

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: April 20, 2011

For the Period: 04/21/2011 to 05/16/2011 (11-111 – 11-136)

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

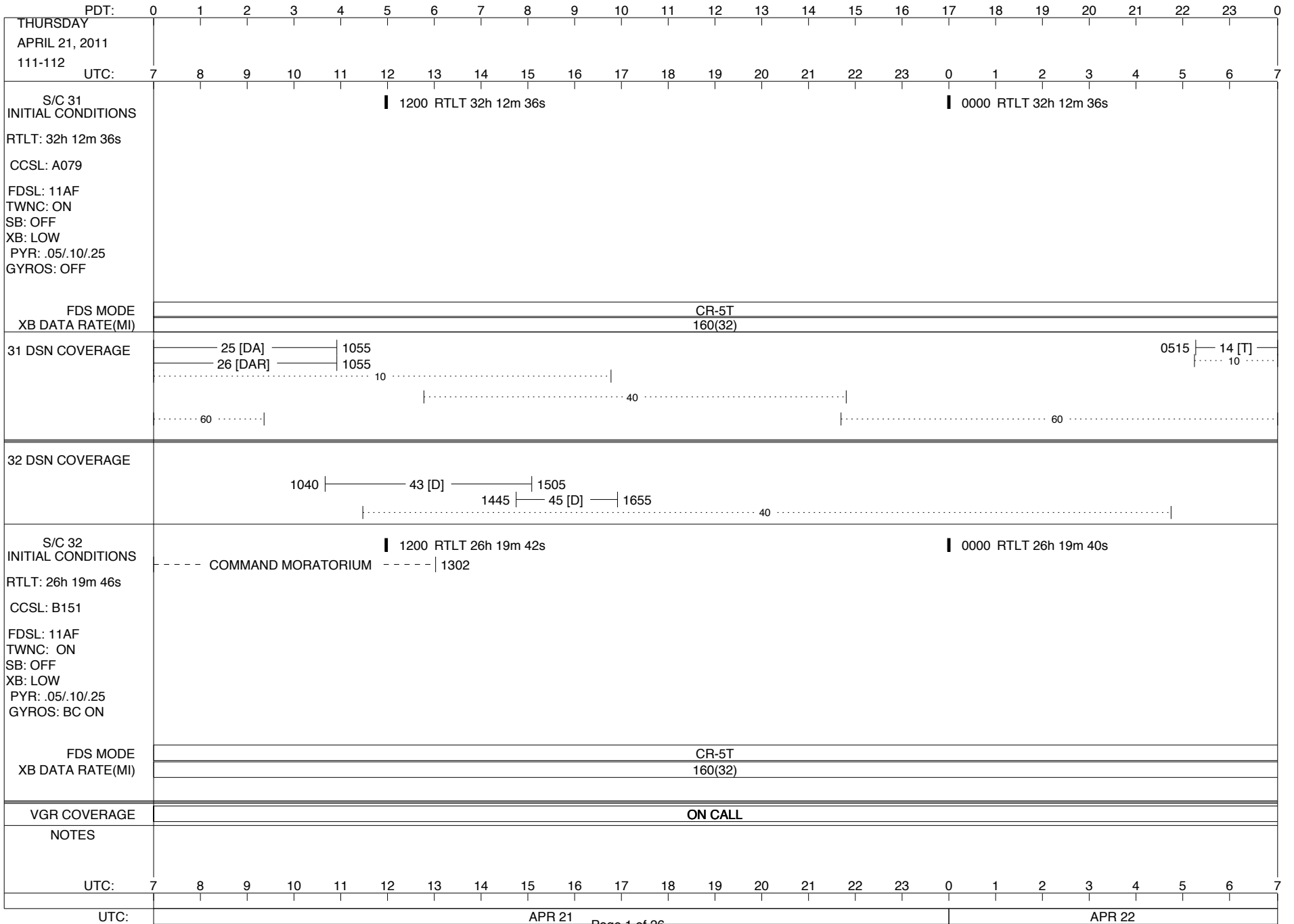
OTHER

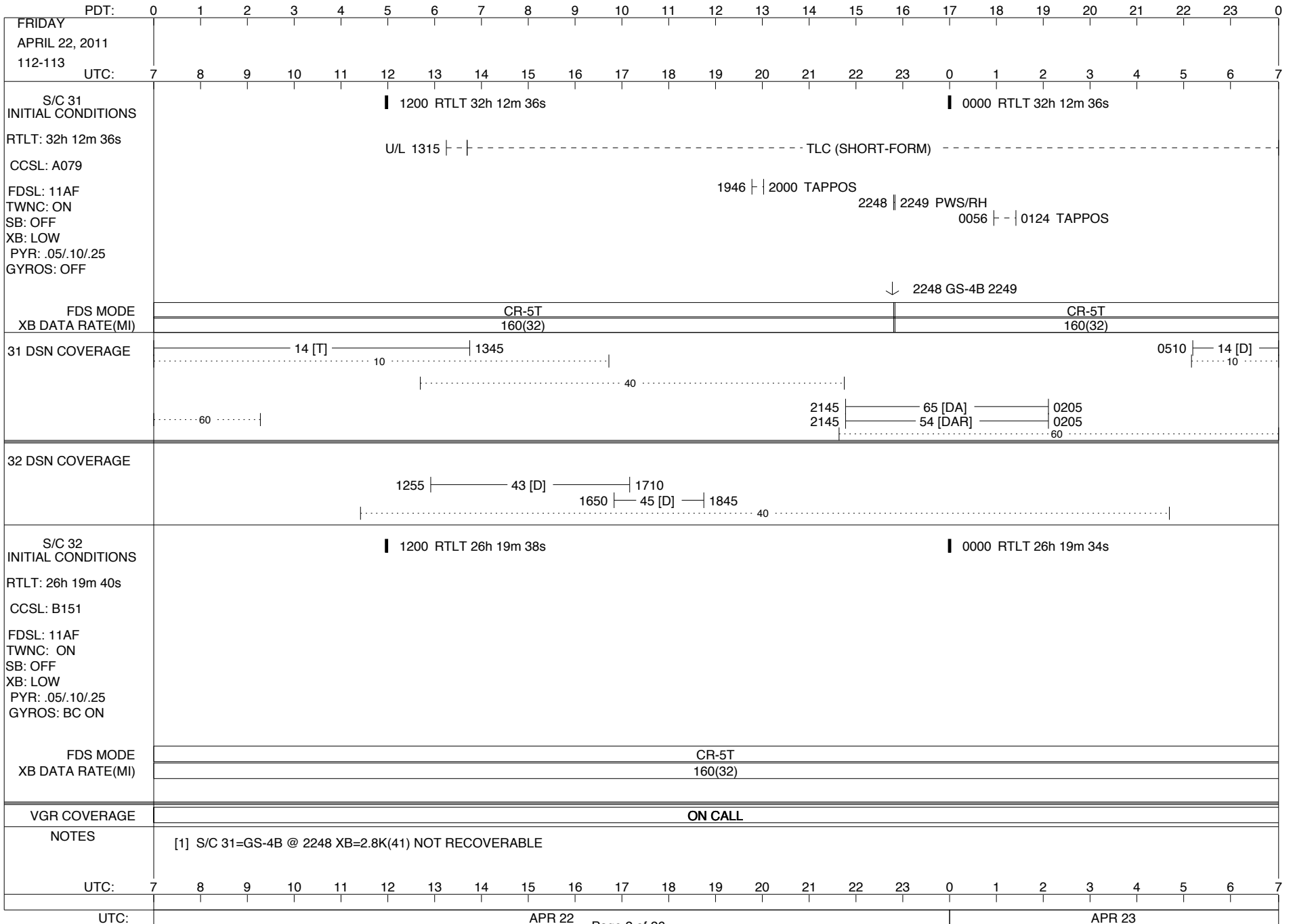
* KMassej@jgld.gdscc.nasa.gov
 * Belinda.Arroyo@jpl.nasa.gov
 * !DL-DSN-MPSETA@dsn.nasa.gov

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

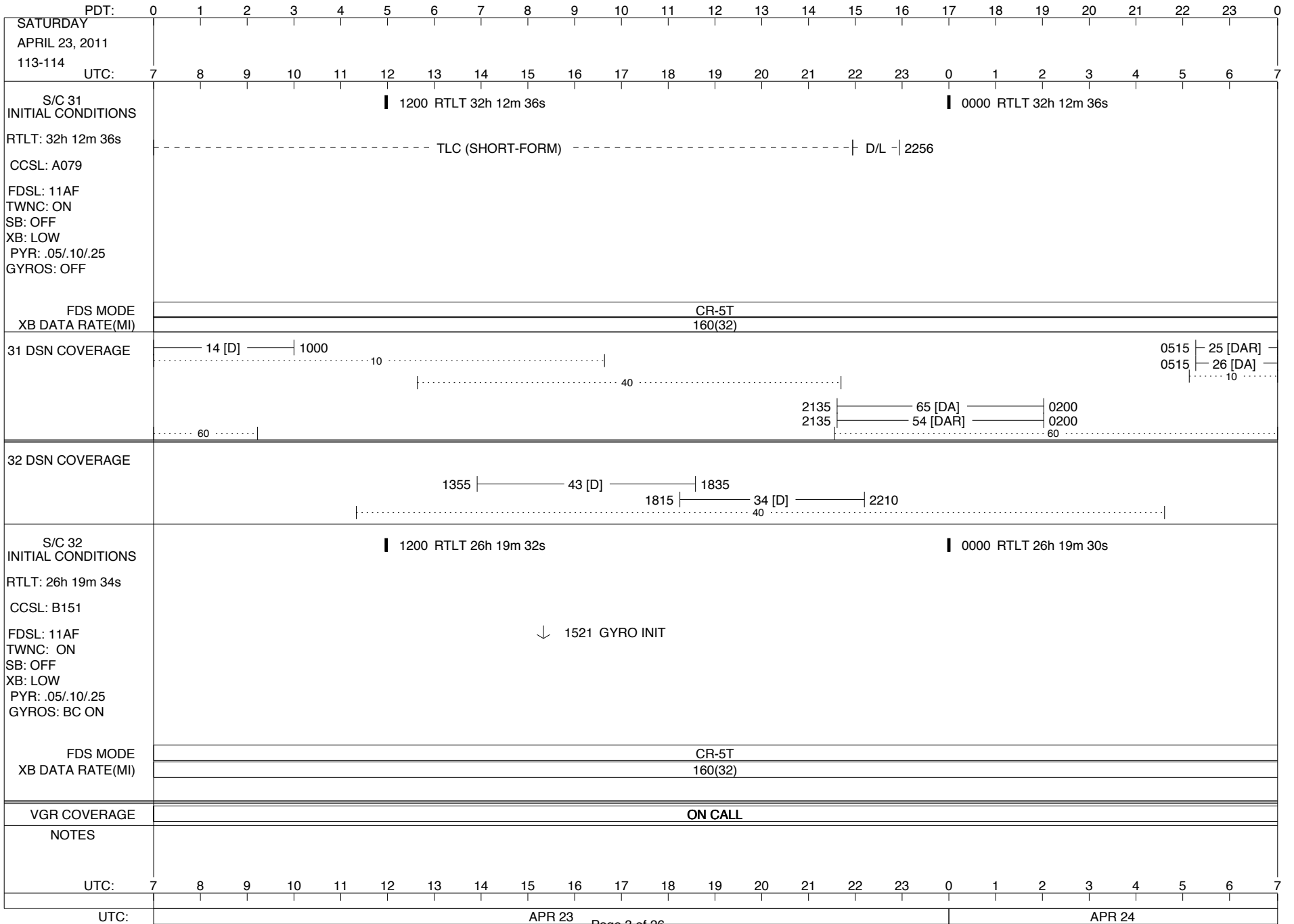
*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10

ISSUE DATE: 04/25/11 22:19

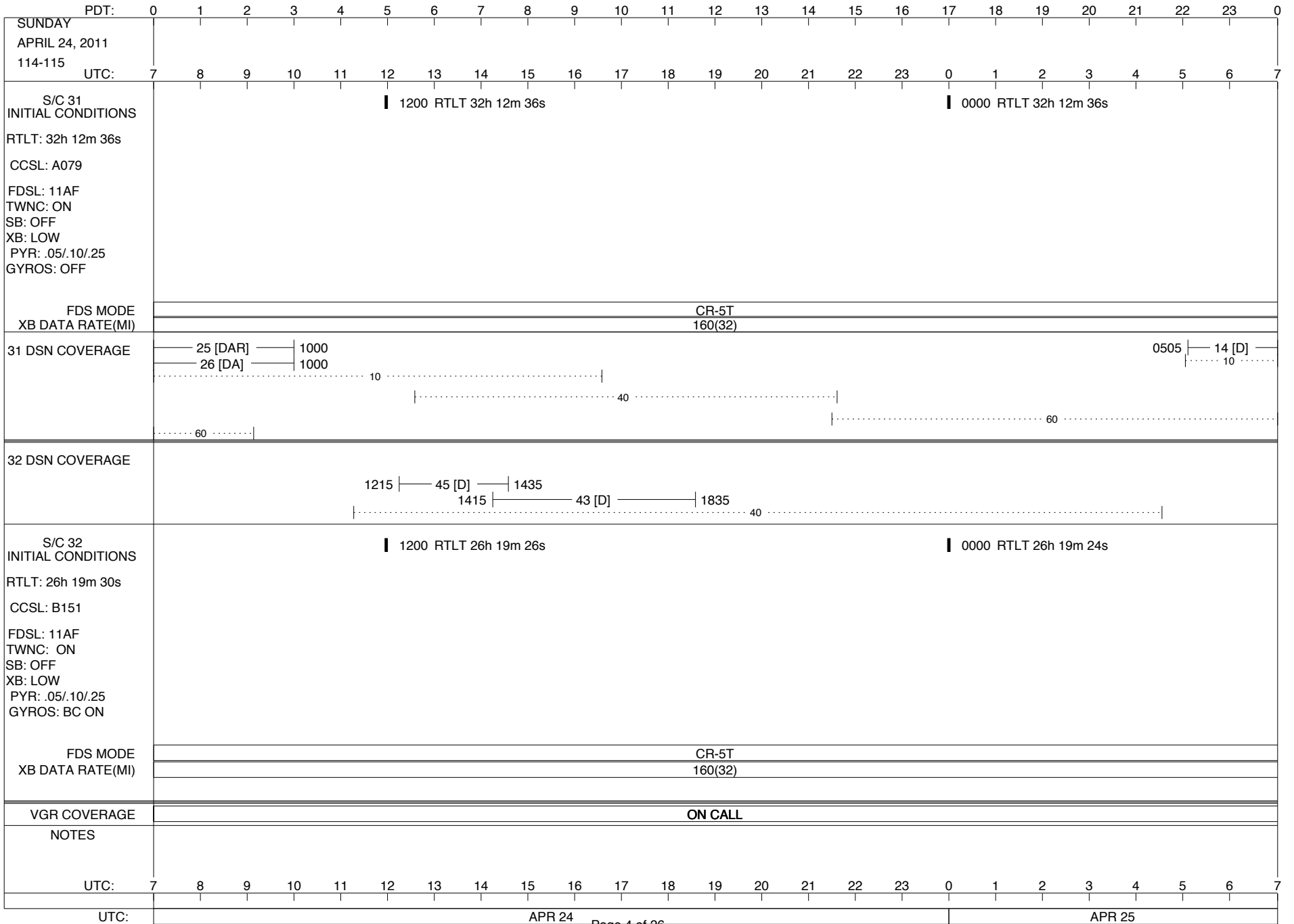




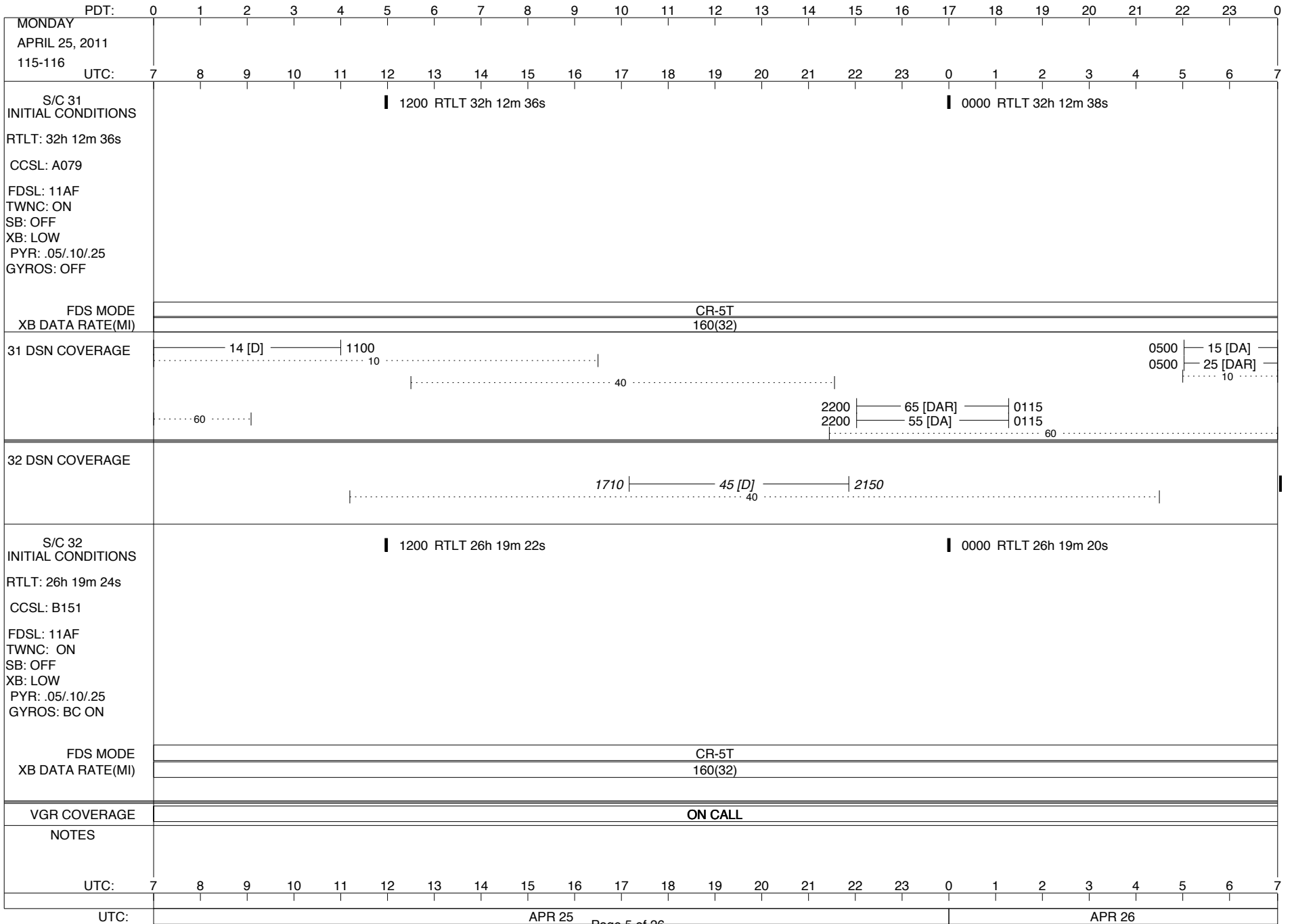
ISSUE DATE: 04/25/11 22:19



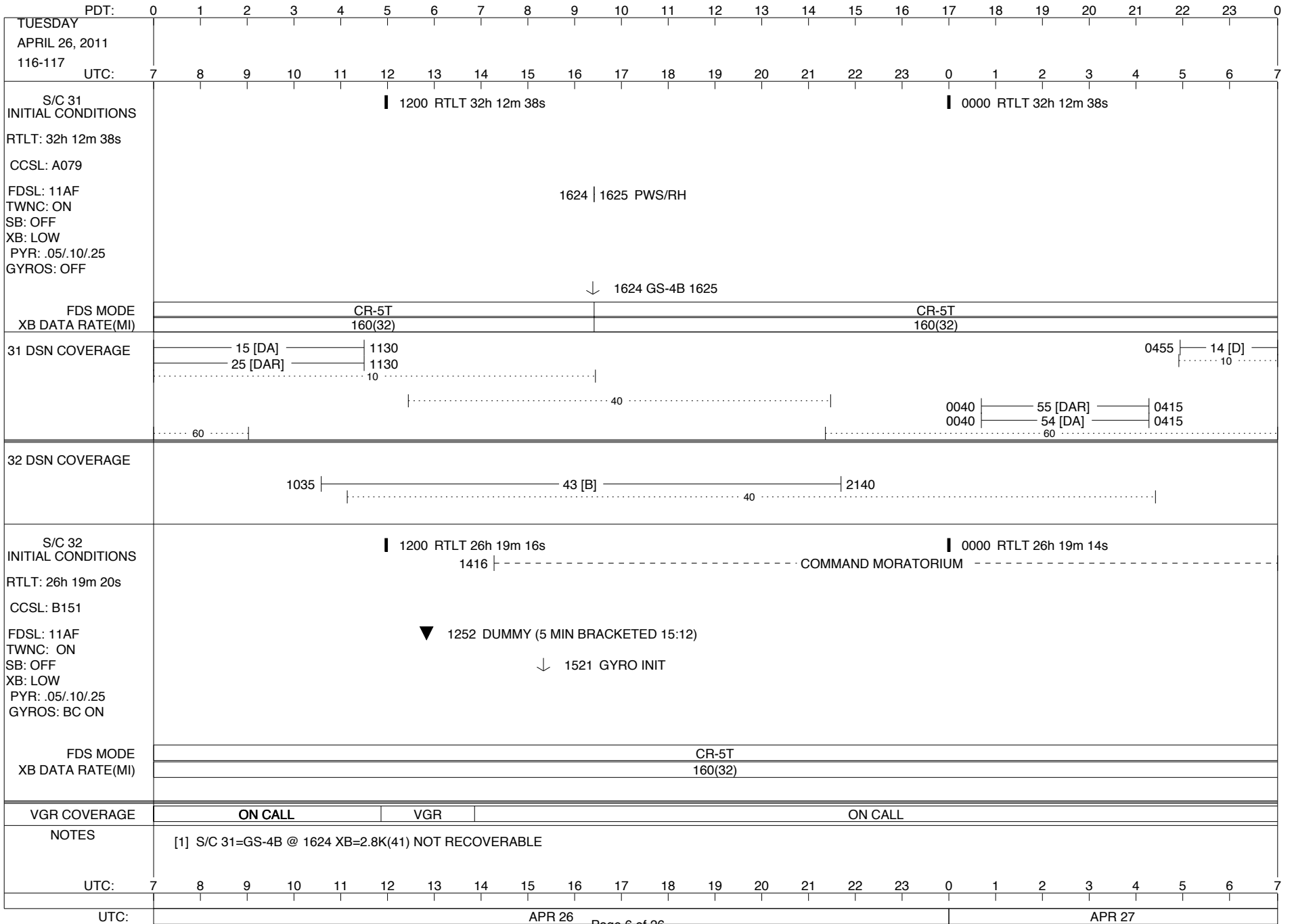
ISSUE DATE: 04/25/11 22:19



ISSUE DATE: 04/25/11 22:19



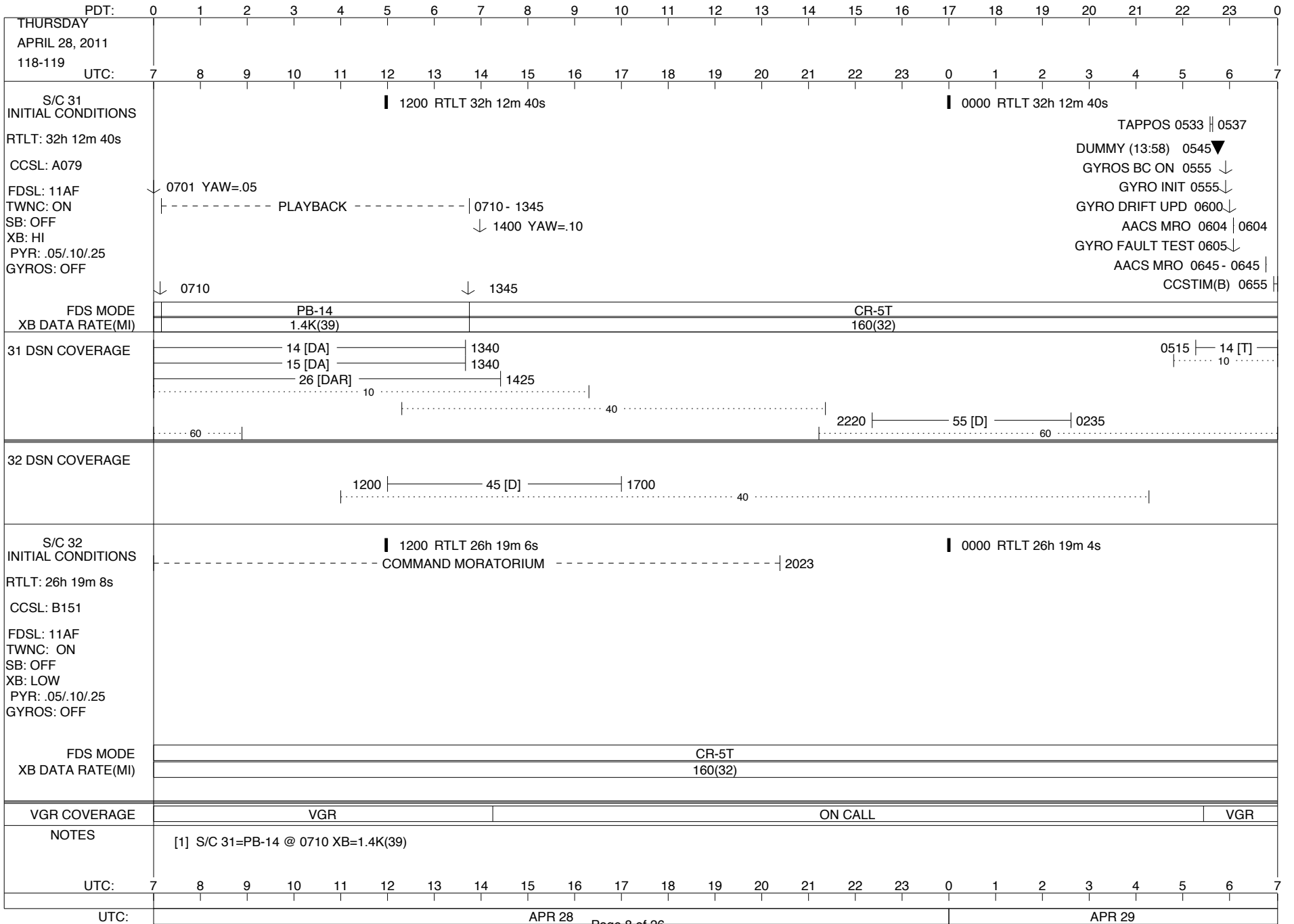
ISSUE DATE: 04/25/11 22:19



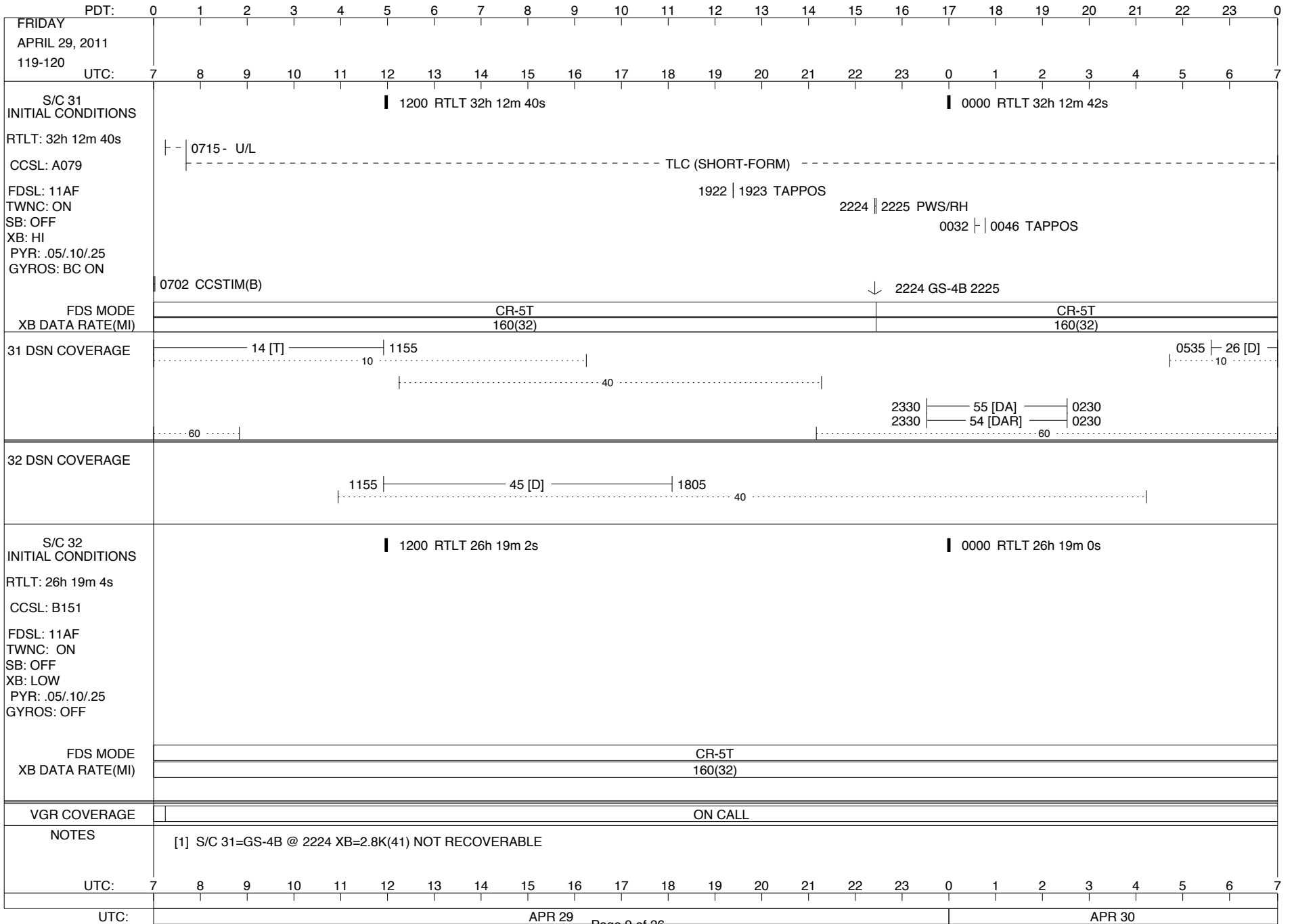
ISSUE DATE: 04/25/11 22:19

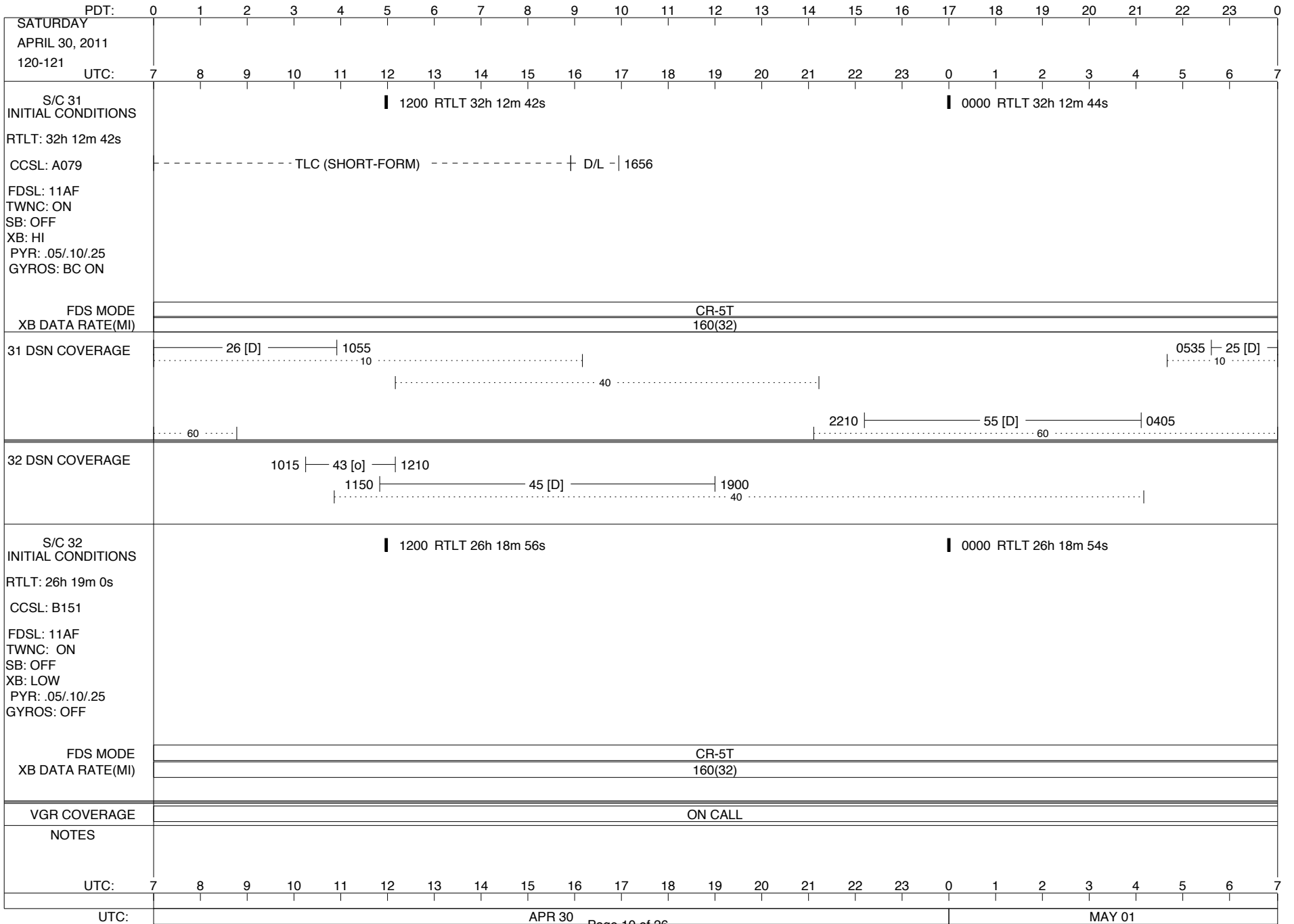
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
WEDNESDAY APRIL 27, 2011 117-118																												
S/C 31 INITIAL CONDITIONS RTLTL: 32h 12m 38s CCSL: A079 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 12m 38s												0000 RTLT 32h 12m 40s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	<p>14 [D] 1145 0540 14 [DA] 0540 15 [DA] 26 [DAR] 0540 10 0040 55 [DA] 0410 0040 54 [DAR] 0410 60</p>																											
32 DSN COVERAGE	<p>1435 43 [D] 2315 40</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 26h 19m 14s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 26h 19m 12s												0000 RTLT 26h 19m 8s															
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 VARIATIONS EXPECTED DURING MAGROL (1534-2129)																											
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: 04/25/11 22:19



ISSUE DATE: 04/25/11 22:19





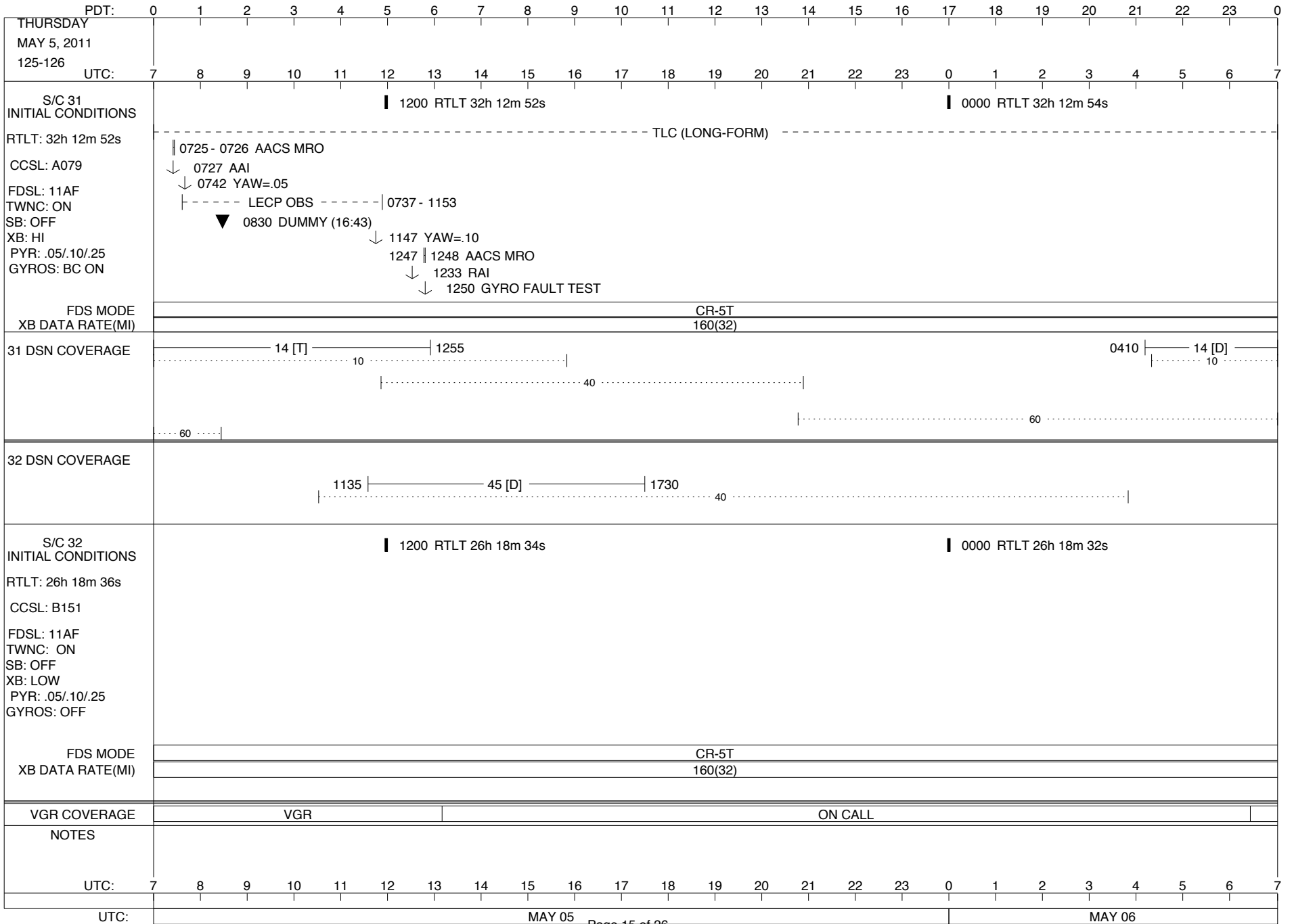
ISSUE DATE: 04/25/11 22:19

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
SUNDAY MAY 1, 2011 121-122																									
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: 32h 12m 44s CCSL: A079 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 32h 12m 44s												0000 RTLT 32h 12m 44s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	25 [D] 1055										0450 14 [D]														
	10										10														
	40										40														
	60										2205 65 [D] 0400														
	60										60														
32 DSN COVERAGE	1145 45 [D] 1940										40														
S/C 32 INITIAL CONDITIONS RTLT: 26h 18m 54s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 26h 18m 52s												0000 RTLT 26h 18m 50s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL																				VGR				
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:	MAY 01												MAY 02												

ISSUE DATE: 04/25/11 22:19

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 MAY 4, 2011 124-125																												
S/C 31 INITIAL CONDITIONS RTLT: 32h 12m 48s CCSL: A079 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 32h 12m 50s												0000 RTLT 32h 12m 52s												U/L 0630 - TLC (LONG-FORM)			
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLT: 26h 18m 40s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 26h 18m 38s												0000 RTLT 26h 18m 36s												▼ 1337 DUMMY (5 MIN BRACKETED 15:56)			
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE	ON CALL							VGR							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:	MAY 04														MAY 05													

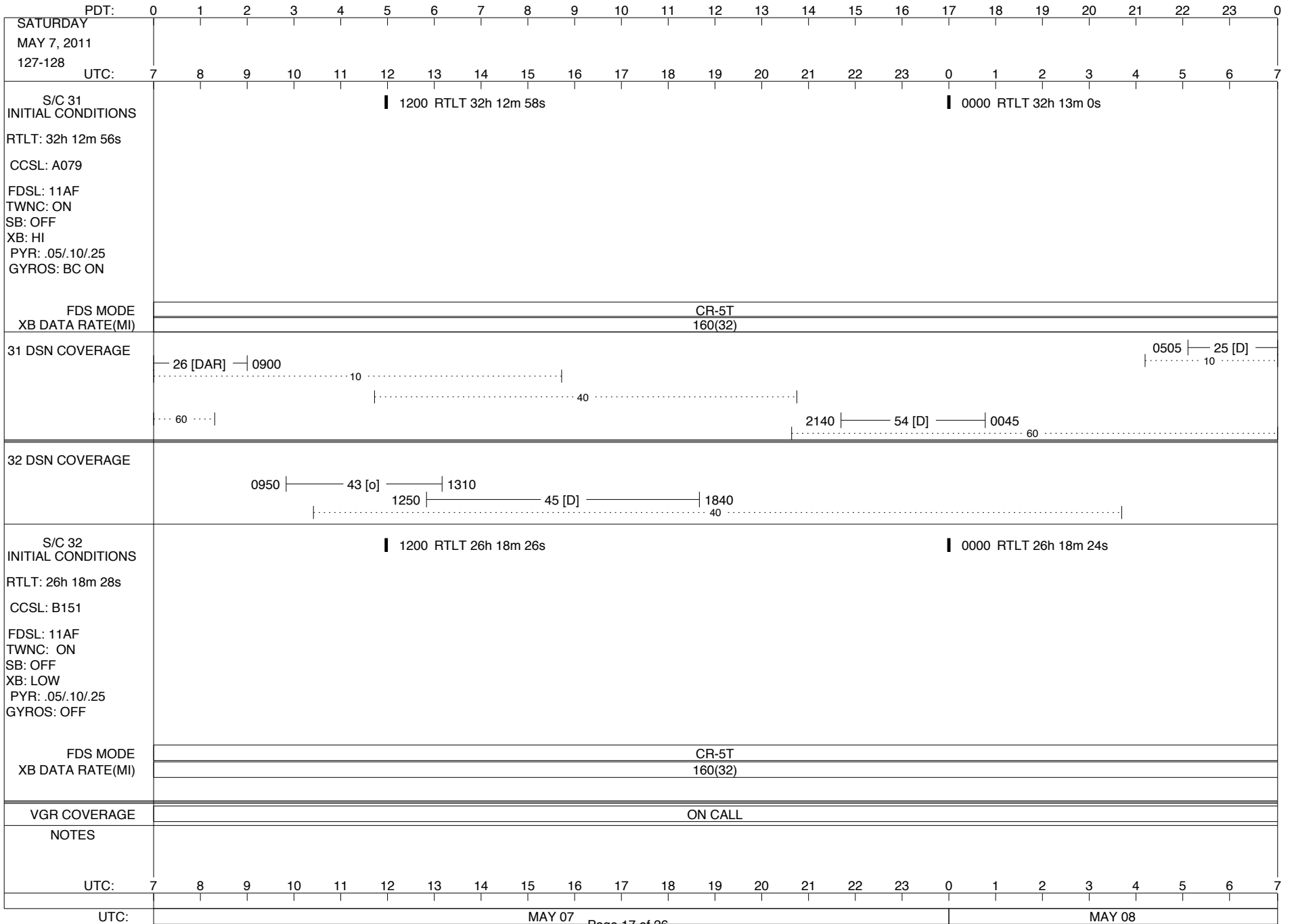
ISSUE DATE: 04/25/11 22:19



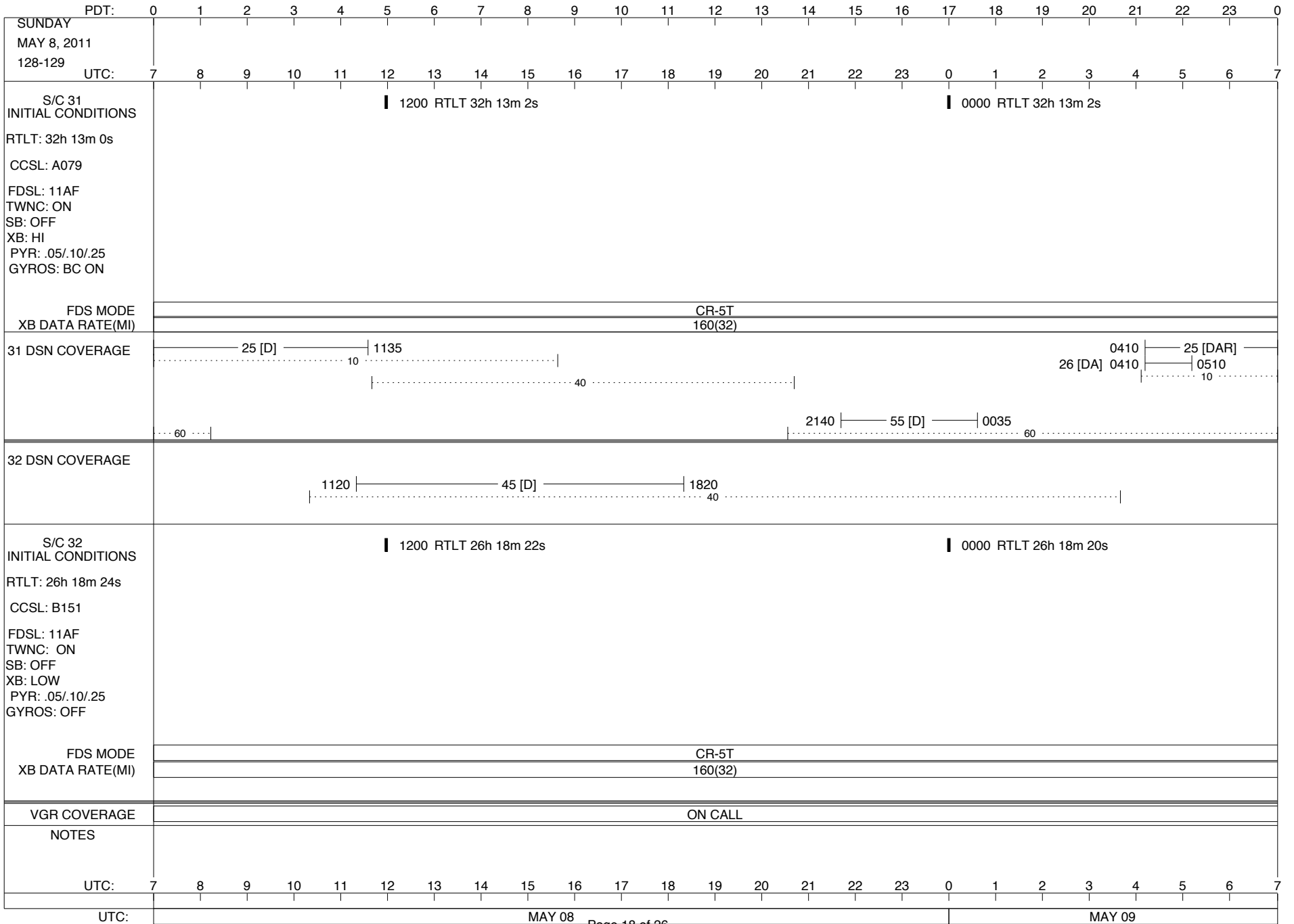
ISSUE DATE: 04/25/11 22:19

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
FRIDAY MAY 6, 2011 126-127																									
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	1200 RTLT 32h 12m 56s												0000 RTLT 32h 12m 56s												
RTLT: 32h 12m 54s	TLC (LONG-FORM) ----- D/L - 1611																								
CCSL: A079													1858 1859 TAPPOS												
FDSL: 11AF	0705 AAI												2201 2201 PWS/RH												
TWNC: ON	MAGROL ----- 0708 - 1304												0008 0022 TAPPOS												
SB: OFF	↓ 1257 RAI																								
XB: HI	↓ 1300 SET CALIB - GYROS STAY ON																								
PYR: .05/10/25	↓ 1301 CLEAR FIRST - PSEUDO FB & SWEEP																								
GYROS: BC ON													↓ 2200 GS-4B 2201												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] ----- 1350												25 [DA] 0415 ----- 0515												
												0415 ----- 26 [DAR] -----												
												
												
32 DSN COVERAGE	1125 ----- 45 [D] ----- 1925																								
												
S/C 32 INITIAL CONDITIONS	1200 RTLT 26h 18m 30s												0000 RTLT 26h 18m 28s												
RTLT: 26h 18m 32s																									
CCSL: B151																									
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	VGR												ON CALL												
NOTES	[1] S/C 31=D/L AGC VARIATIONS EXPECTED DURING MAGROL (0708-1304)																								
	[2] S/C 31=GS-4B @ 2200 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:	MAY 06												MAY 07												

ISSUE DATE: 04/25/11 22:19



ISSUE DATE: 04/25/11 22:19



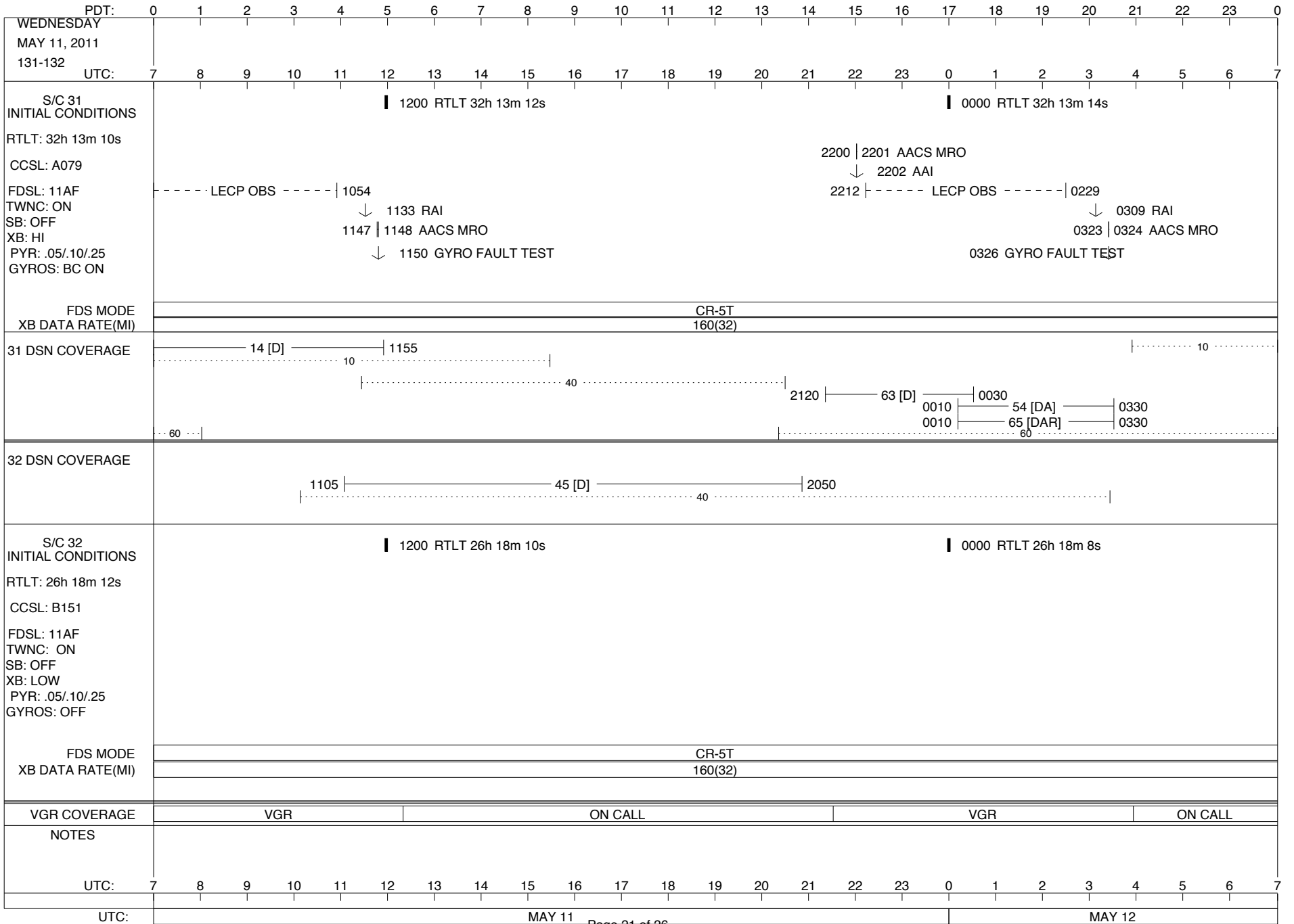
ISSUE DATE: 04/25/11 22:19

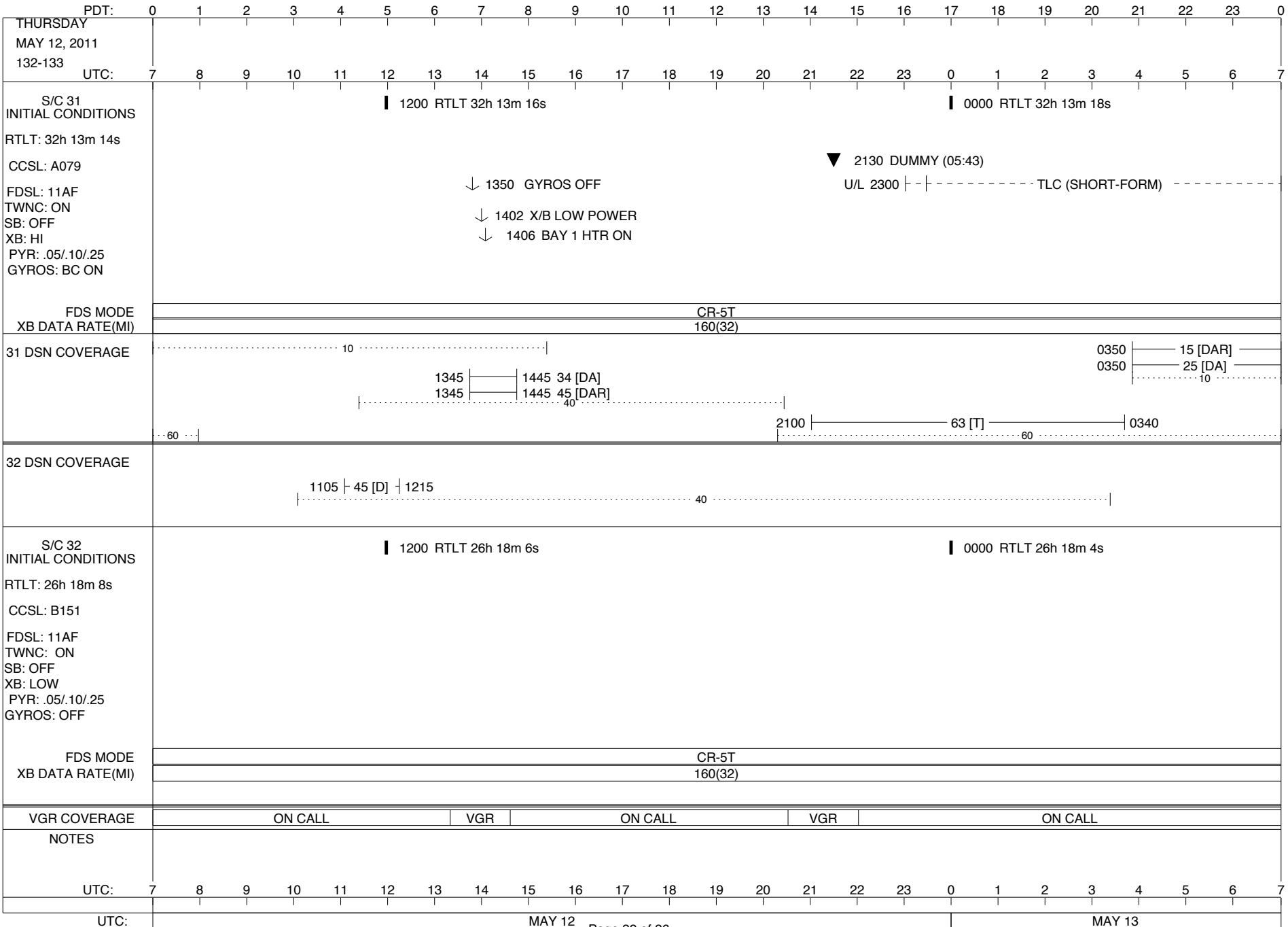
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
MONDAY MAY 9, 2011 129-130																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 32h 13m 2s CCSL: A079 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 32h 13m 4s												0000 RTLT 32h 13m 6s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	0755 25 [DAR]												0405 15 [DA] 0405 26 [DAR]												
10.....40.....												2035 2135 54 [DA] 2035 65 [DAR] 0050												
	...6060.....												
32 DSN COVERAGE	1115 45 [D] 1525												1505 34 [D] 2000												
40.....																							
S/C 32 INITIAL CONDITIONS RTLT: 26h 18m 20s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 26h 18m 18s												0000 RTLT 26h 18m 16s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																					VGR			
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:	MAY 09												MAY 10												

ISSUE DATE: 04/25/11 22:19

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			
TUESDAY MAY 10, 2011 130-131	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: 32h 13m 6s CCSL: A079 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 32h 13m 8s												0000 RTLT 32h 13m 10s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	15 [DA] 1040 26 [DAR] 1040 60												0415 14 [D] 10 2025 55 [DA] 0345 2025 65 [DAR] 0345 60															
32 DSN COVERAGE	1110 45 [D] 1655 40																											
S/C 32 INITIAL CONDITIONS RTLTL: 26h 18m 16s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 26h 18m 14s												0000 RTLT 26h 18m 12s															
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	VGR				ON CALL								VGR				ON CALL				VGR							
NOTES	[1] S/C 31=GS-4B @ 1536 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:	MAY 10														MAY 11													

ISSUE DATE: 04/25/11 22:19

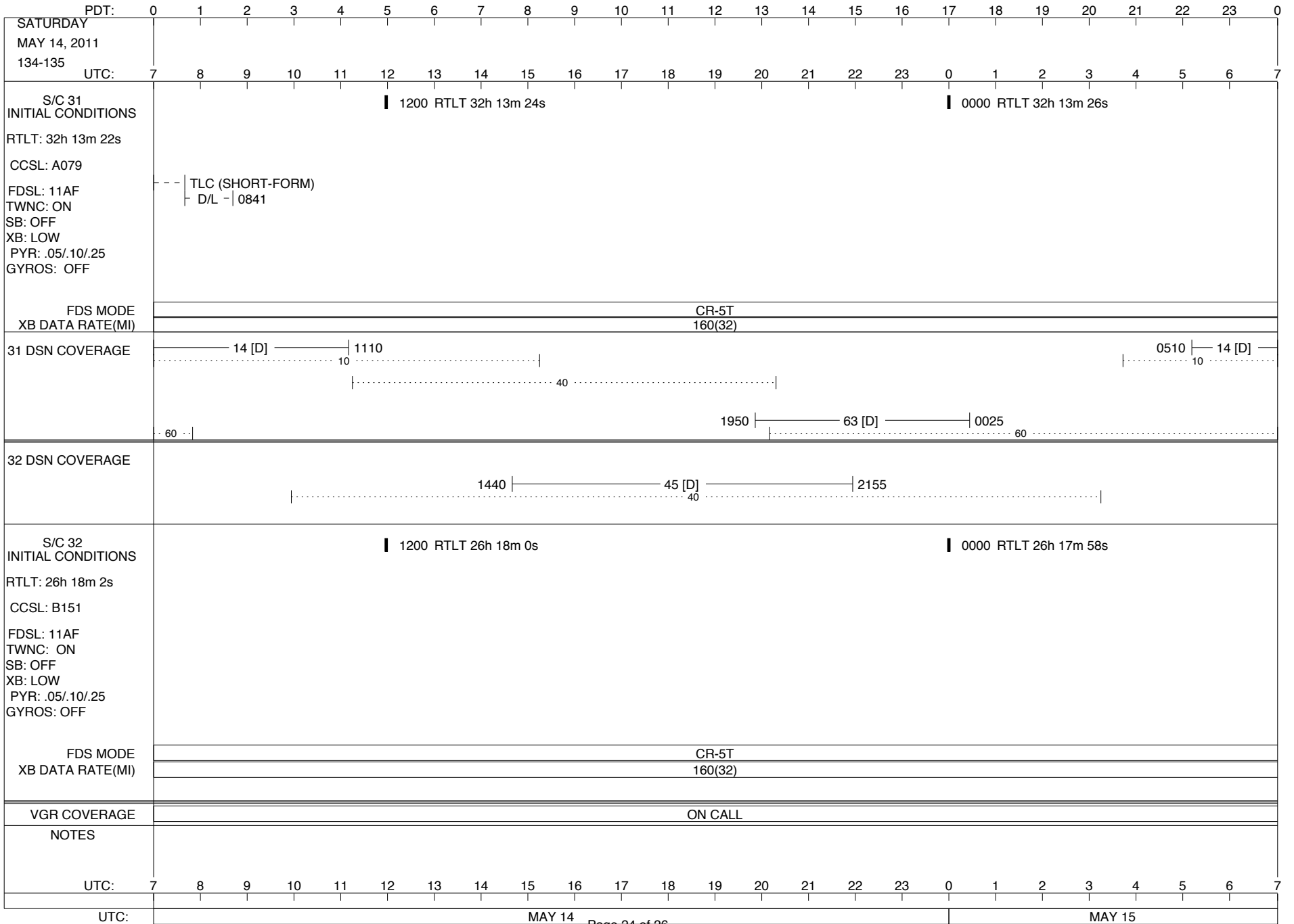




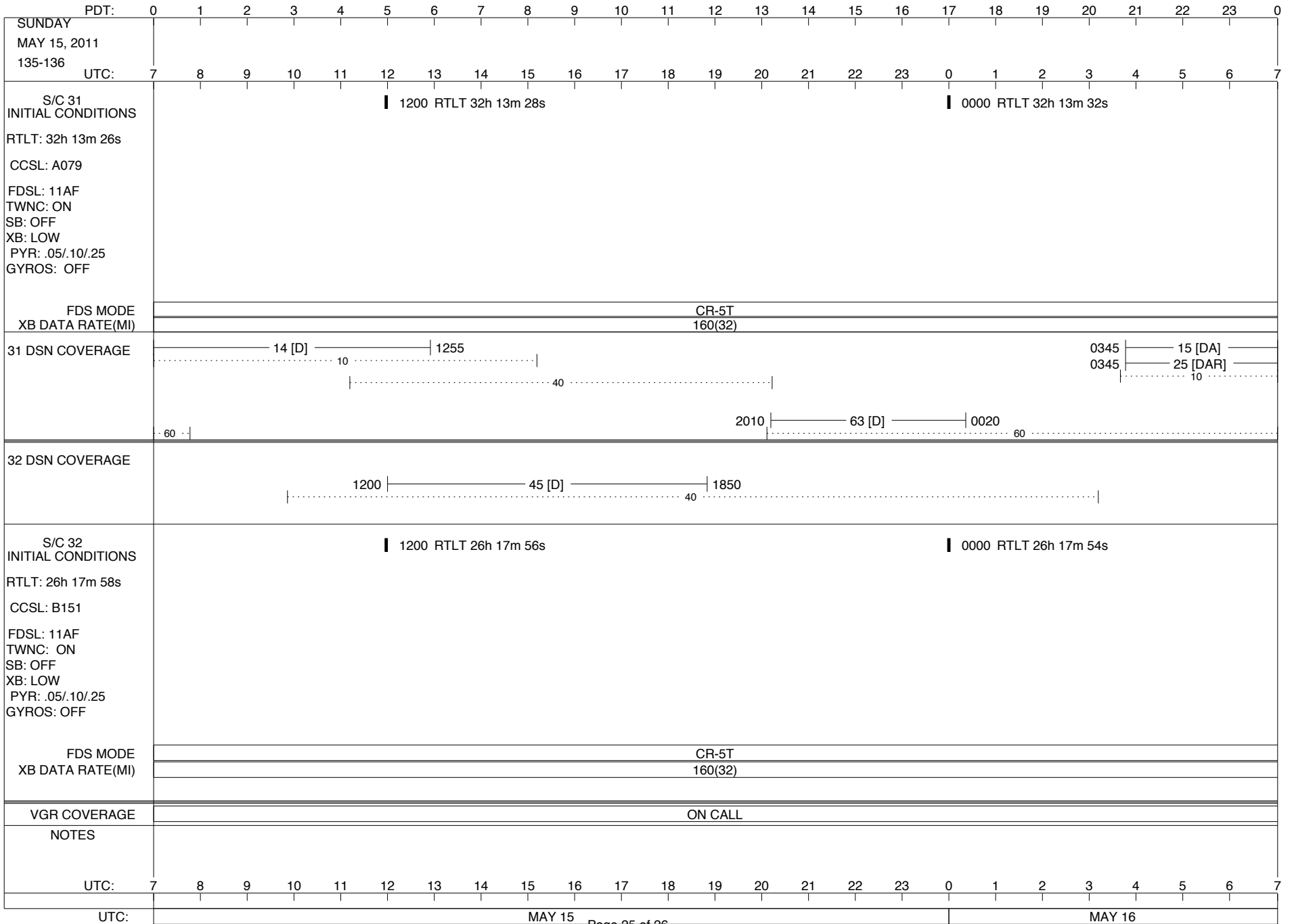
ISSUE DATE: 04/25/11 22:19

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			
FRIDAY MAY 13, 2011 133-134																												
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: 32h 13m 18s CCSL: A079 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 32h 13m 20s												0000 RTLT 32h 13m 22s															
----- TLC (SHORT-FORM) -----																												
1834 1835 TAPPOS														2136 2137 PWS/RH														
														2344 2358 TAPPOS														
														↓ 2136 GS-4B 2137														
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	0750 15 [DAR] 030 14 [D] 1345												0515 14 [D]															
	0750 25 [DA]												10 40															
	60												2020 55 [DA] 0340															
													2020 54 [DAR] 0340															
													60															
32 DSN COVERAGE	1005 43 [D] 1215																											
	1155 45 [D] 1515												40															
S/C 32 INITIAL CONDITIONS RTLTL: 26h 18m 4s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 26h 18m 4s												0000 RTLT 26h 18m 2s															
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 @ 2136 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:	MAY 13														MAY 14													

ISSUE DATE: 04/25/11 22:19



ISSUE DATE: 04/25/11 22:19



ISSUE DATE: 04/25/11 22:19

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 MAY 16, 2011 136-137																											
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: 32h 13m 32s CCSL: A079 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 32h 13m 34s</p> </div>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE																											
32 DSN COVERAGE	<div style="text-align: center;"> <p>1425 ————— 34 [D] ————— 1825</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 26h 17m 54s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 26h 17m 54s</p> </div>																										
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:	MAY 16													MAY 17													