

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 24, 2009

For the Period: 11/26/09 to 12/14/09 (09-330 – 09-348)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (15) 600-100

DSOT (1) 230-102

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 LECP *r.decker@jhupl.edu
 UVS *holberg@argus.lpl.arizona.edu
 MAG *u2mha@lepvox.gsfc.nasa.gov
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 PWS *wsk@space.physics.uiowa.edu
 *Leonard.F.Burlaga@nasa.gov
 *Donald-Gurnett@uiowa.edu

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 Howard, S. (3)
 Ludwig, R. (2)
 Massey, Ed
 Matsumoto, S.
 Medina, E.
 Peralta, F.
 Poynter, R.
 Weeks, T.
 Wong, R.
 Yang, L
 Zottarelli, L.

*odivers1@san.rr.com

OTHER

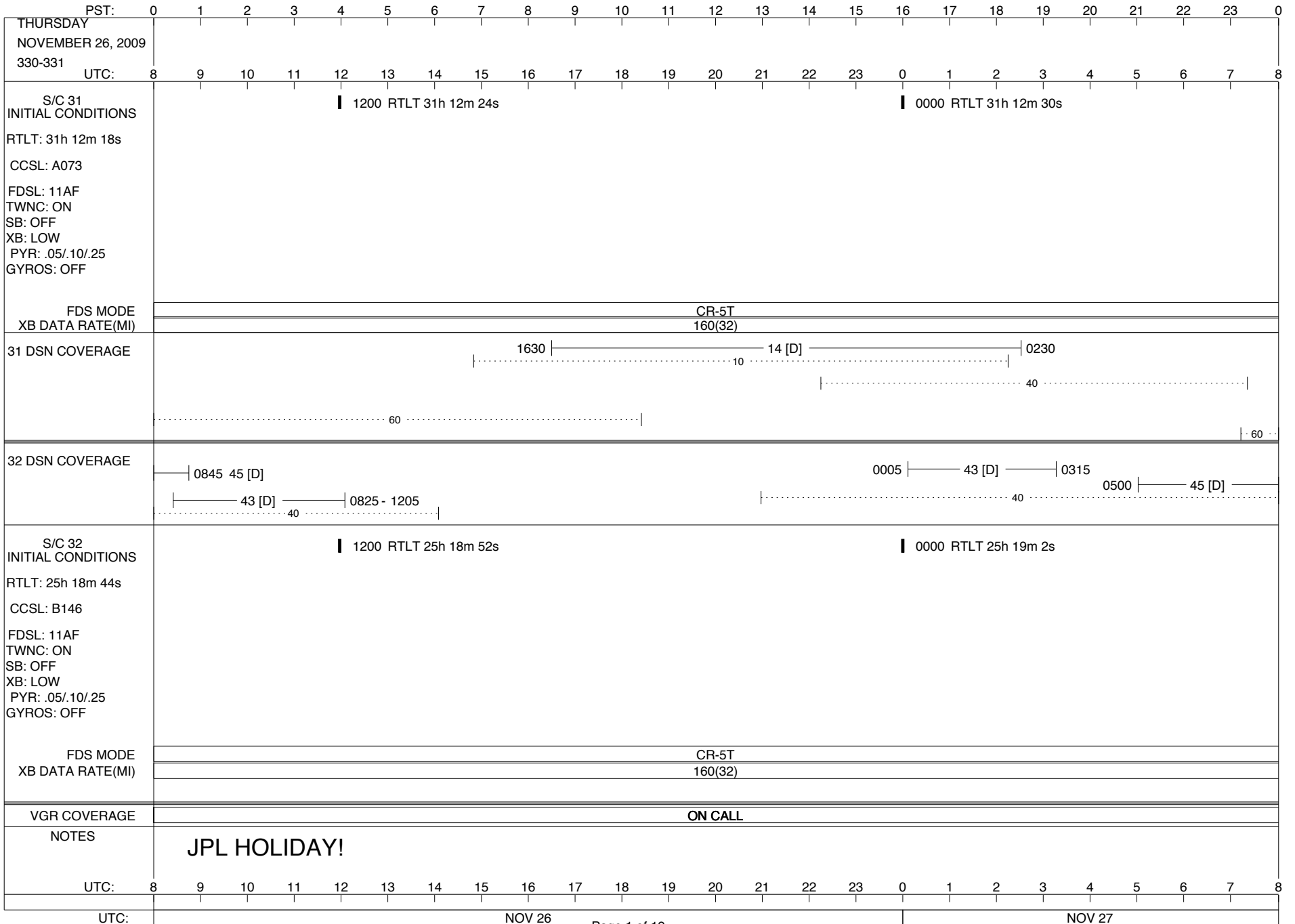
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 * Belinda.Arroyo@jpl.nasa.gov
 * DSN-MPSETA@jjpl.jpl.nasa.gov

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 = 7-Point 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
 (17 – Dist/N: Paper Copies)
 04/02/09

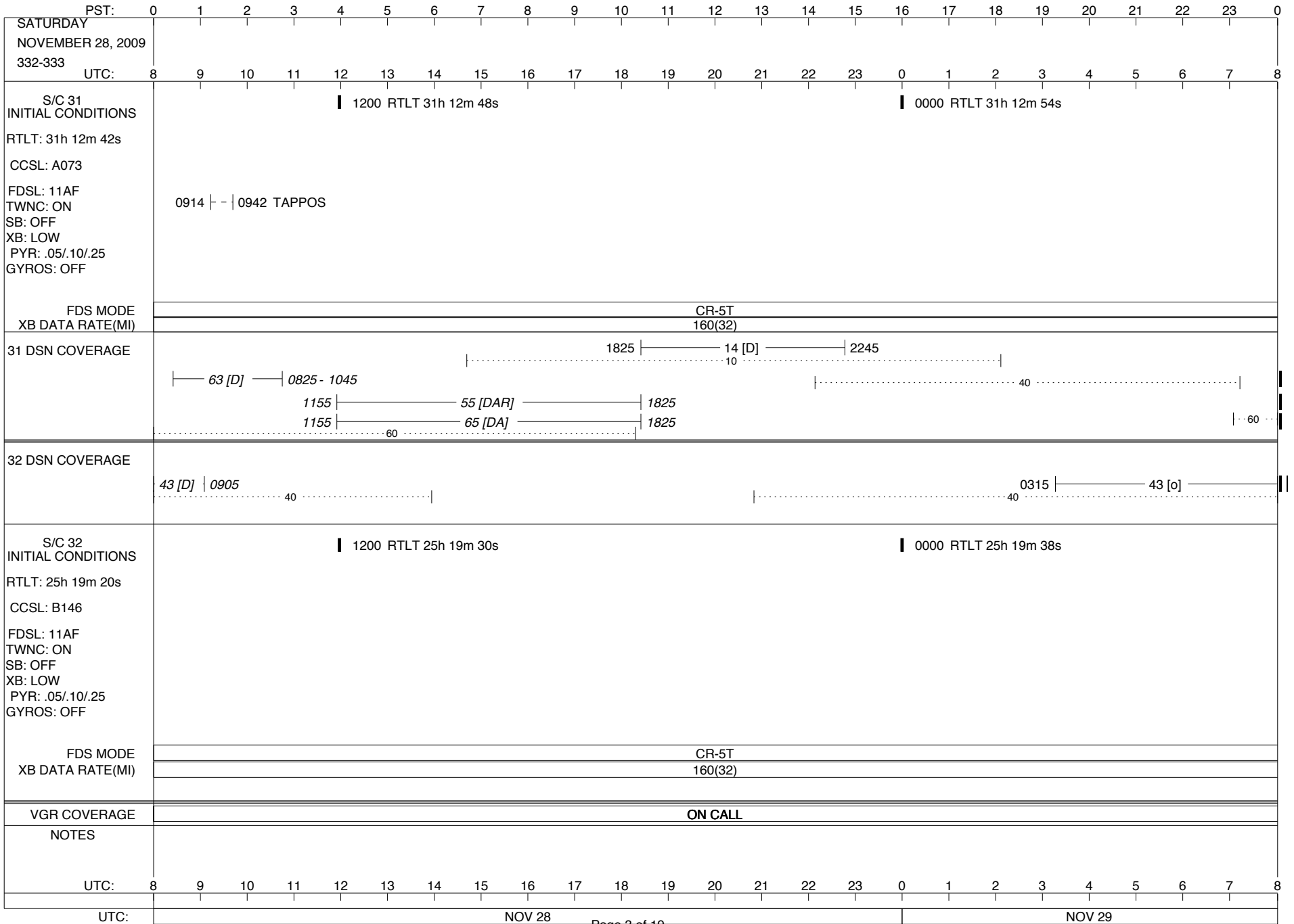
ISSUE DATE: 12/02/09 23:22



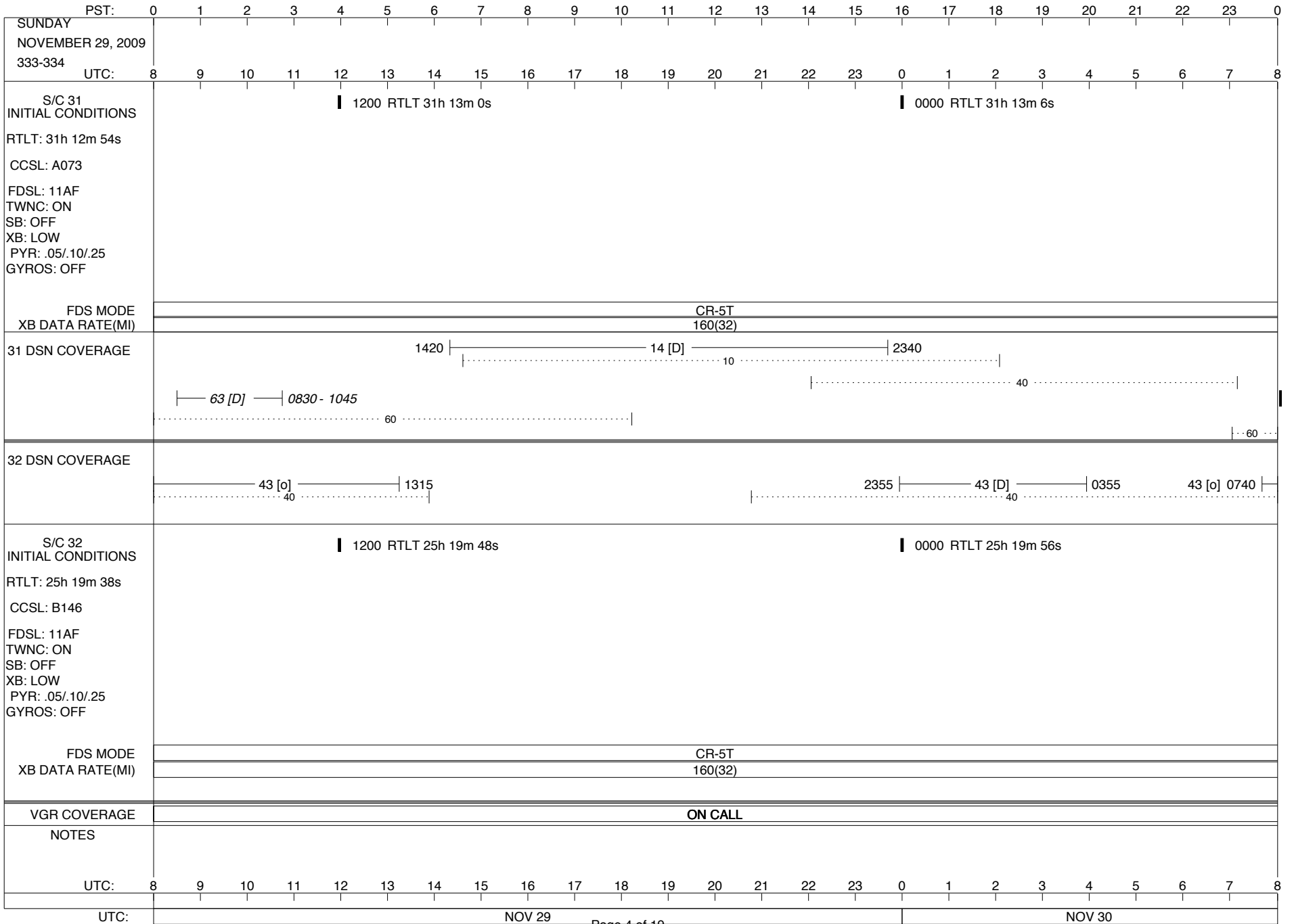
ISSUE DATE: 12/02/09 23:22

| 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 NOVEMBER 27, 2009 331-332 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 31h 12m 36s | | | | | | | | | | | | 0000 RTLT 31h 12m 42s | | | | | | | | | | | | | |
| RTLT: 31h 12m 30s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: A073 | | | | | | | | | | | | | | | | | | | | | | | 0404 - - 0446 TAPPOS | | | |
| FDSL: 11AF | | | | | | | | | | | | | | | | | | | | | | | PWS/RH 0707 0707 | | | |
| 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 | -----10----- | | | | | | | | | | | | -----40----- | | | | | | | | | | | | | |
| | -----63 [D]----- 0805 - 1900 | | | | | | | | | | | | -----60----- | | | | | | | | | | | | | |
| 32 DSN COVERAGE | -----45 [D]----- 1310 | | | | | | | | 2045 -----43 [D]----- | | | | | | | | | | | | | | | | | |
| | -----40----- | | | | | | | | -----40----- | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS | 1200 RTLT 25h 19m 10s | | | | | | | | | | | | 0000 RTLT 25h 19m 20s | | | | | | | | | | | | | |
| RTLT: 25h 19m 2s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: B146 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 @ 0707 XB=2.8K(41) NOT RECOVERABLE JPL HOLIDAY! | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: | NOV 27 | | | | | | | | | | | | | | | | NOV 28 | | | | | | | | | |

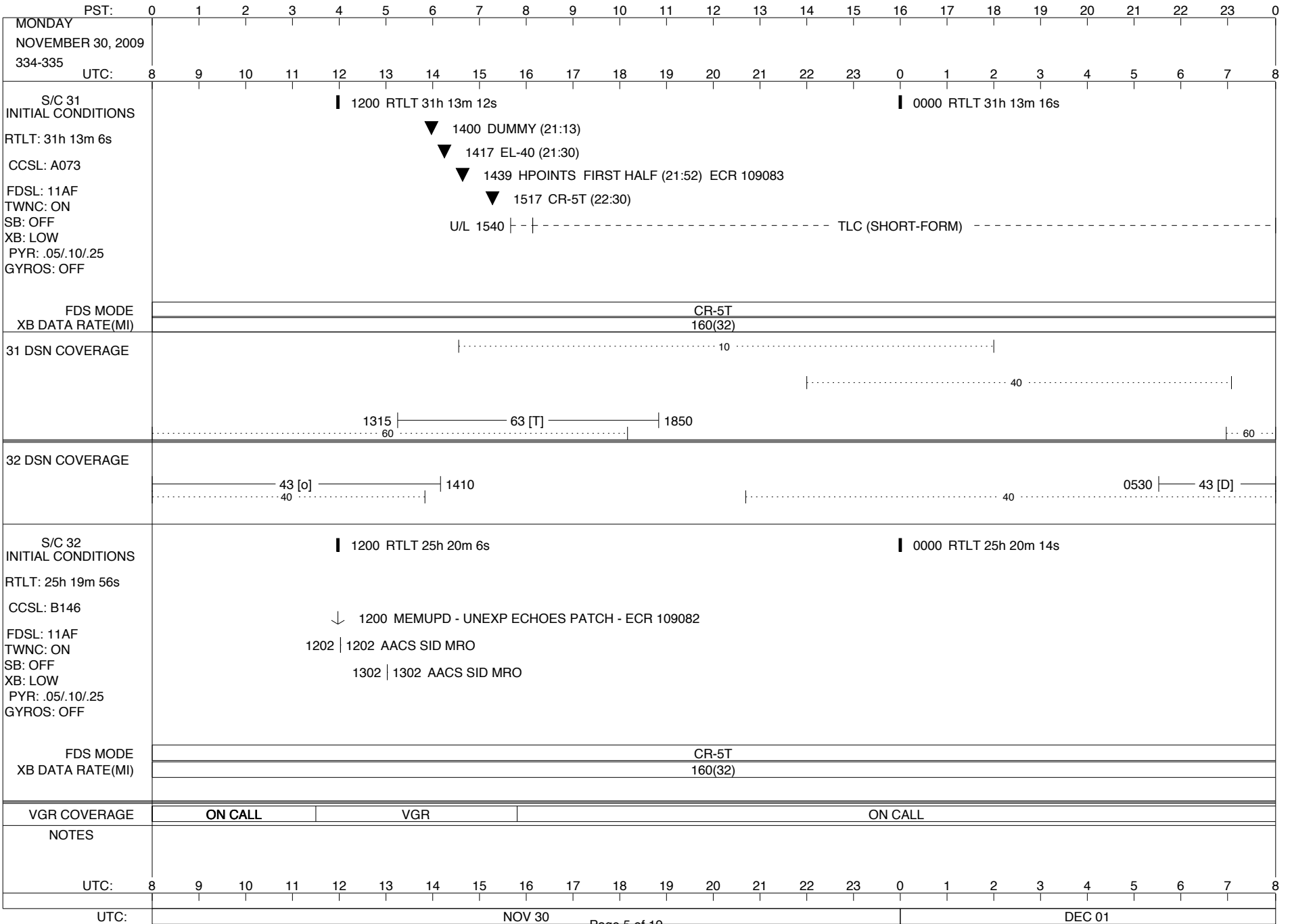
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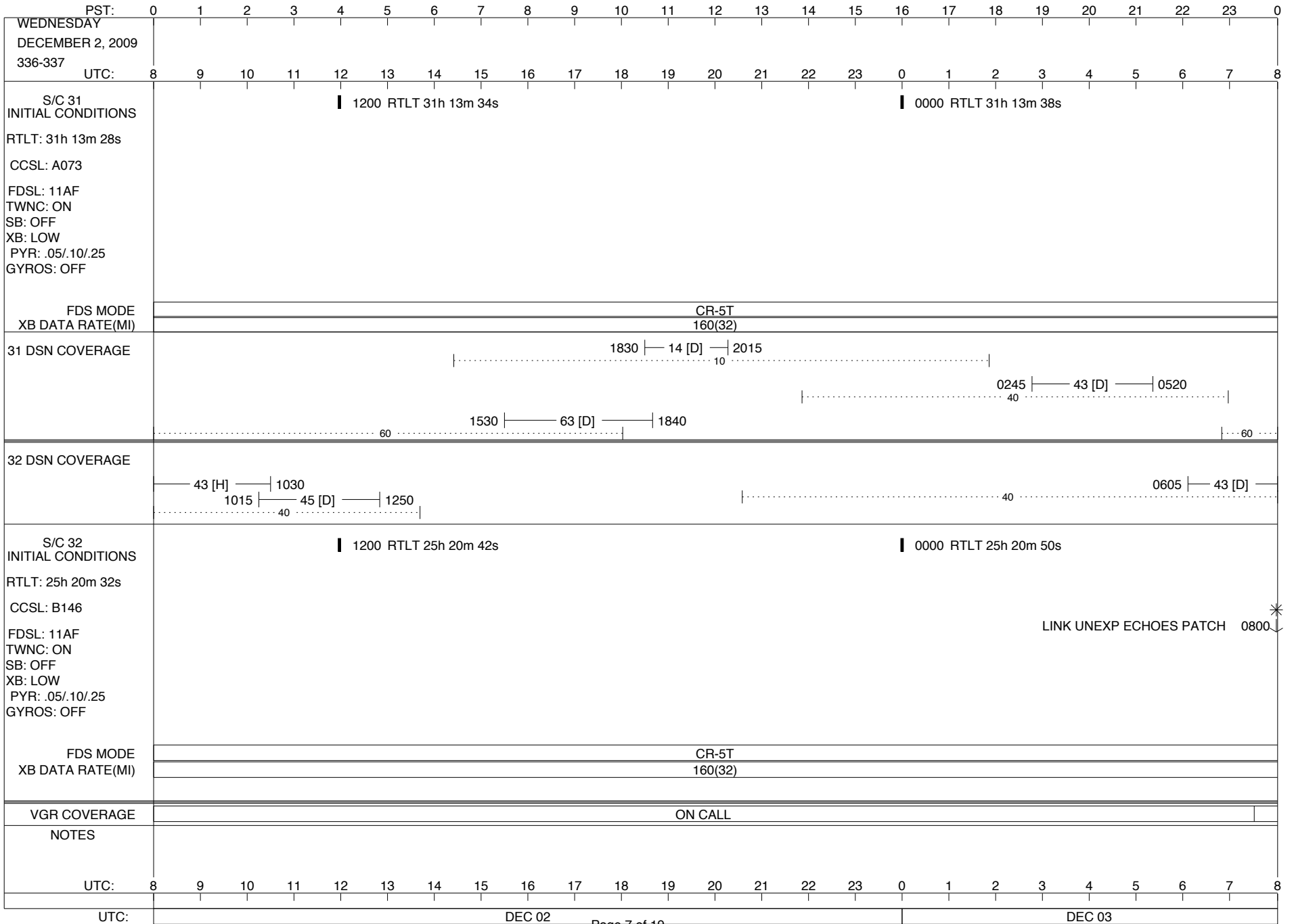


ISSUE DATE: 12/02/09 23:22



| 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 |
|--|--|---|----|----|----|----|----|----|----|----|----|----|--|----|------------------|----|------------------|----|----|----|----|----|----|----|---|
| TUESDAY DECEMBER 1, 2009 335-336 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: 31h 13m 16s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF | 1200 RTLTL 31h 13m 22s | | | | | | | | | | | | 0000 RTLTL 31h 13m 28s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | EL-40 40(30) | | CR-5T 160(32) | | CR-5T 160(32) | | | | | | | | |
| 31 DSN COVERAGE | 1645 ----- 14 [D] ----- 0025 ----- 10 ----- | | | | | | | | | | | | 2153 * 2200 HPOINT RECEIPT D/L * * 2131 EL-40 ↓ ↓ 2231 CR-5T ↓ 0043 GS-4B 0044 0043 0044 PWS/RH | | | | | | | | | | | | |
| 32 DSN COVERAGE | 43 [D] ----- 1115 ----- 40 ----- | | | | | | | | | | | | 0600 ----- 43 [H] ----- ----- 40 ----- | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 25h 20m 14s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF | 1200 RTLTL 25h 20m 24s | | | | | | | | | | | | 0000 RTLTL 25h 20m 32s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | [1] S/C 31=EL-40 @ 2131 XB=40(30) [2] S/C 31=CR-5T @ 2231 XB=160(32) [3] S/C 31=GS-4B @ 0043 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: | DEC 01 | | | | | | | | | | | | DEC 02 | | | | | | | | | | | | |

ISSUE DATE: 12/02/09 23:22

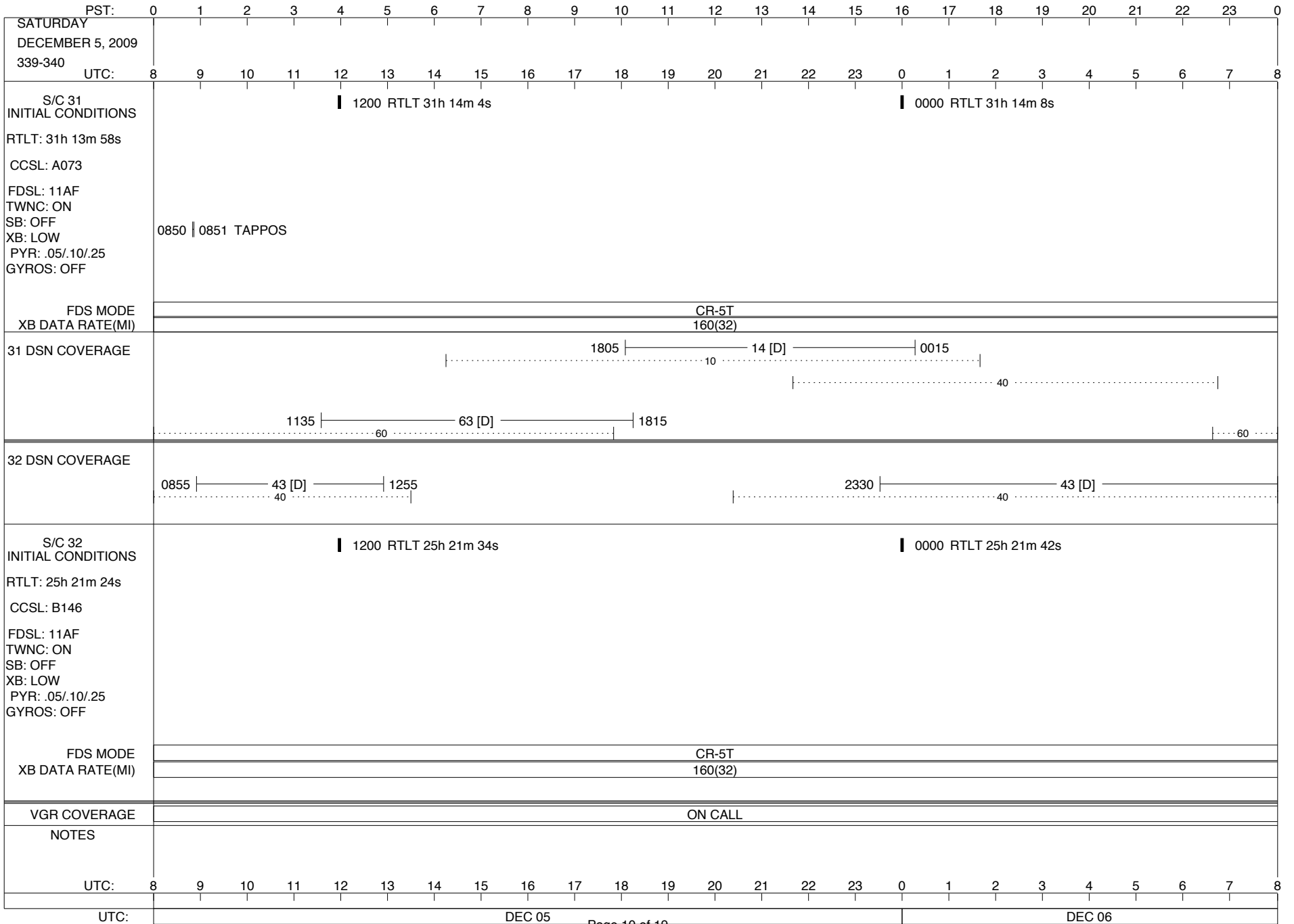


| PST: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 |
|----------------------------------|---|---|----|----|----|----|----|----|----|----|----|----|---------------------------------|----|----|----|--------|----|----|----|----|----|----|----|---|
| THURSDAY | | | | | | | | | | | | | | | | | | | | | | | | | |
| DECEMBER 3, 2009 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 337-338 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: 31h 13m 38s | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: A073 | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF | | | | | | | | | | | | | | | | | | | | | | | | | |
| TWNC: ON | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB: OFF | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB: LOW | | | | | | | | | | | | | | | | | | | | | | | | | |
| PYR: .05/.10/.25 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GYROS: OFF | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1200 RTLT 31h 13m 44s | | | | | | | | | | | | | 0000 RTLT 31h 13m 48s | | | | | | | | | | | | |
| FDS MODE | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | | | | | | | | | | | | | | | | | | | | | | | | | |
| CR-5T | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1830 ----- 25 [DAR] ----- 0050 | | | | | | | | | | | | | 1830 ----- 26 [DA] ----- 0050 | | | | | | | | | | | | |
| 1530 ----- 63 [D] ----- 1840 | | | | | | | | | | | | | 0030 14 [D] 0205 | | | | | | | | | | | | |
| 60 40 60 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 [D] ----- 1205 | | | | | | | | | | | | | 0530 ----- 43 [D] ----- | | | | | | | | | | | | |
| 40 40 | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS | | | | | | | | | | | | | | | | | | | | | | | | | |
| RTLT: 25h 20m 50s | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: B146 | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 0800 LINK UNEXP ECHOES PATCH | | | | | | | | | | | | | | | | | | | | | | | | | |
| ↓ 0801 - 0801 2 AACS SID MRO'S | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0901 0901 2 AACS SID MRO'S | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF | | | | | | | | | | | | | | | | | | | | | | | | | |
| TWNC: ON | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB: OFF | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB: LOW | | | | | | | | | | | | | | | | | | | | | | | | | |
| PYR: .05/.10/.25 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GYROS: OFF | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1200 RTLT 25h 20m 58s | | | | | | | | | | | | | 0000 RTLT 25h 21m 8s | | | | | | | | | | | | |
| FDS MODE | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | | | | | | | | | | | | | | | | | | | | | | | | | |
| CR-5T | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: DEC 03 | | | | | | | | | | | | | | | | | DEC 04 | | | | | | | | |

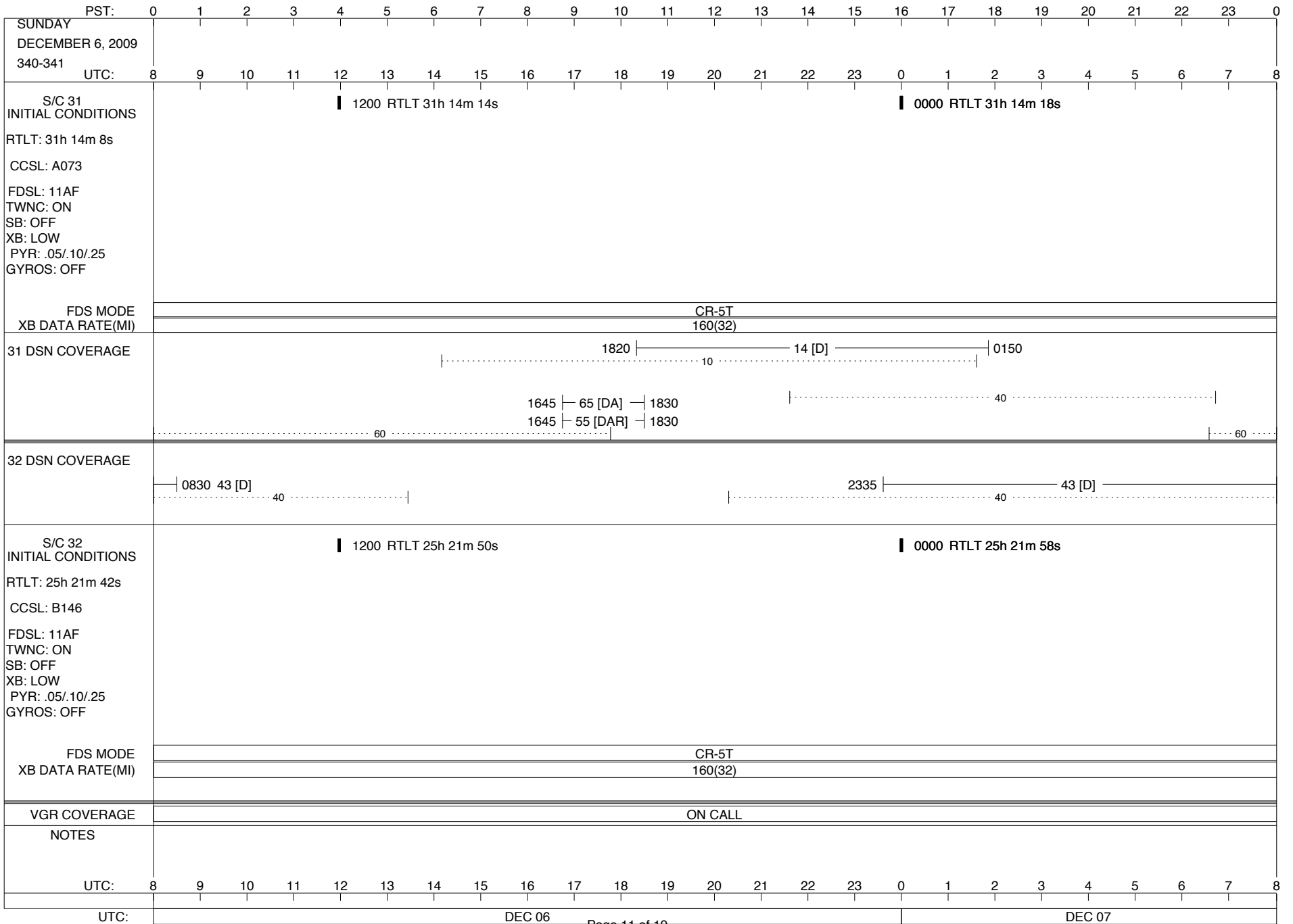
ISSUE DATE: 12/02/09 23:22

| 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 DECEMBER 4, 2009 338-339 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: 31h 13m 48s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLTL 31h 13m 54s | | | | | | | | | | | | 0000 RTLTL 31h 13m 58s | | | | | | | | | | | | | |
| | 0341 0355 TAPPOS PWS/RH 0643 0644 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0643 GS-4B 0644 ↓ | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | CR-5T | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | 160(32) | | | | | | | | | | | | | |
| 31 DSN COVERAGE | ----- 10 ----- | | | | | | | | | | | | ----- 40 ----- | | | | | | | | | | | | | |
| | 1245 ----- 63 [D1] ----- 1835 | | | | | | | | | | | | ----- 60 ----- | | | | | | | | | | | | | |
| 32 DSN COVERAGE | ----- 43 [D] ----- 1330 | | | | | | | | | | | | ----- 40 ----- | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 25h 21m 8s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLTL 25h 21m 16s | | | | | | | | | | | | 0000 RTLTL 25h 21m 24s | | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | CR-5T | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | 160(32) | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | ON CALL | | | | | | | | | | | | | |
| NOTES | [1] HPOINT 1 BACKUP U/L TRACK [2] S/C 31=GS-4B @ 0643 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: | DEC 04 | | | | | | | | | | | | DEC 05 | | | | | | | | | | | | | |

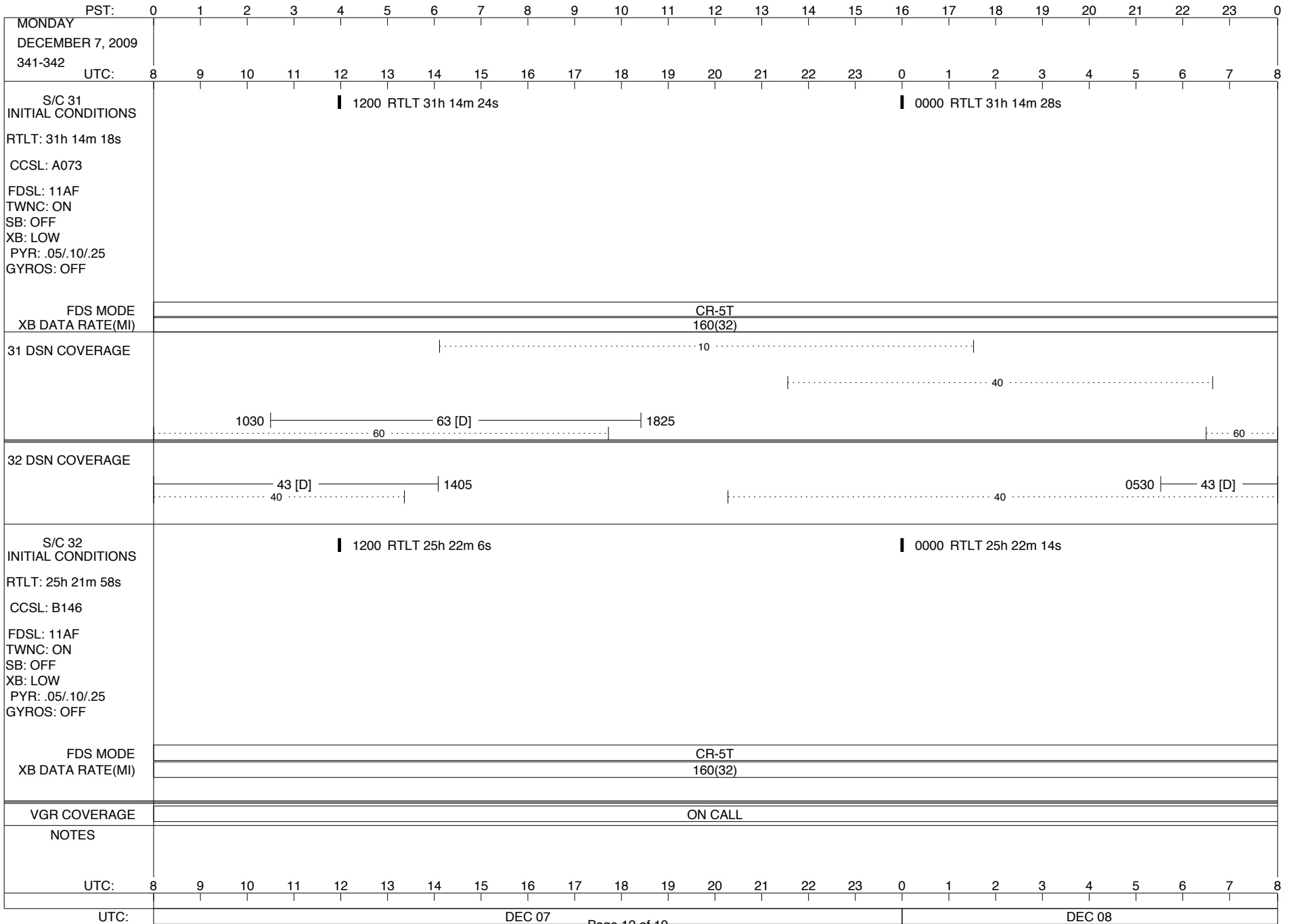
ISSUE DATE: 12/02/09 23:22



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|--|--|---|--|--|--|--|--|--|--|-----|--|--|--|------------------------|--|--|--|---------|--|--|--|--|--|--|--|
| TUESDAY DECEMBER 8, 2009 342-343 | | 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 | | | | | | | | | | | | | | | | | | | | | | | |
| 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: 31h 14m 28s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF | | 1200 RTLTL 31h 14m 32s | | | | | | | | | | | | 0000 RTLTL 31h 14m 38s | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | CR-5T 160(32) | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | |
| 31 DSN COVERAGE | | <p>1140 -----60----- 63 [T] -----60----- 1820</p> <p>..... -----10-----</p> <p>..... -----40-----</p> | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | <p>43 [D] -----40----- 1020</p> <p>..... -----40----- 0320 -----43 [D]-----</p> | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 25h 22m 14s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF | | 1200 RTLTL 25h 22m 24s | | | | | | | | | | | | 0000 RTLTL 25h 22m 32s | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | CR-5T 160(32) | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | | ON CALL | | | | | | | | VGR | | | | | | | | ON CALL | | | | | | | |
| NOTES | | [1] S/C 31=GS-4B @ 0019 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: | | DEC 08 | | | | | | | | | | | | DEC 09 | | | | | | | | | | | |

ISSUE DATE: 12/02/09 23:22

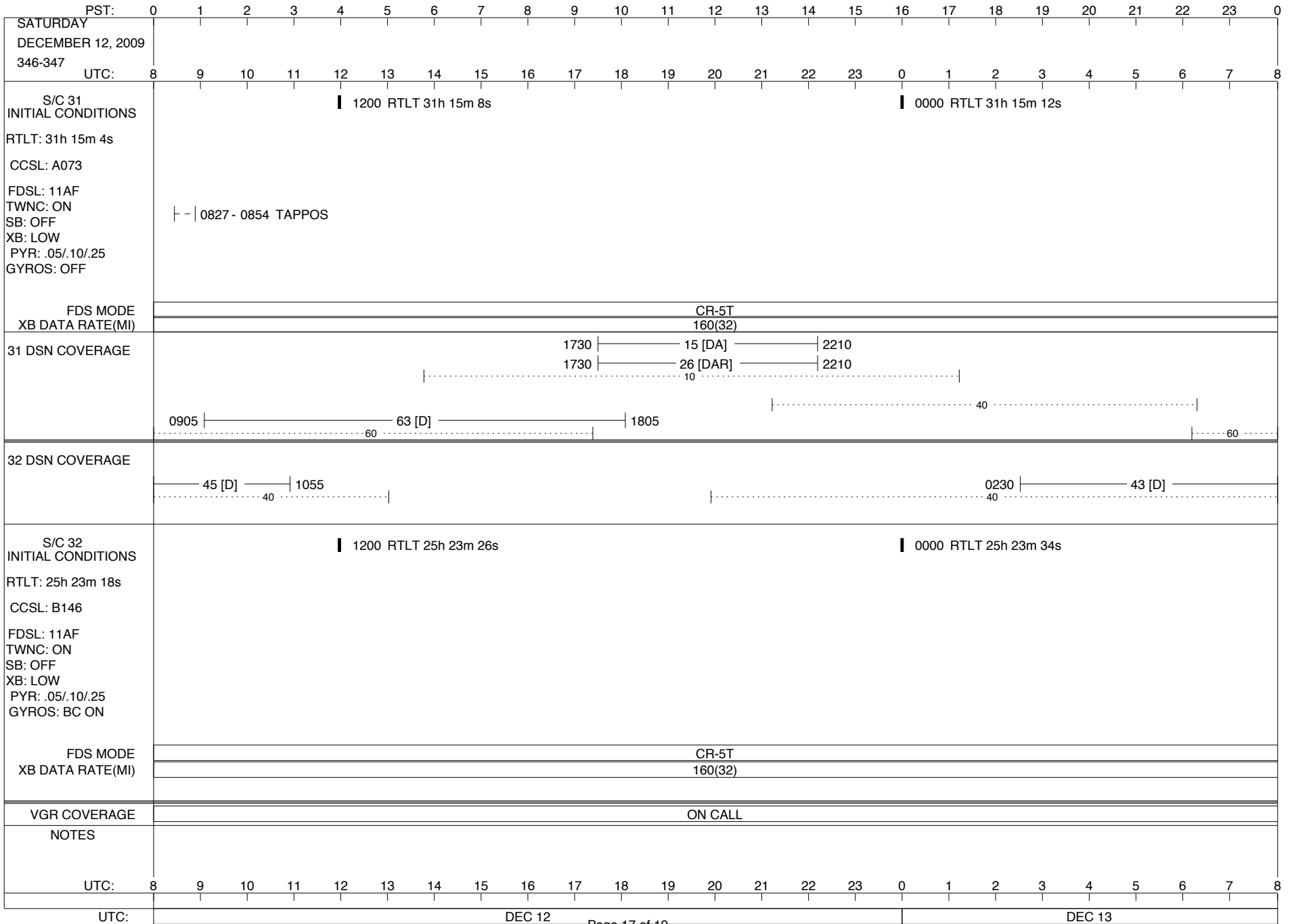
| PST: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 |
|--|---|---|----|----|----|----|----|----|----|----|----|----|--------------------------------|----|----|----|----|----|---------|----|----|----|----|----|---|
| WEDNESDAY DECEMBER 9, 2009 343-344 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 31h 14m 42s | | | | | | | | | | | | 0000 RTLT 31h 14m 46s | | | | | | | | | | | | |
| RTLT: 31h 14m 38s | 1558 ----- MAGCAL ----- 1913 | | | | | | | | | | | | 1558 ----- PESCAL ----- 1931 | | | | | | | | | | | | |
| CCSL: A073 | 1953 1957 IMPLEMENT RFLOSS FPA MOD - ECR 108662 | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF | * 2112 2131 TLMPRG | | | | | | | | | | | | | | | | | | | | | | | | |
| TWNC: ON | ----- TLC (SHORT-FORM) ----- D/L 0018 | | | | | | | | | | | | | | | | | | | | | | | | |
| SB: OFF | * * 2051 EL-40 ↓ ↓ 2131 CR-5T | | | | | | | | | | | | | | | | | | | | | | | | |
| XB: LOW | FDS MODE CR-5T | | | | | | | | | | | | CR-5T | | | | | | | | | | | | |
| PYR: .05/10/25 | XB DATA RATE(MI) 160(32) | | | | | | | | | | | | 160(32) | | | | | | | | | | | | |
| GYROS: OFF | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | 1810 15 [DA] 1940 | | | | | | | | | | | | 1810 25 [DAR] 1940 | | | | | | | | | | | | |
| | 1920 ----- 14 [D] ----- 0015 | | | | | | | | | | | | 10----- 40----- | | | | | | | | | | | | |
| | 1535 ----- 63 [D] ----- 1815 | | | | | | | | | | | | 60----- 60----- | | | | | | | | | | | | |
| 32 DSN COVERAGE | 43 [D] 0920 | | | | | | | | | | | | 0310 ----- 43 [D] ----- | | | | | | | | | | | | |
| | 40----- | | | | | | | | | | | | 40----- | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS | 1200 RTLT 25h 22m 40s | | | | | | | | | | | | 0000 RTLT 25h 22m 48s | | | | | | | | | | | | |
| RTLT: 25h 22m 32s | 2302 ----- COMMAND MORATORIUM ----- | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: B146 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | VGR | | | | | | ON CALL | | | | | | |
| NOTES | [1] S/C 31=EL-40 @ 2051 XB=40(30) [2] S/C 31=CR-5T @ 2134 XB=160(32) | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: | DEC 09 | | | | | | | | | | | | Page 14 of 19 | | | | | | DEC 10 | | | | | | |

ISSUE DATE: 12/02/09 23:22

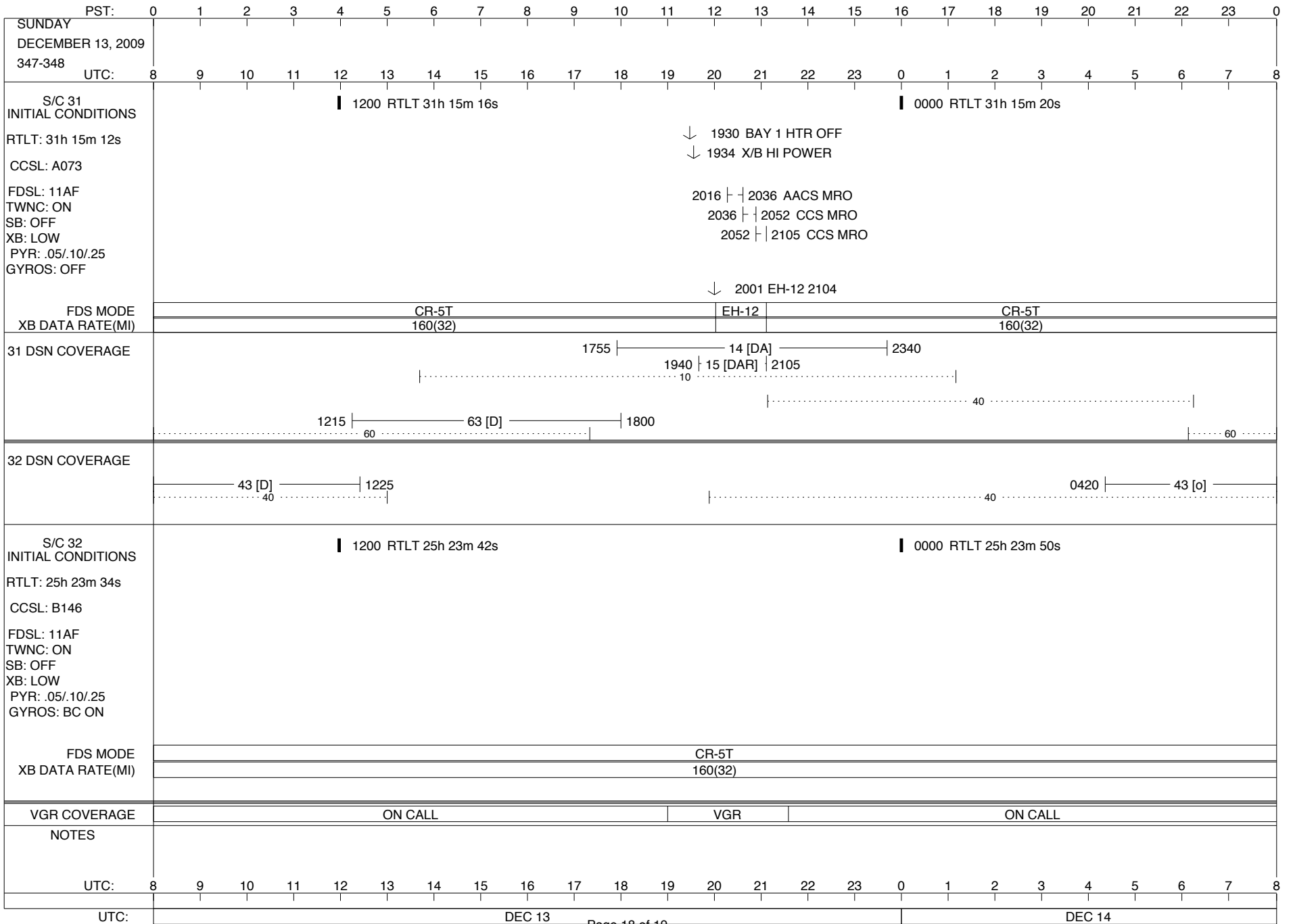
| PST: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 |
|---|--|---|----|----|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|---|
| THURSDAY DECEMBER 10, 2009 344-345 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: 31h 14m 46s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | █ 1200 RTLT 31h 14m 50s | | | | | | | | | | | | █ 0000 RTLT 31h 14m 54s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | 1810 ----- 24 [DA] ----- 0000 1810 ----- 25 [DAR] ----- 0000 ----- 10 ----- 40 ----- 60 | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | 43 [D] ----- 1115 ----- 40 | | | | | | | | | | | | 2325 ----- 45 [D] ----- 0445 ----- 40 ----- 0535 ----- 43 [D] | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 25h 22m 48s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | █ 1200 RTLT 25h 22m 56s | | | | | | | | | | | | █ 0000 RTLT 25h 23m 4s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | VGR ON CALL | | | | | | | | | | | | |
| NOTES | ----- COMMAND MORATORIUM ----- | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | ↓ 2355 GYROS BC ON ↓ 2355 GYRO INIT ↓ 0005 GYRO FAULT TEST 0056 0102 CCSTIM(B) | | | | | | | | | | | | |
| 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: | DEC 10 | | | | | | | | | | | | DEC 11 | | | | | | | | | | | | |

| 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 DECEMBER 11, 2009 345-346 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: 31h 14m 54s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | █ 1200 RTLTL 31h 14m 58s | | | | | | | | | | | | █ 0000 RTLTL 31h 15m 4s | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | CR-5T | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | 160(32) | | | | | | | | | | | | |
| 31 DSN COVERAGE | 60 1720 14 [D] 2345 40 60 | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | 40 43 [D] 1255 40 0400 45 [D] | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 25h 23m 4s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON | █ 1200 RTLTL 25h 23m 12s | | | | | | | | | | | | █ 0000 RTLTL 25h 23m 18s | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | CR-5T | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | 160(32) | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | [1] S/C 31=GS-4B @ 0619 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: | DEC 11 | | | | | | | | | | | | DEC 12 | | | | | | | | | | | | |

ISSUE DATE: 12/02/09 23:22



ISSUE DATE: 12/02/09 23:22



ISSUE DATE: 12/02/09 23:22

| 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 DECEMBER 14, 2009 348-349 | 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: 31h 15m 20s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF | 1200 RTLT 31h 15m 24s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | | |
| 31 DSN COVERAGE | <p>1205 -----63 [D]----- 1755</p> <p>60</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | <p>43 [o]----- 1205</p> <p>40</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 25h 23m 50s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON | 1200 RTLT 25h 23m 58s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | | |
| VGR COVERAGE | 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: | DEC 14 | | | | | | | | | | | | | DEC 15 | | | | | | | | | | | | | |