

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: August 20, 2014

For the Period: 08/21/14 to 09/08/14 (14-233 – 14-251)

**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**

\* KMassey@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

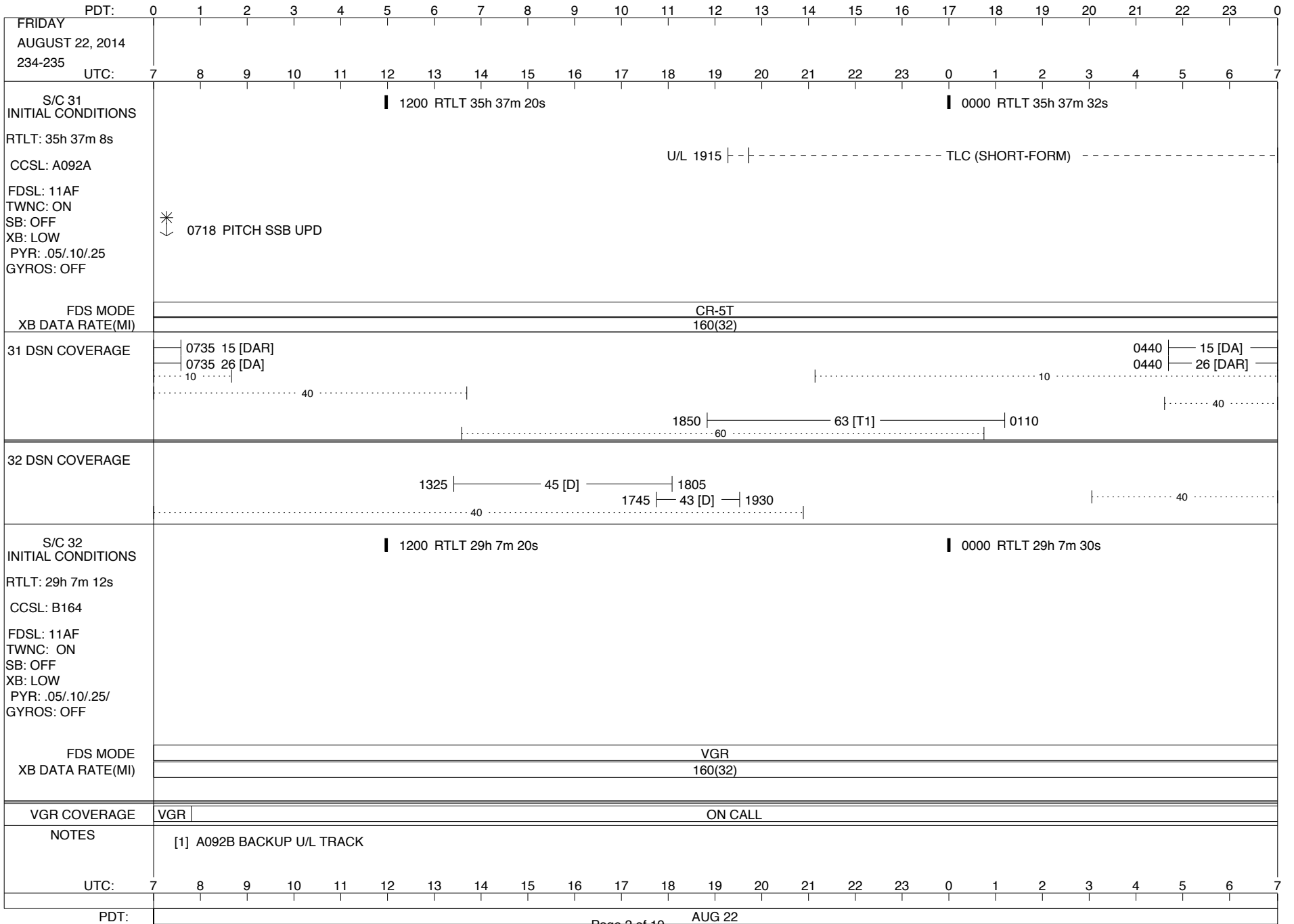
**LEGEND:**  
 ▽ = R/T Command (Last chance or Contingency)  
 ▼ = R/T Command (Scheduled)  
 \* = Result of R/T Command  
 n = (where n = 1,2,3 ..) Special Note, see bottom of page  
 A = Arrayed station  
 B = BLF  
 D = Downlink only pass  
 H = High Power Transmitter  
 R = Array Reference Antenna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

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

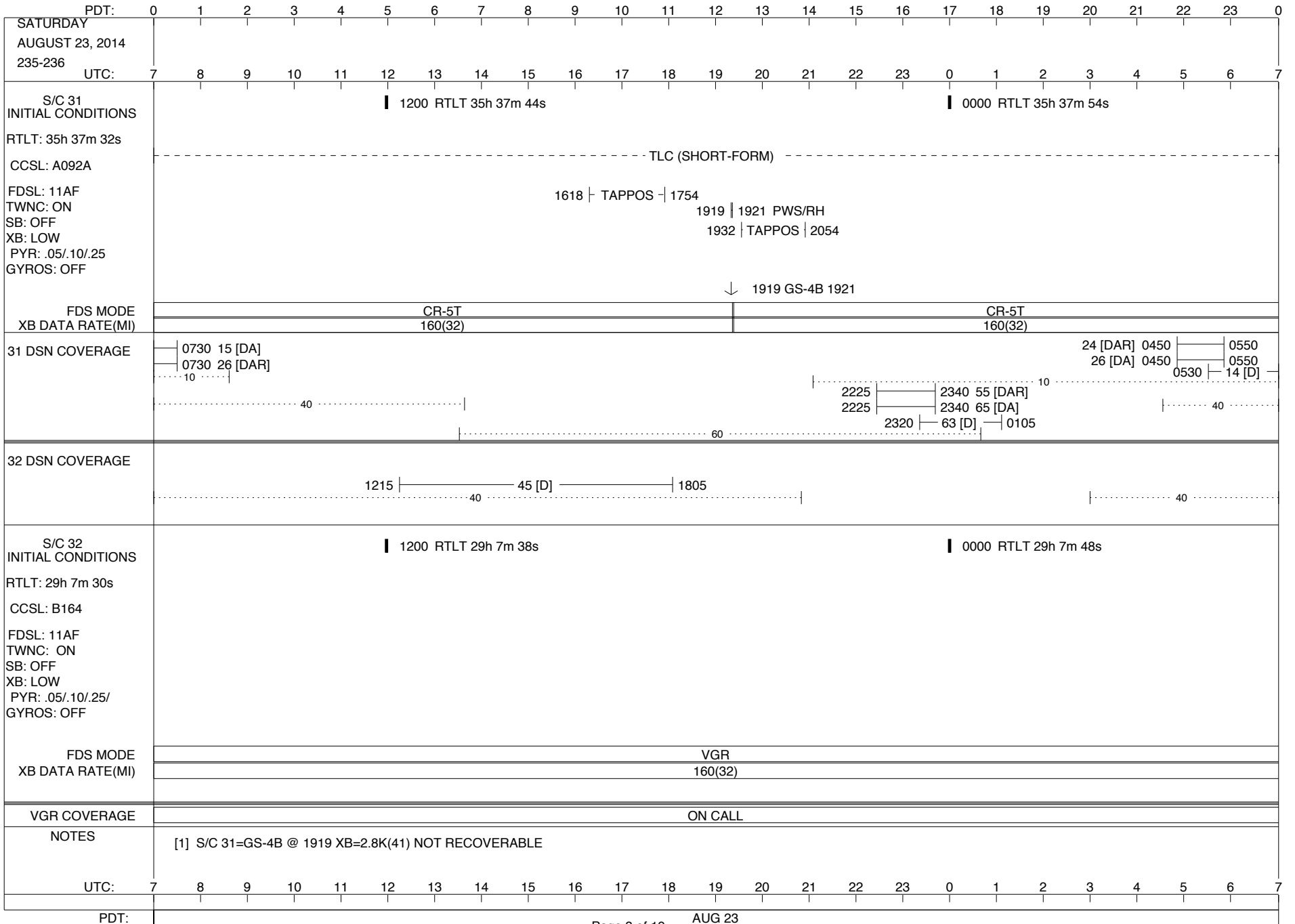
ISSUE DATE: 08/20/14 17:25

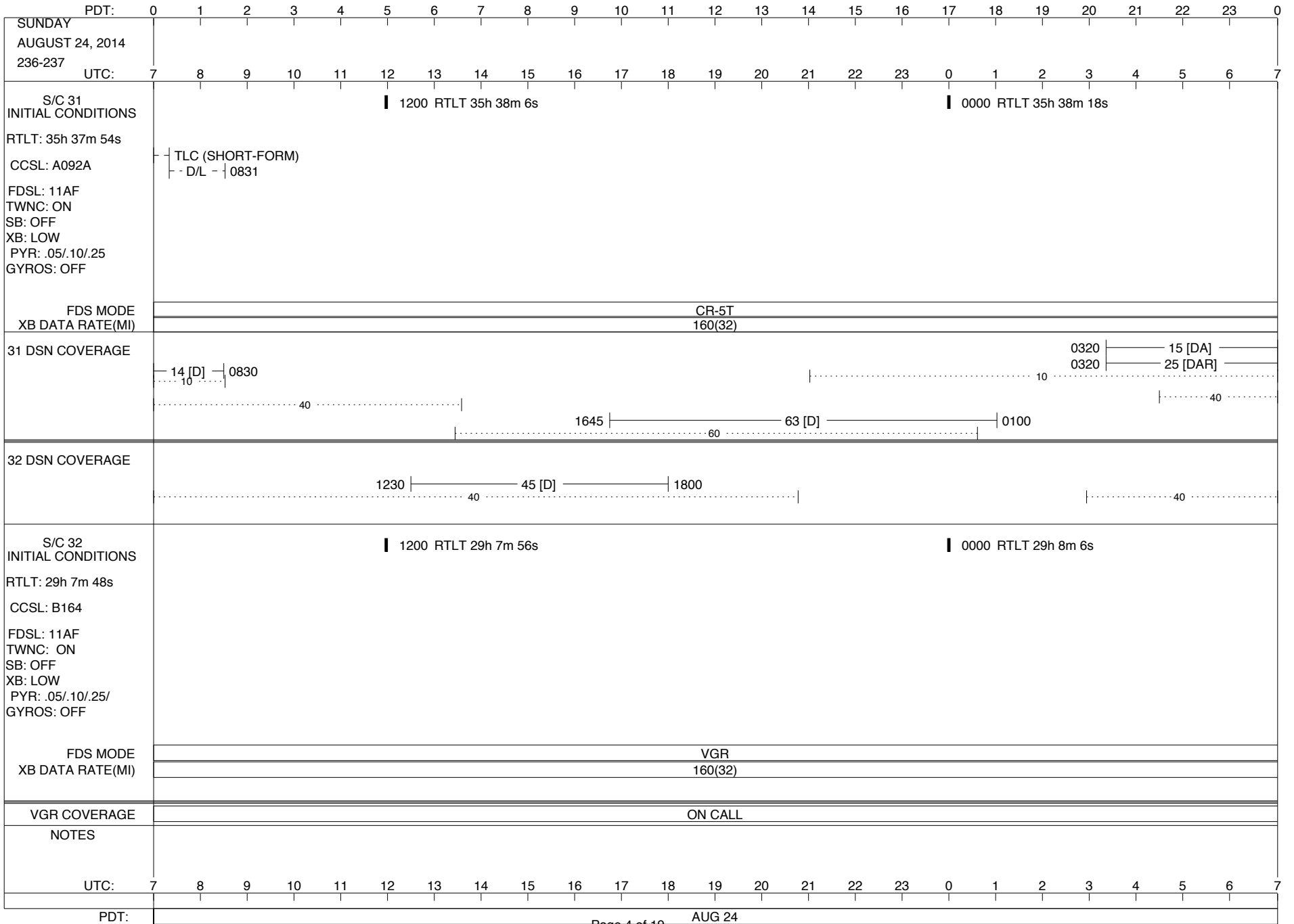
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	
THURSDAY AUGUST 21, 2014 233-234																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 35h 36m 46s CCSL: A092A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 36m 56s												0000 RTLT 35h 37m 8s													
FDS MODE	CR-5T												CR-5T												EL-40	
XB DATA RATE(MI)	160(32)												160(32)												40(30)	
31 DSN COVERAGE	0740 15 [DAR] 0740 26 [DA] 10												1930 63 [D] 60												0530 15 [DAR] 0530 26 [DA] 10	40
32 DSN COVERAGE	1335 45 [D] 40												1745 43 [D] 2055												1810	40
S/C 32 INITIAL CONDITIONS RTLTL: 29h 6m 54s CCSL: B164 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 29h 7m 4s												0000 RTLT 29h 7m 12s													
FDS MODE	VGR																									
XB DATA RATE(MI)	160(32)																									
VGR COVERAGE	ON CALL																							VGR		
NOTES	[1] S/C 31=GS-4B @ 1619 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=EL-40 @ 0542 XB=40(30) [3] S/C 31=CR-5T @ 0642 XB=160(32)																									
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	
PDT:																										

ISSUE DATE: 08/20/14 17:25

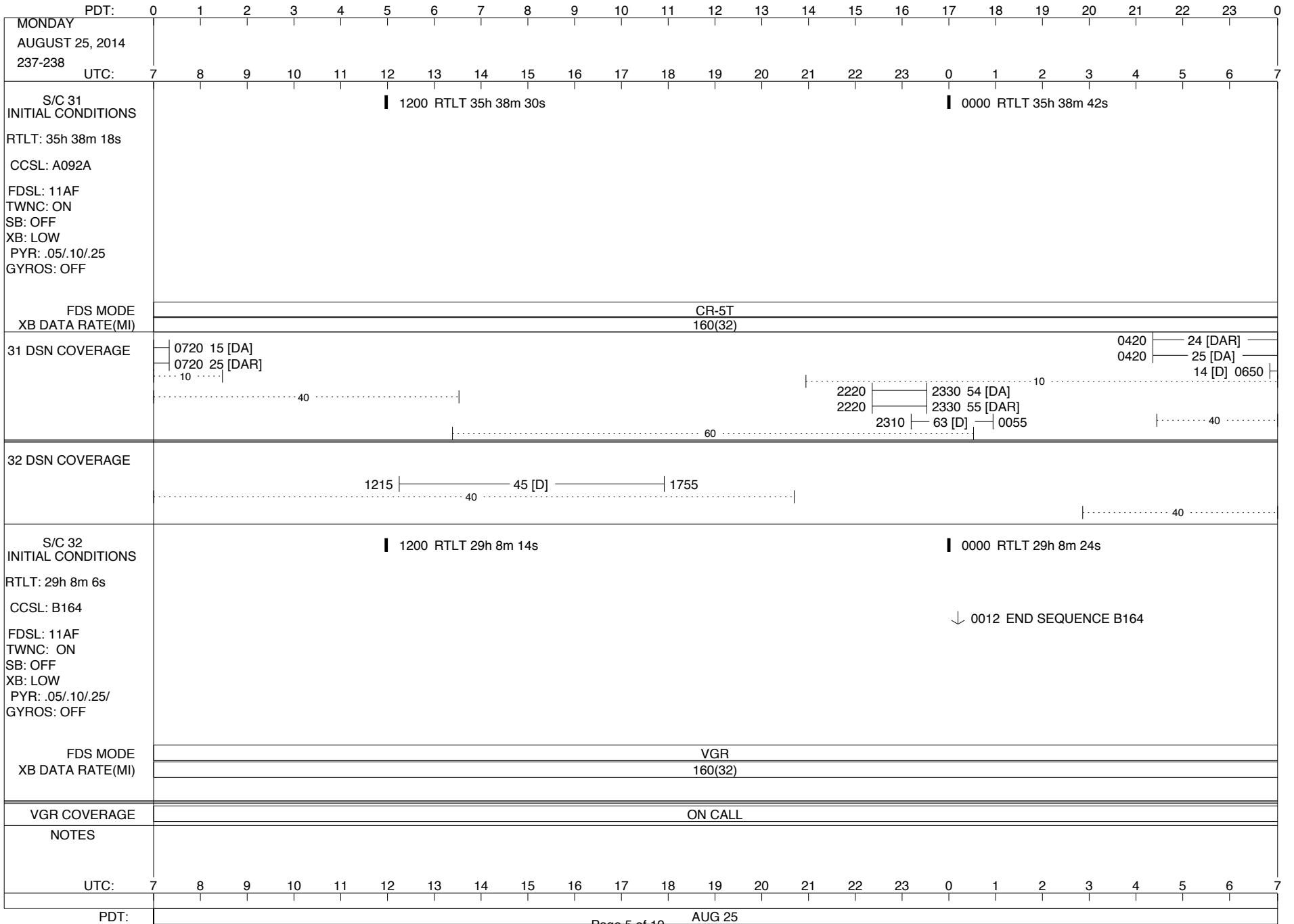


ISSUE DATE: 08/20/14 17:25



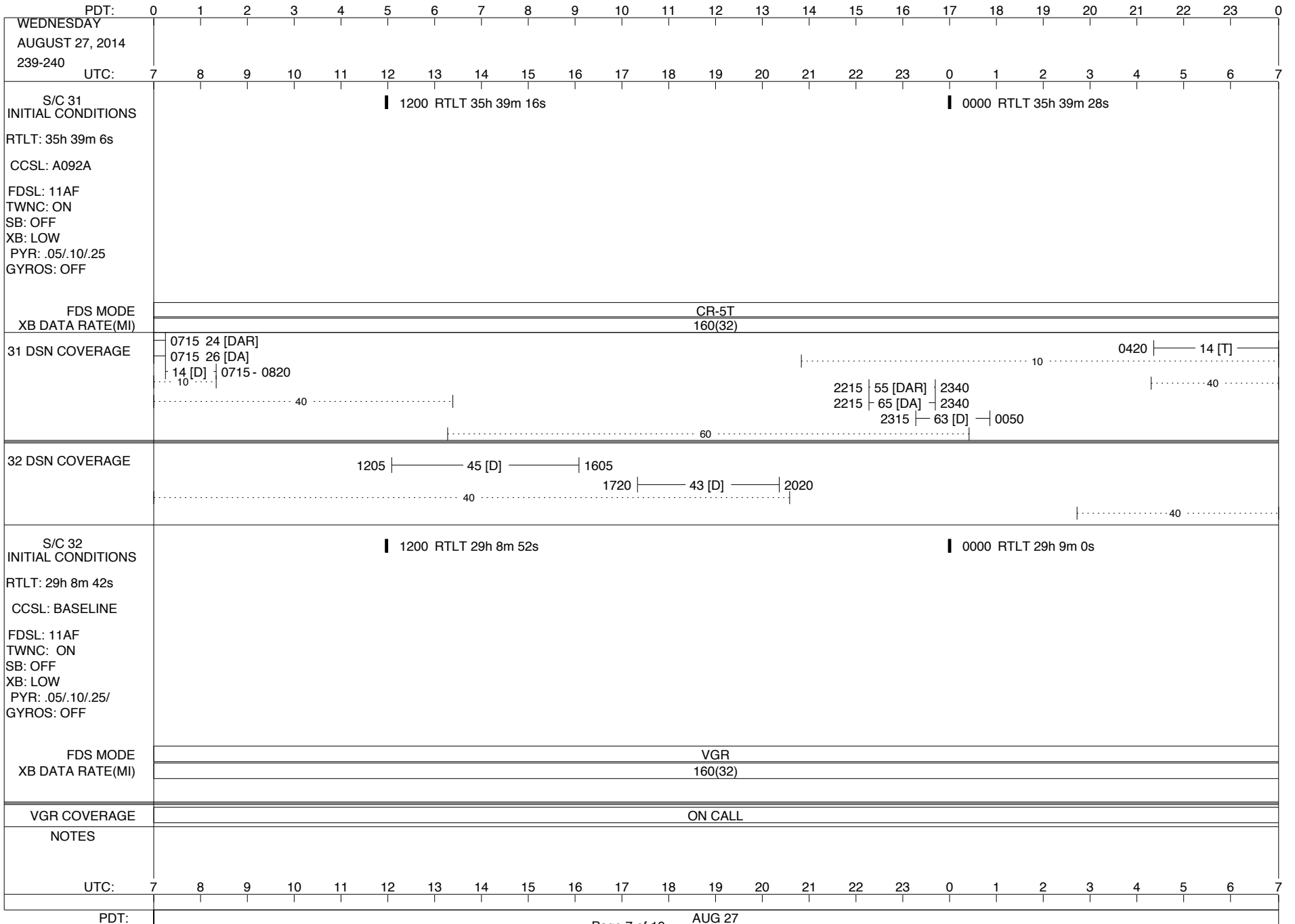


ISSUE DATE: 08/20/14 17:25



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 AUGUST 26, 2014 238-239																											
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 38m 42s CCSL: A092A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 38m 54s												0000 RTLT 35h 39m 6s														
	0943   0944 PWS/RH																										
	↓ 0943 GS-4B 0944																										
FDS MODE	CR-5T												CR-5T														
XB DATA RATE(MI)	160(32)												160(32)														
31 DSN COVERAGE	0720 24 [DAR] 0720 25 [DA] 14 [D] 0820										2230 2345 54 [DAR] 2230 2345 55 [DA] 2330 63 [D] 0055										0420 24 [DAR] 0420 26 [DA]						
32 DSN COVERAGE	1345 34 [o] 1705										1645 43 [D] 2035										40						
S/C 32 INITIAL CONDITIONS RTLT: 29h 8m 24s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 29h 8m 34s												0000 RTLT 29h 8m 42s														
FDS MODE													VGR														
XB DATA RATE(MI)													160(32)														
VGR COVERAGE													ON CALL														
NOTES	[1] S/C 31=GS-4B @ 0943 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		
PDT:																											

ISSUE DATE: 08/20/14 17:25

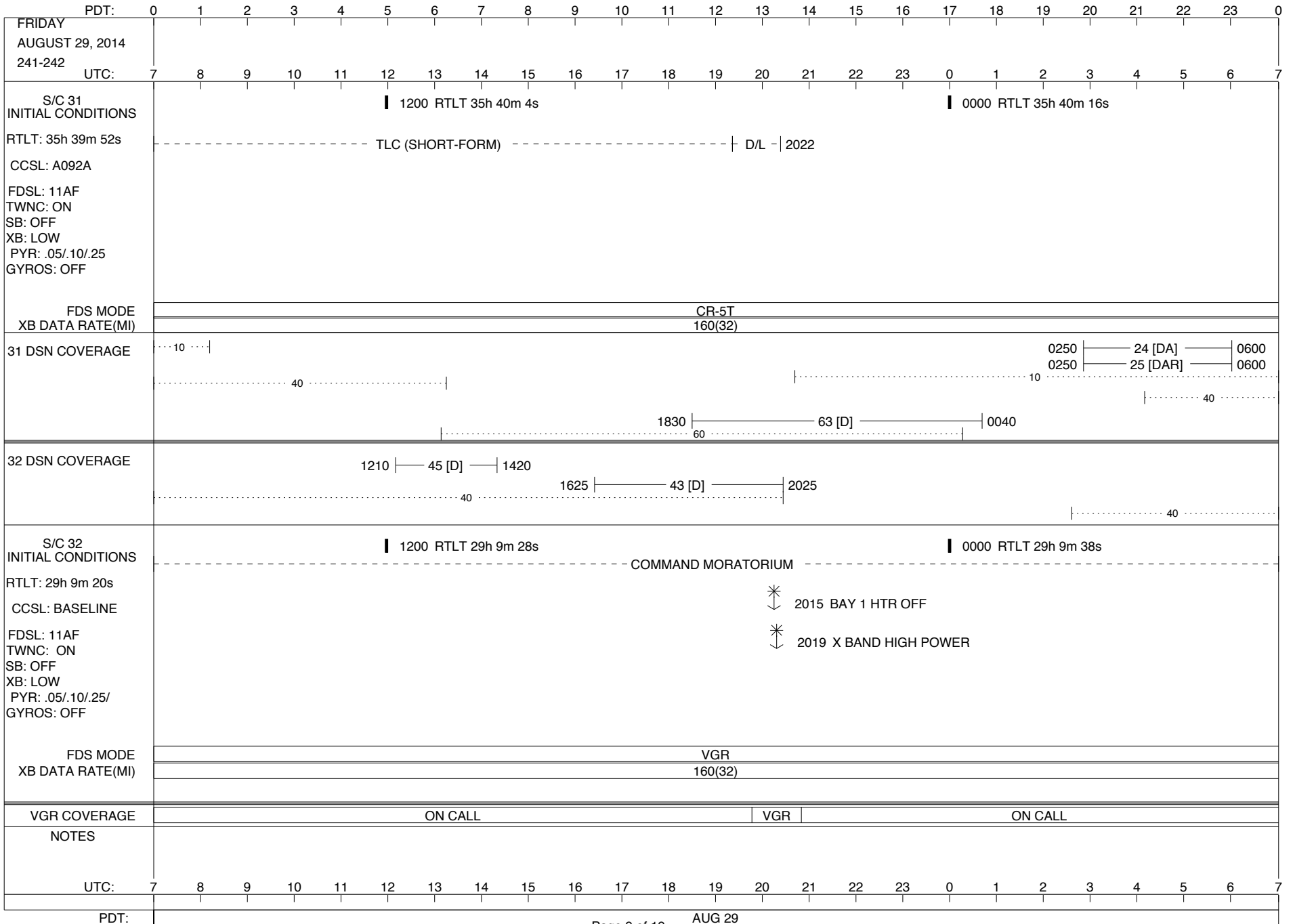


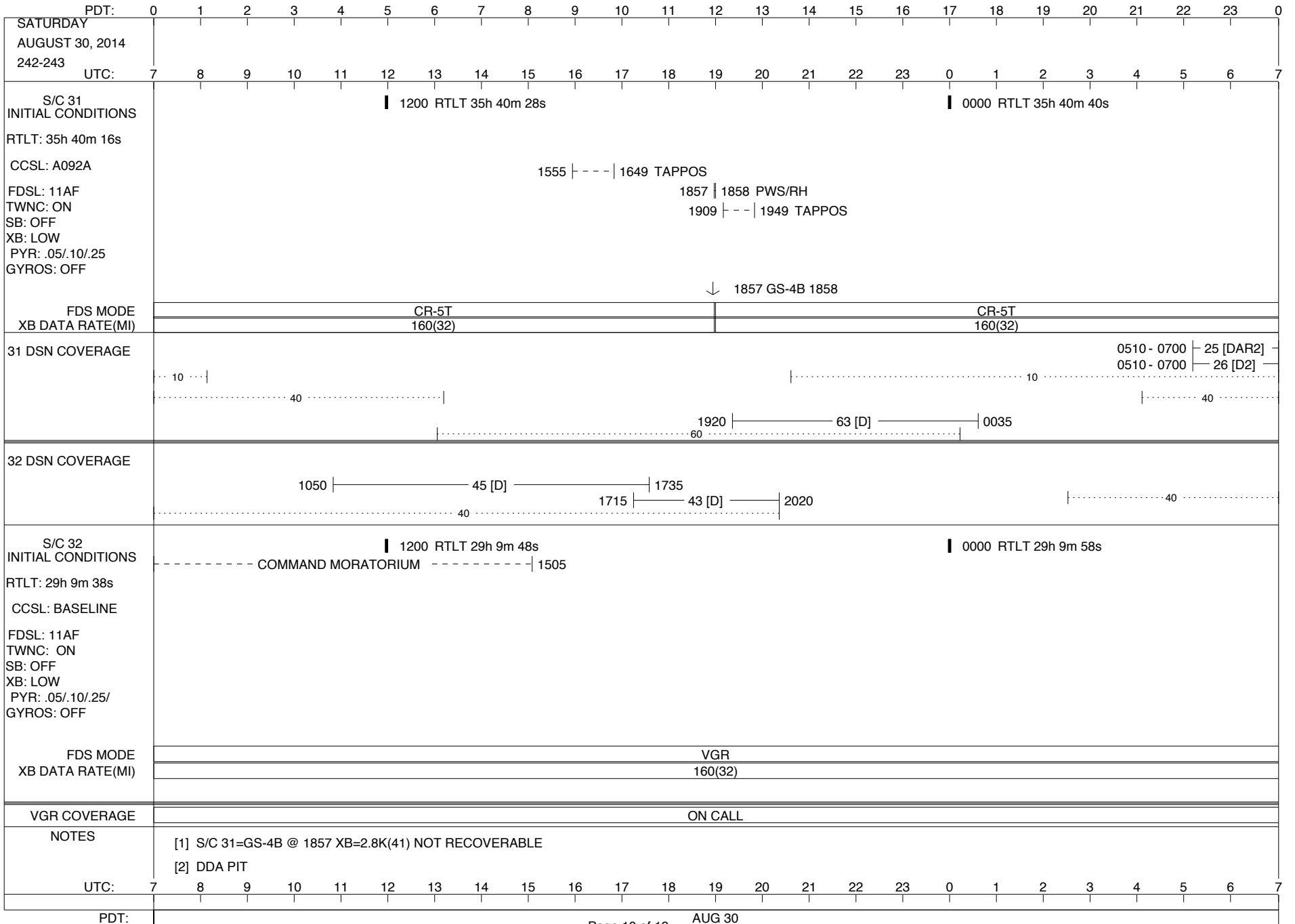


ISSUE DATE: 08/20/14 17:25

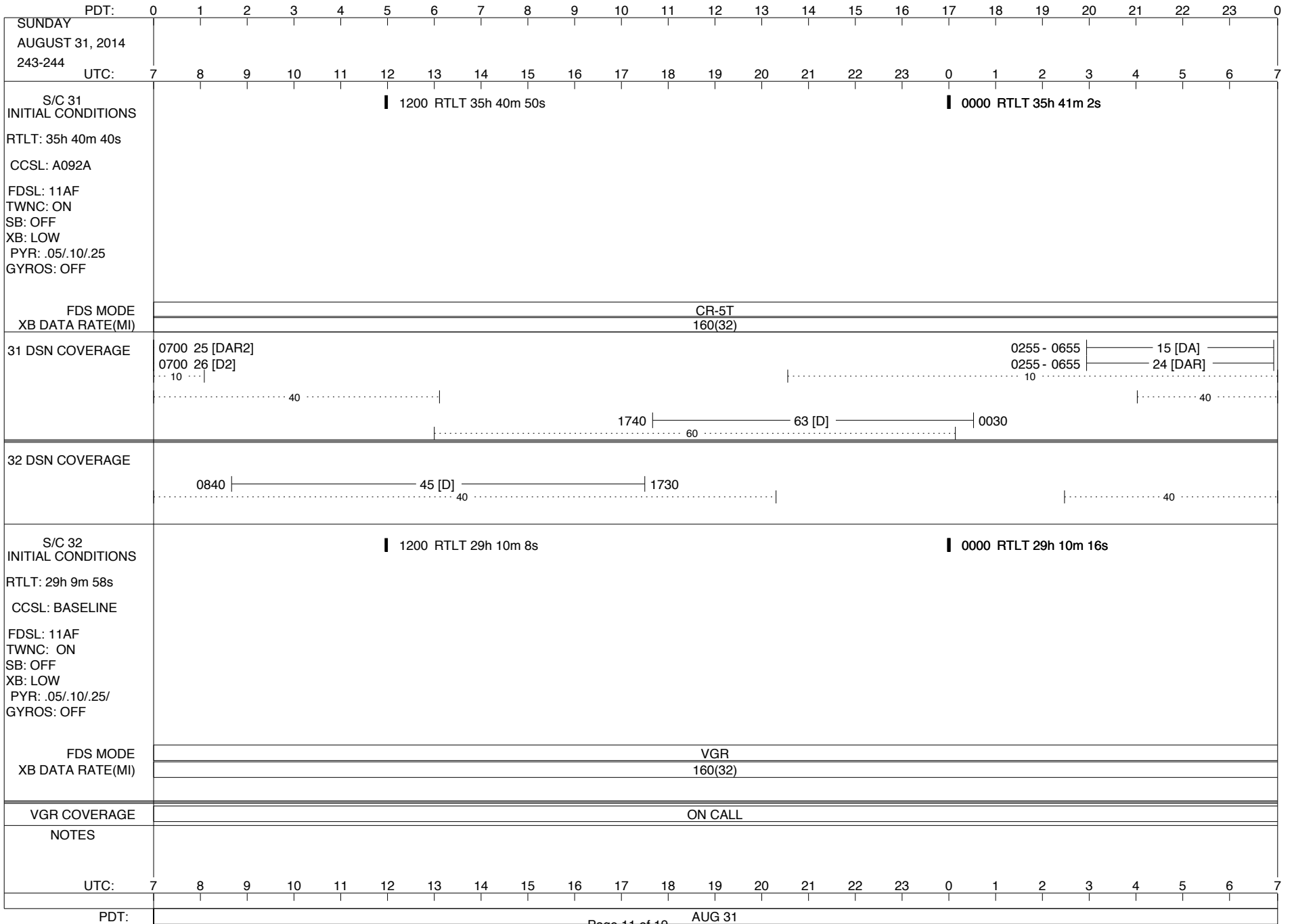
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
THURSDAY AUGUST 28, 2014 240-241																												
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLTL: 35h 39m 28s U/L   -   0715 - CCSL: A092A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 39m 40s												0000 RTLTL 35h 39m 52s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE	14 [T]   0805 ..... 10 .....												..... 10 .....															
	..... 40 .....												..... 40 .....															
	..... 60 .....												1950   63   0040															
32 DSN COVERAGE	1330   45 [D]   1505 1445   43 [H]   1955 ..... 40 .....												..... 40 .....															
S/C 32 INITIAL CONDITIONS RTLTL: 29h 9m 0s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 29h 9m 10s												0000 RTLTL 29h 9m 20s															
FDS MODE XB DATA RATE(MI)	VGR 160(32)												COMMAND MORATORIUM															
	▼ 1505 X BAND HIGH POWER (20:14)												▼ 1515 DUMMY (20:25)															
VGR COVERAGE	ON CALL				VGR				ON CALL				VGR				ON CALL											
NOTES	[1] S/C 31=GS-4B @ 1556 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			
PDT:	AUG 28																											

ISSUE DATE: 08/20/14 17:25





ISSUE DATE: 08/20/14 17:25

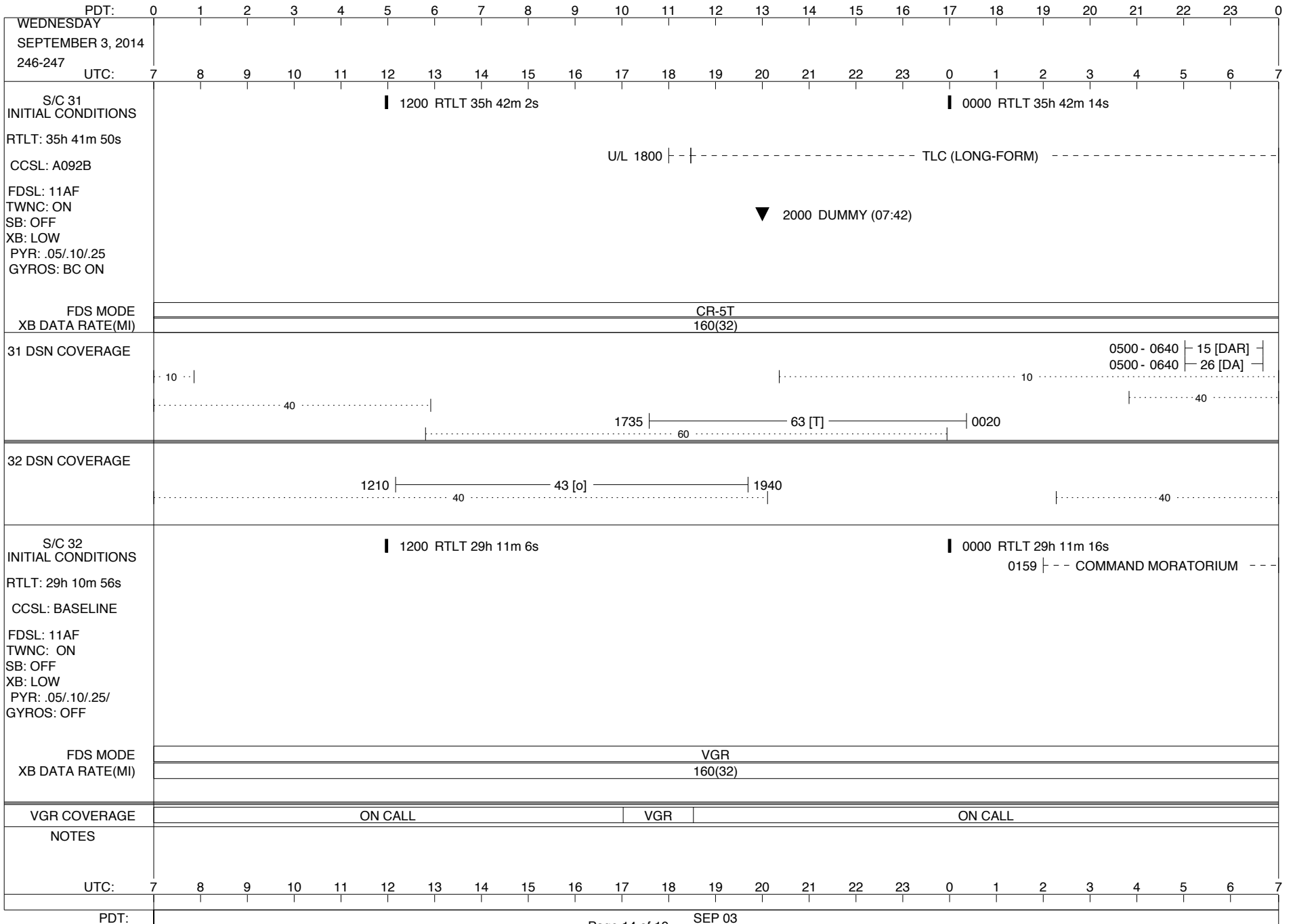


ISSUE DATE: 08/20/14 17:25

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 SEPTEMBER 1, 2014 244-245																									
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 41m 2s CCSL: A092A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200																			
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 29h 10m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█ 1200																			
FDS MODE XB DATA RATE(MI)																									
VGR COVERAGE																									
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
PDT:																									

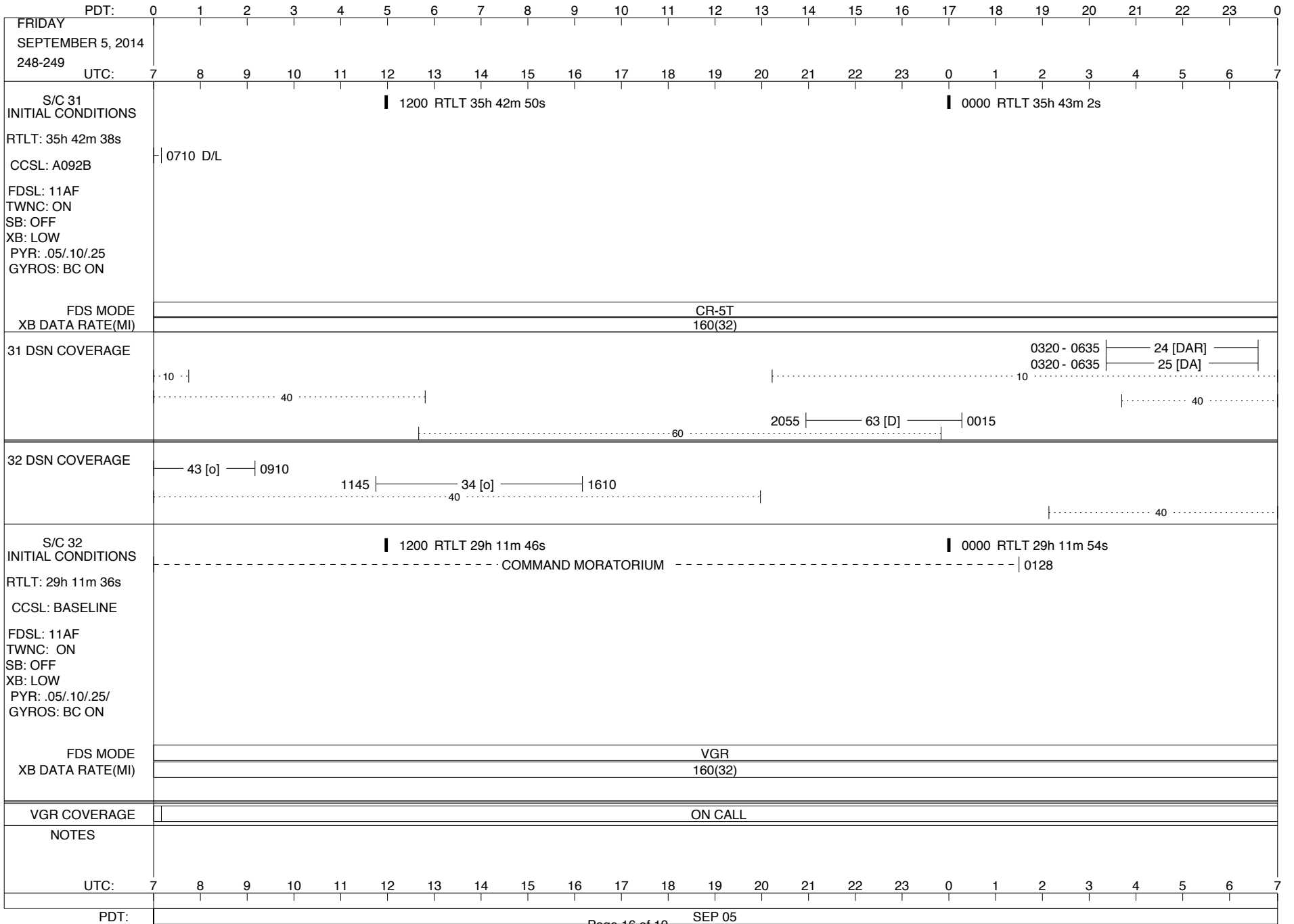
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
TUESDAY SEPTEMBER 2, 2014 245-246	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 35h 41m 26s CCSL: A092B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 41m 38s												0000 RTLT 35h 41m 50s												
0920   0921 PWS/RH													↓ 2146 GYROS BC ON ↓ 2147 GYRO INIT ↓ 2156 GYRO FAULT TEST												
↓ 0921 GS-4B 0921																									
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	10   ..... 40 .....   ..... 40 .....   1255  ----- 63 [D] -----  1505 ..... 60 .....												0330 - 0640  ----- 24 [DAR] -----  0330 - 0640  ----- 25 [DA] -----  ..... 10 .....   2125  ----- 55 [DA] -----  2315 2125  ----- 65 [DAR] -----  2315 ..... 40 .....   2300  ----- 63 [D] -----  0025												
32 DSN COVERAGE	1300  ----- 45 [D] -----  1600 1540  ----- 43 [D] -----  1735 ..... 40 .....												..... 40 .....												
S/C 32 INITIAL CONDITIONS RTLT: 29h 10m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 29h 10m 46s												0000 RTLT 29h 10m 56s												
FDS MODE XB DATA RATE(MI)													VGR 160(32)												
VGR COVERAGE	ON CALL												VGR ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0921 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
PDT:																									

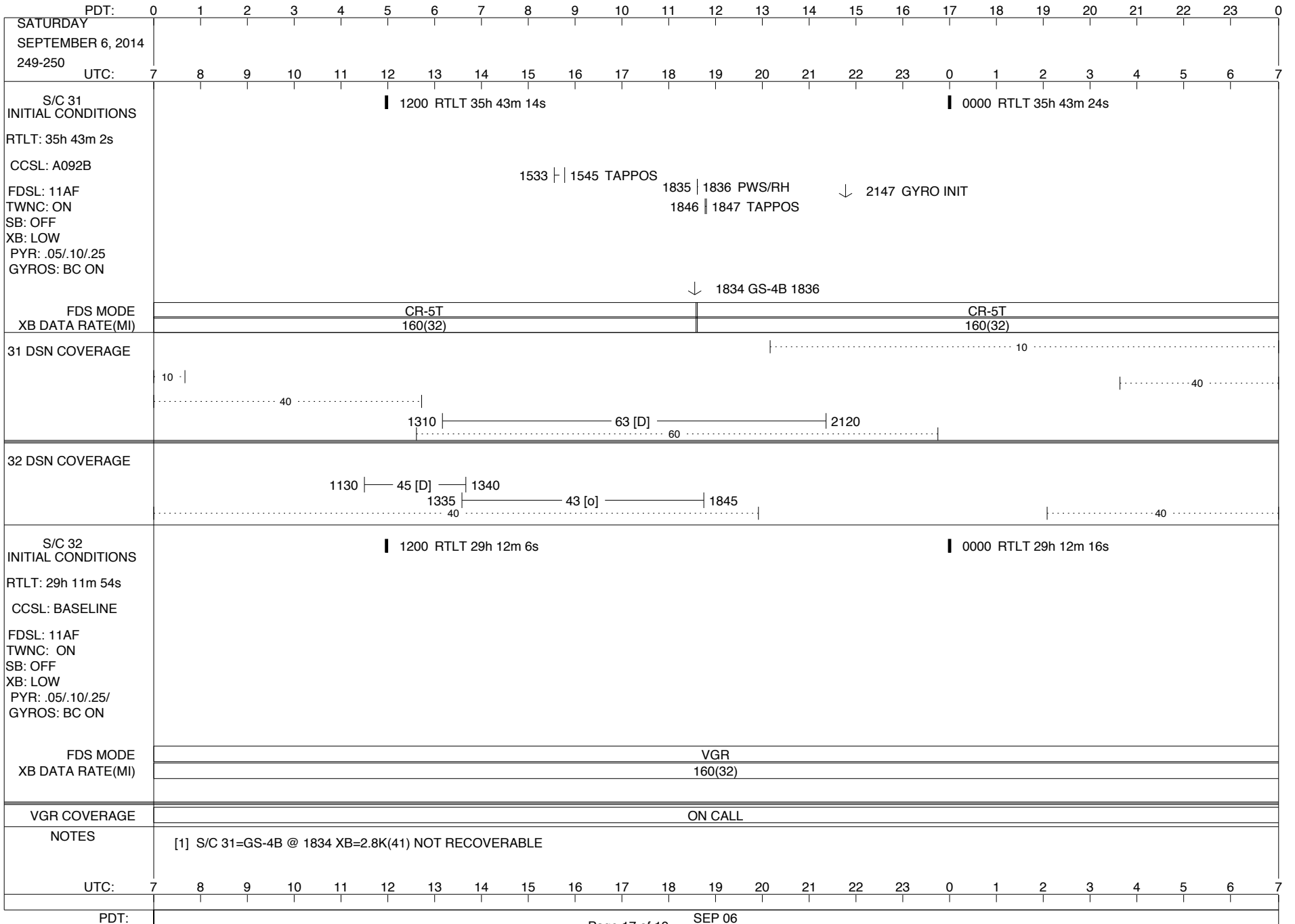
ISSUE DATE: 08/20/14 17:25

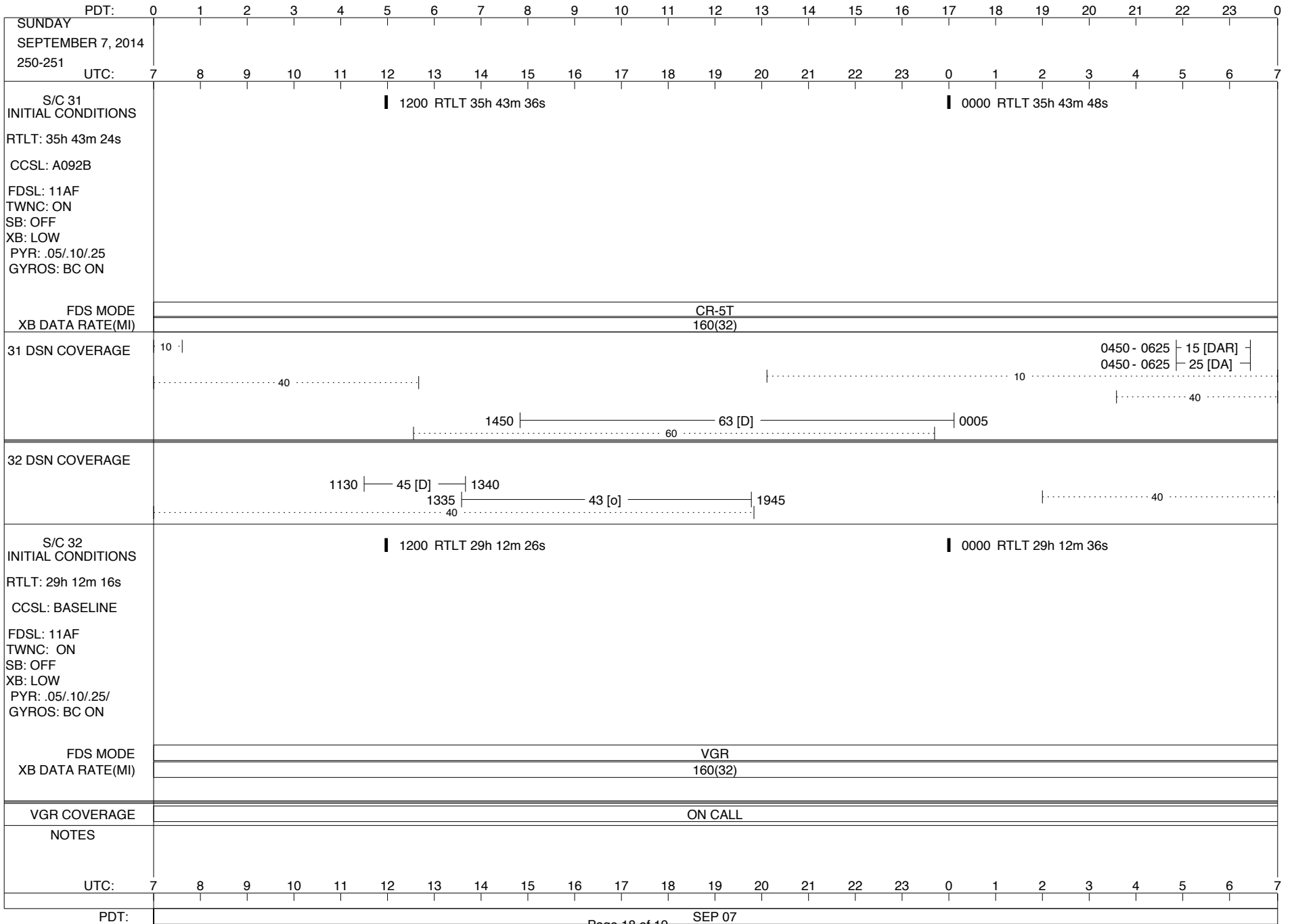


PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
THURSDAY SEPTEMBER 4, 2014 247-248																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS	1200 RTLT 35h 42m 26s												0000 RTLT 35h 42m 38s												
RTLT: 35h 42m 14s																									
CCSL: A092B	----- TLC (LONG-FORM) ----- + D/L																								
FDSL: 11AF	1232   -   1258 TAPPOS												↓ 2147 GYRO INIT												
TWNC: ON	1534   1535 PWS/RH																								
SB: OFF	1546   -   1558 TAPPOS																								
XB: LOW																									
PYR: .05/.10/.25																									
GYROS: BC ON																									
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS	1200 RTLT 29h 11m 26s												0000 RTLT 29h 11m 36s												
RTLT: 29h 11m 16s																									
CCSL: BASELINE	----- COMMAND MORATORIUM -----																								
FDSL: 11AF																									
TWNC: ON																									
SB: OFF																									
XB: LOW																									
PYR: .05/.10/.25/																									
GYROS: OFF																									
FDS MODE	VGR																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 1534 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
PDT:																									









ISSUE DATE: 08/20/14 17:25

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 SEPTEMBER 8, 2014 251-252																									
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 43m 48s CCSL: A092B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	<p>1200 RTLT 35h 44m 0s</p> <p>↓ 1946 BAY 1 HTR OFF ↓ 1950 X/B HI POWER ↓ 1959 AAI 2004   --- LECP OBS ---   2310 ↓ 2322 RAI ↓ 2339 GYRO FAULT TEST</p>																								
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)													
31 DSN COVERAGE	<p>10   .....40.....  .....60.....  1940  -----63 [D]-----  0000</p>																								
32 DSN COVERAGE	<p>1145  -----43 [o]-----  1940 .....40..... </p>																								
S/C 32 INITIAL CONDITIONS RTLT: 29h 12m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	<p>1200 RTLT 29h 12m 46s</p>																								
FDS MODE XB DATA RATE(MI)												VGR 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
PDT:																									