

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: January 11, 2017

For the Period: 01/12/17 to 01/30/17 (17-012 – 17-030)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

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 PWS *wsk@space.physics.uiowa.edu
 *Leonard.F.Burlaga@nasa.gov
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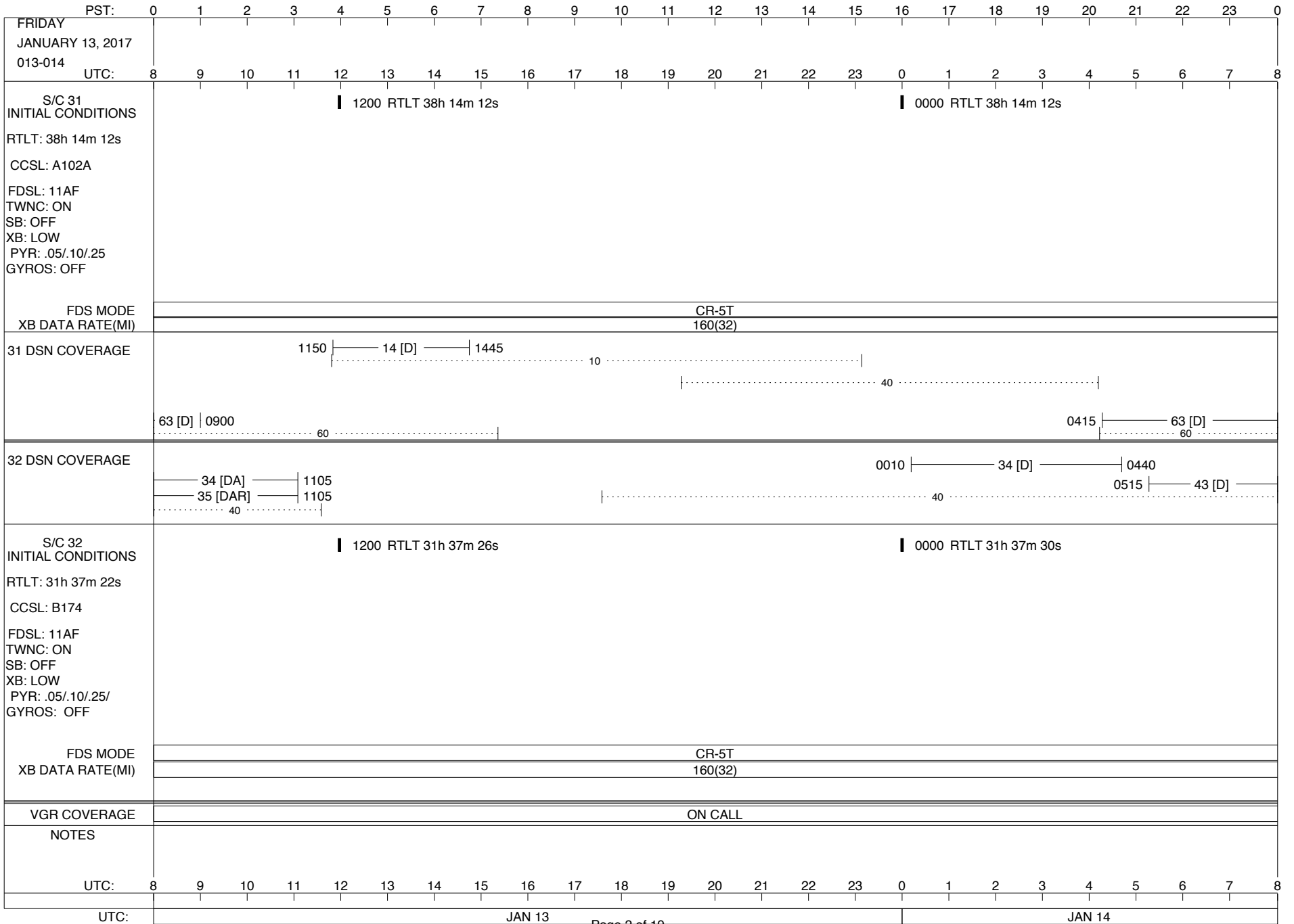
FLIGHT TEAM (14) 600-100

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

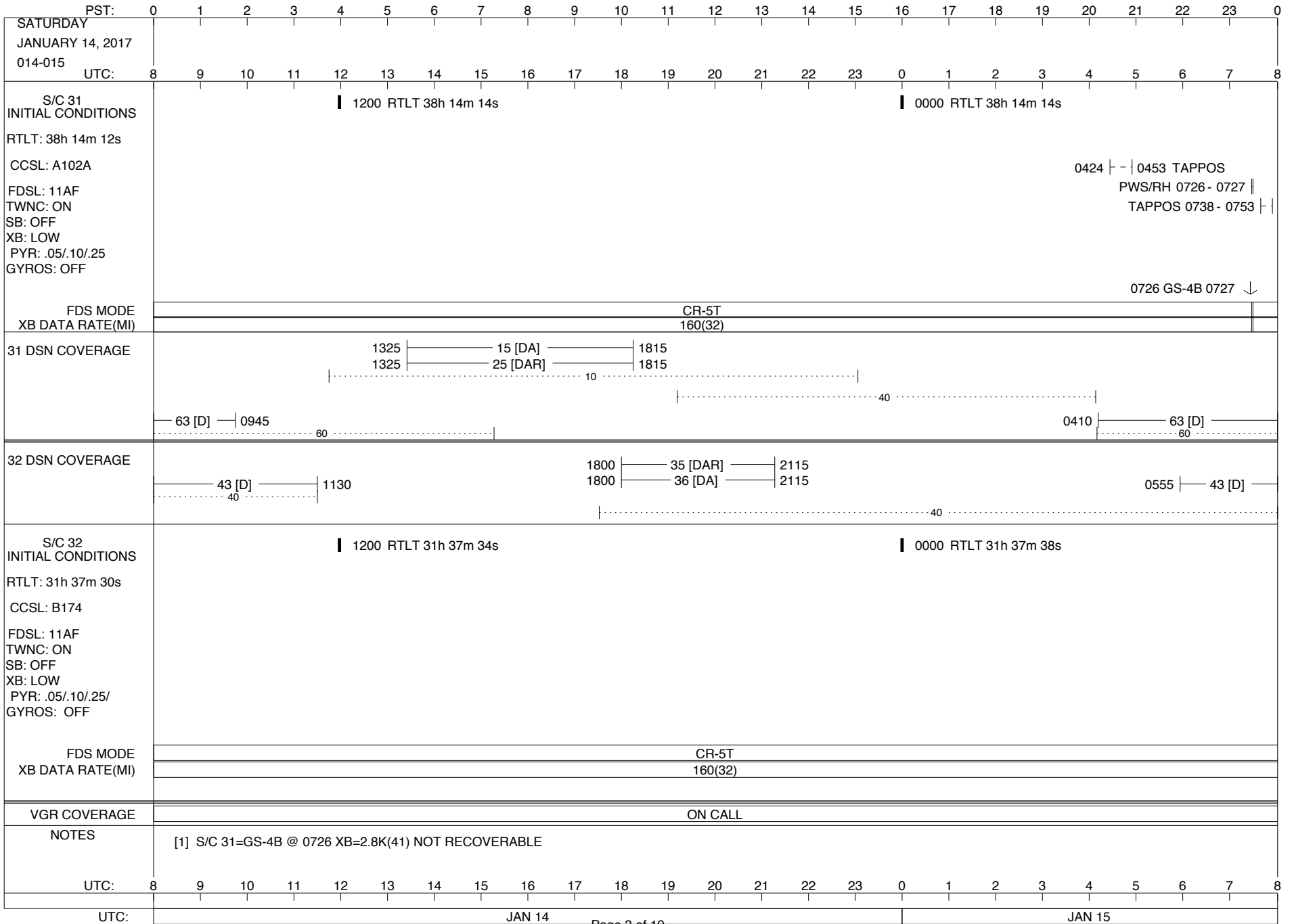
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U =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

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

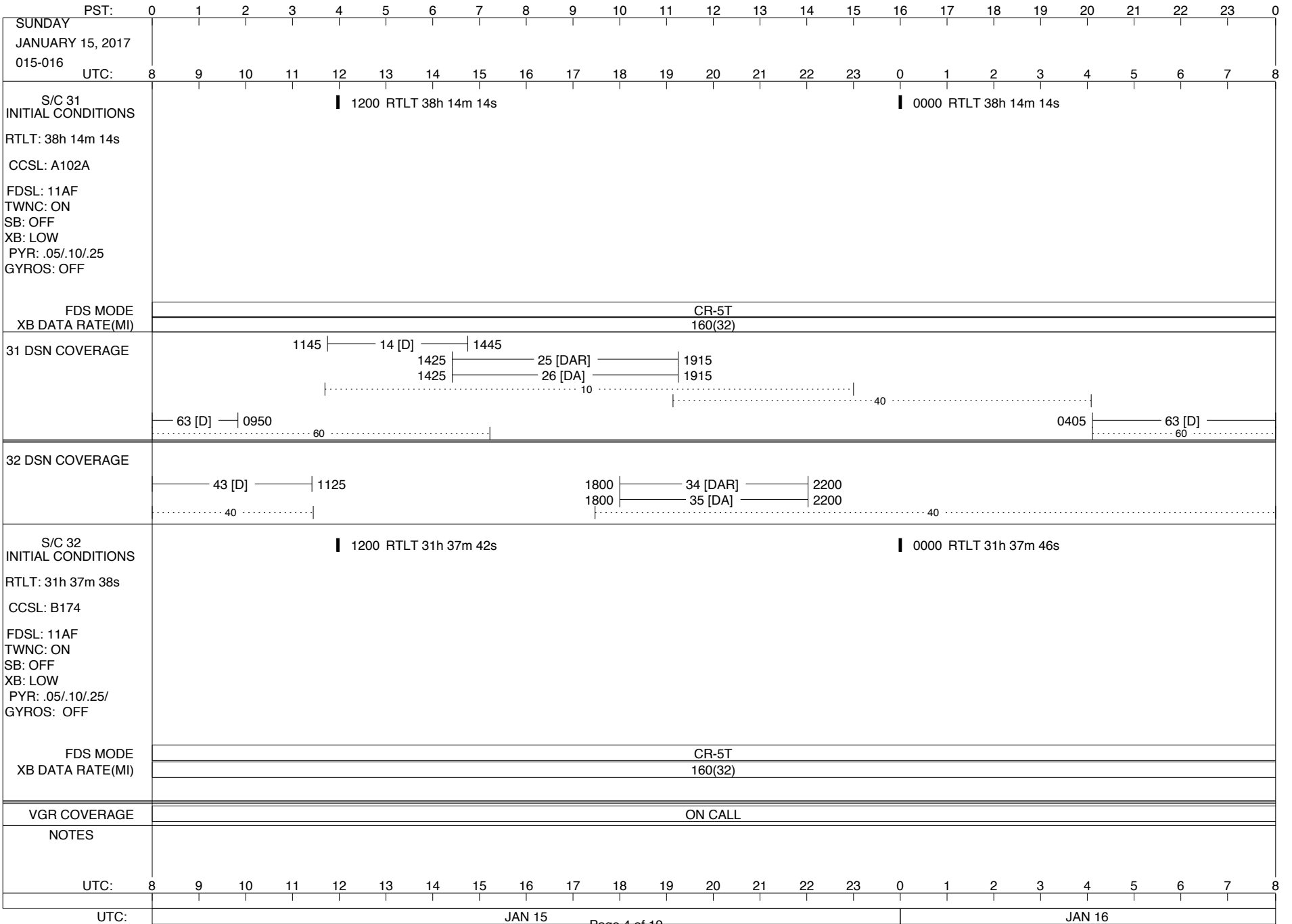
ISSUE DATE: 01/19/17 07:10



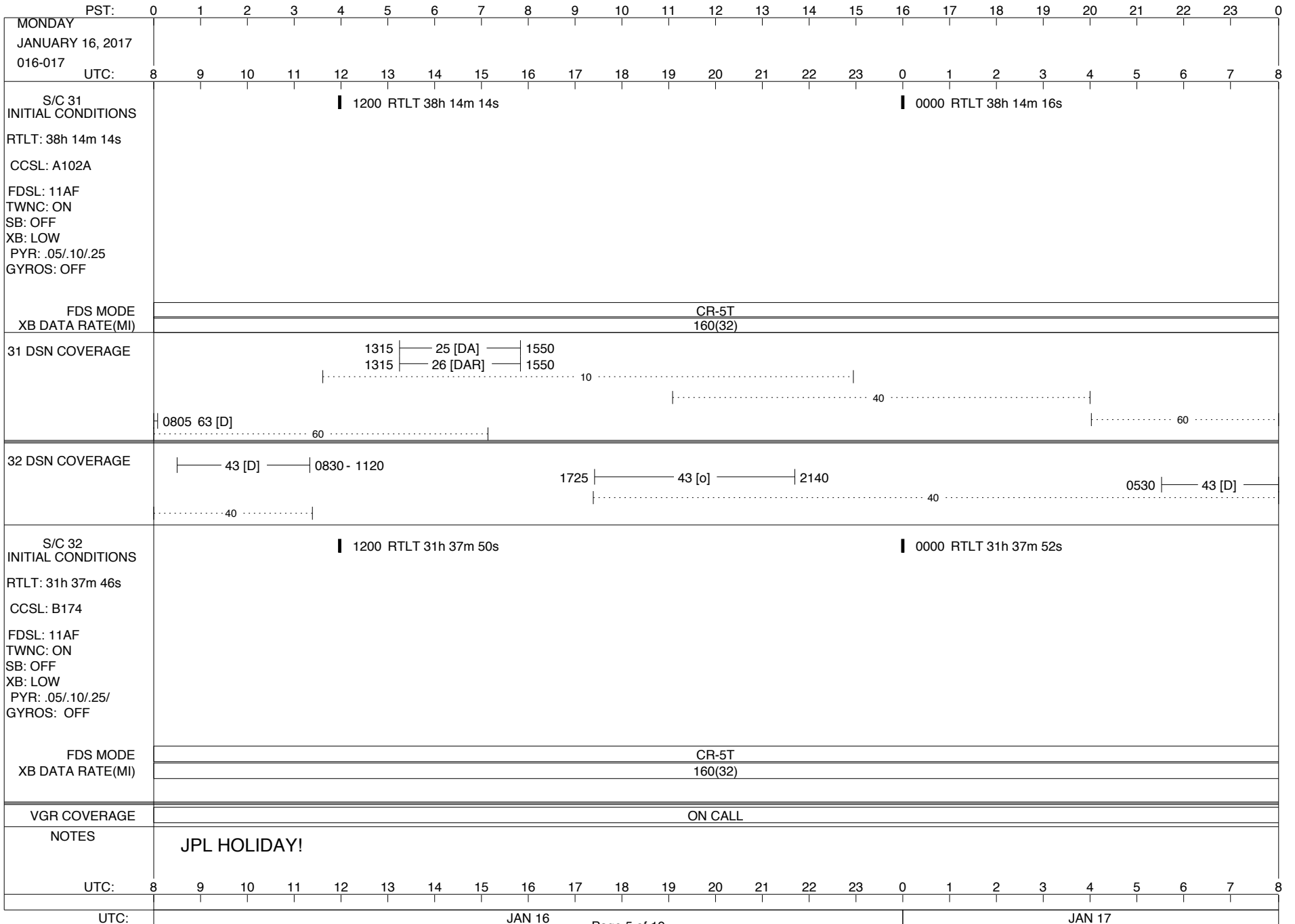
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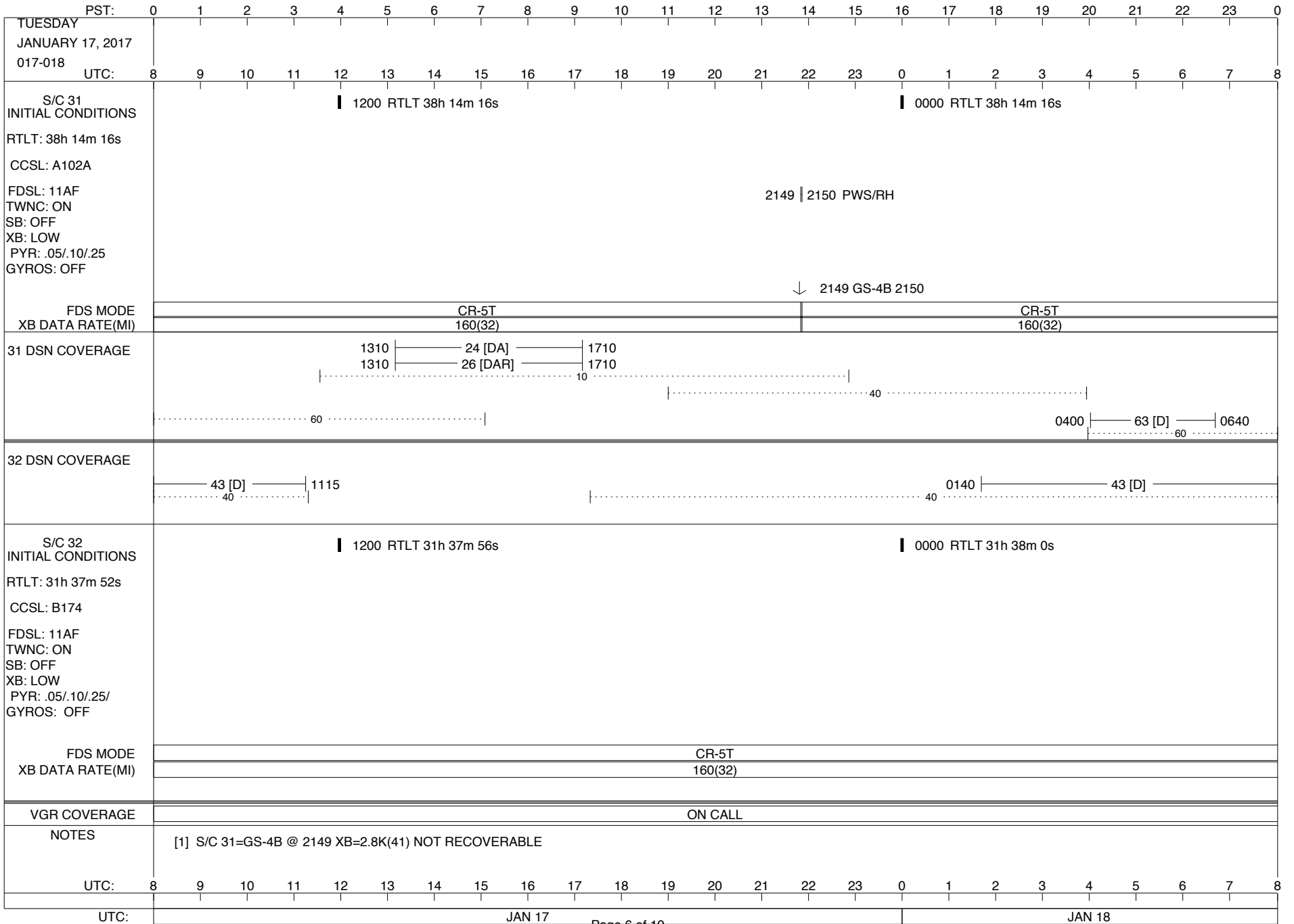
ISSUE DATE: 01/19/17 07:10



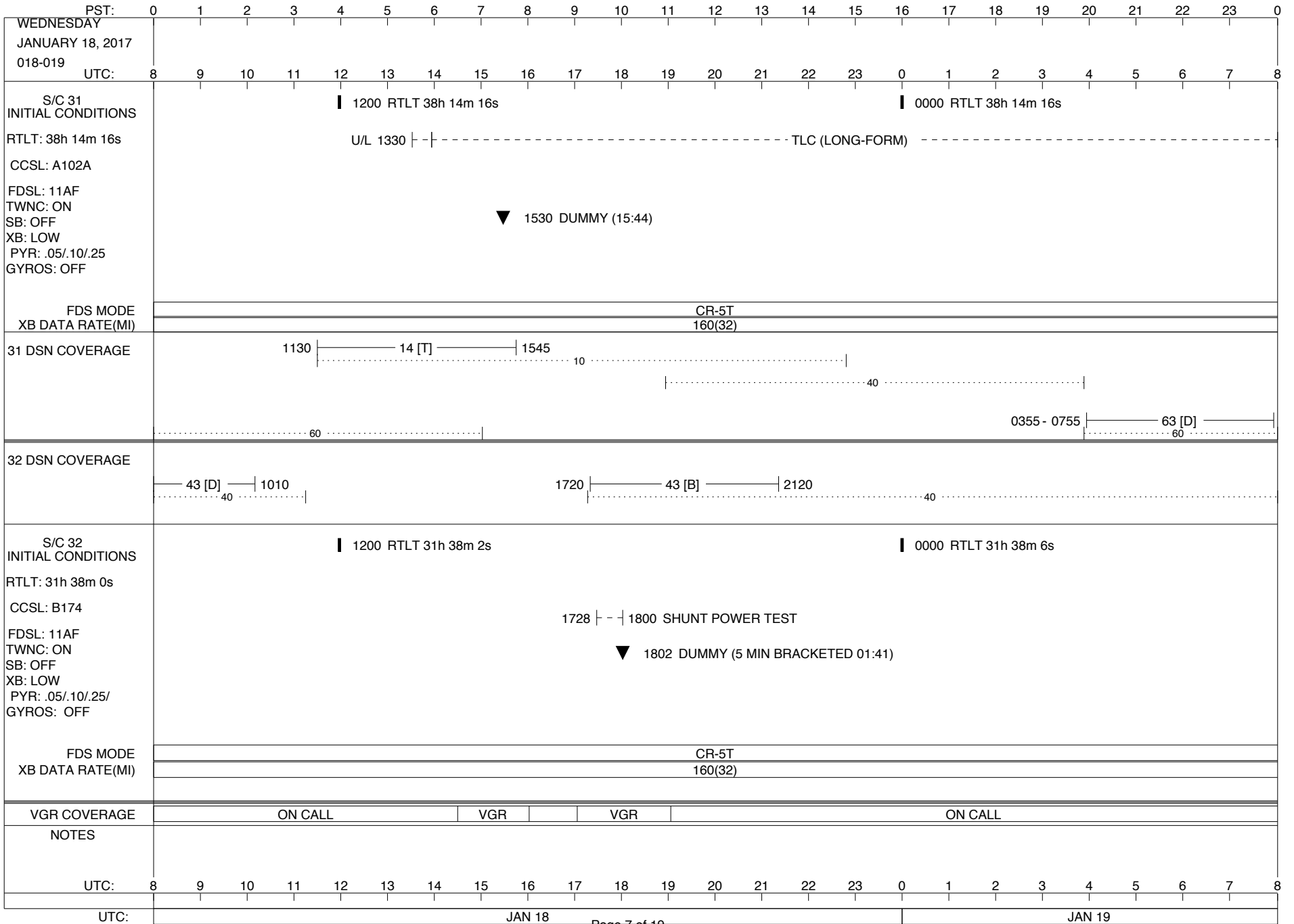
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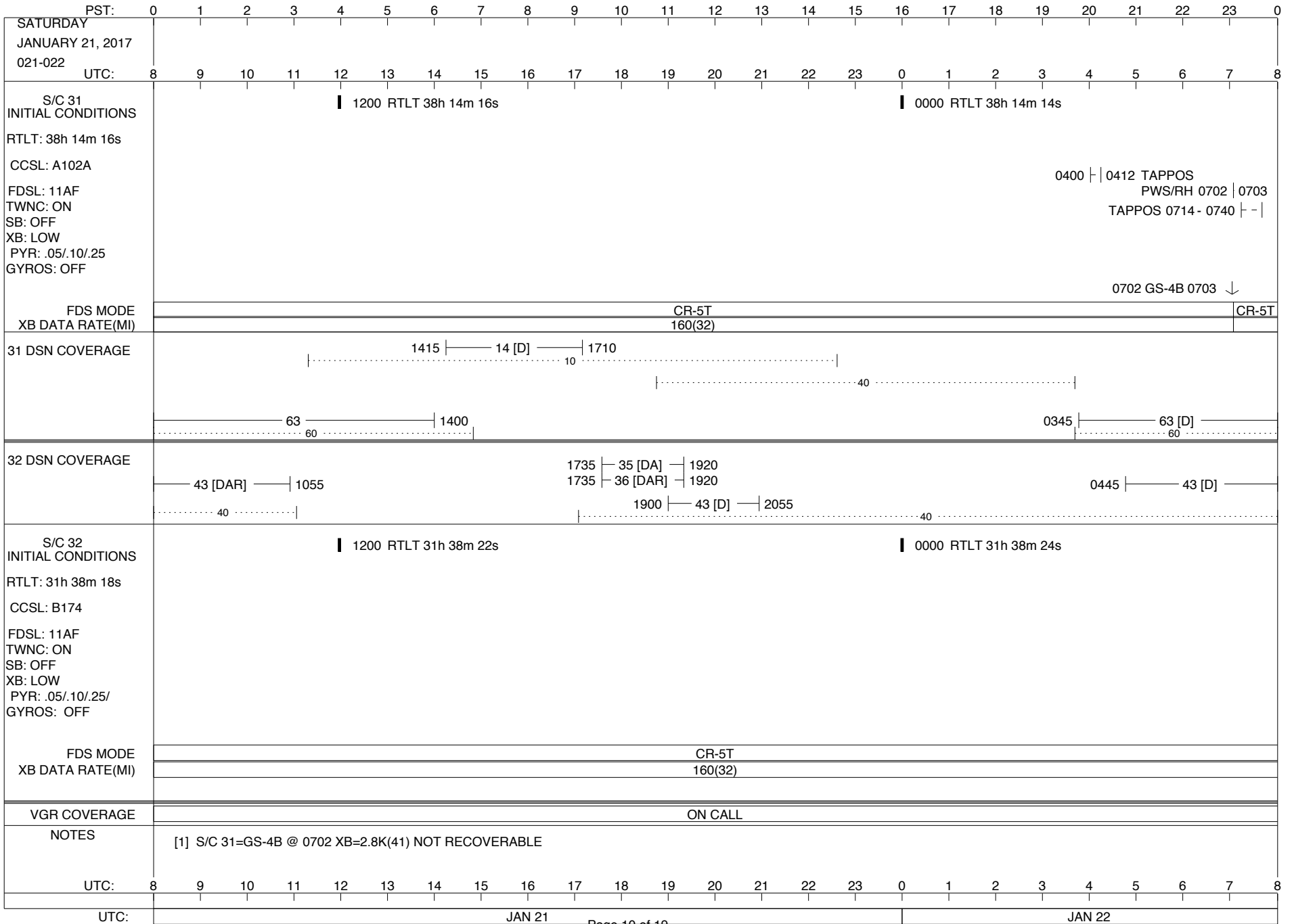
ISSUE DATE: 01/19/17 07:10

| PST: | 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 JANUARY 19, 2017 019-020 | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| S/C 31 INITIAL CONDITIONS | 1200 RTLT 38h 14m 16s | | | | | | | | | | | | 0000 RTLT 38h 14m 16s | | | | | | | | | | | | |
| RTLT: 38h 14m 16s | ----- TLC (LONG-FORM) ----- | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: A102A | | | | | | | | | | | | | | | | | | | 0100 0101 TAPPOS | | | | | | |
| 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 | 1305 25 [DAR] 1445 1305 26 [DA] 1445 | | | | | | | | | | | | 10 | | | | | | | | | | | | |
| 32 DSN COVERAGE | 40 | | | | | | | | | | | | 2025 36 [DA] 0005 2025 35 [DAR] 0425 | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS | 1200 RTLT 31h 38m 10s | | | | | | | | | | | | 0000 RTLT 31h 38m 12s | | | | | | | | | | | | |
| RTLT: 31h 38m 6s | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: B174 | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | [1] S/C 31=GS-4B @ 0402 XB=2.8K(41) NOT RECOVERABLE | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| UTC: | JAN 19 | | | | | | | | | | | | | | | | JAN 20 | | | | | | | | |

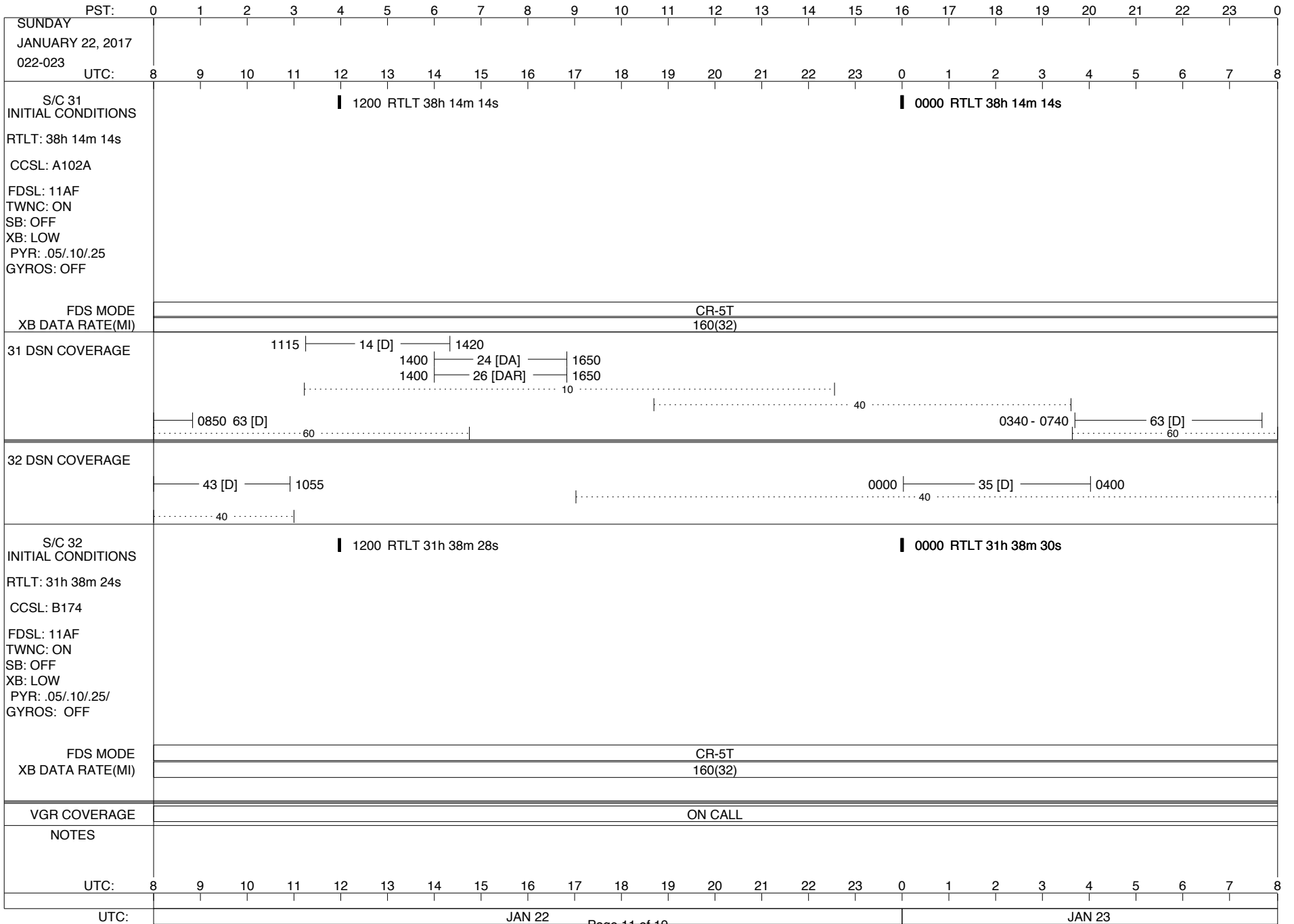
ISSUE DATE: 01/19/17 07:10

| PST: | | 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 JANUARY 20, 2017 020-021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| S/C 31 INITIAL CONDITIONS RTLTL: 38h 14m 16s CCSL: A102A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | | █ 1200 RTLTL 38h 14m 16s | | | | | | | | | | | | █ 0000 RTLTL 38h 14m 16s | | | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | | 1125 ----- 14 [D] ----- 1550 | | | | | | | | | | | | ----- 40 ----- | | | | | | | | | | | | | | | |
| | | ----- 60 ----- | | | | | | | | | | | | 0400 ----- 63 ----- ----- 60 ----- | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | ----- 40 ----- | | | | | | | | | | | | 2330 ----- 43 [DAR] ----- 0045 ----- 34 [DA] ----- 0315 ----- 40 ----- | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 31h 38m 12s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF | | █ 1200 RTLTL 31h 38m 16s | | | | | | | | | | | | █ 0000 RTLTL 31h 38m 18s | | | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | CR-5T 160(32) | | | | | | | | | | | | | 0057 ----- 0305 MINI-MAG SCI DEMO ↓ 0101 BAY 1 HTR OFF ↓ 0101 GYROS BC ON ↓ 0102 GYRO INIT ↓ 0111 GYRO FAULT TEST ↓ 0201 AAI 0204 ----- 0237 MAGROL - 1 REV ↓ 0241 RAI ↓ 0247 GYROS OFF ↓ 0255 BAY 1 HTR ON ↓ 0104 EL-40 0105 CR-5T 160(32) | | | | | | | | | | | | | | |
| VGR COVERAGE | | ON CALL | | | | | | | | | | | | VGR | | | | | | ON CALL | | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| UTC: | | JAN 20 | | | | | | | | | | | | | JAN 21 | | | | | | | | | | | | | | |

ISSUE DATE: 01/19/17 07:10



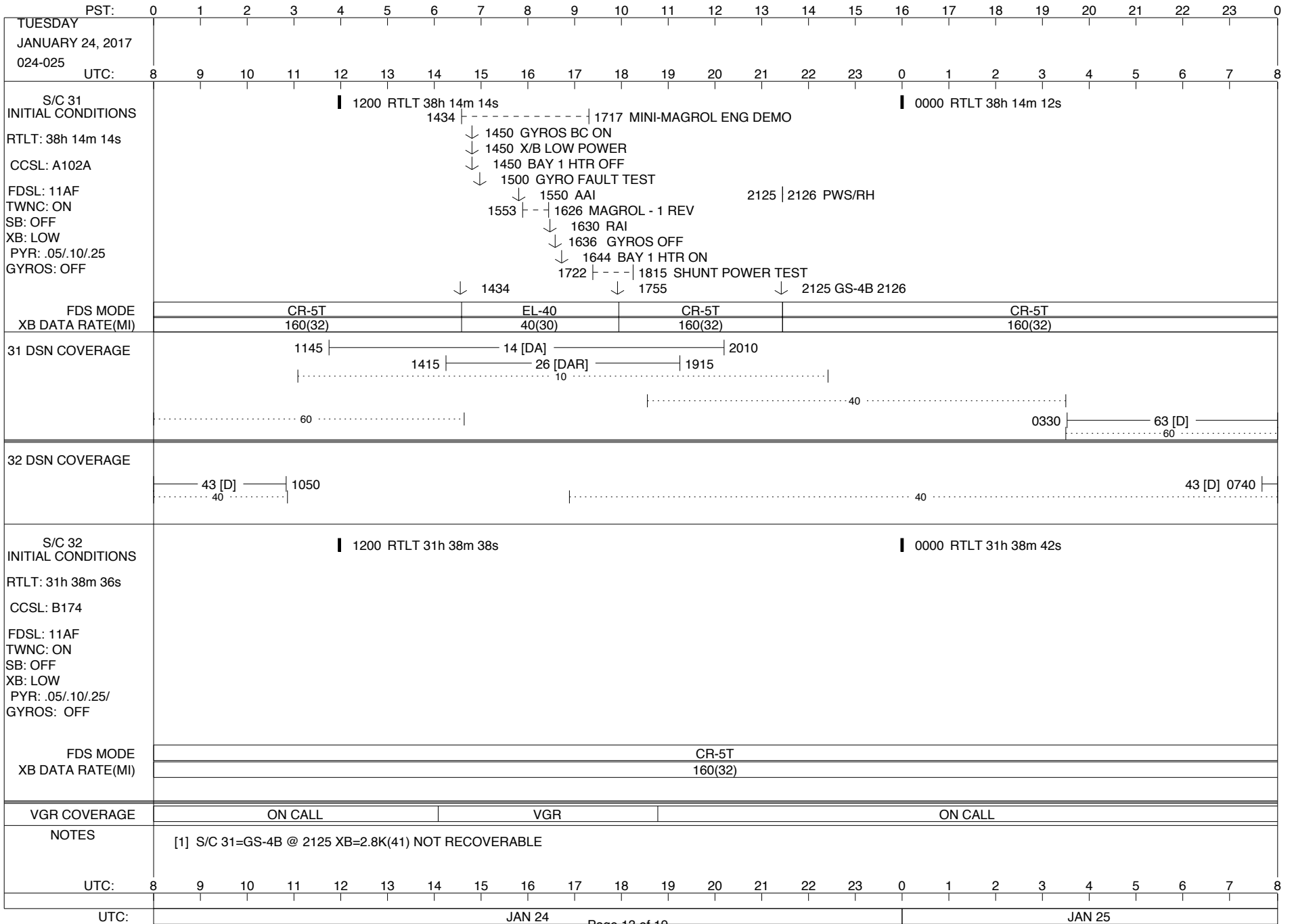
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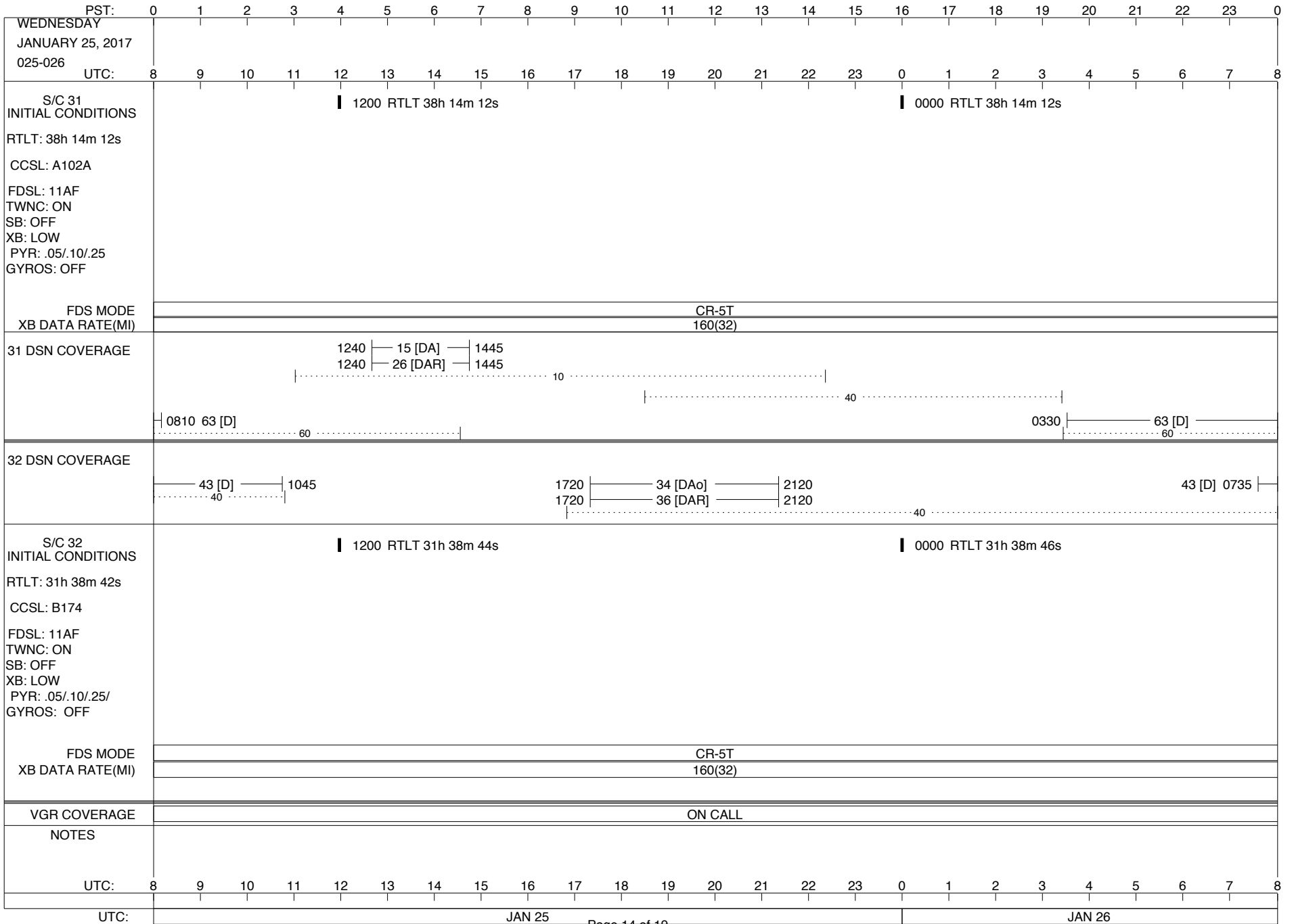
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| PST: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 |
|--|--------|---|----|----|--------|--------|--------|----|------|----|----|----|----|--------|----|----|--------|----|----|----|----|----|----|----|---|
| MONDAY JANUARY 23, 2017 023-024 | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| S/C 31 INITIAL CONDITIONS RTLT: 38h 14m 14s CCSL: A102A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | | | | | █ 1200 | | | | | | | | | | | | █ 0000 | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | | | | | 1110 | | 14 [D] | | 1230 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 31h 38m 30s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF | | | | | | █ 1200 | | | | | | | | | | | █ 0000 | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| UTC: | JAN 23 | | | | | | | | | | | | | JAN 24 | | | | | | | | | | | |

ISSUE DATE: 01/19/17 07:10



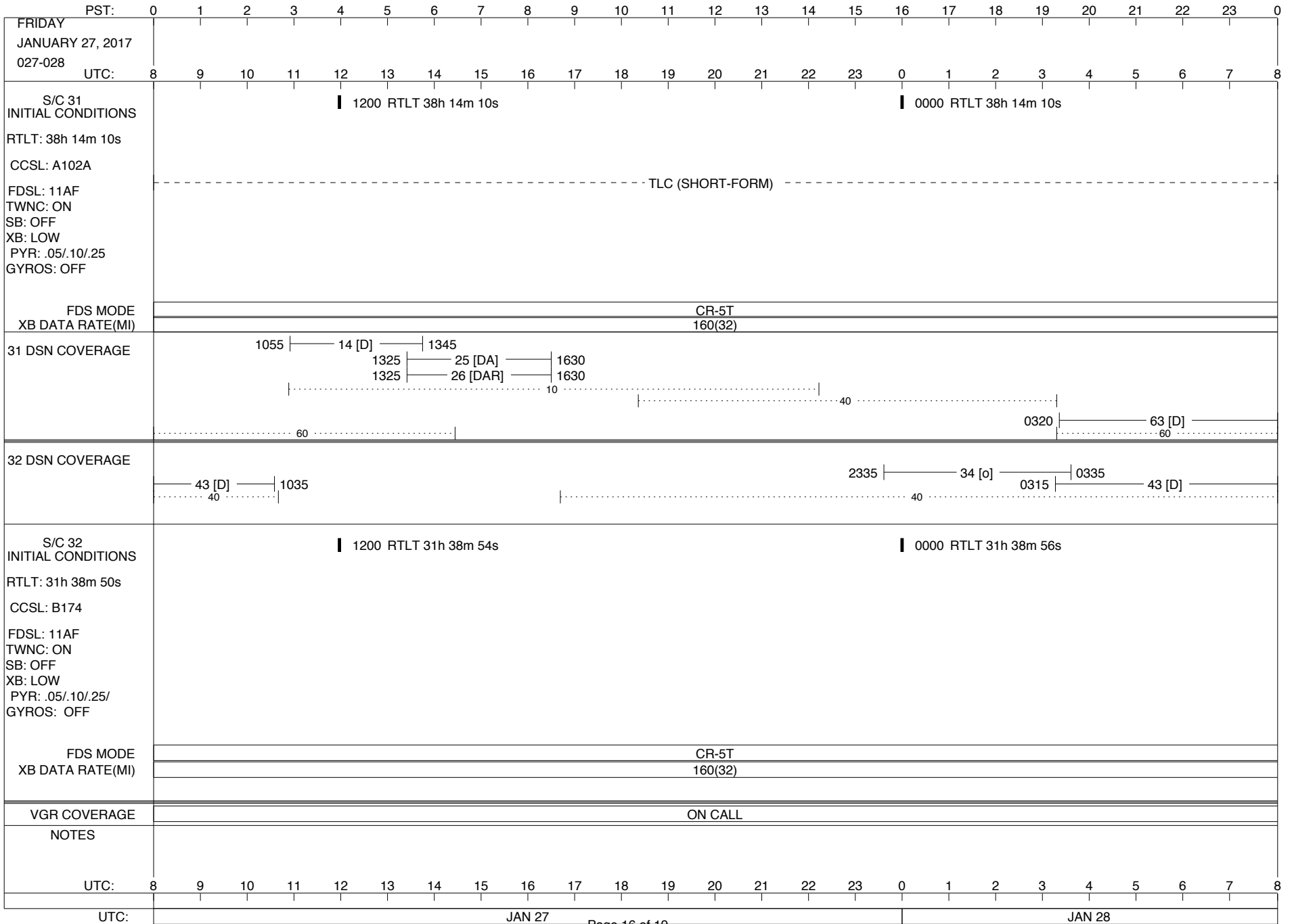
ISSUE DATE: 01/19/17 07:10



ISSUE DATE: 01/19/17 07:10

| PST: | 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 JANUARY 26, 2017 026-027 | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| S/C 31 INITIAL CONDITIONS RTLTL: 38h 14m 12s CCSL: A102A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF | 1200 RTLTL 38h 14m 12s | | | | | | | | | | | | 0000 RTLTL 38h 14m 10s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | |
| 31 DSN COVERAGE | <p>1100 ----- 14 [D] ----- 1350 1330 ----- 25 [DAR] ----- 1705 1330 ----- 26 [DA] ----- 1705</p> <p>0825 63 [D] ----- 60 ----- 2150 ----- 43 [T] ----- 0045 ----- 40 ----- 0325 - 0755 ----- 63 [D] ----- 60</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | <p>43 [D] ----- 1040 ----- 1700 ----- 43 [B] ----- 2045 ----- 2345 ----- 36 [D] ----- 0130 ----- 40 ----- ----- 40 ----- 0130 ----- 43 [D] ----- </p> | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 31h 38m 46s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25/ GYROS: OFF | 1200 RTLTL 31h 38m 48s | | | | | | | | | | | | 0000 RTLTL 31h 38m 50s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | VGR | | | ON CALL | | | VGR | | | ON CALL | | | | | | | | | |
| NOTES | [1] S/C 31=GS-4B @ 0338 XB=2.8K(41) NOT RECOVERABLE | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| UTC: | JAN 26 | | | | | | | | | | | | JAN 27 | | | | | | | | | | | | |

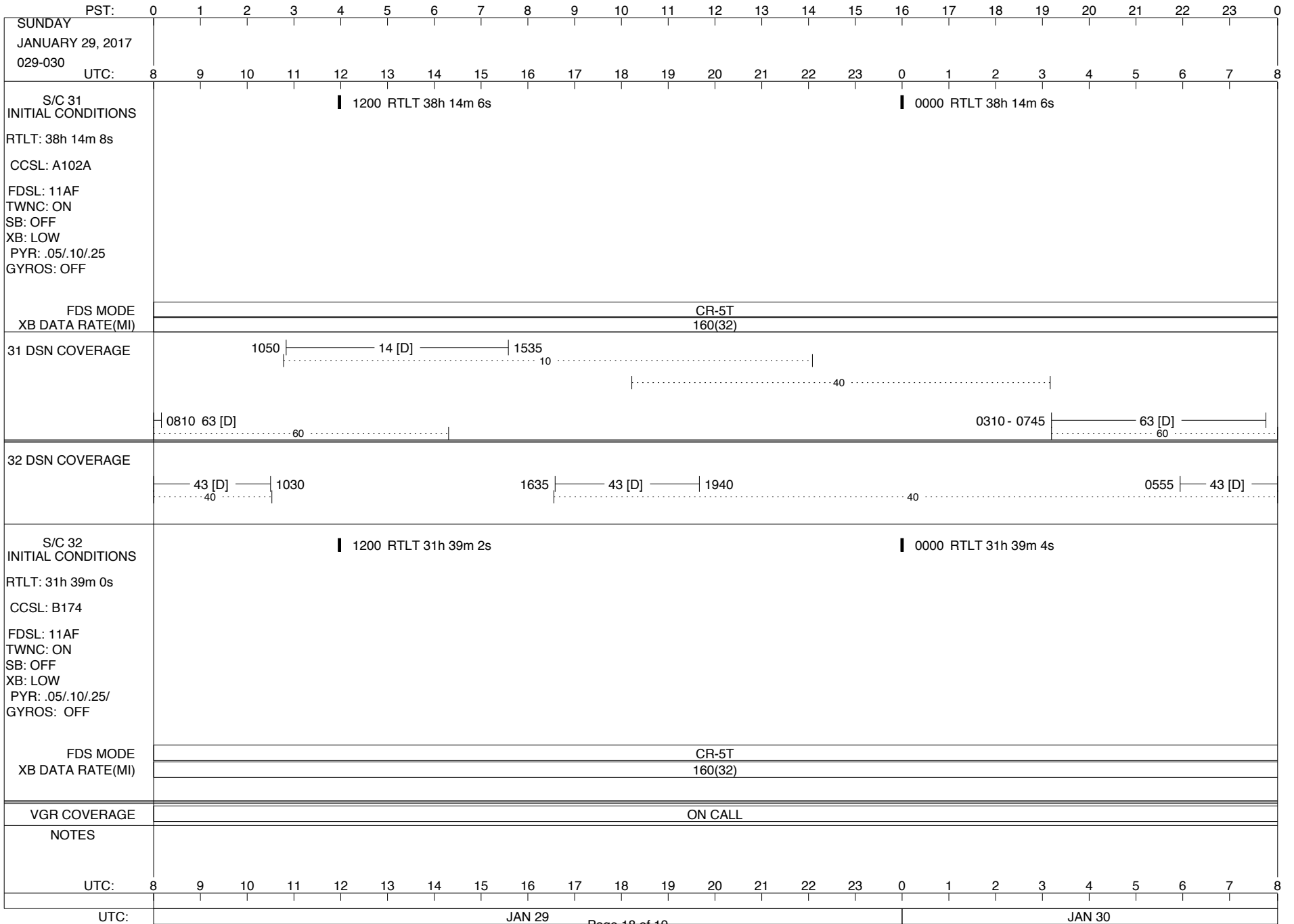
ISSUE DATE: 01/19/17 07:10



ISSUE DATE: 01/19/17 07:10

| PST: | | 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 | | | | | |
|------------------------------|--|---|---|----|----|----|----|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|---|--|--|--|------------------|--|
| SATURDAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JANUARY 28, 2017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 028-029 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | |
| S/C 31 INITIAL CONDITIONS | | █ 1200 RTLT 38h 14m 8s | | | | | | | | | | | | | | █ 0000 RTLT 38h 14m 8s | | | | | | | | | | | | | | | |
| RTLT: 38h 14m 10s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: A102A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TWNC: ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB: LOW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PYR: .05/.10/.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GYROS: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ----- TLC (SHORT-FORM) ----- + D/L - 1427 | | | | | | | | | | | | | | 0336 - 0402 TAPPOS PWS/RH 0638 0639 TAPPOS 0650 - 0702 | | | | | | | | | | | | | | | |
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| FDS MODE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | | | | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | | | CR-5T 160(32) | |
| 31 DSN COVERAGE | | <p>1300 ----- 14 [D] ----- 1715</p> <p>..... 10</p> <p>..... 40</p> <p>.....</p> <p>63 [D] ----- 1300</p> <p>..... 60</p> <p>.....</p> <p>0315 ----- 63 [D] ----- </p> <p>..... 60</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | <p>43 [D] ----- 1030</p> <p>..... 40</p> <p>.....</p> <p>1640 ----- 43 [D] ----- 0025</p> <p>..... 40</p> <p>.....</p> <p>0520 ----- 43 [D] ----- </p> <p>..... 60</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS | | █ 1200 RTLT 31h 38m 58s | | | | | | | | | | | | | | █ 0000 RTLT 31h 39m 0s | | | | | | | | | | | | | | | |
| RTLT: 31h 38m 56s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: B174 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TWNC: ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB: LOW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PYR: .05/.10/.25/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GYROS: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| FDS MODE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | | ON CALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | | [1] S/C 31=GS-4B @ 0638 XB=2.8K(41) NOT RECOVERABLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | |
| UTC: | | JAN 28 | | | | | | | | | | | | | | JAN 29 | | | | | | | | | | | | | | | |

ISSUE DATE: 01/19/17 07:10



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