

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: April 10, 2013

For the Period: 04/11/13 to 04/29/13 (13-101 – 13-119)

**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

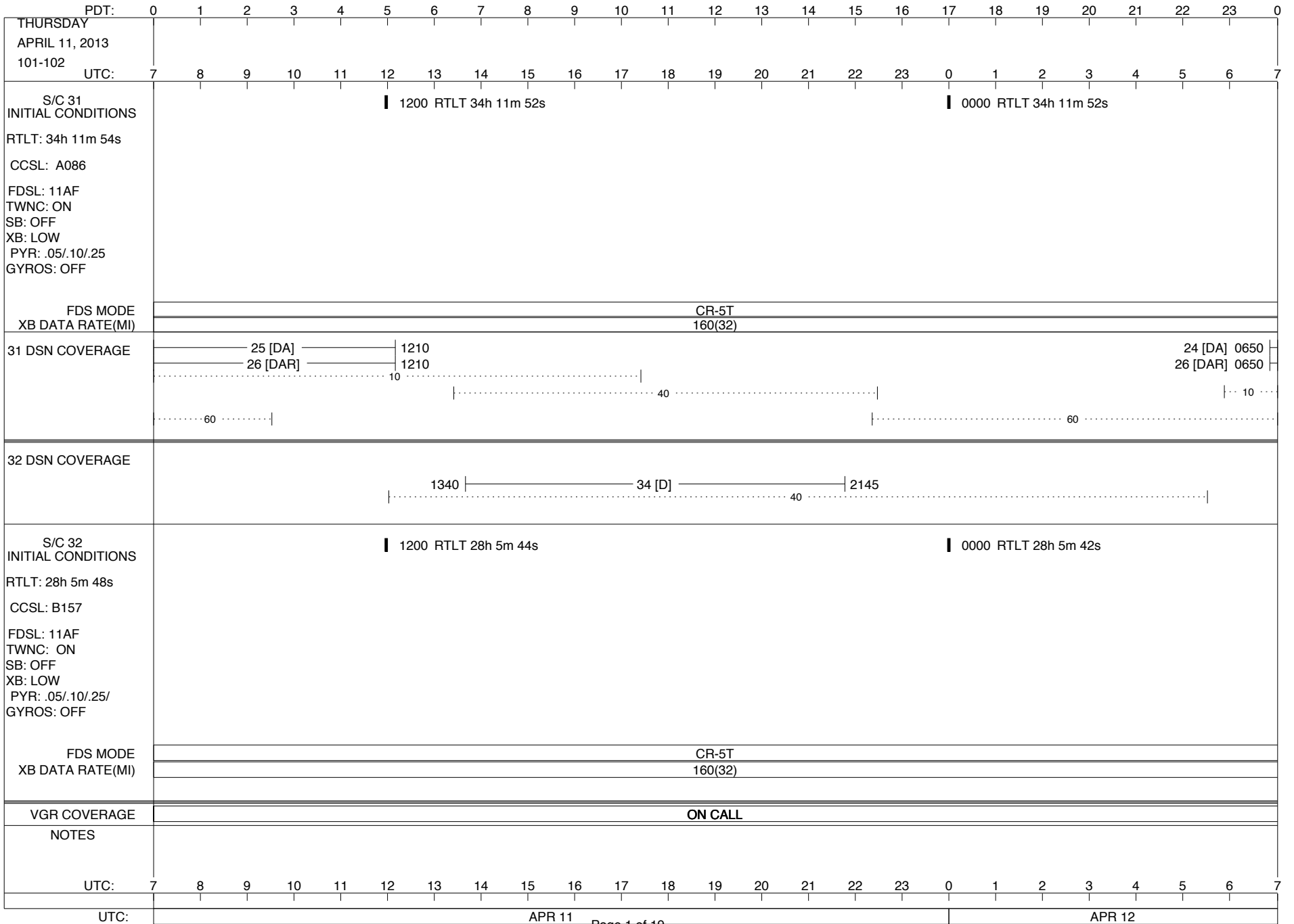
**OTHER**

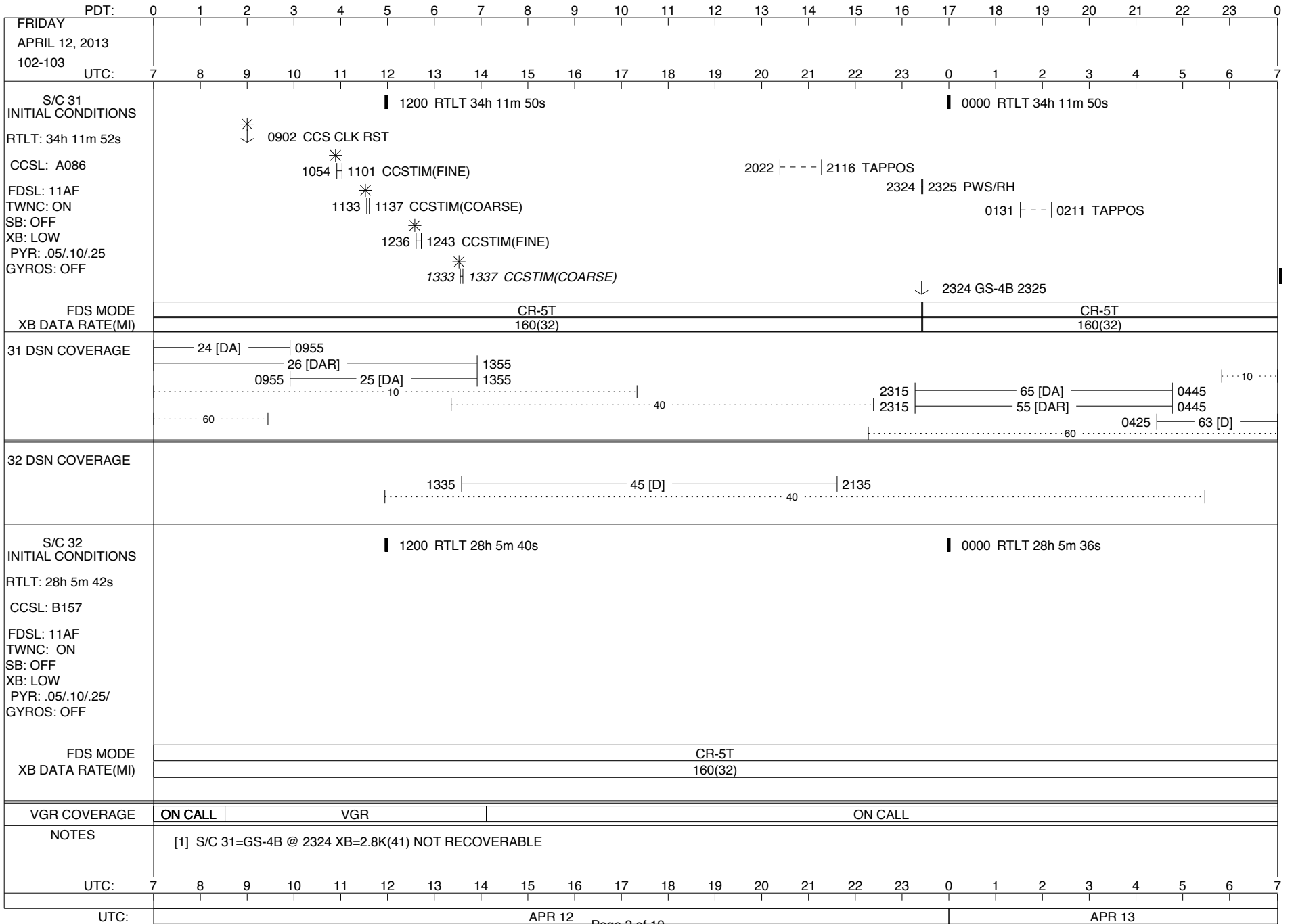
\* KMassej@jgld.gdscc.nasa.gov  
 \* Belinda.Arroyo@jpl.nasa.gov  
 \* !DL-DSN-MPSETA@dsn.nasa.gov

**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

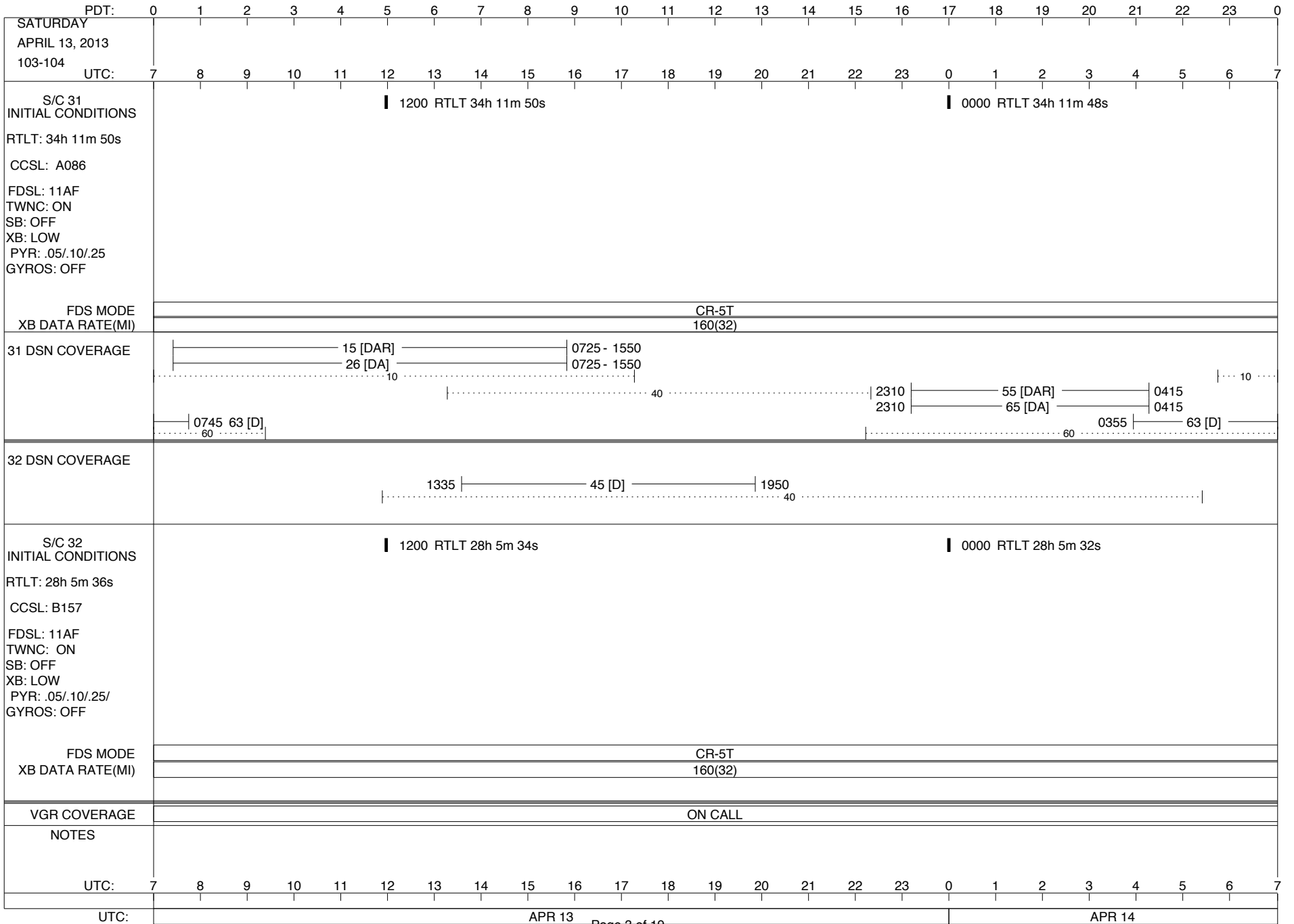
\*Electronic Copy Only  
 (16 – Dist/N: Paper Copies)  
 09/08/10

ISSUE DATE: 04/16/13 20:13

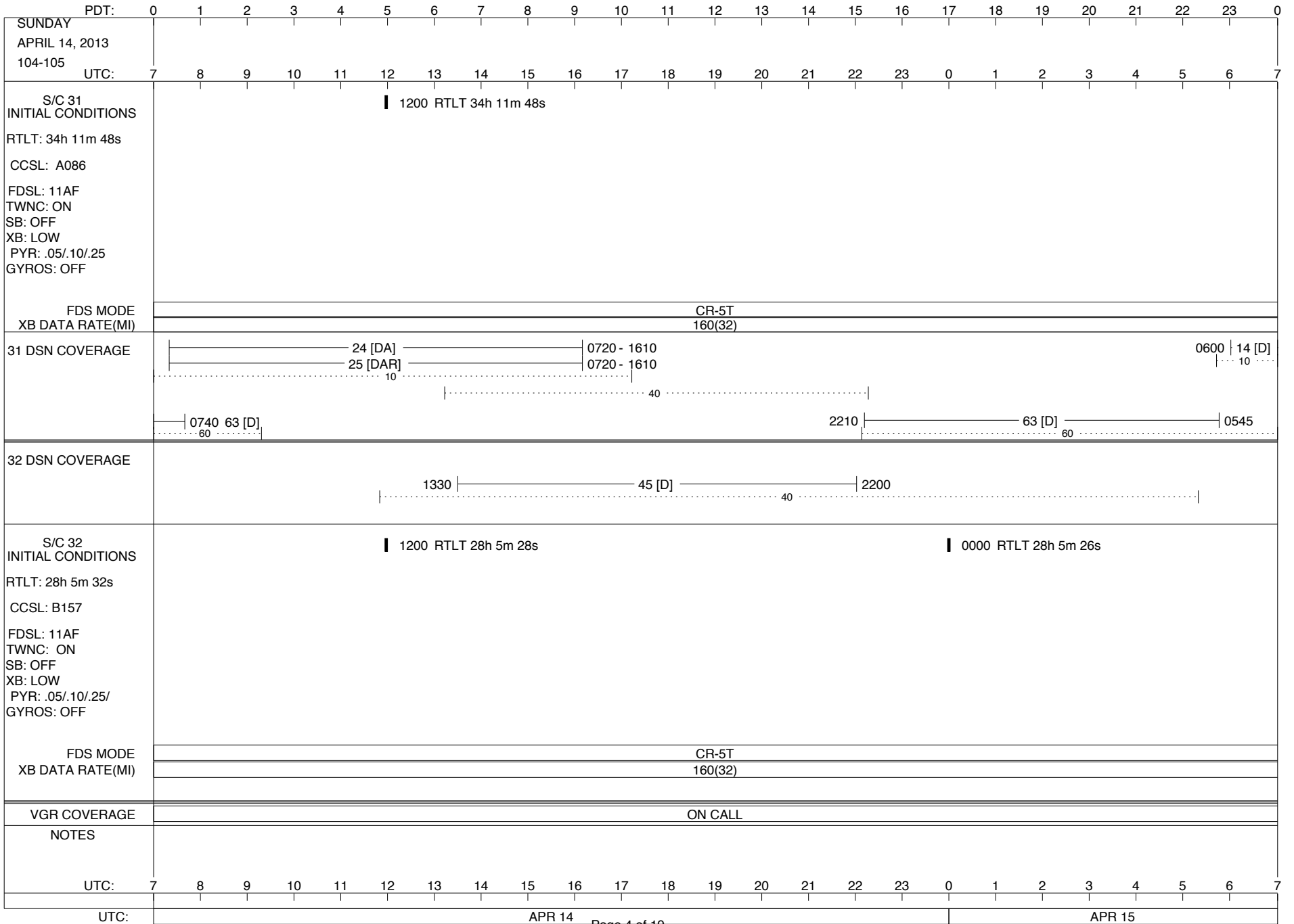




ISSUE DATE: 04/16/13 20:13

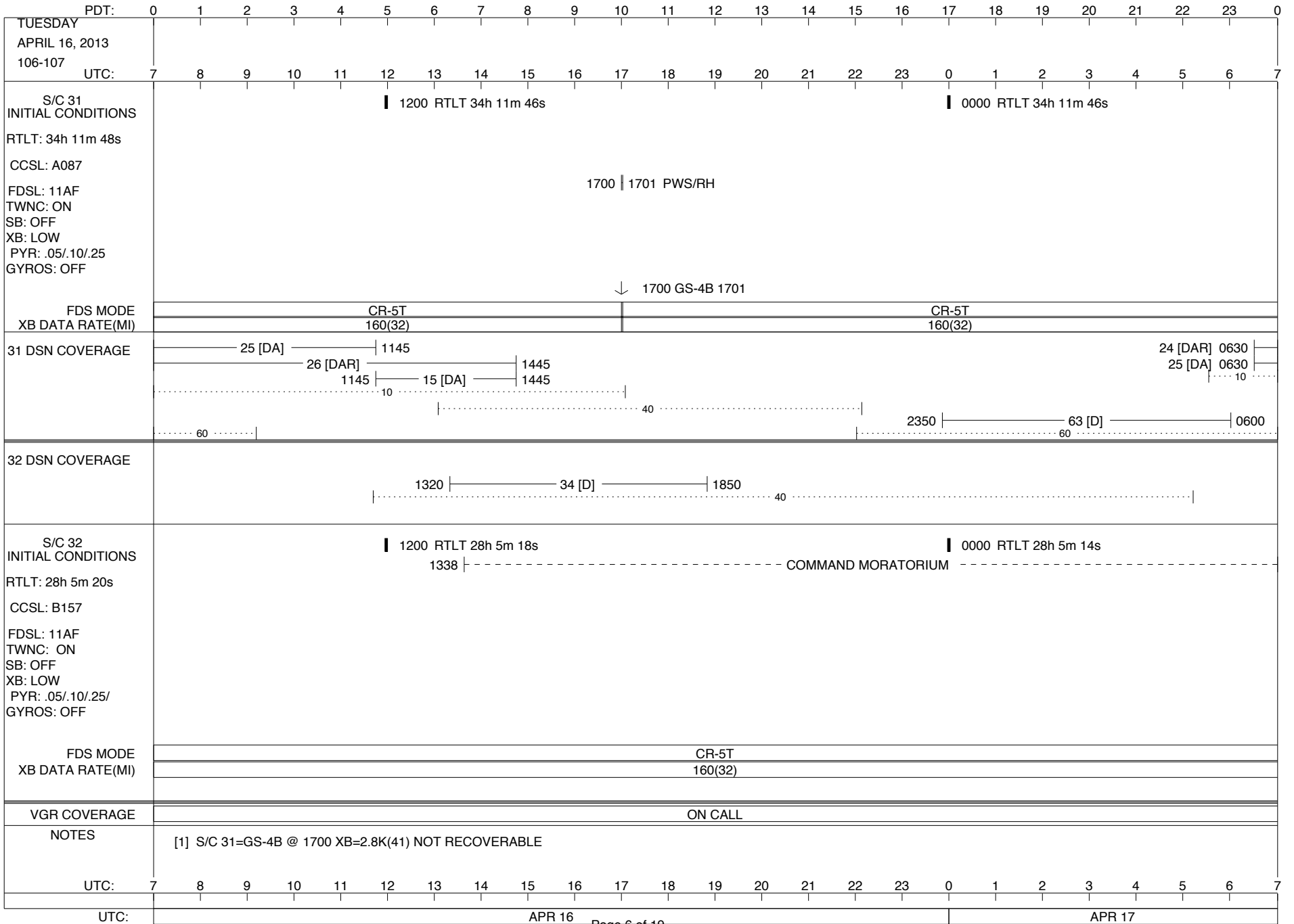


ISSUE DATE: 04/16/13 20:13

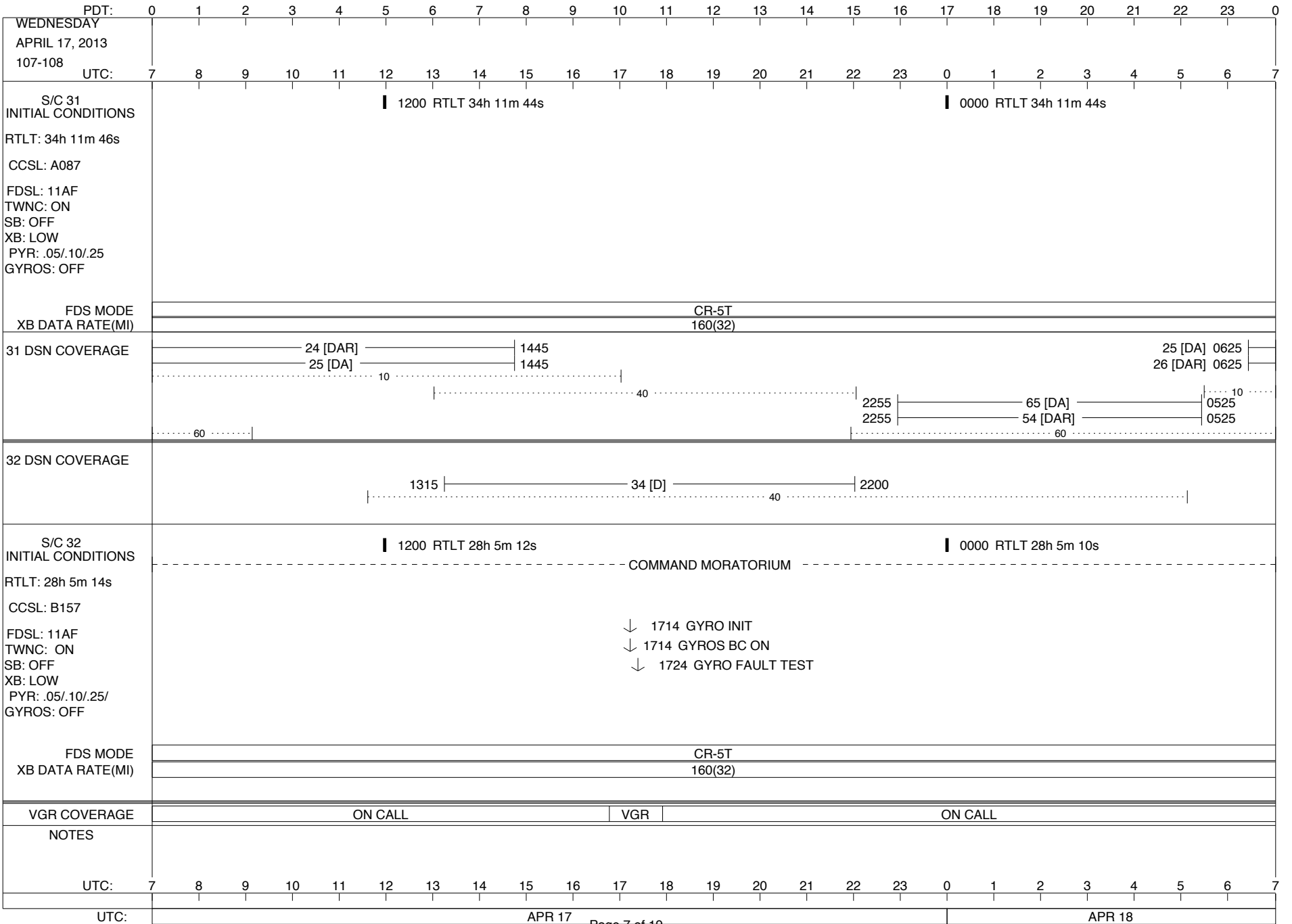


ISSUE DATE: 04/16/13 20:13

PDT:	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 APRIL 15, 2013 105-106																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 34h 11m 48s CCSL: A086 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	14 [D]   1245												25 [DA] 0635 26 [DAR] 0635												
	.....												2305   55 [DAR]   0255   10 2305   65 [DAR]   0255												
	.....												0245   63 [D]   0545 .....												
32 DSN COVERAGE	1325   34 [D]   2210												.....												
S/C 32 INITIAL CONDITIONS RTLT: 28h 5m 26s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 5m 24s												0000 RTLT 28h 5m 20s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE													ON CALL												
NOTES																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
UTC:	APR 15												APR 16												

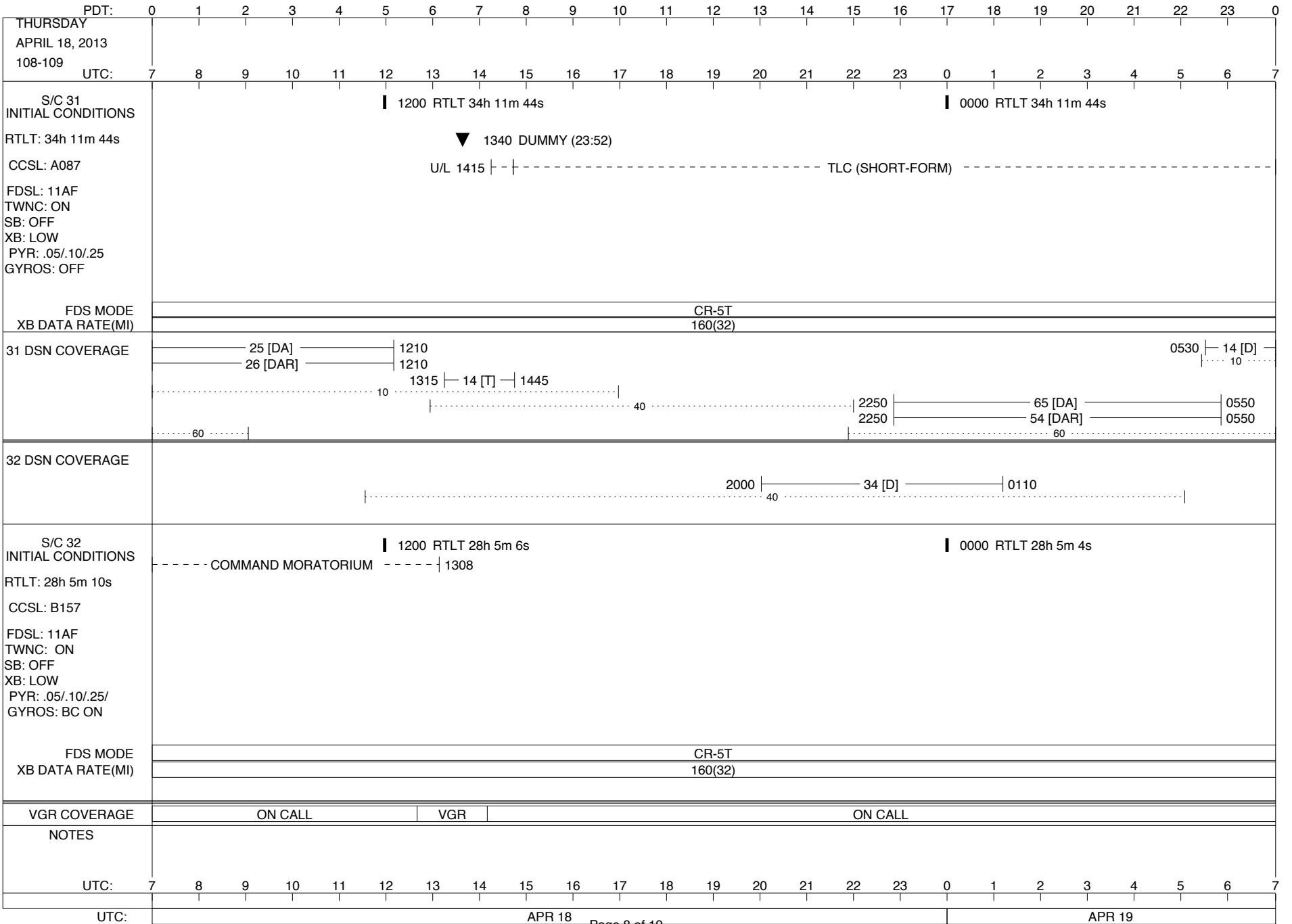


ISSUE DATE: 04/16/13 20:13



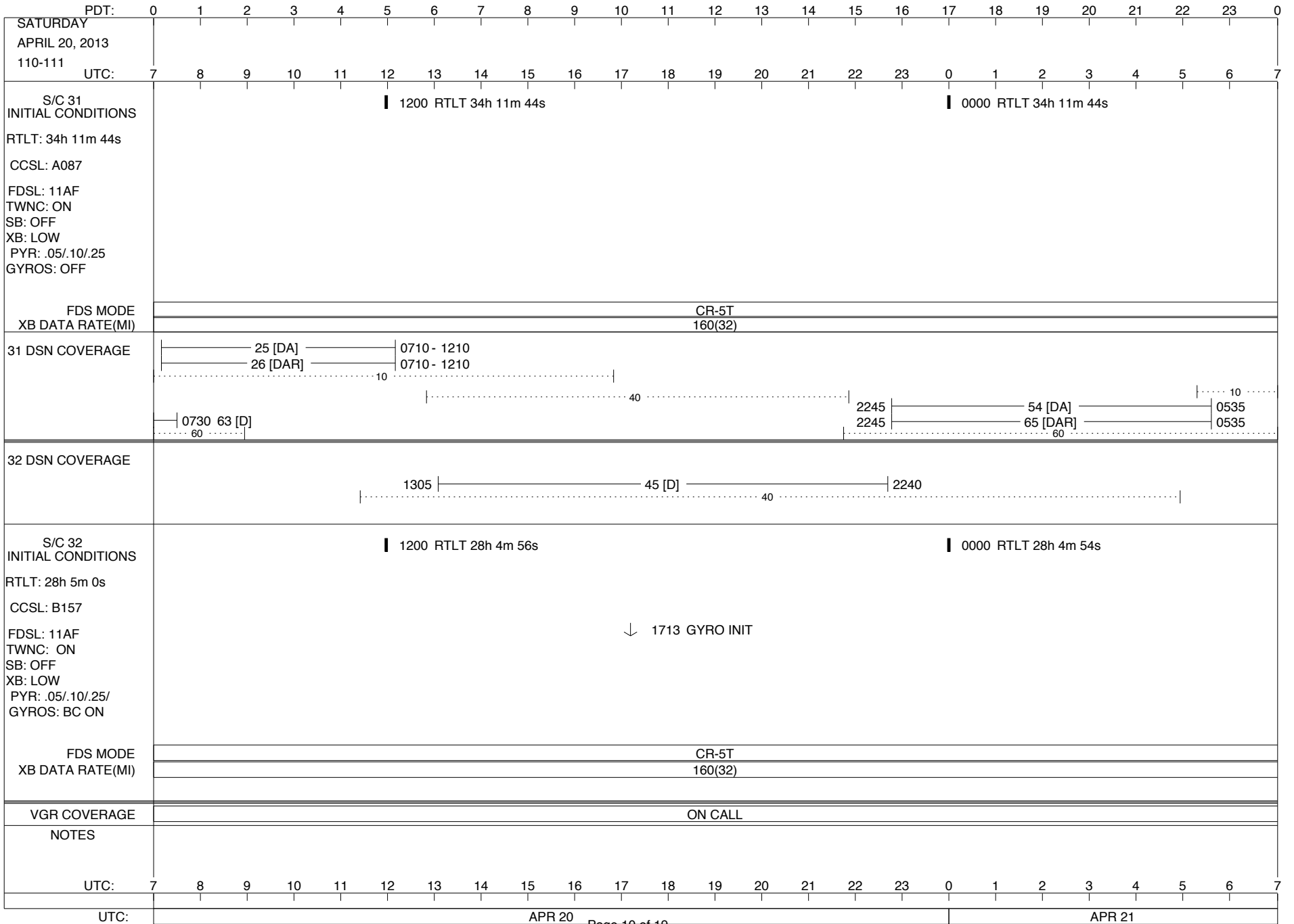


ISSUE DATE: 04/16/13 20:13

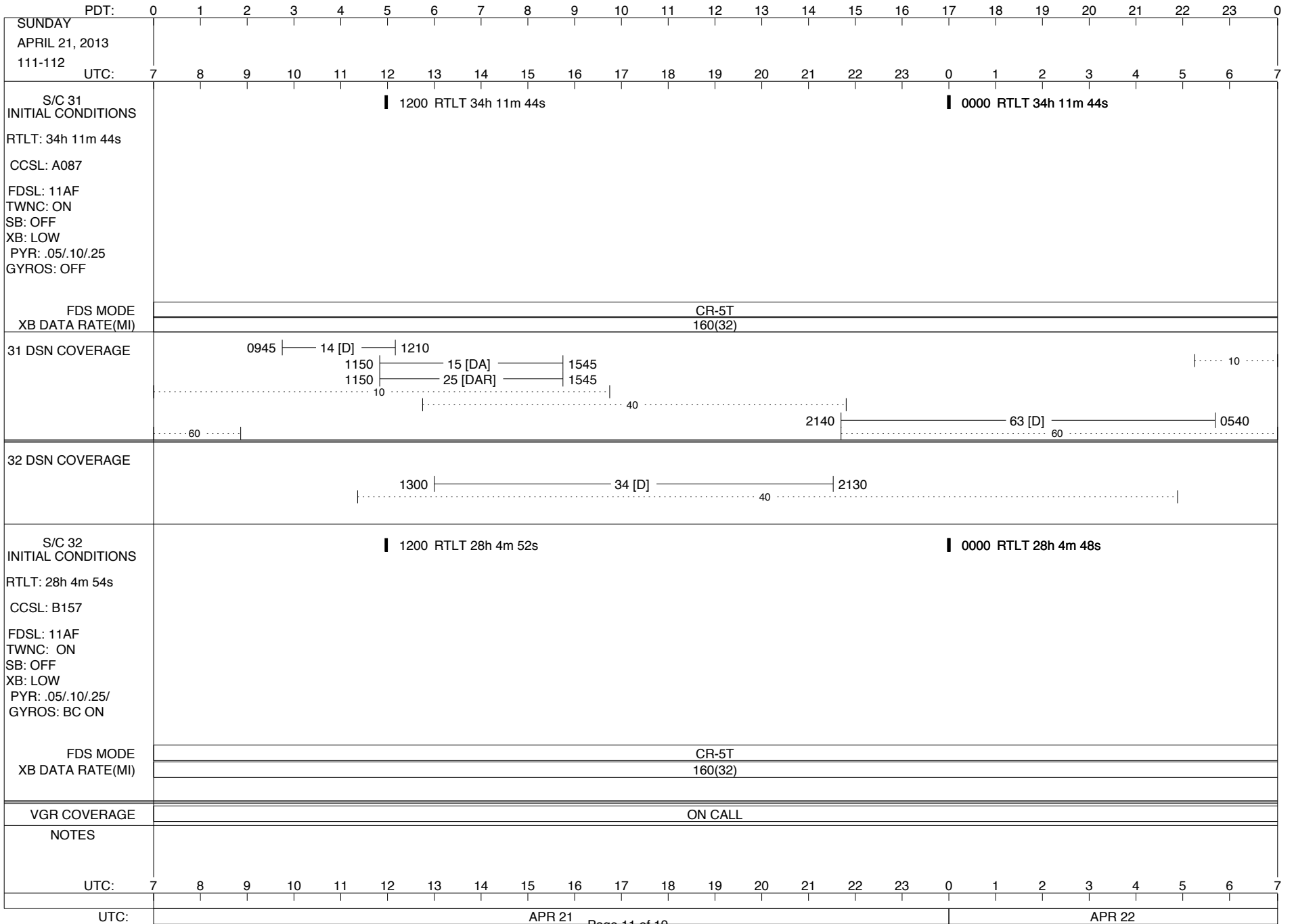


PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
FRIDAY APRIL 19, 2013 109-110																												
S/C 31 INITIAL CONDITIONS RTLTL: 34h 11m 44s CCSL: A087 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 11m 44s												0000 RTLT 34h 11m 44s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	<p>14 [D]   1235</p> <p>.....10..... .....40..... .....10.....</p> <p>.....60..... .....2150..... .....63 [D].....</p> <p>.....60..... .....60.....</p>																											
32 DSN COVERAGE	<p>1310   34 [D]   2335</p> <p>.....40..... .....</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 28h 5m 4s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	1200 RTLT 28h 5m 2s												0000 RTLT 28h 5m 0s															
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 @ 2300 XB=2.8K(41) NOT RECOVERABLE																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
UTC:	APR 19														APR 20													

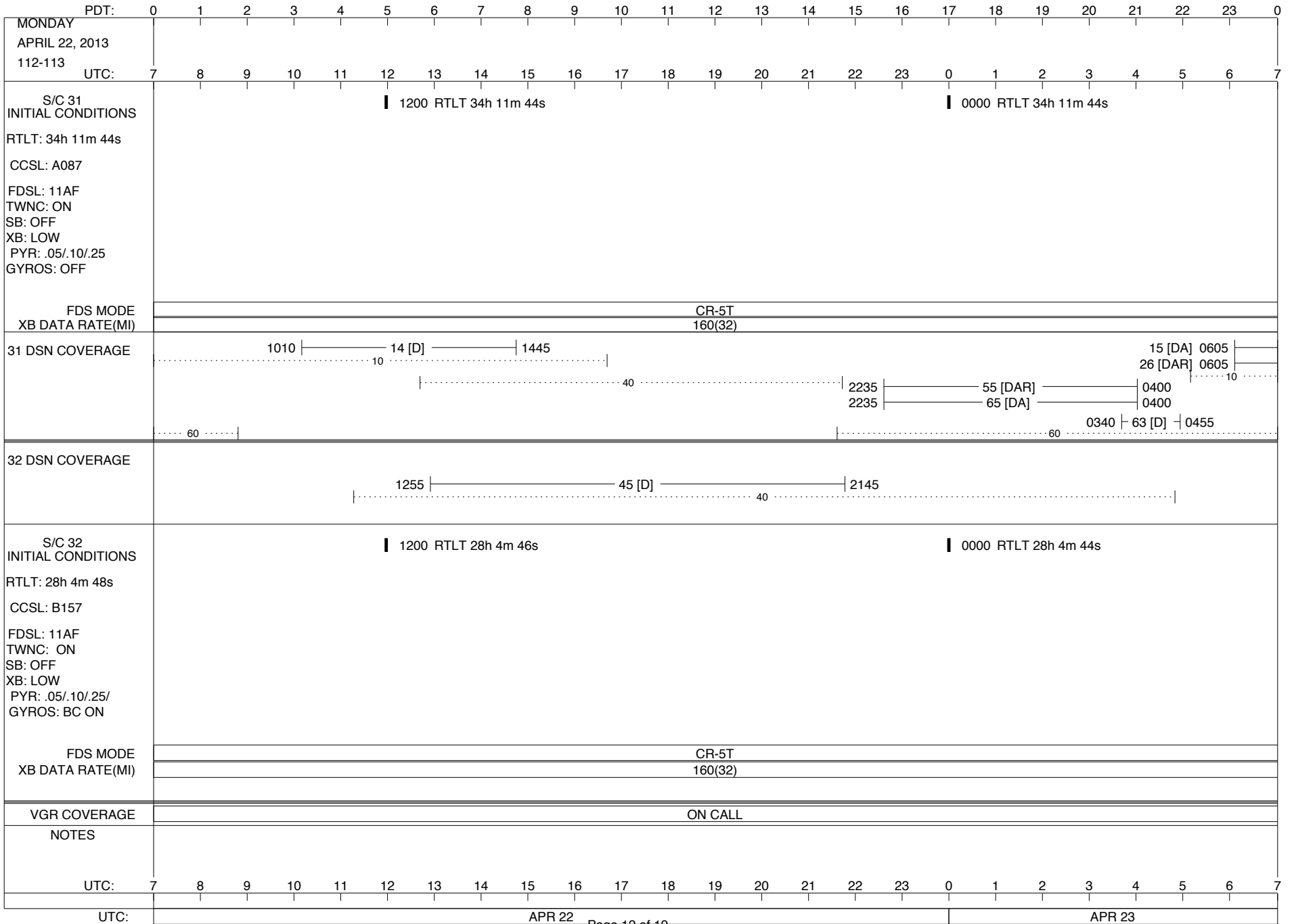
ISSUE DATE: 04/16/13 20:13



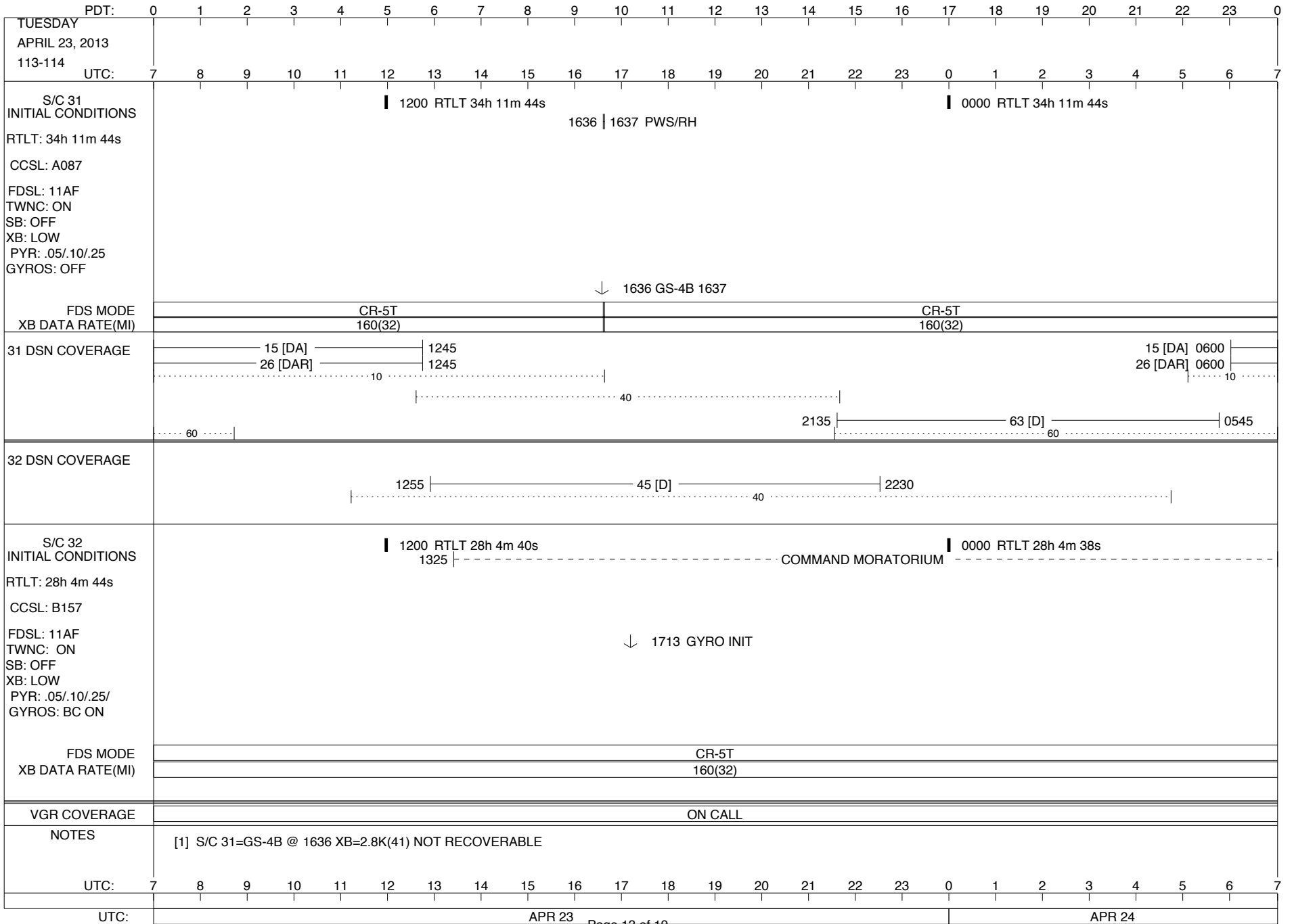
ISSUE DATE: 04/16/13 20:13



ISSUE DATE: 04/16/13 20:13



ISSUE DATE: 04/16/13 20:13



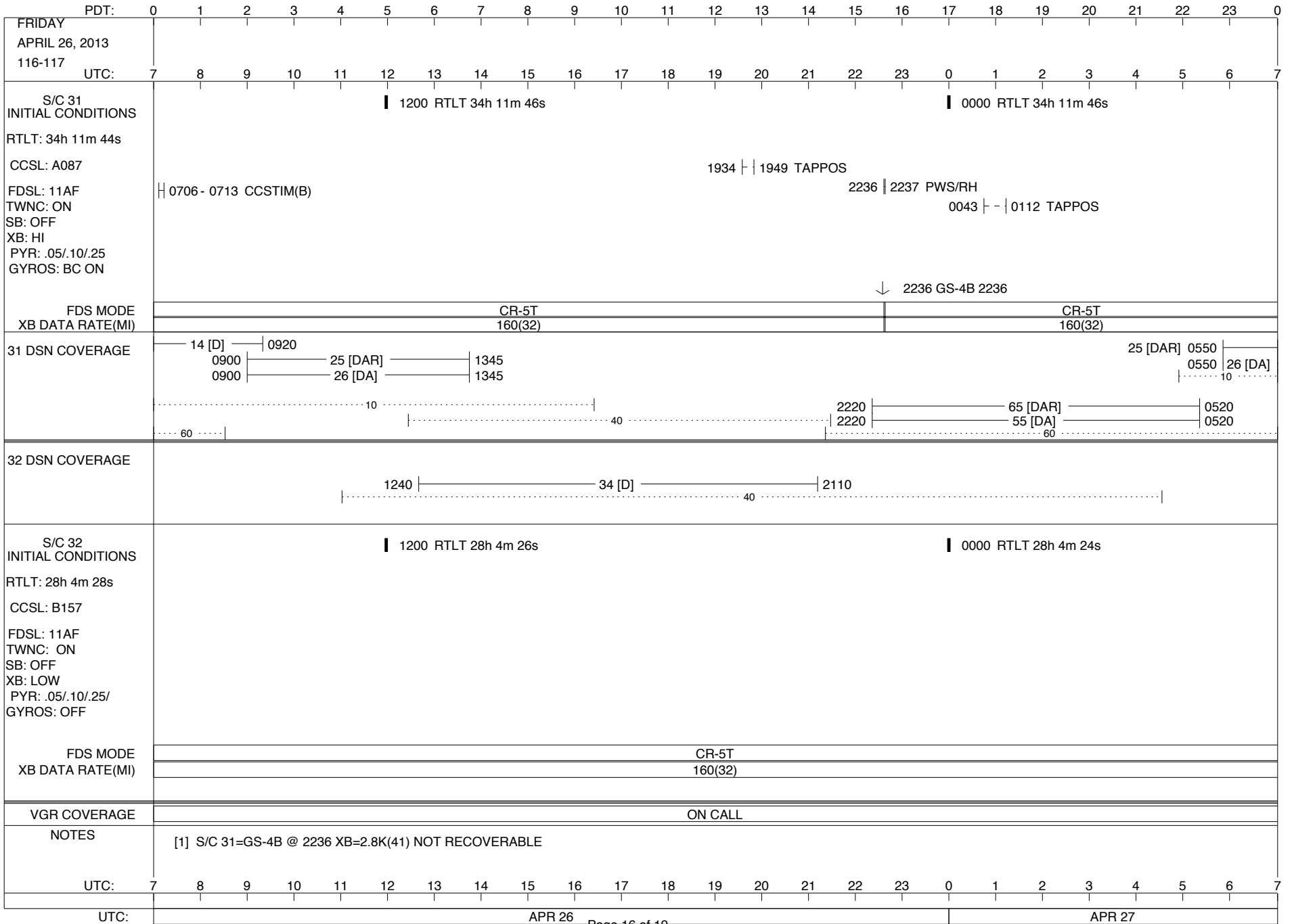
ISSUE DATE: 04/16/13 20:13

PDT:	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:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7					
WEDNESDAY APRIL 24, 2013 114-115																														
S/C 31 INITIAL CONDITIONS RTLTL: 34h 11m 44s CCSL: A087 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 11m 44s												0000 RTLT 34h 11m 44s																	
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)																	
31 DSN COVERAGE	15 [DA] 1445 26 [DAR] 1445 10 ..... 40 ..... 60 ..... 2130 ..... 63 [D] ..... 0325 60												0540 14 [DA] 0540 15 [DA] 26 [DAR] 0540 10																	
32 DSN COVERAGE	1250 34 [DAR] 2335 1250 45 [DA] 2335 ..... 40 .....																													
S/C 32 INITIAL CONDITIONS RTLTL: 28h 4m 38s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	1200 RTLT 28h 4m 36s												0000 RTLT 28h 4m 34s																	
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)																	
VGR COVERAGE	ON CALL												VGR						ON CALL						VGR					
NOTES	[1] S/C 32=D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (1726-2321)																													
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7					
UTC:	APR 24														APR 25															

ISSUE DATE: 04/16/13 20:13

PDT:	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:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
THURSDAY APRIL 25, 2013 115-116																											
S/C 31 INITIAL CONDITIONS RTLTL: 34h 11m 44s CCSL: A087 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 11m 44s												0000 RTLT 34h 11m 44s														
FDS MODE	PB-14												CR-5T														
XB DATA RATE(MI)	1.4K(39)												160(32)														
31 DSN COVERAGE	14 [DA] 1410												0510   14 [D]														
	15 [DA] 1410																										
	26 [DAR] 1410																										
	10												2225   54 [DAR] 0510														
	40												2225   55 [DA] 0125   0510														
	60												0125   65 [DA] 0510														
32 DSN COVERAGE	1245   34 [D] 2145												40														
S/C 32 INITIAL CONDITIONS RTLTL: 28h 4m 34s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 4m 30s												0000 RTLT 28h 4m 28s														
	----- COMMAND MORATORIUM -----   1924																										
FDS MODE	CR-5T																										
XB DATA RATE(MI)	160(32)																										
VGR COVERAGE	VGR												ON CALL														
NOTES	[1] S/C 31=PB-14 @ 0721 XB=1.4K(39)																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
UTC:	APR 25														APR 26												

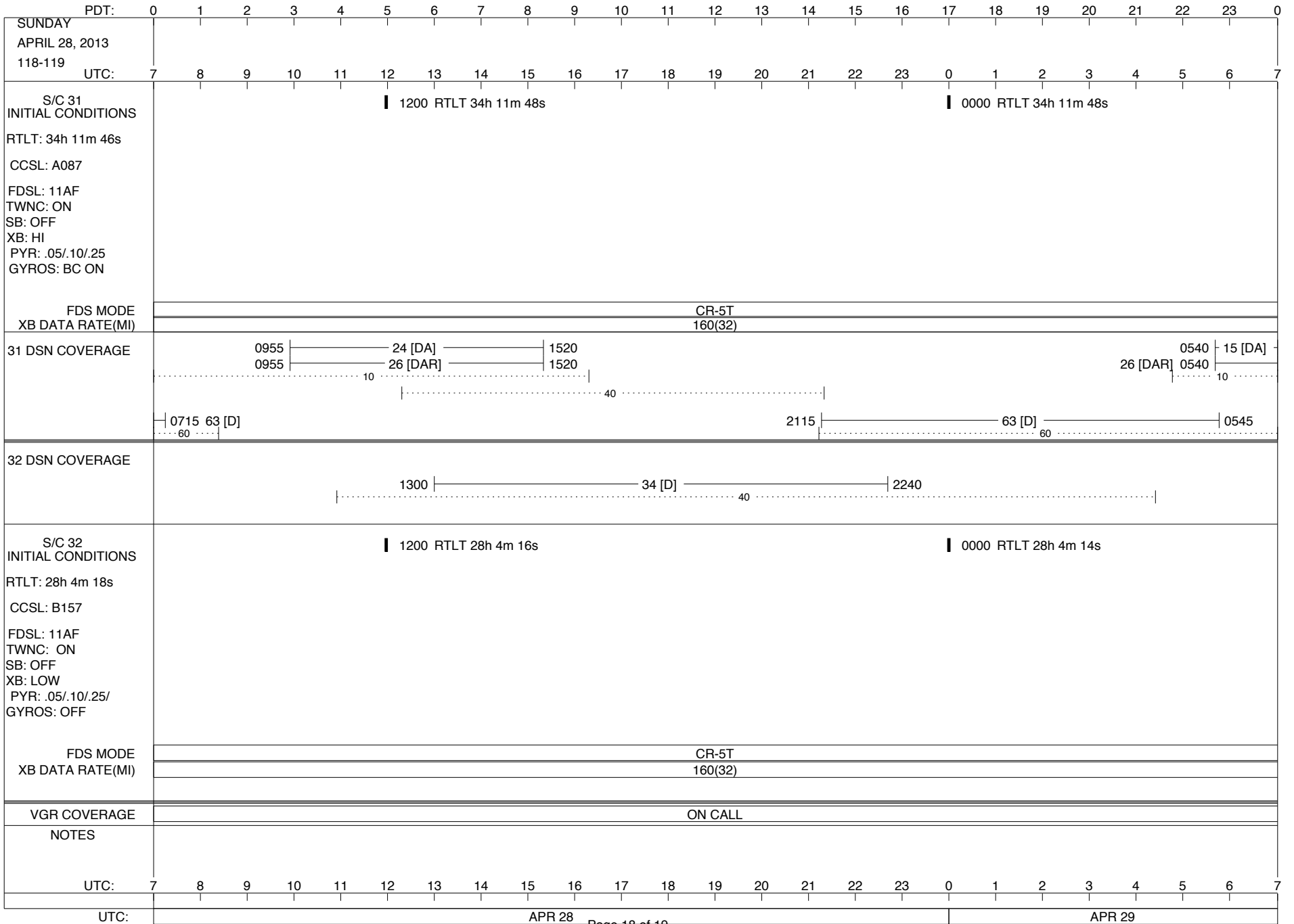




ISSUE DATE: 04/16/13 20:13

PDT:	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 APRIL 27, 2013 117-118	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 34h 11m 46s CCSL: A087 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 34h 11m 46s												0000 RTLT 34h 11m 46s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	25 [DAR] 1230 26 [DA] 1230 10 40 60												2120 63 [D] 60 10													
32 DSN COVERAGE	1235 34 [o] 40												2340													
S/C 32 INITIAL CONDITIONS RTLTL: 28h 4m 24s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 4m 22s												0000 RTLT 28h 4m 18s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE													ON CALL													
NOTES																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
UTC:	APR 27													APR 28												

ISSUE DATE: 04/16/13 20:13



ISSUE DATE: 04/16/13 20:13

PDT:	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 APRIL 29, 2013 119-120	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS RTLT: 34h 11m 48s CCSL: A087 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 34h 11m 48s																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	15 [DA] ————— 1235 26 [DAR] ————— 1235 ..... 10 ..... ..... 40 ..... .... 60 ....																										
32 DSN COVERAGE														1450  ————— 45 [D] —————  2305													
S/C 32 INITIAL CONDITIONS RTLT: 28h 4m 14s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 4m 12s																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE														ON CALL													
NOTES																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
UTC:	APR 29													APR 30													