

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: January 26, 2011

For the Period: 01/27/2011 to 02/14/2011 (11-027 – 11-045)

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

**SCIENCE**

**FLIGHT TEAM (14) 600-100**

**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  
 \*pquach@airmail.ftops.jpl.nasa.gov  
 \*mrobles@airmail.ftops.jpl.nasa.gov  
 \*rwilliam@airmail.ftops.jpl.nasa.gov

CRS \*bryant@mail630.gsfc.nasa.gov  
 LECP \*r.decker@jhupl.edu  
 UVS \*holberg@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

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

**OTHER**

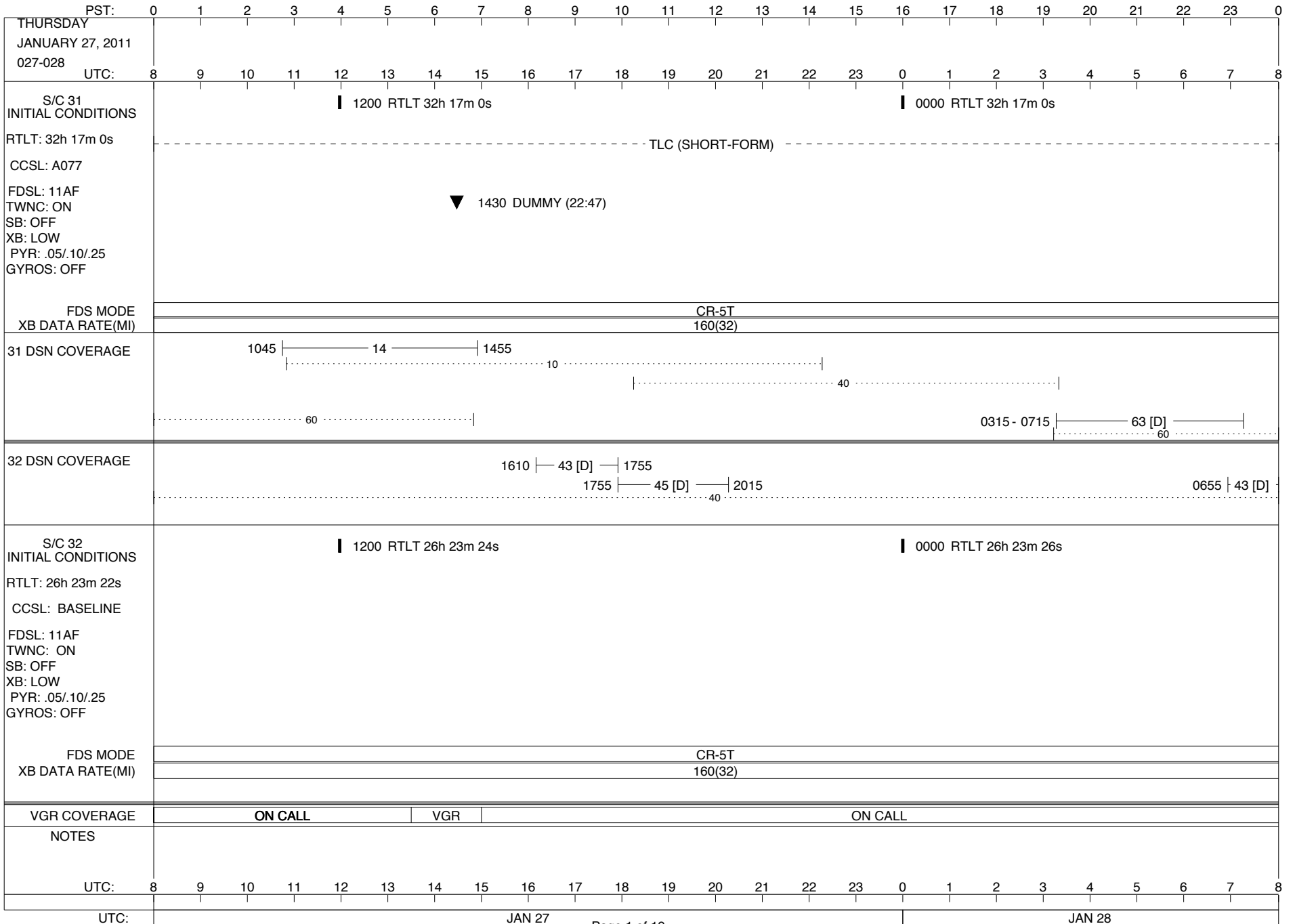
\* KMassej@jgld.gdscc.nasa.gov  
 \* Belinda.Arroyo@jpl.nasa.gov  
 \* !DL-DSN-MPSETA@dsn.nasa.gov

**LEGEND:**

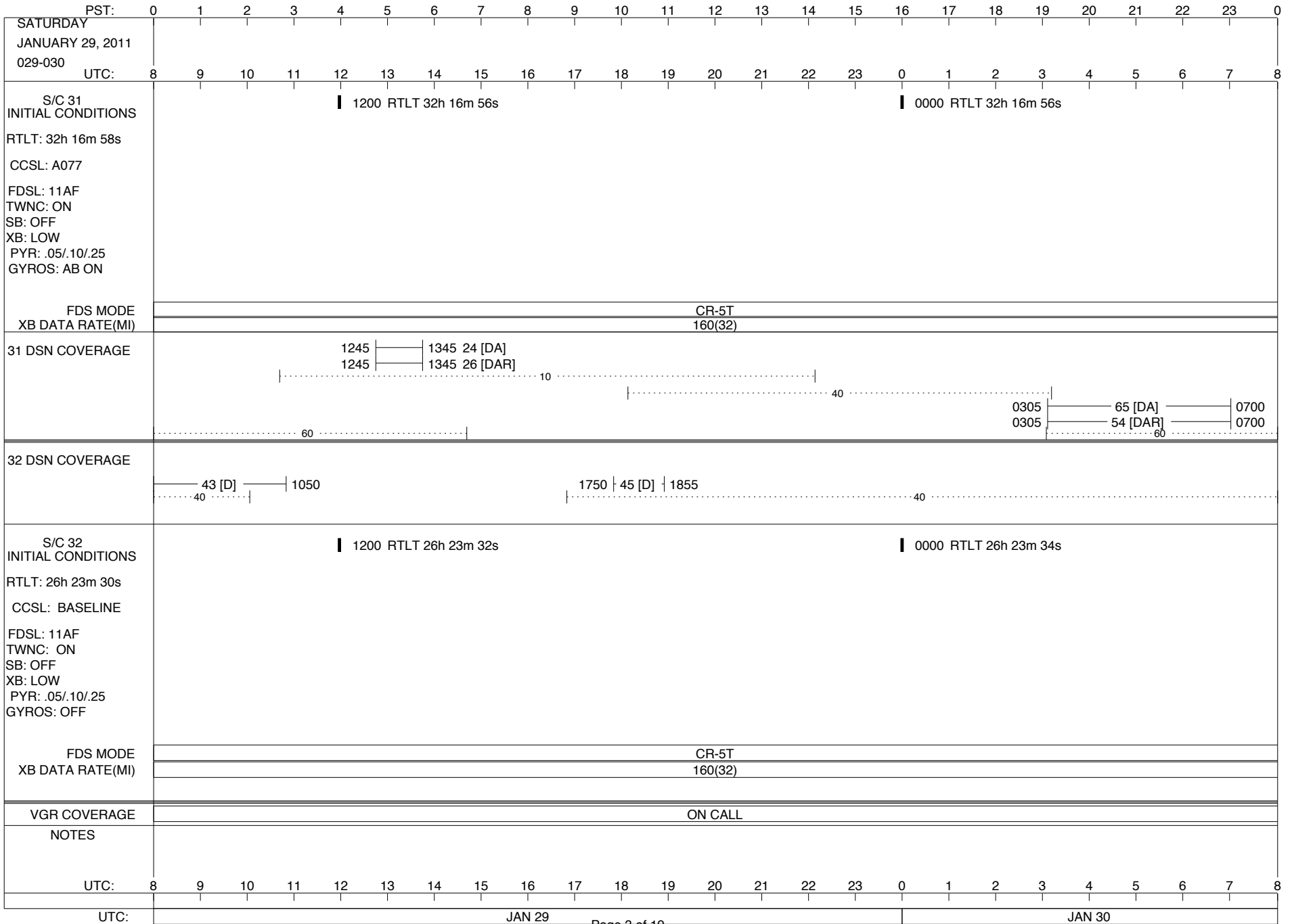
∇ = R/T Command (Last chance or Contingency)  
 ▼ = R/T Command (Scheduled)  
 \* = Result of R/T Command  
 n = (where n = 1,2,3 ..) Special Note, see bottom of page  
 A = Arrayed station  
 B = 7-Point BLF  
 D = Downlink only pass  
 H = High Power Transmitter  
 R = Array Reference Antenna  
 T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

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

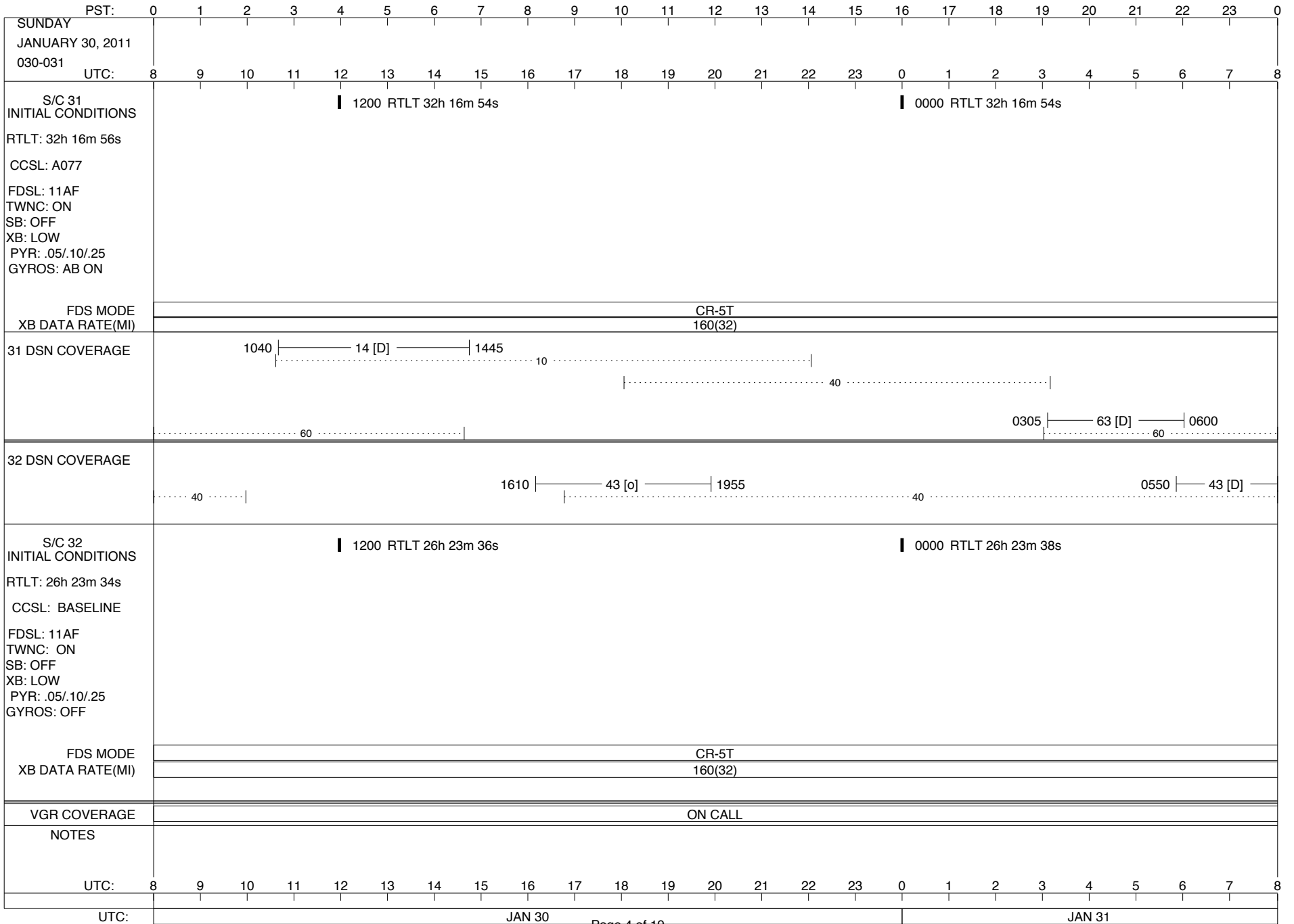
ISSUE DATE: 01/27/11 15:18



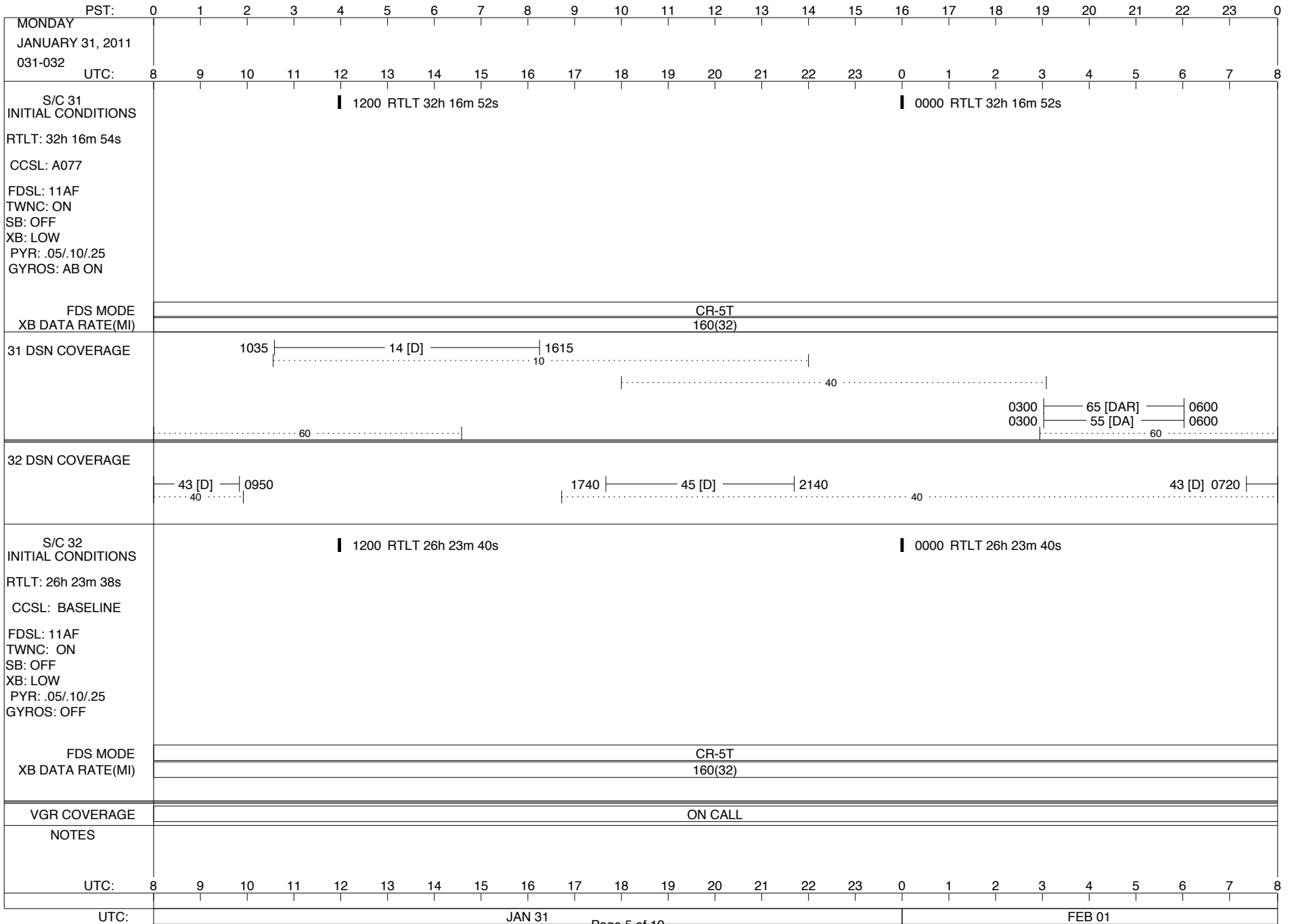




ISSUE DATE: 01/27/11 15:18



ISSUE DATE: 01/27/11 15:18



ISSUE DATE: 01/27/11 15:18

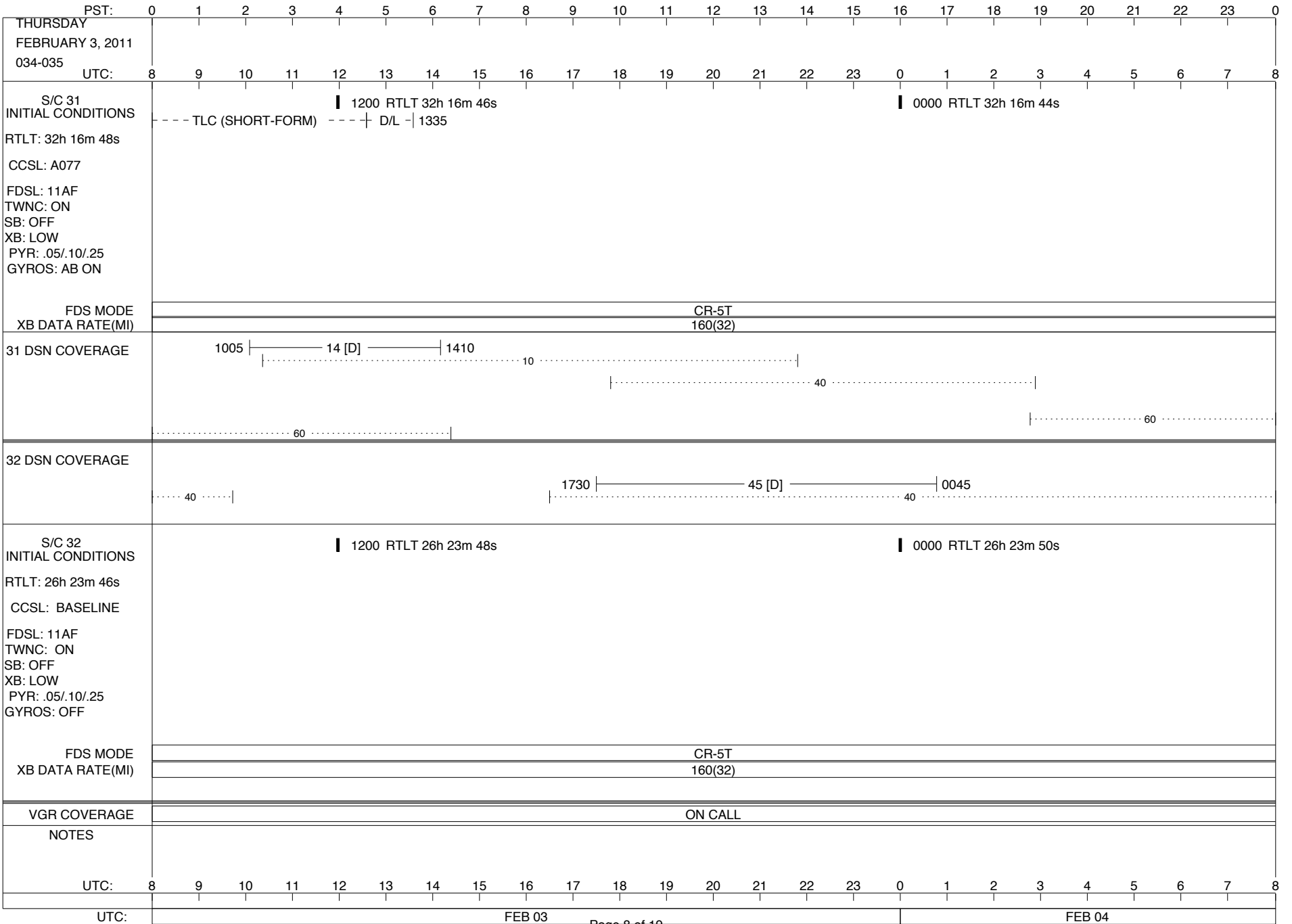
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
TUESDAY FEBRUARY 1, 2011 032-033																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLTL: 32h 16m 52s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: AB ON	█ 1200 RTLTL 32h 16m 50s														█ 0000 RTLTL 32h 16m 50s													
															U/L 0350   -   - TLC (SHORT-FORM) - -													
															↓ 1257 GYRO INIT													
															2115   2115 PWS/RH													
															↓ 2115 GS-4B 2115													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	1010  ----- 14 [D] -----  1430														----- 10 -----													
															----- 40 -----													
															0325  ----- 63 [T] -----  0600													
	----- 60 -----														----- 60 -----													
32 DSN COVERAGE	----- 43 [D] -----  1040														1550  ----- 43 [D] -----  2040													
	----- 40 -----														----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLTL: 26h 23m 40s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 26h 23m 42s														█ 0000 RTLTL 26h 23m 44s													
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
VGR COVERAGE															ON CALL													
NOTES	[1] S/C 31=GS-4B @ 2115 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 01														FEB 02													

ISSUE DATE: 01/27/11 15:18

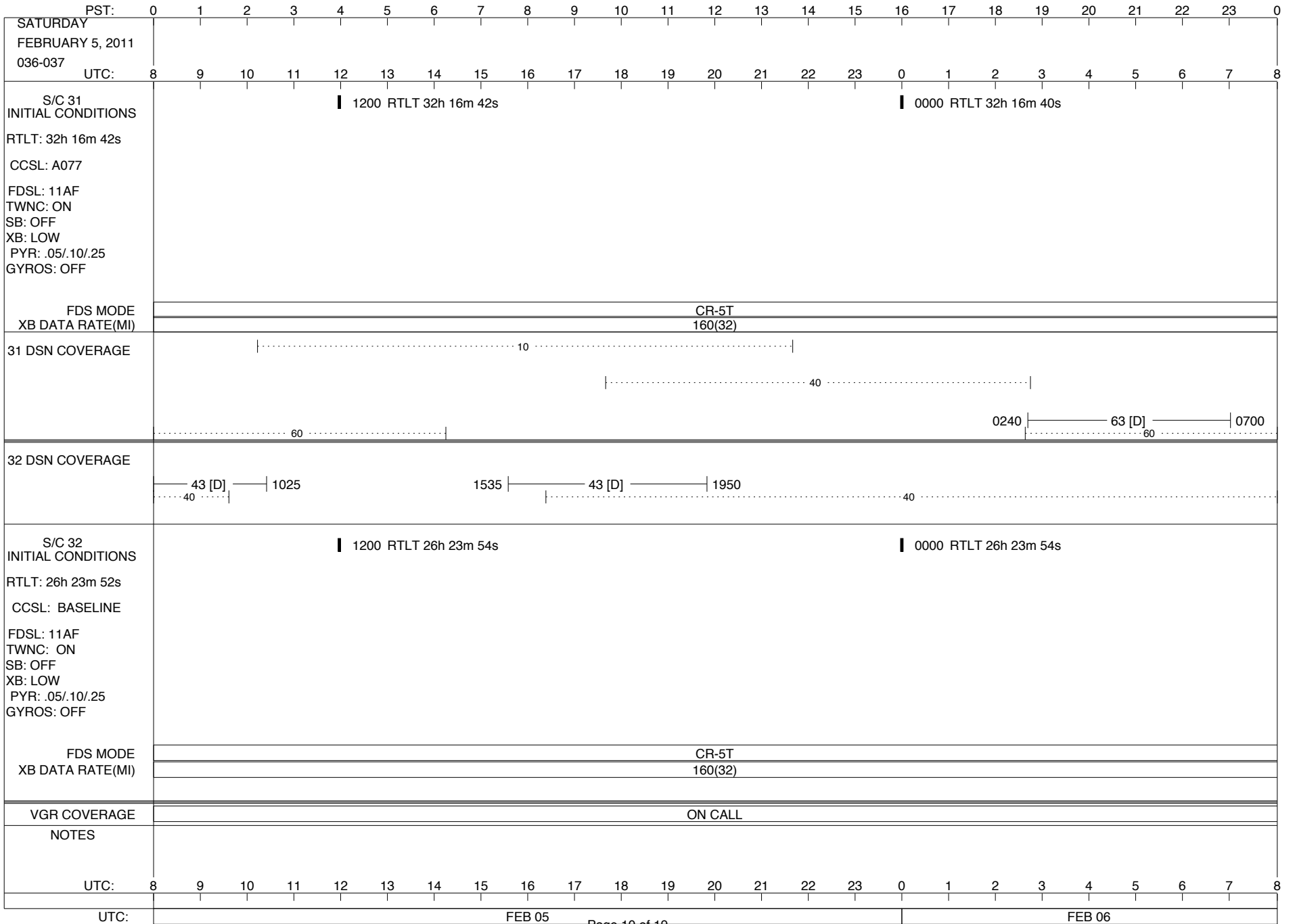
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
WEDNESDAY FEBRUARY 2, 2011 033-034																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLTL: 32h 16m 50s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: AB ON	1200 RTLT 32h 16m 48s ▼ 1600 DUMMY (00:17) 1317  ----- MAGCAL -----  1632 1317  ----- PESCAL -----  1650														0000 RTLT 32h 16m 48s TLC (SHORT-FORM) DELINK WGP 0309 ↓ AACS MRO 0311   0311 AAI 0312 ↓ R -70 DEG 0315   0322 0322  ----- LECP OBS -----  0530 R -290 DEG 0530  -----  0557 RAI 0610 ↓ RELINK WGP 0623 ↓ AACS MRO 0625   0625 GYRO FAULT TEST 0627 ↓													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
31 DSN COVERAGE	1100  ----- 14 -----  1720  ----- 10 -----   ----- 40 -----  0250 - 0745  ----- 63 [D] -----   ----- 60 -----																											
32 DSN COVERAGE	1545  ----- 43 [B] -----  1950  ----- 40 -----   ----- 40 -----																											
S/C 32 INITIAL CONDITIONS RTLTL: 26h 23m 44s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 26h 23m 46s ▼ 1852 DUMMY (5 MIN BRACKETED 21:16)														0000 RTLT 26h 23m 46s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	ON CALL							VGR	ON CALL							VGR	ON CALL							VGR				
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:	FEB 02														FEB 03													

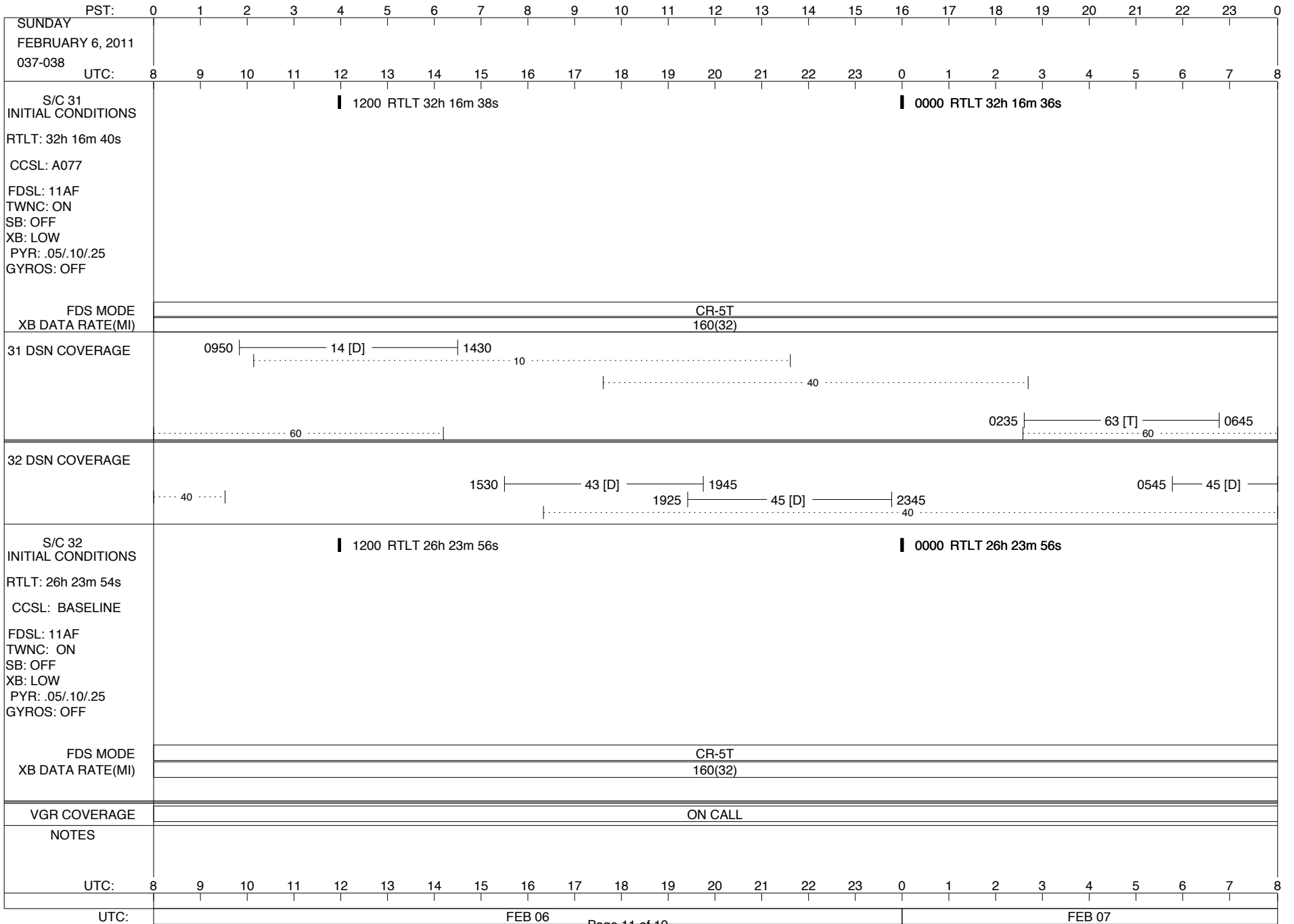


ISSUE DATE: 01/27/11 15:18

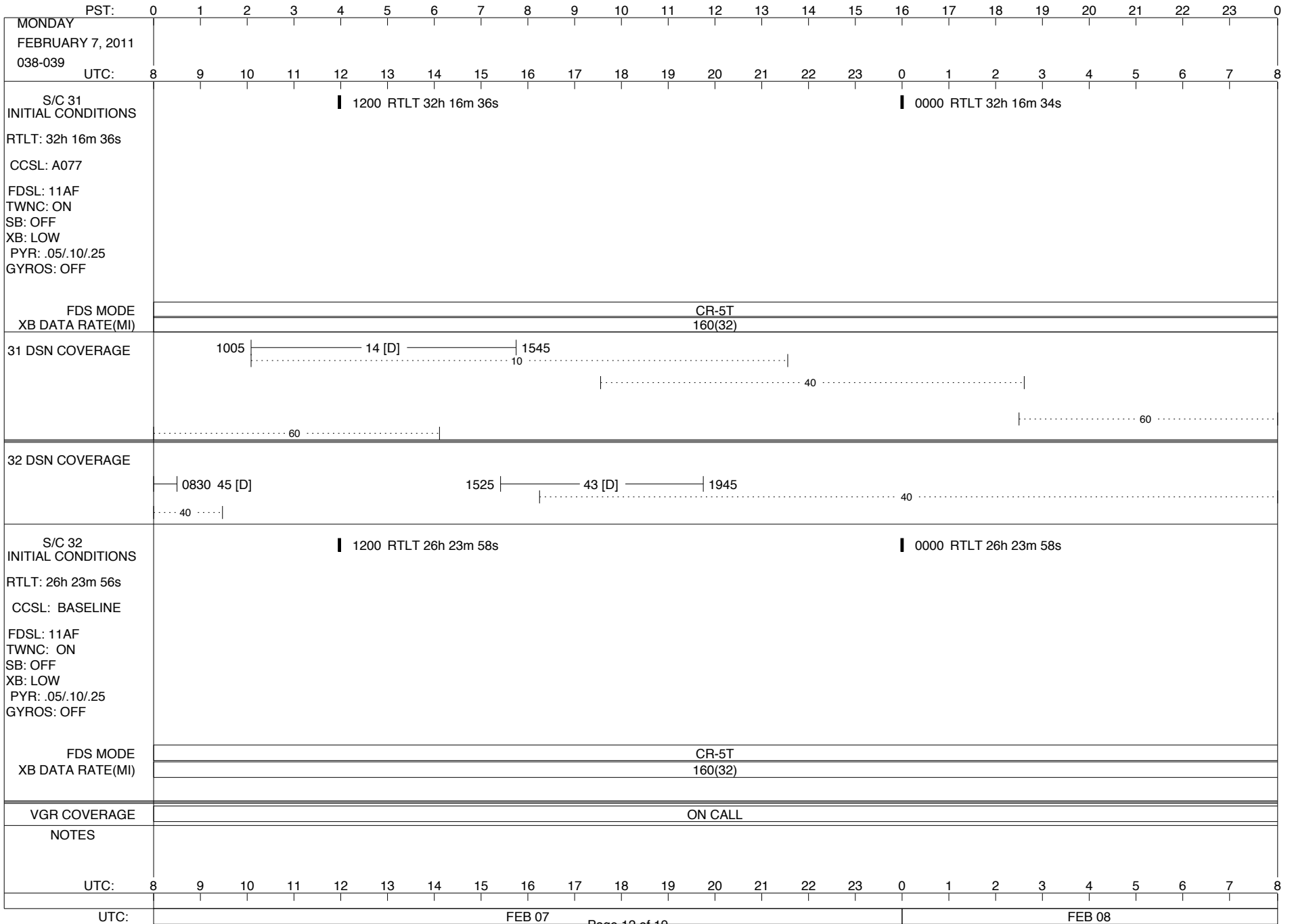


PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
FRIDAY FEBRUARY 4, 2011 035-036																												
S/C 31 INITIAL CONDITIONS RTLTL: 32h 16m 44s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AB ON	1200 RTLTL 32h 16m 44s ↓ 1251 BAY 1 HTR OFF ↓ 1255 X/B HI POWER ↓ 1307 AAI 1310  -----MAGROL-----  1906														0000 RTLTL 32h 16m 42s 0012     0026 TAPPOS 0314   0315 PWS/RH 0522   0522 TAPPOS ↓ 1858 RAI ↓ 1906 CRU ↓ 1906 GYROS OFF ↓ 1920 X/B LOW POWER ↓ 1924 BAY 1 HTR ON ↓ 0314 GS-4B 0315													
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: 26h 23m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 26h 23m 50s														0000 RTLTL 26h 23m 52s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	ON CALL								VGR								ON CALL											
NOTES	[1] S/C 31 D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (1310-1906) [2] S/C 31=GS-4B @ 0314 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 04														FEB 05													





ISSUE DATE: 01/27/11 15:18



ISSUE DATE: 01/27/11 15:18

TUESDAY FEBRUARY 8, 2011 039-040		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 RTLT: 32h 16m 34s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 32h 16m 32s																						0000 RTLT 32h 16m 30s					
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)										2050 GS-4B 2051 CR-5T 160(32)																	
31 DSN COVERAGE		1000  ----- 24 [DAR] -----  1445 1000  ----- 26 [DA] -----  1445												10 ..... ----- 40 .....  .....60 .....															
32 DSN COVERAGE		.....40 .....		1525  ----- 43 [D] -----  2040										0050  ----- 34 [D] -----  0430 .....40 .....															
S/C 32 INITIAL CONDITIONS RTLT: 26h 23m 58s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 26h 23m 58s																						0000 RTLT 26h 24m 0s					
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)																	
VGR COVERAGE		ON CALL										VGR										ON CALL							
NOTES		[1] S/C 31=GS-4B @ 2050 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 08														FEB 09													

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 FEBRUARY 9, 2011 040-041																												
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: 32h 16m 30s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 32h 16m 30s												█ 0000 RTLTL 32h 16m 28s															
----- TLC (SHORT-FORM) -----																												
FDS MODE														CR-5T														
XB DATA RATE(MI)														160(32)														
31 DSN COVERAGE	<p>0940  ----- 14 [D] -----  1255            ..... 10 .....            ..... 40 .....            ..... 60 .....            0225  ----- 63 [D1] -----             ..... 60 .....</p>																											
32 DSN COVERAGE	<p>..... 40 .....            1705  ----- 45 [D] -----  1925            ..... 40 .....            0655   43 [D]  </p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 26h 24m 0s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 26h 24m 0s												█ 0000 RTLTL 26h 24m 0s															
FDS MODE														CR-5T														
XB DATA RATE(MI)														160(32)														
VGR COVERAGE	ON CALL																											
NOTES	[1] A078 BACKUP UPLINK TRACK																											
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 09														FEB 10													

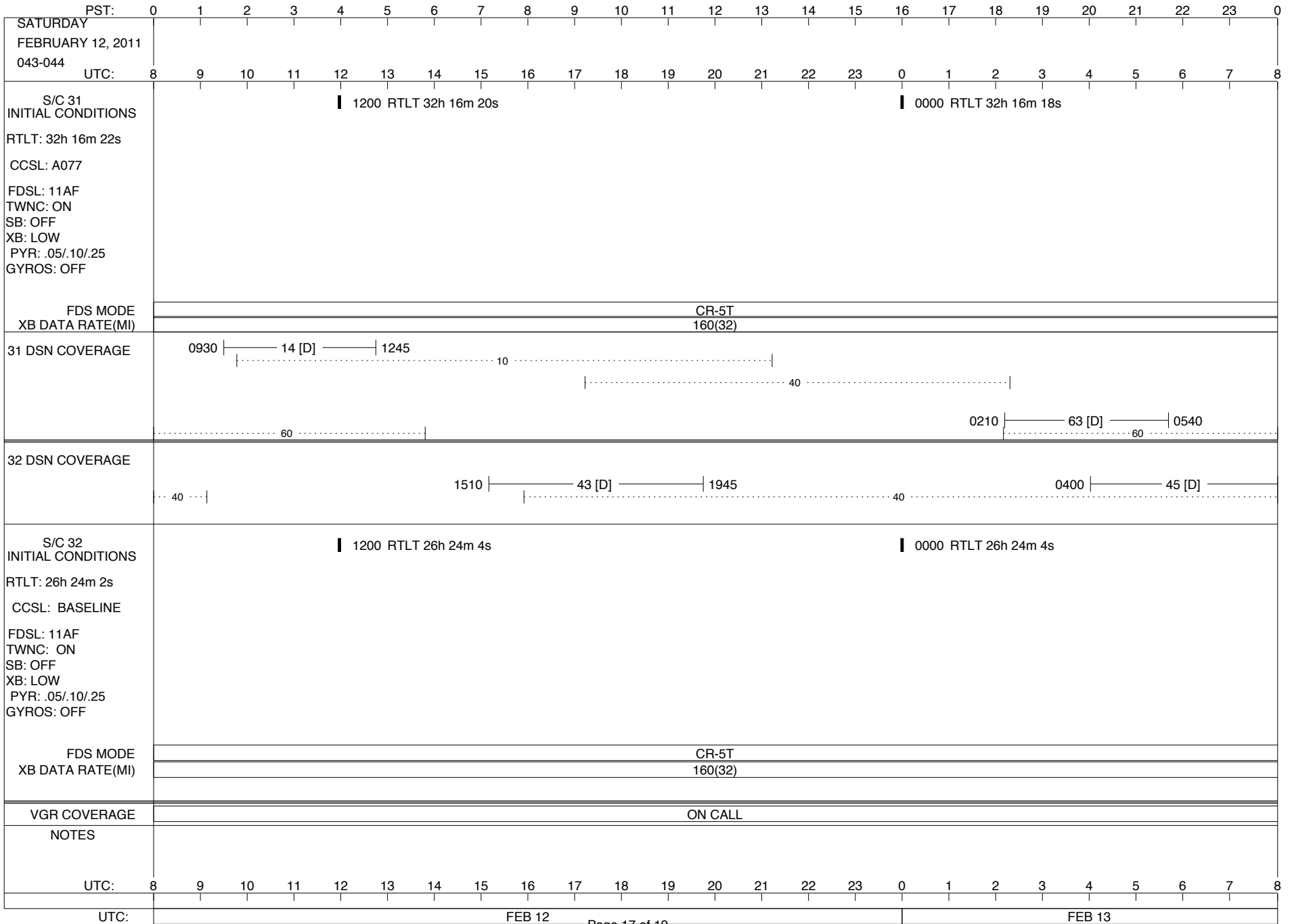
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
THURSDAY FEBRUARY 10, 2011 041-042																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLTL: 32h 16m 28s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 32h 16m 26s												█ 0000 RTLTL 32h 16m 24s															
	H TBD?-TBD? A078 CHKSUM																											
	1300 █ 1301 2 AHELIO SID MRO'S																											
	----- TLC (SHORT-FORM) ----- + D/L -  1515																											
	EL-40 1202↓ ↓ 1302 CR-5T																											
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												40(30) 160(32)															
31 DSN COVERAGE	0935  ----- 14 [D] -----  1515  ----- 10 -----   ----- 40 -----   ----- 60 -----																											
	----- 60 -----  0815 63 [D1]  ----- 60 -----  0220  ----- 63 [D] -----  0545  ----- 60 -----																											
32 DSN COVERAGE	----- 40 -----  43 [D]  ----- 1005  ----- 40 -----  1515  ----- 43 [B] -----  1925  ----- 40 -----  0615  ----- 43 [D] -----																											
S/C 32 INITIAL CONDITIONS RTLTL: 26h 24m 0s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 26h 24m 2s												█ 0000 RTLTL 26h 24m 2s															
	▼ 1632 DUMMY (5 MIN BRACKETED 18:56)																											
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL												VGR ON CALL VGR ON CALL															
NOTES	[1] S/C 31=EL-40 XB=40(30) @ 1202 [2] S/C 31=CR-5T XB=160(32) @ 1302																											
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 10														FEB 11													



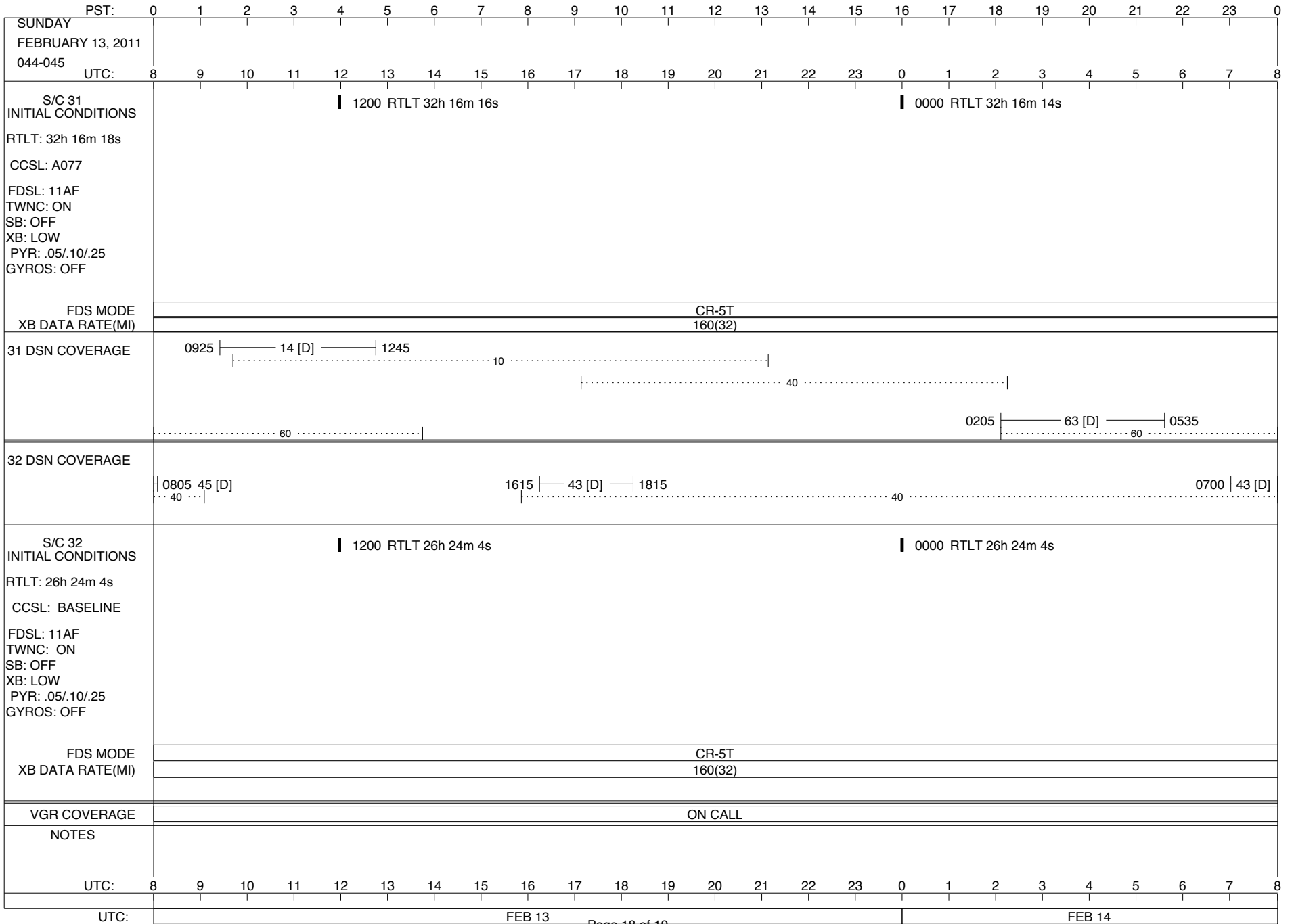
ISSUE DATE: 01/27/11 15:18

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 FEBRUARY 11, 2011 042-043	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 16m 24s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 16m 22s												0000 RTLT 32h 16m 22s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0930  ----- 14 [D] -----  1415  ----- 10 -----   ----- 40 -----												0215  ----- 65 [DA] -----  0650 0215  ----- 55 [DAR] -----  0650  ----- 60 -----												
32 DSN COVERAGE	43 [D]  ----- 1000 -----   ----- 40 -----												1525  ----- 43 [o] -----  1920  ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 26h 24m 2s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 26h 24m 2s												0000 RTLT 26h 24m 2s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0250 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 11												FEB 12												

ISSUE DATE: 01/27/11 15:18



ISSUE DATE: 01/27/11 15:18



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 FEBRUARY 14, 2011 045-046	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 16m 14s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 32h 16m 12s</p> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>0940  ----- 14 [D] -----  1245</p> <p>..... 10 .....</p> <p>..... 60 .....</p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>43 [D]  ----- 0950 -----  1500   43 [D]   1615</p> <p>... 40 ...</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 26h 24m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 26h 24m 4s</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:	FEB 14													FEB 15													