

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: December 9, 2009

For the Period: 12/10/09 to 12/28/09 (09-344 – 09-362)

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

**SCIENCE**

**FLIGHT TEAM (15) 600-100**

**DSOT (1) 230-102**

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 Ludwig, R. (2)  
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 Matsumoto, S.  
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 Poynter, R.  
 Weeks, T.  
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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

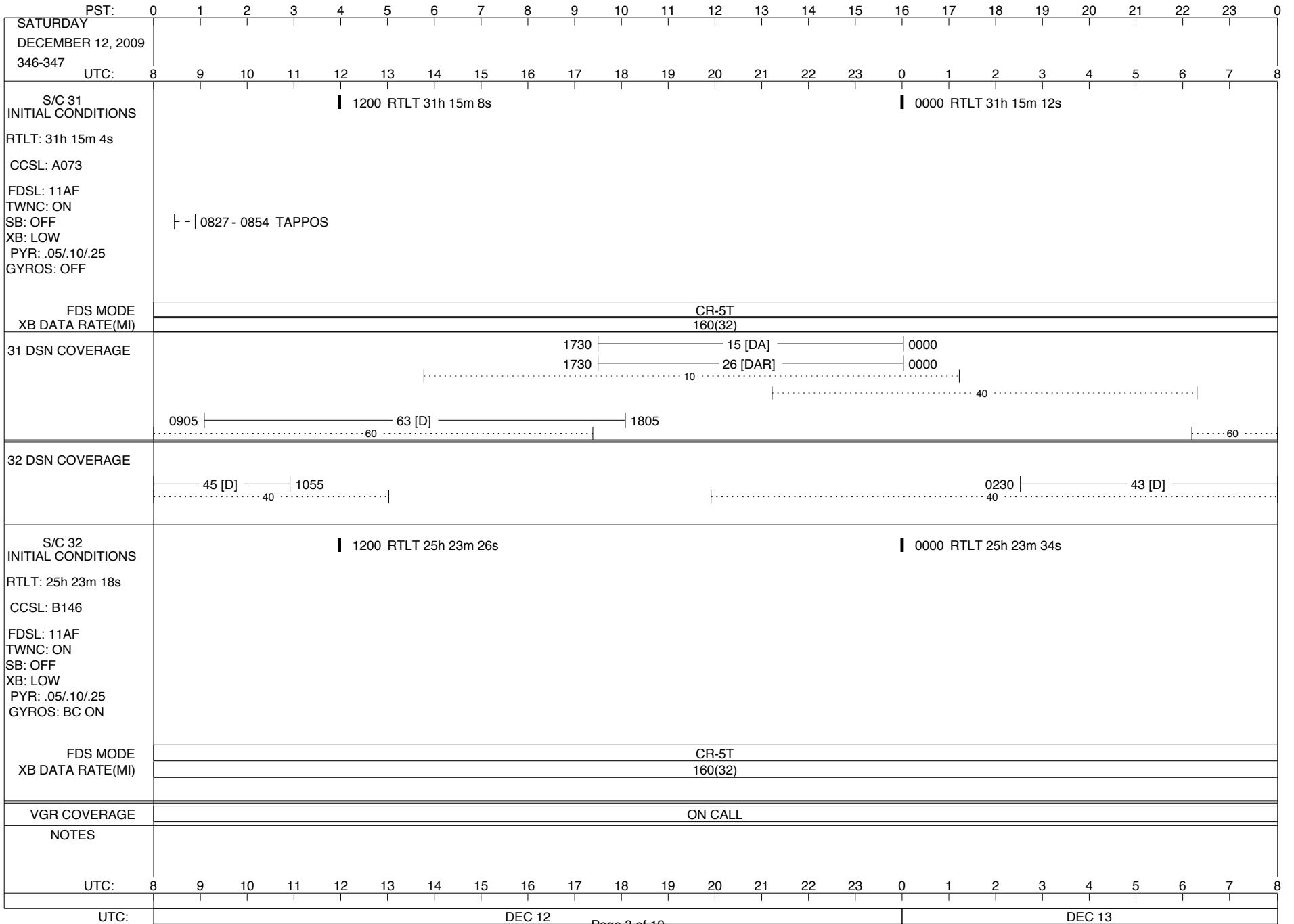
\*Electronic Copy Only  
 (17 – Dist/N: Paper Copies)  
 04/02/09

ISSUE DATE: 12/09/09 17:04

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S/C 31 INITIAL CONDITIONS RTLT: 31h 14m 46s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 31h 14m 50s												█ 0000 RTLT 31h 14m 54s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	1810  -----  24 [DA]  -----  0000 1810  -----  25 [DAR]  -----  0000  -----  10  -----   -----  60  -----  40  -----  60																								
32 DSN COVERAGE	43 [D]  -----  1115  -----  40  -----  2325  -----  45 [D]  -----  0445  -----  40  -----  0535  -----  43 [D]  -----																								
S/C 32 INITIAL CONDITIONS RTLT: 25h 22m 48s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 25h 22m 56s												█ 0000 RTLT 25h 23m 4s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL												VGR ON CALL												
NOTES													↓ 2355 GYRO INIT ↓ 2355 GYROS BC ON ↓ 0005 GYRO FAULT TEST 0056   0102 CCSTIM(B)												
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 10												DEC 11												



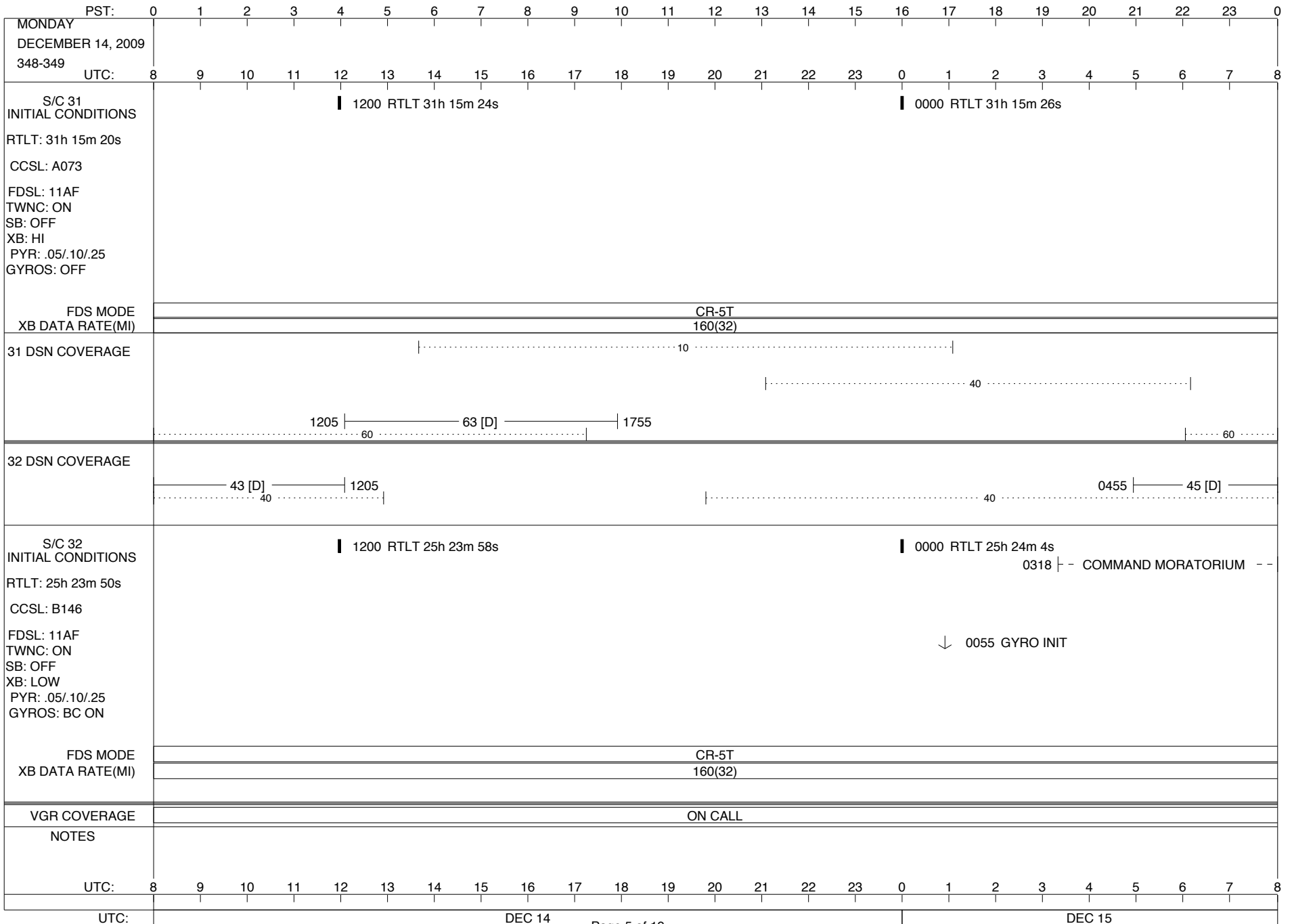
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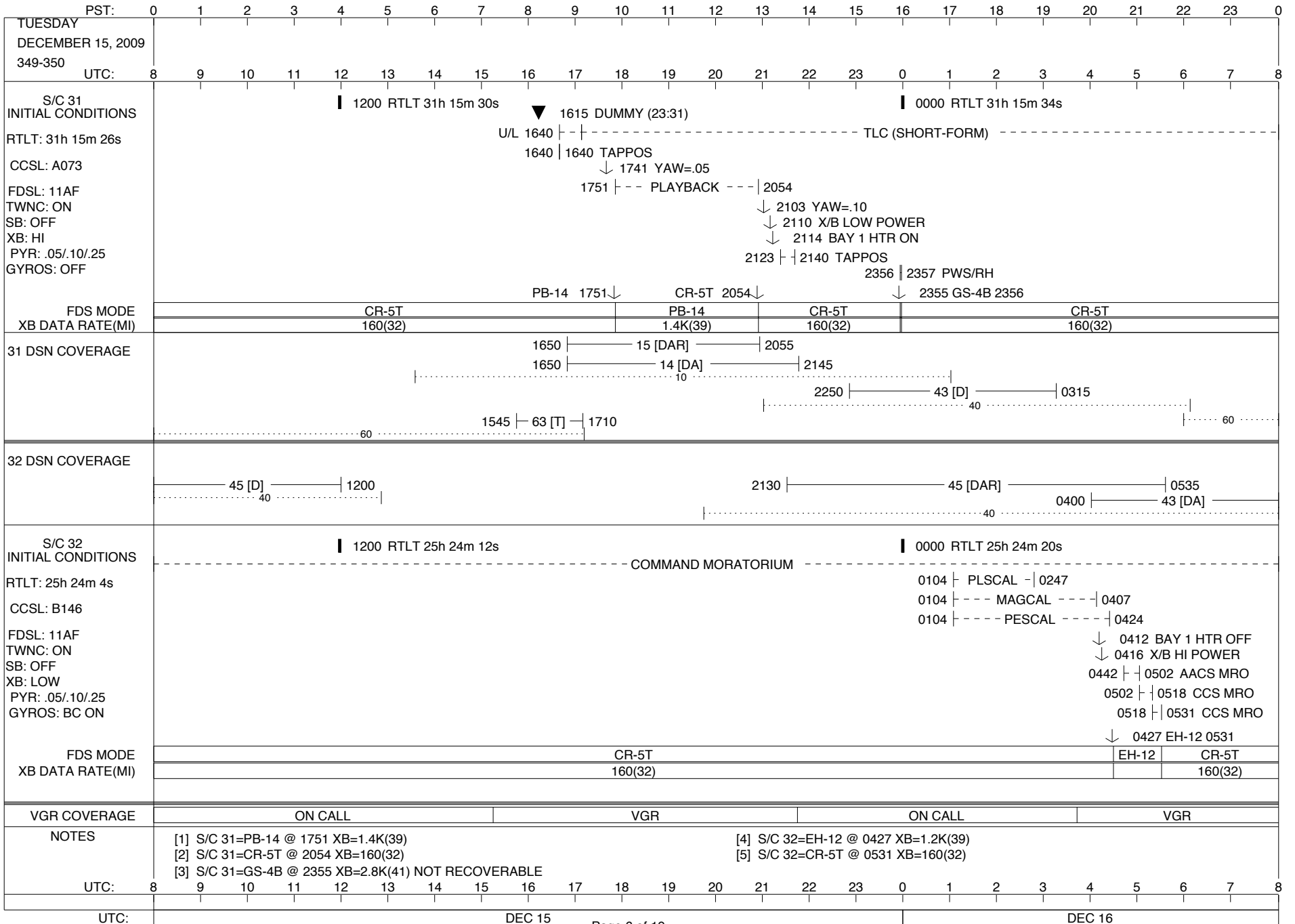


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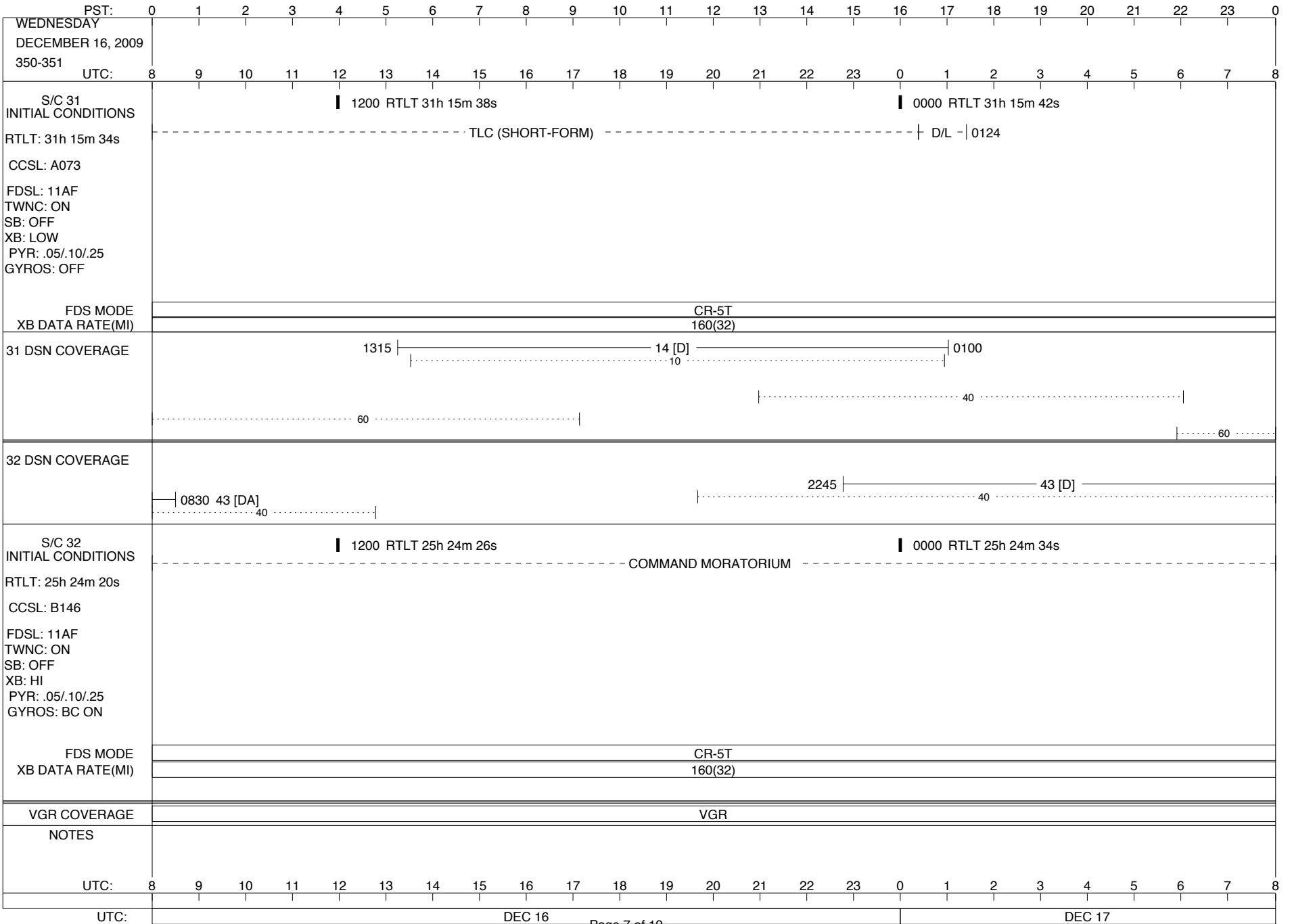
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SUNDAY DECEMBER 13, 2009 347-348																										
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S/C 31 INITIAL CONDITIONS RTLT: 31h 15m 12s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 31h 15m 16s												█ 0000 RTLT 31h 15m 20s													
													↓ 1930 BAY 1 HTR OFF ↓ 1934 X/B HI POWER  2016     2036 AACS MRO 2036     2052 CCS MRO 2052     2105 CCS MRO													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												EH-12		CR-5T 160(32)											
31 DSN COVERAGE	1755  -----  14 [DA]  -----  2340												1940   15 [DAR]   2105													
	1215  -----  63 [D]  -----  1800												40													
32 DSN COVERAGE	43 [D]  -----  1225												0405  -----  43 [D]													
S/C 32 INITIAL CONDITIONS RTLT: 25h 23m 34s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	█ 1200 RTLT 25h 23m 42s												█ 0000 RTLT 25h 23m 50s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE	ON CALL												VGR		ON CALL											
NOTES	[2] S/C 31=CR-5T @ 2105 XB=160(32) [1] S/C 31=EH-12 @ 2001 XB=1.2K(39)																									
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 13												DEC 14													

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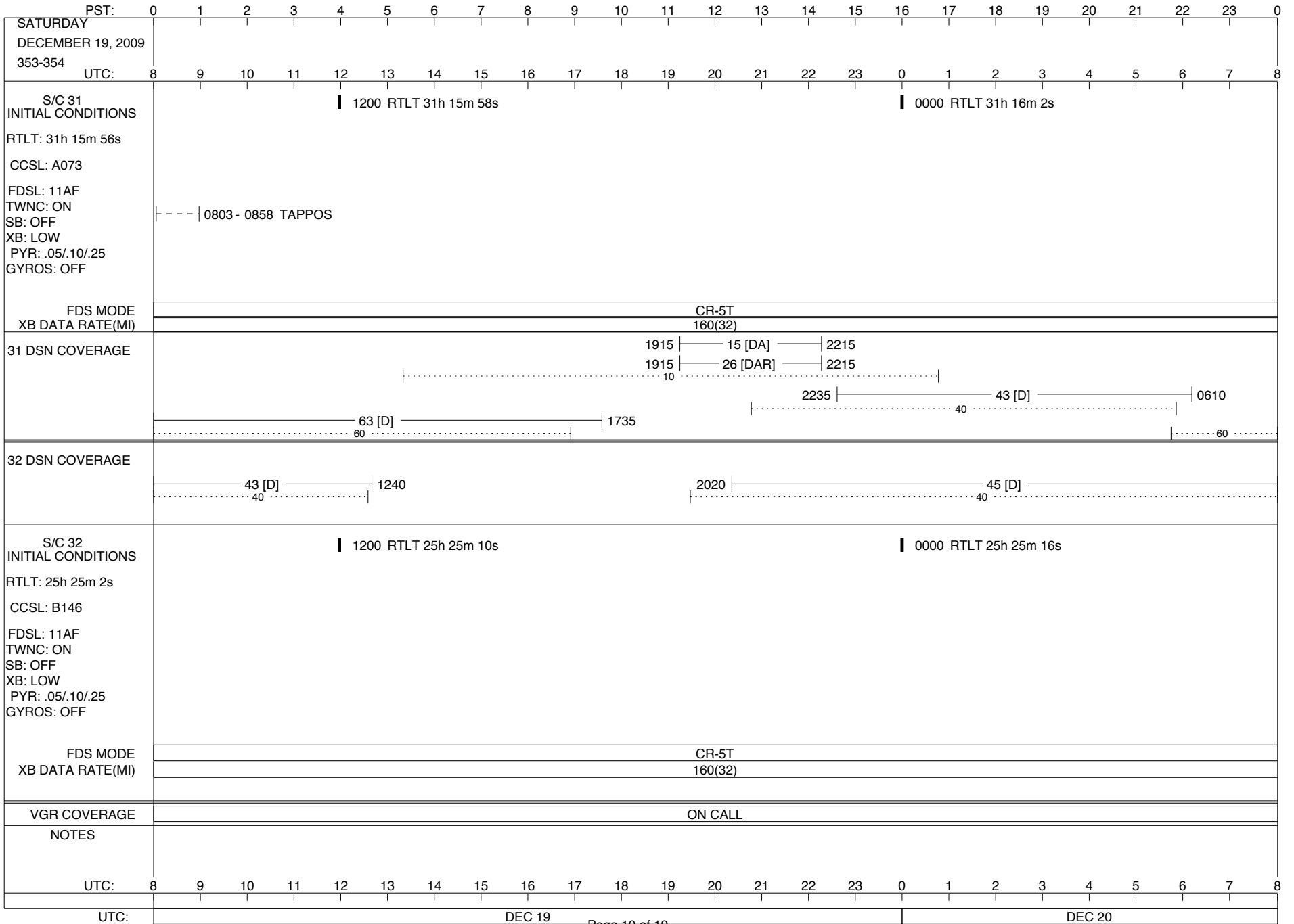
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THURSDAY DECEMBER 17, 2009 351-352																										
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S/C 31 INITIAL CONDITIONS RTLT: 31h 15m 42s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200																					
FDS MODE XB DATA RATE(MI)																										
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 25h 24m 34s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON					█ 1200																					
FDS MODE XB DATA RATE(MI)																										
VGR COVERAGE																										
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:																										

[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0109-0704)

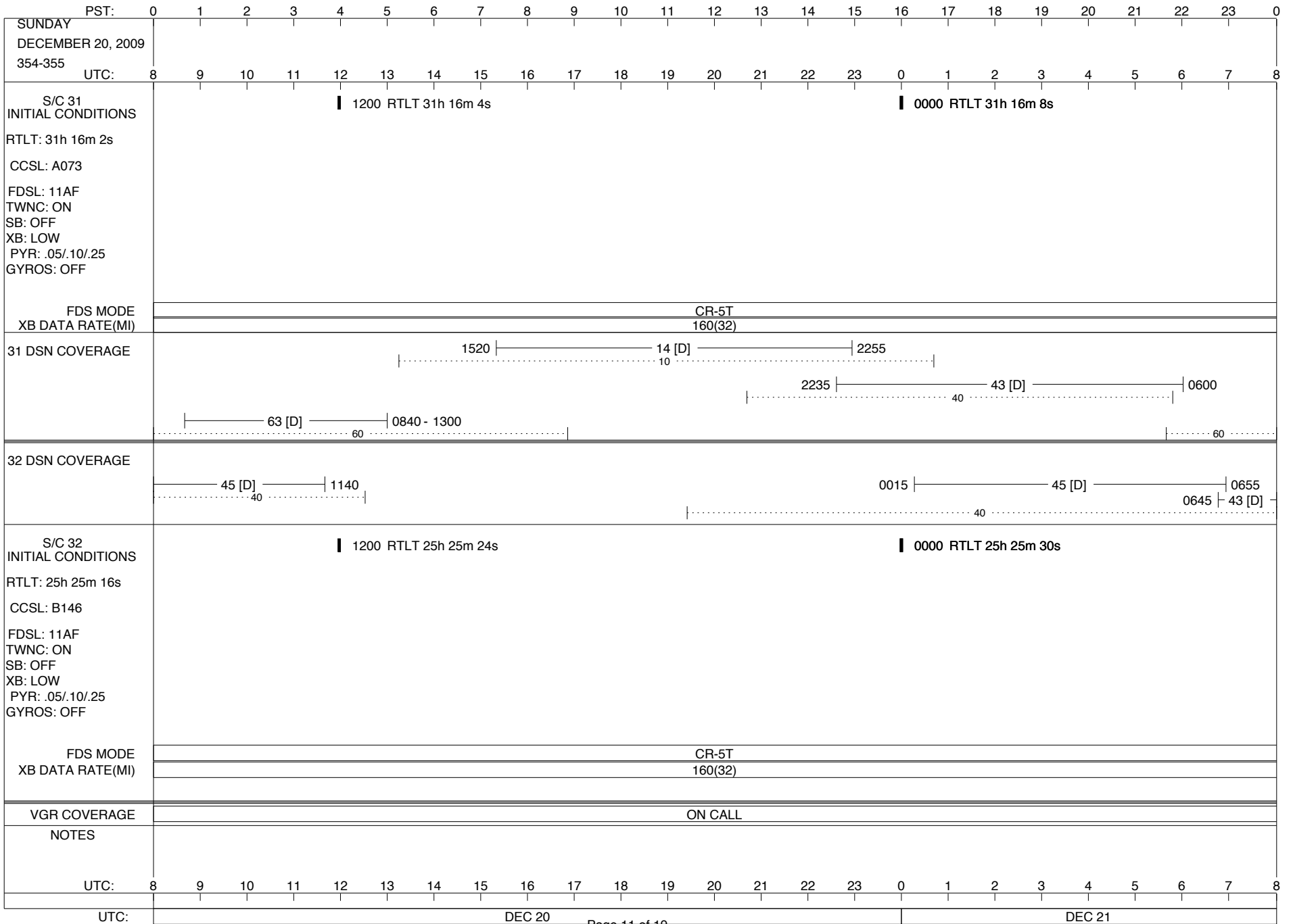
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FRIDAY DECEMBER 18, 2009 352-353	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 31h 15m 48s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 31h 15m 52s												0000 RTLT 31h 15m 56s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1600  -----  14 [D]  -----  0105  -----  10  -----												0556 GS-4B 0556 ↓ 0557 0556   0556 PWS/RH												
	1200  -----  63 [D]  -----  1620  -----  60  -----												63 [D] 0725  -----   -----  60  -----												
32 DSN COVERAGE	43 [D]  -----  1210  -----  40  -----												0440  -----  43 [D]  -----   -----  40  -----												
S/C 32 INITIAL CONDITIONS RTLT: 25h 24m 48s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 25h 24m 56s												0000 RTLT 25h 25m 2s												
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 @ 0556 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 18												DEC 19												

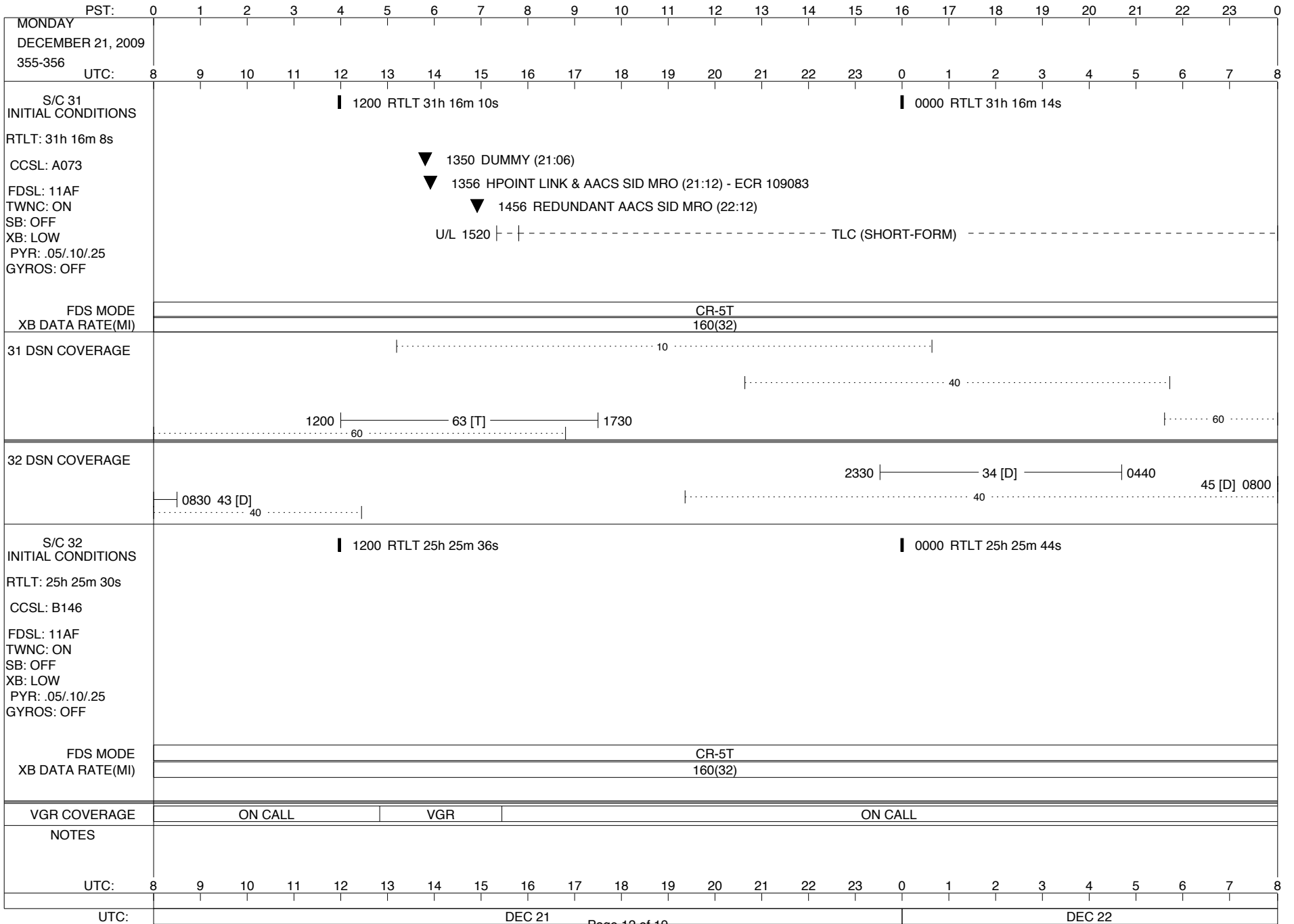
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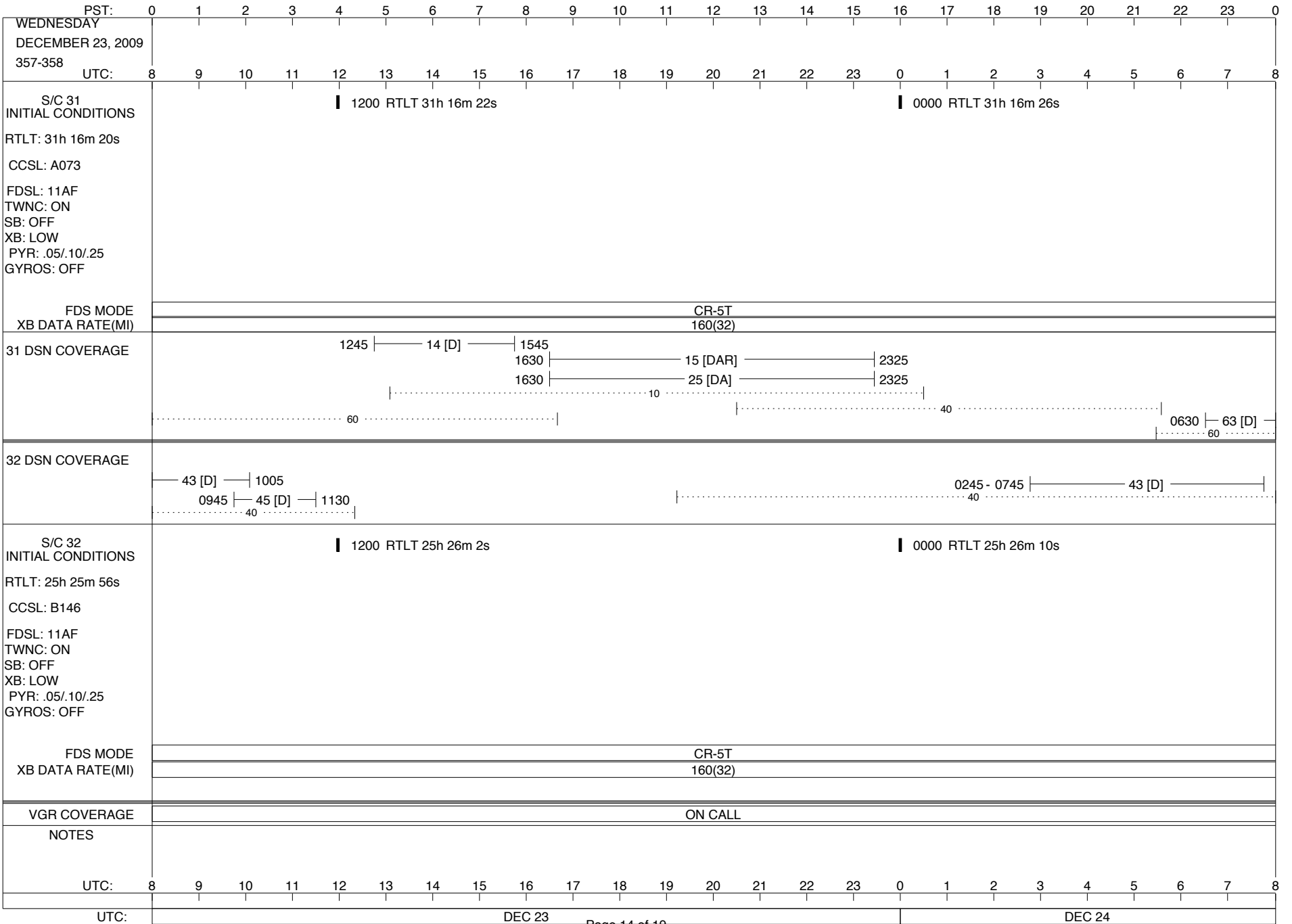
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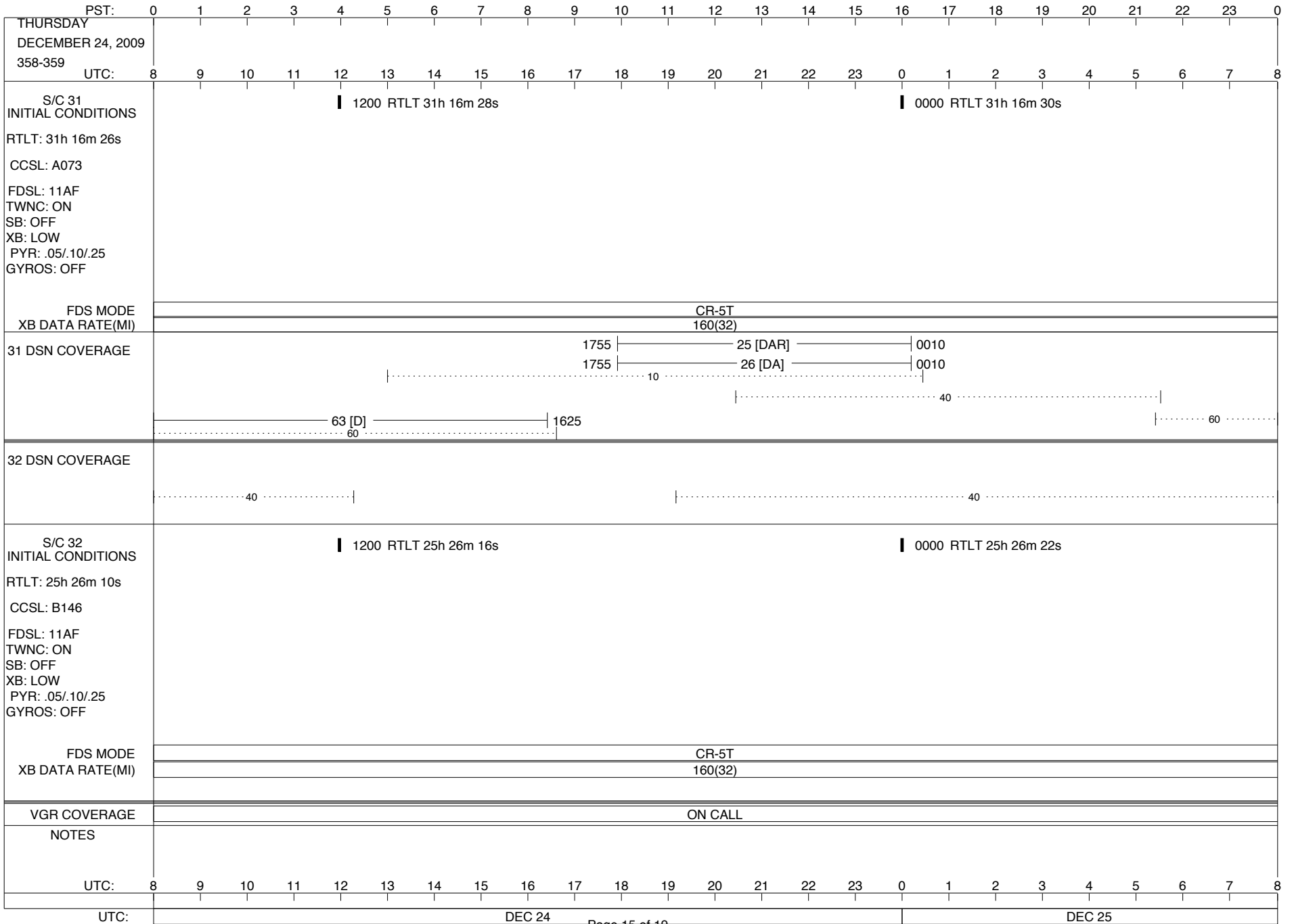
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PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
TUESDAY DECEMBER 22, 2009 356-357																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 31h 16m 14s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 31h 16m 16s												0000 RTLTL 31h 16m 20s												
													2114   2115 AACS SID MRO 2214   2215 AACS SID MRO												
	TLC (SHORT-FORM)												D/L -   0004 2332   2333 PWS/RH ↓ 2332 GS-4B 2333												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1250   15 [DAR]   1545 1250   25 [DA]   1545												1900   24 [DA]   0005 1900   25 [DAR]   0005												
	60												40												
32 DSN COVERAGE	45 [D]   0800 - 1135												0545   43 [D]												
	40												40												
S/C 32 INITIAL CONDITIONS RTLTL: 25h 25m 44s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 25h 25m 50s												0000 RTLTL 25h 25m 56s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 2332 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 22												DEC 23												

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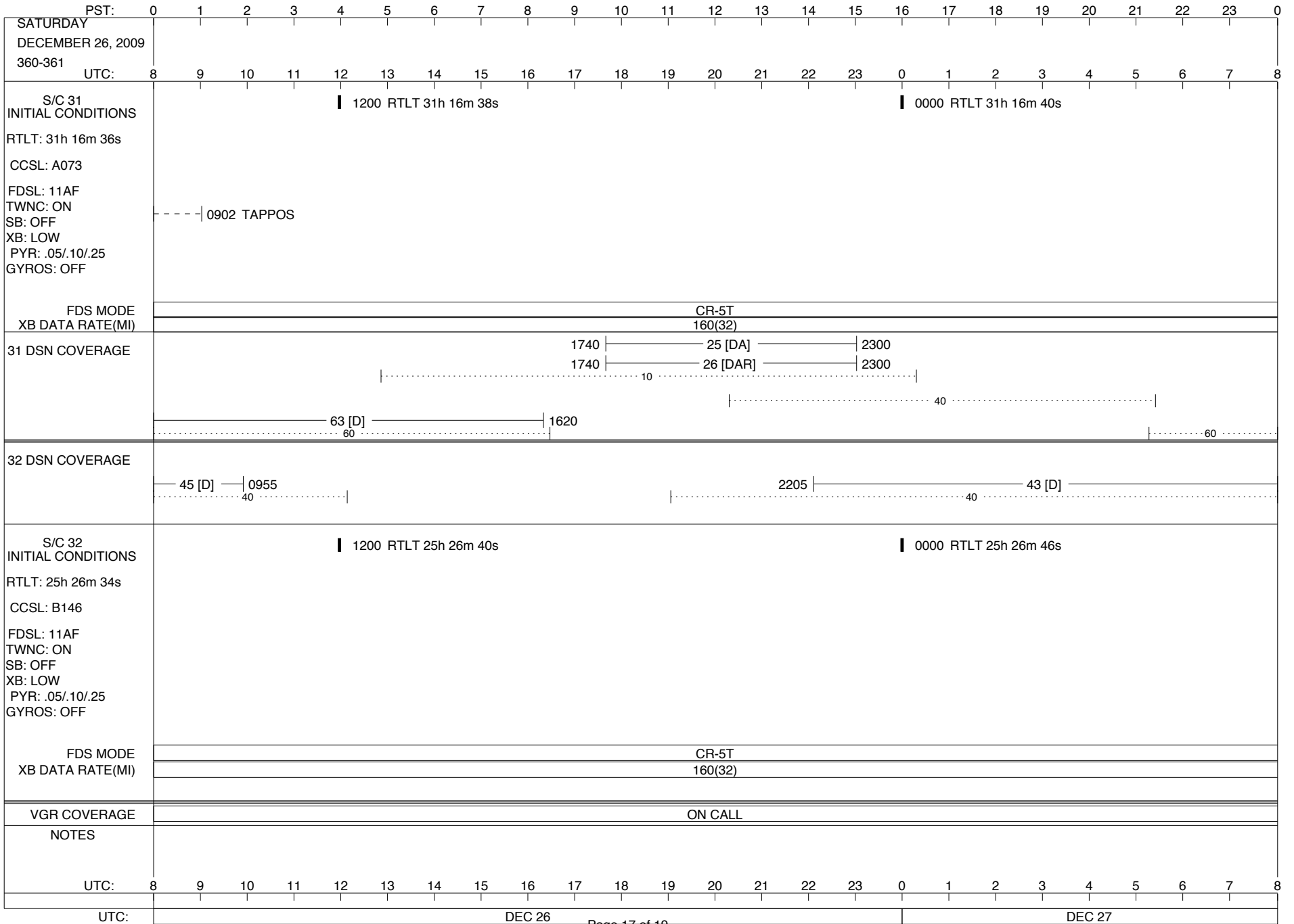
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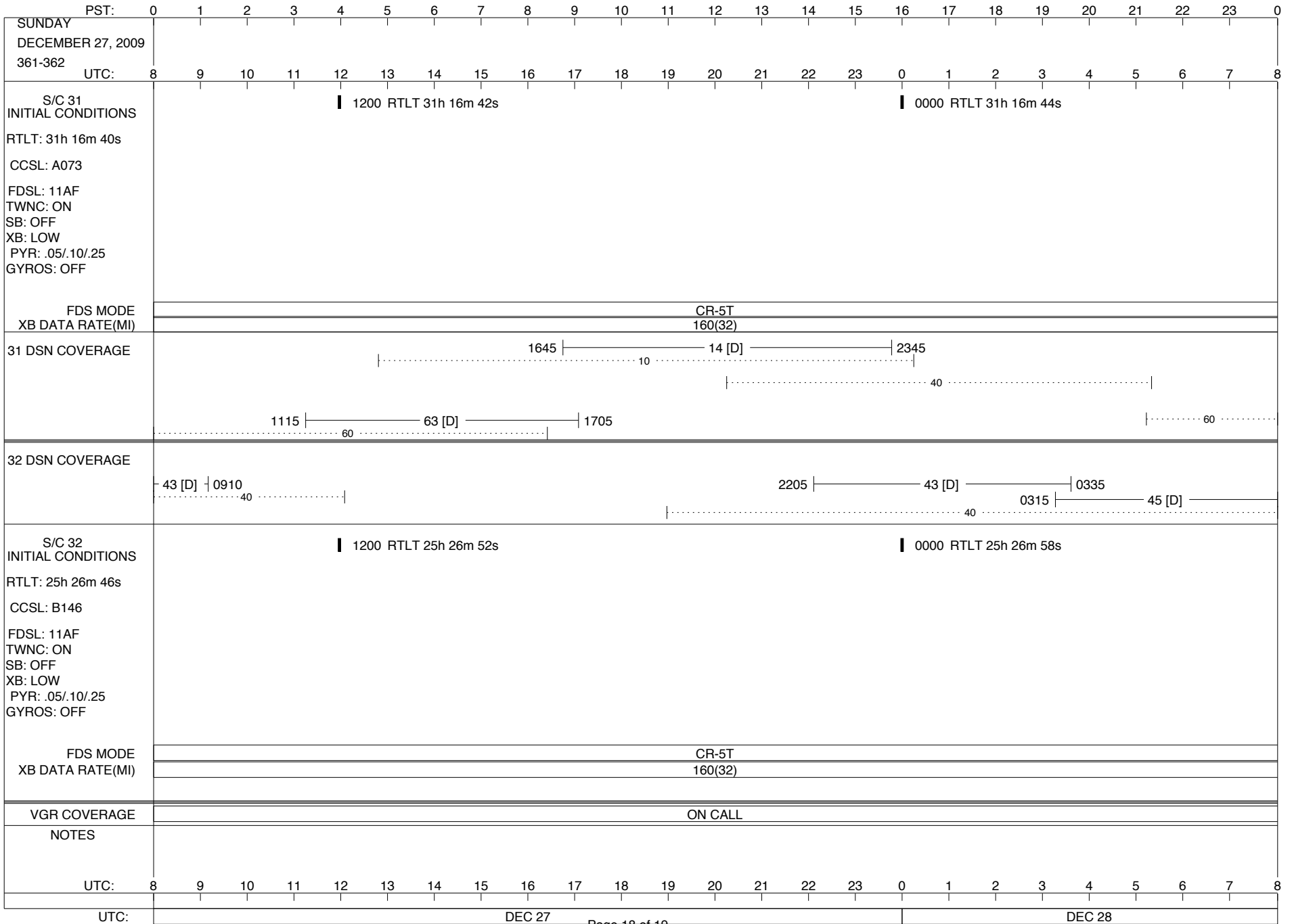




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MONDAY DECEMBER 28, 2009 362-363																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
S/C 31 INITIAL CONDITIONS RTLT: 31h 16m 44s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 31h 16m 48s</p> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>1405   14 [D]   1545 1545   15 [DAR]   2055 1545   25 [DA]   2055</p> <p>.....60..... </p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>0845 45 [D]</p> <p>.....40..... </p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 25h 26m 58s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 25h 27m 4s</p> </div>																										
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:	DEC 28													DEC 29													