

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: July 16, 2014

For the Period: 07/17/14 to 08/04/14 (14-198 – 14-216)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

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SCIENCE

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 *Leonard.F.Burlaga@nasa.gov
 *Donald-Gurnett@uiowa.edu

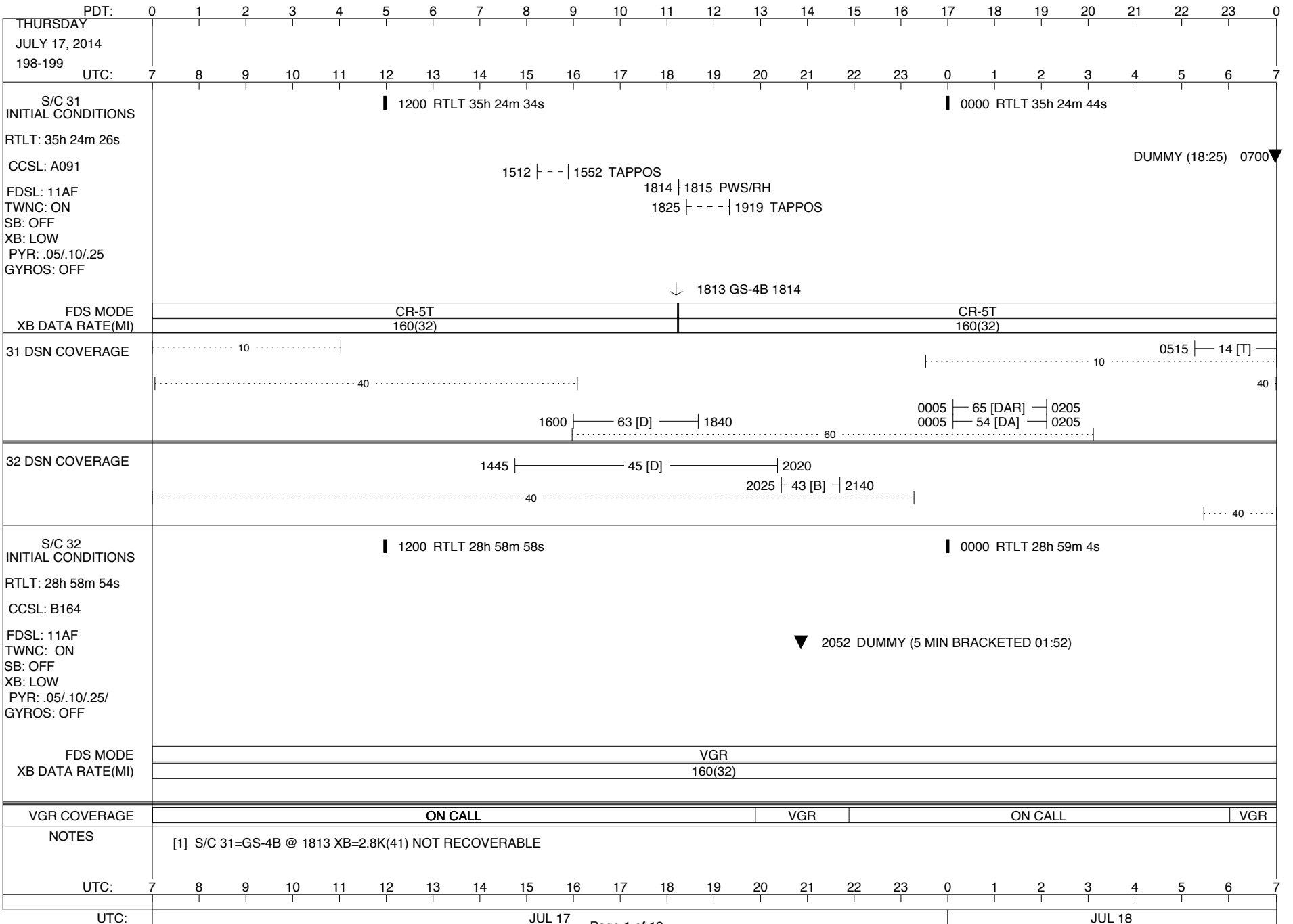
FLIGHT TEAM (14) 600-100

Dodd, S.
 Hall, J.
 Howard, S. (3)
 Ludwig, R. (2)
 Matsumoto, S.
 Medina
 Peralta, F.
 Weeks, T.
 Wong, R.
 Yang, L.
 Zottarelli, L.
 *odivers@san.rr.com

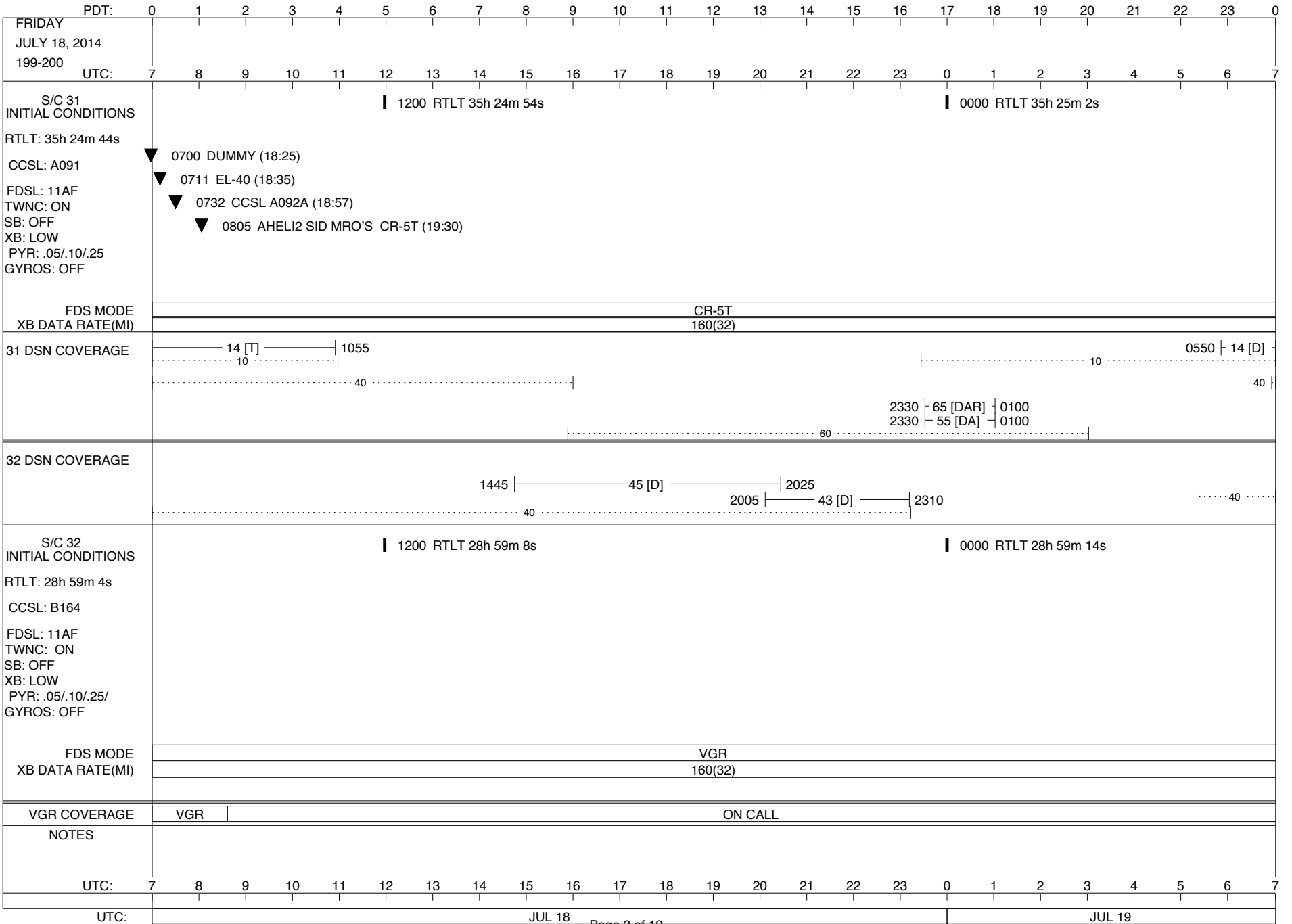
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U = Uplink only pass
 [o] = Ramp-through

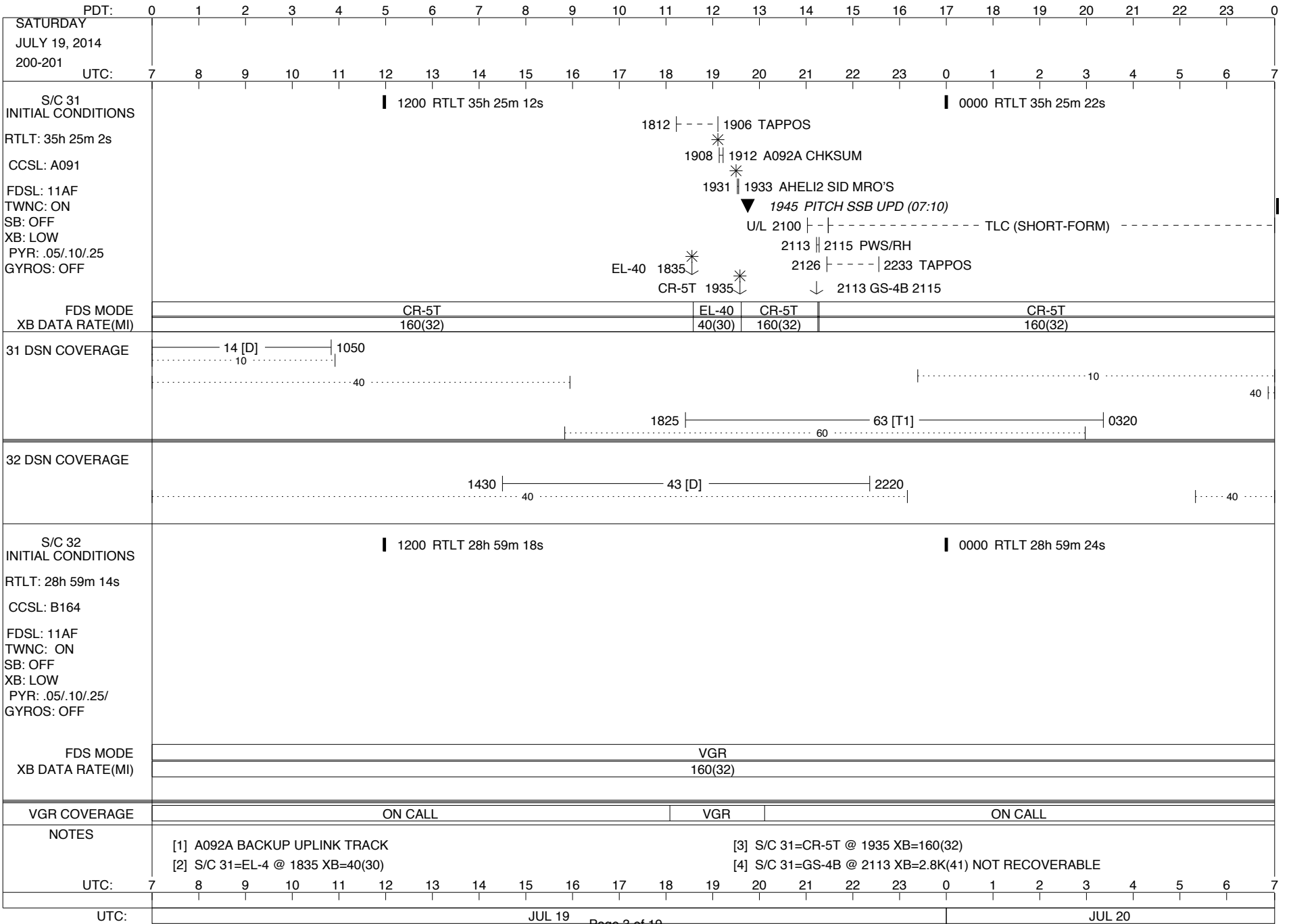
*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10

ISSUE DATE: 07/16/14 19:21

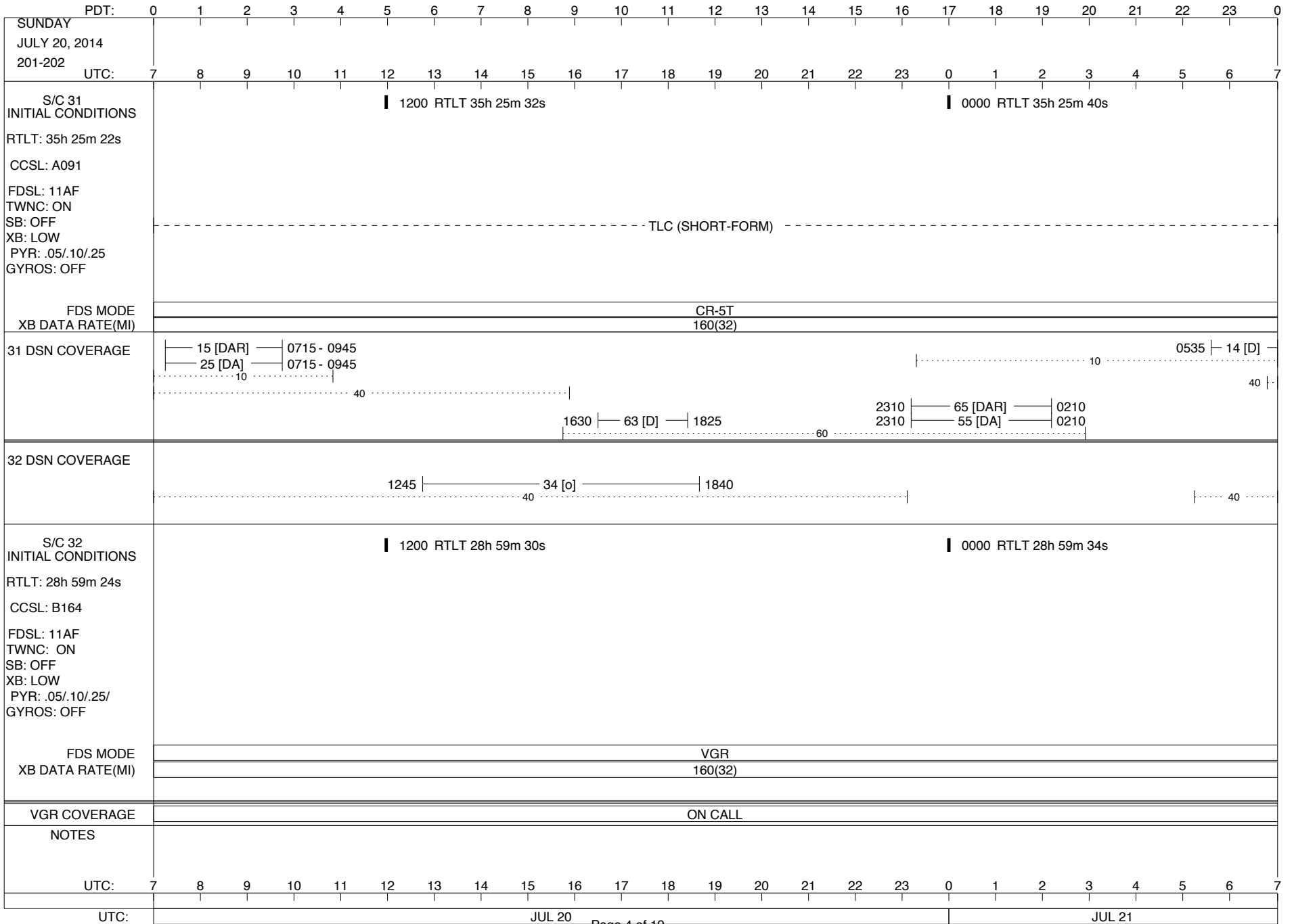


ISSUE DATE: 07/16/14 19:21

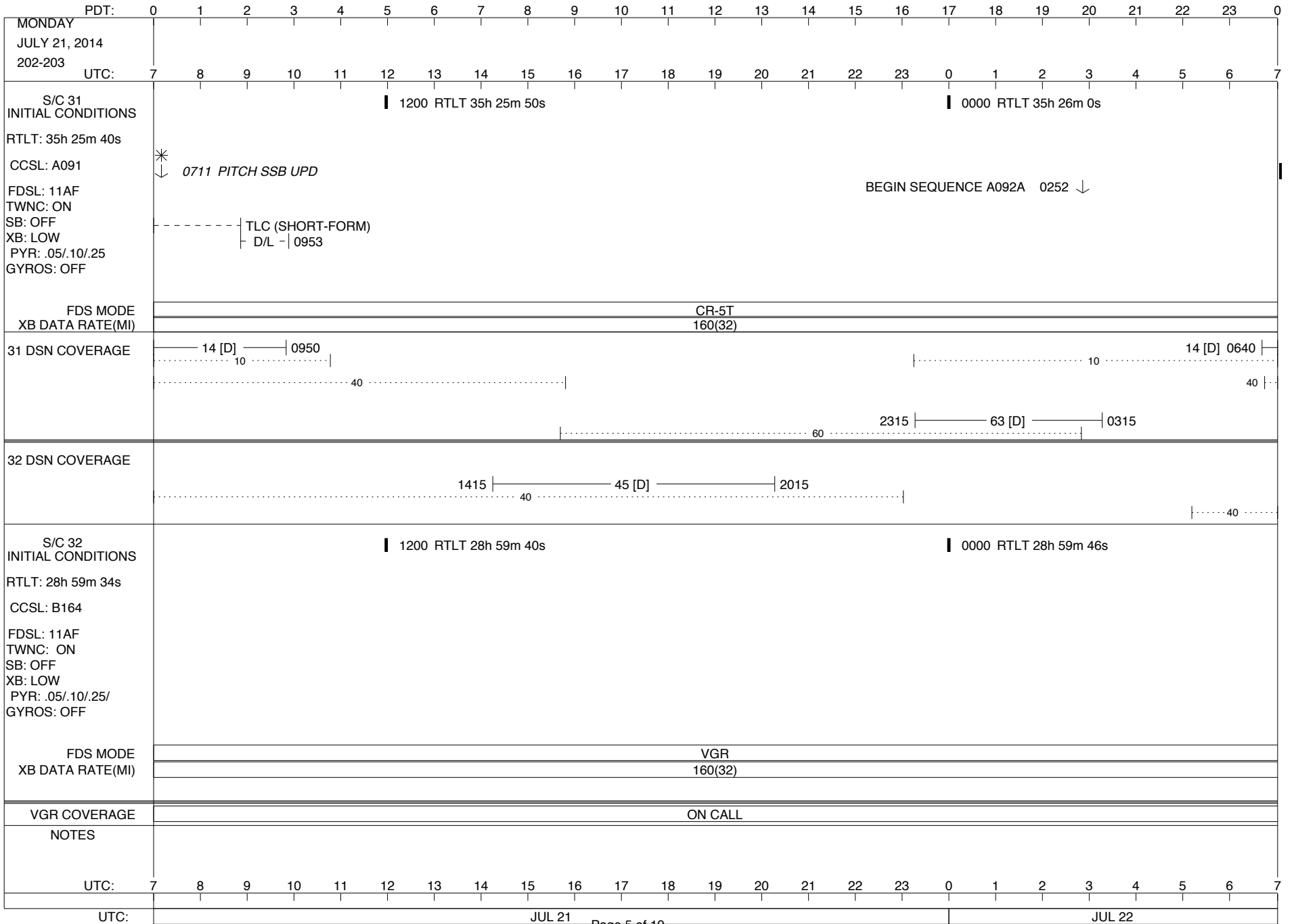




ISSUE DATE: 07/16/14 19:21



ISSUE DATE: 07/16/14 19:21



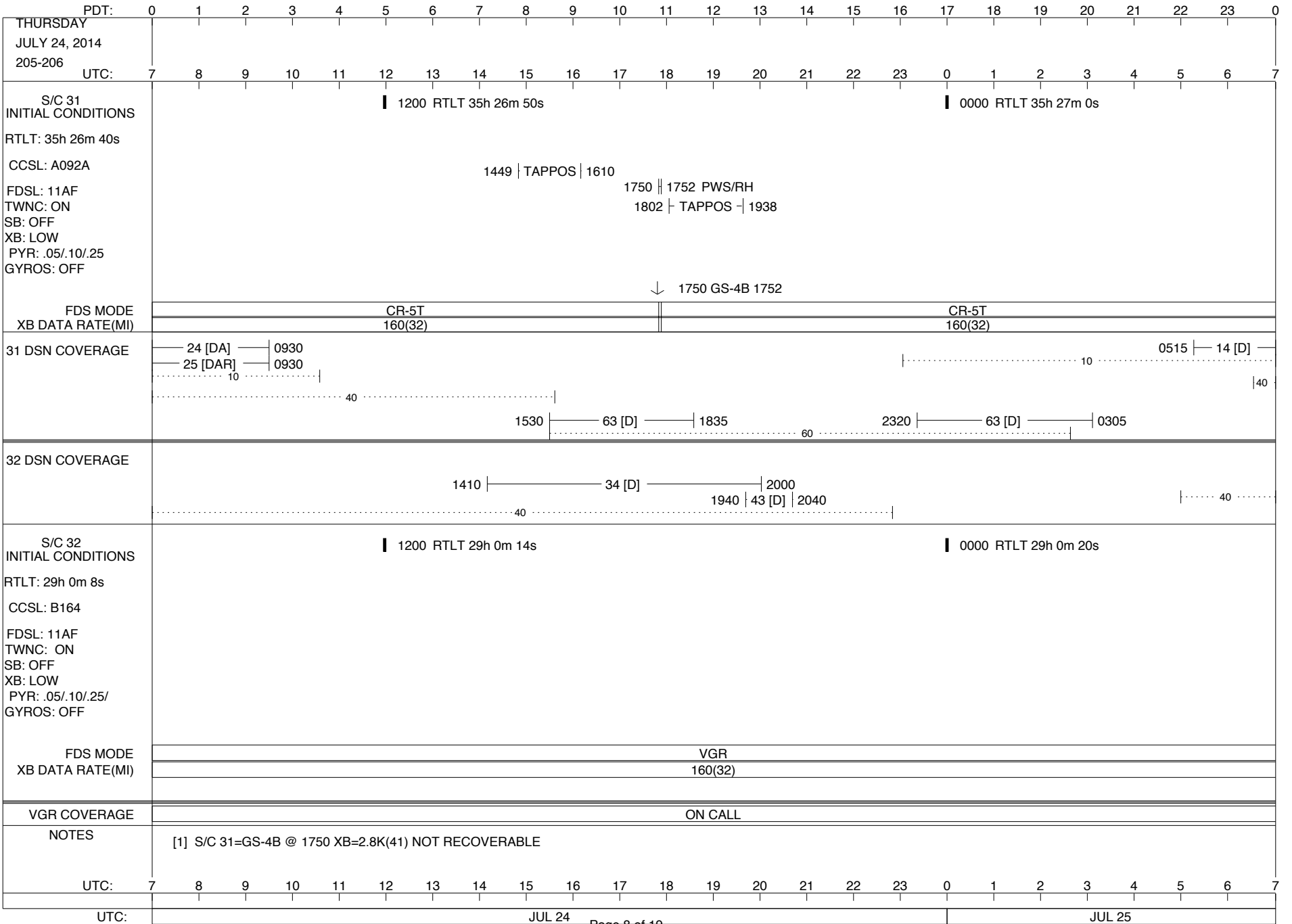
ISSUE DATE: 07/16/14 19:21

| PDT: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | | | |
|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|-----------------------|----|----|----|----|----|----|---------|----|----|---|--|--|--|
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| TUESDAY JULY 22, 2014 203-204 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 31 INITIAL CONDITIONS RTLTL: 35h 26m 0s CCSL: A092A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLT 35h 26m 10s | | | | | | | | | | | | | | 0000 RTLT 35h 26m 20s | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | | |
| 31 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 28h 59m 46s CCSL: B164 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF | 1200 RTLT 28h 59m 50s | | | | | | | | | | | | | | 0000 RTLT 28h 59m 56s | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | VGR 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | | | VGR | | | | | | | ON CALL | | | | | | |
| NOTES | [1] S/C 31=GS-4B @ 1137 XB=2.8K(41) NOT RECOVERABLE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| UTC: | JUL 22 | | | | | | | | | | | | | | JUL 23 | | | | | | | | | | | | | |

ISSUE DATE: 07/16/14 19:21

| PDT: | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | | | |
|------------------------------|--|-----------------------|---|---|----|----|----|----|----|----|----|----|----|----|----|-----------------------|----|----|----|----|----|----|---------|----|----|---|--|--|--|
| WEDNESDAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JULY 23, 2014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 204-205 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| S/C 31 INITIAL CONDITIONS | | 1200 RTLT 35h 26m 30s | | | | | | | | | | | | | | 0000 RTLT 35h 26m 40s | | | | | | | | | | | | | |
| RTLT: 35h 26m 20s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: A092A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TWNC: ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB: LOW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PYR: .05/.10/.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GYROS: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE | | CR-5T | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS | | 1200 RTLT 29h 0m 2s | | | | | | | | | | | | | | 0000 RTLT 29h 0m 8s | | | | | | | | | | | | | |
| RTLT: 28h 59m 56s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: B164 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TWNC: ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB: LOW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PYR: .05/.10/.25/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GYROS: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE | | VGR | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | | ON CALL | | | | | | | | | | | | | | VGR | | | | | | | ON CALL | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| UTC: | | JUL 23 | | | | | | | | | | | | | | | | | | | | | JUL 24 | | | | | | |

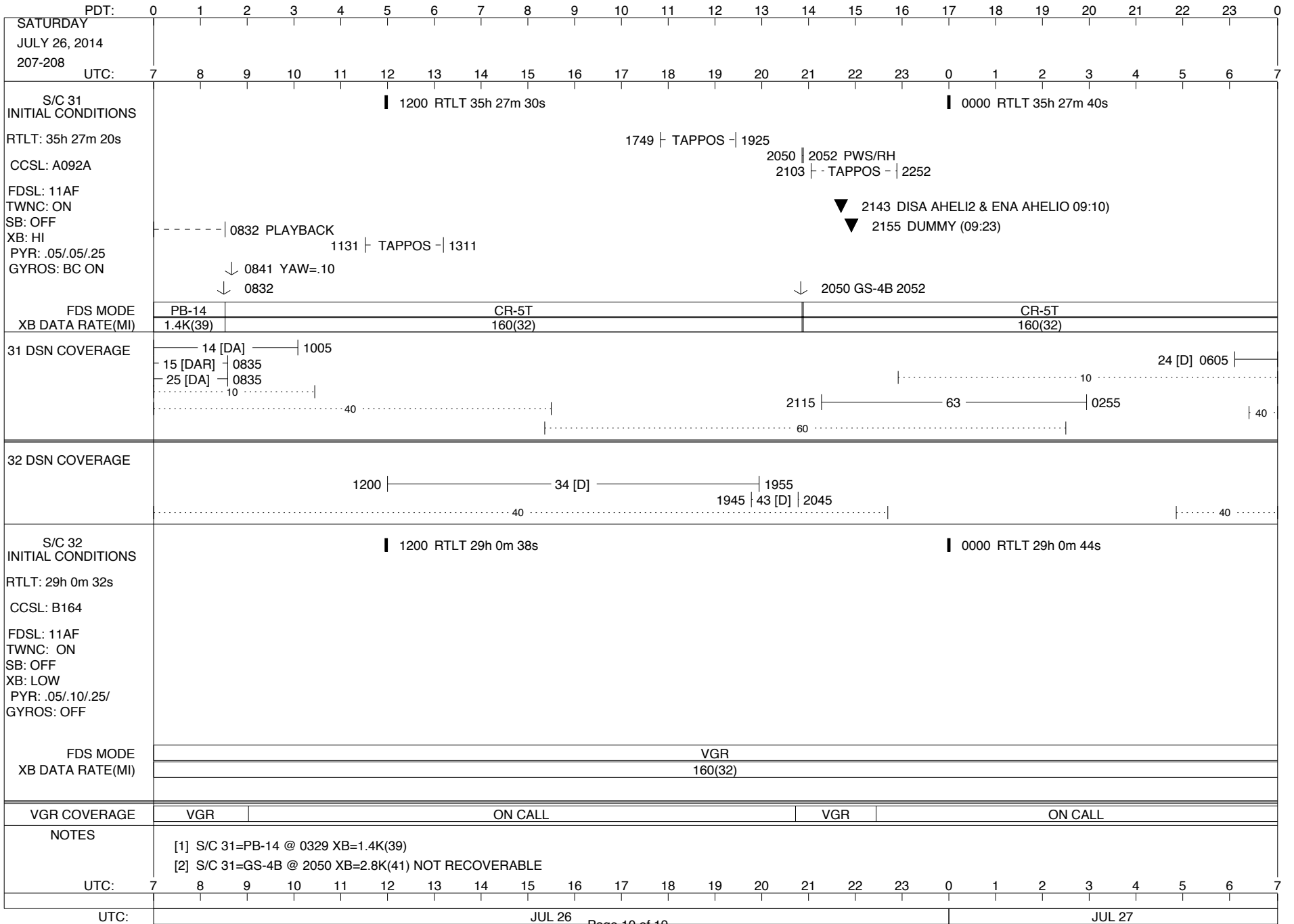
ISSUE DATE: 07/16/14 19:21



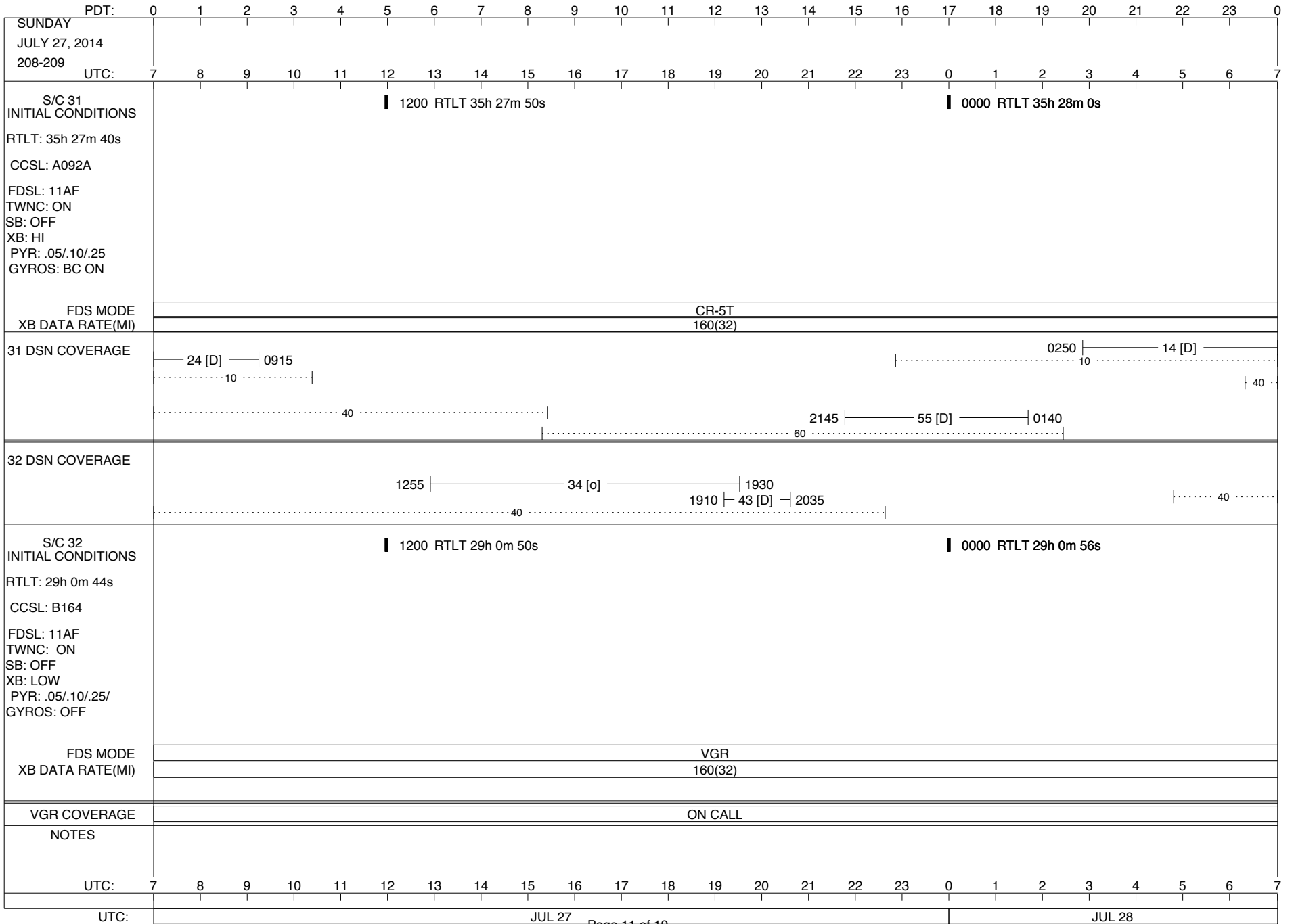
ISSUE DATE: 07/16/14 19:21

| | |
|---|---|
| PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 | |
| FRIDAY JULY 25, 2014 206-207 | |
| UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 | |
| S/C 31 INITIAL CONDITIONS RTLT: 35h 27m 0s CCSL: A092A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | <p>1200 RTLT 35h 27m 10s</p> <p>0000 RTLT 35h 27m 20s</p> <p>2227 - TAPPOS - 0018</p> <p>↓ 0307 BAY 1 HTR OFF</p> <p>GYROS BC ON 0044 ↓</p> <p>↓ 0311 X/B HI POWER</p> <p>GYRO INIT 0045 ↓</p> <p>↓ 0319 YAW=.05</p> <p>GYRO FAULT TEST 0054 ↓</p> <p>0329 - - - - PLAYBACK - - - -</p> <p>CCSTIMB FINE 0144 0156</p> <p>↓ 0329</p> |
| FDS MODE | CR-5T |
| XB DATA RATE(MI) | 160(32) |
| | PB-14 |
| | 1.4K(39) |
| 31 DSN COVERAGE | <p>14 [D] 1025</p> <p>10 </p> <p>40 </p> <p>2310 63 [D] 0255</p> <p>60 </p> <p>10 </p> <p>40 </p> |
| 32 DSN COVERAGE | <p>1230 45 [D] 2000</p> <p>40 </p> <p>40 </p> |
| S/C 32 INITIAL CONDITIONS RTLT: 29h 0m 20s CCSL: B164 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF | <p>1200 RTLT 29h 0m 26s</p> <p>0000 RTLT 29h 0m 32s</p> |
| FDS MODE | VGR |
| XB DATA RATE(MI) | 160(32) |
| VGR COVERAGE | ON CALL |
| | VGR |
| NOTES | |
| UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 | |
| UTC: JUL 25 JUL 26 | |

ISSUE DATE: 07/16/14 19:21



ISSUE DATE: 07/16/14 19:21



ISSUE DATE: 07/16/14 19:21

| PDT: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 |
|--|-----------------------|---|---|----|----|----|----|----|----|----|----------------------|----|---|----|----|----|----|----|----|----|----|----|----|----|---|
| MONDAY JULY 28, 2014 209-210 | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| S/C 31 INITIAL CONDITIONS RTLT: 35h 28m 0s CCSL: A092A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON | 1200 RTLT 35h 28m 10s | | | | | | | | | | | | 0000 RTLT 35h 28m 20s | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | U/L 2320 - ----- TLC (SHORT-FORM) ----- | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | 14 [D] 1015 | | | | | | | | | | 14 [D] 0635 | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | 10 | | | | | | | | | | | | | | |
| | 40 | | | | | | | | | | 40 | | | | | | | | | | | | | | |
| | | | | | | | | | | | 2255 63 [T] 0245 | | | | | | | | | | | | | | |
| | | | | | | | | | | | 60 | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | 1400 45 [D] 1530 | | | | | | | | | | 1745 43 [D] 2235 | | | | | | | | | | | | | | |
| | 40 | | | | | | | | | | 40 | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 29h 0m 56s CCSL: B164 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF | 1200 RTLT 29h 1m 2s | | | | | | | | | | | | 0000 RTLT 29h 1m 8s | | | | | | | | | | | | |
| FDS MODE | VGR | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | ON CALL | | | | | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| UTC: | JUL 28 | | | | | | | | | | | | JUL 29 | | | | | | | | | | | | |

ISSUE DATE: 07/16/14 19:21

| PDT: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 |
|---|--|---|---|----|----|----|---------|----|----|----|----|----|--|----|---------|----|----|----|----|----|----|----|----|----|---|
| TUESDAY JULY 29, 2014 210-211 | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| S/C 31 INITIAL CONDITIONS RTLT: 35h 28m 20s CCSL: A092A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON | 1200 RTLT 35h 28m 30s | | | | | | | | | | | | TAPPOS 2156 - - - 2252 0000 RTLT 35h 28m 40s ↓ 2317 ALL DB=.05 ↓ 2333 AAI 2334 - - 0011 ASCAL ↓ 0008 RAI ↓ 0011 CRU ↓ 0019 GYRO FAULT TEST ↓ 0019 YAW=.10 ↓ 0019 ROLL=.25 0101 0102 AHELIO PWSREC 1 ↓ 0145 GYRO INIT 0013 CR-5T ↓ ↓ 0101 GS-4B 0102 | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | CR-5T | | | | | | EL-40 | | CR-5T | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | 160(32) | | | | | | 40(30) | | 160(32) | | | | | | | | | | |
| 31 DSN COVERAGE | 14 [D] 101040 | | | | | | | | | | | |10 | | | | | | | | | | | | |
| |40 | | | | | | | | | | | |2245 63 [D] 024560 | | | | | | | | | | | | |
| 32 DSN COVERAGE | 1020 35 [D1] 14201400 45 [D] 194040 | | | | | | | | | | | |40 | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 29h 1m 8s CCSL: B164 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF | 1200 RTLT 29h 1m 14s | | | | | | | | | | | | 0000 RTLT 29h 1m 20s | | | | | | | | | | | | |
| FDS MODE | VGR | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | VGR | | ON CALL | | | | | | | | | | |
| NOTES | [1] DSS-35 PIT [2] S/C 31=GS-4B @ 1114 XB=2.8K(41) NOT RECOVERABLE [3] S/C 31=EL-40 @ 2302 XB=40(30) | | | | | | | | | | | | [4] S/C 31=D/L /SNR VARIATIONS EXPECTED DURING ASCAL (2334-0011) [5] S/C 31=CR-5T @ 0013 XB=160(32) [6] S/C 31=GS-4B @ 0101 XB=2.8K(41) NOT RECOVERABLE | | | | | | | | | | | | |
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| UTC: | JUL 29 | | | | | | | | | | | | JUL 30 | | | | | | | | | | | | |

ISSUE DATE: 07/16/14 19:21

| PDT: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | | | |
|--|---|---|---|----|----|----|----|-------------------|----|----|----|----|----|----|-----------------------------|----|----|----|----|----|----|-----------------------------|----|----|---|--|--|--|
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| WEDNESDAY JULY 30, 2014 211-212 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 31 INITIAL CONDITIONS RTLTL: 35h 28m 40s CCSL: A092A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON | 1200 RTLT 35h 28m 52s | | | | | | | | | | | | | | 0000 RTLT 35h 29m 2s | | | | | | | | | | | | | |
| | 1021 1022 AHELIO PWSREC 2 | | | | | | | | | | | | | | 1941 1942 AHELIO PWSREC 3 | | | | | | | AHELIO PWSREC 4 0501 0502 | | | | | | |
| | ↓ 1021 GS-4B 1022 | | | | | | | ↓ 1941 GS-4B 1942 | | | | | | | 0501 GS-4B 0502 ↓ | | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | CR-5T | | | | | | | CR-5T | | | | | | | CR-5T | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | 160(32) | | | | | | | 160(32) | | | | | | | 160(32) | | | | | | |
| 31 DSN COVERAGE | 1100 43 [D] 1500 | | | | | | | | | | | | | | 2240 55 [D] 0130 | | | | | | | 25 [D] 0620 | | | | | | |
| 32 DSN COVERAGE | 1420 45 [D] 1905 | | | | | | | | | | | | | | 1845 43 [D] 2140 | | | | | | | 40 | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 29h 1m 20s CCSL: B164 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF | 1200 RTLT 29h 1m 28s | | | | | | | | | | | | | | 0000 RTLT 29h 1m 34s | | | | | | | | | | | | | |
| FDS MODE | VGR | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | [1] S/C 31=GS-4B @ 1021 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=GS-4B @ 1941 XB=2.8K(41) NOT RECOVERABLE [3] S/C 31=GS-4B @ 0501 XB=2.8K(41) NOT RECOVERABLE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| UTC: | JUL 30 | | | | | | | | | | | | | | JUL 31 | | | | | | | | | | | | | |

ISSUE DATE: 07/16/14 19:21

| PDT: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 |
|--|--|---|---|----|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|---|
| THURSDAY JULY 31, 2014 212-213 | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| S/C 31 INITIAL CONDITIONS RTLT: 35h 29m 2s CCSL: A092A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON | █ 1200 RTLT 35h 29m 12s | | | | | | | | | | | | █ 0000 RTLT 35h 29m 22s | | | | | | | | | | | | |
| | 1422 1422 AHELIO PWSREC 5 | | | | | | | | | | | | 2346 2346 AHELIO PWSREC 6 | | | | | | | | | | | | |
| | ↓ 1422 GS-4B 1422 | | | | | | | | | | | | ↓ 2346 GS-4B 2346 | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | CR-5T | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | 160(32) | | | | | | | | | | | | |
| 31 DSN COVERAGE | 25 [D] 0900 10 0840 35 [D1] 1240 40 | | | | | | | | | | | | 0545 25 [D] 10 1600 63 [D] 1955 2215 54 [D] 0125 60 | | | | | | | | | | | | |
| 32 DSN COVERAGE | 1400 34 [D] 1935 40 | | | | | | | | | | | | 1930 43 [B] 2140 40 | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 29h 1m 34s CCSL: B164 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF | █ 1200 RTLT 29h 1m 40s | | | | | | | | | | | | █ 0000 RTLT 29h 1m 46s | | | | | | | | | | | | |
| | | | | | | | | | | | | | ▼ 2002 DUMMY (5 MIN BRACKETED 01:04) | | | | | | | | | | | | |
| FDS MODE | | | | | | | | | | | | | VGR | | | | | | | | | | | | |
| XB DATA RATE(MI) | | | | | | | | | | | | | 160(32) | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | ON CALL | | | | | | | | | | | | |
| NOTES | [1] DSS-35 PIT [2] S/C 31=GS-4B @ 1422 XB=2.8K(41) NOT RECOVERABLE [3] S/C 31=GS-4B @ 2346 XB=2.8K(41) NOT RECOVERABLE | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| UTC: | JUL 31 | | | | | | | | | | | | AUG 01 | | | | | | | | | | | | |

ISSUE DATE: 07/16/14 19:21

| PDT: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 |
|---|---|---|---|----|---------|----|----|----|---------|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|---|
| FRIDAY AUGUST 1, 2014 213-214 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| S/C 31 INITIAL CONDITIONS RTLT: 35h 29m 22s CCSL: A092A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON | 1200 RTLT 35h 29m 32s | | | | | | | | | | | | 0000 RTLT 35h 29m 44s | | | | | | | | | | | | |
| | 0906 0906 AHELIO PWSREC 7 | | | | | | | | | | | | 1826 1827 AHELIO PWSREC 8 | | | | | | | | | | | | |
| | ↓ 0906 GS-4B 0906 | | | | | | | | | | | | ↓ 1826 GS-4B 1827 | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | CR-5T | | | | CR-5T | | | | CR-5T | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | 160(32) | | | | 160(32) | | | | 160(32) | | | | | | | | | | | | |
| 31 DSN COVERAGE | 25 [D] 0855 | | | | | | | | | | | | 0015 14 [DA] | | | | | | | | | | | | |
| | 10 0855 | | | | | | | | | | | | 0115 15 [DA] | | | | | | | | | | | | |
| | 40 | | | | | | | | | | | | 0115 26 [DAR] | | | | | | | | | | | | |
| | 40 | | | | | | | | | | | | 2225 55 [D] 0035 | | | | | | | | | | | | |
| | 60 | | | | | | | | | | | | 40 | | | | | | | | | | | | |
| 32 DSN COVERAGE | 1225 34 [D] | | | | | | | | | | | | 1930 | | | | | | | | | | | | |
| | 40 | | | | | | | | | | | | 1910 43 [D] 2150 | | | | | | | | | | | | |
| | 40 | | | | | | | | | | | | 40 | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 29h 1m 46s CCSL: B164 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF | 1200 RTLT 29h 1m 54s | | | | | | | | | | | | 0000 RTLT 29h 2m 0s | | | | | | | | | | | | |
| FDS MODE | VGR | | | | | | | | | | | | VGR | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | 160(32) | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | VGR | | | | | | | | | | | | |
| NOTES | [1] S/C 31=GS-4B @ 0906 XB=2.8K(41) NOT RECOVERABLE | | | | | | | | | | | | [3] S/C 31=GS-4B @ 0346 XB=2.8K(41) NOT RECOVERABLE | | | | | | | | | | | | |
| | [2] S/C 31=GS-4B @ 1826 XB=2.8K(41) NOT RECOVERABLE | | | | | | | | | | | | [4] S/C 31 D/L AGC VARIATIONS EXPECTED DURING MAGROL (0158-0754) | | | | | | | | | | | | |
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| UTC: | AUG 01 | | | | | | | | | | | | AUG 02 | | | | | | | | | | | | |

ISSUE DATE: 07/16/14 19:21

| PDT: | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | | | |
|--|--|---|---|---|----|----|------------------|----|----|----|----|------------------|----|----|---|----|--------|----|----|----|----|---------|----|----|----|---|--|--|--|
| UTC: | | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| SATURDAY AUGUST 2, 2014 214-215 | | S/C 31 INITIAL CONDITIONS RTLT: 35h 29m 44s CCSL: A092A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON | | | | | | | | | | | | | 1200 RTLT 35h 29m 54s 0000 RTLT 35h 30m 4s | | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | CR-5T 160(32) | | | | | CR-5T 160(32) | | | | | CR-5T 160(32) | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | | 14 [DA] 0845 15 [DA] 0845 26 [DAR] 0845 10 40 2020 60 63 [D] 0225 | | | | | | | | | | | | | 0415 26 [D] 10 40 | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | 1310 40 43 [o] 2115 | | | | | | | | | | | | | 40 | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 29h 2m 0s CCSL: B164 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF | | 1200 RTLT 29h 2m 6s | | | | | | | | | | | | | 0000 RTLT 29h 2m 14s | | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | VGR 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | | VGR | | | | | ON CALL | | | | | | | | | | VGR | | | | | ON CALL | | | | | | | |
| NOTES | | [1] S/C 31=GS-4B @ 1306 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=GS-4B @ 2226 XB=2.8K(41) NOT RECOVERABLE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| UTC: | | AUG 02 | | | | | | | | | | | | | | | AUG 03 | | | | | | | | | | | | |

ISSUE DATE: 07/16/14 19:21

| PDT: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------------------------------|---|---|---|----|----|----|----|------------------------------|----|----|----|----|----|----|------------------------------|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|
| SUNDAY AUGUST 3, 2014 215-216 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | | | | |
| S/C 31 INITIAL CONDITIONS | 1200 RTLT 35h 30m 16s | | | | | | | | | | | | | | 0000 RTLT 35h 30m 26s | | | | | | | | | | | | | | | | | |
| RTLT: 35h 30m 4s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: A092A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF | 0750 0751 AHELIO PWSREC 12 | | | | | | | 1710 1711 AHELIO PWSREC 13 | | | | | | | 0230 0231 AHELIO PWSREC 14 | | | | | | | | | | | | | | | | | |
| TWNC: ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB: HI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PYR: .05/.10/.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GYROS: AC ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | CR-5T | | | | | | | CR-5T | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | 160(32) | | | | | | | 160(32) | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | <p>Timeline for S/C 31 DSN Coverage:</p> <ul style="list-style-type: none"> 0750 GS-4B 0751 (down arrow) 1710 GS-4B 1711 (down arrow) 0230 GS-4B 0231 (down arrow) 26 [D] 0850 (duration 10) 1615 63 [D] 0225 (duration 60) 0525 15 [D] (duration 40) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | <p>Timeline for S/C 32 DSN Coverage:</p> <ul style="list-style-type: none"> 1405 34 [D] 1820 (duration 40) 1800 43 [D] 2210 (duration 40) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS | 1200 RTLT 29h 2m 20s | | | | | | | | | | | | | | 0000 RTLT 29h 2m 28s | | | | | | | | | | | | | | | | | |
| RTLT: 29h 2m 14s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: B164 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TWNC: ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB: LOW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PYR: .05/.10/.25/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GYROS: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE | VGR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | <p>[1] S/C 31=GS-4B @ 0750 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=GS-4B @ 1710 XB=2.8K(41) NOT RECOVERABLE [3] S/C 31=GS-4B @ 0230 XB=2.8K(41) NOT RECOVERABLE</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | | | | |
| UTC: | AUG 03 | | | | | | | | | | | | | | AUG 04 | | | | | | | | | | | | | | | | | |

ISSUE DATE: 07/16/14 19:21

| PDT: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | | |
|---|---|---|---|----|----|----|----|----|----|---------|----|----|----|----|--------|----|----|----|---------|----|----|----|----|----|---|--|--|
| MONDAY AUGUST 4, 2014 216-217 | UTC: 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | |
| S/C 31 INITIAL CONDITIONS RTLT: 35h 30m 26s CCSL: A092A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: AC ON | <p>1200 RTLT 35h 30m 36s</p> <p>↓ 0804 GYRO INIT 1150 1151 AHELIO PWSREC 15</p> <p>2110 2111 AHELIO PWSREC 16</p> <p>2113 - 2140 TAPPOS</p> <p>↓ 1150 GS-4B 1151</p> <p>↓ 2110 GS-4B 2111</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | CR-5T | | | | | | | | | CR-5T | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | 160(32) | | | | | | | | | 160(32) | | | | | | | | |
| 31 DSN COVERAGE | <p>15 [D] 0845</p> <p>..... 10</p> <p>..... 40</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | <p>1355 45 [D] 1915</p> <p>..... 40</p> <p>1855 43 [D] 2140</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 29h 2m 28s CCSL: B164 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF | <p>1200 RTLT 29h 2m 34s</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE | VGR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | <p>[1] S/C 31=GS-4B @ 1150 XB=2.8K(41) NOT RECOVERABLE</p> <p>[2] S/C 31=GS-4B @ 2110 XB=2.8K(41) NOT RECOVERABLE</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | |
| UTC: | AUG 04 | | | | | | | | | | | | | | AUG 05 | | | | | | | | | | | | |