



INTEGRATED FLIGHT SOE

WEEK 41

SEQUENCE ID A064/B137 DATE OF RELEASE October 3, 2007

EXECUTION PERIOD 10/08/07 to 10/14/07 (07-281 to 07-287)

INTEGRATED SEQUENCE FOR JST A064F JSX B137F WEEK 41 DOY 07-281/00:00 - 07-288/00:00

| 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 | 281 00:00:00 | 31 | | | | VGR-31 OWLT IS 14H 29M 21S | | | | | 1L |
| 2 | 281 00:00:00 | 32 | | | | VGR-32 OWLT IS 11H 38M 02S | | | | | 2L |
| 3 | 281 00:16:45 | 32 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 4 | 281 01:30:15 | 31 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |
| 5 | 281 01:45:00 | 32 | 43 AOS | OPCH ACE | | AOS DSS-43 PASS-1036 (D/L ONLY) | | | | | 2DP |
| 6 | 281 01:45:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 7 | 281 02:45:00 | 31 | 15 LOS | OPCH ACE | | LOS DSS-15 PASS-1020 | | | | | 1DP |
| 8 | 281 05:30:00 | 31 | 10 SET | | | 10.2 DEGREE SET DSC-10 | | | | | 1V |
| 9 | 281 09:00:00 | 32 | 34 AOS | OPCH ACE | | AOS DSS-34 PASS-1036 (D/L ONLY) | | | | | 2DP |
| 10 | 281 09:00:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 11 | 281 09:20:00 | 32 | 43 LOS | OPCH ACE | | LOS DSS-43 PASS-1036 | | | | | 2DP |
| 12 | 281 10:26:57 | 31 | 60RISE | | | 10.2 DEGREE RISE DSC-60 | | | | | 1V |
| 13 | 281 10:34:15 | 31 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 1V |
| 14 | 281 11:15:00 | 32 | 34 LOS | OPCH ACE | | LOS DSS-34 PASS-1036 | | | | | 2DP |
| 15 | 281 12:00:00 | 31 | | | | VGR-31 OWLT IS 14H 29M 26S | | | | | 1L |
| 16 | 281 12:00:00 | 32 | | | | VGR-32 OWLT IS 11H 38M 08S | | | | | 2L |
| 17 | 281 14:10:00 | 31 | 65 AOS | OPCH ACE | | AOS DSS-65 PASS-1020 (D/L ONLY) | | | | | 1DP |
| 18 | 281 14:10:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 19 | 281 17:08:11 | 32 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 2V |
| 20 | 281 17:59:36 | 31 | 10RISE | | | 10.2 DEGREE RISE DSC-10 | | | | | 1V |
| 21 | 281 20:05:00 | 31 | 65 LOS | OPCH ACE | | LOS DSS-65 PASS-1020 | | | | | 1DP |
| 22 | 281 21:35:19 | 31 | 60 SET | | | 14.9 DEGREE SET DSC-60 | | | | | 1V |

INTEGRATED SEQUENCE FOR JST A064F JSX B137F WEEK 41 DOY 07-281/00:00 - 07-288/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|---------------------------------|-----------|---------|-----------|----------|-----------|
| 23 | 282 00:00:00 | 31 | | | | VGR-31 OWLT IS 14H 29M 31S | | | | | 1L |
| 24 | 282 00:00:00 | 32 | | | | VGR-32 OWLT IS 11H 38M 14S | | | | | 2L |
| 25 | 282 00:12:51 | 32 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 26 | 282 01:00:00 | 31 | 14 AOS | OPCH ACE | | AOS DSS-14 PASS-1021 (D/L ONLY) | | | | | 1DP |
| 27 | 282 01:00:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 28 | 282 01:26:19 | 31 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |
| 29 | 282 04:15:00 | 31 | 14 LOS | OPCH ACE | | LOS DSS-14 PASS-1021 | | | | | 1DP |
| 30 | 282 05:26:05 | 31 | 10 SET | | | 10.2 DEGREE SET DSC-10 | | | | | 1V |
| 31 | 282 05:30:00 | 32 | 43 AOS | OPCH ACE | | AOS DSS-43 PASS-1037 (D/L ONLY) | | | | | 2DP |
| 32 | 282 05:30:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 33 | 282 10:23:04 | 31 | 60RISE | | | 10.2 DEGREE RISE DSC-60 | | | | | 1V |
| 34 | 282 10:30:21 | 31 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 1V |
| 35 | 282 11:15:00 | 32 | 34 AOS | OPCH ACE | | AOS DSS-34 PASS-1037 (D/L ONLY) | | | | | 2DP |
| 36 | 282 11:15:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 37 | 282 11:35:00 | 32 | 43 LOS | OPCH ACE | | LOS DSS-43 PASS-1037 | | | | | 2DP |
| 38 | 282 12:00:00 | 31 | | | | VGR-31 OWLT IS 14H 29M 37S | | | | | 1L |
| 39 | 282 12:00:00 | 32 | | | | VGR-32 OWLT IS 11H 38M 20S | | | | | 2L |
| 40 | 282 14:10:00 | 32 | 34 LOS | OPCH ACE | | LOS DSS-34 PASS-1037 | | | | | 2DP |
| 41 | 282 16:00:00 | 31 | 63 AOS | OPCH ACE | | AOS DSS-63 PASS-1021 (D/L ONLY) | | | | | 1DP |
| 42 | 282 16:00:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 43 | 282 17:04:12 | 32 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 2V |

INTEGRATED SEQUENCE FOR JST A064F JSX B137F WEEK 41 DOY 07-281/00:00 - 07-288/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 44 | 282 17:55:42 | 31 | 10RISE | | | 10.2 DEGREE RISE DSC-10 | | | | | 1V |
| 45 | 282 21:30:00 | 31 | 63 LOS | OPCH ACE | | LOS DSS-63 PASS-1021 | | | | | 1DP |
| 46 | 282 21:31:26 | 31 | 60 SET | | | 14.9 DEGREE SET DSC-60 | | | | | 1V |
| 47 | 282 22:15:00 | 31 | 15 AOS | OPCH ACE | | AOS DSS-15 PASS-1022 (D/L ONLY) | | | | | 1DP |
| 48 | 282 22:15:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 49 | 282 23:38:54 | 31 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 1ESF |
| 50 | 282 23:38:54 | 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 |
| 51 | 282 23:39:06 | 31 | | | | BEGIN PMPCALLR | | | 19503:45:001F | 07-282/09:09:23 | 1T |
| 52 | 282 23:43:06 | 31 | | | | B- DRCR5T | | | 19503:50:001F | 07-282/09:13:23 | 1TB |
| 53 | 282 23:43:06 | 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 | | 19503:50:009F | 07-282/09:13:24 | 1ECF |
| 54 | 282 23:43:54 | 31 | | ACE OPCH | | FDS STATUS CR-5T/X160/S10 MEM:PA/FDS11 | FDS | CR-5T | 19503:51:001F | 07-282/09:14:11 | 1ESF |
| 55 | 282 23:43:54 | 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 | | 19503:51:002F | 07-282/09:14:12 | 1ECs |
| 56 | 282 23:50:18 | 31 | | | SC06BY | (7) FDS PLS/MAG/PESCAL FLAG PLSCAL ENABLED MAGCAL ENABLED PESCAL ENABLED | FDS | | 19503:59:009F | 07-282/09:20:36 | 1ECf |
| 57 | 282 23:51:06 | 31 | | | | BEGIN PLS/MAG/PESCAL | | | 19504:00:001F | 07-282/09:21:23 | 1T |

INTEGRATED SEQUENCE FOR JST A064F JSX B137F WEEK 41 DOY 07-281/00:00 - 07-288/00:00

| 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 |
|---------|----------------------------|----------|--------|------------------|---------|---|--------------|------------|---------------|-----------------|--------------|
| 58 | 283 00:00:00 | 31 | | | | VGR-31 OWLT IS 14H 29M 42S | | | | | 1L |
| 59 | 283 00:00:00 | 32 | | | | VGR-32 OWLT IS 11H 38M 26S | | | | | 2L |
| 60 | 283 00:08:56 | 32 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 61 | 283 01:22:24 | 31 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |
| 62 | 283 01:33:31 | 31 | | | | END PLSCAL | | | 19506:08:001F | 07-282/11:03:47 | 1T |
| 63 | 283 02:15:00 | 32 | 43 AOS | OPCH ACE | | AOS DSS-43 PASS-1038 (D/L ONLY) | | | | | 2DP |
| 64 | 283 02:15:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 65 | 283 02:53:32 | 31 | | | | END MAGCAL | | | 19507:48:001F | 07-282/12:23:47 | 1T |
| 66 | 283 03:06:56 | 31 | | ACE OPCH | | >>>>>> 5 MIN WARNING <<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 1ESF |
| 67 | 283 03:06:56 | 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 |
| 68 | 283 03:11:08 | 31 | | | | END PESCAL | | | 19508:10:001F | 07-282/12:41:23 | 1T |
| 69 | 283 03:11:08 | 31 | | | | B- DRCRUS | | | 19508:10:001F | 07-282/12:41:23 | 1TB |
| 70 | 283 03:11:08 | 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 | | 19508:10:010F | 07-282/12:41:24 | 1ECF |
| 71 | 283 03:11:56 | 31 | | ACE OPCH | | FDS STATUS CR-5T/X160/S10 MEM:PA/FDS11 | FDS | CR-5T | 19508:11:001F | 07-282/12:42:11 | 1ESF |
| 72 | 283 03:11:56 | 31 | | | CC3A | (32310) X-BD TMU STATE CHANGE DRIVER(S) 1 AND 2 ON MOD INDEX=32 DATA RATE=HIGH SUBCARRIER FREQ=22.5KHZ | MDS | | 19508:11:002F | 07-282/12:42:11 | 1ECs |

INTEGRATED SEQUENCE FOR JST A064F JSX B137F WEEK 41 DOY 07-281/00:00 - 07-288/00:00

| 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 |
|---------|----------------------------|-------|-----|------------------|---------|---|--------------|------------|---------------|-----------------|--------------|
| 73 | 283 03:11:57 | 31 | | | | END PMPCALLR | | | 19508:11:018F | 07-282/12:42:12 | 1T |
| 74 | 283 03:54:56 | 31 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 1ESf |
| 75 | 283 03:54:56 | 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 |
| 76 | 283 03:55:44 | 31 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 1ESf |
| 77 | 283 03:55:44 | 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 |
| 78 | 283 03:58:20 | 31 | | | | BEGIN PWSREC.31 | | | 19509:09:001F | 07-282/13:28:35 | 1T |
| 79 | 283 03:59:08 | 31 | | | | B- DRGS4B | | | 19509:10:001F | 07-282/13:29:23 | 1TB |
| 80 | 283 03:59:08 | 31 | | | SC06BB | (03 0 07 0) FDS MODE TO: GS-4B FDS PLS INTEGRATION MODE: N/A PPS SAFING COMMAND : N/A ENGINEERING FORMAT : CRUISE AACS READOUT MODE : TELEMETRY | | | 19509:10:009F | 07-282/13:29:24 | 1ECf |
| 81 | 283 03:59:52 | 31 | | | | BEGIN RECORDING PWS DATA | | | 19509:10:734F | 07-282/13:30:07 | 1T |
| 82 | 283 03:59:52 | 31 | | | CC16C | (3000) DTR STATE SELECT:115.2REC | DTR | | 19509:10:735F | 07-282/13:30:08 | 1ECd |
| 83 | 283 03:59:52 | 31 | | | | DTR STATUS MODE:REC RATE:115.2K DIR:F TRK:5 TIC:2343 | DTR | | 19509:10:735F | 07-282/13:30:08 | 1ESd |
| 84 | 283 03:59:56 | 31 | | ACE OPCH | | FDS STATUS GS-4B/X2.8K/S40 MEM:PA/FDS11 -----> GS-4B NOT RECOVERABLE ----> RETAIN CR-5T CONFIGURATION | FDS | GS-4B | 19509:11:001F | 07-282/13:30:11 | 1ESf |

INTEGRATED SEQUENCE FOR JST A064F JSX B137F WEEK 41 DOY 07-281/00:00 - 07-288/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|----------|---|-----------|---------|---------------|-----------------|-----------|
| 85 | 283 03:59:56 | 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 | | 19509:11:002F | 07-282/13:30:12 | 1ECs |
| 86 | 283 03:59:57 | 31 | | | | B- DRCRUS | | | 19509:11:018F | 07-282/13:30:12 | 1TB |
| 87 | 283 03:59:57 | 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 | | 19509:11:026F | 07-282/13:30:13 | 1ECF |
| 88 | 283 04:00:44 | 31 | | ACE | OPCH | FDS STATUS CR-5T/X160/S10 MEM:PA/FDS11 | FDS | CR-5T | 19509:12:001F | 07-282/13:30:59 | 1ESF |
| 89 | 283 04:00:44 | 31 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 19509:12:002F | 07-282/13:31:00 | 1ECD |
| 90 | 283 04:00:44 | 31 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:F TRK:5 TIC:2636 | DTR | | 19509:12:002F | 07-282/13:31:00 | 1ESd |
| 91 | 283 04:00:44 | 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 | | 19509:12:002F | 07-282/13:31:00 | 1ECs |
| 92 | 283 04:01:33 | 31 | | | | END PWSREC.31 | | | 19509:13:018F | 07-282/13:31:48 | 1T |
| 93 | 283 04:10:00 | 31 | 15 | LOS | OPCH ACE | LOS DSS-15 PASS-1022 | | | | | 1DP |
| 94 | 283 05:22:09 | 31 | 10 | SET | | 10.2 DEGREE SET DSC-10 | | | | | 1V |
| 95 | 283 09:40:00 | 32 | 43 | LOS | OPCH ACE | LOS DSS-43 PASS-1038 | | | | | 2DP |
| 96 | 283 09:49:12 | 32 | | | AC7SSB | (4 +184) SS BIAS CONTROL --- YAW | AACS | | 13375:13:003F | 07-282/22:16:47 | 2ECa |
| 97 | 283 10:19:10 | 31 | 60 | RISE | | 10.2 DEGREE RISE DSC-60 | | | | | 1V |
| 98 | 283 10:26:28 | 31 | 40 | SET | | 10.2 DEGREE SET DSC-40 | | | | | 1V |

INTEGRATED SEQUENCE FOR JST A064F JSX B137F WEEK 41 DOY 07-281/00:00 - 07-288/00:00

| 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 |
|---------|-------------------------|-------|-----|---------------|----------|----------------------------------|-----------|---------|---------------|-----------------|-----------|
| 99 | 283 12:00:00 | 31 | | | | VGR-31 OWLT IS 14H 29M 48S | | | | | 1L |
| 100 | 283 12:00:00 | 32 | | | | VGR-32 OWLT IS 11H 38M 31S | | | | | 2L |
| 101 | 283 17:00:14 | 32 | 40 | SET | | 10.2 DEGREE SET DSC-40 | | | | | 2V |
| 102 | 283 17:51:48 | 31 | 10 | RISE | | 10.2 DEGREE RISE DSC-10 | | | | | 1V |
| 103 | 283 21:27:33 | 31 | 60 | SET | | 14.9 DEGREE SET DSC-60 | | | | | 1V |
| 104 | 283 22:35:00 | 31 | 15 | AOS | OPCH ACE | AOS DSS-15 PASS-1023 (D/L ONLY) | | | | | 1DP |
| 105 | 283 22:35:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 106 | 284 00:00:00 | 31 | | | | VGR-31 OWLT IS 14H 29M 53S | | | | | 1L |
| 107 | 284 00:00:00 | 32 | | | | VGR-32 OWLT IS 11H 38M 37S | | | | | 2L |
| 108 | 284 00:00:00 | 32 | 43 | AOS | OPCH ACE | AOS DSS-43 PASS-1039 (D/L ONLY) | | | | | 2DP |
| 109 | 284 00:00:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 110 | 284 00:05:02 | 32 | 40 | RISE | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 111 | 284 01:18:28 | 31 | 40 | RISE | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |
| 112 | 284 02:55:00 | 31 | 15 | LOS | OPCH ACE | LOS DSS-15 PASS-1023 | | | | | 1DP |
| 113 | 284 05:18:14 | 31 | 10 | SET | | 10.2 DEGREE SET DSC-10 | | | | | 1V |
| 114 | 284 10:15:16 | 31 | 60 | RISE | | 10.2 DEGREE RISE DSC-60 | | | | | 1V |
| 115 | 284 10:22:34 | 31 | 40 | SET | | 10.2 DEGREE SET DSC-40 | | | | | 1V |
| 116 | 284 10:40:10 | 31 | | | AC7SSB | (4 +148) SS BIAS CONTROL --- YAW | AACS | | 19547:31:003F | 07-283/20:10:12 | 1ECa |
| 117 | 284 11:30:00 | 32 | 43 | LOS | OPCH ACE | LOS DSS-43 PASS-1039 | | | | | 2DP |
| 118 | 284 12:00:00 | 31 | | | | VGR-31 OWLT IS 14H 29M 58S | | | | | 1L |
| 119 | 284 12:00:00 | 32 | | | | VGR-32 OWLT IS 11H 38M 43S | | | | | 2L |
| 120 | 284 16:15:00 | 31 | 63 | AOS | OPCH ACE | AOS DSS-63 PASS-1023 (U/L PASS) | | | | | 1DP |

INTEGRATED SEQUENCE FOR JST A064F JSX B137F WEEK 41 DOY 07-281/00:00 - 07-288/00:00

| ITEM NO | TRM-OR-ERT DOY-HH:MM:SS | SC ID | DSN | ACTION BY>>TO | COMMAND | EVENT-DESCRIPTION | S/C SBSYS | TLM FMT | FDS-COUNT | SCE-TIME | SORT CODE |
|---------|-------------------------|-------|--------|---------------|---------|---------------------------------|-----------|---------|-----------|----------|-----------|
| 121 | 284 16:56:16 | 32 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 2V |
| 122 | 284 17:47:55 | 31 | 10RISE | | | 10.2 DEGREE RISE DSC-10 | | | | | 1V |
| 123 | 284 21:20:00 | 31 | 63 LOS | OPCH ACE | | LOS DSS-63 PASS-1023 | | | | | 1DP |
| 124 | 284 21:23:40 | 31 | 60 SET | | | 14.8 DEGREE SET DSC-60 | | | | | 1V |
| 125 | 284 23:55:00 | 32 | 43 AOS | OPCH ACE | | AOS DSS-43 PASS-1040 (D/L ONLY) | | | | | 2DP |
| 126 | 284 23:55:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 127 | 285 00:00:00 | 31 | | | | VGR-31 OWLT IS 14H 30M 04S | | | | | 1L |
| 128 | 285 00:00:00 | 32 | | | | VGR-32 OWLT IS 11H 38M 49S | | | | | 2L |
| 129 | 285 00:01:08 | 32 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 130 | 285 01:14:32 | 31 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |
| 131 | 285 01:55:00 | 31 | 15 AOS | OPCH ACE | | AOS DSS-15 PASS-1024 (D/L ONLY) | | | | | 1DP |
| 132 | 285 01:55:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 133 | 285 04:05:00 | 31 | 15 LOS | OPCH ACE | | LOS DSS-15 PASS-1024 | | | | | 1DP |
| 134 | 285 04:05:00 | 31 | 14 AOS | OPCH ACE | | AOS DSS-14 PASS-1024 (D/L ONLY) | | | | | 1DP |
| 135 | 285 04:05:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 136 | 285 05:05:00 | 31 | 14 LOS | OPCH ACE | | LOS DSS-14 PASS-1024 | | | | | 1DP |
| 137 | 285 05:14:18 | 31 | 10 SET | | | 10.2 DEGREE SET DSC-10 | | | | | 1V |
| 138 | 285 10:11:23 | 31 | 60RISE | | | 10.2 DEGREE RISE DSC-60 | | | | | 1V |
| 139 | 285 10:18:41 | 31 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 1V |
| 140 | 285 10:25:00 | 32 | 43 LOS | OPCH ACE | | LOS DSS-43 PASS-1040 | | | | | 2DP |
| 141 | 285 12:00:00 | 31 | | | | VGR-31 OWLT IS 14H 30M 09S | | | | | 1L |
| 142 | 285 12:00:00 | 32 | | | | VGR-32 OWLT IS 11H 38M 55S | | | | | 2L |

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|--|-----------|---------|---------------|-----------------|-----------|
| 143 | 285 16:52:18 | 32 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 2V |
| 144 | 285 17:44:01 | 31 | 10RISE | | | 10.2 DEGREE RISE DSC-10 | | | | | 1V |
| 145 | 285 21:19:47 | 31 | 60 SET | | | 14.8 DEGREE SET DSC-60 | | | | | 1V |
| 146 | 285 23:45:00 | 32 | 43 AOS | OPCH ACE | | AOS DSS-43 PASS-1041 (U/L PASS) XMTR ON PER TELECOM MESSAGE | | | | | 2DP |
| 147 | 285 23:50:00 | 31 | 14 AOS | OPCH ACE | | AOS DSS-14 PASS-1025 (D/L ONLY) | | | | | 1DP |
| 148 | 285 23:50:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 149 | 285 23:57:14 | 32 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 150 | 286 00:00:00 | 31 | | | | VGR-31 OWLT IS 14H 30M 14S | | | | | 1L |
| 151 | 286 00:00:00 | 32 | | | | VGR-32 OWLT IS 11H 39M 00S | | | | | 2L |
| 152 | 286 01:10:37 | 31 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |
| 153 | 286 05:05:00 | 31 | 14 LOS | OPCH ACE | | LOS DSS-14 PASS-1025 | | | | | 1DP |
| 154 | 286 05:10:23 | 31 | 10 SET | | | 10.2 DEGREE SET DSC-10 | | | | | 1V |
| 155 | 286 06:58:05 | 31 | | | CC16C | (2211) DTR STATE SELECT: SLEW | DTR | | 19602:53:002F | 07-285/16:27:48 | 1ECd |
| 156 | 286 06:58:05 | 31 | | | | DTR STATUS MODE:SLEW RATE:007.2K DIR:F TRK:1 TIC:2642 | DTR | | 19602:53:002F | 07-285/16:27:48 | 1ESd |
| 157 | 286 06:58:33 | 31 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 19602:53:472F | 07-285/16:28:16 | 1ECd |
| 158 | 286 06:58:33 | 31 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:F TRK:1 TIC:2653 | DTR | | 19602:53:472F | 07-285/16:28:16 | 1ESd |
| 159 | 286 09:55:31 | 31 | | ACE OPCH | | >>>>>>> 5 MIN WARNING <<<<<<<<<< FOR FDS MODE OR FDS STATUS CHG | | | | | 1ESf |

INTEGRATED SEQUENCE FOR JST A064F JSX B137F WEEK 41 DOY 07-281/00:00 - 07-288/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 173 | 286 10:00:31 | 31 | | ACE OPCH | | FDS STATUS GS-4B/X2.8K/S40 MEM:PA/FDS11 -----> GS-4B NOT RECOVERABLE ----> RETAIN CR-5T CONFIGURATION | FDS | GS-4B | 19606:41:001F | 07-285/19:30:11 | 1ESf |
| 174 | 286 10:00:31 | 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 | | 19606:41:002F | 07-285/19:30:12 | 1ECs |
| 175 | 286 10:00:32 | 31 | | | | B- DRCRUS | | | 19606:41:018F | 07-285/19:30:12 | 1TB |
| 176 | 286 10:00:32 | 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 | | 19606:41:026F | 07-285/19:30:13 | 1ECf |
| 177 | 286 10:01:19 | 31 | | ACE OPCH | | FDS STATUS CR-5T/X160/S10 MEM:PA/FDS11 | FDS | CR-5T | 19606:42:001F | 07-285/19:30:59 | 1ESf |
| 178 | 286 10:01:19 | 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 | | 19606:42:002F | 07-285/19:31:00 | 1ECs |
| 179 | 286 10:01:19 | 31 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 19606:42:002F | 07-285/19:31:00 | 1ECd |
| 180 | 286 10:01:19 | 31 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:F TRK:7 TIC:2945 | DTR | | 19606:42:002F | 07-285/19:31:00 | 1ESd |
| 181 | 286 10:02:08 | 31 | | | | END PWSREC.31 | | | 19606:43:018F | 07-285/19:31:48 | 1T |
| 182 | 286 10:07:29 | 31 | 60RISE | | | 10.2 DEGREE RISE DSC-60 | | | | | 1V |
| 183 | 286 10:14:47 | 31 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 1V |

INTEGRATED SEQUENCE FOR JST A064F JSX B137F WEEK 41 DOY 07-281/00:00 - 07-288/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|---|-----------|---------|---------------|-----------------|-----------|
| 184 | 286 11:25:00 | 32 | 43 LOS | OPCH ACE | | LOS DSS-43 PASS-1041 | | | | | 2DP |
| 185 | 286 12:00:00 | 31 | | | | VGR-31 OWLT IS 14H 30M 20S | | | | | 1L |
| 186 | 286 12:00:00 | 32 | | | | VGR-32 OWLT IS 11H 39M 06S | | | | | 2L |
| 187 | 286 12:07:44 | 31 | | | CC16C | (2221) DTR STATE SELECT: SLEW | DTR | | 19609:20:002F | 07-285/21:37:24 | 1ECd |
| 188 | 286 12:07:44 | 31 | | | | DTR STATUS MODE:SLEW RATE:007.2K DIR:R TRK:1 TIC:2952 | DTR | | 19609:20:002F | 07-285/21:37:24 | 1ESd |
| 189 | 286 12:22:03 | 31 | | | CC16C | (7000) DTR STATE SELECT: READY | DTR | | 19609:37:722F | 07-285/21:51:43 | 1ECd |
| 190 | 286 12:22:03 | 31 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:R TRK:1 TIC:2642 | DTR | | 19609:37:722F | 07-285/21:51:43 | 1ESd |
| 191 | 286 15:07:45 | 31 | | | CC16C | (7015) DTR STATE SELECT: READY | DTR | | 19613:05:002F | 07-286/00:37:24 | 1ECd |
| 192 | 286 15:07:45 | 31 | | | | DTR STATUS MODE:RDY RATE:000.0K DIR:F TRK:5 TIC:2642 | DTR | | 19613:05:002F | 07-286/00:37:24 | 1ESd |
| 193 | 286 15:20:00 | 31 | 65 AOS | OPCH ACE | | AOS DSS-65 PASS-1025 (D/L ONLY) | | | | | 1DP |
| 194 | 286 15:20:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 195 | 286 16:48:20 | 32 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 2V |
| 196 | 286 17:40:07 | 31 | 10RISE | | | 10.2 DEGREE RISE DSC-10 | | | | | 1V |
| 197 | 286 19:55:00 | 31 | 65 LOS | OPCH ACE | | LOS DSS-65 PASS-1025 | | | | | 1DP |
| 198 | 286 21:15:53 | 31 | 60 SET | | | 14.8 DEGREE SET DSC-60 | | | | | 1V |
| 199 | 286 23:30:00 | 31 | 25 AOS | OPCH ACE | | AOS DSS-25 PASS-1026 (D/L ONLY) | | | | | 1DP |

INTEGRATED SEQUENCE FOR JST A064F JSX B137F WEEK 41 DOY 07-281/00:00 - 07-288/00:00

| 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 |
|---------|-------------------------|-------|--------|---------------|---------|---------------------------------|-----------|---------|-----------|----------|-----------|
| 200 | 286 23:30:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 201 | 286 23:53:21 | 32 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 202 | 287 00:00:00 | 31 | | | | VGR-31 OWLT IS 14H 30M 25S | | | | | 1L |
| 203 | 287 00:00:00 | 32 | | | | VGR-32 OWLT IS 11H 39M 12S | | | | | 2L |
| 204 | 287 01:06:41 | 31 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 1V |
| 205 | 287 01:55:00 | 32 | 43 AOS | OPCH ACE | | AOS DSS-43 PASS-1042 (D/L ONLY) | | | | | 2DP |
| 206 | 287 01:55:00 | 32 | | | | CFG CODES | | | | | 2DP |
| 207 | 287 02:40:00 | 31 | 25 LOS | OPCH ACE | | LOS DSS-25 PASS-1026 | | | | | 1DP |
| 208 | 287 05:06:28 | 31 | 10 SET | | | 10.2 DEGREE SET DSC-10 | | | | | 1V |
| 209 | 287 10:03:36 | 31 | 60RISE | | | 10.2 DEGREE RISE DSC-60 | | | | | 1V |
| 210 | 287 10:10:54 | 31 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 1V |
| 211 | 287 12:00:00 | 31 | | | | VGR-31 OWLT IS 14H 30M 30S | | | | | 1L |
| 212 | 287 12:00:00 | 32 | | | | VGR-32 OWLT IS 11H 39M 18S | | | | | 2L |
| 213 | 287 14:00:00 | 32 | 43 LOS | OPCH ACE | | LOS DSS-43 PASS-1042 | | | | | 2DP |
| 214 | 287 16:44:22 | 32 | 40 SET | | | 10.2 DEGREE SET DSC-40 | | | | | 2V |
| 215 | 287 17:36:14 | 31 | 10RISE | | | 10.2 DEGREE RISE DSC-10 | | | | | 1V |
| 216 | 287 21:12:01 | 31 | 60 SET | | | 14.8 DEGREE SET DSC-60 | | | | | 1V |
| 217 | 287 21:30:00 | 31 | 26 AOS | OPCH ACE | | AOS DSS-26 PASS-1027 (D/L ONLY) | | | | | 1DP |
| 218 | 287 21:30:00 | 31 | | | | CFG CODES | | | | | 1DP |
| 219 | 287 23:49:27 | 32 | 40RISE | | | 10.2 DEGREE RISE DSC-40 | | | | | 2V |
| 220 | 288 00:00:00 | 31 | | | | VGR-31 OWLT IS 14H 30M 35S | | | | | 1L |
| 221 | 288 00:00:00 | 32 | | | | VGR-32 OWLT IS 11H 39M 24S | | | | | 2L |