

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: February 23, 2011

For the Period: 02/24/2011 to 03/21/2011 (11-055 – 11-080)

**DSN OPSCHIEF (1) 230-102**

**SCIENCE**

**FLIGHT TEAM (14) 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
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- \*Donald-Gurnett@uiowa.edu

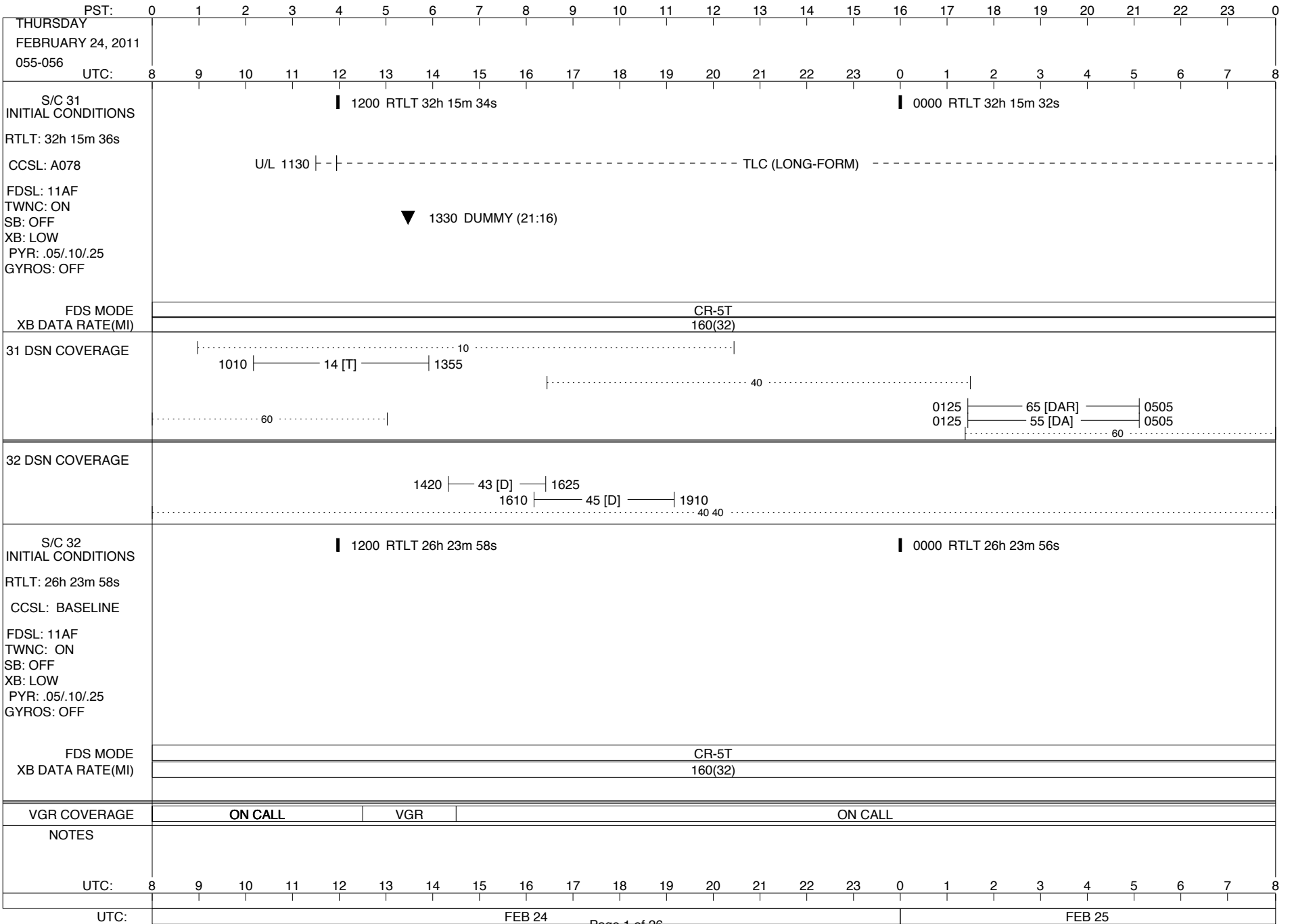
- Dodd, S.
- Hall, J.
- Howard, S. (3)
- Ludwig, R. (2)
- Matsumoto, S.
- Medina, E.
- Peralta, F.
- Weeks, T.
- Wong, R.
- Yang, L
- Zottarelli, L.
- \*odivers1@san.rr.com

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- \* Belinda.Arroyo@jpl.nasa.gov
- \* !DL-DSN-MPSETA@dsn.nasa.gov

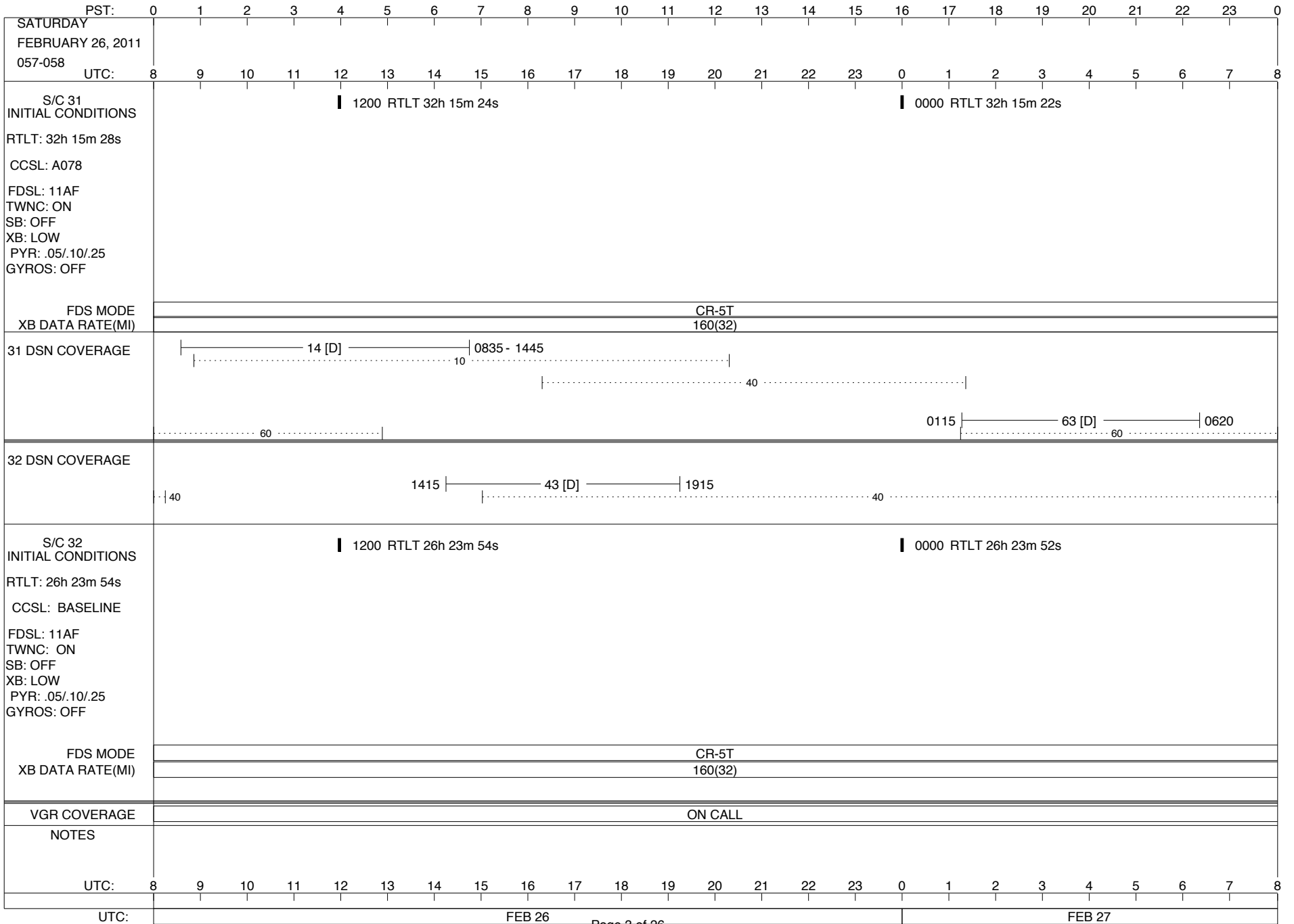
- LEGEND:**
- ▽ = R/T Command (Last chance or Contingency)
  - ▼ = R/T Command (Scheduled)
  - \* = Result of R/T Command
  - n = (where n = 1,2,3 ..) Special Note, see bottom of page
  - A = Arrayed station
  - B = 7-Point BLF
  - D = Downlink only pass
  - H = High Power Transmitter
  - R = Array Reference Antenna
  - T = TLC Uplink
  - U = Uplink only pass
  - [o] = Ramp-through

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

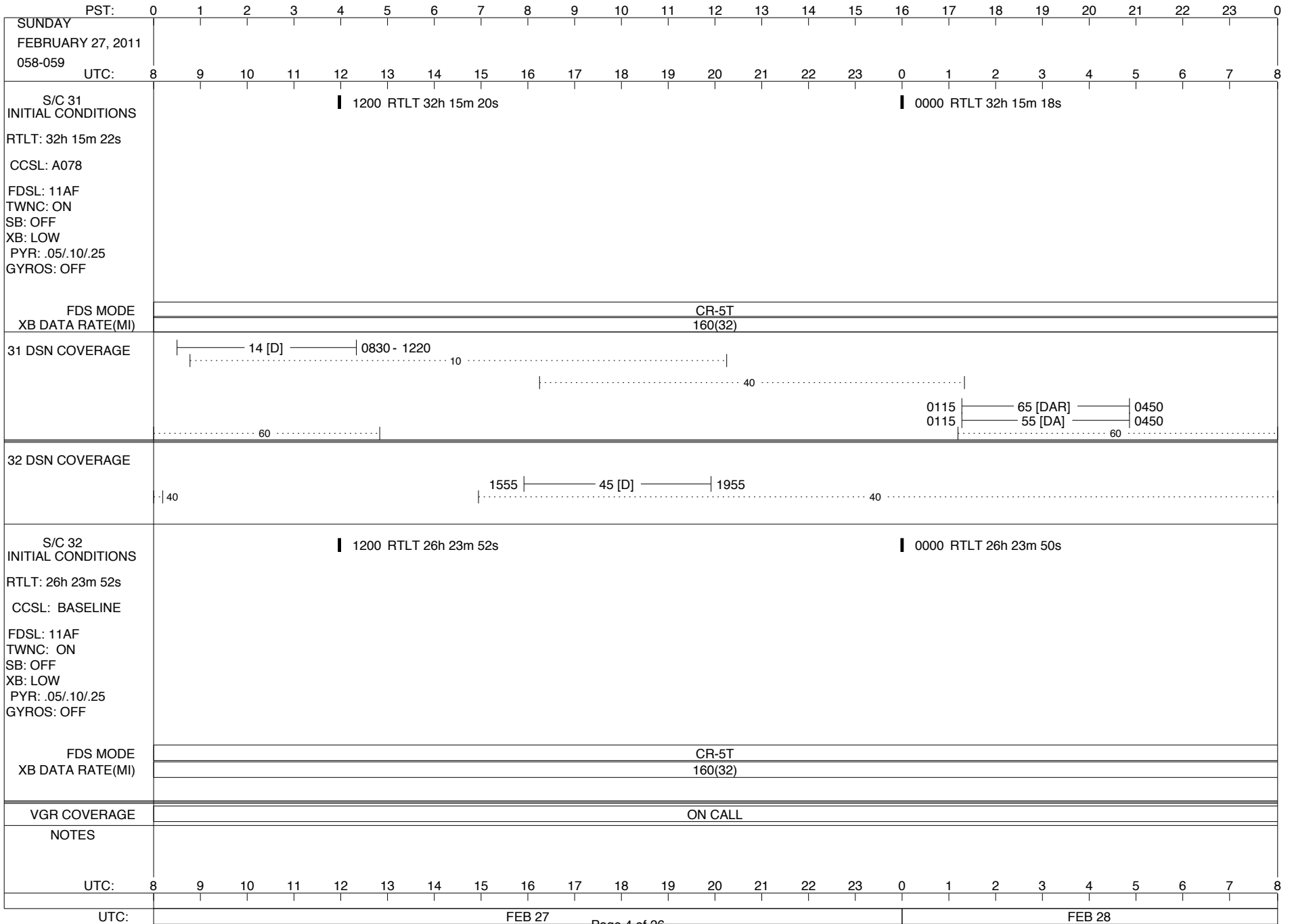


ISSUE DATE: 02/24/11 14:59

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S/C 31 INITIAL CONDITIONS	█ 1200 RTLT 32h 15m 30s												█ 0000 RTLT 32h 15m 28s												
RTLT: 32h 15m 32s																									
CCSL: A078	----- TLC (LONG-FORM) -----   - D/L - -   2144																								
FDSL: 11AF	2300     2314 TAPPOS																								
TWNC: ON	0202   0203 PWS/RH																								
SB: OFF	0409   0410 TAPPOS																								
XB: LOW																									
PYR: .05/.10/.25																									
GYROS: OFF																									
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1130  ----- 14 [D] -----  1445  ----- 10 -----   ----- 40 -----  0120  ----- 63 [D] -----  0635  ----- 60 -----																								
32 DSN COVERAGE	1415  ----- 43 [D] -----  1830  ----- 40 -----   ----- 40 40 -----																								
S/C 32 INITIAL CONDITIONS	█ 1200 RTLT 26h 23m 56s												█ 0000 RTLT 26h 23m 54s												
RTLT: 26h 23m 56s																									
CCSL: BASELINE																									
FDSL: 11AF																									
TWNC: ON																									
SB: OFF																									
XB: LOW																									
PYR: .05/.10/.25																									
GYROS: OFF																									
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 @ 0202 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:	FEB 25												FEB 26												



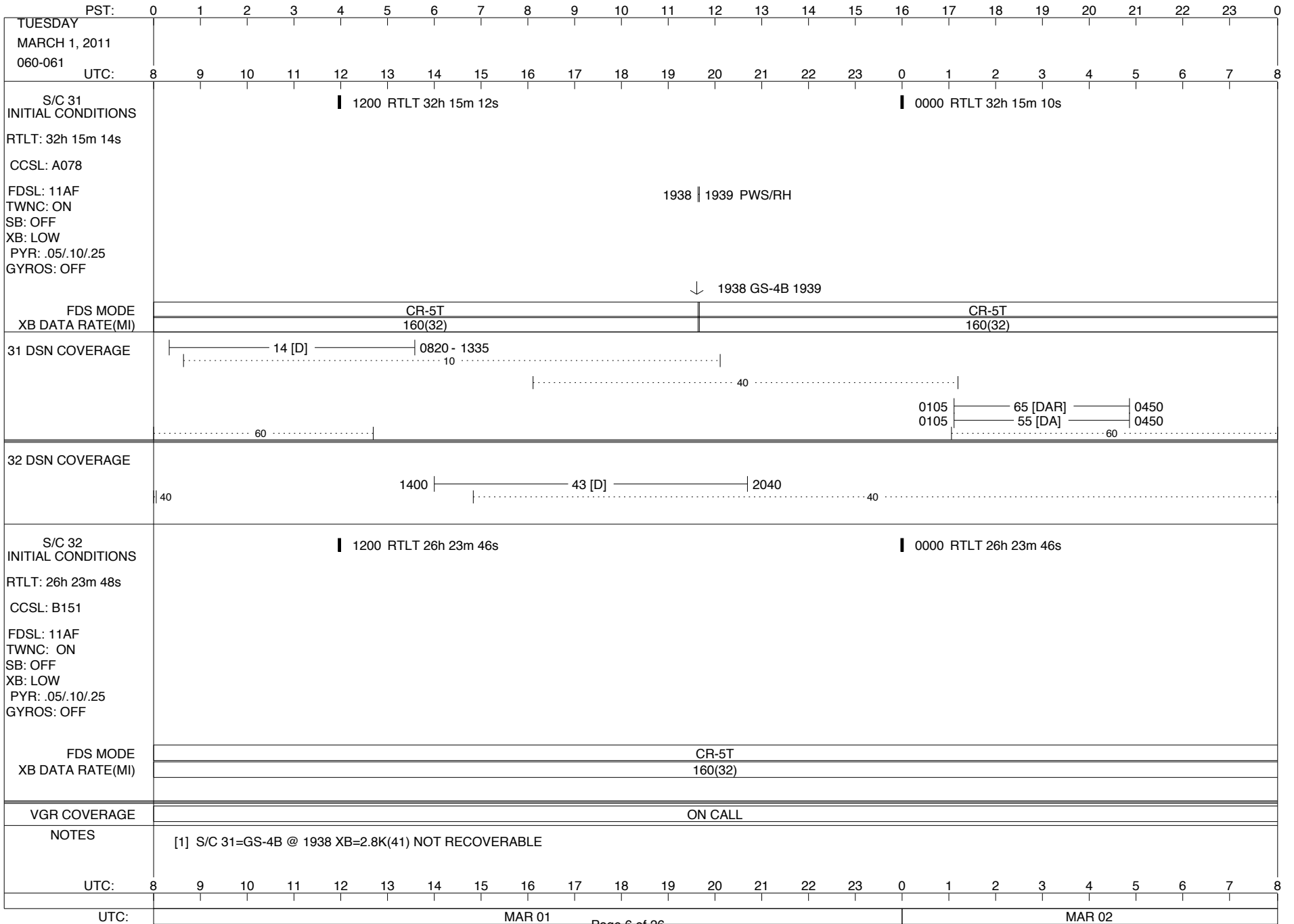
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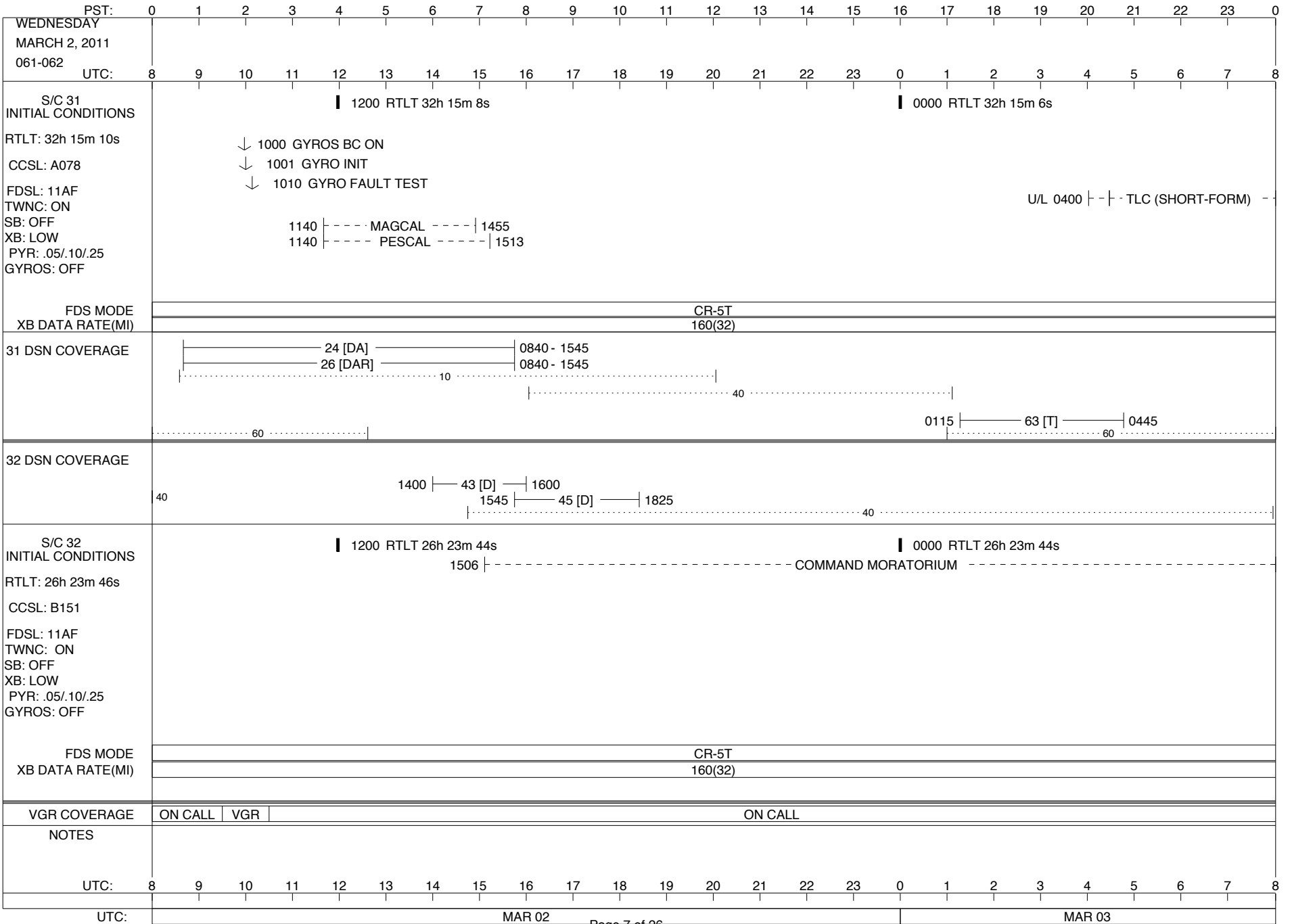


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FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	.....10.....												.....40.....												
	.....60.....												0110  -----63 [D]-----  0445  .....60.....												
32 DSN COVERAGE	40												1420  -----43 [B]-----  1855  .....40.....												
S/C 32 INITIAL CONDITIONS RTLT: 26h 23m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 26h 23m 50s												█ 0000 RTLT 26h 23m 48s												
FDS MODE XB DATA RATE(MI)													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
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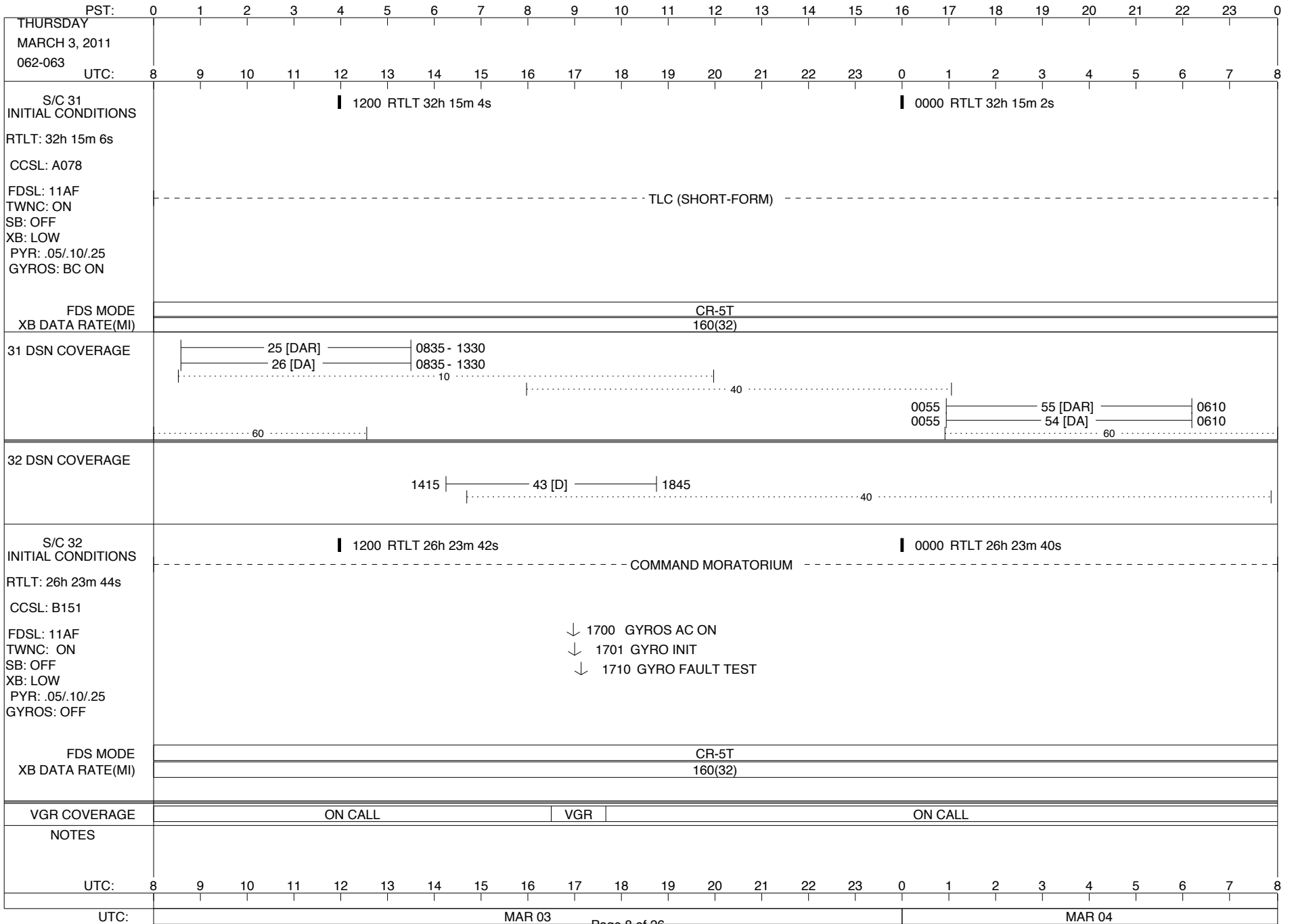
ISSUE DATE: 02/24/11 14:59





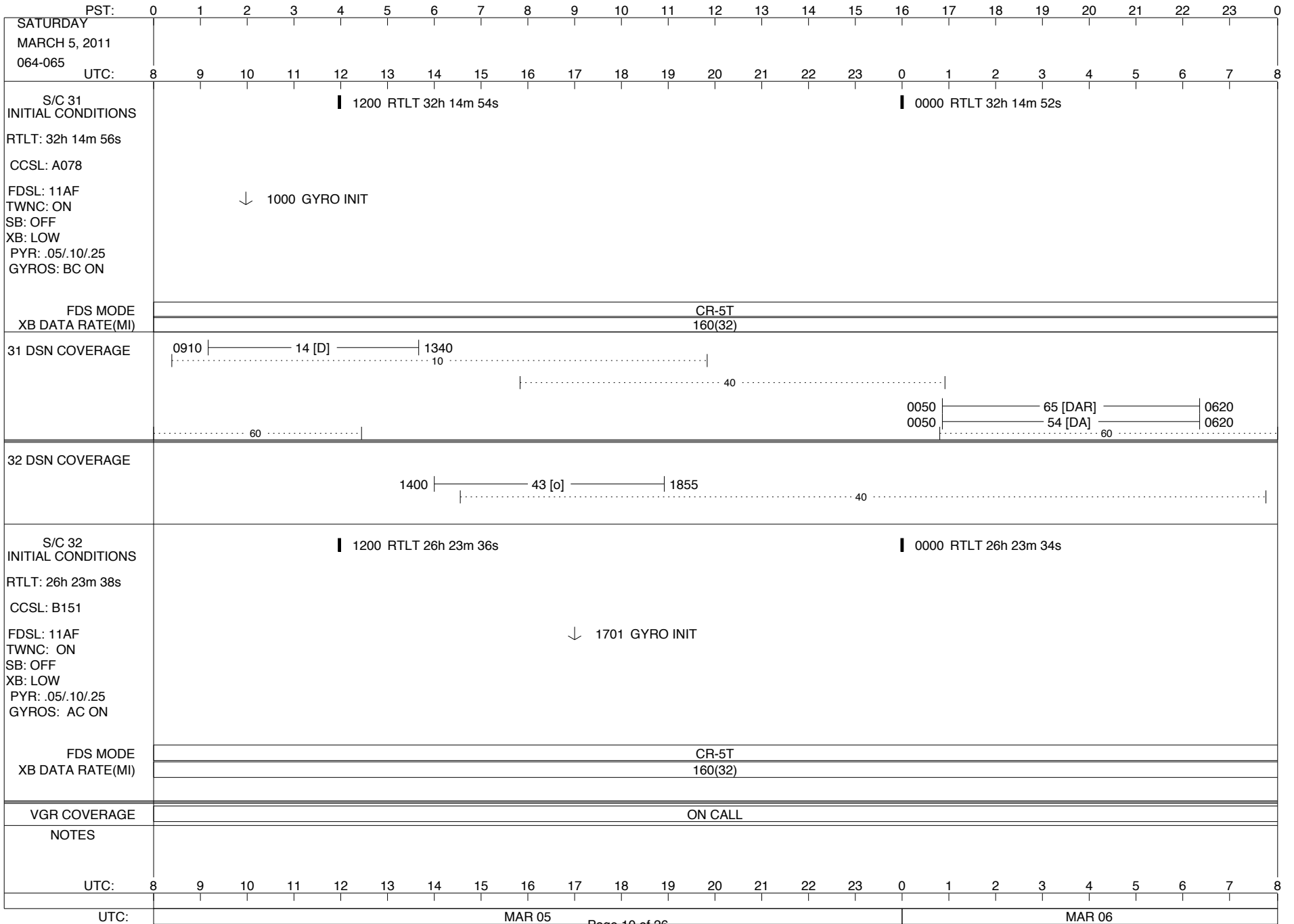


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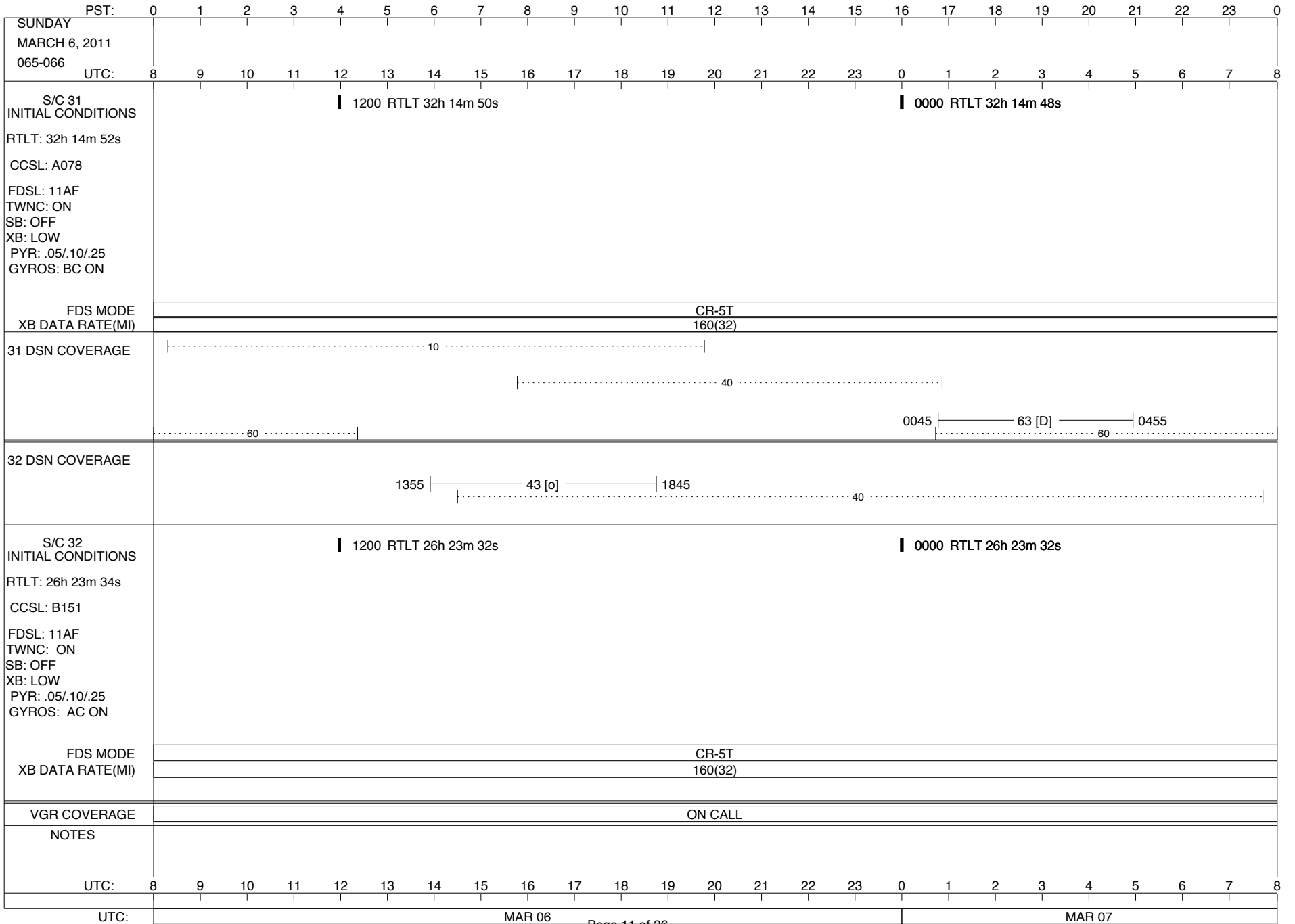


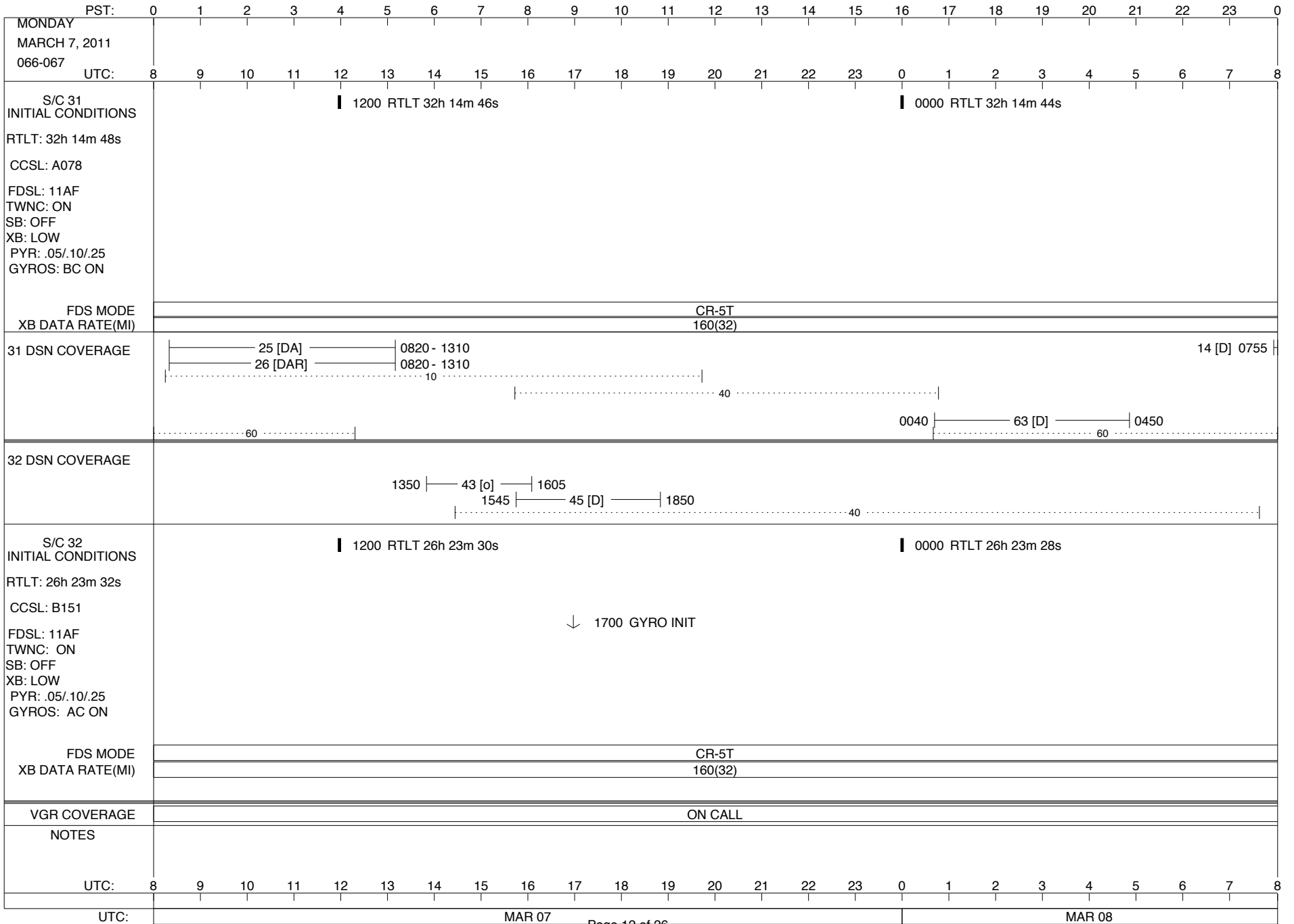
ISSUE DATE: 02/24/11 14:59

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 MARCH 4, 2011 063-064			
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: 32h 15m 2s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	<p>1200 RTLT 32h 14m 58s</p> <p>0000 RTLT 32h 14m 56s</p> <p>2235   2250 TAPPOS</p> <p>0137   0138 PWS/RH</p> <p>0345   0345 TAPPOS</p> <p>↓ 0137 GS-4B 0138</p>		
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T 160(32)</td> <td>CR-5T 160(32)</td> </tr> </table>	CR-5T 160(32)	CR-5T 160(32)
CR-5T 160(32)	CR-5T 160(32)		
31 DSN COVERAGE	<p>14 [D] 0810 - 1345</p> <p>10</p> <p>40</p> <p>0100 65 [DAR] 0645</p> <p>0100 55 [DA] 0645</p> <p>60</p>		
32 DSN COVERAGE	<p>1405 43 [o] 1750</p> <p>1730 45 [D] 1905</p> <p>40</p>		
S/C 32 INITIAL CONDITIONS RTLT: 26h 23m 40s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	<p>1200 RTLT 26h 23m 38s</p> <p>0000 RTLT 26h 23m 38s</p> <p>COMMAND MORATORIUM 1436</p>		
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T 160(32)</td> </tr> </table>	CR-5T 160(32)	
CR-5T 160(32)			
VGR COVERAGE	ON CALL		
NOTES	[1] S/C 31=GS-4B @ 0137 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: MAR 04 Page 9 of 26 MAR 05			



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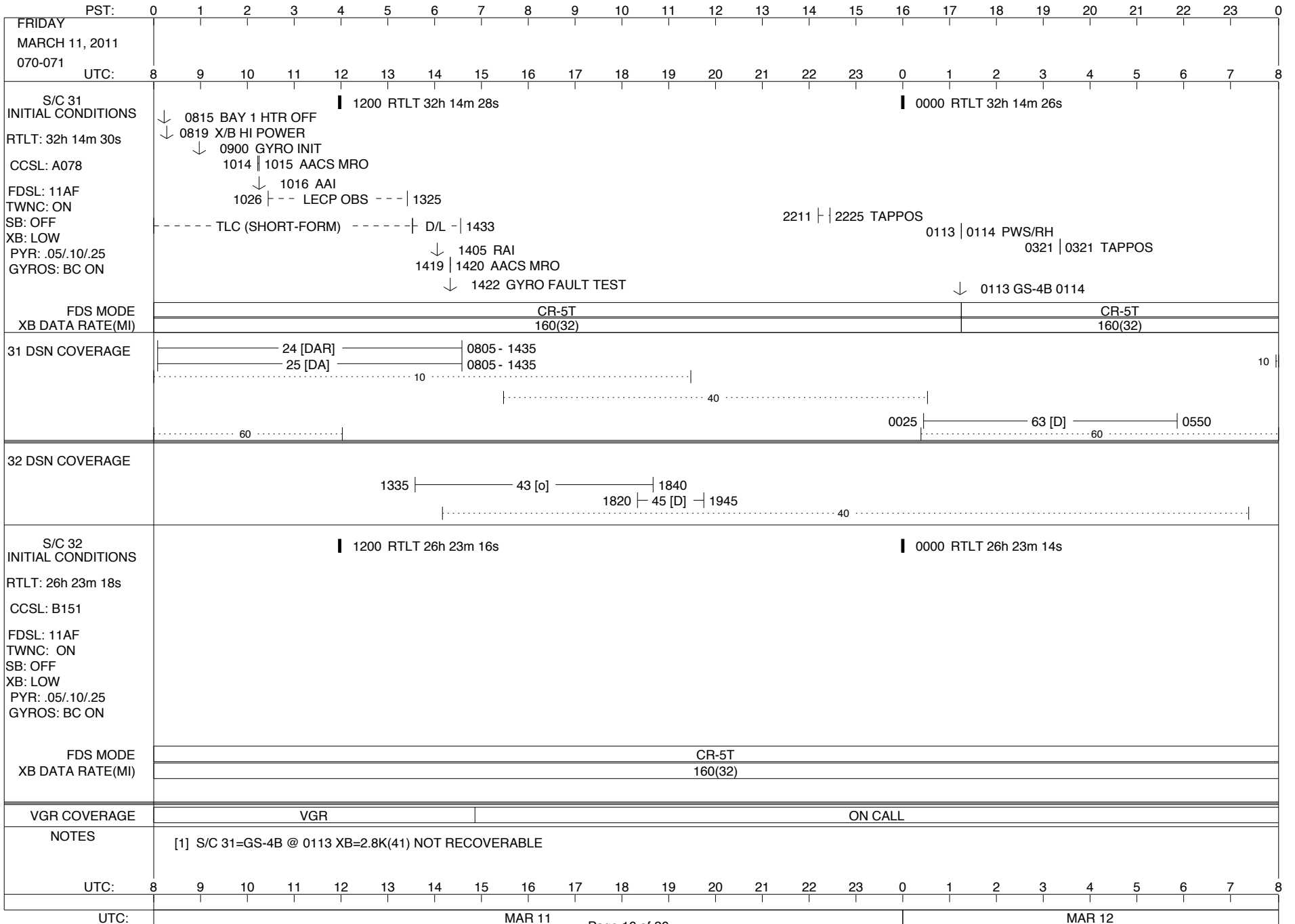


ISSUE DATE: 02/24/11 14:59

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THURSDAY MARCH 10, 2011 069-070																																			
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: 32h 14m 34s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLT 32h 14m 32s												█ 0000 RTLT 32h 14m 30s																						
----- TLC (SHORT-FORM) -----																																			
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)																						
31 DSN COVERAGE	<p>14 [D]   1030 .....  .....  10 .....  40 .....  10 0030   65 [DAR]   0450 0030   55 [DA]   0450 .....  60</p>																																		
32 DSN COVERAGE	<p>1345   43 [B]   2210 .....  40</p>																																		
S/C 32 INITIAL CONDITIONS RTLT: 26h 23m 20s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	█ 1200 RTLT 26h 23m 18s												█ 0000 RTLT 26h 23m 18s																						
▼ 1452 DUMMY (17:16) <ul style="list-style-type: none"> <li>↓ 2044 GYRO SWAP BC ON</li> <li>↓ 2044 GYRO INIT</li> <li>↓ 2054 GYRO FAULT TEST</li> </ul>																																			
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)																						
VGR COVERAGE	ON CALL							VGR							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:	MAR 10														MAR 11																				



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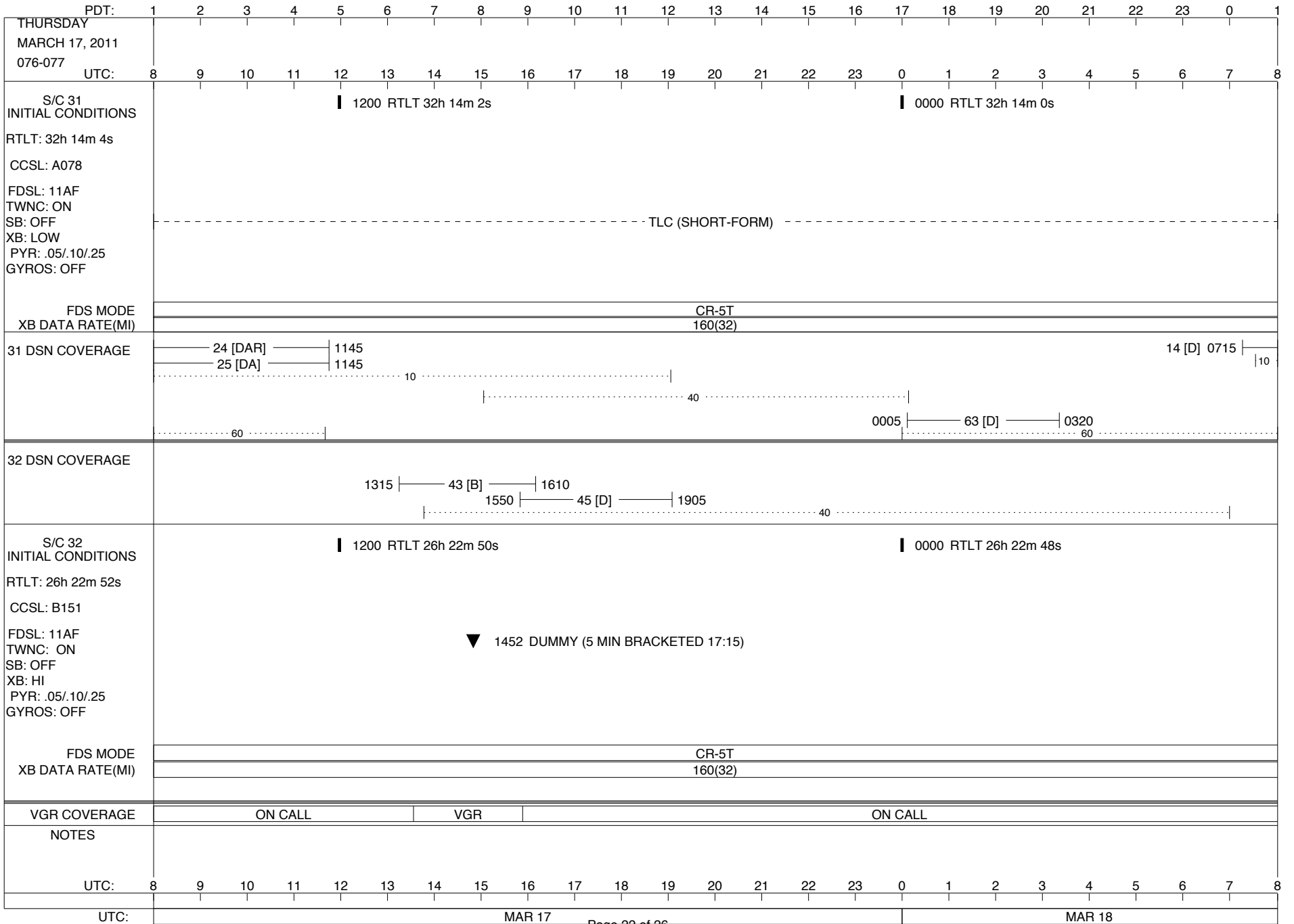
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SUNDAY MARCH 13, 2011 072-073																																
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8							
S/C 31 INITIAL CONDITIONS RTLT: 32h 14m 22s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 32h 14m 20s												0000 RTLT 32h 14m 18s												GYRO INIT 0700↓							
AACS MRO 0747 - 0748   AAI 0749↓ LECP OBS 0759																																
FDS MODE	CR-5T																															
XB DATA RATE(MI)	160(32)																															
31 DSN COVERAGE	1100  -----  14 [D]  -----  1525										14 [D] 0730  -----										60  -----  0030  -----  63 [D]  -----  0530											
32 DSN COVERAGE	1505  -----  45 [D]  -----  2105										40  -----																					
S/C 32 INITIAL CONDITIONS RTLT: 26h 23m 10s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 26h 23m 8s												0000 RTLT 26h 23m 6s												1637  -----  COMMAND MORATORIUM  -----							
FDS MODE	CR-5T																															
XB DATA RATE(MI)	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:	MAR 13														MAR 14																	



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	
TUESDAY MARCH 15, 2011 074-075																										
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: 32h 14m 14s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLT 32h 14m 12s												█ 0000 RTLT 32h 14m 8s													
	1849   1850 PWS/RH																									
	↓ 1849 GS-4B 1850																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	24 [DAR]   1150 25 [DA]   1150 ..... 10 ..... ..... 40 ..... ..... 60 .....												0010   63 [D]   0430 ..... 60 .....													
32 DSN COVERAGE	1305   43 [D]   2105 ..... 40 .....																									
S/C 32 INITIAL CONDITIONS RTLT: 26h 23m 0s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLT 26h 22m 58s												█ 0000 RTLT 26h 22m 56s													
	----- COMMAND MORATORIUM -----																									
	↓ 1418 AAI																									
	1421   ----- MAGROL -----   2016																									
													↓ 2009 RAI													
													↓ 2016 GYROS OFF													
													↓ 2016 CRU													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL								VGR								ON CALL									
NOTES	[2] S/C 32 D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (1421-2016) [1] S/C 31=GS-4B @ 1849 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:	MAR 15												MAR 16													

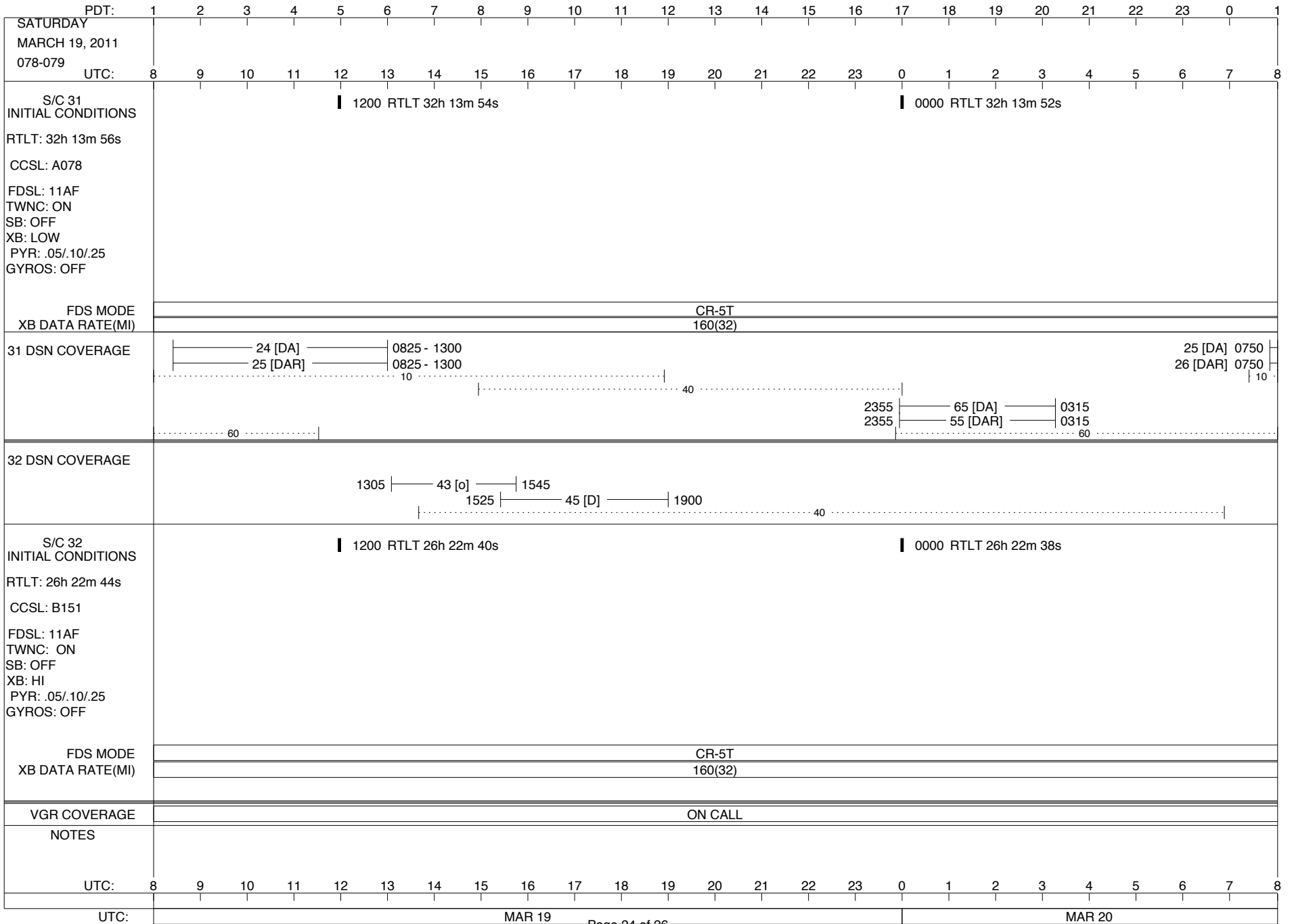


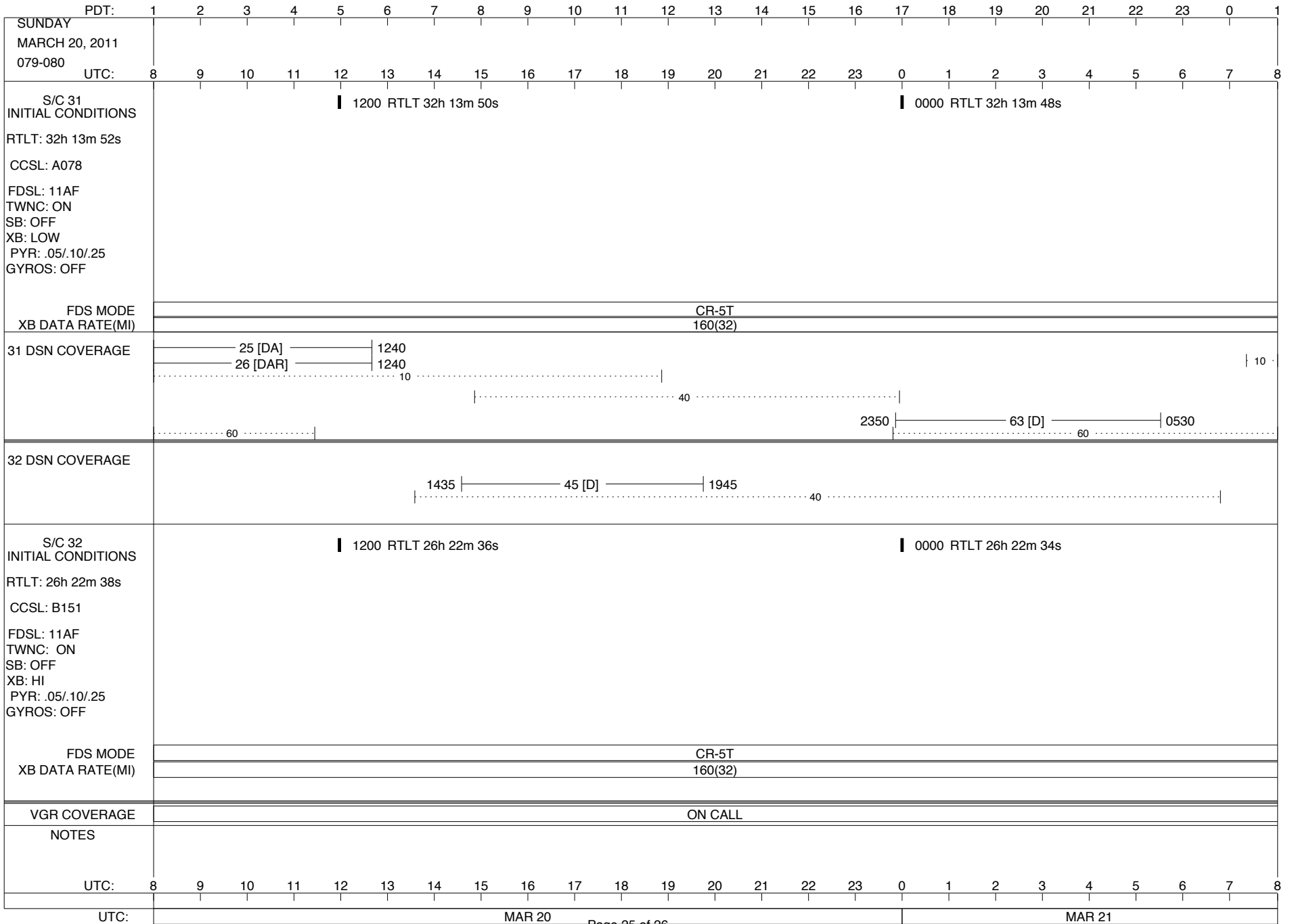
ISSUE DATE: 02/24/11 14:59



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FRIDAY MARCH 18, 2011 077-078																										
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 32h 13m 58s													0000 RTLT 32h 13m 56s												
RTLT: 32h 14m 0s																										
CCSL: A078														2147   2201 TAPPOS												
FDSL: 11AF														0049   0050 PWS/RH												
TWNC: ON														0256   0257 TAPPOS												
SB: OFF	- - TLC (SHORT-FORM) - + D/L -   1237																									
XB: LOW																										
PYR: .05/10/25																										
GYROS: OFF																										
FDS MODE	CR-5T													CR-5T												
XB DATA RATE(MI)	160(32)													160(32)												
31 DSN COVERAGE	14 [D]   1240													0000   63 [D]   0425												
	.....													.....												
	.....													.....												
	.....													.....												
32 DSN COVERAGE	1310   43 [o]   1715																									
	.....													.....												
S/C 32 INITIAL CONDITIONS	1200 RTLT 26h 22m 46s													0000 RTLT 26h 22m 44s												
RTLT: 26h 22m 48s																										
CCSL: B151																										
FDSL: 11AF																										
TWNC: ON																										
SB: OFF																										
XB: HI																										
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 @ 0049 XB=2.8K(41) NOT RECOVERABLE																									
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UTC:	MAR 18													MAR 19												







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		
MONDAY MARCH 21, 2011 080-081																											
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: 32h 13m 48s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 26h 22m 34s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> </div>																										
FDS MODE XB DATA RATE(MI)														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:	MAR 21													MAR 22													