

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: February 6, 2013

For the Period: 02/07/13 to 02/25/13 (13-038 – 13-056)

**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

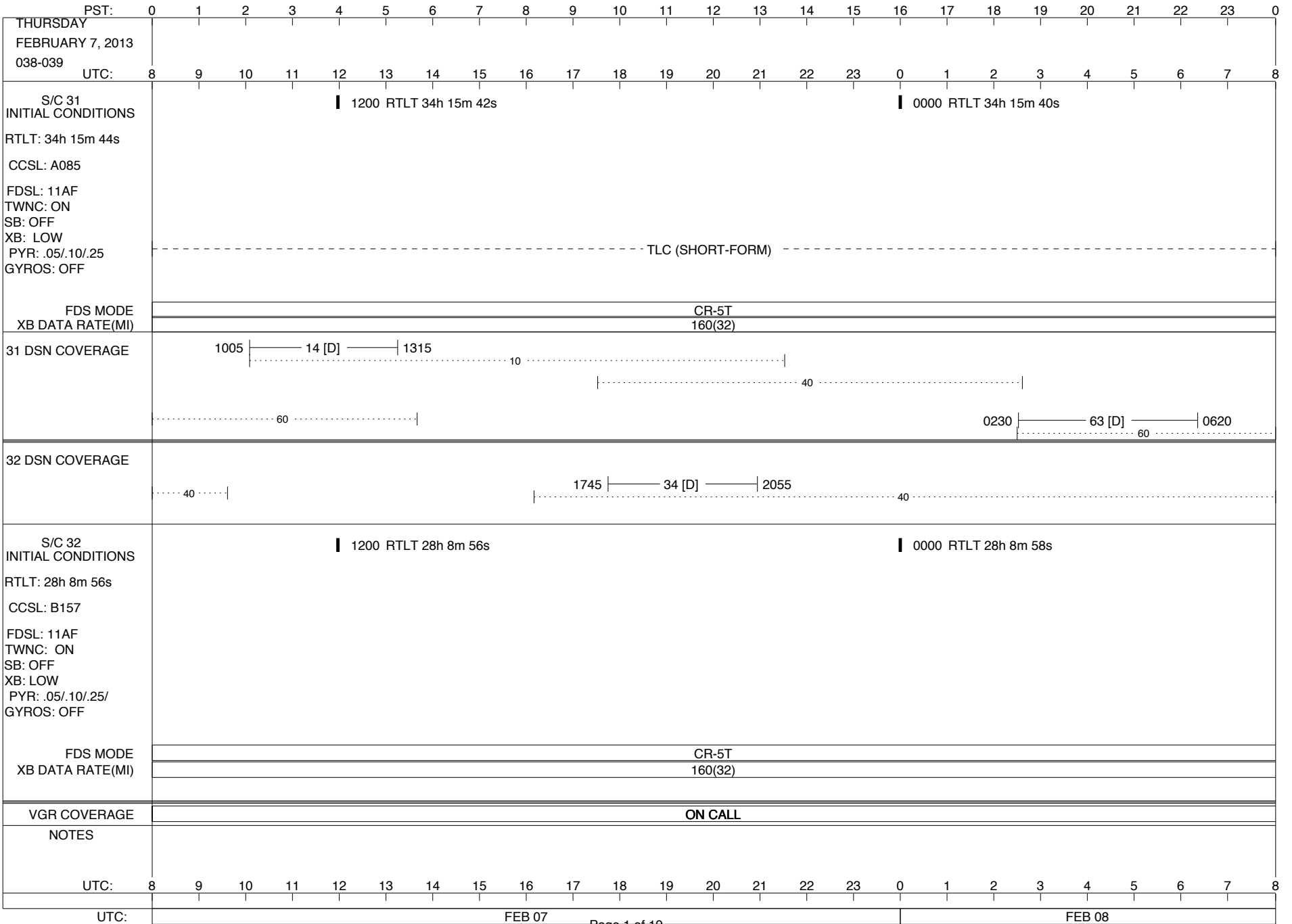
**OTHER**

\* 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

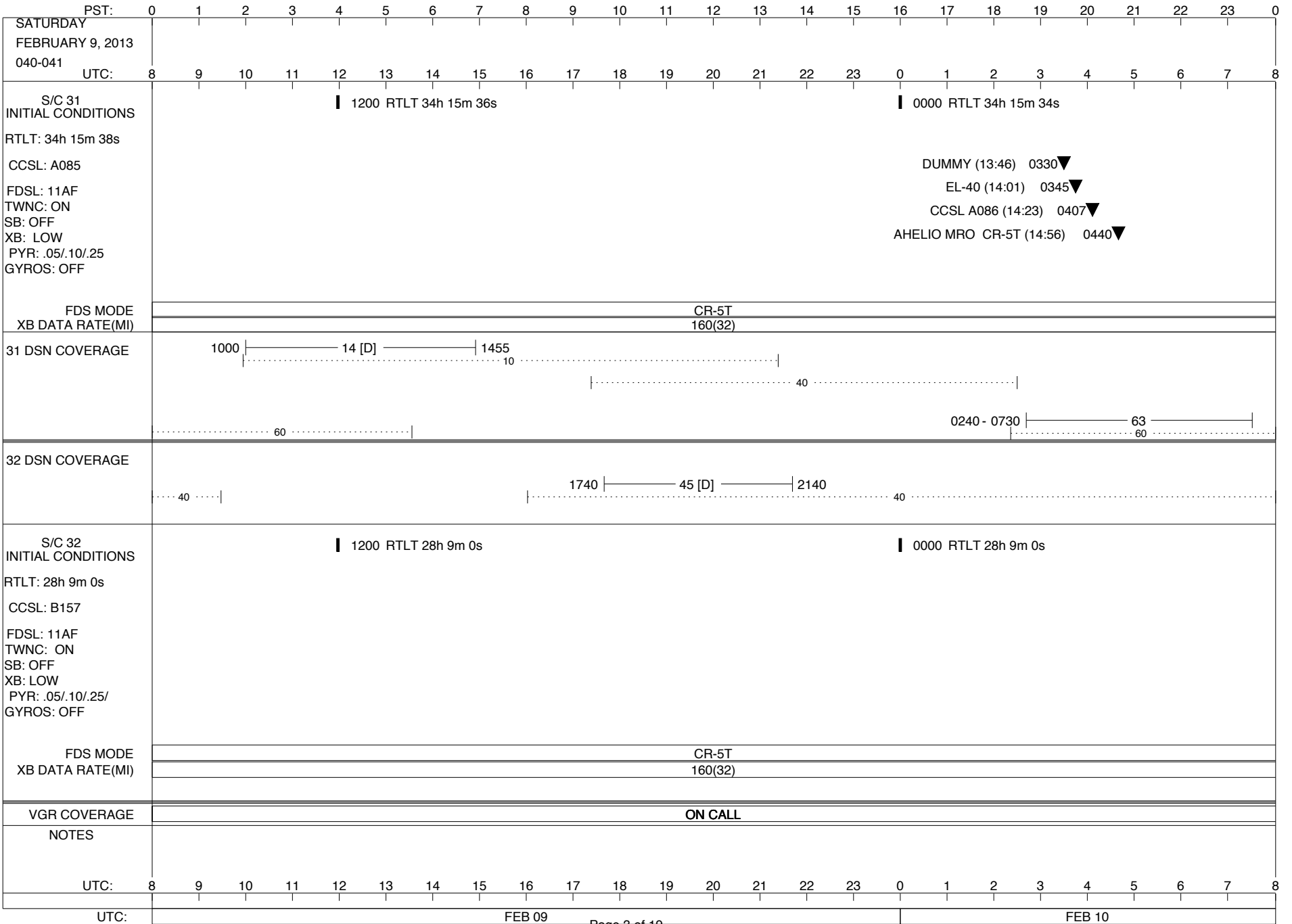
\*Electronic Copy Only  
 (16 – Dist/N: Paper Copies)  
 09/08/10

ISSUE DATE: 02/06/13 16:41

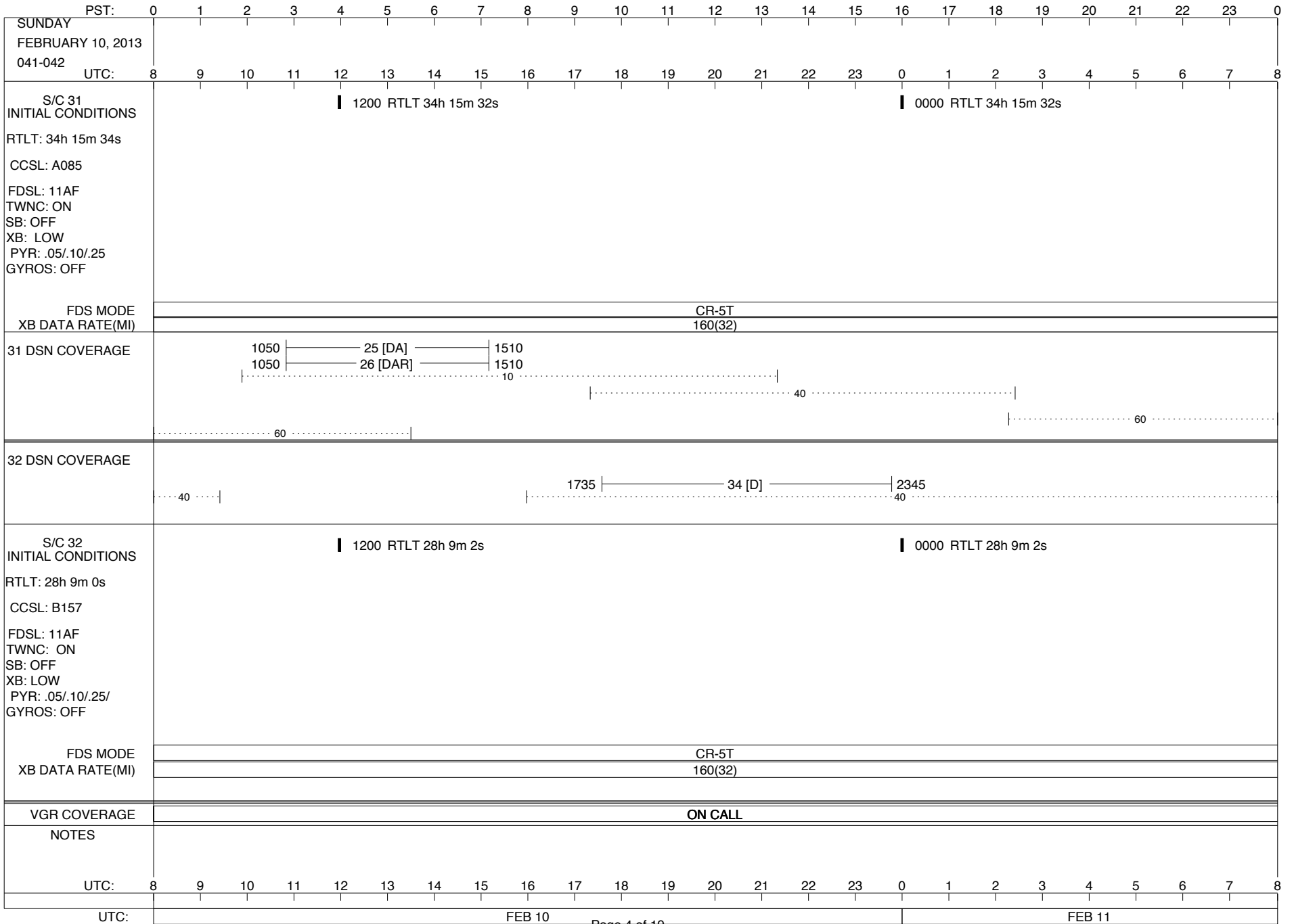


PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
FRIDAY FEBRUARY 8, 2013 039-040	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 34h 15m 40s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 34h 15m 40s												0000 RTLTL 34h 15m 38s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1055   25 [DAR]   1445 1055   26 [DA]   1445 ..... 10 ..... 40 ..... ..... 60 .....												0325   55 [DAR]   0645 0325   65 [DA]   0645 ..... 60 .....												
32 DSN COVERAGE	..... 40 .....												1740   45 [D]   2110 ..... 40 .....												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 8m 58s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 8m 58s												0000 RTLTL 28h 9m 0s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0302 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												

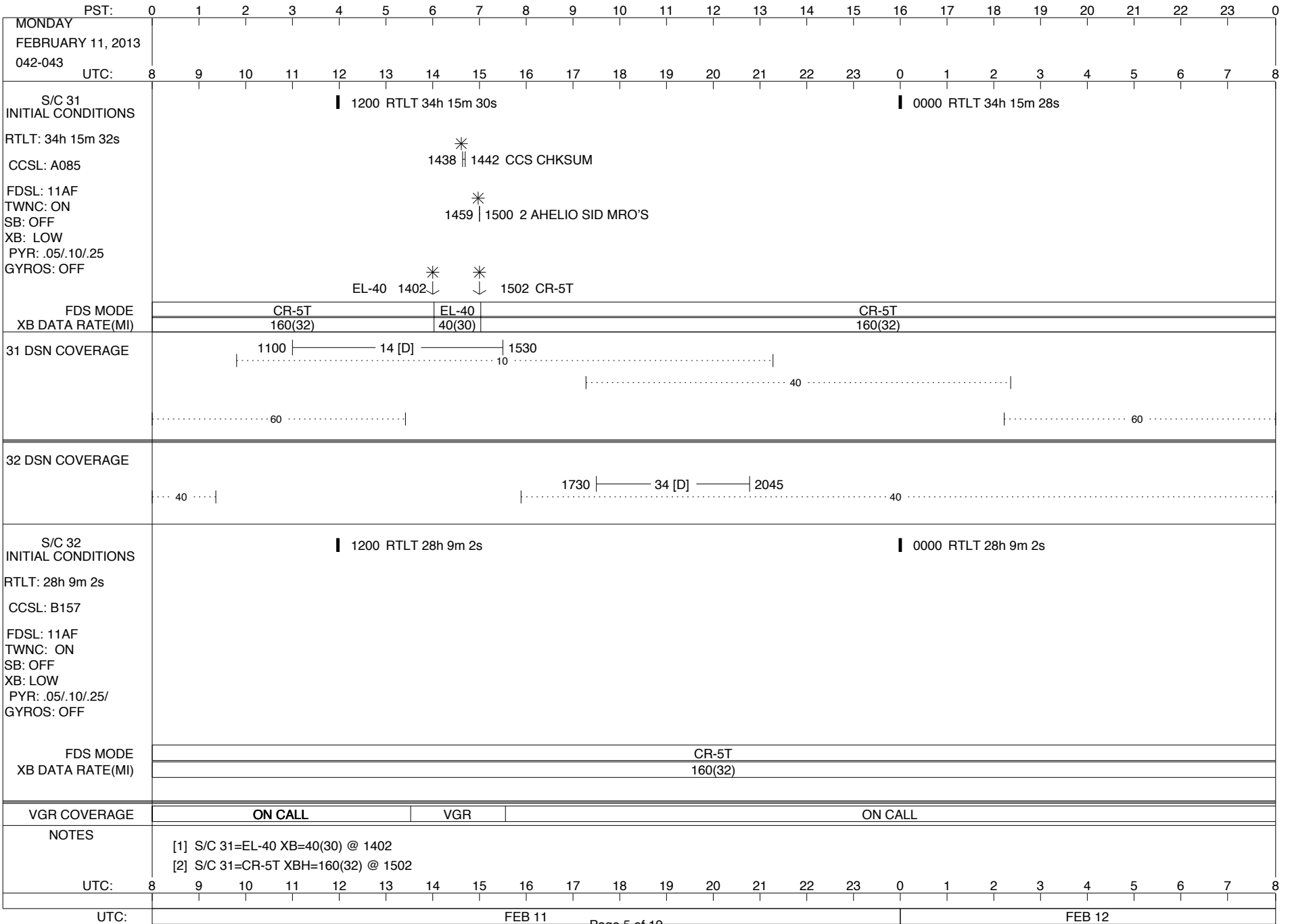
ISSUE DATE: 02/06/13 16:41



ISSUE DATE: 02/06/13 16:41



ISSUE DATE: 02/06/13 16:41



ISSUE DATE: 02/06/13 16:41

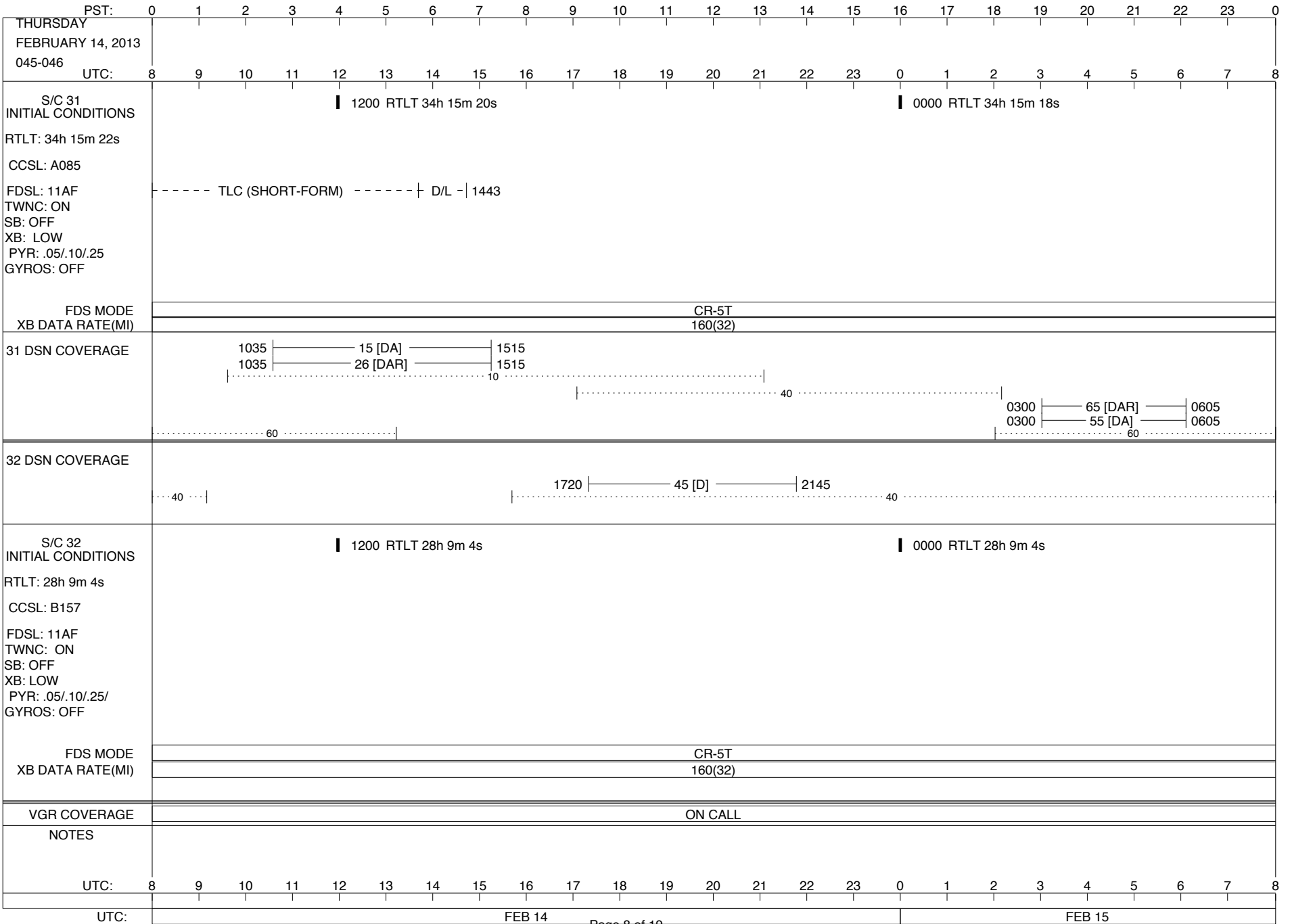
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
TUESDAY FEBRUARY 12, 2013 043-044																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLTL: 34h 15m 28s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 34h 15m 26s														█ 0000 RTLTL 34h 15m 24s													
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 RTLTL: 28h 9m 2s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 28h 9m 2s														█ 0000 RTLTL 28h 9m 4s													
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 @ 2037 XB=2.8K(41) NOT RECOVERABLE [2] A086 U/L BACKUP 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 12														FEB 13													

ISSUE DATE: 02/06/13 16:41

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 13, 2013 044-045	
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: 34h 15m 24s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1200 RTLTL 34h 15m 22s</p> </div> <div style="width: 45%;"> <p>0000 RTLTL 34h 15m 22s</p> </div> </div> <p style="text-align: center;">----- TLC (SHORT-FORM) -----</p> <hr/> <p style="text-align: center;">FDS MODE CR-5T XB DATA RATE(MI) 160(32)</p>
31 DSN COVERAGE	<p>1040  ----- 24 [DA] -----  1545 1040  ----- 25 [DAR] -----  1545</p> <p>..... ----- 10 ----- ..... ----- 40 ----- ..... ----- 60 ----- .....</p> <p style="text-align: right;">0305  ----- 65 [DA] -----  0640 0305  ----- 55 [DAR] -----  0640</p> <p style="text-align: right;">..... ----- 60 ----- .....</p>
32 DSN COVERAGE	<p>..... ----- 40 ----- ..... ----- 45 [D] -----  2045</p> <p>..... ----- 40 ----- .....</p>
S/C 32 INITIAL CONDITIONS RTLTL: 28h 9m 4s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1200 RTLTL 28h 9m 4s</p> </div> <div style="width: 45%;"> <p>0000 RTLTL 28h 9m 4s</p> </div> </div> <hr/> <p style="text-align: center;">FDS MODE CR-5T XB DATA RATE(MI) 160(32)</p>
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 13 <span style="float: right;">FEB 14</span>	

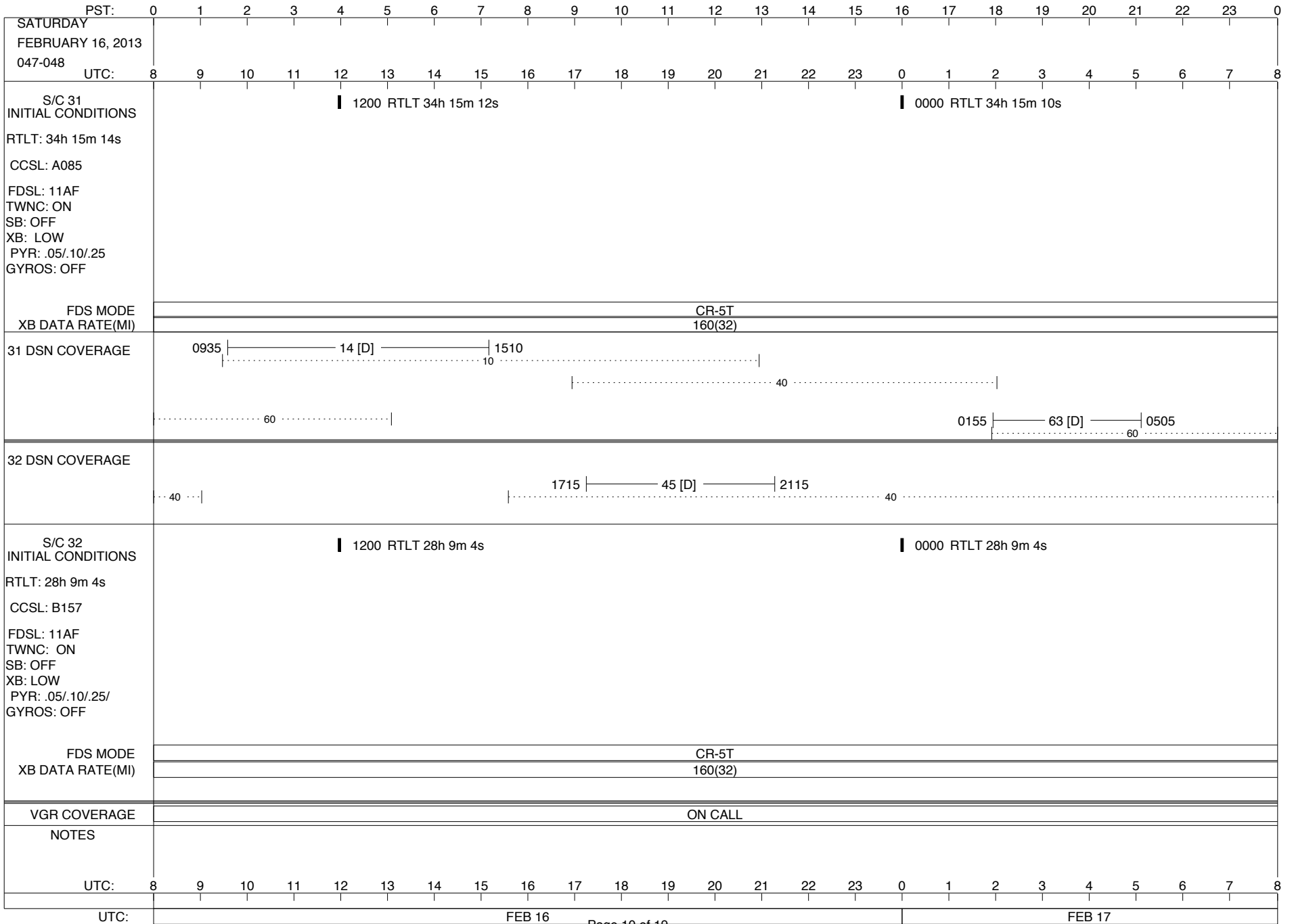


ISSUE DATE: 02/06/13 16:41





ISSUE DATE: 02/06/13 16:41

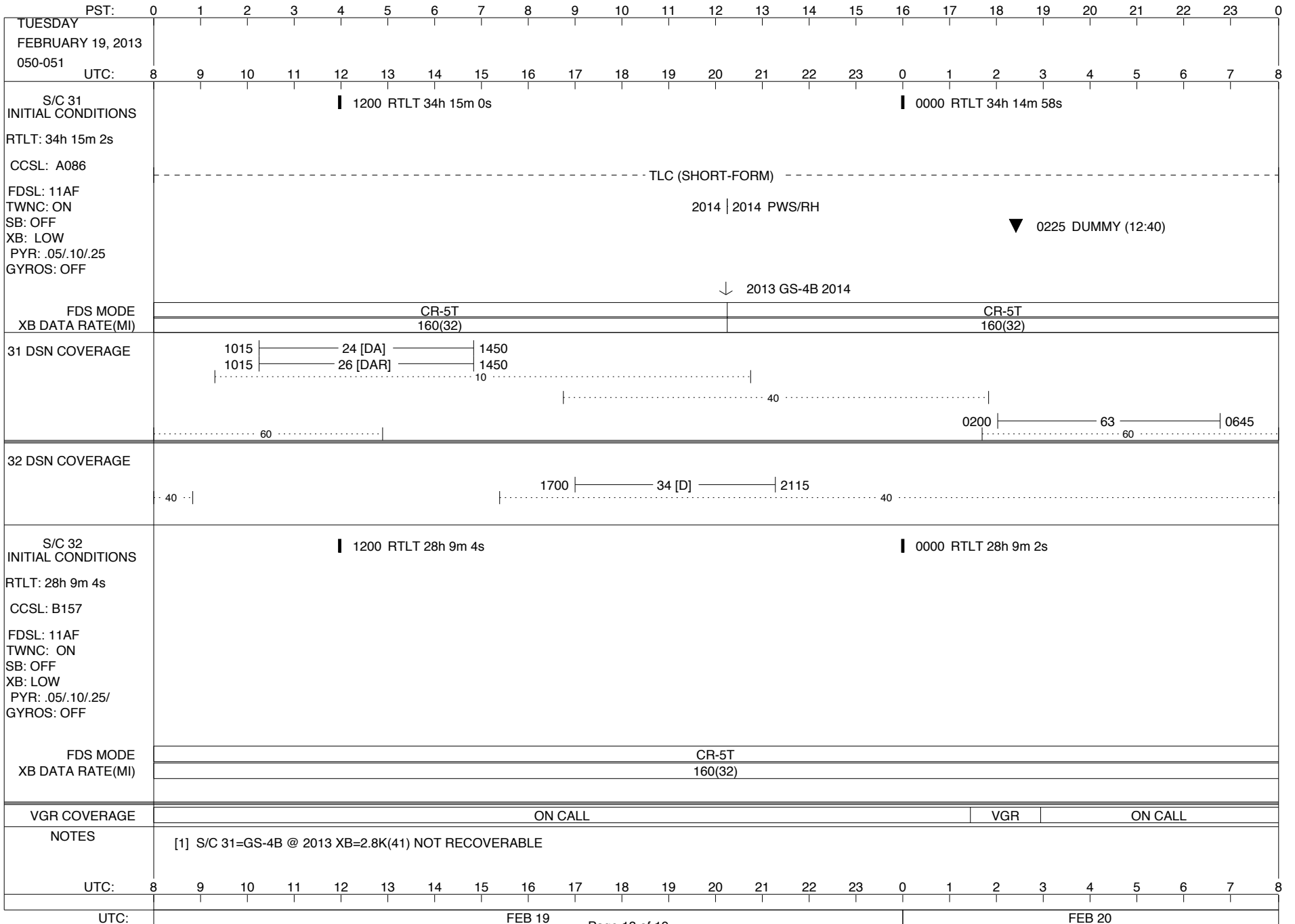


ISSUE DATE: 02/06/13 16:41

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
SUNDAY FEBRUARY 17, 2013 048-049	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: 34h 15m 10s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 34h 15m 8s												0000 RTLTL 34h 15m 6s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	1020  -----  15 [DAR]  -----  1410 1020  -----  24 [DA]  -----  1410  -----  10  -----  40  -----  60																								
32 DSN COVERAGE	-----  40  -----  1705  -----  45 [D]  -----  2105  -----  40																								
S/C 32 INITIAL CONDITIONS RTLTL: 28h 9m 4s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 9m 4s												0000 RTLTL 28h 9m 4s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	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 17												FEB 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 18, 2013 049-050																										
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: 34h 15m 6s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 34h 15m 4s												█ 0000 RTLT 34h 15m 2s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	1020  ----- 24 [DA] -----  1515 1020  ----- 25 [DAR] -----  1515 ..... ----- 10 -----  ..... ----- 40 -----  ..... ----- 60 -----												0200  ----- 63 [T] -----  0610 ..... ----- 60 -----													
32 DSN COVERAGE	..... ----- 40 -----  ..... ----- 1705 ----- ----- 45 [D] ----- ----- 2035 -----  ..... ----- 40 -----																									
S/C 32 INITIAL CONDITIONS RTLT: 28h 9m 4s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 28h 9m 4s												█ 0000 RTLT 28h 9m 4s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												ON CALL													
NOTES	JPL HOLIDAY!																									
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 18												FEB 19													

ISSUE DATE: 02/06/13 16:41



ISSUE DATE: 02/06/13 16:41

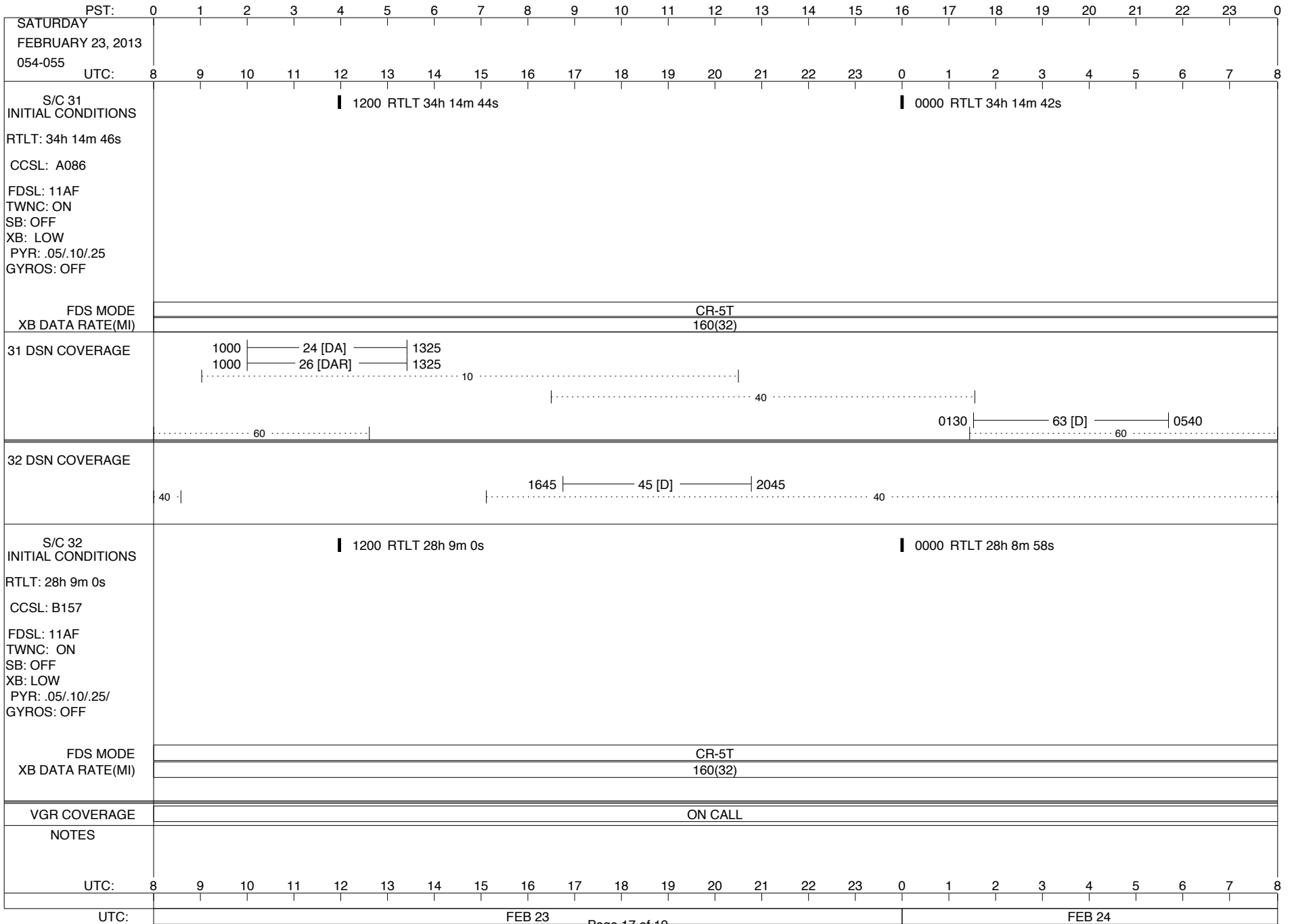
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0					
WEDNESDAY FEBRUARY 20, 2013 051-052																														
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8					
S/C 31 INITIAL CONDITIONS RTLTL: 34h 14m 58s CCSL: A086 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 34h 14m 56s												█ 0000 RTLTL 34h 14m 54s																	
	----- TLC (SHORT-FORM) -----   D/L -   1408																													
	↓ 1441 GYROS AC ON												↓ 1441 GYRO INIT												↓ 1451 GYRO FAULT TEST					
FDS MODE													CR-5T																	
XB DATA RATE(MI)													160(32)																	
31 DSN COVERAGE	<p>1010  ----- 15 [DA] -----  1540  1010  ----- 24 [DAR] -----  1540  ..... ----- 10 -----   ..... ----- 40 -----   ..... ----- 60 -----   ..... ----- 0140 -----  63 [D] -----  0645  ..... ----- 60 ----- </p>																													
32 DSN COVERAGE	<p>..... ----- 40 -----   ..... ----- 1655 -----  34 [D] -----  2000  ..... ----- 40 ----- </p>																													
S/C 32 INITIAL CONDITIONS RTLTL: 28h 9m 2s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 28h 9m 2s												█ 0000 RTLTL 28h 9m 2s																	
FDS MODE													CR-5T																	
XB DATA RATE(MI)													160(32)																	
VGR COVERAGE	ON CALL												VGR						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 20												Page 14 of 19						FEB 21											



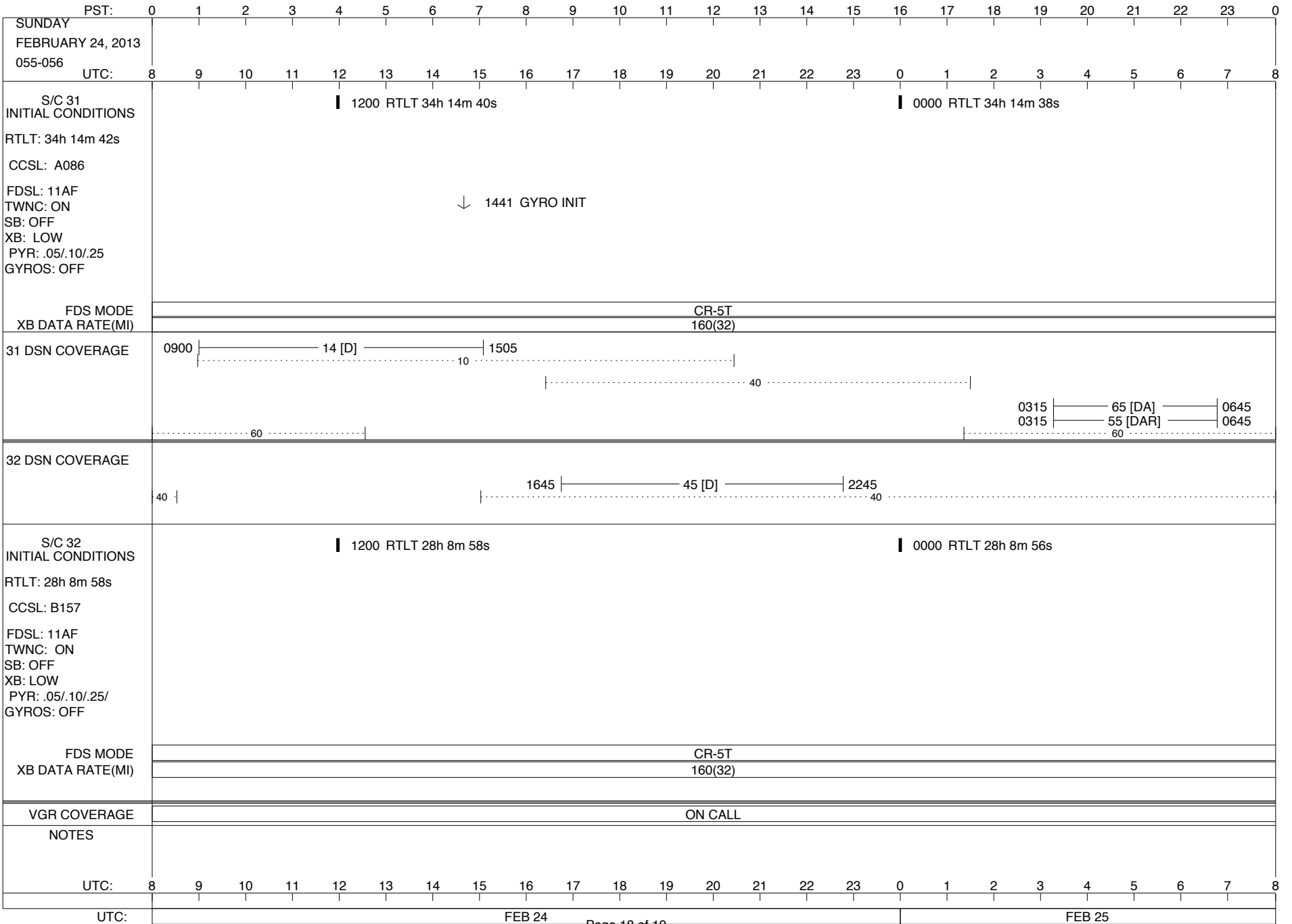


ISSUE DATE: 02/06/13 16:41

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 22, 2013 053-054																										
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: 34h 14m 50s CCSL: A086 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 34h 14m 48s												█ 0000 RTLTL 34h 14m 46s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	0910  ----- 14 [D] -----  1305  ----- 10 -----   ----- 40 -----												0135  ----- 63 [D] -----  0640  ----- 60 -----													
32 DSN COVERAGE	40 ·  ----- 1645  ----- 45 [D] -----  2135  ----- 40 -----																									
S/C 32 INITIAL CONDITIONS RTLTL: 28h 9m 0s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 28h 9m 0s												█ 0000 RTLTL 28h 9m 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 @ 0213 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 22												FEB 23													



ISSUE DATE: 02/06/13 16:41



ISSUE DATE: 02/06/13 16:41

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 25, 2013 056-057	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: 34h 14m 38s CCSL: A086 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 34h 14m 36s																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	0900  --- 14 [D] ---  1055 1035  --- 15 [DA] ---  1330 1035  --- 24 [DAR] ---  1330  ----- 10 -----   ----- 60 -----																										
32 DSN COVERAGE	40  ----- 1910  --- 34 [D] ---  2210																										
S/C 32 INITIAL CONDITIONS RTLT: 28h 8m 56s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 28h 8m 56s																										
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 25													FEB 26													