

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: January 9, 2013

For the Period: 01/10/13 to 01/28/13 (13-010 – 13-028)

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

**SCIENCE**

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

**DSOT (1) 230-102**

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 \*Leonard.F.Burlaga@nasa.gov  
 \*Donald-Gurnett@uiowa.edu

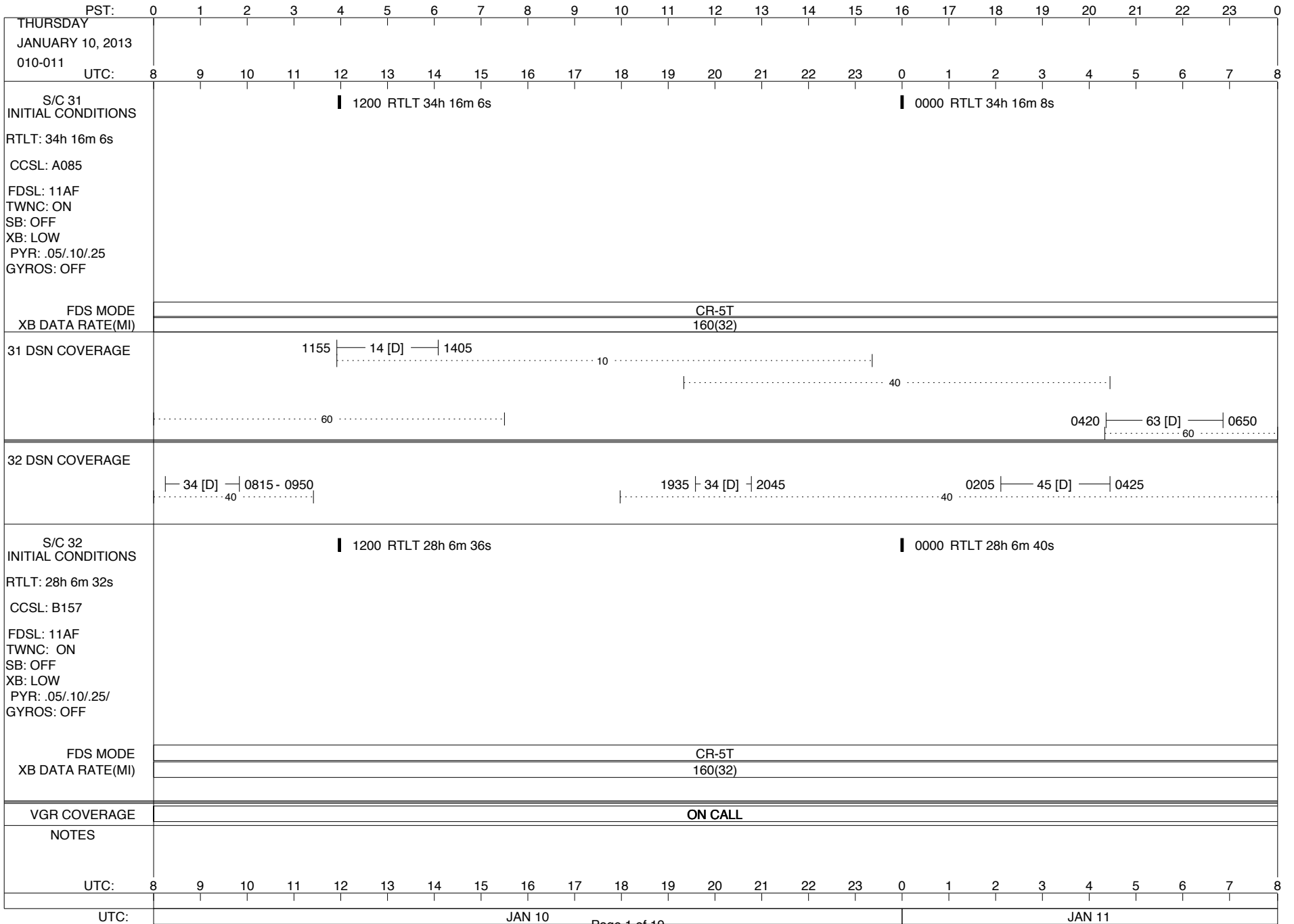
Dodd, S.  
 Hall, J.  
 Howard, S. (3)  
 Ludwig, R. (2)  
 Matsumoto, S.  
 Medina, E.  
 Peralta, F.  
 Weeks, T.  
 Wong, R.  
 Yang, L  
 Zottarelli, L.  
 \*odivers1@san.rr.com

**OTHER**

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 \* 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

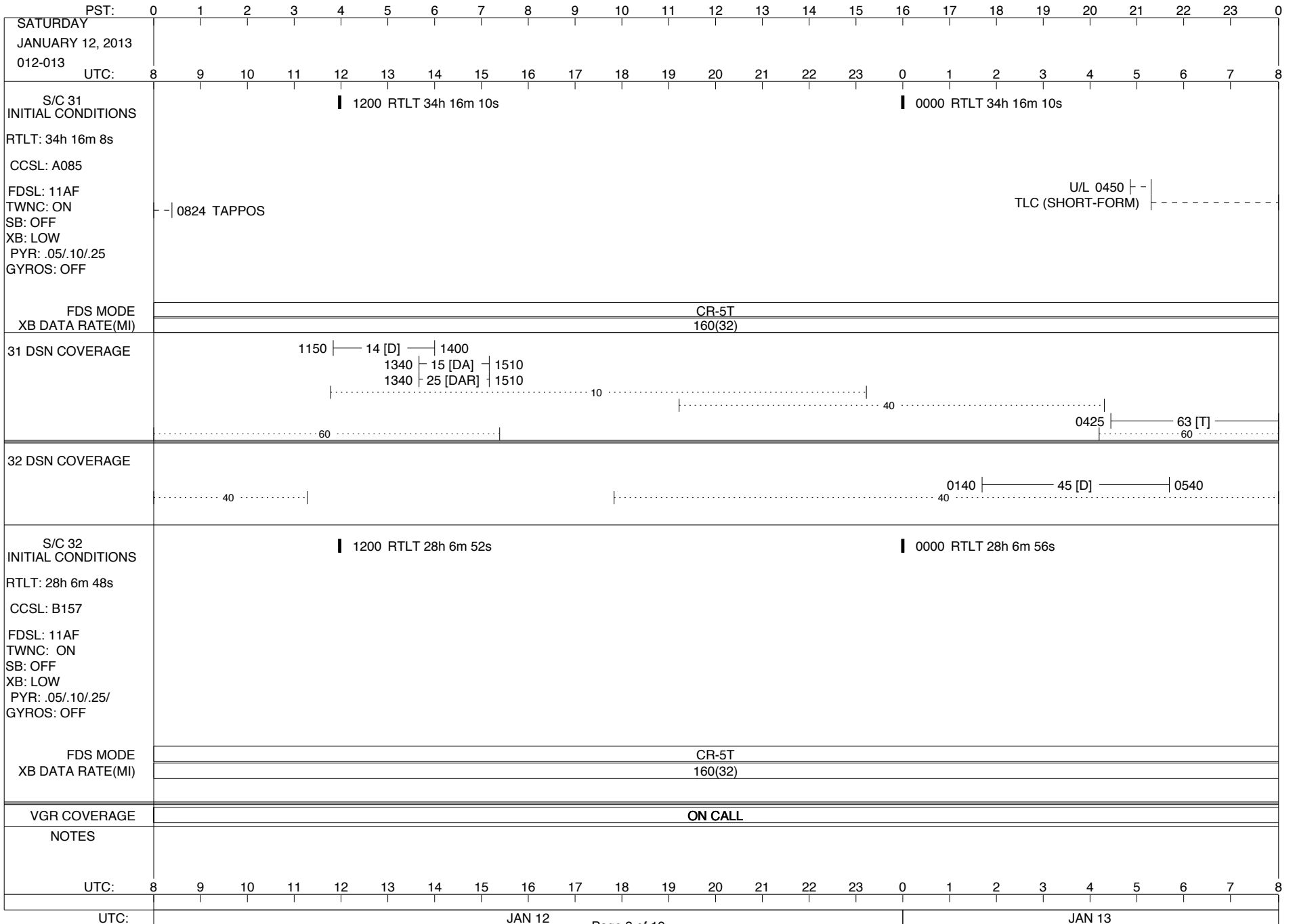
\*Electronic Copy Only  
 (16 – Dist/N: Paper Copies)  
 09/08/10



ISSUE DATE: 01/09/13 16:59

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S/C 31 INITIAL CONDITIONS RTLT: 34h 16m 8s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 34h 16m 8s												█ 0000 RTLT 34h 16m 8s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1155  ----- 14 [D] -----  1400												0415  ----- 63 [D] -----  0650												
32 DSN COVERAGE	40  -----												0255  ----- 45 [D] -----  0500												
S/C 32 INITIAL CONDITIONS RTLT: 28h 6m 40s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 28h 6m 44s												█ 0000 RTLT 28h 6m 48s												
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 @ 0438 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
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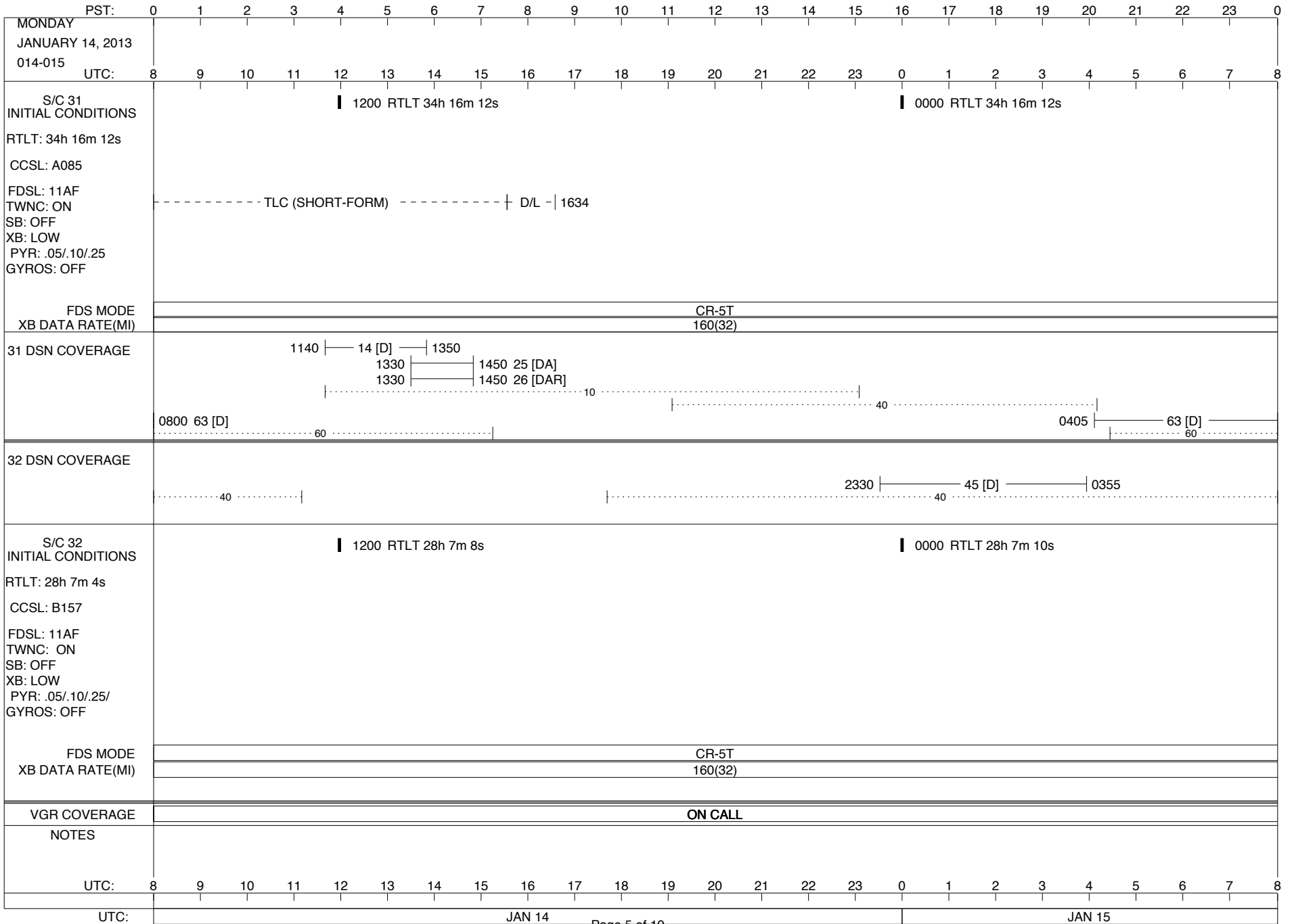
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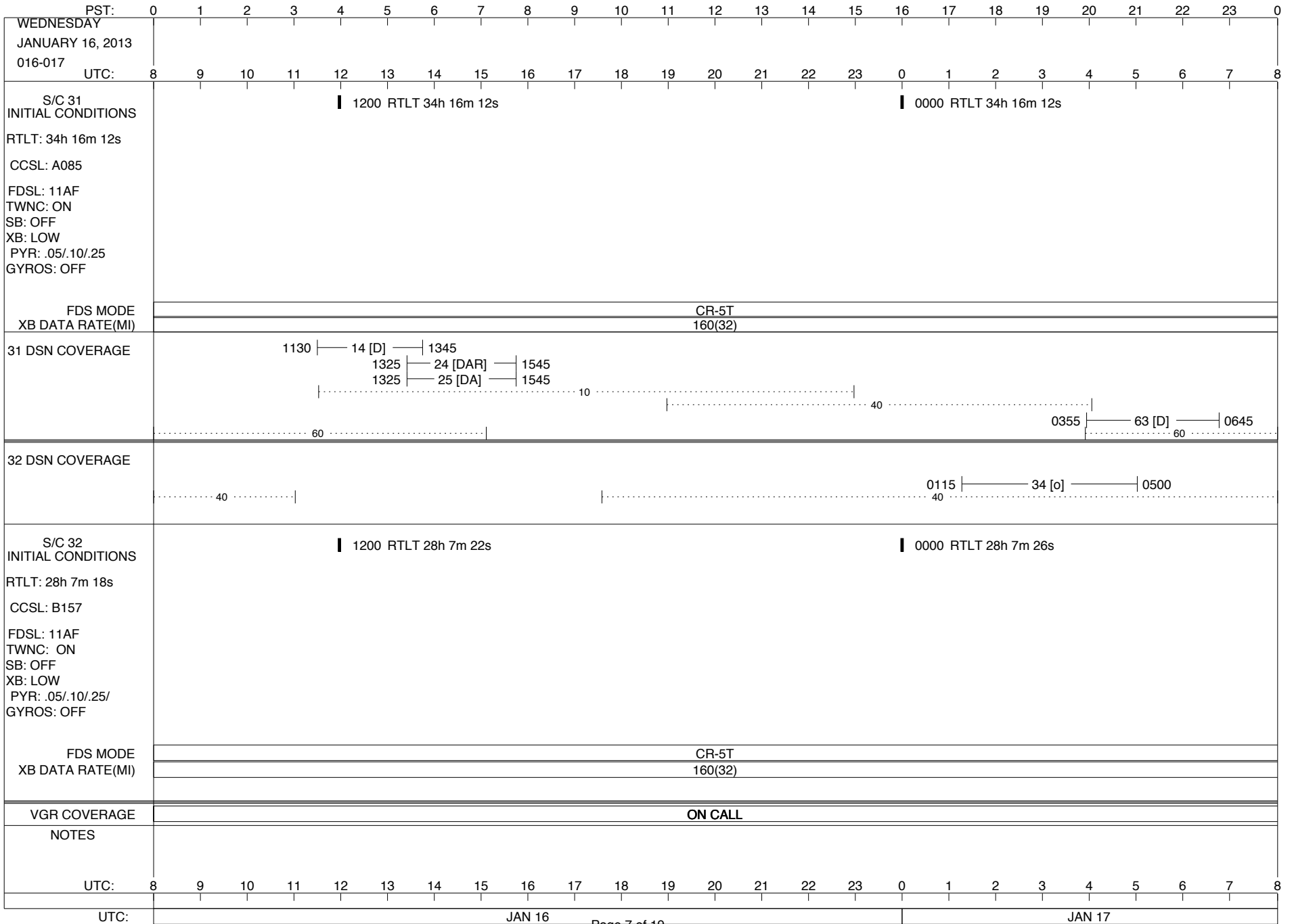
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----- TLC (SHORT-FORM) -----																												
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	.....  10 .....												.....  40 .....															
	0810 63 [T].....  60 .....												0430 - 0800  .....  63 [D] .....															
32 DSN COVERAGE	.....  40 .....												0135  .....  45 [D] .....															
S/C 32 INITIAL CONDITIONS RTLT: 28h 6m 56s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 28h 7m 0s												█ 0000 RTLT 28h 7m 4s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												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			
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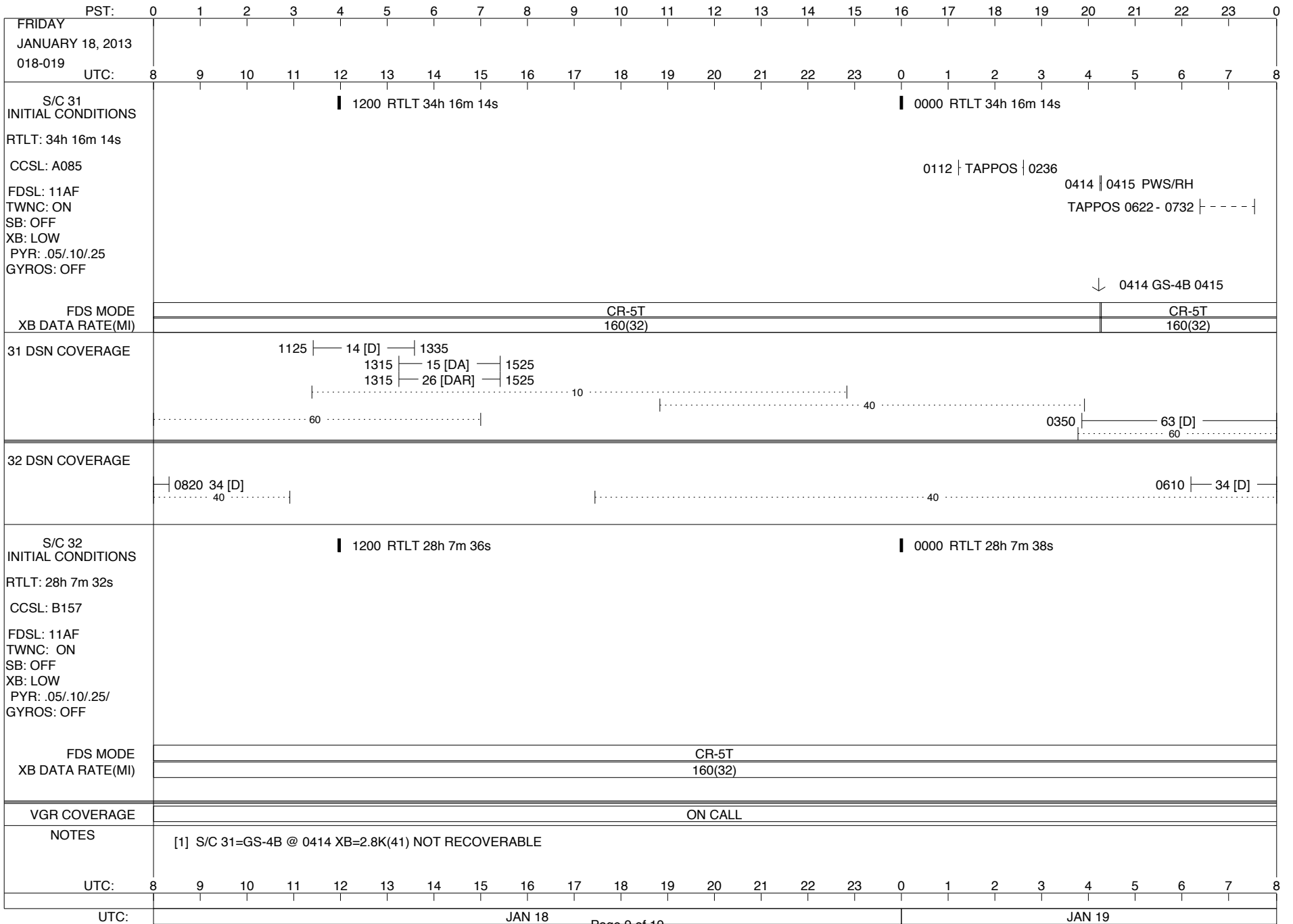
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S/C 31 INITIAL CONDITIONS RTLT: 34h 16m 12s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: right;">0000 RTLT 34h 16m 12s</div> <div style="text-align: center;">2214   2215 PWS/RH</div> <div style="text-align: center;">↓ 2214 GS-4B 2215</div>																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)											CR-5T 160(32)													
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">             1230   25 [DA]   1545              1230   26 [DAR]   1545           </div> <div style="text-align: center;">             ..... 10 .....              ..... 40 .....           </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="text-align: center;">63 [D]   0900 60  </div> <div style="text-align: center;">0400   63 [D]   0645 60</div> </div>																								
32 DSN COVERAGE	<div style="text-align: center; margin-top: 20px;">             ..... 40 .....              ..... 2135   45 [D]   0035 .....              ..... 40 .....           </div>																								
S/C 32 INITIAL CONDITIONS RTLT: 28h 7m 10s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 7m 14s											0000 RTLT 28h 7m 18s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 2214 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:	JAN 15													JAN 16											



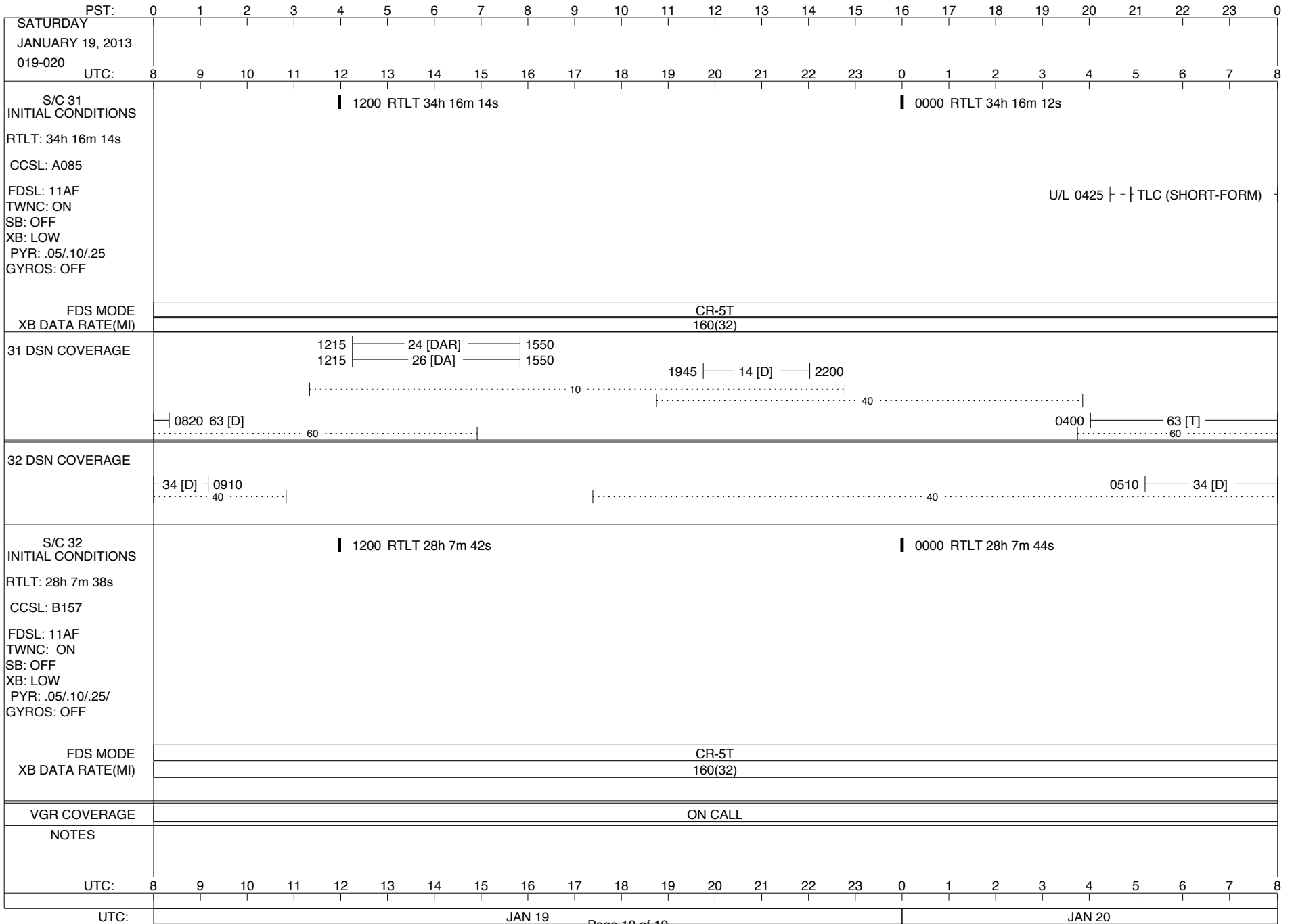


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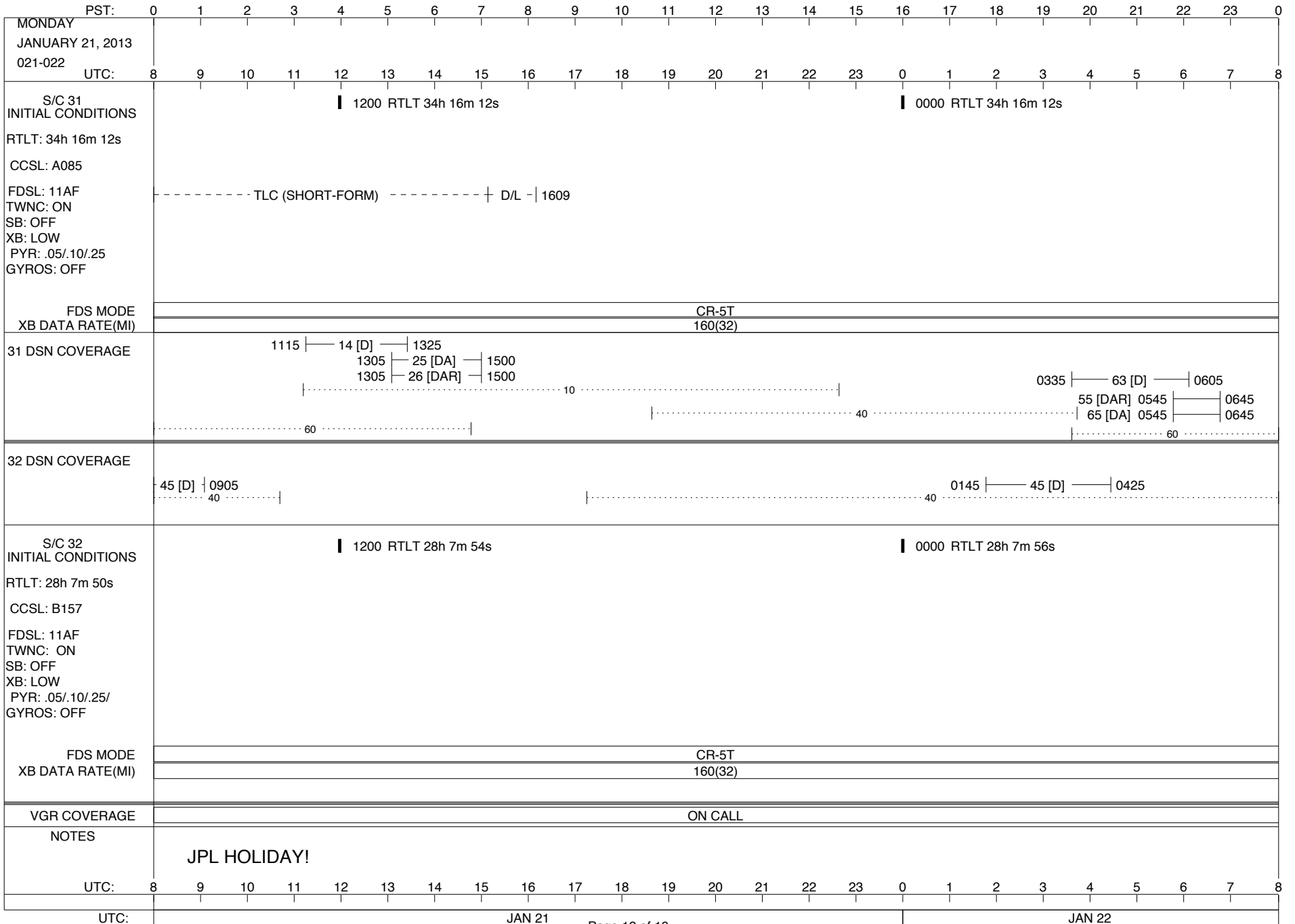
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S/C 31 INITIAL CONDITIONS RTLTL: 34h 16m 12s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 34h 16m 12s												█ 0000 RTLTL 34h 16m 14s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	1145  -----  14  -----  1545												-----  10  -----  40  -----  60												
32 DSN COVERAGE	-----  40  -----												-----  40  -----  0530  -----  34 [D]  -----												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 7m 26s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 28h 7m 28s												█ 0000 RTLTL 28h 7m 32s												
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
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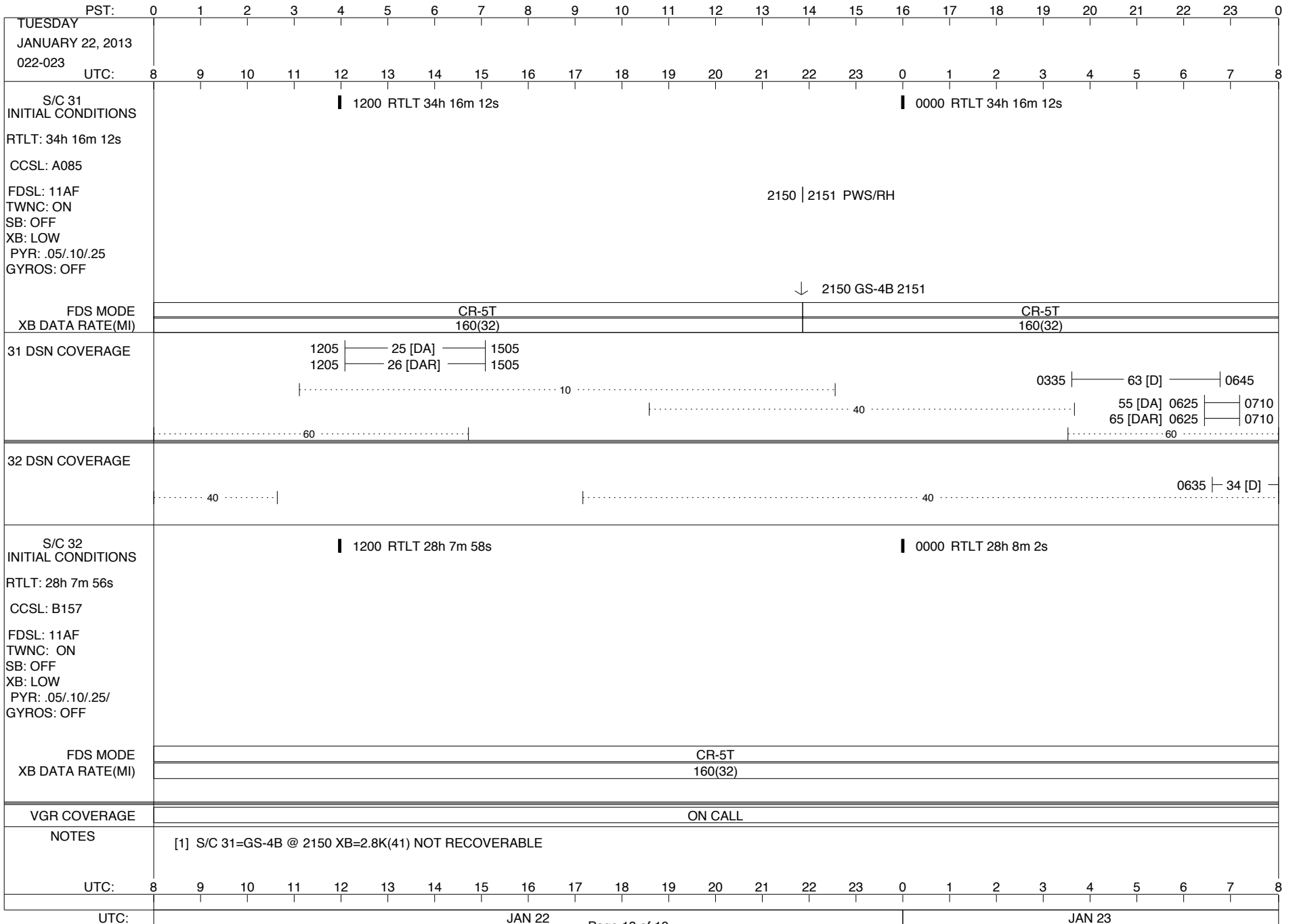


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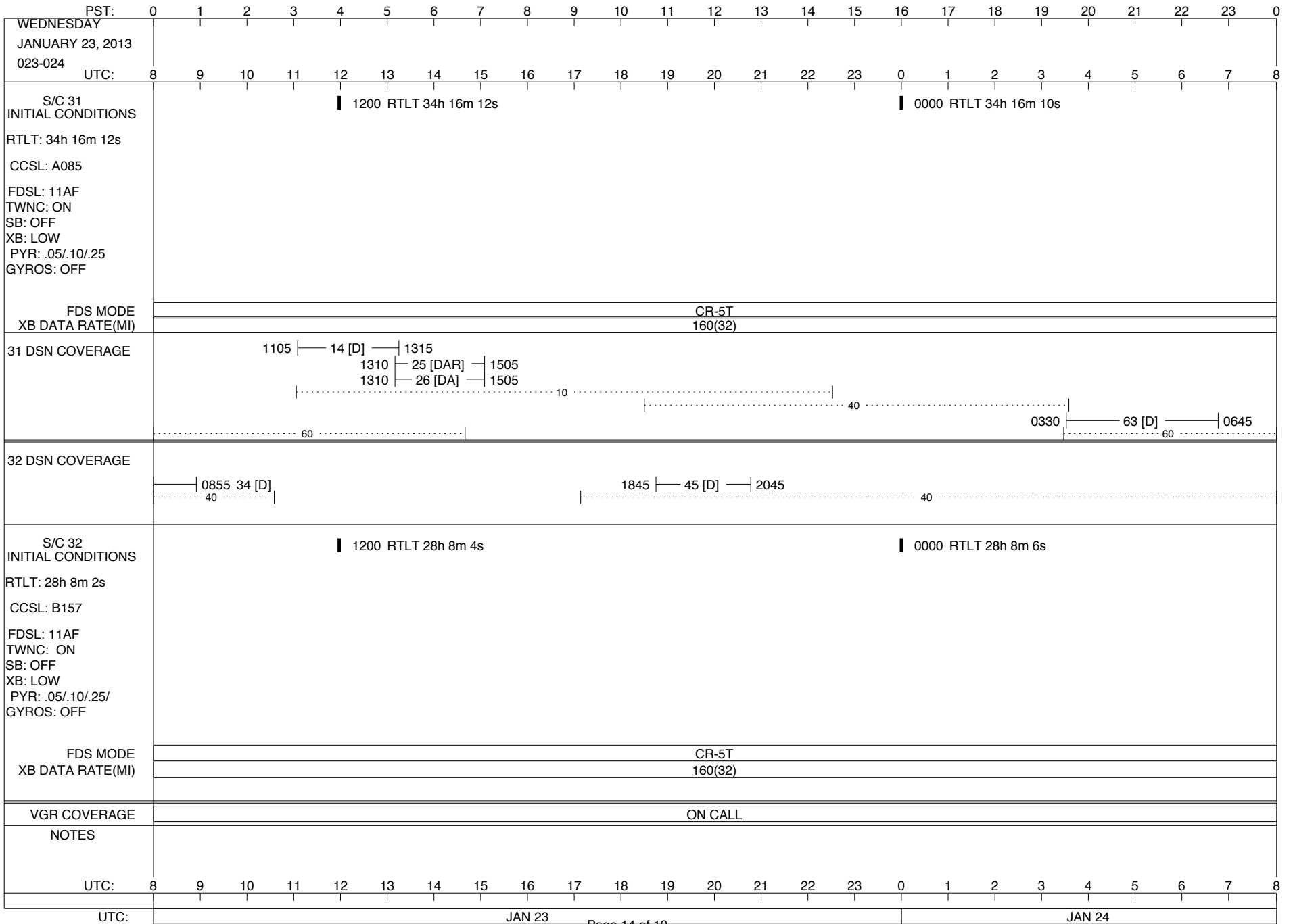


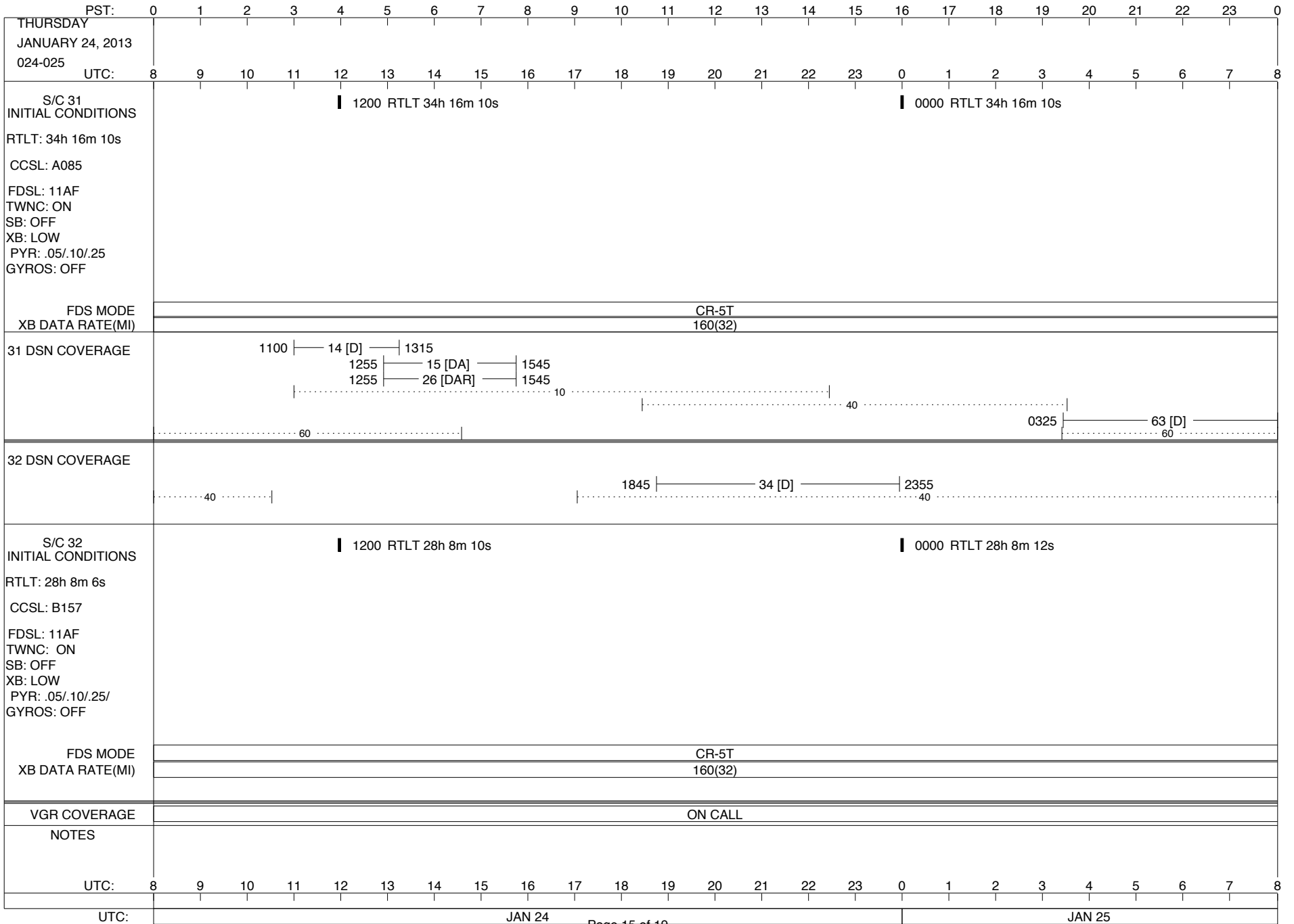
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S/C 31 INITIAL CONDITIONS	█ 1200 RTLT 34h 16m 12s												█ 0000 RTLT 34h 16m 12s															
RTLT: 34h 16m 12s																												
CCSL: A085																												
FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	----- TLC (SHORT-FORM) -----																											
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
31 DSN COVERAGE	<p>1120  ----- 14 [D]  ----- 1500</p> <p>1440  ----- 24 [DA]  ----- 1645</p> <p>1440  ----- 26 [DAR]  ----- 1645</p> <p>----- 10 -----</p> <p>----- 40 -----</p> <p>----- 60 -----</p> <p>0815 63 [T]  ----- 60 -----</p>																											
32 DSN COVERAGE	<p>----- 40 -----</p> <p>34 [D]   0910  ----- 40 -----</p> <p>----- 40 -----</p> <p>0505  ----- 45 [D]  -----</p>																											
S/C 32 INITIAL CONDITIONS	█ 1200 RTLT 28h 7m 48s												█ 0000 RTLT 28h 7m 50s															
RTLT: 28h 7m 44s																												
CCSL: B157																												
FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF																												
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:	JAN 20														JAN 21													





ISSUE DATE: 01/09/13 16:59







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S/C 31 INITIAL CONDITIONS RTLTL: 34h 16m 10s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 34h 16m 10s														0000 RTLTL 34h 16m 8s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE	<p>1100   14 [D]   1305                      1245   25 [DA]   1505                      1245   26 [DAR]   1505</p> <p>0805 63 [D] ..... 40 ..... 0335   63 [T] ..... 60</p>																											
32 DSN COVERAGE	<p>..... 40 ..... 1835   34 [D] ..... 2310 ..... 40</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 28h 8m 12s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 8m 14s														0000 RTLTL 28h 8m 16s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	ON CALL														VGR													
NOTES	[1] S/C 31=GS-4B @ 0350 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:	JAN 25														JAN 26													

