

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: February 20, 2013

For the Period: 02/21/13 to 03/11/13 (13-052 – 13-070)

**DSN OPSCHIEF (1) 230-102**

**SCIENCE**

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

**DSOT (1) 230-102**

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- Ludwig, R. (2)
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- Peralta, F.
- Weeks, T.
- Wong, R.
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- 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

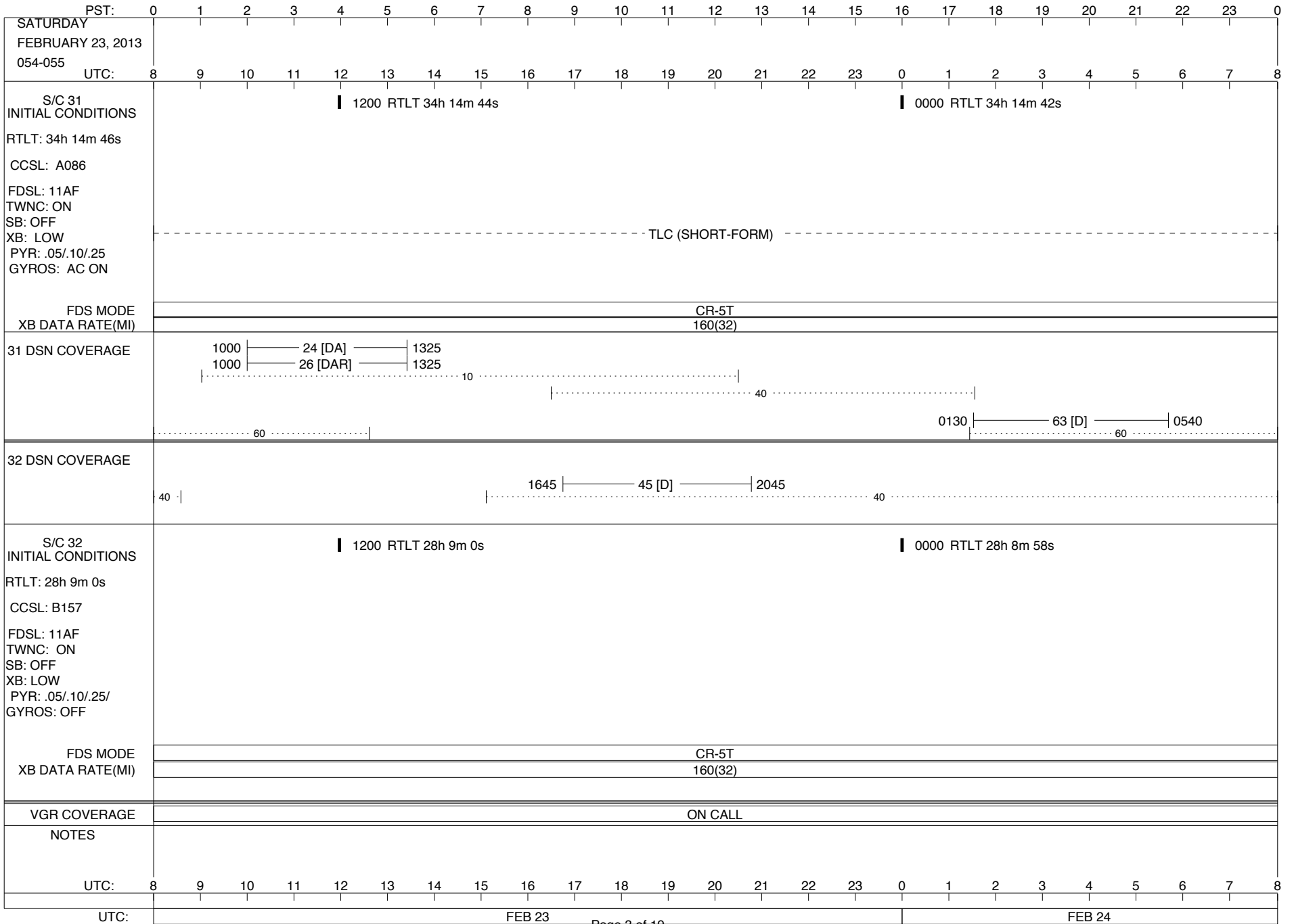
\*Electronic Copy Only  
(16 – Dist/N: Paper Copies)  
09/08/10

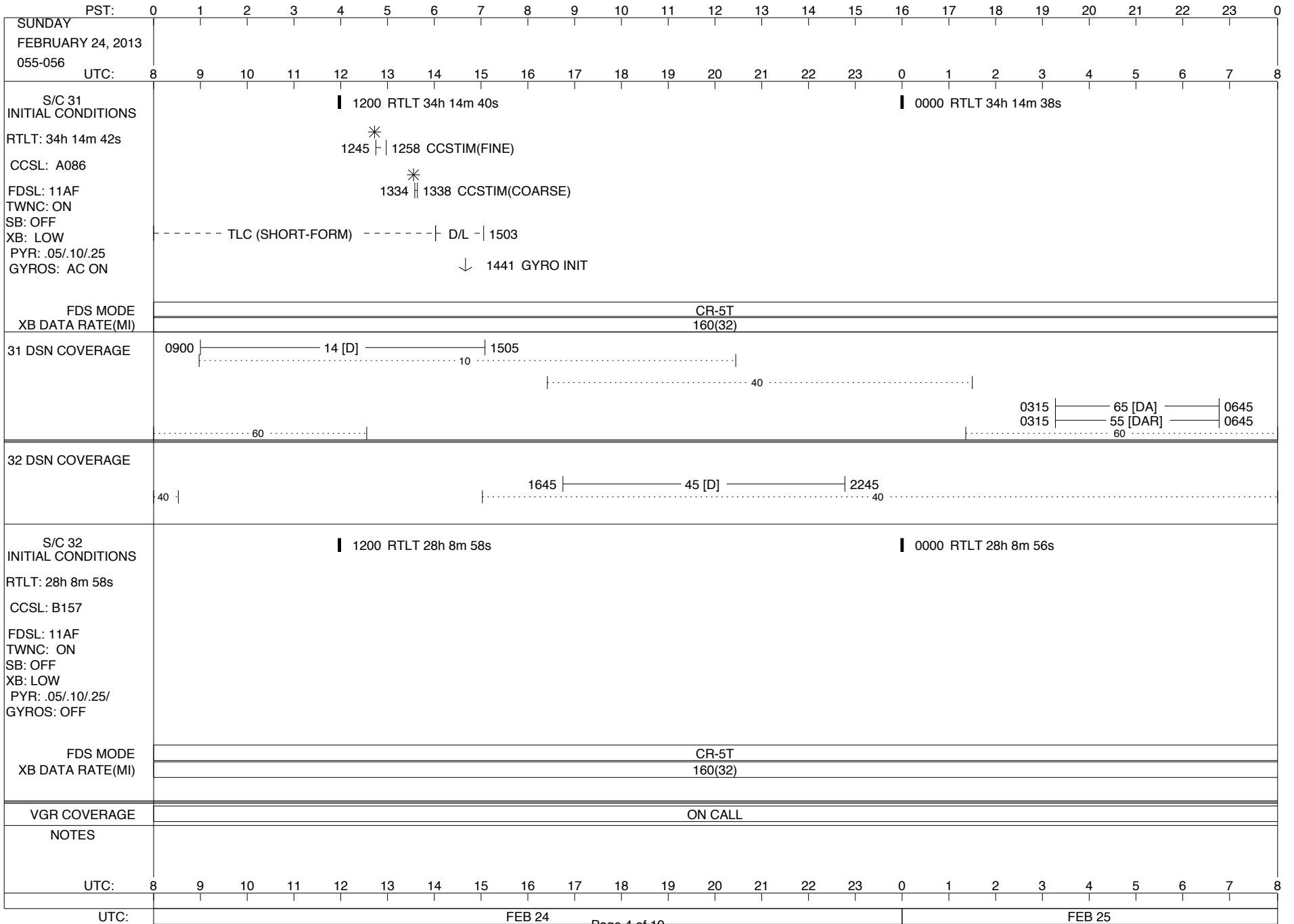
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S/C 31 INITIAL CONDITIONS RTLT: 34h 14m 54s CCSL: A086 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	1200 RTLT 34h 14m 52s														0000 RTLT 34h 14m 50s													
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLT: 28h 9m 2s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 9m 2s														0000 RTLT 28h 9m 0s													
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 21														FEB 22													

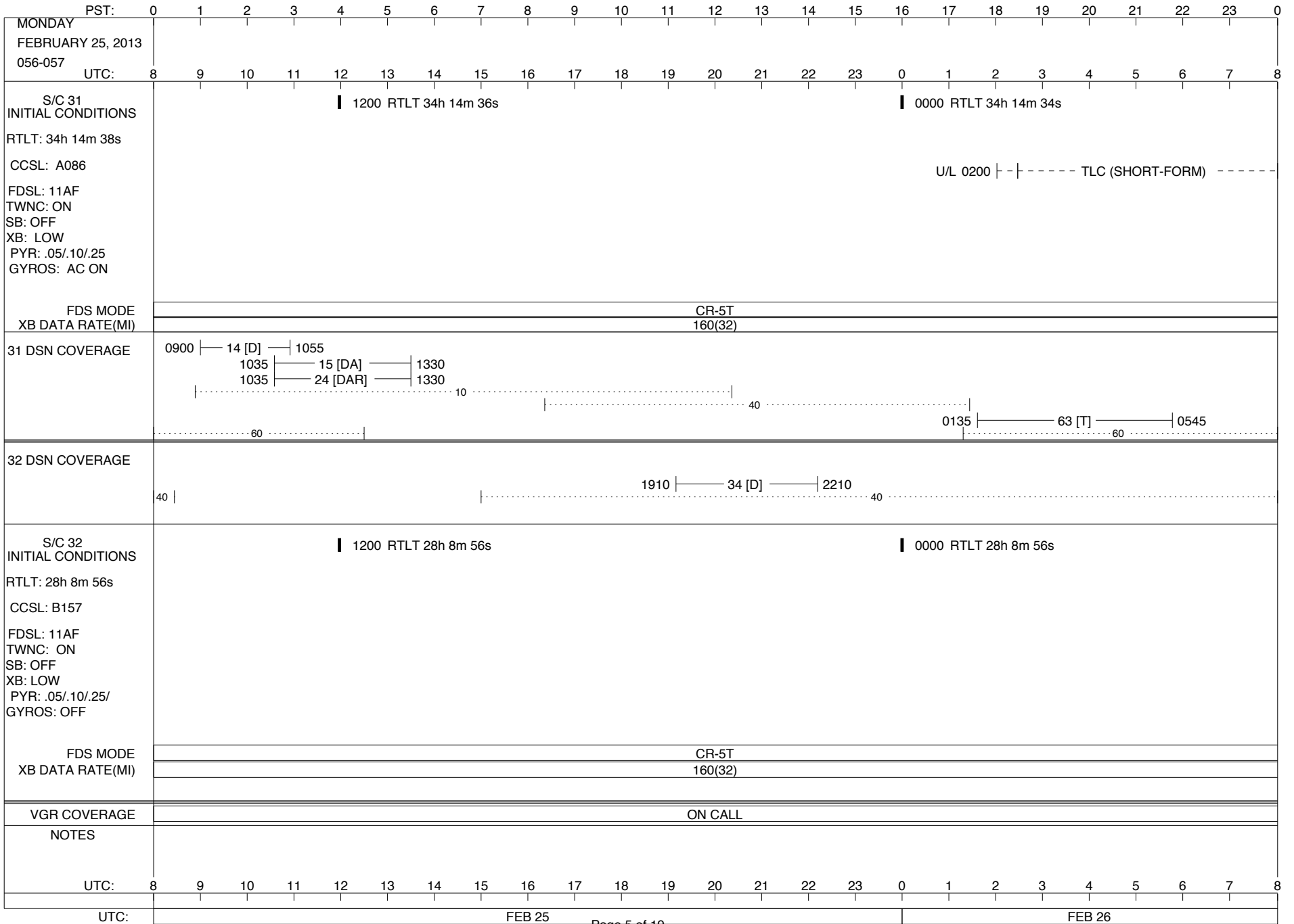
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S/C 31 INITIAL CONDITIONS RTLT: 34h 14m 50s CCSL: A086 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	█ 1200 RTLT 34h 14m 48s ↓ 1441 GYRO INIT												█ 0000 RTLT 34h 14m 46s 2311  ----  0005 TAPPOS 0213   0214 PWS/RH ▼ 0225 DUMMY (12:40) ▼ 0230 CCSTIM (12:45) U/L 0320   -   - - TLC (SHORT-FORM) - - - 0421   - - - -   0529 TAPPOS ↓ 0213 GS-4B 0214												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0910  -----  14 [D] -----  1305  -----  10 -----   -----  40 -----  60 -----												0135  -----  63 [T] -----  0640  -----  60 -----												
32 DSN COVERAGE	-----  40 40 1645  -----  45 [D] -----  2135  -----  40 -----																								
S/C 32 INITIAL CONDITIONS RTLT: 28h 9m 0s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 28h 9m 0s												█ 0000 RTLT 28h 9m 0s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												VGR						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: 02/20/13 21:58

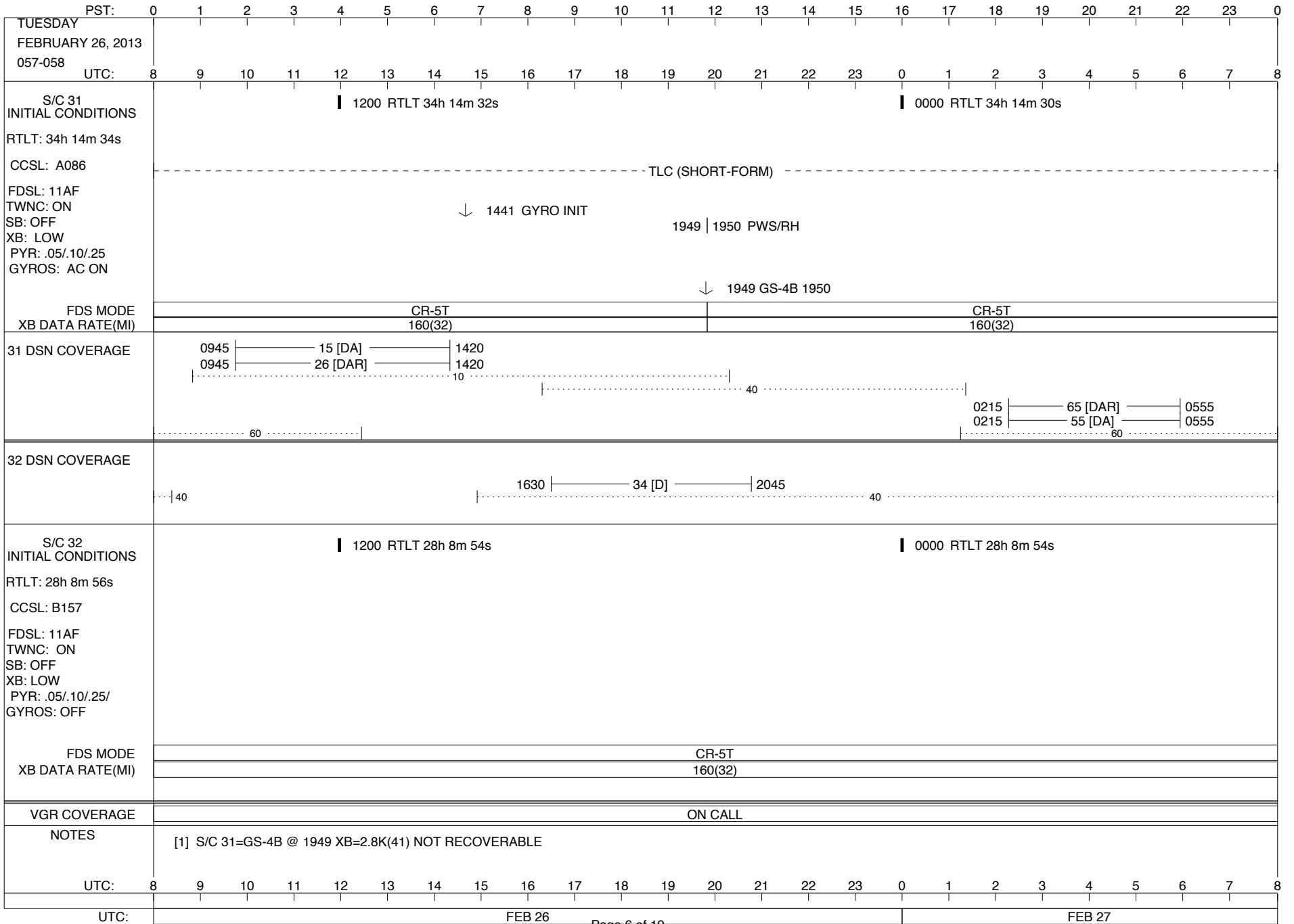




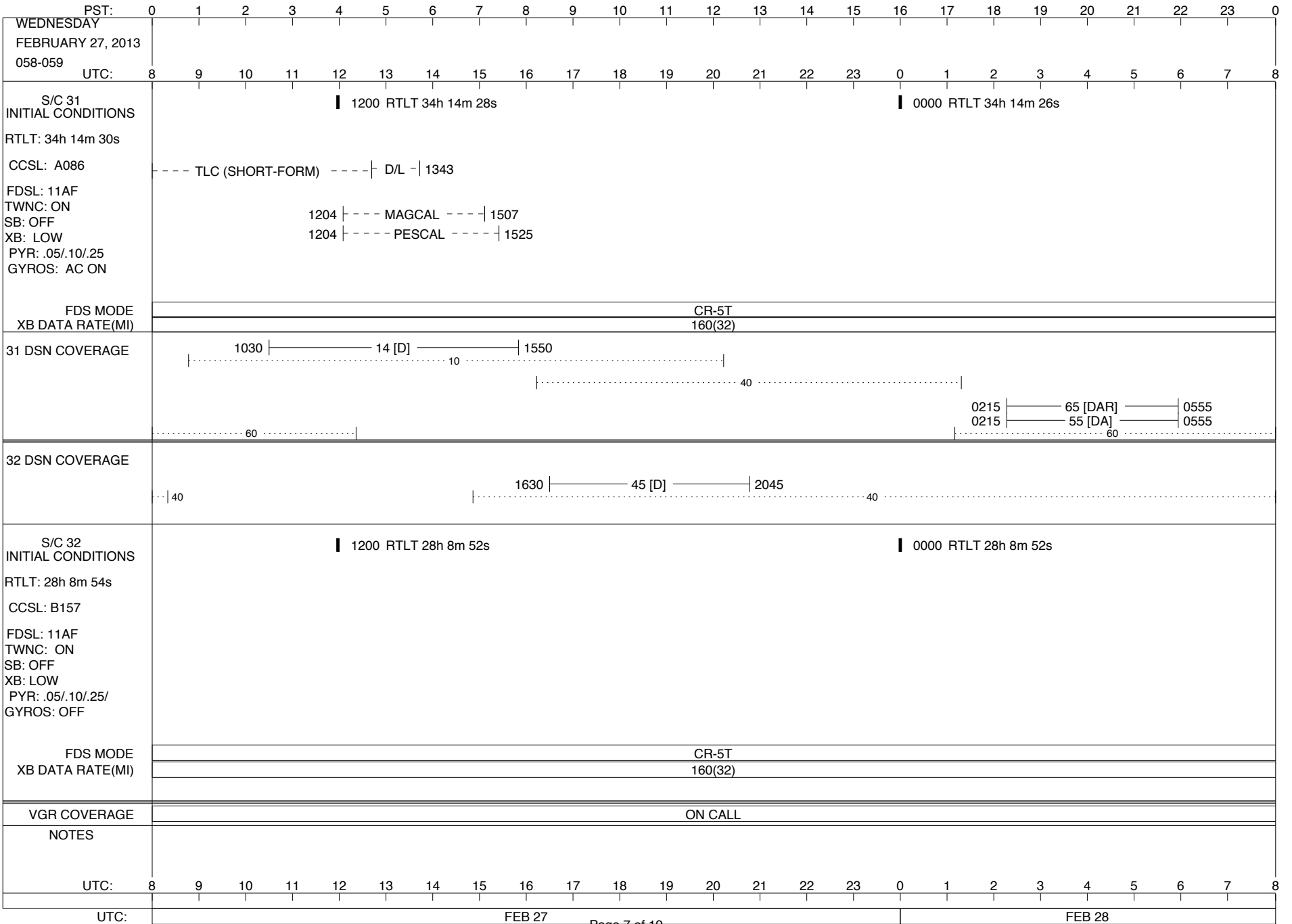
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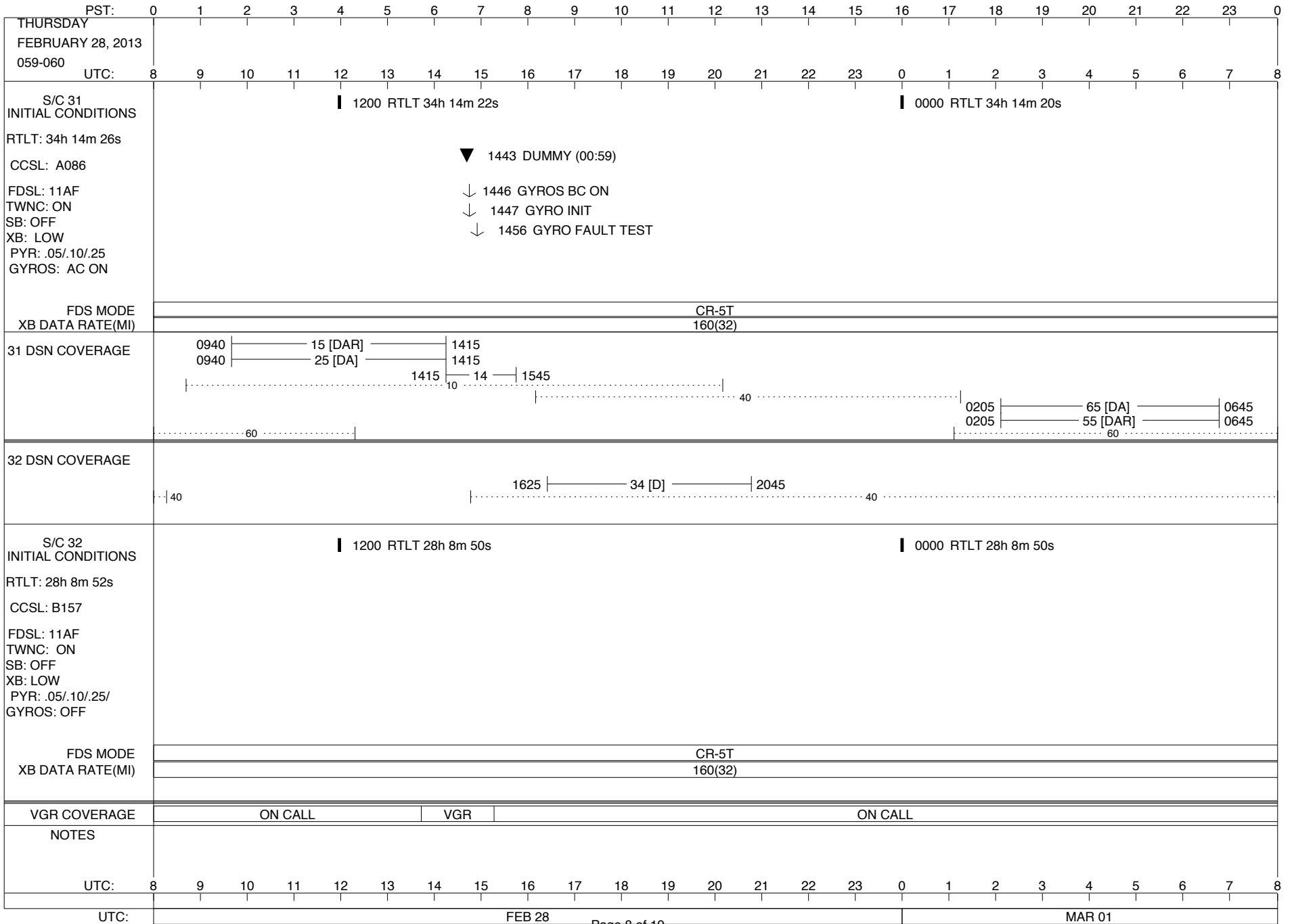
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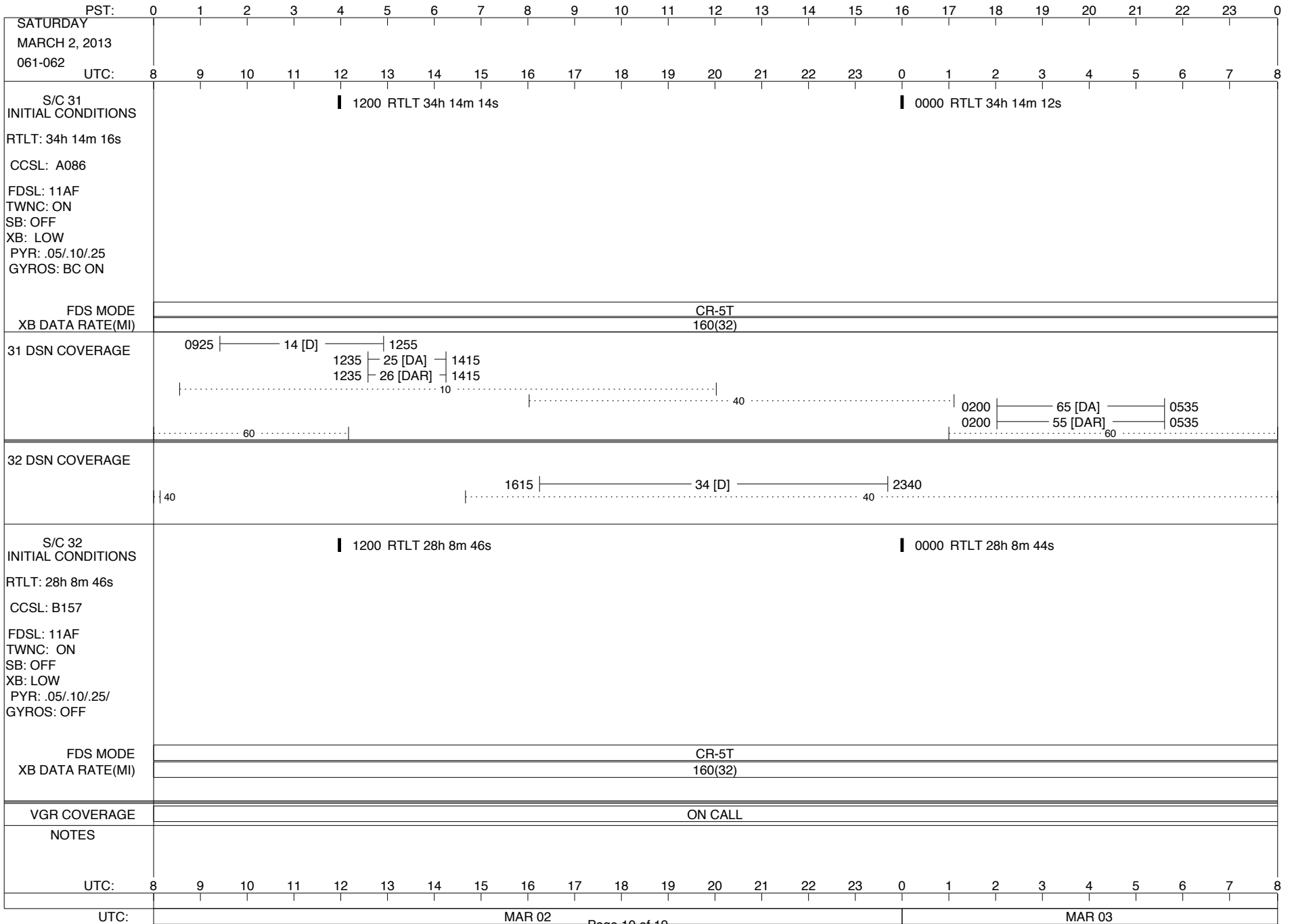




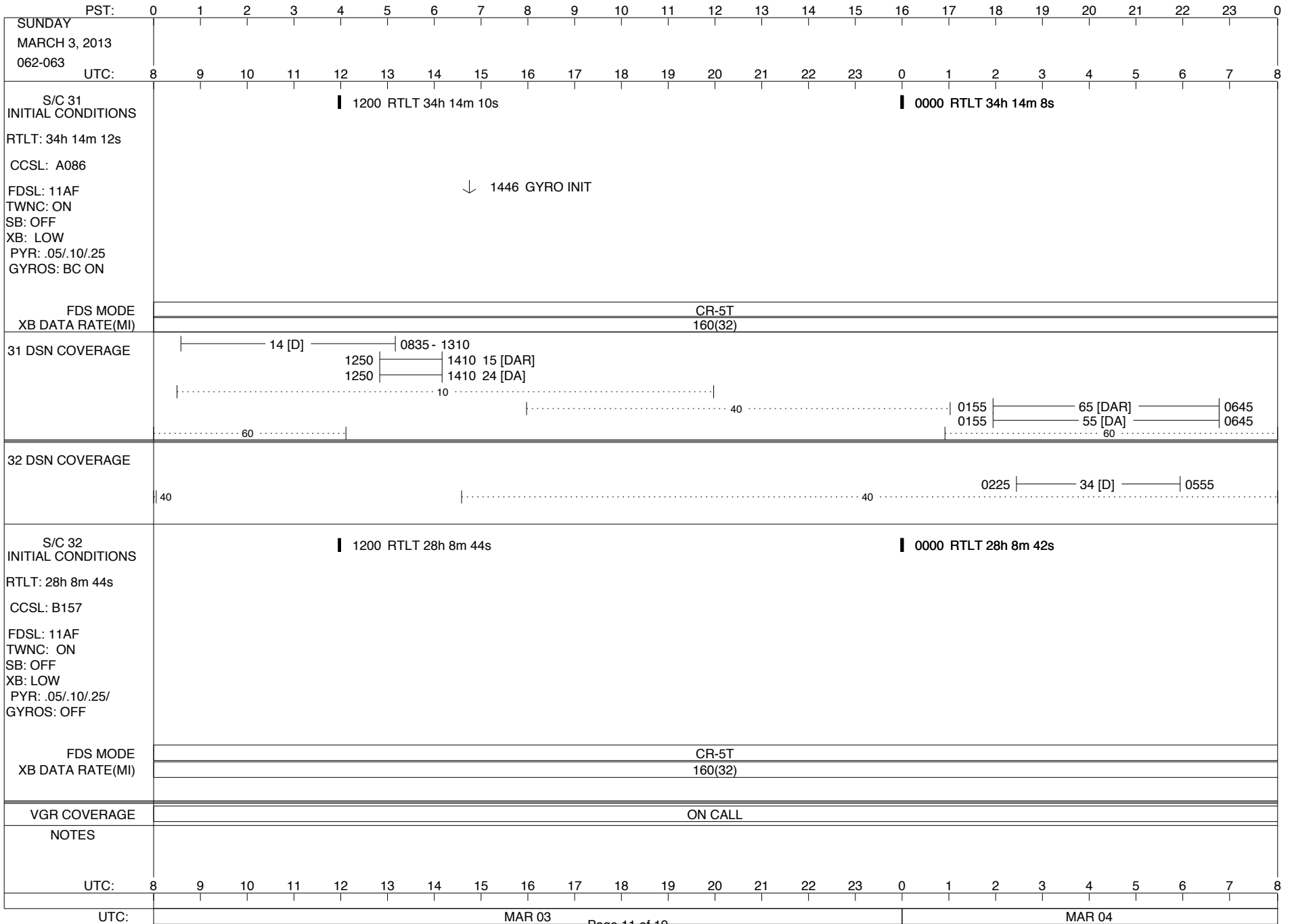


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S/C 31 INITIAL CONDITIONS RTLT: 34h 14m 20s CCSL: A086 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON		1200 RTLT 34h 14m 18s											0000 RTLT 34h 14m 16s													
FDS MODE	CR-5T											CR-5T														
XB DATA RATE(MI)	160(32)											160(32)														
31 DSN COVERAGE	<p>14 [D] 0840 - 1135            1115 15 [DAR] 1300            1115 25 [DA] 1300</p> <p>10 40 0105 63 [D] 0240 60</p>																									
32 DSN COVERAGE	<p>40 1635 34 [o] 2140 40</p>																									
S/C 32 INITIAL CONDITIONS RTLT: 28h 8m 50s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF		1200 RTLT 28h 8m 48s											0000 RTLT 28h 8m 46s													
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 @ 0149 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:	MAR 01											MAR 02														

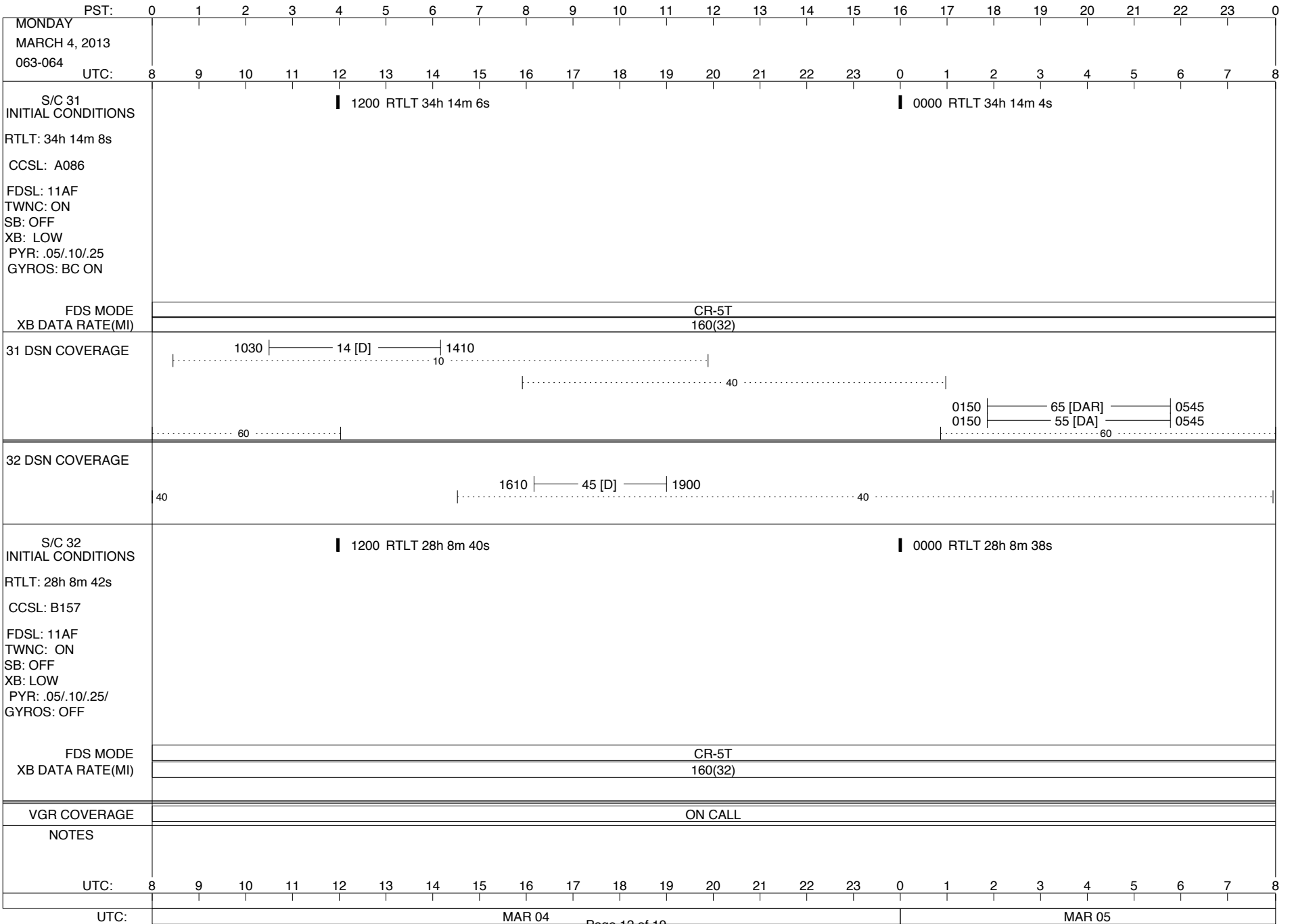
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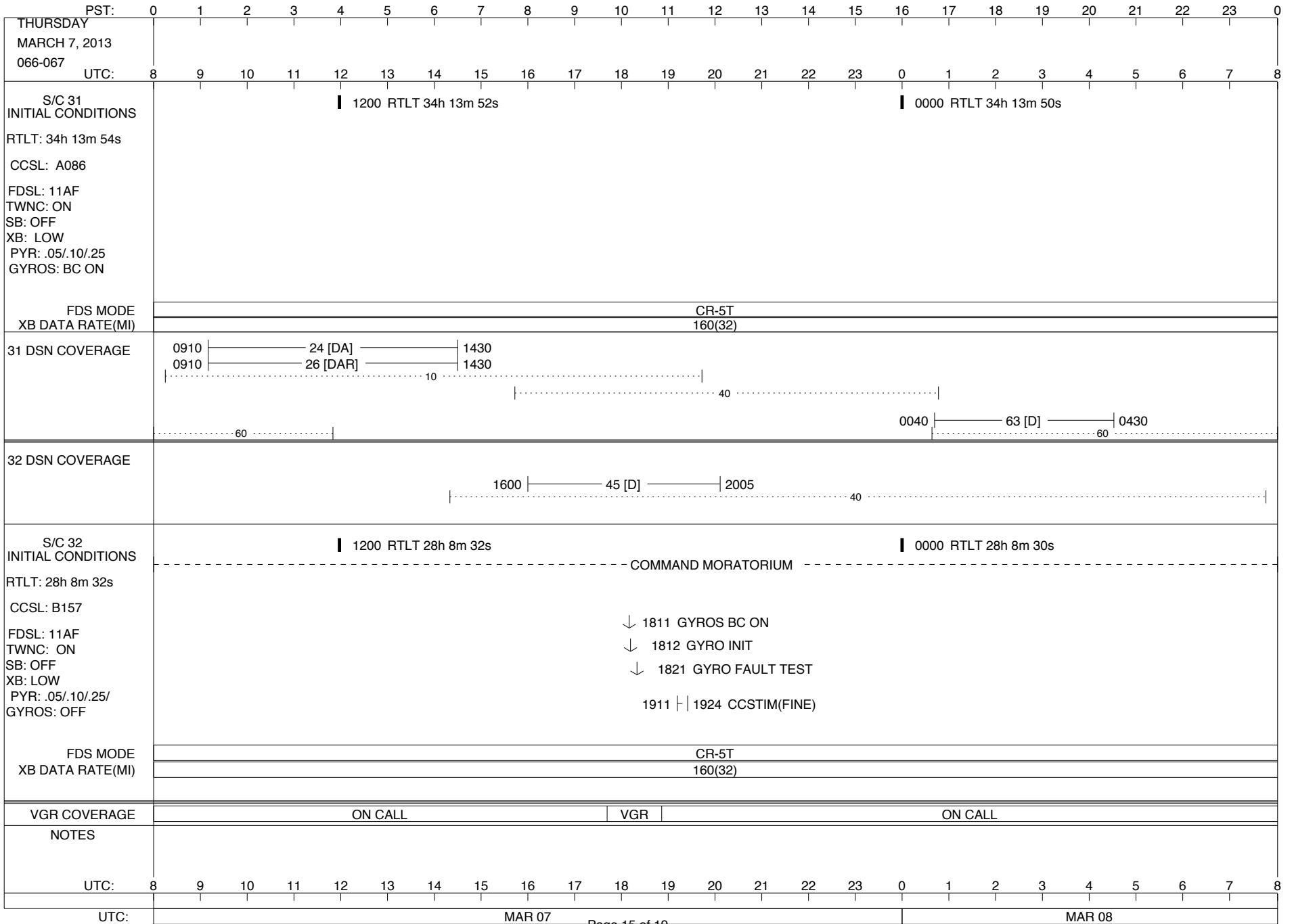


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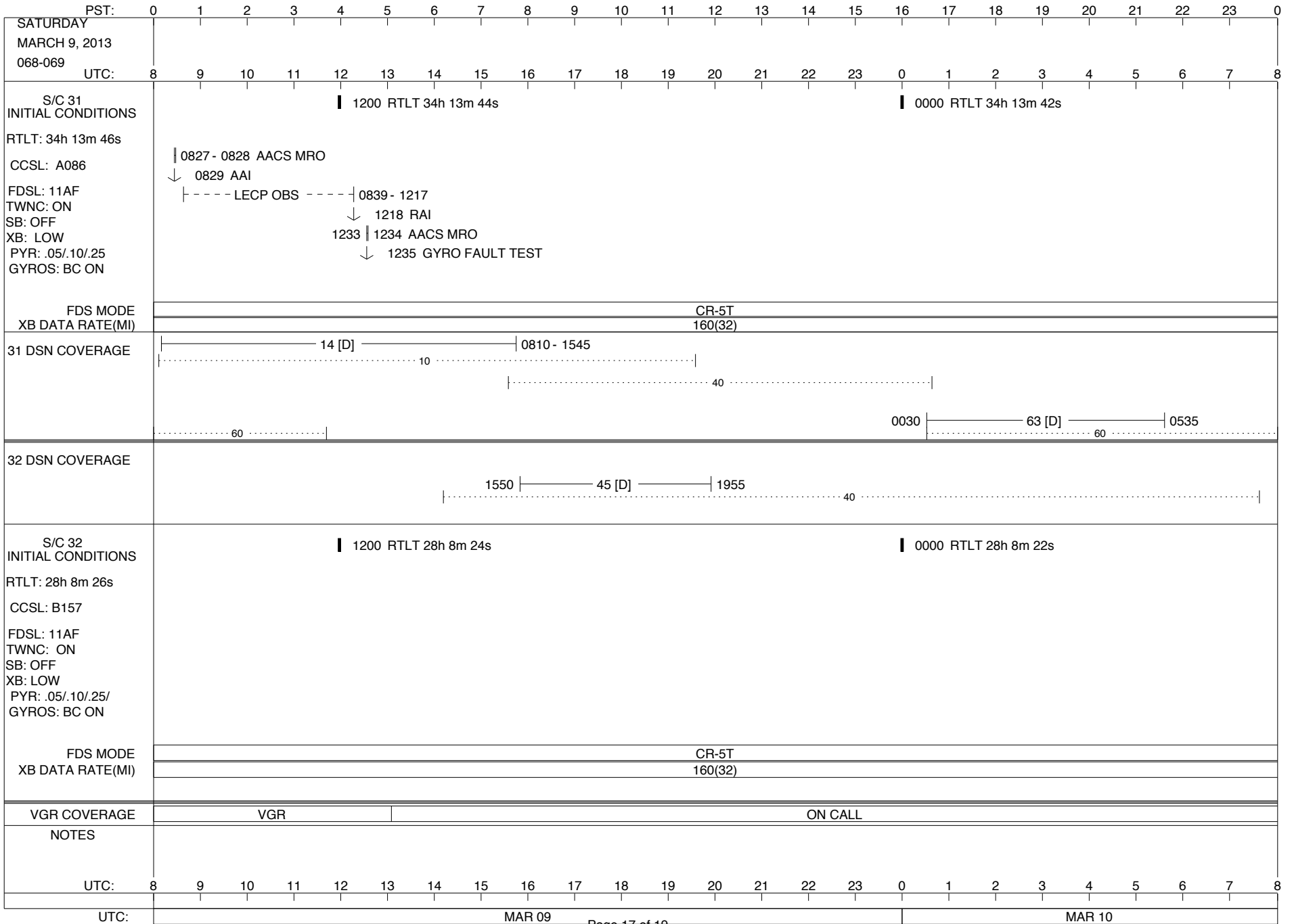






ISSUE DATE: 02/20/13 21:58

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FRIDAY MARCH 8, 2013 067-068					
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 13m 50s CCSL: A086 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	<p>1200 RTLT 34h 13m 48s</p> <p>0000 RTLT 34h 13m 46s</p> <p>2223   - TAPPOS -   0012</p> <p>0125   0125 PWS/RH</p> <p>0332   - TAPPOS - -   0535</p> <p>↓ 0125 GS-4B 0125</p>				
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T</td> <td>CR-5T</td> </tr> <tr> <td>160(32)</td> <td>160(32)</td> </tr> </table>	CR-5T	CR-5T	160(32)	160(32)
CR-5T	CR-5T				
160(32)	160(32)				
31 DSN COVERAGE	<p>0905   15 [DA]   1445</p> <p>0905   26 [DAR]   1445</p> <p>..... 10 .....</p> <p>..... 40 .....</p> <p>..... 60 .....</p> <p>0225   63 [D]   0635</p> <p>..... 60 .....</p>				
32 DSN COVERAGE	<p>1555   45 [D]   2150</p> <p>..... 40 .....</p>				
S/C 32 INITIAL CONDITIONS RTLT: 28h 8m 30s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	<p>1200 RTLT 28h 8m 28s</p> <p>0000 RTLT 28h 8m 26s</p> <p>----- COMMAND MORATORIUM -----   1403</p>				
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T</td> </tr> <tr> <td>160(32)</td> </tr> </table>	CR-5T	160(32)		
CR-5T					
160(32)					
VGR COVERAGE	ON CALL				
NOTES	[1] S/C 31=GS-4B @ 0125 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: MAR 08 MAR 09					



PST:	0	1	3	4	5	6	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	8	9
SUNDAY MARCH 10, 2013 069-070																																	
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S/C 31 INITIAL CONDITIONS RTLT: 34h 13m 42s CCSL: A086 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 34h 13m 40s ↓ 0911 BAY 1 HTR OFF ↓ 0915 X/B HI POWER 0927   0928 AACS MRO ↓ 0929 AAI 0939   - - LECP OBS - -   1215 ↓ 1227 RAI 1242   1243 AACS MRO ↓ 1244 GYRO FAULT TEST														0000 RTLT 34h 13m 36s AACS MRO 0817 - 0818   AAI 0819 ↓ LECP OBS 0829   - -																		
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)																		
31 DSN COVERAGE	0900  ----- 24 [DA] -----  1305 0900  ----- 26 [DAR] -----  1305  ----- 10 -----   ----- 40 -----   ----- 60 -----														0800   14 [D]    ----- 10 -----  0030  ----- 63 [D] -----  0425  ----- 60 -----																		
32 DSN COVERAGE	1545  ----- 34 [D] -----  2345  ----- 40 -----																																
S/C 32 INITIAL CONDITIONS RTLT: 28h 8m 22s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	1200 RTLT 28h 8m 22s														0000 RTLT 28h 8m 20s																		
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)																		
VGR COVERAGE	VGR														ON CALL										VGR								
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	9							
UTC:	MAR 10														MAR 11																		

ISSUE DATE: 02/20/13 21:58

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MONDAY MARCH 11, 2013 070-071	UTC: 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 13m 36s CCSL: A086 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	<p>1200 RTLT 34h 13m 34s</p> <p>----- LECP OBS -----   1339            ↓ 1351 RAI            1406   1407 AACS MRO            ↓ 1408 GYRO FAULT TEST</p>																							
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)											
31 DSN COVERAGE	<p>----- 14 [D] -----   1445            ..... 10 .....              ..... 60 .....  </p>																							
32 DSN COVERAGE	<p>1540  ----- 34 [DA] -----  2115            1540  ----- 45 [DAR] -----  2115</p>																							
S/C 32 INITIAL CONDITIONS RTLT: 28h 8m 20s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	<p>1200 RTLT 28h 8m 18s</p> <p>↓ 1856 BAY 1 HTR OFF            ↓ 1900 X/B HI POWER            ↓ 1927 ALL DB=.05            ↓ 1943 AAI            1944   - -   2021 ASCAL            ↓ 2018 RAI            ↓ 2030 YAW=.10            ↓ 2030 ROLL=.25            ↓ 2031 GYRO FAULT TEST            1912 ↓ ↓ 2024</p>																							
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												EL-40 40(30)				CR-5T 160(32)							
VGR COVERAGE	VGR						ON CALL						VGR						ON CALL					
NOTES	<p>[1] S/C32=EL-40 XB=40(30) @ 1912            [2] S/C 32=CR-5T XB=160(32) @ 2024</p>																							
UTC:	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:	MAR 11												MAR 12											