

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: April 23, 2014

For the Period: 04/24/14 to 05/12/21 (14-114 – 14-132)

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

**OTHER**

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

**SCIENCE**

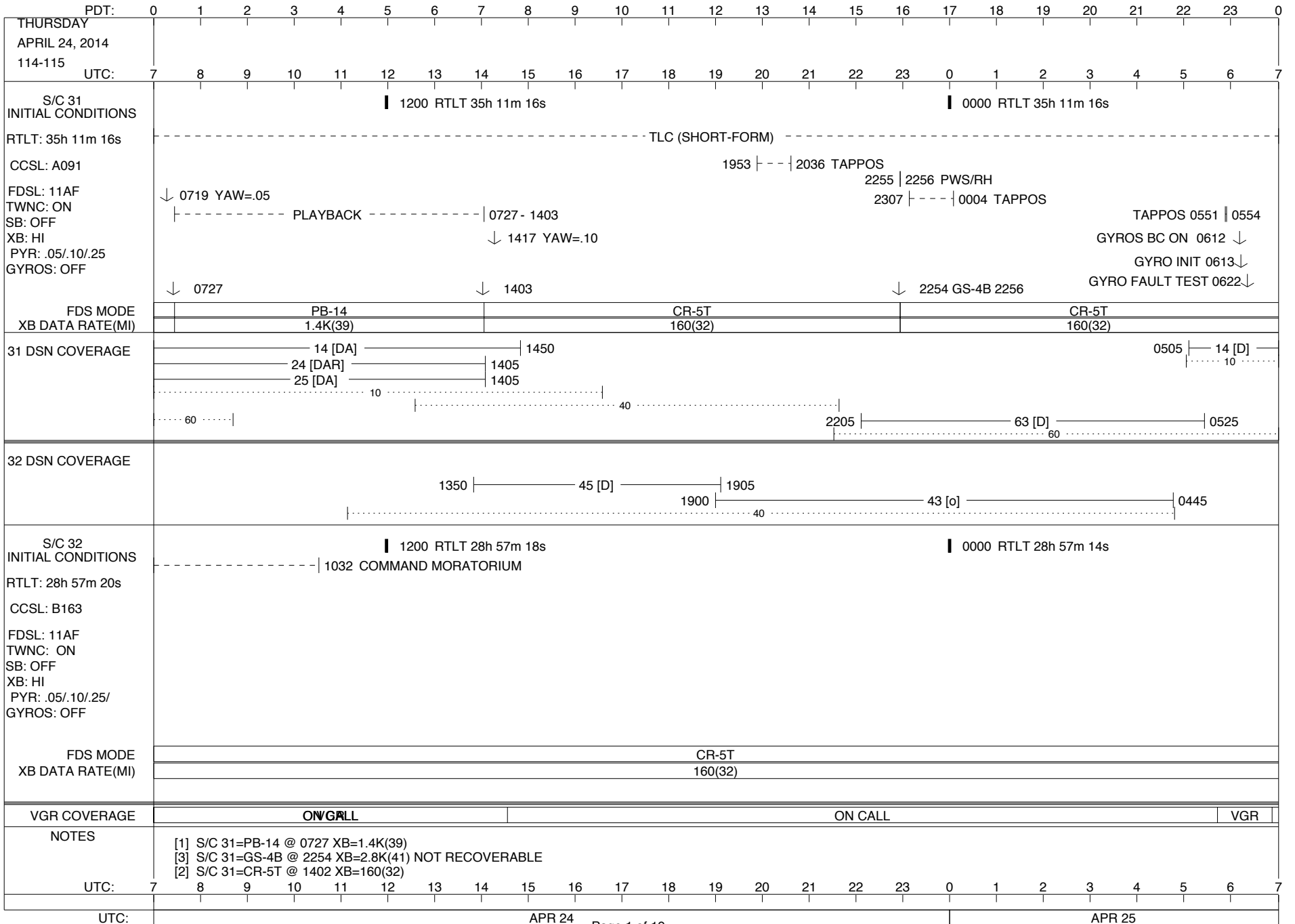
CRS \*bryant@mail630.gsfc.nasa.gov  
 LECP \*r.decker@jhuapl.edu  
 UVS \*holburg@argus.lpl.arizona.edu  
 MAG \*u2mha@lepvox.gsfc.nasa.gov  
 PLS \*vgr@space.mit.edu  
 PWS \*wsk@space.physics.uiowa.edu  
 \*Leonard.F.Burlaga@nasa.gov  
 \*Donald-Gurnett@uiowa.edu

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

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

**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 = 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

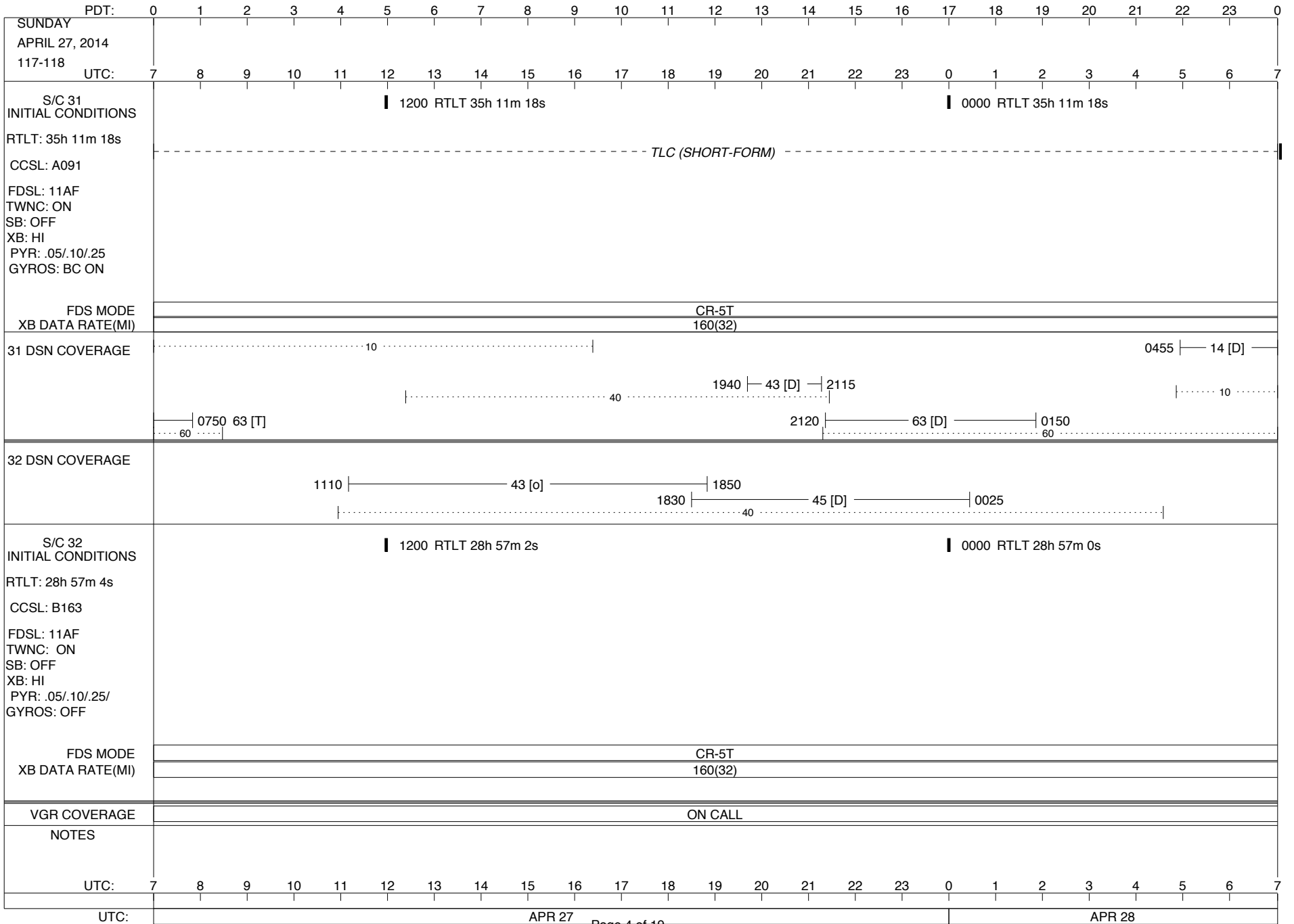


PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	
FRIDAY APRIL 25, 2014 115-116	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 35h 11m 16s CCSL: A091 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 35h 11m 16s												0000 RTLT 35h 11m 16s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	14 [D] 1535												15 [DAR] 0645 25 [DA] 0645 10													
	60												2350 - 0635 65 [DA] 2350 - 0635 55 [DAR] 60													
32 DSN COVERAGE	1120 43 [o] 1900												1840 45 [D] 0045 0305 43 [D] 0440													
S/C 32 INITIAL CONDITIONS RTLTL: 28h 57m 14s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 57m 12s												0000 RTLT 28h 57m 10s													
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 25													APR 26												

ISSUE DATE: 04/28/14 21:08

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 26, 2014 116-117	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: 35h 11m 16s CCSL: A091 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 35h 11m 18s												0000 RTLT 35h 11m 18s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	15 [DAR] ————   1115 25 [DA] — 0850 0850 — 26 [DA] ————   1115 10 1450   14 [D]   1600 40 2140  ————— 63 [T] ———— 60 60												10												
32 DSN COVERAGE	1500  ————— 34 [o] ————   1855 1835  ————— 43 [D] ————   0435 40																								
S/C 32 INITIAL CONDITIONS RTLT: 28h 57m 10s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 57m 8s												0000 RTLT 28h 57m 4s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0154 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 26												APR 27												

ISSUE DATE: 04/28/14 21:08



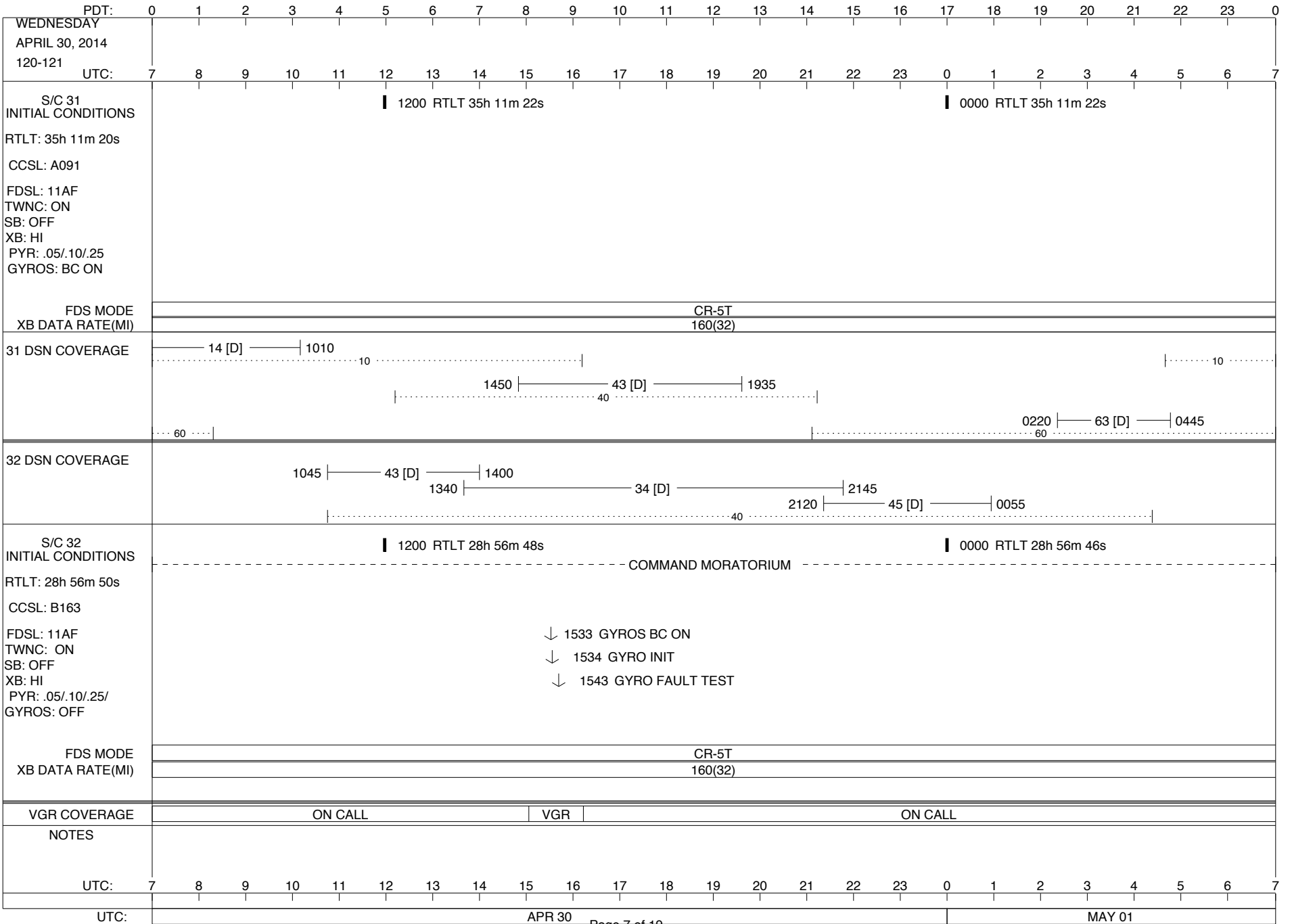
ISSUE DATE: 04/28/14 21:08

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 28, 2014 118-119	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: 35h 11m 18s CCSL: A091 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 35h 11m 18s												0000 RTLT 35h 11m 20s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	14 [D]   1230 1210   24 [DA]   1420 1210   25 [DAR]   1420 10   .....   40												14 [D] 0630   ..... 10 .....												
32 DSN COVERAGE	1110   43 [B]   1705 1645   45 [D]   2245 ..... 40 .....												2325 - 0645   63 [D]   ..... 60 .....												
S/C 32 INITIAL CONDITIONS RTLT: 28h 57m 0s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 56m 58s												0000 RTLT 28h 56m 56s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL						VGR			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:	APR 28												APR 29												

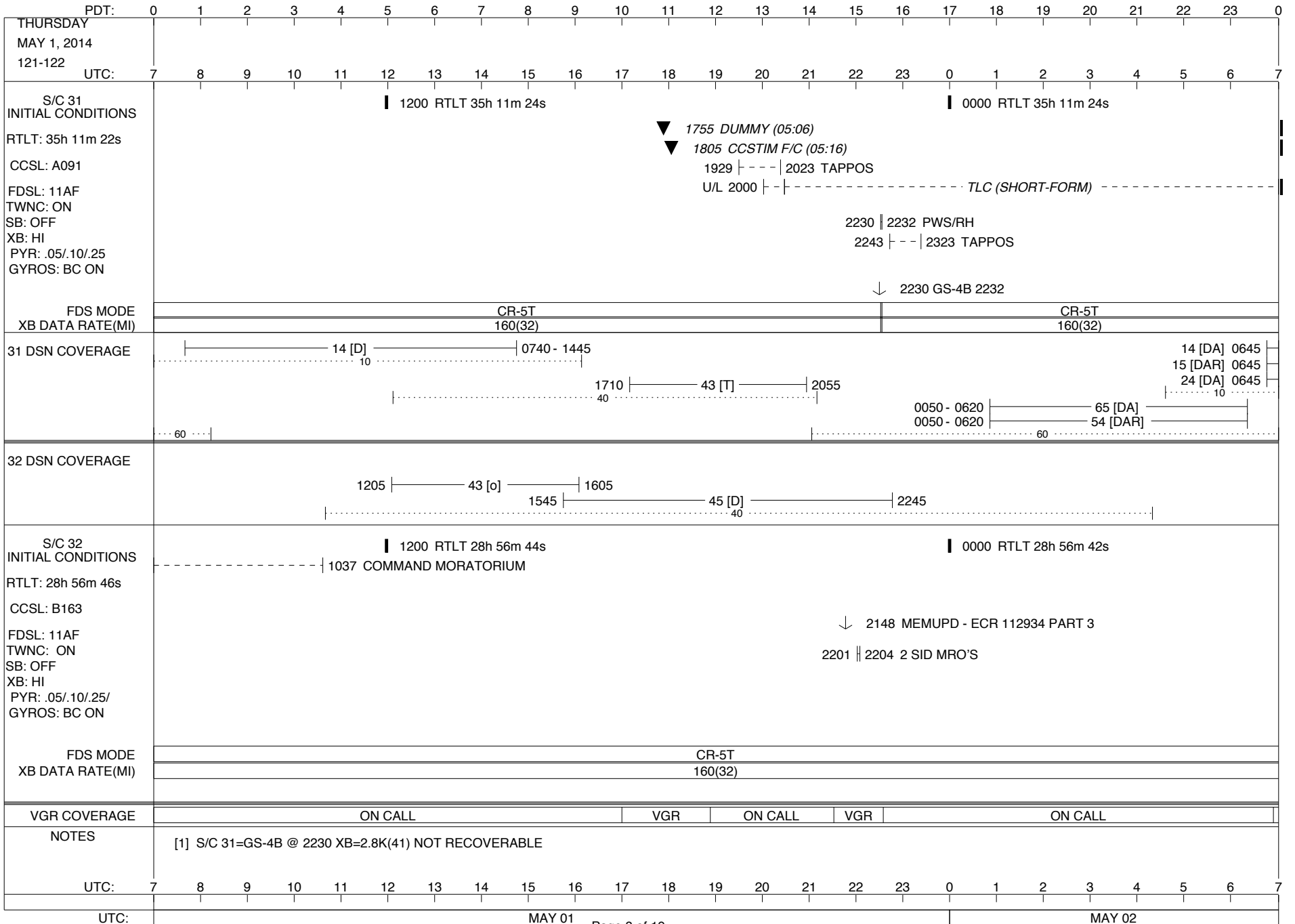
ISSUE DATE: 04/28/14 21:08

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																													
APRIL 29, 2014																													
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		1200 RTLT 35h 11m 20s														0000 RTLT 35h 11m 20s													
RTLT: 35h 11m 20s		↓ 0728 ALL DB=.05																											
CCSL: A091		↓ 0744 AAI																											
FDSL: 11AF		0745   -   0822 ASCAL																											
TWNC: ON		↓ 0819 RAI																											
SB: OFF		↓ 0822 CRU																											
XB: HI		↓ 0831 ROLL=.25																											
PYR: .05/.10/.25		↓ 0832 GYRO FAULT TEST																											
GYROS: BC ON		1618   1619 PWS/RH																											
FDS MODE		↓ 0713 ↓ 0825														↓ 1617 GS-4B 1618													
XB DATA RATE(MI)		EL-40 40(30)							CR-5T 160(32)							CR-5T 160(32)													
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS		1200 RTLT 28h 56m 54s														0000 RTLT 28h 56m 50s													
RTLT: 28h 56m 56s		1106   ----- COMMAND MORATORIUM -----																											
CCSL: B163																													
FDSL: 11AF		1719   PLSCAL -   1901																											
TWNC: ON		1719   - - - MAGCAL - - -   2021																											
SB: OFF		1719   - - - - PESCAL - - - -   2039																											
XB: HI																													
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/SNR VARIATIONS EXPECTED DURING ASCAL (0745-0822)														[3] S/C 31=CR-5T @ 0825 XB=160(32)													
		[2] S/C 31=EL-40 @ 0713 XB=40(30)														[4] S/C 31=GS-4B @ 1617 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 29														APR 30													

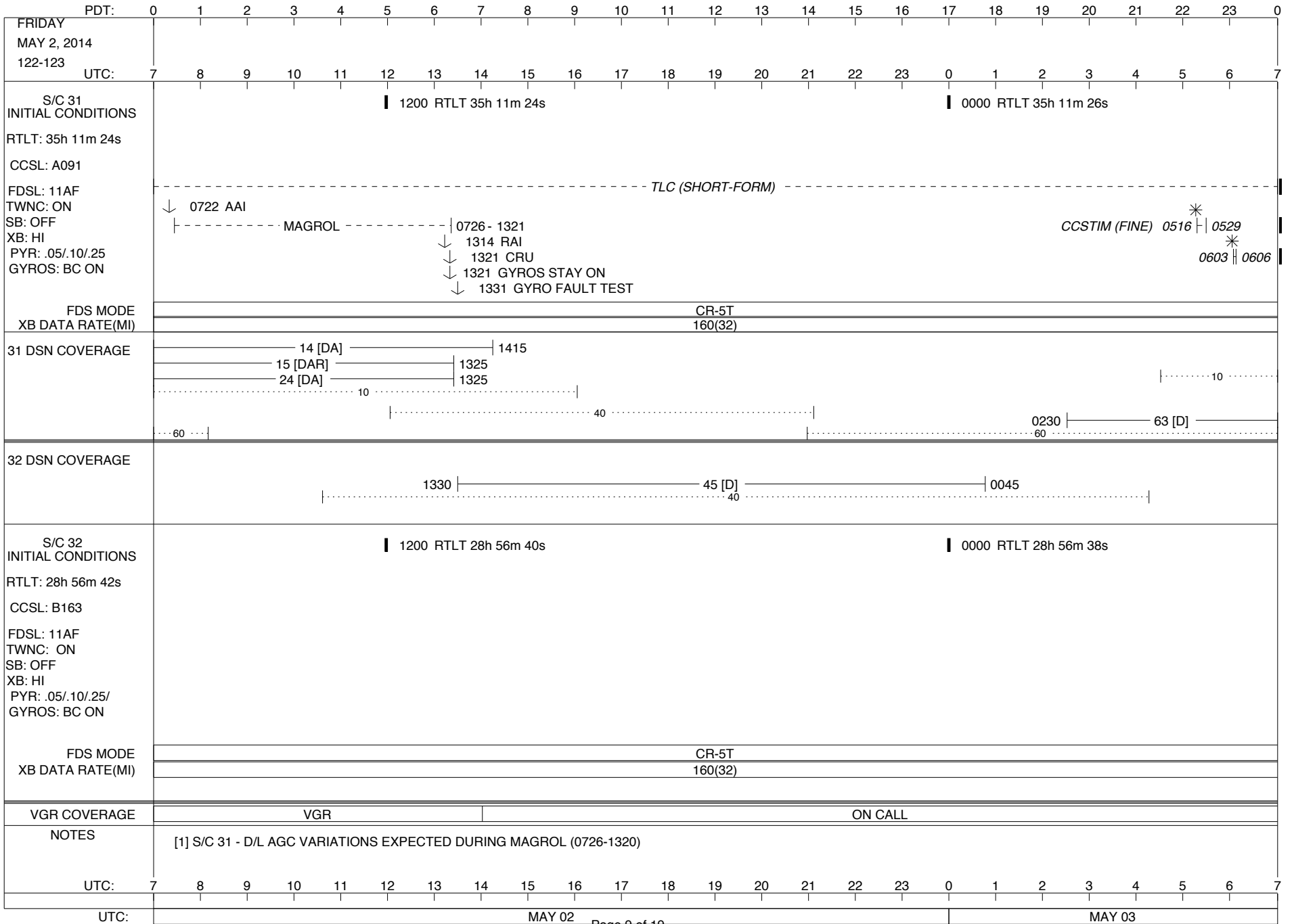
ISSUE DATE: 04/28/14 21:08



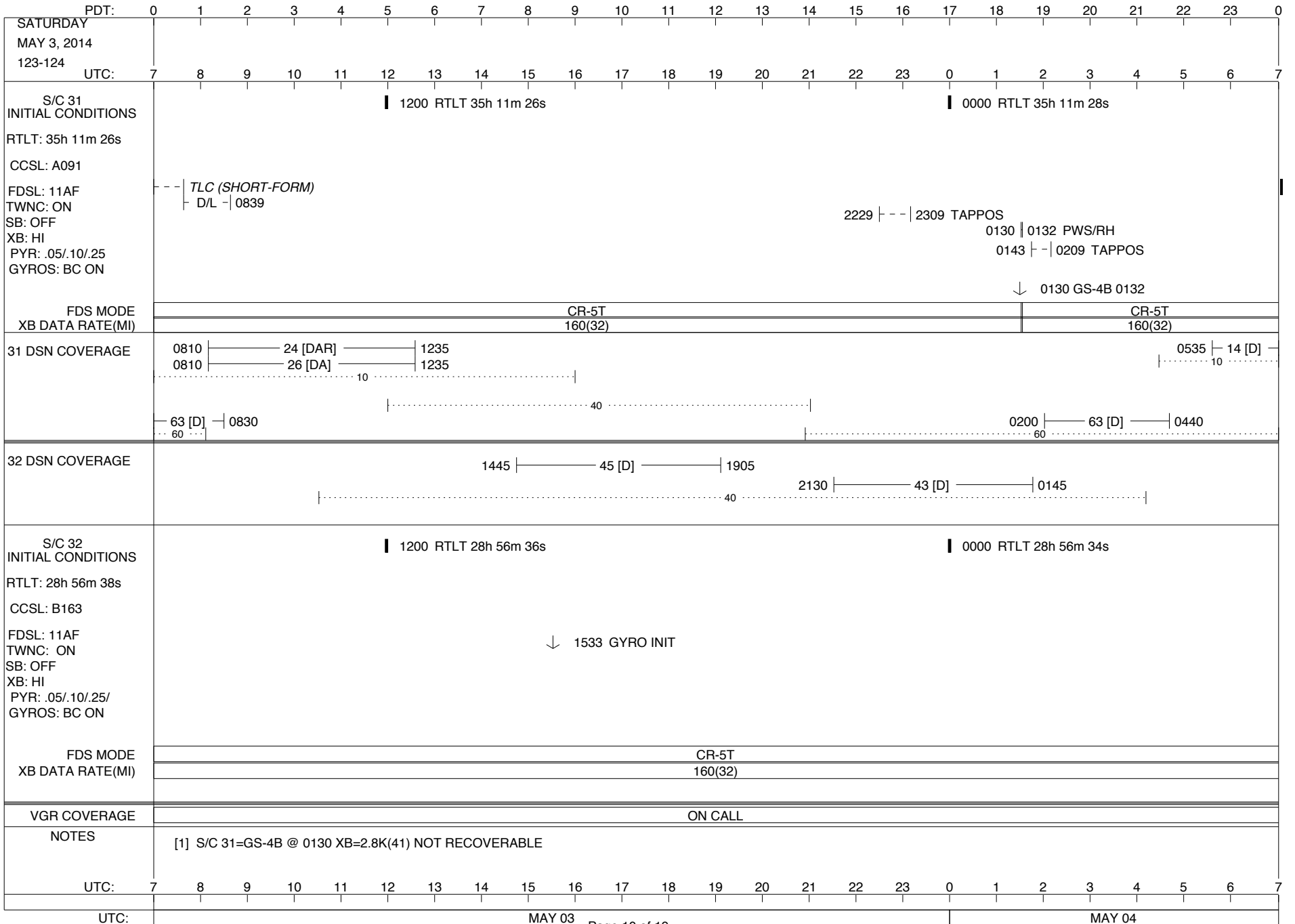


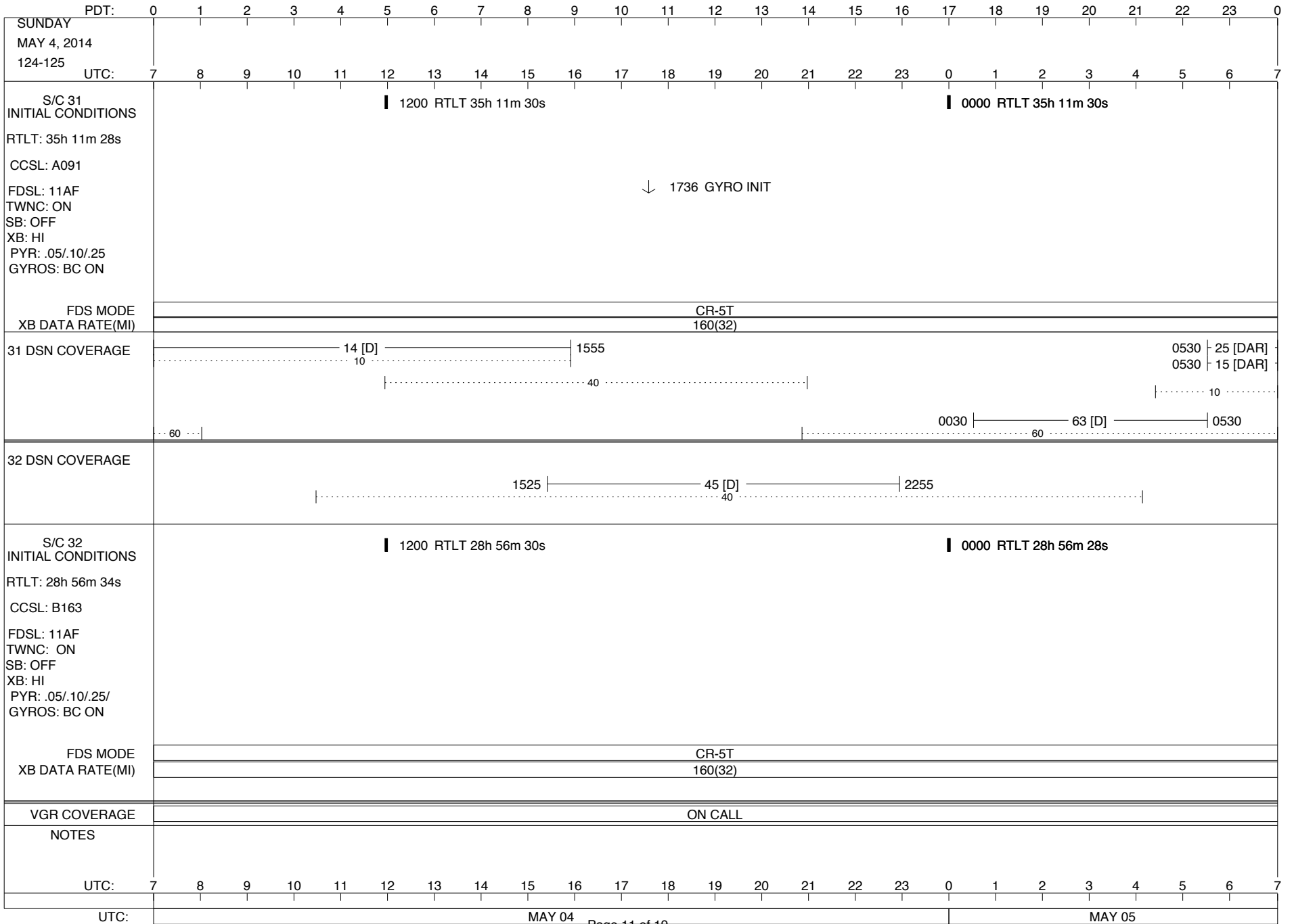


ISSUE DATE: 04/28/14 21:08



ISSUE DATE: 04/28/14 21:08

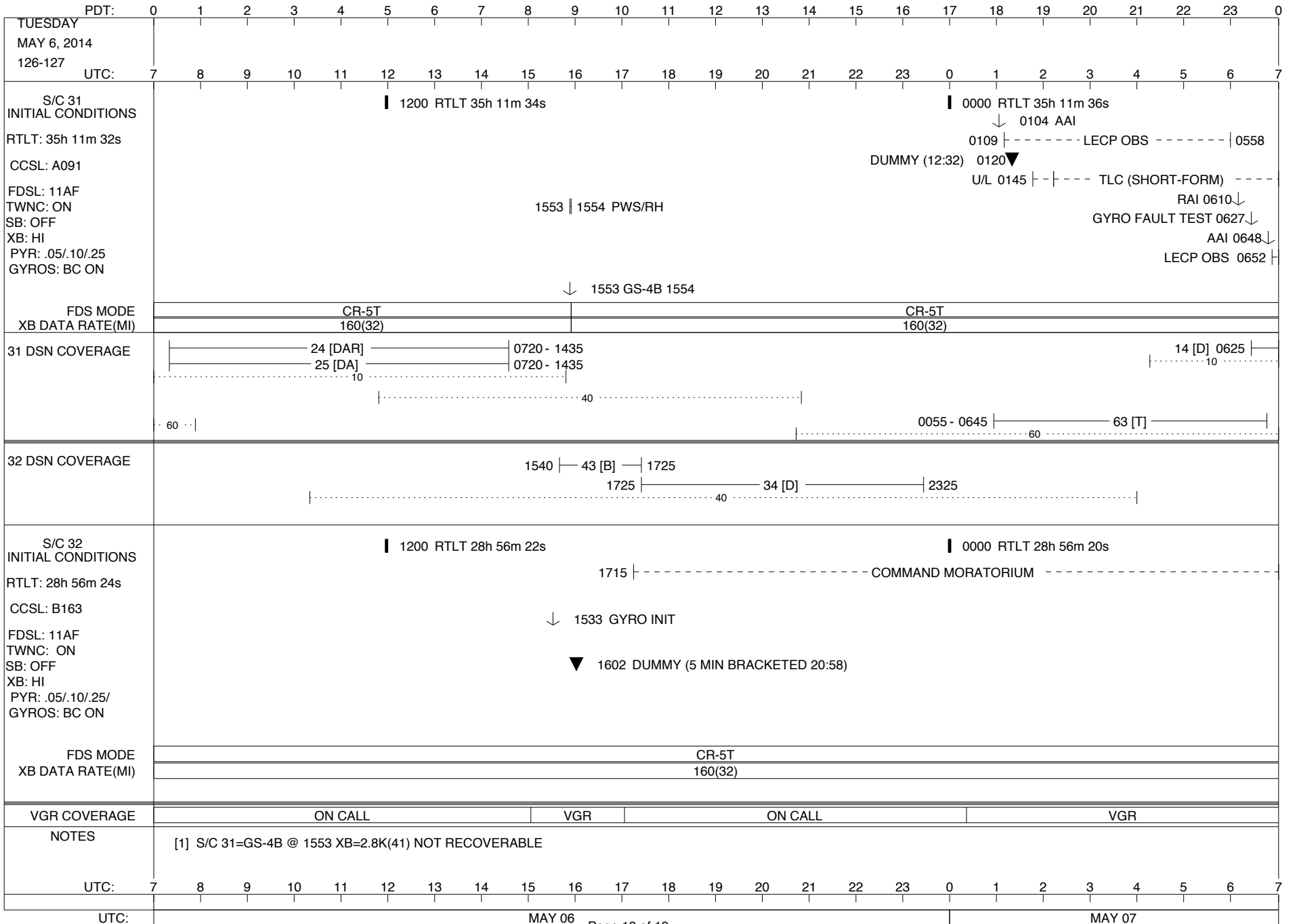




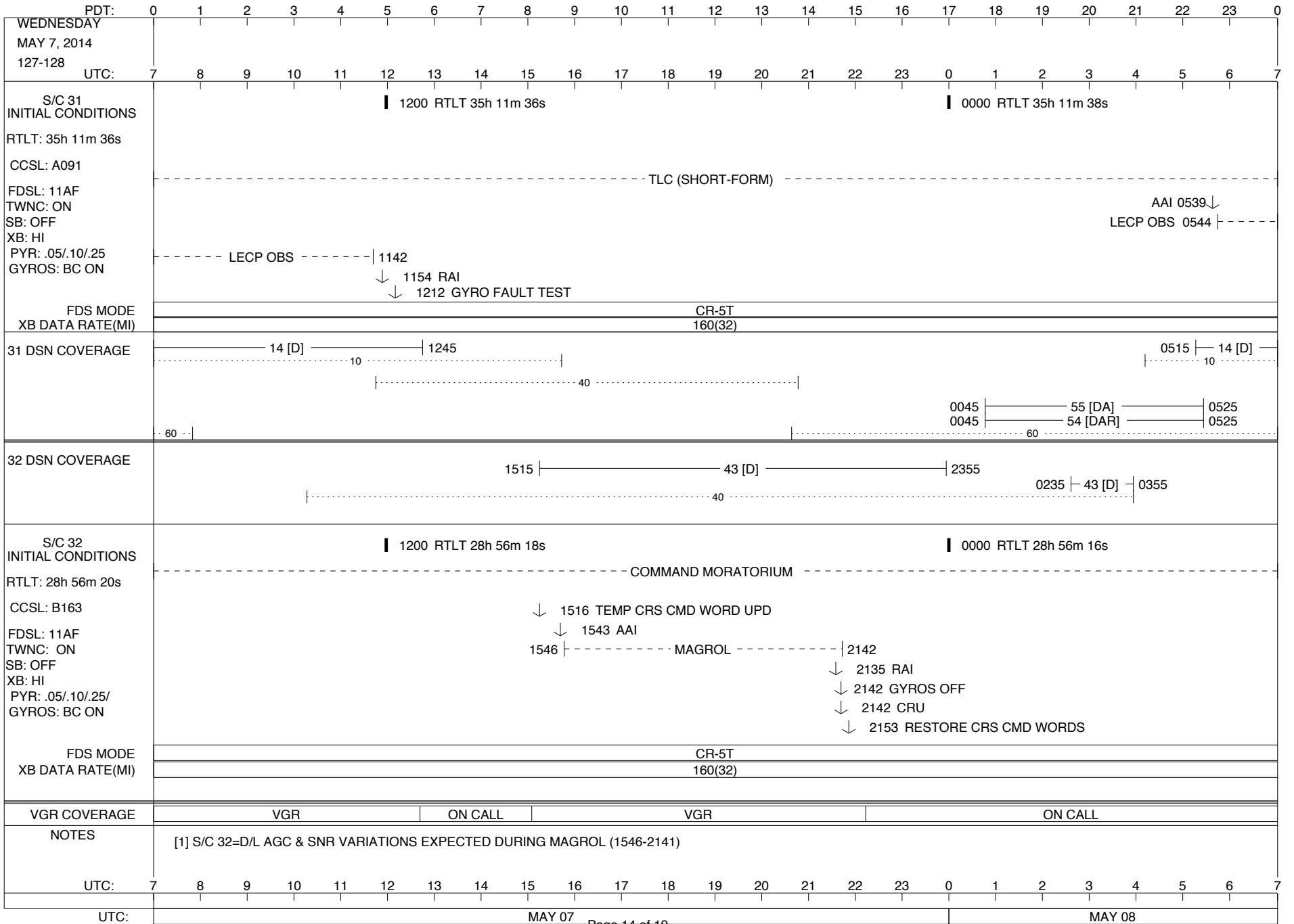
ISSUE DATE: 04/28/14 21:08

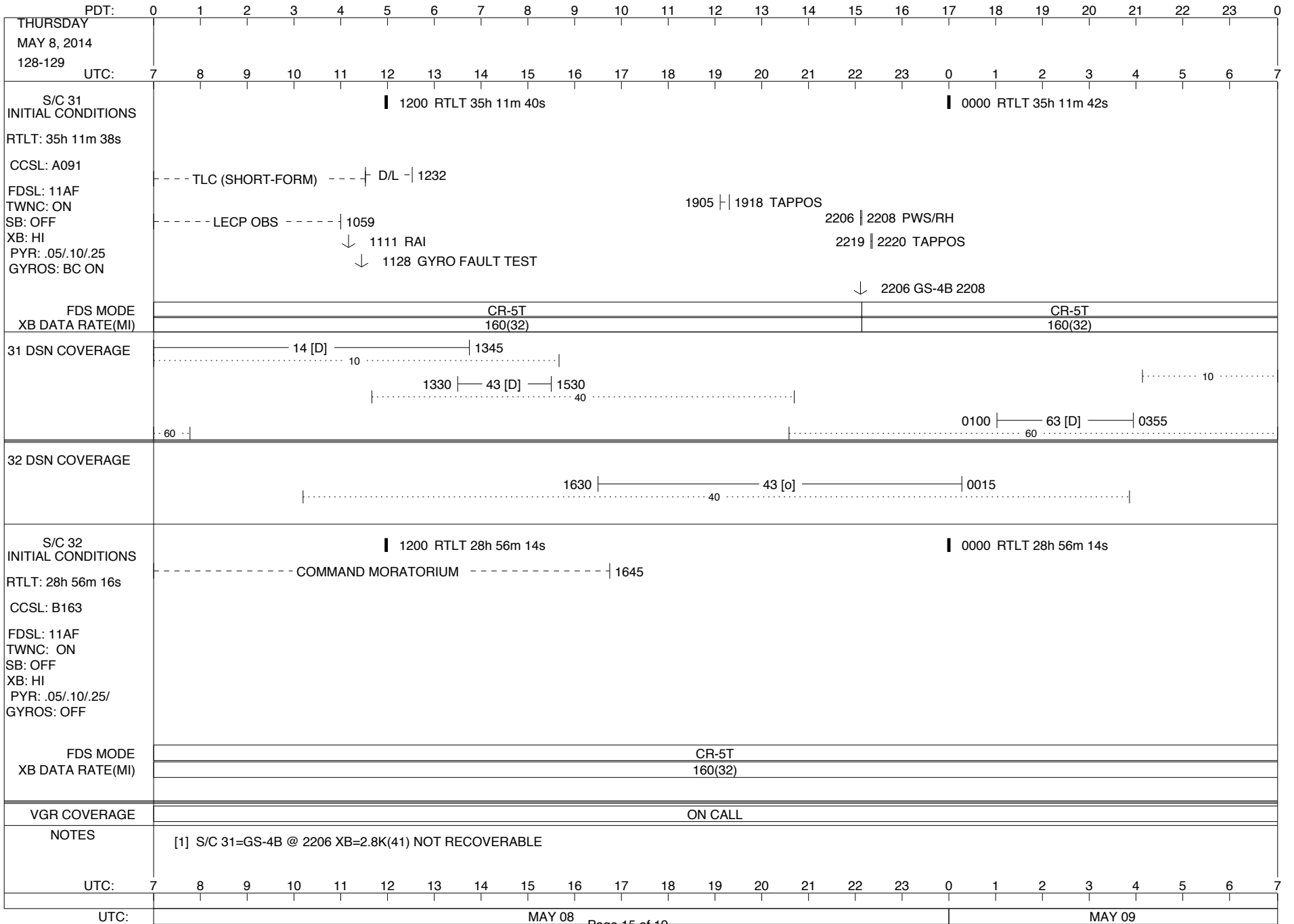
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
MONDAY MAY 5, 2014 125-126																												
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLT: 35h 11m 30s CCSL: A091 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON																												
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	25 [DAR] —————   1445 15 [DAR] —————   1205 1205 — 26 [DAR] ———   1445 10 .....   ..... 10 ..... ..... 40 .....   ..... 60 ..... ..60 ..																											
32 DSN COVERAGE													1445  ————— 45 [D] —————   2145 ..... 40 .....   .....															
S/C 32 INITIAL CONDITIONS RTLT: 28h 56m 28s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: BC ON																												
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 05														MAY 06													

ISSUE DATE: 04/28/14 21:08



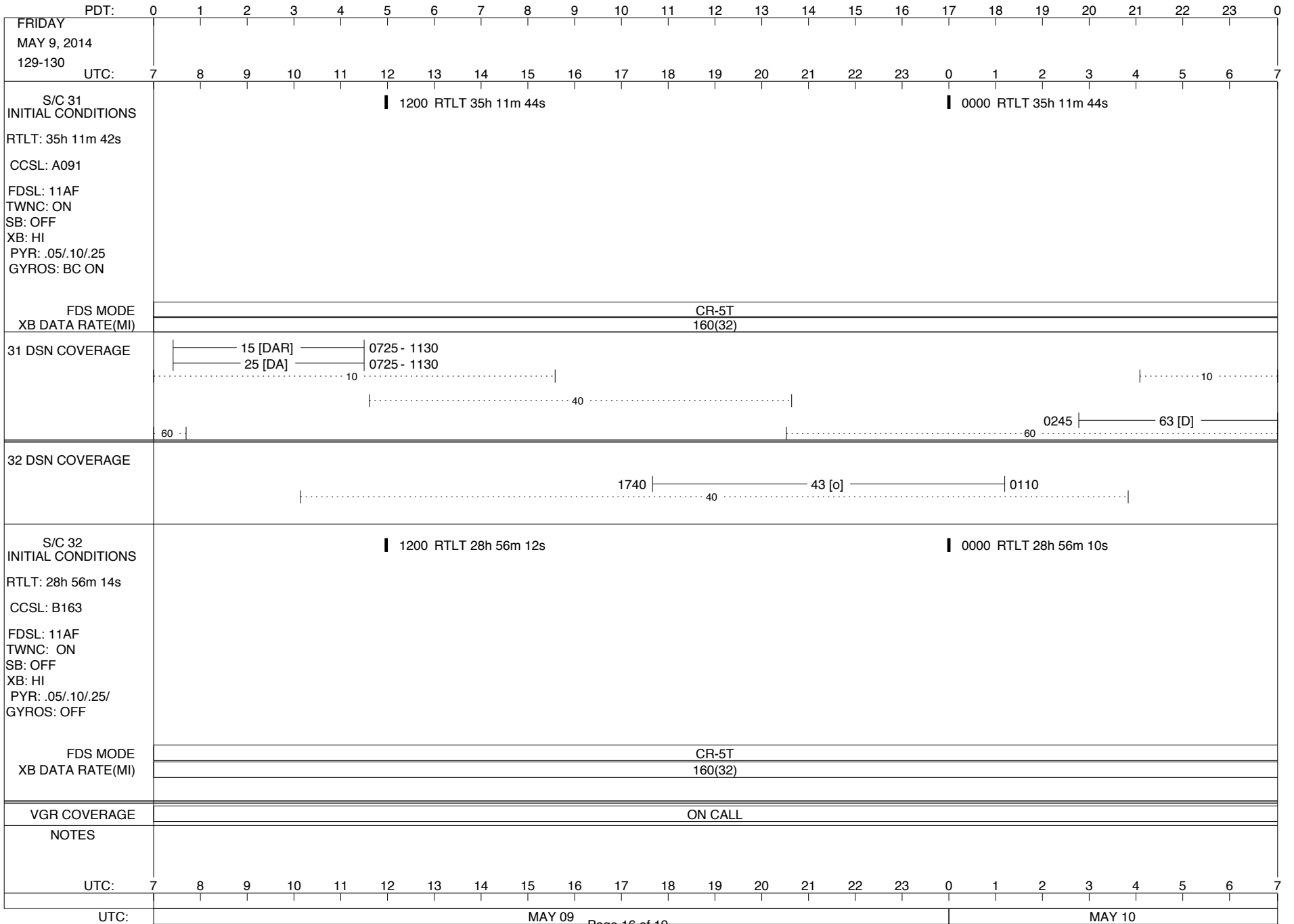
ISSUE DATE: 04/28/14 21:08







ISSUE DATE: 04/28/14 21:08





ISSUE DATE: 04/28/14 21:08

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 11, 2014 131-132	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: 35h 11m 48s CCSL: A091 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 35h 11m 50s												0000 RTLT 35h 11m 52s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	-----10-----												-----10-----												
	-----40-----												-----40-----												
	63 [D]   0800 60						2025 - 0645						63 [D] 60												
32 DSN COVERAGE	-----1720-----												-----43 [D]-----  0340												
	-----40-----																								
S/C 32 INITIAL CONDITIONS RTLT: 28h 56m 6s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 56m 4s												0000 RTLT 28h 56m 2s												
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:	MAY 11												MAY 12												

ISSUE DATE: 04/28/14 21:08

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 12, 2014 132-133																											
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: 35h 11m 52s CCSL: A091 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	<div style="text-align: center;"> <p>1200 RTLT 35h 11m 54s</p> </div>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>.....  10 ..... </p> <p>.....  40 ..... </p> <p>60  </p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>1335  ----- 34 [D] -----  2145</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 28h 56m 2s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 28h 56m 0s</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 12													MAY 13													