 | | | AC7SSB | (4 +175) SS BIAS CONTROL --- YAW | AACS | | 26719:52:003F | 03-004/05:11:59 | 2ECa |
| 297 | 004 15:47:56 | 31 | 60 SET | | | 14.4 DEGREE SET DSC-60 | | | | | 1V |
| 298 | 004 18:45:31 | 32 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 299 | 004 19:36:36 | 31 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |
| 300 | 004 21:01:51 | 32 | | | AC7SSB | (3 +005) SS BIAS CONTROL - PITCH | AACS | | 26727:32:003F | 03-004/11:19:59 | 2ECa |
| 301 | 004 22:45:00 | 31 | 25 LOS | OPCH ACE | | LOS DSS-25 PASS-9278 | | | | | 1DP |
| 302 | 004 23:30:00 | 32 | 34 AOS | OPCH ACE | | AOS DSS-34 PASS-9294 (D/L ONLY) | | | | | 2DP |

INTEGRATED SEQUENCE FOR JST A045F JSX B118F WEEK 1 DOY 02-364/00:00 - 03-006/00:00

| 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 | 004 23:30:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 304 | 004 23:36:25 | 31 | 10 | SET | | 10.2 DEGREE SET DSC-10 | | | | | 1V |
| 305 | 005 00:00:00 | 31 | | | | VGR-31 OWLT IS 12H 09M 23S | | | | | 1L |
| 306 | 005 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 41M 52S | | | | | 2L |
| 307 | 005 04:35:14 | 31 | 60 | RISE | | 10.2 DEGREE RISE DSC-60 | | | | | 1V |
| 308 | 005 04:42:26 | 31 | 40 | SET | | 10.2 DEGREE SET DSC-40 | | | | | 1V |
| 309 | 005 10:10:00 | 32 | 34 | LOS | OPCH ACE | LOS DSS-34 PASS-9294 | | | | | 2DP |
| 310 | 005 10:44:54 | 32 | 40 | SET | | 10.2 DEGREE SET DSC-40 | | | | | 2V |
| 311 | 005 12:00:00 | 31 | | | | VGR-31 OWLT IS 12H 09M 24S | | | | | 1L |
| 312 | 005 12:00:00 | 32 | | | | VGR-32 OWLT IS 09H 41M 54S | | | | | 2L |
| 313 | 005 12:07:43 | 31 | 10 | RISE | | 10.2 DEGREE RISE DSC-10 | | | | | 1V |
| 314 | 005 13:35:00 | 31 | 63 | AOS | OPCH ACE | AOS DSS-63 PASS-9278 (D/L ONLY) | | | | | 1DP |
| 315 | 005 13:35:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 316 | 005 15:44:01 | 31 | 60 | SET | | 14.4 DEGREE SET DSC-60 | | | | | 1V |
| 317 | 005 16:00:00 | 31 | 25 | AOS | OPCH ACE | AOS DSS-25 PASS-9279 (D/L ONLY) | | | | | 1DP |
| 318 | 005 16:00:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 319 | 005 16:20:00 | 31 | 63 | LOS | OPCH ACE | LOS DSS-63 PASS-9278 | | | | | 1DP |
| 320 | 005 18:41:41 | 32 | 40 | RISE | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 321 | 005 19:32:43 | 31 | 40 | RISE | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |
| 322 | 005 22:50:00 | 31 | 25 | LOS | OPCH ACE | LOS DSS-25 PASS-9279 | | | | | 1DP |
| 323 | 005 23:32:32 | 31 | 10 | SET | | 10.2 DEGREE SET DSC-10 | | | | | 1V |
| 324 | 006 00:00:00 | 31 | | | | VGR-31 OWLT IS 12H 09M 24S | | | | | 1L |

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INTEGRATED SEQUENCE FOR JST A045F JSX B118F WEEK 1 DOY 02-364/00:00 - 03-006/00:00

| 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 |
|---------|----------------------------|-------|-----|------------------|---------|----------------------------|--------------|------------|-----------|----------|--------------|
| 325 | 006 00:00:00 | 32 | | | | VGR-32 OWLT IS 09H 41M 56S | | | | | 2L |