

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: December 21, 2011

For the Period: 12/22/2011 to 01/16/2012 (11-356 – 12-016)

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

**SCIENCE**

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

**DSOT (1) 230-102**

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 PWS \*wsk@space.physics.uiowa.edu  
 \*Leonard.F.Burlaga@nasa.gov  
 \*Donald-Gurnett@uiowa.edu

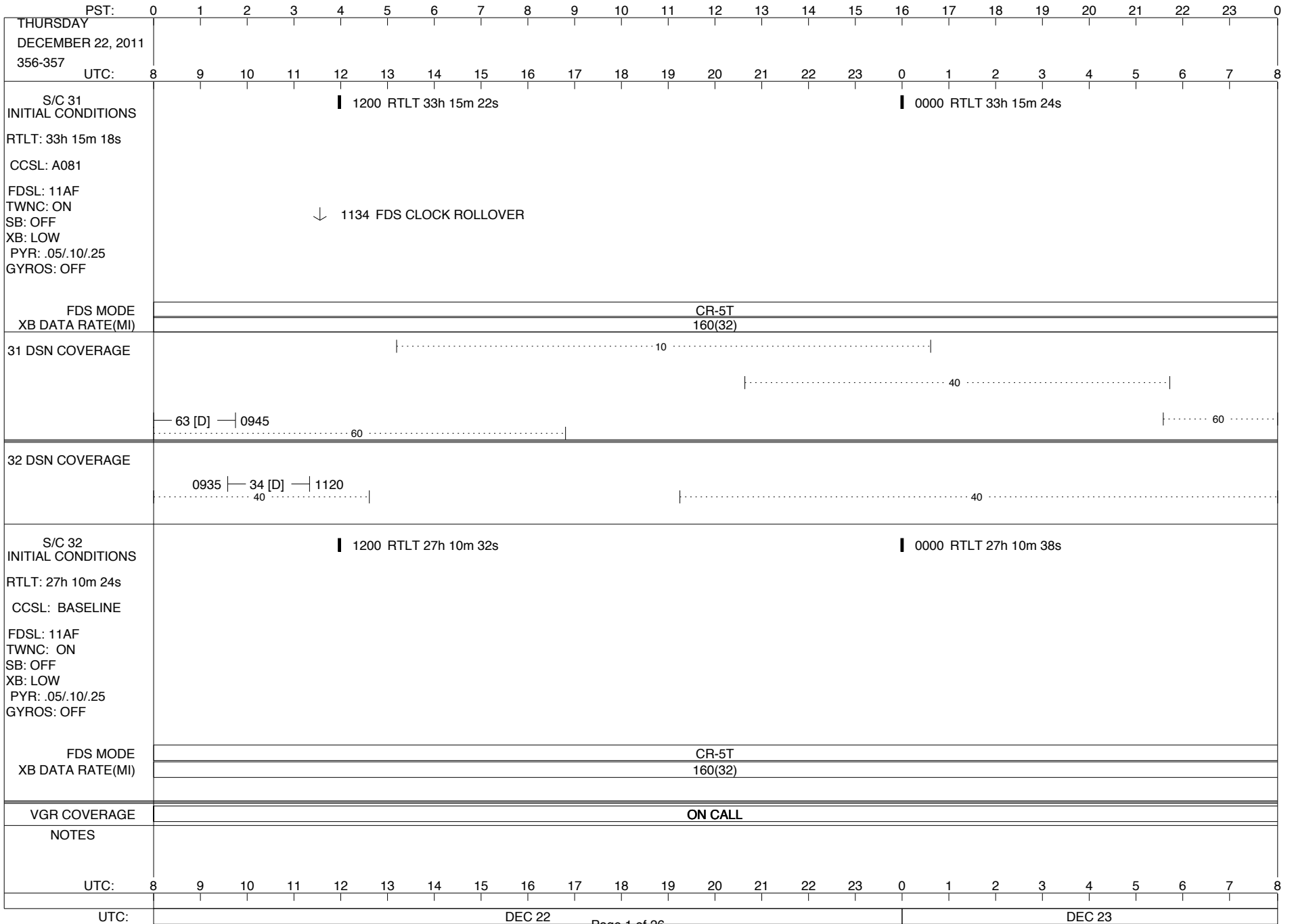
Dodd, S.  
 Hall, J.  
 Howard, S. (3)  
 Ludwig, R. (2)  
 Matsumoto, S.  
 Medina, E.  
 Peralta, F.  
 Weeks, T.  
 Wong, R.  
 Yang, L  
 Zottarelli, L.  
 \*odivers1@san.rr.com

**OTHER**

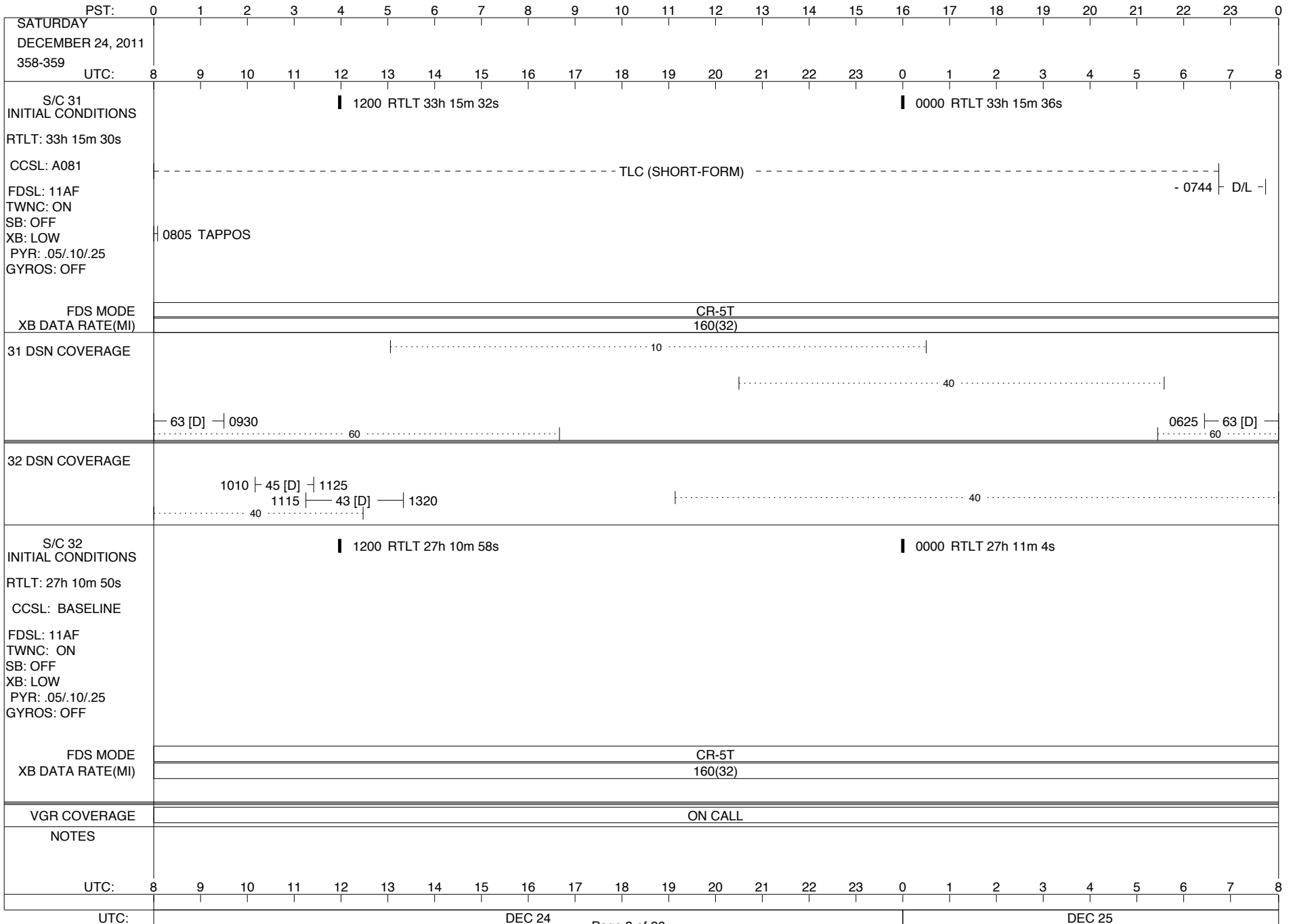
\* KMassej@jgld.gdscc.nasa.gov  
 \* Belinda.Arroyo@jpl.nasa.gov  
 \* !DL-DSN-MPSETA@dsn.nasa.gov

**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

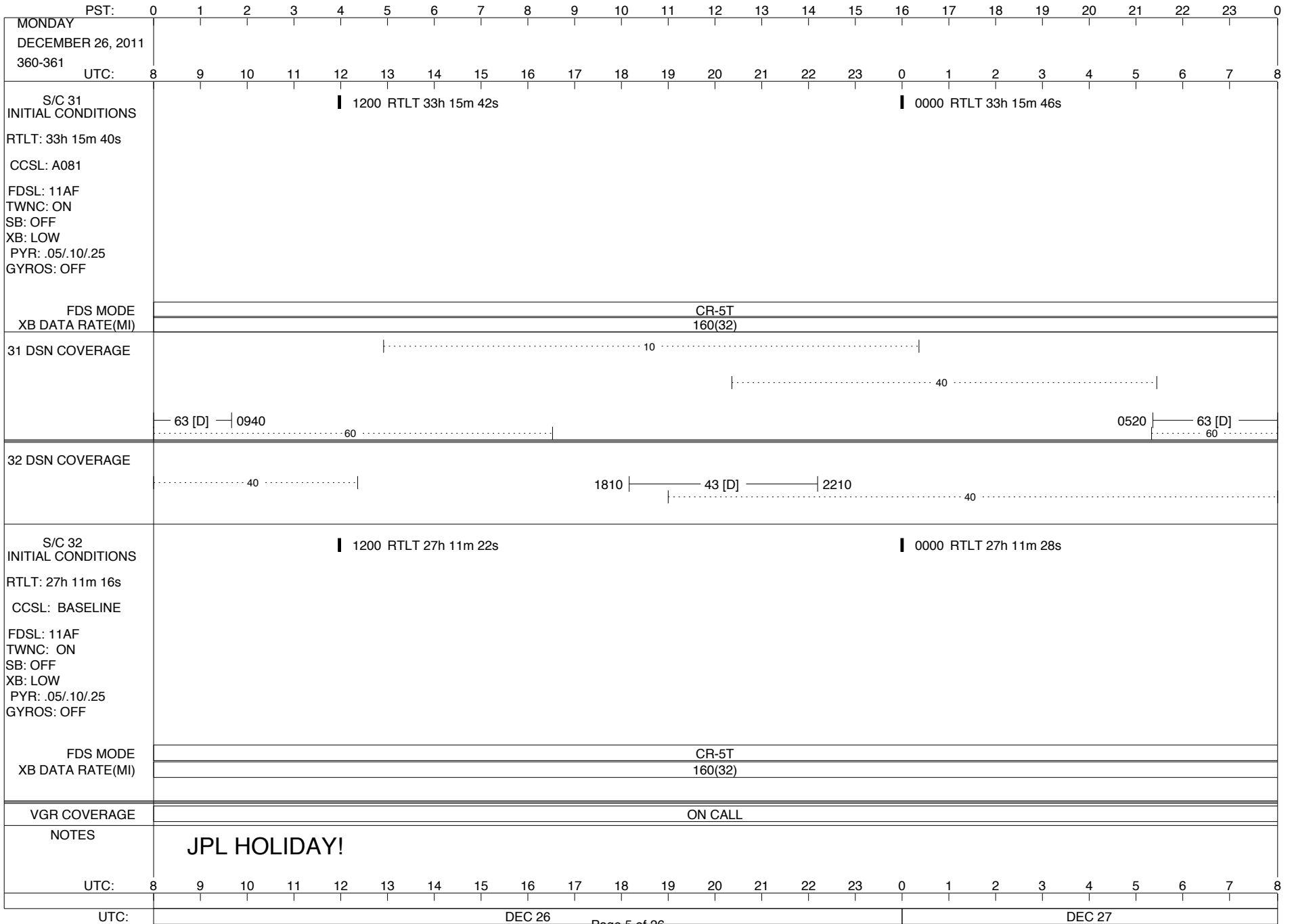
\*Electronic Copy Only  
 (16 – Dist/N: Paper Copies)  
 09/08/10



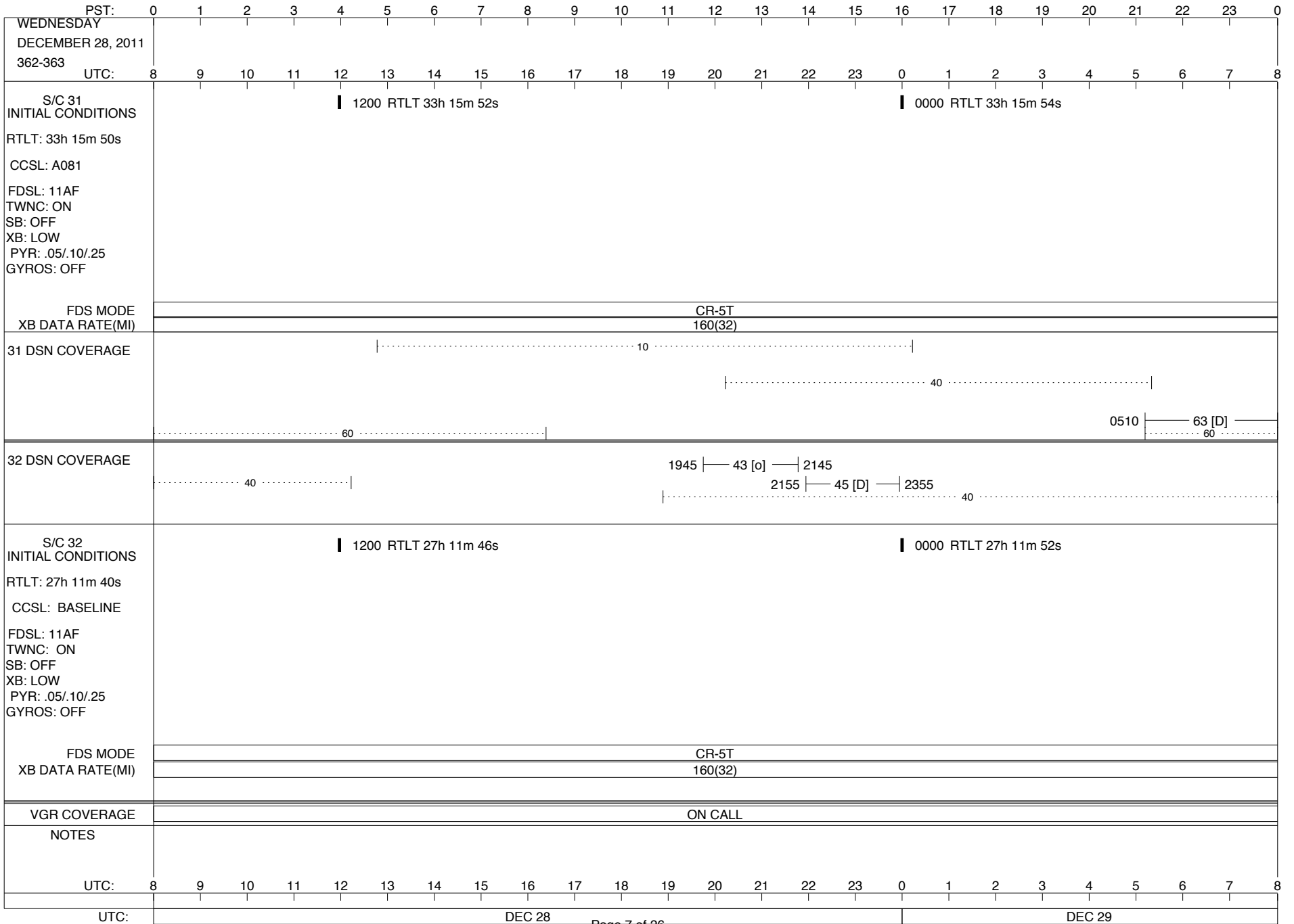
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S/C 31 INITIAL CONDITIONS RTLTL: 33h 15m 24s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 15m 26s												0000 RTLT 33h 15m 30s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1745  -----  14 [T]  -----  2130												0530  -----  63 [D]  -----												
32 DSN COVERAGE	0920  -----  43 [o]  -----  1325																								
S/C 32 INITIAL CONDITIONS RTLTL: 27h 10m 38s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 27h 10m 44s												0000 RTLT 27h 10m 50s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL												VGR ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0543 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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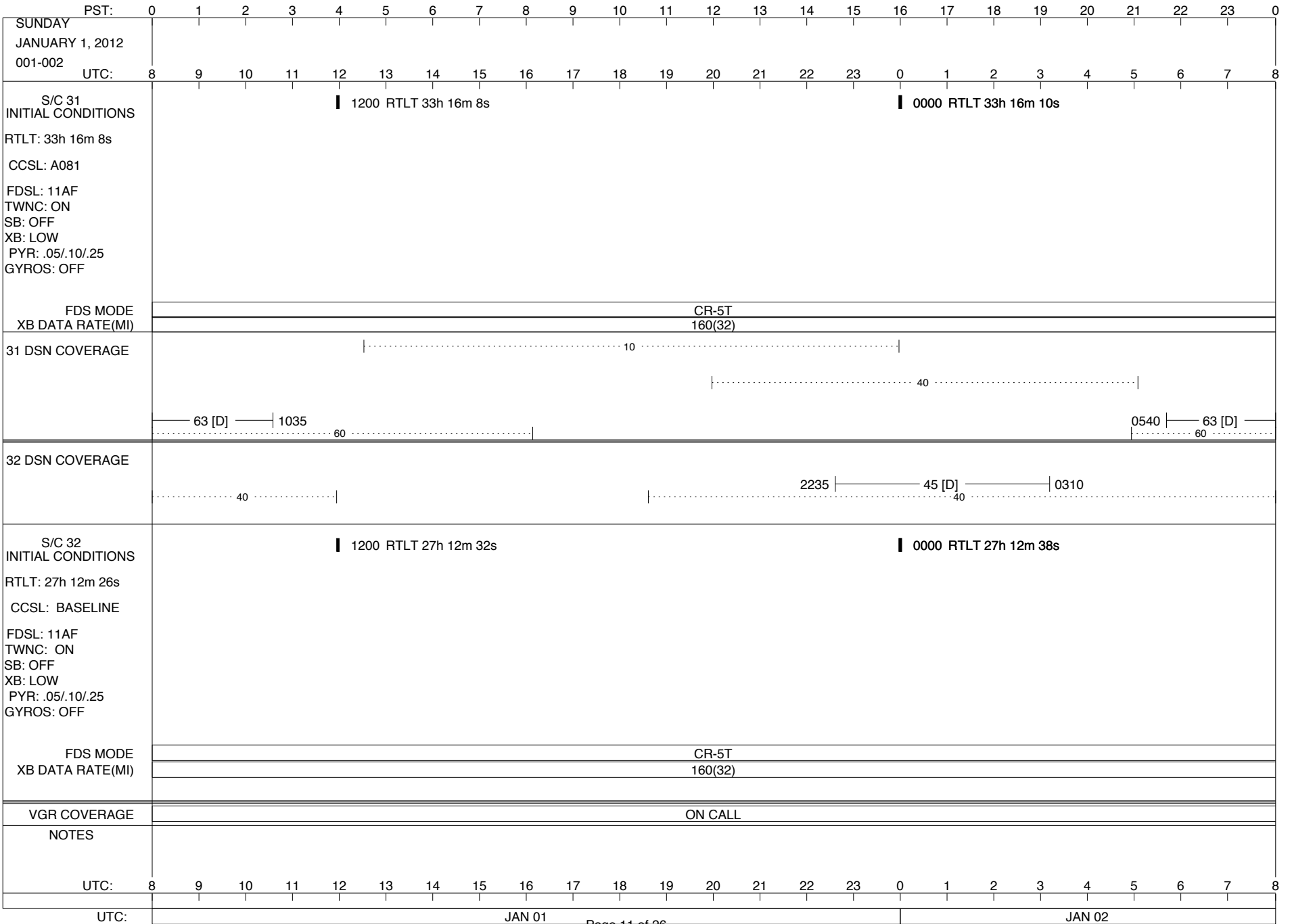


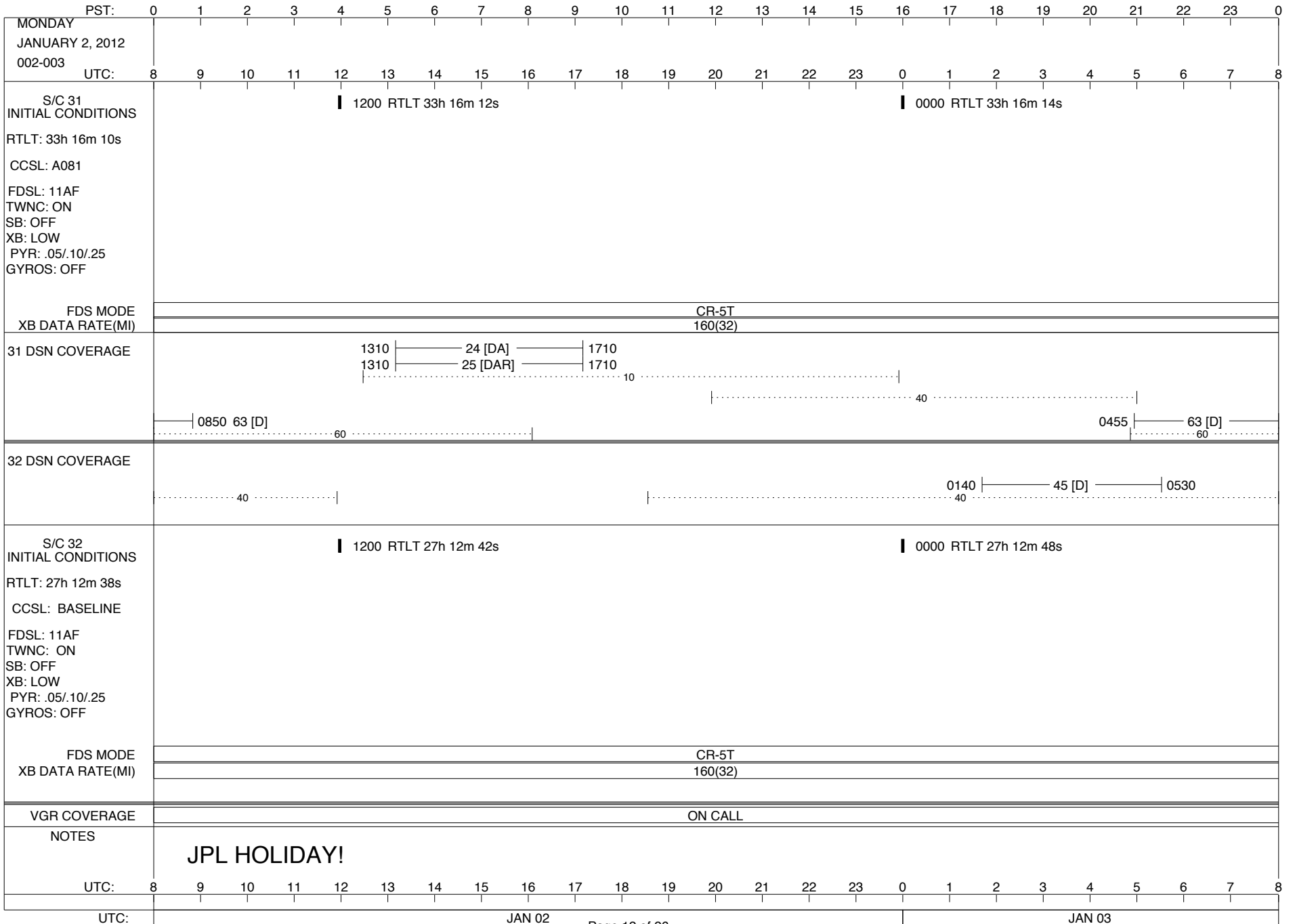


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S/C 31 INITIAL CONDITIONS RTLTL: 33h 16m 0s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 33h 16m 2s												0000 RTLTL 33h 16m 4s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	.....10.....												.....40.....												
	-63 [D] - 0915.....60.....												.....0635   -63 [D] - .....60.....												
32 DSN COVERAGE	.....40.....												.....2245  -----43 [D] ----- 0245.....40.....												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 12m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 27h 12m 10s												0000 RTLTL 27h 12m 16s												
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 @ 0520 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:	DEC 30												DEC 31												

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
SATURDAY DECEMBER 31, 2011 365-001	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: 33h 16m 4s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 16m 6s												0000 RTLTL 33h 16m 8s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	1850  -----  14 [D]  -----  2150 10  -----  40												63 [D]  -----  1015 60  -----  0635  -----  63 [D] 60												
32 DSN COVERAGE	40  -----  2300  -----  43 [o1]  -----  0245 40																								
S/C 32 INITIAL CONDITIONS RTLTL: 27h 12m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 27h 12m 22s												0000 RTLTL 27h 12m 26s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] DSS-43 DRV OFF = 365/2359 TO AVOID U/L YEAR ROLLOVER																								
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:	DEC 31												JAN 01												

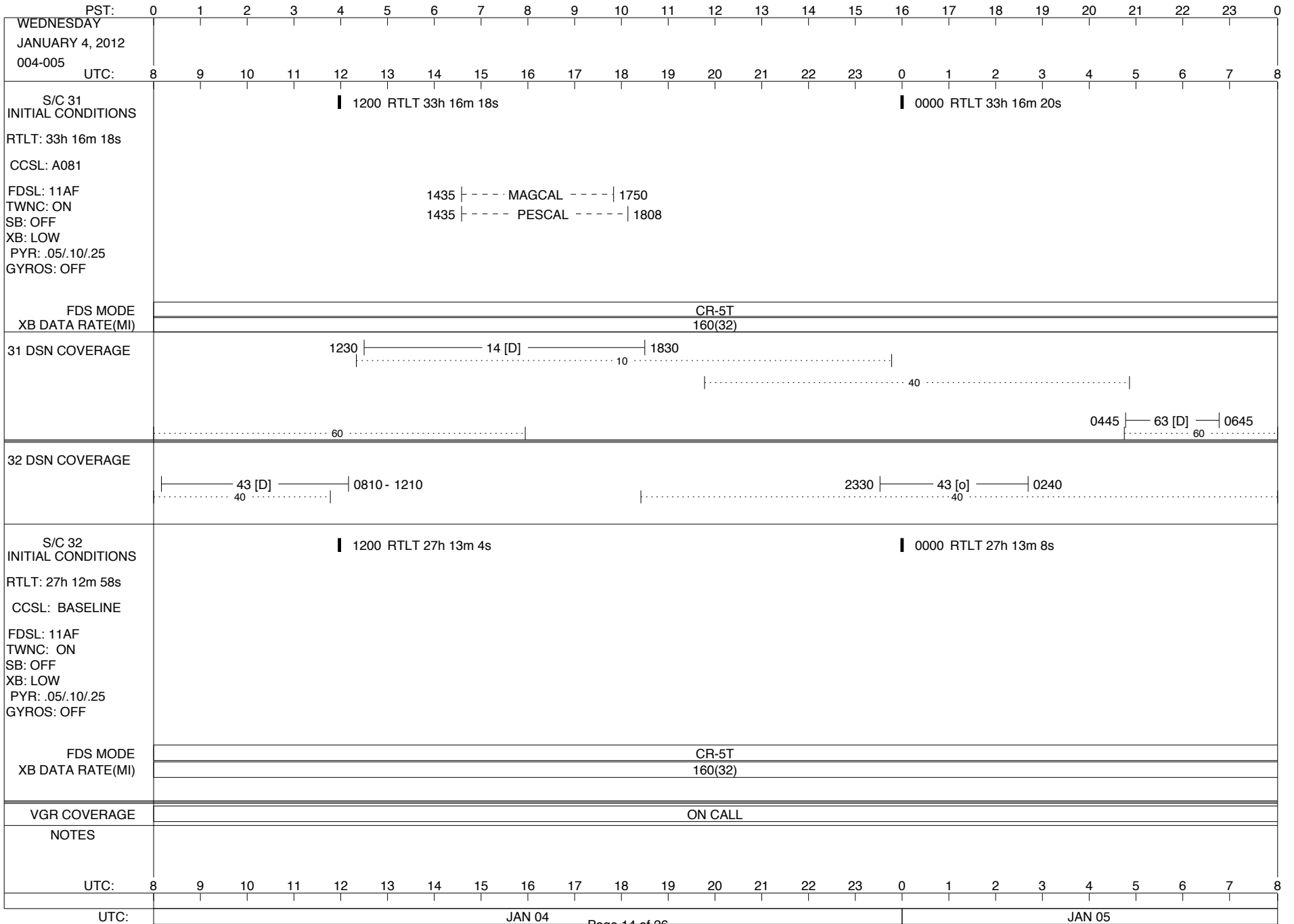
ISSUE DATE: 12/22/11 16:26





ISSUE DATE: 12/22/11 16:26

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S/C 31 INITIAL CONDITIONS RTLT: 33h 16m 14s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 16m 16s												0000 RTLT 33h 16m 18s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1305   15 [DAR]   1555 1305   26 [DA]   1555												10 .....   ..... 40 .....   ..... 0500   63 [D]   0645 60 .....   ..... 60												
32 DSN COVERAGE	40 .....   ..... 40																								
S/C 32 INITIAL CONDITIONS RTLT: 27h 12m 48s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 27h 12m 54s												0000 RTLT 27h 12m 58s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 2256 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 03												JAN 04												







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 JANUARY 6, 2012 006-007	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: 33h 16m 22s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 16m 24s												0000 RTLT 33h 16m 26s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	.....10.....												.....40.....												
	0840 63 [D].....60.....												.....0435.....63 [D].....60.....												
32 DSN COVERAGE	.....43 [H].....1225.....												.....40.....43 [D] 0755.....												
S/C 32 INITIAL CONDITIONS RTLT: 27h 13m 18s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 27h 13m 24s												0000 RTLT 27h 13m 28s												
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 @ 0456 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 06												JAN 07												

ISSUE DATE: 12/22/11 16:26

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			
SATURDAY JANUARY 7, 2012 007-008																													
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S/C 31 INITIAL CONDITIONS RTLTL: 33h 16m 26s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 33h 16m 26s														0000 RTLT 33h 16m 28s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
31 DSN COVERAGE		<p>0835 63 [D] 60 1800 1800 10 15 [DA] 2230 25 [DAR] 2230 40 0435 63 [D] 60</p>																											
32 DSN COVERAGE		<p>43 [D] 1225 2235 45 [D] 0400 40 40</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 27h 13m 28s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 27h 13m 32s														0000 RTLT 27h 13m 38s COMMAND MORATORIUM 0446													
FDS MODE XB DATA RATE(MI)		1030 * 1033 B154C CHKSUM														1003 EL-40 * 1103 CR-5T													
		CR-5T EL-40														CR-5T													
		160(32) 40(30)														160(32)													
VGR COVERAGE		ON CALL VGR														ON CALL													
NOTES		<p>[1] S/C 32=EL-40 @ 1003 XB=40(30) [2] S/C 32=CR-5T @ 1103 XB=160(32)</p>																											
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 07														JAN 08													

ISSUE DATE: 12/22/11 16:26

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S/C 31 INITIAL CONDITIONS RTLTL: 33h 16m 28s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 16m 28s												0000 RTLTL 33h 16m 30s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	63 [D]   0900												1820   25 [DA]   2220 1820   26 [DAR]   2220 10   40 0445   63 60   60												
32 DSN COVERAGE	40												2355   43 [D]   0230 45 [DAR] 0720 43 [DA] 0720 40												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 13m 38s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 27h 13m 42s												0000 RTLTL 27h 13m 46s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												COMMAND MORATORIUM BAY 1 HTR OFF 0730↓ X/B HI POWER 0734↓ AACS MRO 0755 ↓ 2318 BEGIN SEQUENCE B154C EH-12 0740↓												
VGR COVERAGE	ON CALL												VGR		VGR										
NOTES	[1] S/C 32=EH-12 XB=1.2K(39) @ 0740																								
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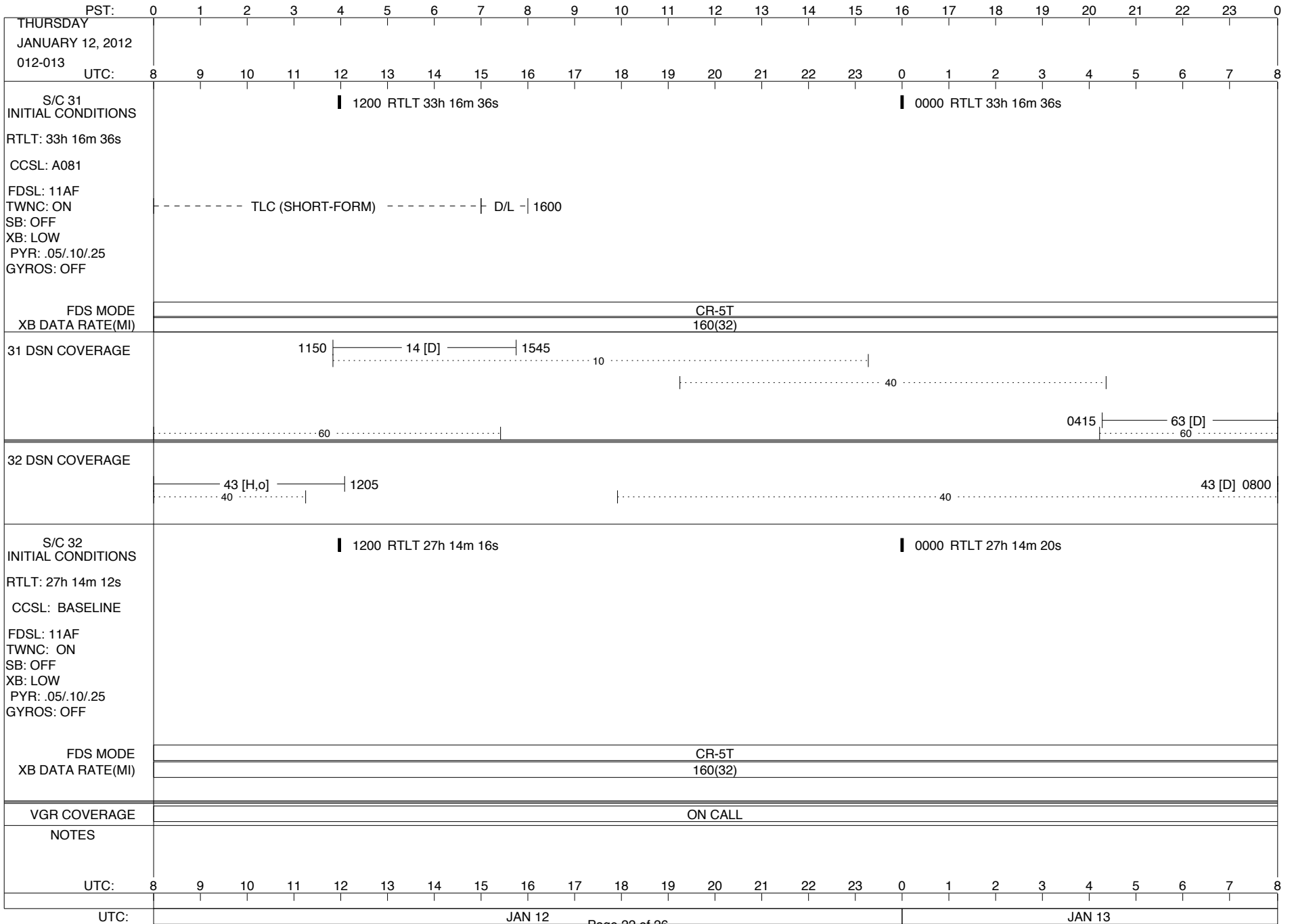
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S/C 31 INITIAL CONDITIONS RTLTL: 33h 16m 30s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF					█ 1200																					
FDS MODE																										
XB DATA RATE(MI)																										
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLTL: 27h 13m 46s CCSL: B154C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF					█ 1200																					
FDS MODE																										
XB DATA RATE(MI)																										
VGR COVERAGE	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	
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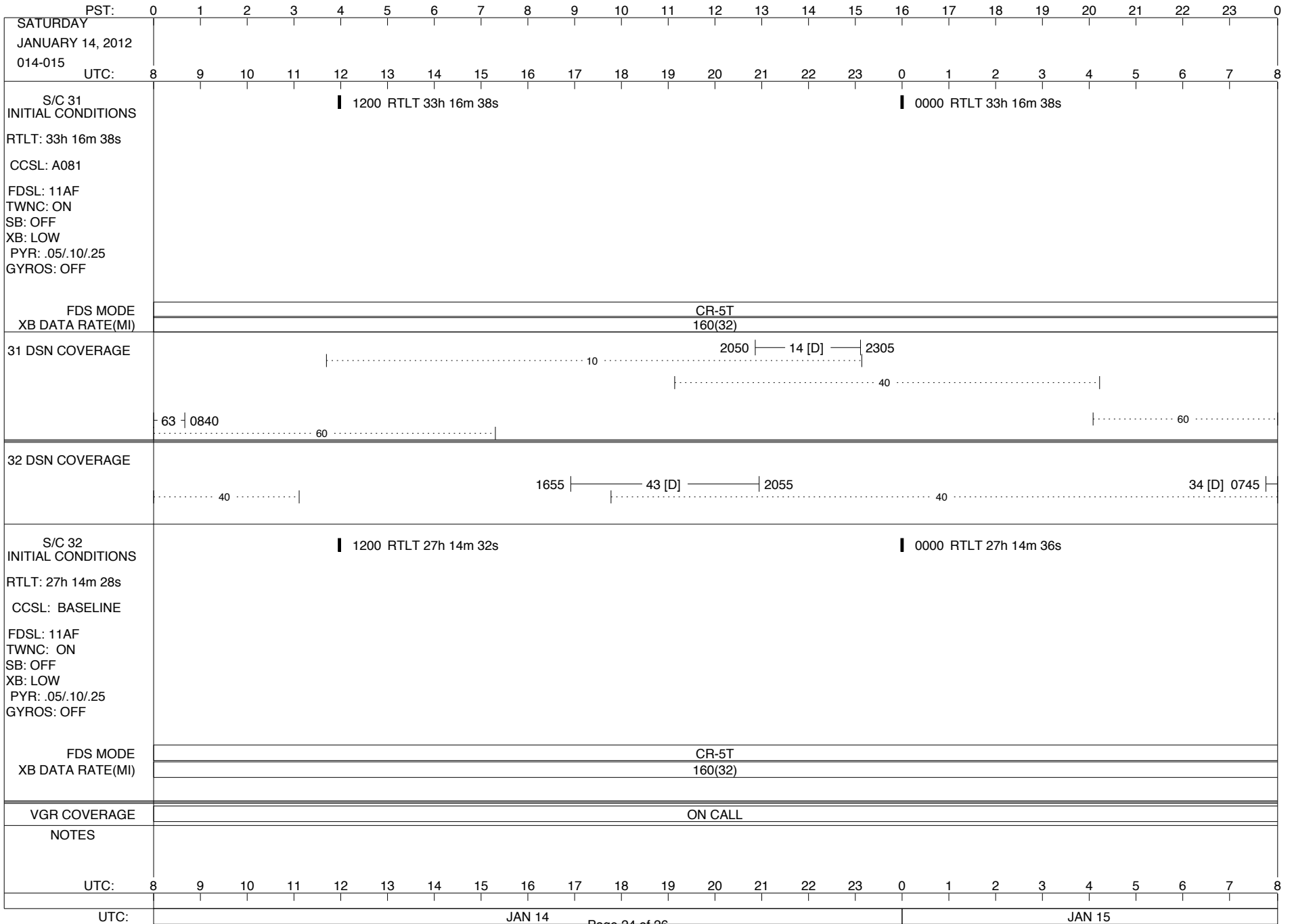
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TUESDAY JANUARY 10, 2012 010-011																												
S/C 31 INITIAL CONDITIONS RTLT: 33h 16m 32s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 33h 16m 32s												0000 RTLT 33h 16m 34s														
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)						EL-40 40(30)			CR-5T 160(32)						CR-5T 160(32)											
31 DSN COVERAGE		1200  ----- 14 [D] -----  1545												10  ----- 40 -----														
		----- 0850 63 [D] -----												----- 0450 -----  63 [T] -----														
32 DSN COVERAGE		----- 43 [D] -----  1015												----- 2335 -----  43 [B] -----  0315														
S/C 32 INITIAL CONDITIONS RTLT: 27h 13m 56s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 27h 14m 0s												0000 RTLT 27h 14m 4s														
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=EL-40 XB=40(30) @ 1432 [2] S/C 31=CR-5T XB=160(32) @ 1532 [3] S/C 31=GS-4B @ 2232 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 10															JAN 11											

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WEDNESDAY JANUARY 11, 2012 011-012																									
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S/C 31 INITIAL CONDITIONS RTLT: 33h 16m 34s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 33h 16m 34s												█ 0000 RTLT 33h 16m 36s												
----- TLC (SHORT-FORM) -----																									
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	<p>..... ..... 10 ..... .....</p> <p>..... ..... 40 ..... .....</p> <p>  0820 63 [T] ..... ..... 0420   63 [D] .....  0645</p> <p>..... 60 ..... ..... 60 .....</p>																								
32 DSN COVERAGE	<p>..... 40 ..... ..... 40 ..... ..... 0625   43 [H,o]  .....</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 27h 14m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 27h 14m 8s												█ 0000 RTLT 27h 14m 12s												
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
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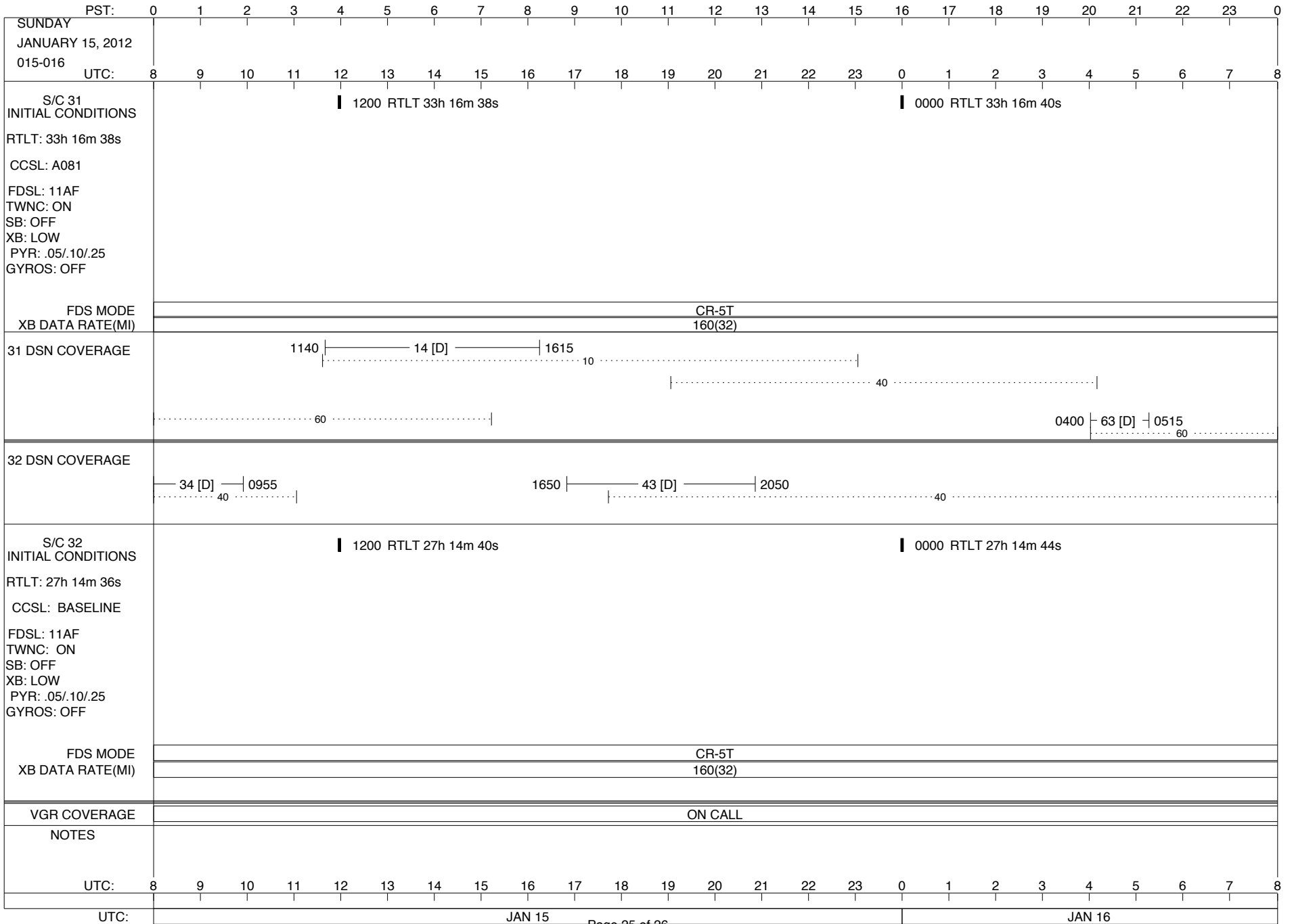








ISSUE DATE: 12/22/11 16:26



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S/C 31 INITIAL CONDITIONS	<p>1200 RTLT 33h 16m 40s</p> <p>RTLT: 33h 16m 40s</p> <p>CCSL: A081</p> <p>FDSL: 11AF</p> <p>TWNC: ON</p> <p>SB: OFF</p> <p>XB: LOW</p> <p>PYR: .05/.10/.25</p> <p>GYROS: OFF</p>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p>1330  ----- 25 [DA] -----  1835</p> <p>1330  ----- 26 [DAR] -----  1835</p> <p>..... ----- 10 ----- </p> <p>.....60..... </p>																										
32 DSN COVERAGE	<p>.....40..... </p> <p>1650  ----- 43 [D] -----  2040</p>																										
S/C 32 INITIAL CONDITIONS	<p>1200 RTLT 27h 14m 46s</p> <p>RTLT: 27h 14m 44s</p> <p>CCSL: BASELINE</p> <p>FDSL: 11AF</p> <p>TWNC: ON</p> <p>SB: OFF</p> <p>XB: LOW</p> <p>PYR: .05/.10/.25</p> <p>GYROS: OFF</p>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
VGR COVERAGE														ON CALL													
NOTES	<p><b>JPL HOLIDAY!</b></p>																										
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 16													JAN 17													