

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: February 8, 2017

For the Period: 02/09/17 to 02/27/17 (17-040 – 17-058)

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

**DSOT (1) 230-102**

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**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

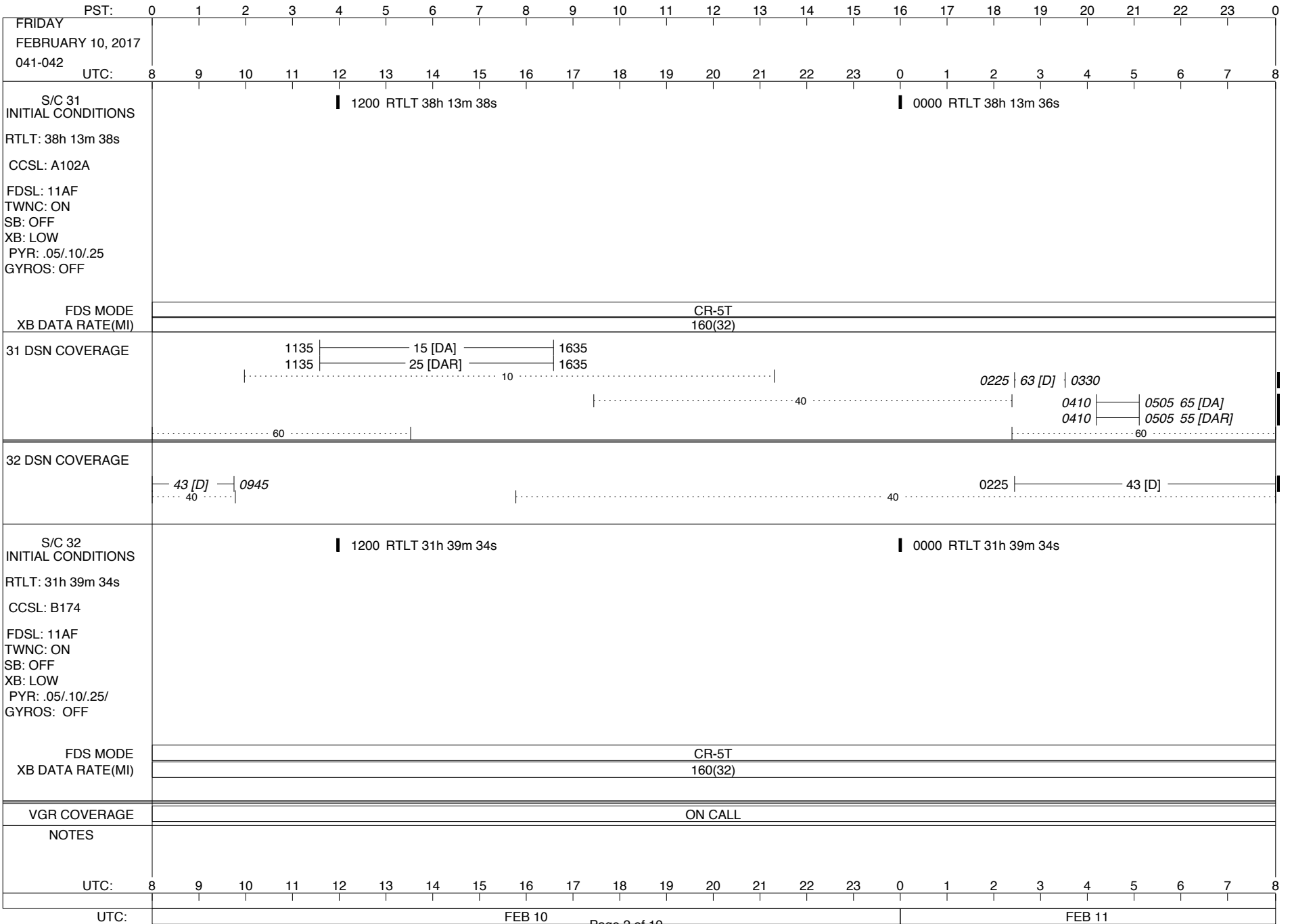
**LEGEND:**  
 ▽ = R/T Command (Last chance or Contingency)  
 ▼ = R/T Command (Scheduled)  
 \* = Result of R/T Command  
 n = (where n = 1,2,3 ..) Special Note, see bottom of page  
 A = Arrayed station  
 B = BLF  
 D = Downlink only pass  
 H = High Power Transmitter  
 R = Array Reference Antenna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

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

ISSUE DATE: 02/15/17 06:42

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			
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S/C 31 INITIAL CONDITIONS RTLTL: 38h 13m 42s CCSL: A102A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLTL 38h 13m 40s ↓ 1132 BAY 1 HTR OFF ↓ 1136 X/B HI POWER ↓ 1147 YAW=.05 1157  -----PLAYBACK-----  1815 ↓ 1825 YAW=.10 ↓ 1829 X/B LOW POWER ↓ 1833 BAY 1 HTR ON ↓ 1157 ↓ 1815														0000 RTLTL 38h 13m 38s TAPPOS 0256   0305 A102B CHKSUM 0327 *  0331 2 AHEL12 SID MRO'S 0357 *  0359 CCSTIM FINE 0436 *  0443 CCSTIM COARSE 0536 *  0539 EL-40 0301 *  *  0401 CR-5T													
FDS MODE		CR-5T							PB-14							CR-5T							EL-40		CR-5T				
XB DATA RATE(MI)		160(32)							1.4K(39)							160(32)							40(30)		160(32)				
31 DSN COVERAGE		<p>Timeline for S/C 31 DSN Coverage:</p> <ul style="list-style-type: none"> <li>CR-5T: 1005 to 2040 (14 [DA]), 1115 to 1945 (25 [DA]), 1115 to 1945 (26 [DAR]), 60 min duration.</li> <li>PB-14: 1005 to 2040 (14 [DA]), 1115 to 1945 (25 [DA]), 1115 to 1945 (26 [DAR]), 40 min duration.</li> <li>EL-40: 0230 to 0550 (63 [D]), 60 min duration.</li> </ul>																											
32 DSN COVERAGE		<p>Timeline for S/C 32 DSN Coverage:</p> <ul style="list-style-type: none"> <li>CR-5T: 43 [D] to 0945 (40 min duration), 0645 to 43 [D] (40 min duration).</li> </ul>																											
S/C 32 INITIAL CONDITIONS RTLTL: 31h 39m 32s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF		1200 RTLTL 31h 39m 32s *  0842 - 0845 CCSTIM (COARSE)														0000 RTLTL 31h 39m 34s													
FDS MODE		CR-5T																											
XB DATA RATE(MI)		160(32)																											
VGR COVERAGE		ON CALL							VGR							ON CALL							VGR		ON CALL				
NOTES		[1] S/C 31=PB-14 @ 1157 XB=1.4K(39) [2] S/C 31=CR-5T @ 1815 XB=160(32)														[3] S/C 31=EL-40 @ 0301 XB=160(32) [4] S/C 31=CR-5T @ 0401 XB=160(32)													
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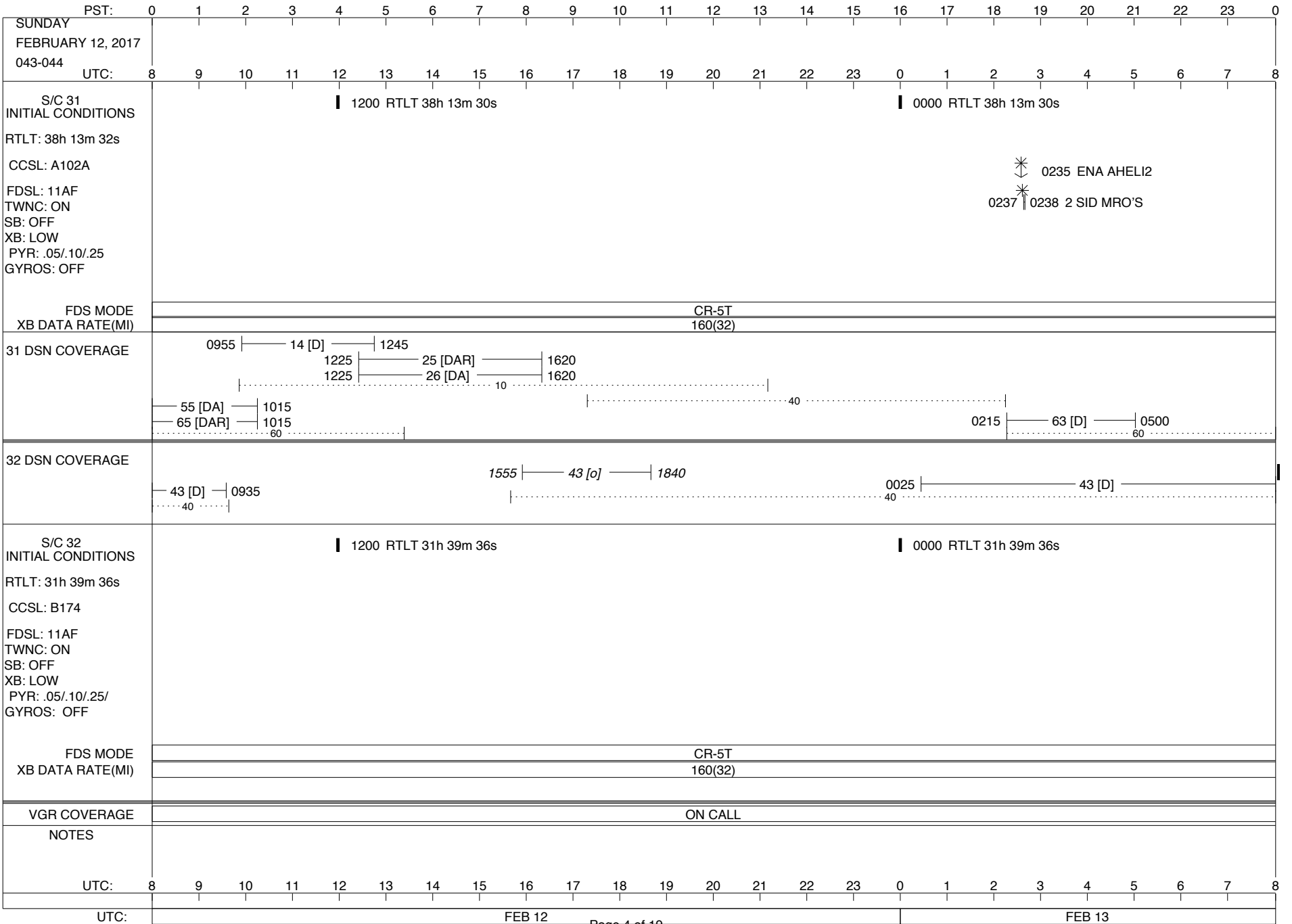
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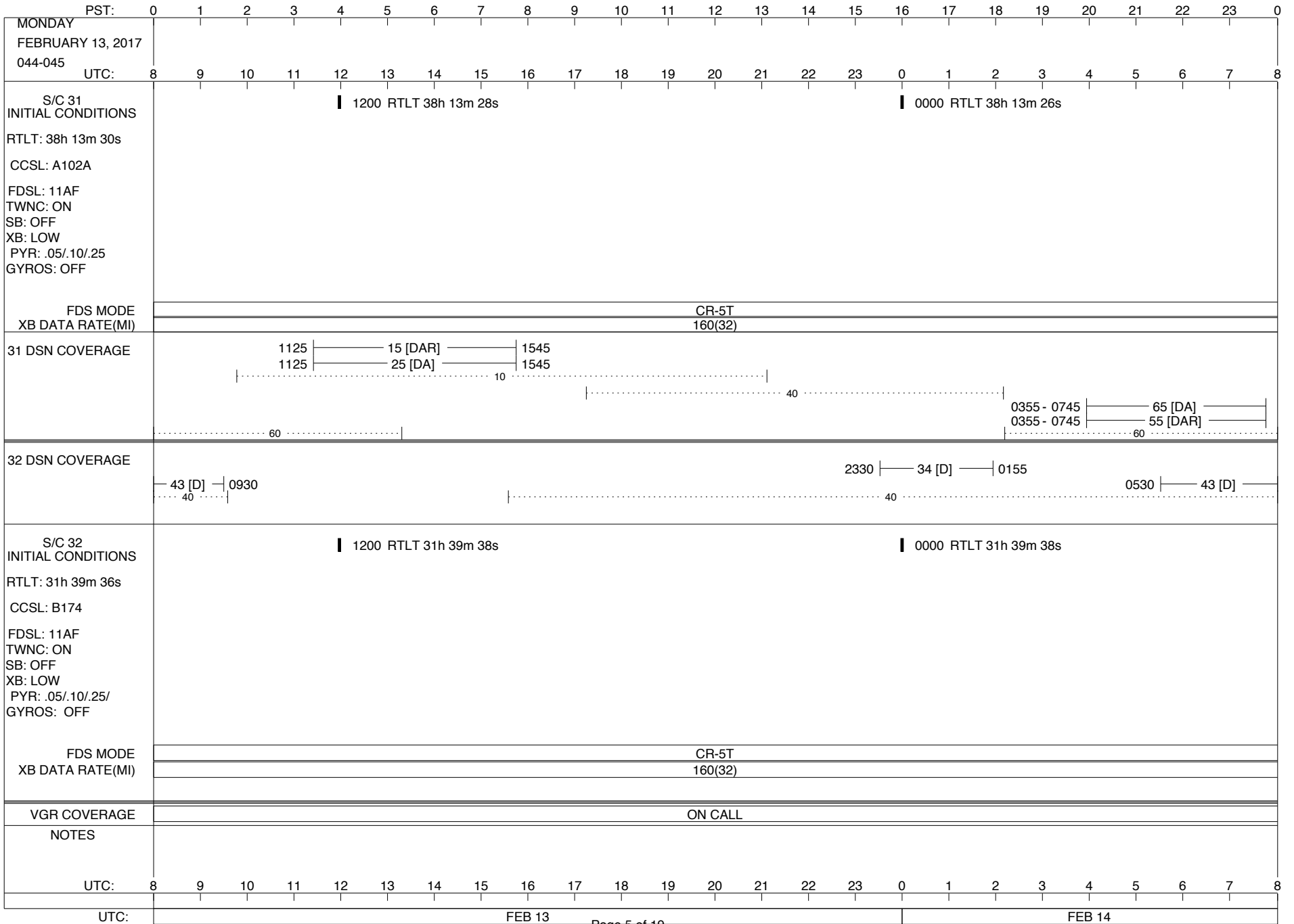
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FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	0955  ----- 14 -----  1245 1225  ----- 25 [DAR] -----  1610 1225  ----- 26 [D] -----  1610  ----- 10 -----   ----- 40 -----												0220 - 0725  ----- 63 [D] -----  55 [DA] 0705 65 [DAR] 0705 60												
32 DSN COVERAGE	43 [D]  ----- 0940 -----  40  ----- 40 -----												0030  ----- 43 [D] -----												
S/C 32 INITIAL CONDITIONS RTLT: 31h 39m 34s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 31h 39m 36s												█ 0000 RTLT 31h 39m 36s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES																									
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ISSUE DATE: 02/15/17 06:42



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ISSUE DATE: 02/15/17 06:42

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TUESDAY  
FEBRUARY 14, 2017  
045-046

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

1200 RTLT 38h 13m 24s

0000 RTLT 38h 13m 22s

RTLT: 38h 13m 26s

CCSL: A102A

FDSL: 11AF

TWNC: ON

SB: OFF

XB: LOW

PYR: .05/.10/.25

GYROS: OFF

U/L 1405 | - | - - - - - TLC (SHORT-FORM) - - - - -

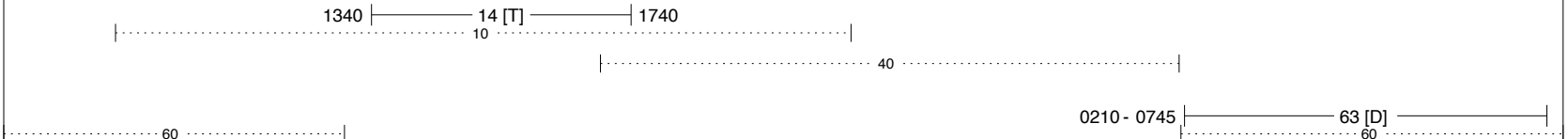
2012 | 2013 PWS/RH  
↓  
2012 GS-4B 2013

FDS MODE  
XB DATA RATE(MI)

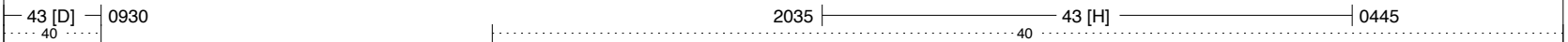
CR-5T  
160(32)

CR-5T  
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32  
INITIAL CONDITIONS

1200 RTLT 31h 39m 38s

0000 RTLT 31h 39m 38s

RTLT: 31h 39m 38s

CCSL: B174

FDSL: 11AF

TWNC: ON

SB: OFF

XB: LOW

PYR: .05/.10/.25/

GYROS: OFF

- ▼ 2220 DUMMY (06:00)
- ▼ 2238 CCS CLK RST (06:17)
- ▼ 0005 CCSTIM F/C (07:45)

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

VGR COVERAGE

ON CALL

VGR

ON CALL

VGR

ON CALL

NOTES

[1] S/C 31=GS-4B @ 2012 XB=2.8K(41) NOT RECOVERABLE

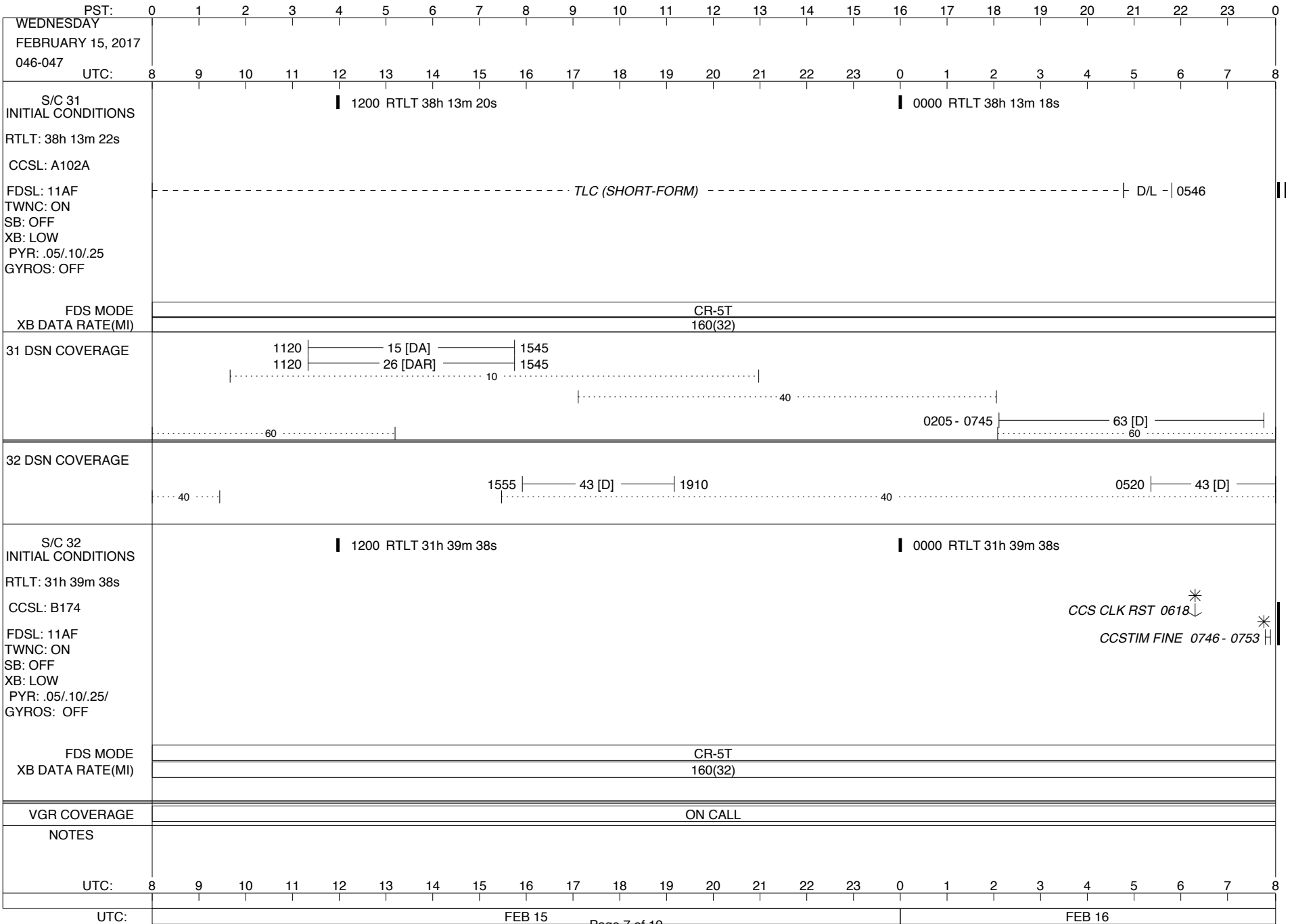
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FEB 14

FEB 15

ISSUE DATE: 02/15/17 06:42

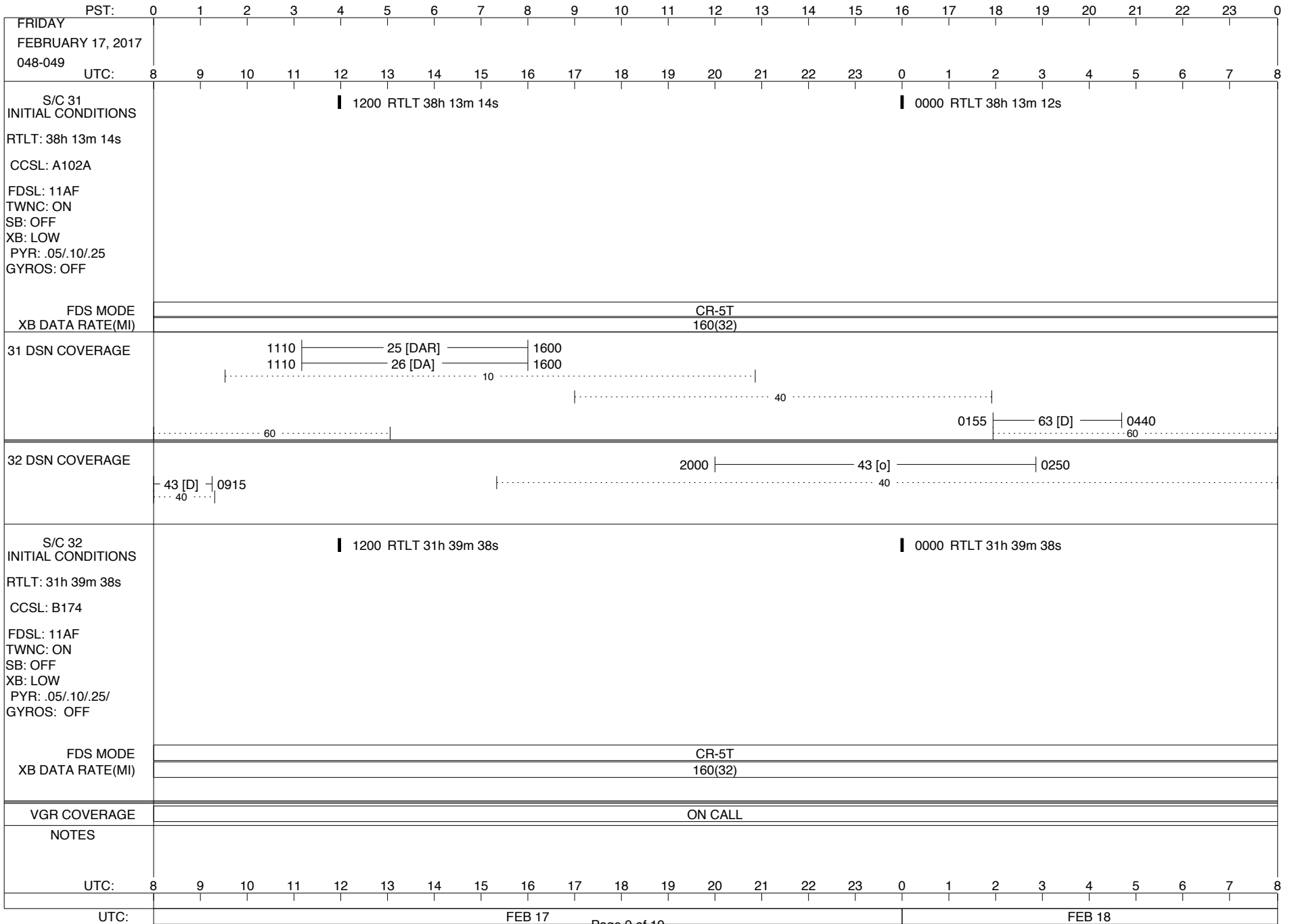




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FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1115  ----- 25 [DAR] -----  1545 1115  ----- 26 [DA] -----  1545 ..... ----- 10 -----  ..... ----- 40 -----  ..... ----- 60 -----												0200  ----- 63 [D] -----  0600 ..... ----- 60 -----												
32 DSN COVERAGE	43 [D]  ----- 0920 -----  ..... ----- 40 -----												0325  ----- 43 [D] -----  ..... ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 31h 39m 38s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 31h 39m 38s												█ 0000 RTLTL 31h 39m 38s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0226 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 16												FEB 17												

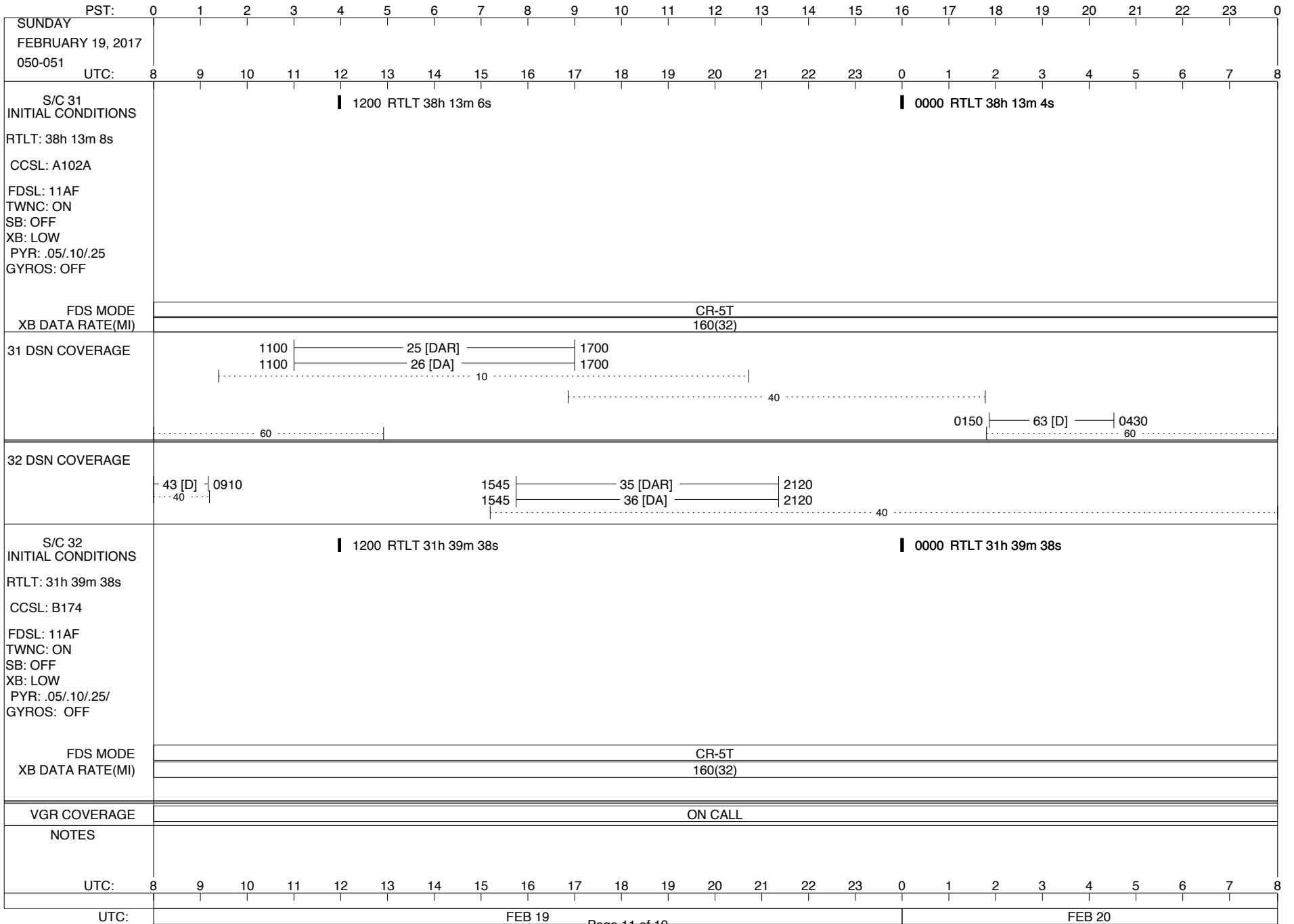
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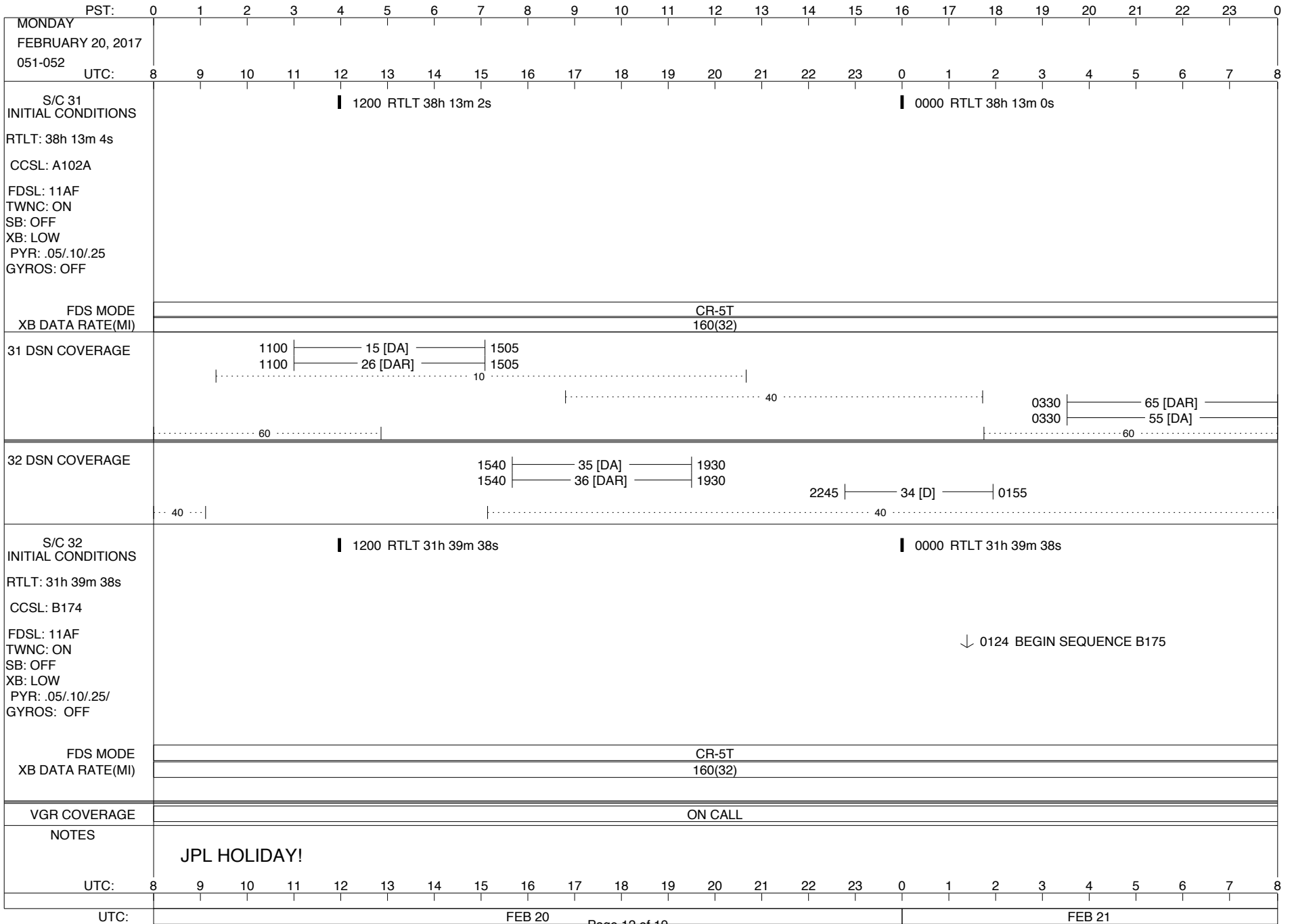
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S/C 31 INITIAL CONDITIONS	1200 RTLT 38h 13m 10s												0000 RTLT 38h 13m 8s													
RTLT: 38h 13m 12s																										
CCSL: A102A																										
FDSL: 11AF																										
TWNC: ON																										
SB: OFF																										
XB: LOW																										
PYR: .05/.10/.25																										
GYROS: OFF																										
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	<p>1105  ----- 25 [DAR] -----  1605  1105  ----- 26 [DA] -----  1605  ..... 10 .....  ..... 40 .....  ..... 60 .....  0155  ----- 63 [D] -----  0700  ..... 60 .....</p>																									
32 DSN COVERAGE	<p>..... 40 .....  1520  ----- 43 [D] -----  2010  ..... 40 .....  0045  ----- 43 [D] -----  0700  ..... 60 .....</p>																									
S/C 32 INITIAL CONDITIONS	1200 RTLT 31h 39m 38s												0000 RTLT 31h 39m 38s													
RTLT: 31h 39m 38s																										
CCSL: B174																										
FDSL: 11AF																										
TWNC: ON																										
SB: OFF																										
XB: LOW																										
PYR: .05/.10/.25/																										
GYROS: OFF																										
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 @ 0525 XB=2.8K(41) NOT RECOVERABLE																									
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ISSUE DATE: 02/15/17 06:42



ISSUE DATE: 02/15/17 06:42



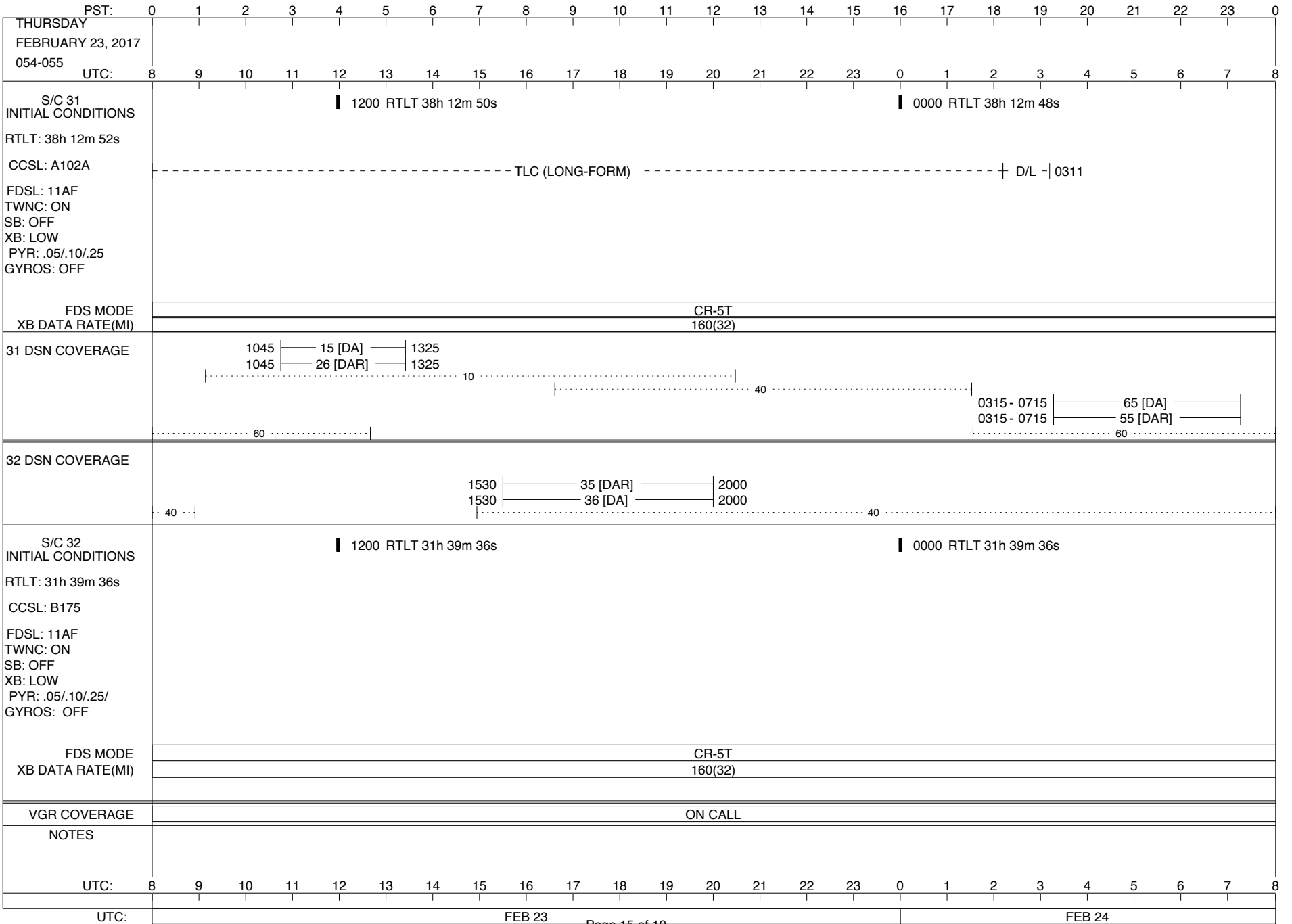
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FDS MODE	CR-5T						CR-5T						CR-5T												
XB DATA RATE(MI)	160(32)						160(32)						160(32)												
31 DSN COVERAGE	.....  10  .....												.....  40  .....												
	0845 65 [DAR]						0845 55 [DA]						0140   63 [D]   0630												
	.....  60  .....						.....  60  .....						.....  60  .....												
32 DSN COVERAGE	.....  40  .....												.....  40  .....												
	1535   34 [DA]   2045						1535   36 [DAR]   2045																		
S/C 32 INITIAL CONDITIONS RTLT: 31h 39m 38s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 39m 38s												0000 RTLT 31h 39m 38s												
FDS MODE	CR-5T						CR-5T						CR-5T												
XB DATA RATE(MI)	160(32)						160(32)						160(32)												
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 32=EL-40 @ 1809 XB=40(30)												[2] S/C 32=CR-5T @ 1849 XB=160(32)												
	[3] S/C 31=GS-4B @ 1948 XB=2.8K(41) NOT RECOVERABLE												[4] S/C 31=EK-40 @ 0223 XB=40(30)												
	[5] S/C 31=CR-5T @ 0255 XB=160(32)																								
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
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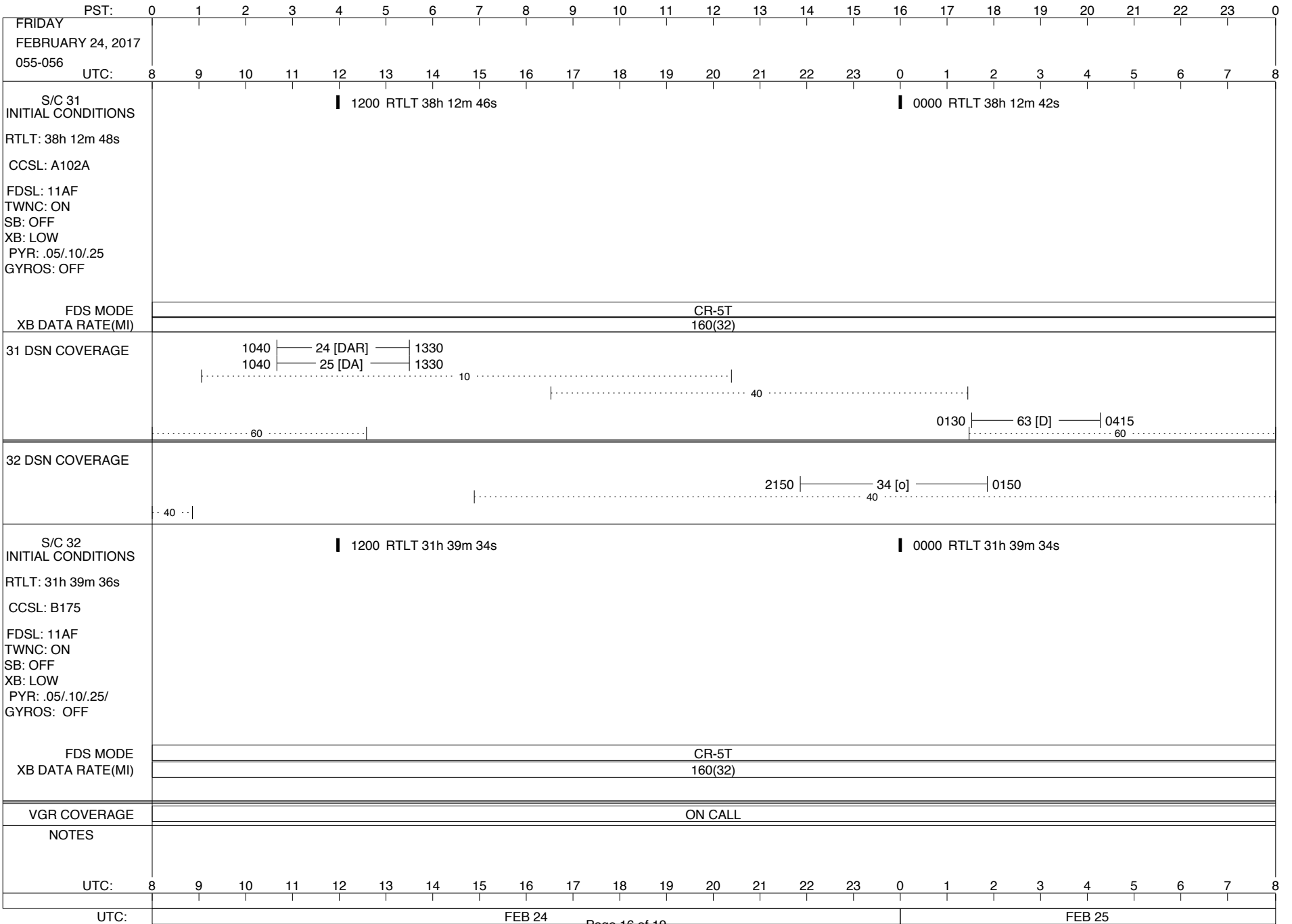
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S/C 31 INITIAL CONDITIONS RTLTL: 38h 12m 56s CCSL: A102A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLTL 38h 12m 54s</p> <p>0000 RTLTL 38h 12m 52s</p> <p>U/L 1130   -   ----- TLC (LONG-FORM) -----</p> <p>▼ 1330 DUMMY (03:43)</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<p>0920  ----- 14 [T] -----  1345</p> <p>..... 10 .....</p> <p>..... 40 .....</p> <p>..... 60 .....</p> <p>0140  ----- 63 [D] -----  0550</p> <p>..... 60 .....</p>
32 DSN COVERAGE	<p>..... 40 .....</p> <p>1530  ----- 34 [DA] -----  1745</p> <p>1530  ----- 35 [DAR] -----  1745</p> <p>2155  ----- 34 [D] -----  0155</p> <p>..... 40 .....</p>
S/C 32 INITIAL CONDITIONS RTLTL: 31h 39m 38s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<p>1200 RTLTL 31h 39m 36s</p> <p>0000 RTLTL 31h 39m 36s</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
VGR COVERAGE	ON CALL   VGR   ON CALL
NOTES	
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UTC: FEB 22   FEB 23	

ISSUE DATE: 02/15/17 06:42

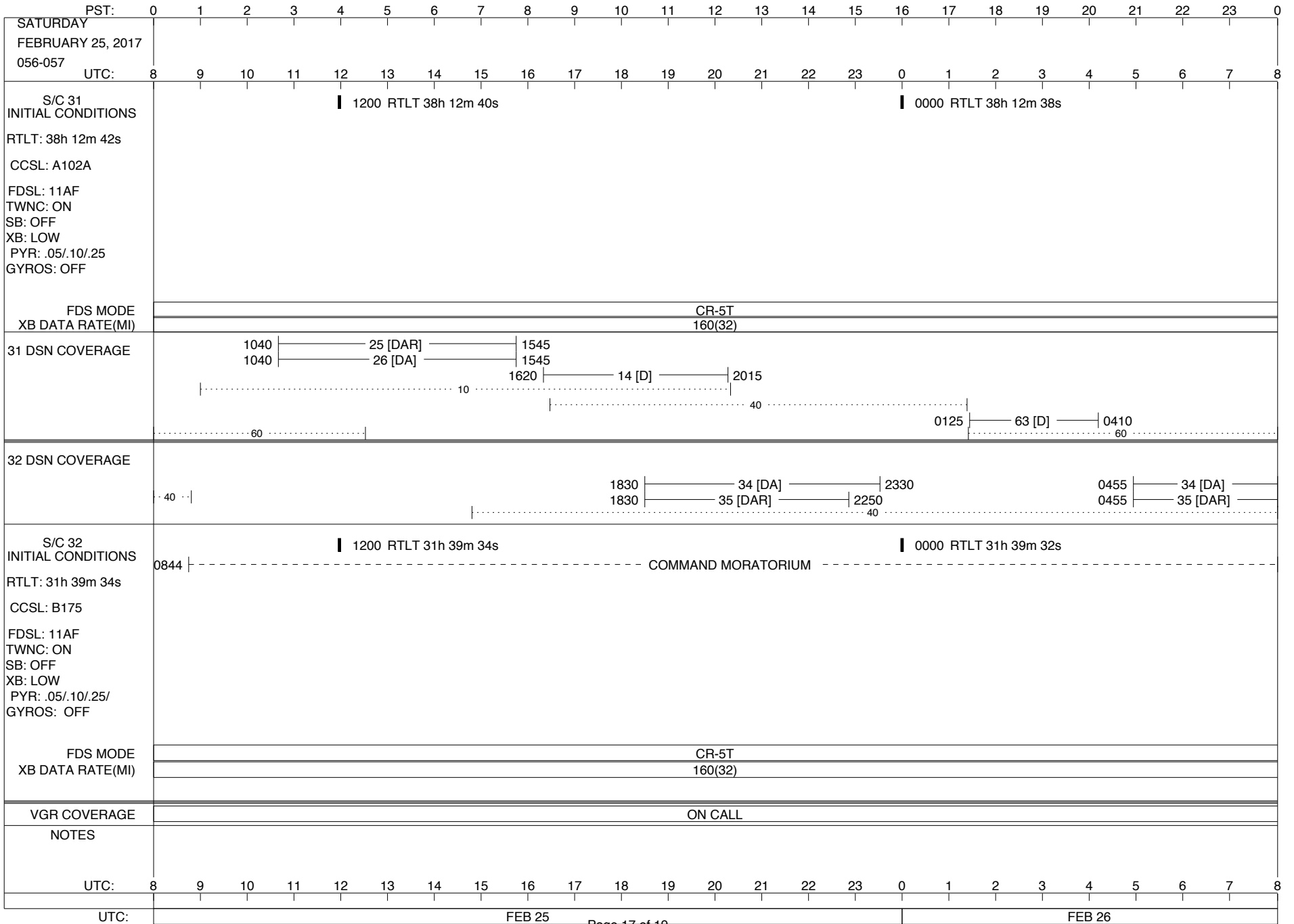




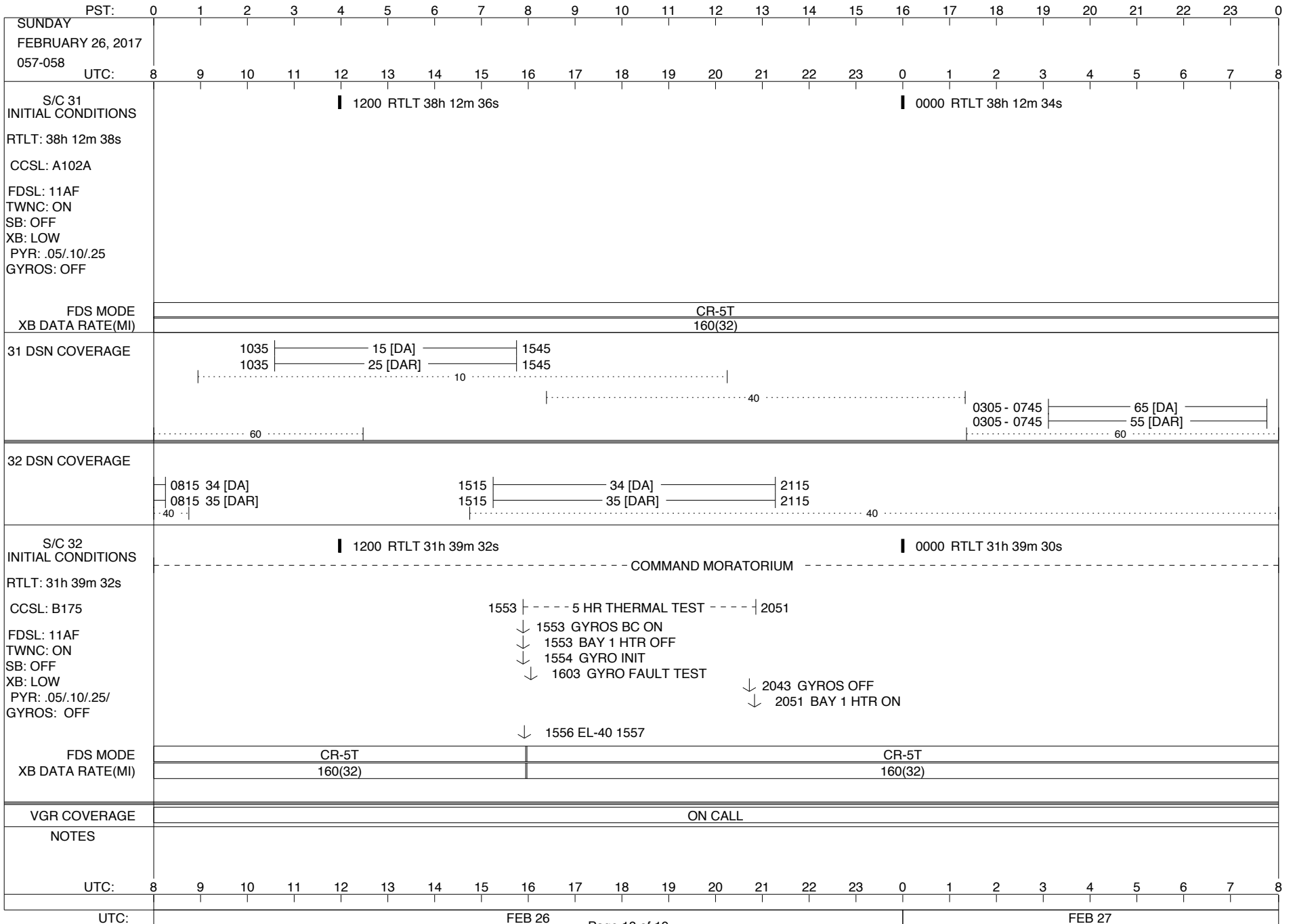
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