

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: March 24, 2004

For the Period: 03/25/04 to 04/11/04 (04-085 - 04-102)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

*Zsarina.Bulchand@jpl.nasa.gov
 *gdyke@airmail.ftops.jpl.nasa.gov
 *John.M.Grant@jpl.nasa.gov
 *dmcclena@airmail.ftops.jpl.nasa.gov
 *pqach@airmail.ftops.jpl.nasa.gov
 *mrobles@airmail.ftops.jpl.nasa.gov
 *rwilliam@airmail.ftops.jpl.nasa.gov

OTHER (2)

Espejo, P. 507-215
 Wallace, L 507-215
 * KMassey@jgld.gdscc.nasa.gov
 * Byron.G.Yetter@jpl.nasa.gov
 * Belinda.Arroyo@jpl.nasa.gov
 * Ruben.P.Espinueva@jpl.nasa.gov
 * Karen.E.Yetter@jpl.nasa.gov
 * MCarmichael@jftl.jpl.nasa.gov

SCIENCE (1)

Wong, R. 600-100
 CRS *bryant@mail630.gsfc.nasa.gov
 LECP *r.decker@jhuapl.edu
 UVS *holburg@argus.lpl.arizona.edu
 MAG *u2mha@lepvox.gsfc.nasa.gov
 PLS *vgr@space.mit.edu
 PWS *wsk@space.physics.uiowa.edu
 *Leonard.F.Burlaga@nasa.gov
 *Donald-Gurnett@uiowa.edu

FLIGHT TEAM (17) 600-100

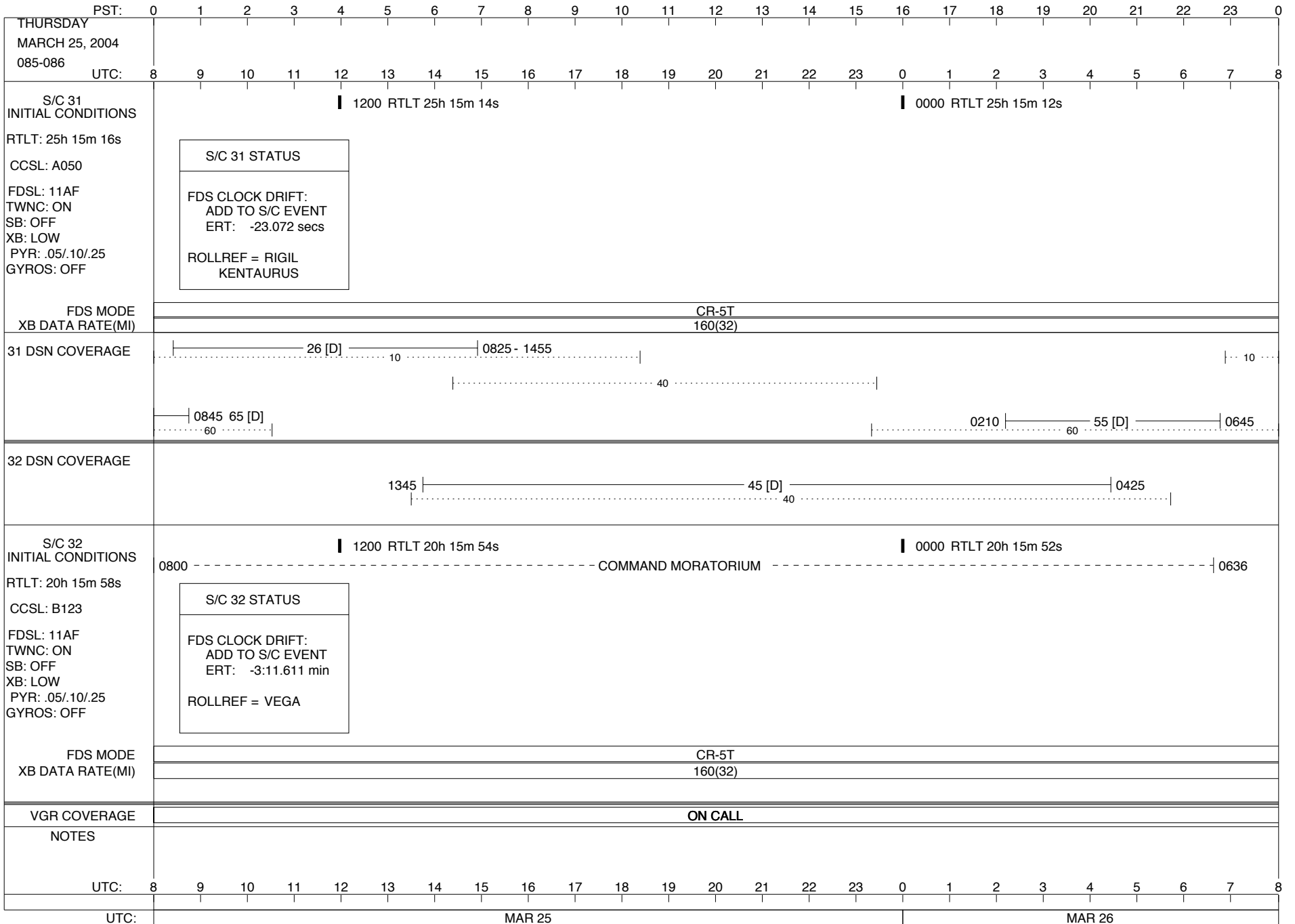
Hall, J.
 Hogle, T. (2)
 Howard, S. (3)
 Ludwig, R. (2)
 Massey, Ed
 Matsumoto, S.
 Medina (AACS)
 Poynter, R.
 Presley (3) (DSE)
 Weeks, T.
 Zottarelli, L.
 *charlotte.m.weiss@jpl.nasa.gov
 *odivers@san.rr.com

NOPEs (1) 507-120
 Millner, I

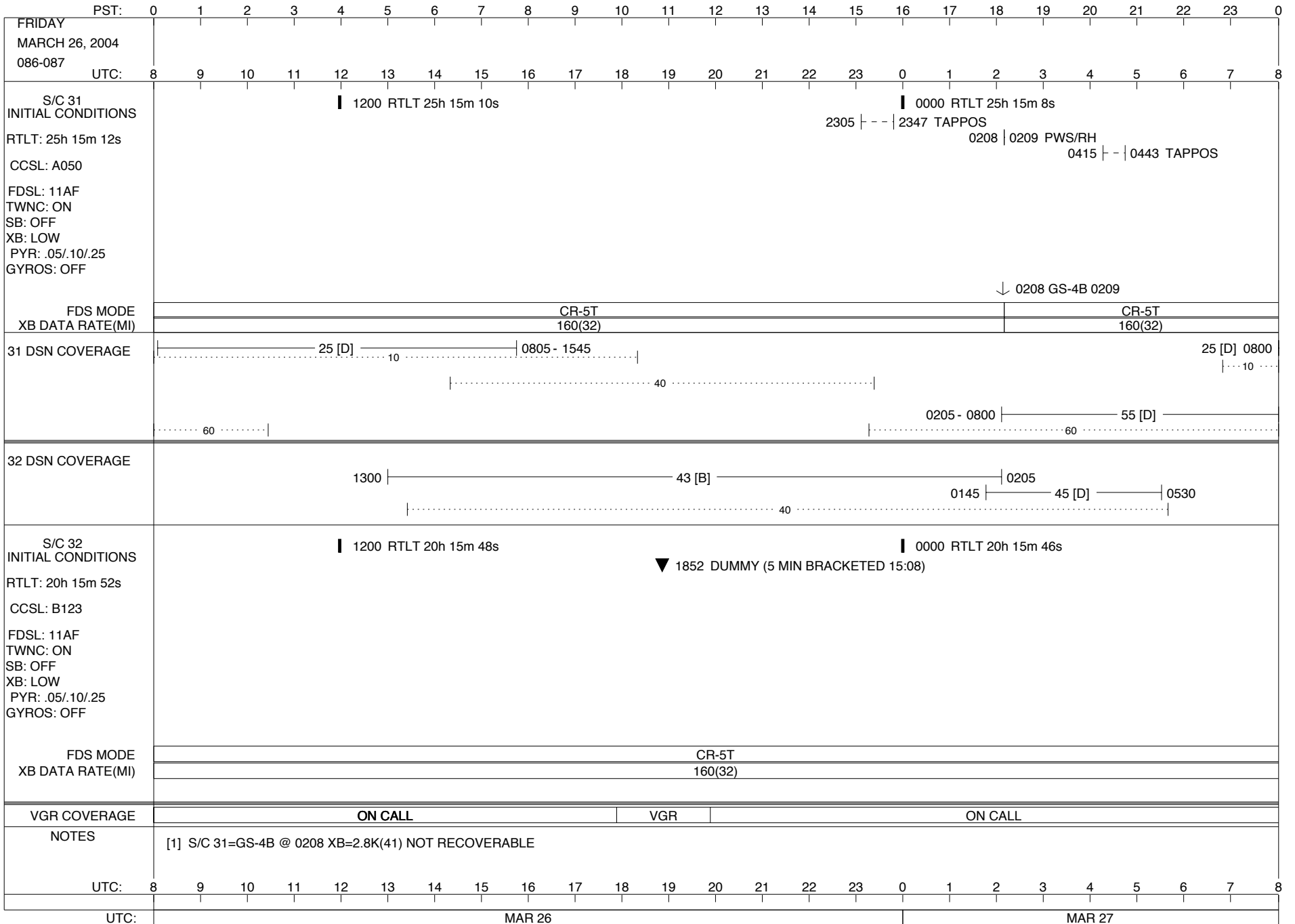
LEGEND: ∇ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 D = Downlink only pass
 A = Arrayed station
 U = Uplink only pass
 B = BLF
 [o] = Ramp-through
 H = High Power Transmitter
 T = TLC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

*Electronic Copy Only
 (23 – Dist/N: Paper Copies)
 11/25/03

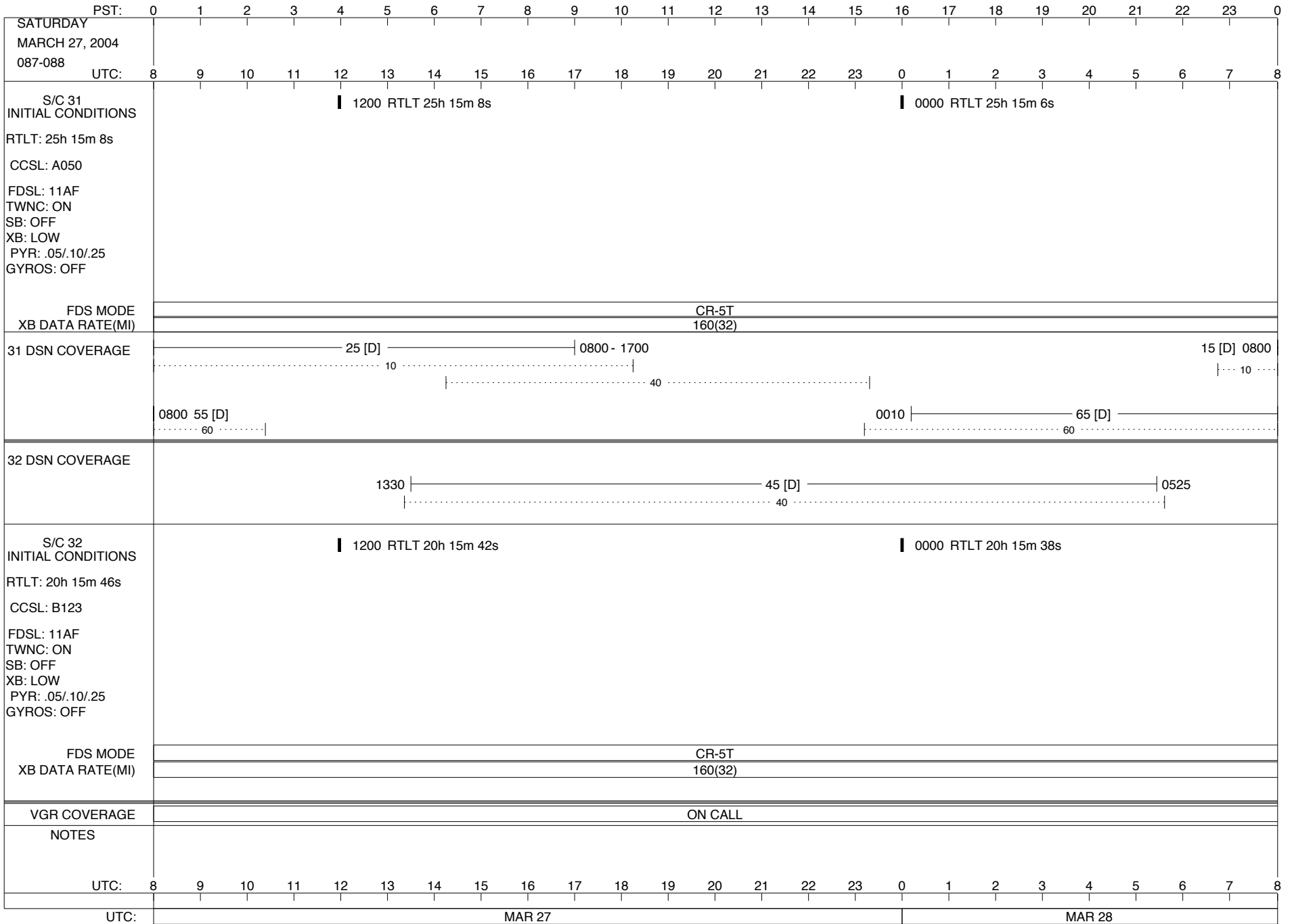
ISSUE DATE: 03/24/04 14:54



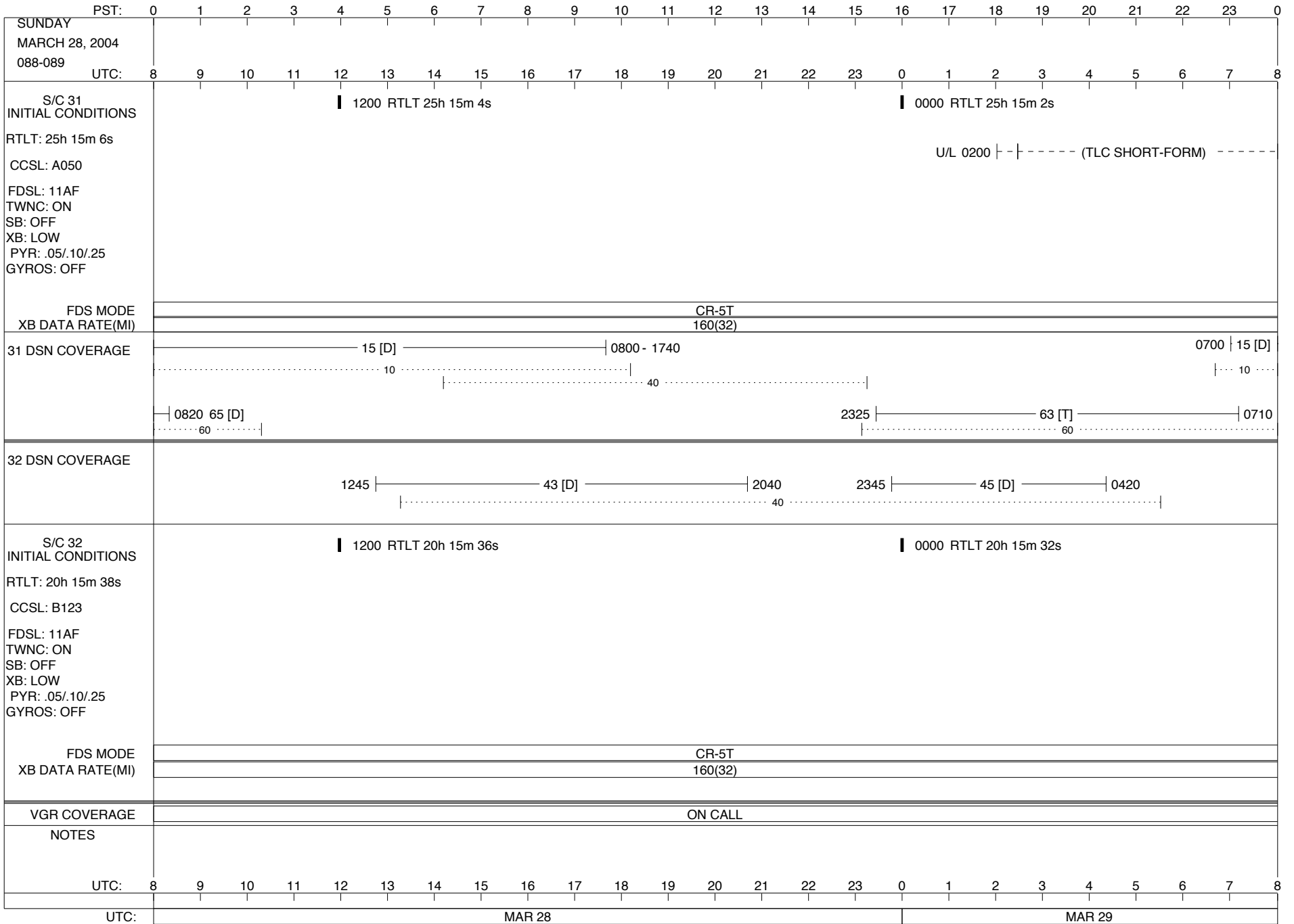
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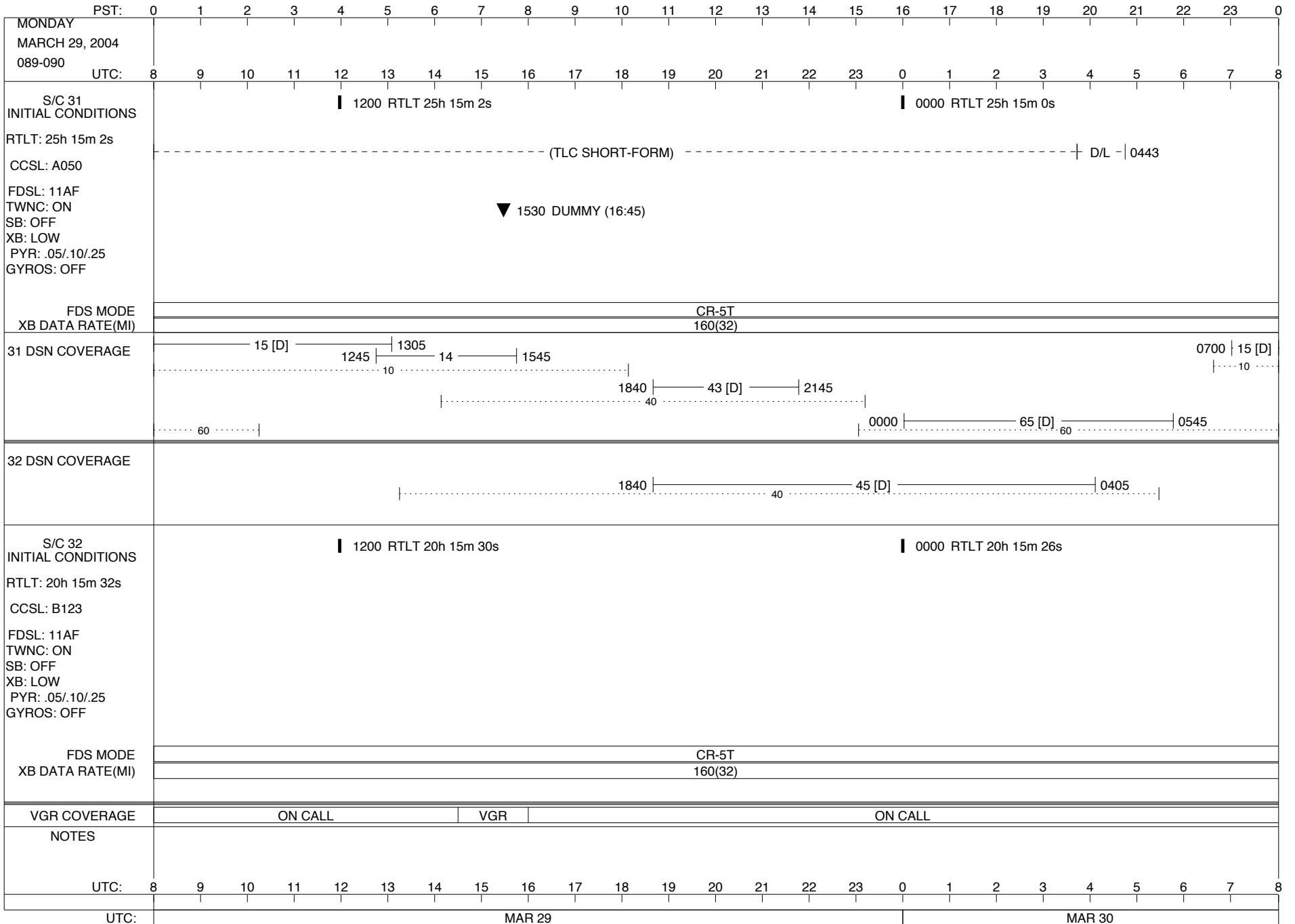
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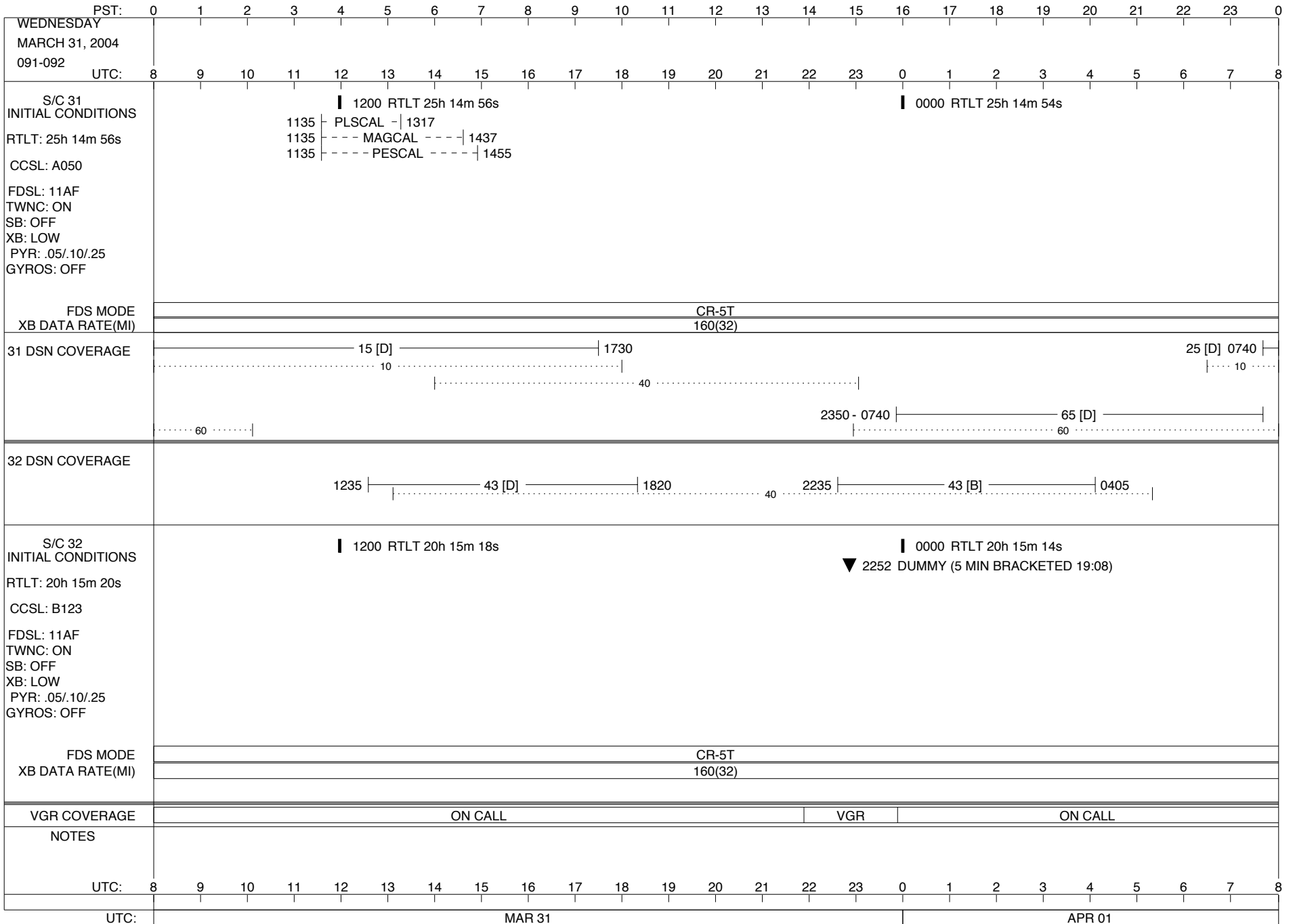
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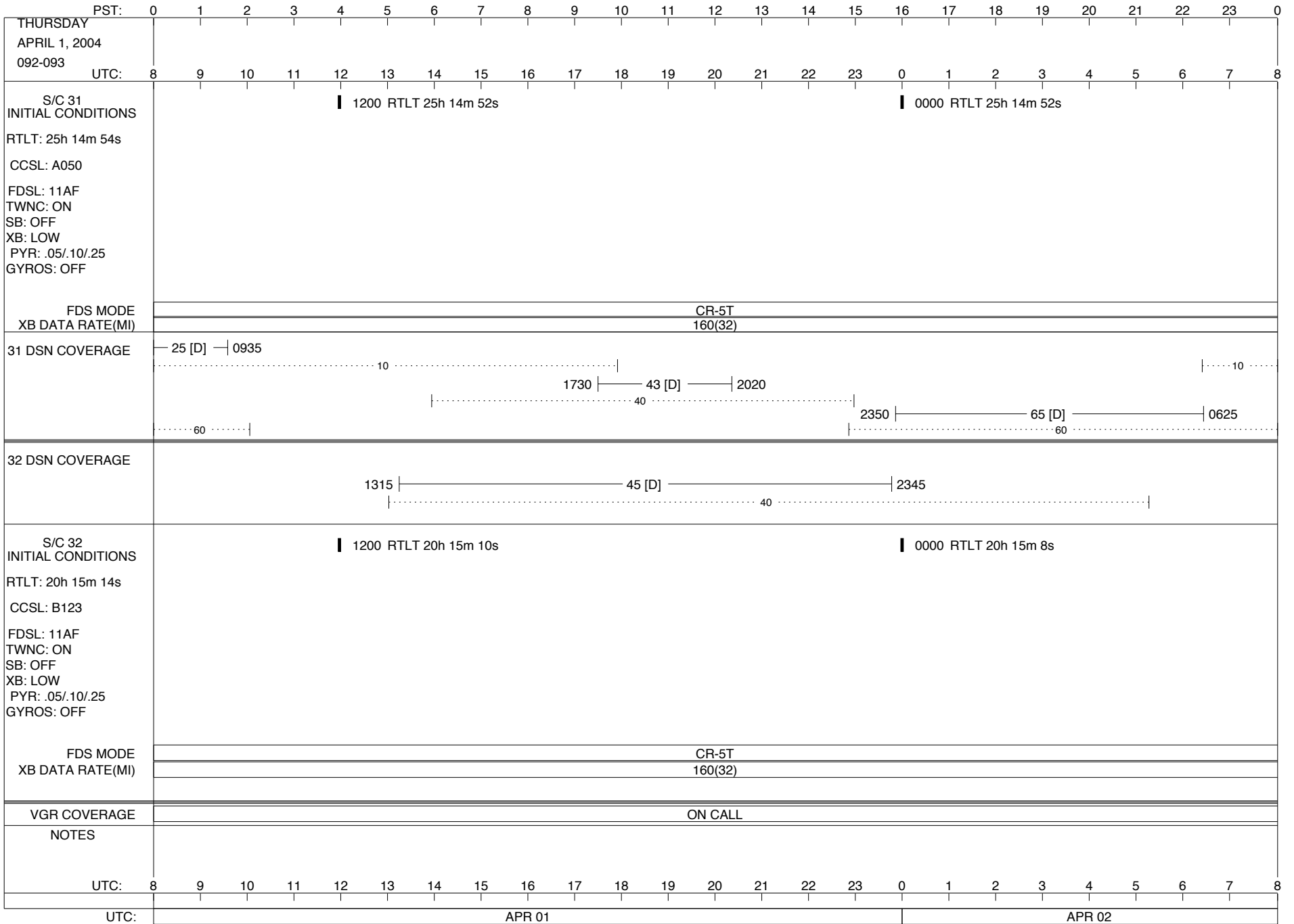
ISSUE DATE: 03/24/04 14:54

| 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 MARCH 30, 2004 090-091 | 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: 25h 15m 0s CCSL: A050 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | <div style="display: flex; justify-content: space-between;"> 1200 RTLTL 25h 14m 58s 0000 RTLTL 25h 14m 56s </div> <div style="text-align: center; margin-top: 10px;">1944 1944 PWS/RH</div> <div style="text-align: center; margin-top: 10px;">↓ 1944 GS-4B 1944</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">FDS MODE XB DATA RATE(MI)</td> <td style="width: 50%; text-align: center;">CR-5T 160(32)</td> </tr> <tr> <td style="width: 50%;"></td> <td style="width: 50%; text-align: center;">CR-5T 160(32)</td> </tr> </table> | | | | | | | | | | | | | | | | | | | | | | | | FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | CR-5T 160(32) |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CR-5T 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | <div style="display: flex; justify-content: space-between;"> 15 [D] 1735 0700 15 [D] </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> 10 40 2355 - 0715 65 [D] 60 </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | <div style="display: flex; justify-content: space-between; margin-top: 10px;"> 1535 40 43 [o] 0405 </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 20h 15m 26s CCSL: B123 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | <div style="display: flex; justify-content: space-between;"> 1200 RTLTL 20h 15m 24s 0000 RTLTL 20h 15m 20s </div> <div style="text-align: center; margin-top: 10px;">1836 1837 PWS/RH</div> <div style="text-align: center; margin-top: 10px;">↓ 1836 GS-4B 1837</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">FDS MODE XB DATA RATE(MI)</td> <td style="width: 50%; text-align: center;">CR-5T 160(32)</td> </tr> <tr> <td style="width: 50%;"></td> <td style="width: 50%; text-align: center;">CR-5T 160(32)</td> </tr> </table> | | | | | | | | | | | | | | | | | | | | | | | | FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | CR-5T 160(32) |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CR-5T 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | <p>[1] S/C 31=GS-4B @ 1944 XB=2.8K(41) NOT RECOVERABLE</p> <p>[2] S/C 32=GS-4B @ 1836 XB=2.8K(41) NOT RECOVERABLE</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: | MAR 30 | | | | | | | | | | | | MAR 31 | | | | | | | | | | | | | | | |

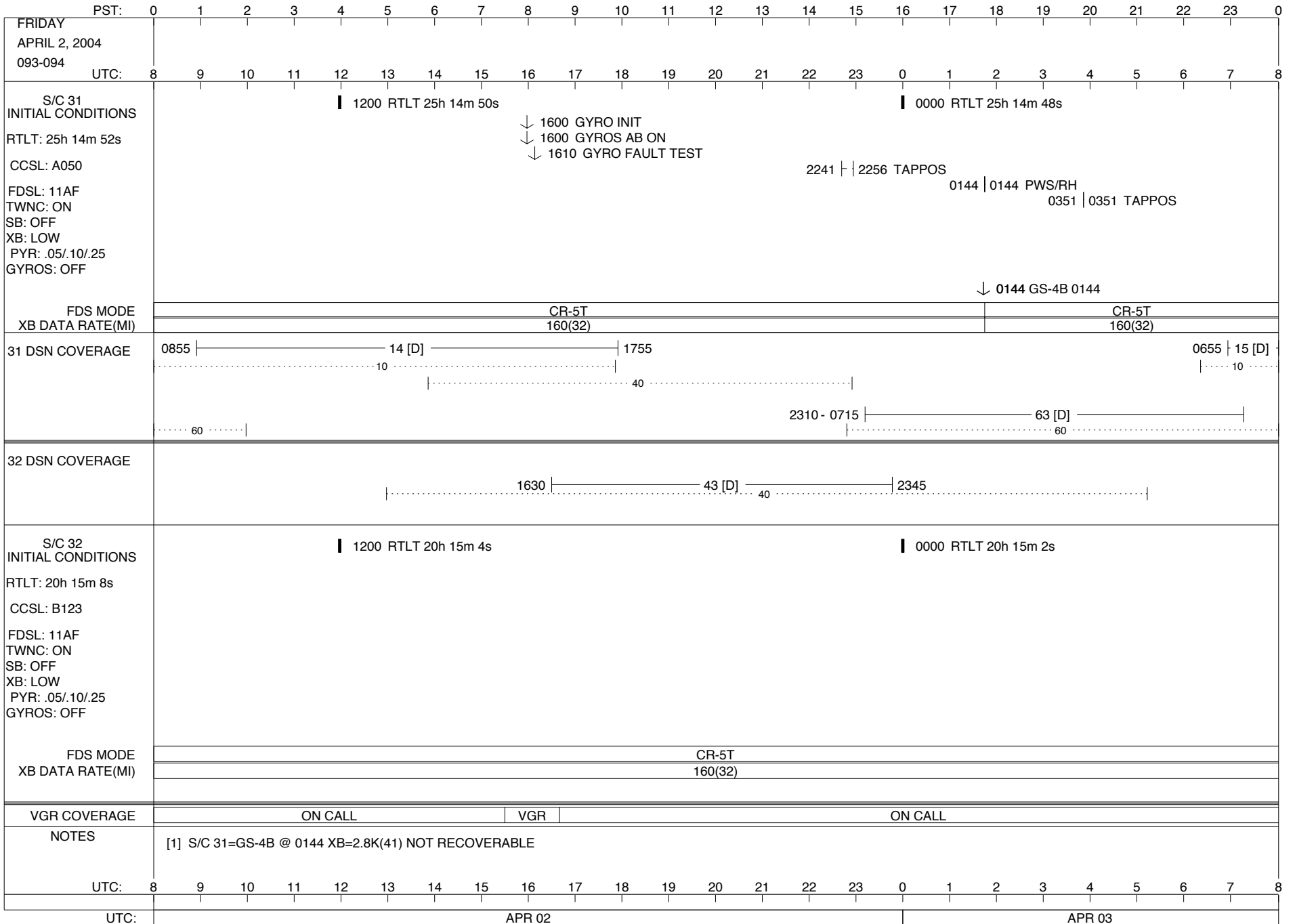
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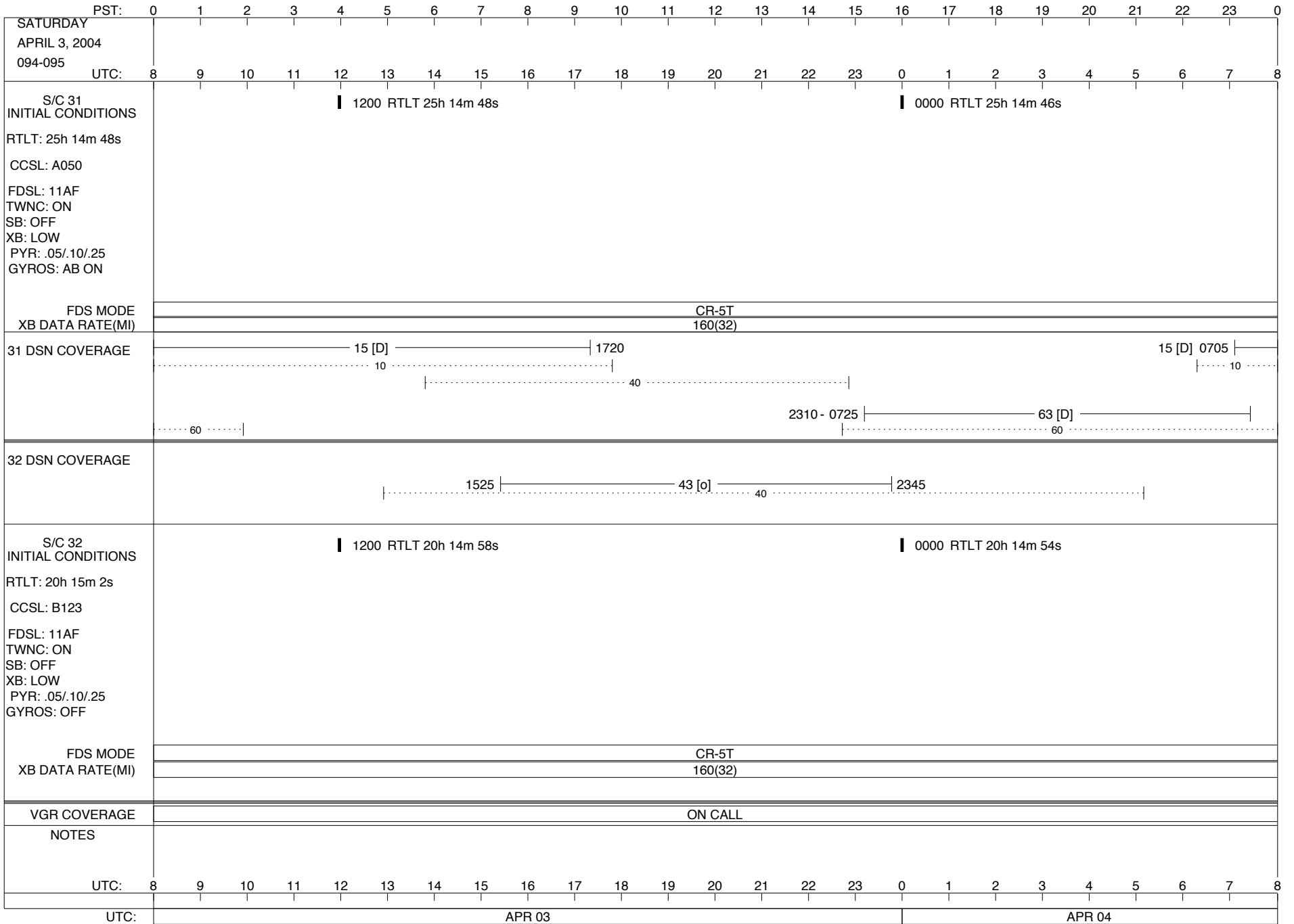
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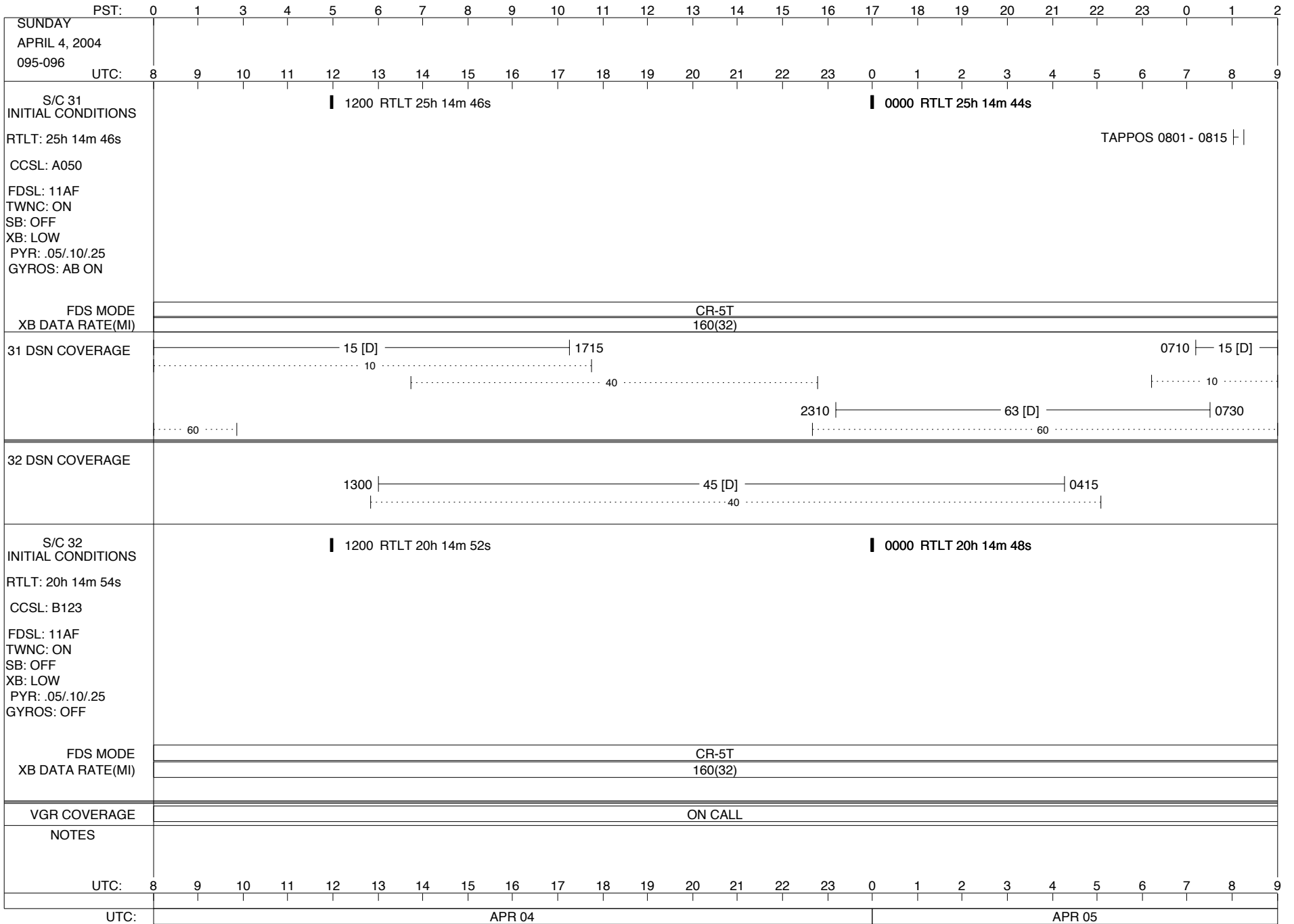
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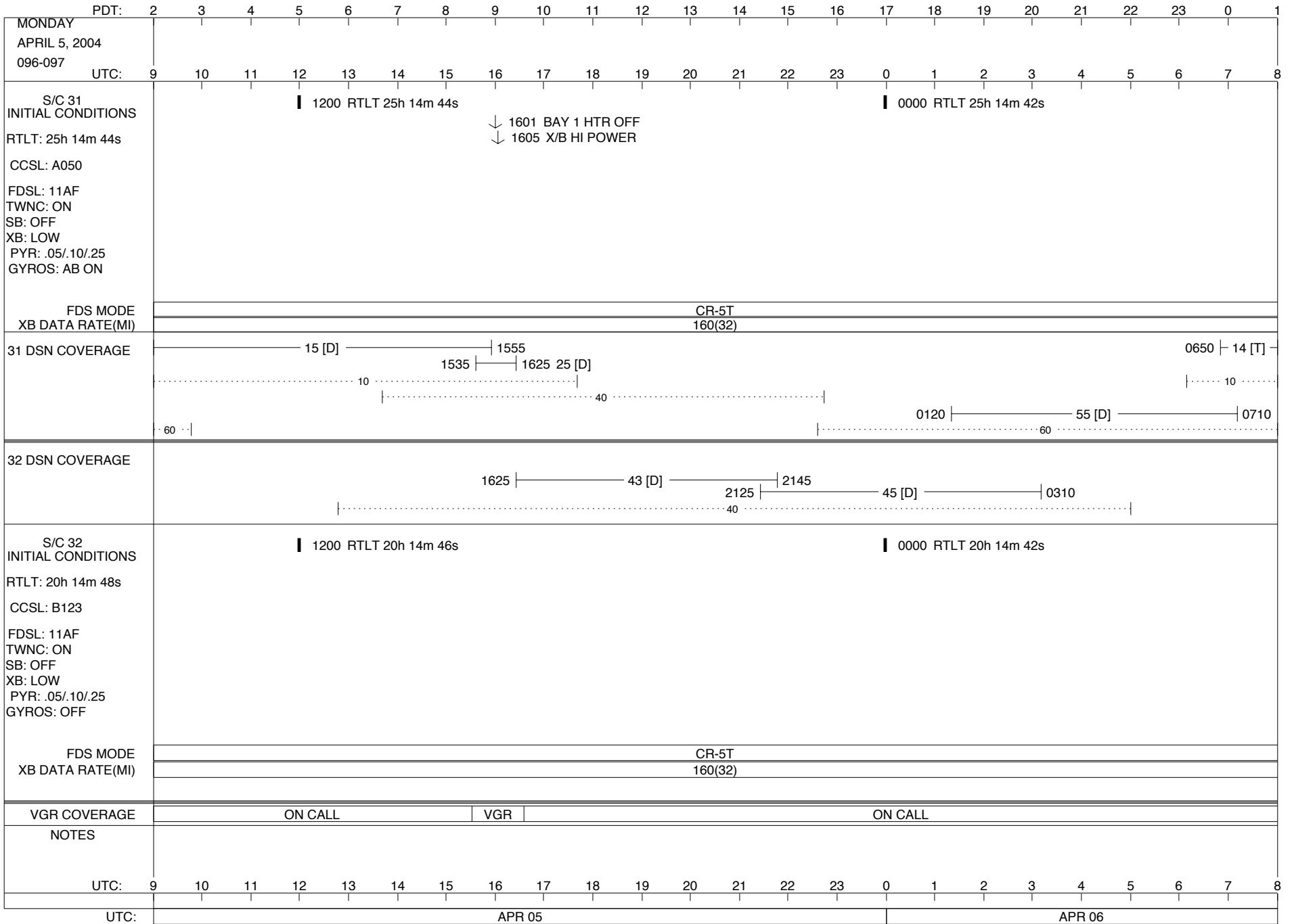
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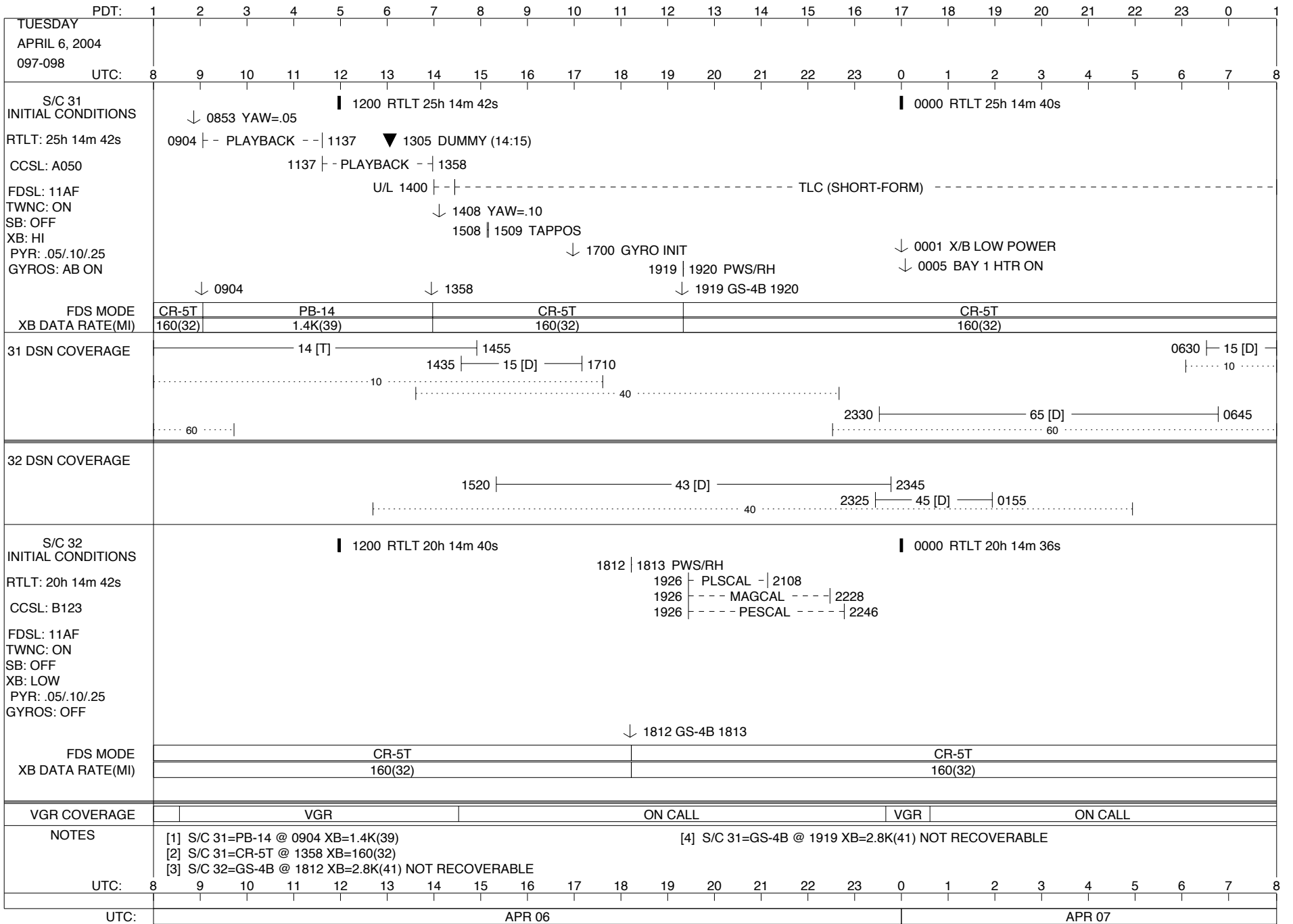
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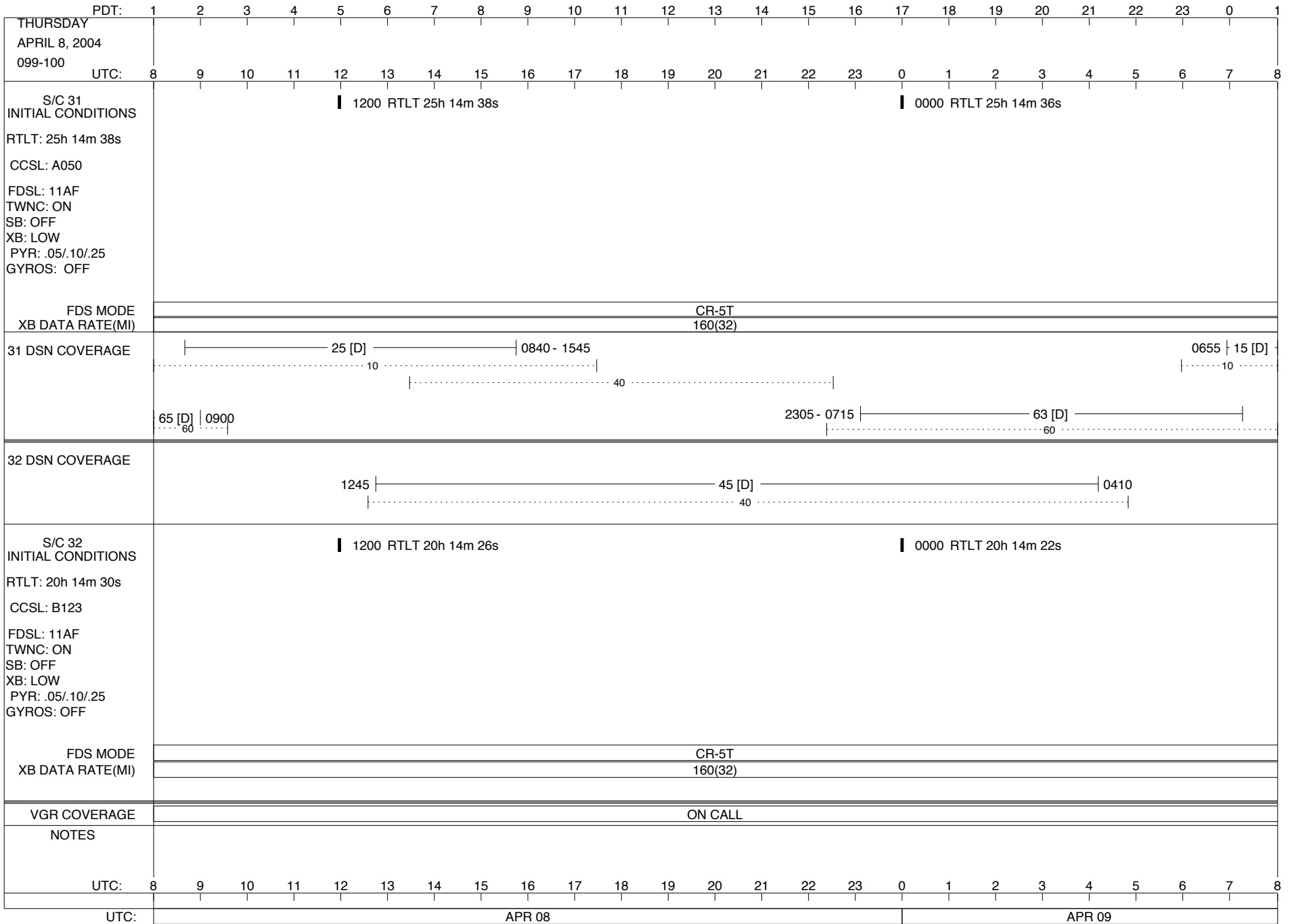
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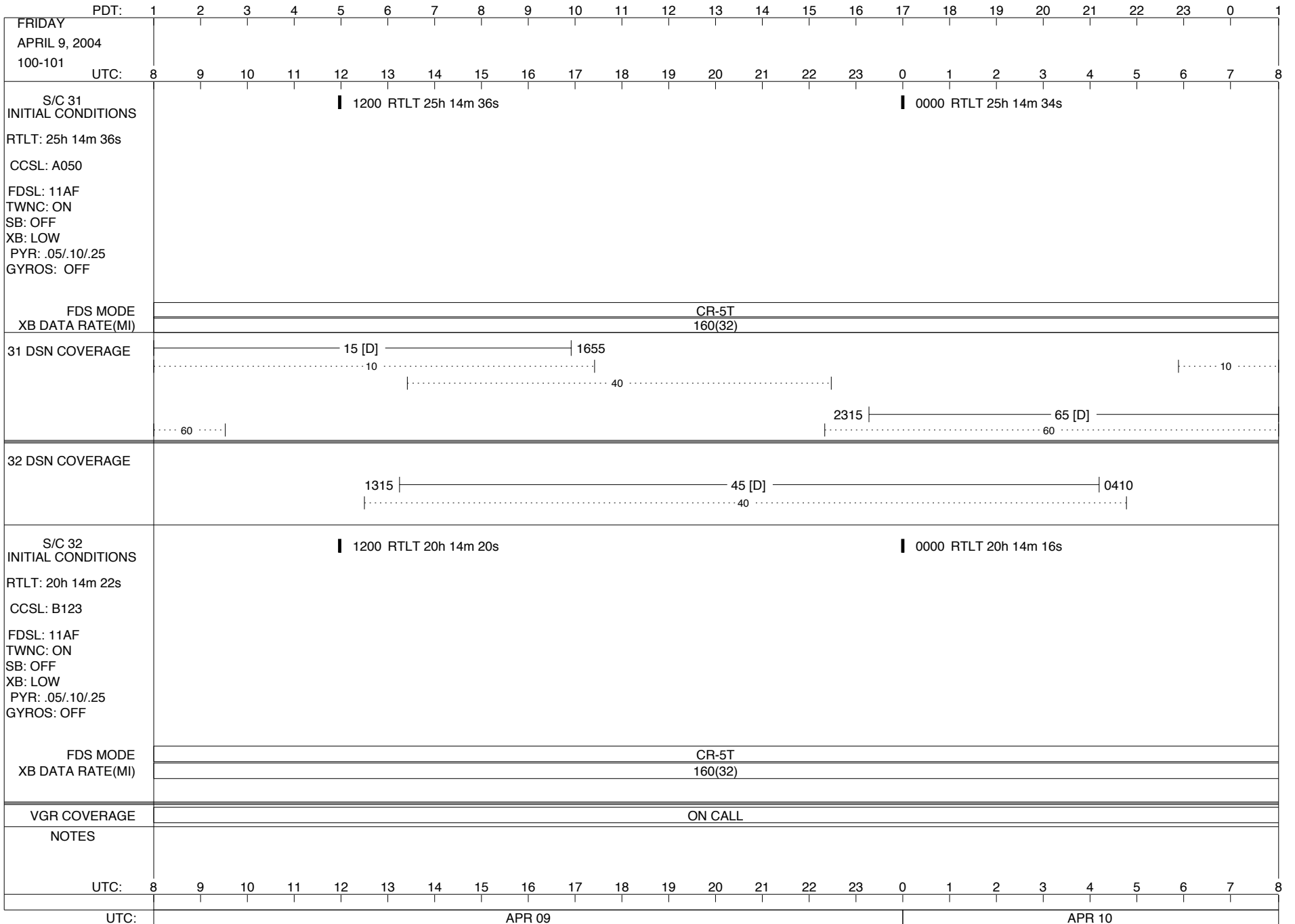
ISSUE DATE: 03/24/04 14:54

| PDT: | 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 | | | | | | | | | | |
|--|---|---|----|----|----|----|----|-----|----|----|----|----|----|----|--|----|----|----|------------------|----|----|-----|----|---|---|--|--|--|---------|--|--|--|--|--|--|
| 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 | | | | | | | | | | |
| WEDNESDAY APRIL 7, 2004 098-099 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 31 INITIAL CONDITIONS RTLT: 25h 14m 40s CCSL: A050 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AB ON | 1200 RTLT 25h 14m 40s 1508 MEM U/D ENA AHEL1 1511 1512 CCS MRO TLC (SHORT-FORM) -----+ D/L - 1642 | | | | | | | | | | | | | | 0000 RTLT 25h 14m 38s 0016 ALL DB=.05 0032 AAI 0033 --- 0110 ASCAL 0108 RAI 0110 GYROS OFF 0110 CRU 0119 YAW=.10 0119 ROLL=.25 | | | | | | | | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | | | EL-40 40(30) | | | | CR-5T 160(32) | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 20h 14m 36s CCSL: B123 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLT 20h 14m 32s 1652 DUMMY (5 MIN BRACKETED 13:07) | | | | | | | | | | | | | | 0000 RTLT 20h 14m 30s | | | | | | | | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | VGR | | | | | | | ON CALL | | | | | | | VGR | | | | | | | ON CALL | | | | | | |
| NOTES | [1] S/C 31=EL-40 @ 0001 XB=40(30) [2] S/C 31 - D/L /SNR VARIATIONS EXPECTED DURING ASCAL (0033-0110) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: | APR 07 | | | | | | | | | | | | | | APR 08 | | | | | | | | | | | | | | | | | | | | |

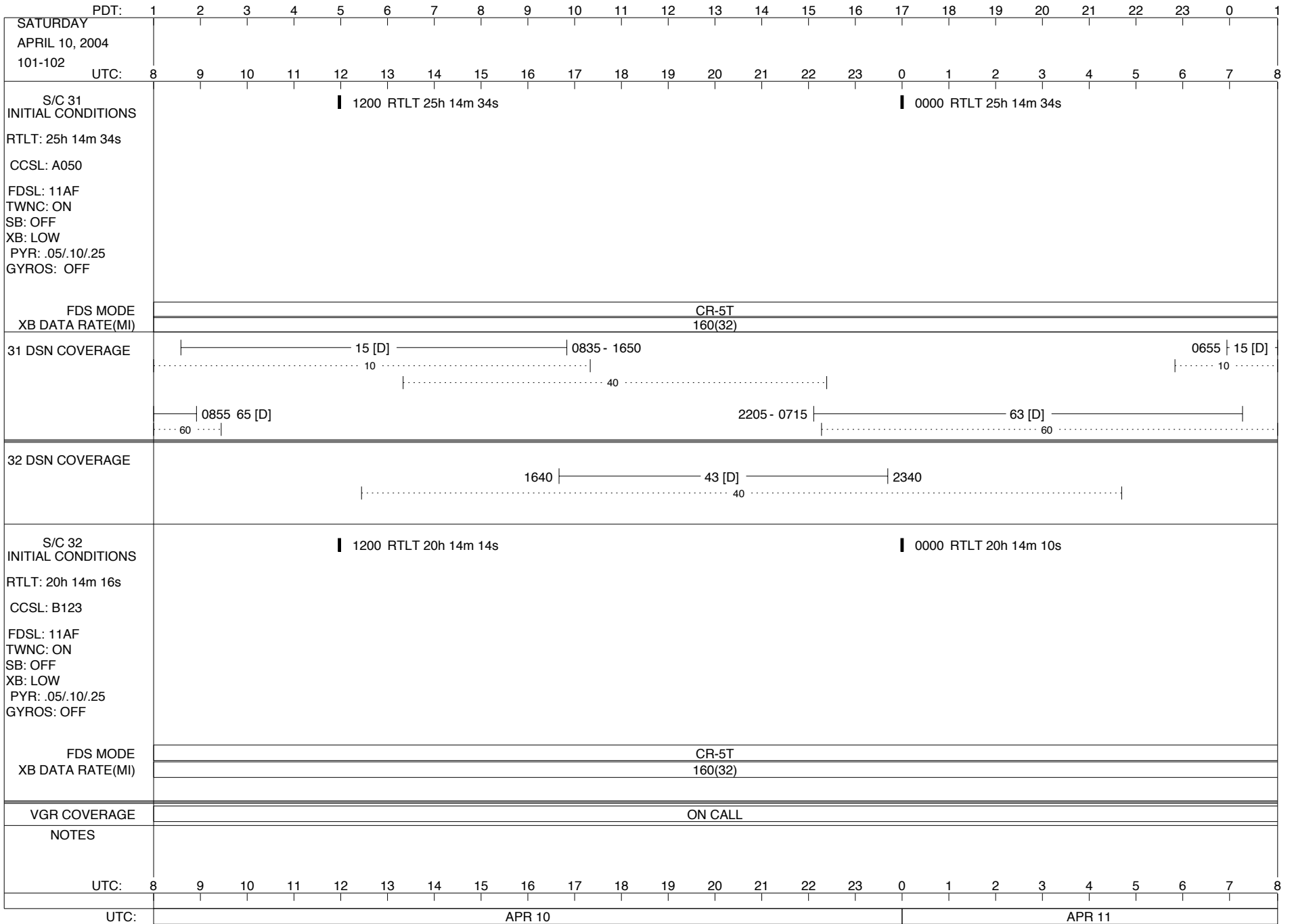
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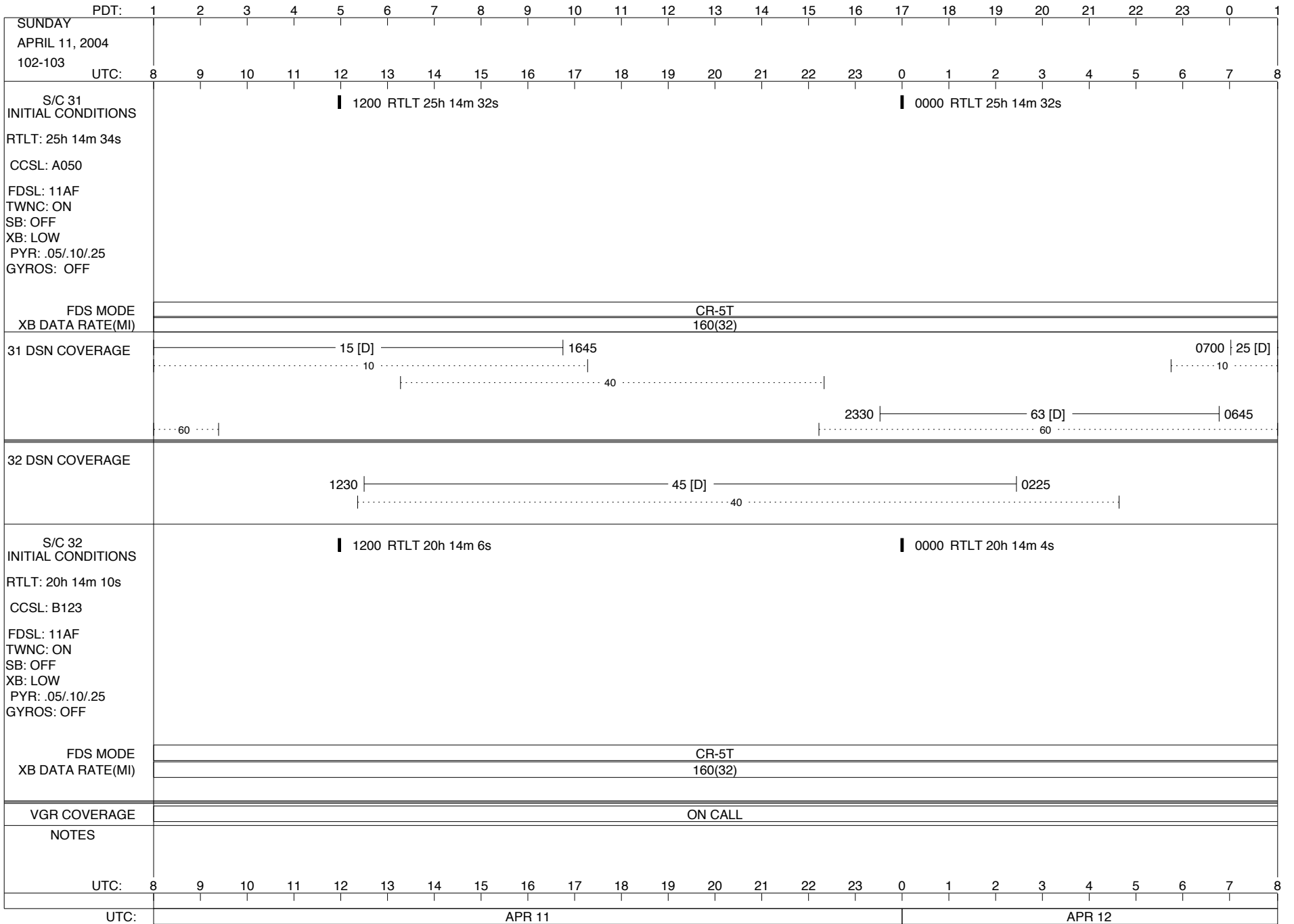
ISSUE DATE: 03/24/04 14:54



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| PDT: | 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 | | | |
|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|------------------|----|----|----|----|----|----|----|----|---|---|--|--|--|
| 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 | | | |
| MONDAY APRIL 12, 2004 103-104 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 31 INITIAL CONDITIONS RTLT: 25h 14m 32s CCSL: A050 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | <div style="text-align: center;"> <p>1200 RTLT 25h 14m 32s</p> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | | |
| 31 DSN COVERAGE | <div style="text-align: center;"> <p>25 [D] 1555</p> <p>..... 10 </p> <p> 40 </p> <p>..... 60 </p> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 20h 14m 4s CCSL: B123 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | <div style="text-align: center;"> <p>1200 RTLT 20h 14m 0s</p> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: | APR 12 | | | | | | | | | | | | | | APR 13 | | | | | | | | | | | | | |