

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 2, 2009

For the Period: 12/03/09 to 12/21/09 (09-337 – 09-355)

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SCIENCE

FLIGHT TEAM (15) 600-100

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- Ludwig, R. (2)
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- Matsumoto, S.
- Medina, E.
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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

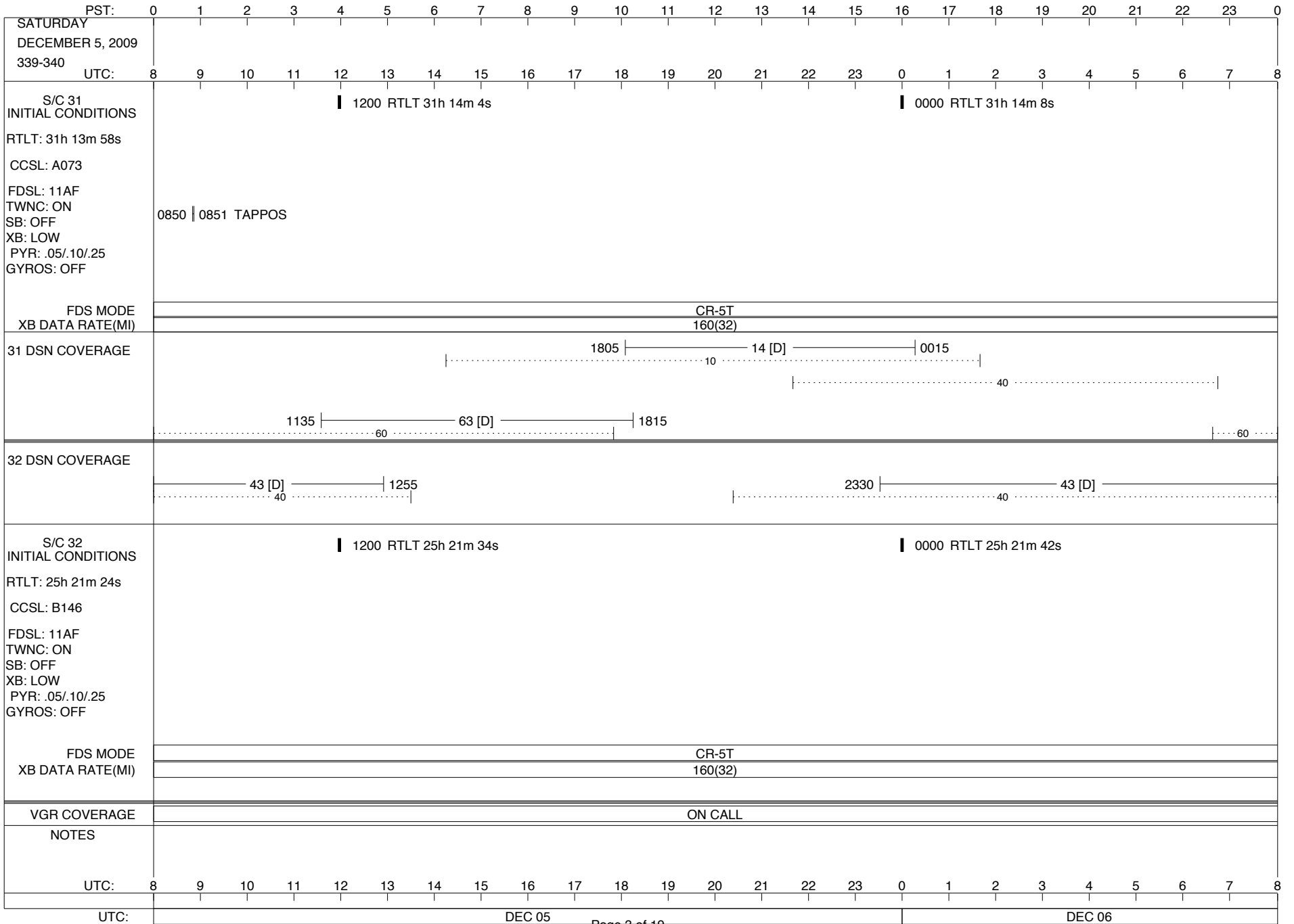
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THURSDAY																													
DECEMBER 3, 2009																													
337-338																													
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S/C 31 INITIAL CONDITIONS		1200 RTLT 31h 13m 44s														0000 RTLT 31h 13m 48s													
RTLT: 31h 13m 38s																													
CCSL: A073																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE		CR-5T																											
XB DATA RATE(MI)		160(32)																											
31 DSN COVERAGE		<p>1830 ----- 25 [DAR] ----- 0050 1830 ----- 26 [DA] ----- 0050 10 0030 14 [D] 0205 40 60 60</p>																											
32 DSN COVERAGE		<p>43 [D] ----- 1205 ----- 40 40 0530 ----- 43 [D] ----- </p>																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 25h 20m 58s														0000 RTLT 25h 21m 8s													
RTLT: 25h 20m 50s																													
CCSL: B146																													
FDSL: 11AF		0801 - 0801 2 AACS SID MRO'S																											
TWNC: ON		0901 0901 2 AACS SID MRO'S																											
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE		CR-5T																											
XB DATA RATE(MI)		160(32)																											
VGR COVERAGE		VGR																										ON CALL	
NOTES																													
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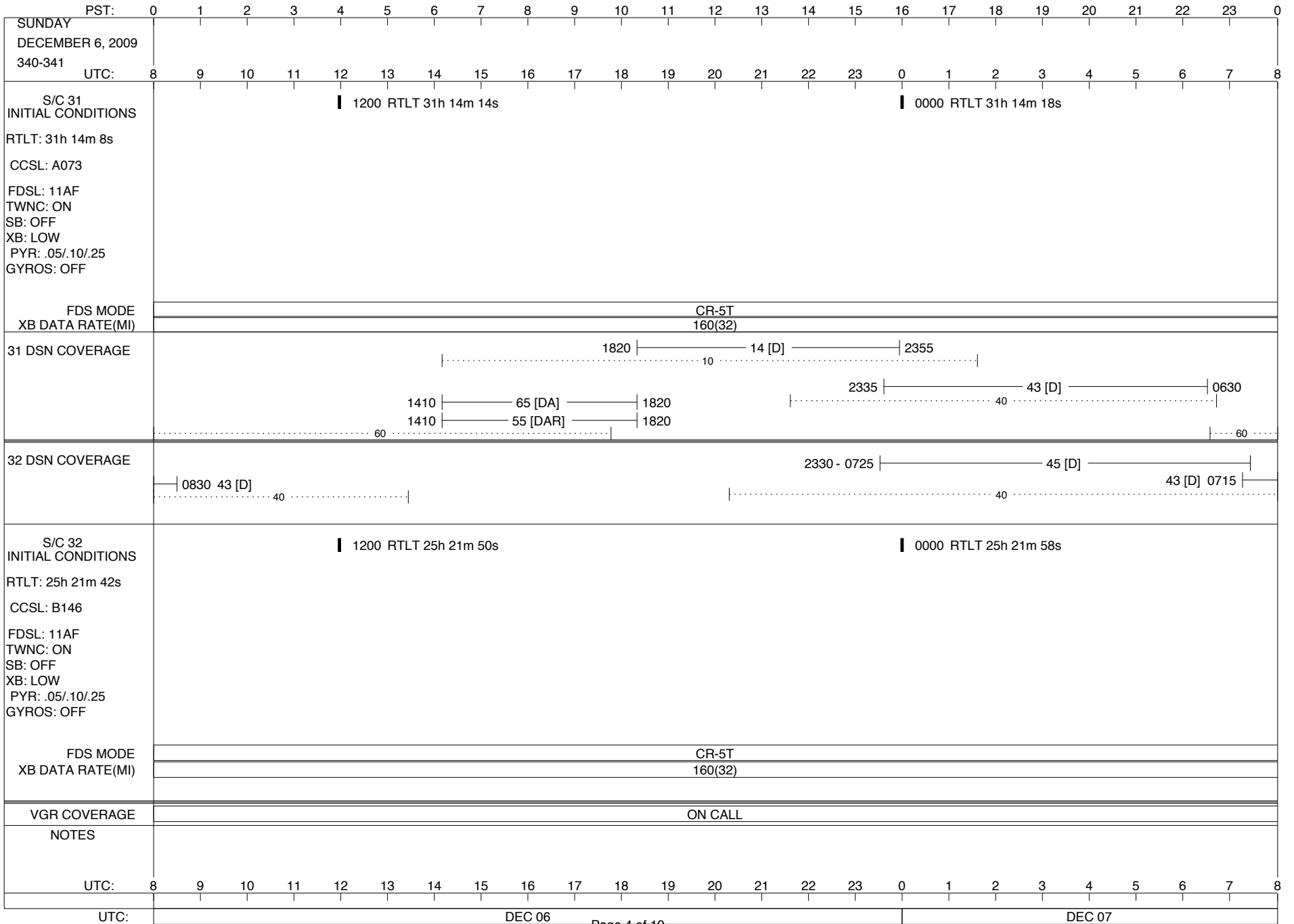
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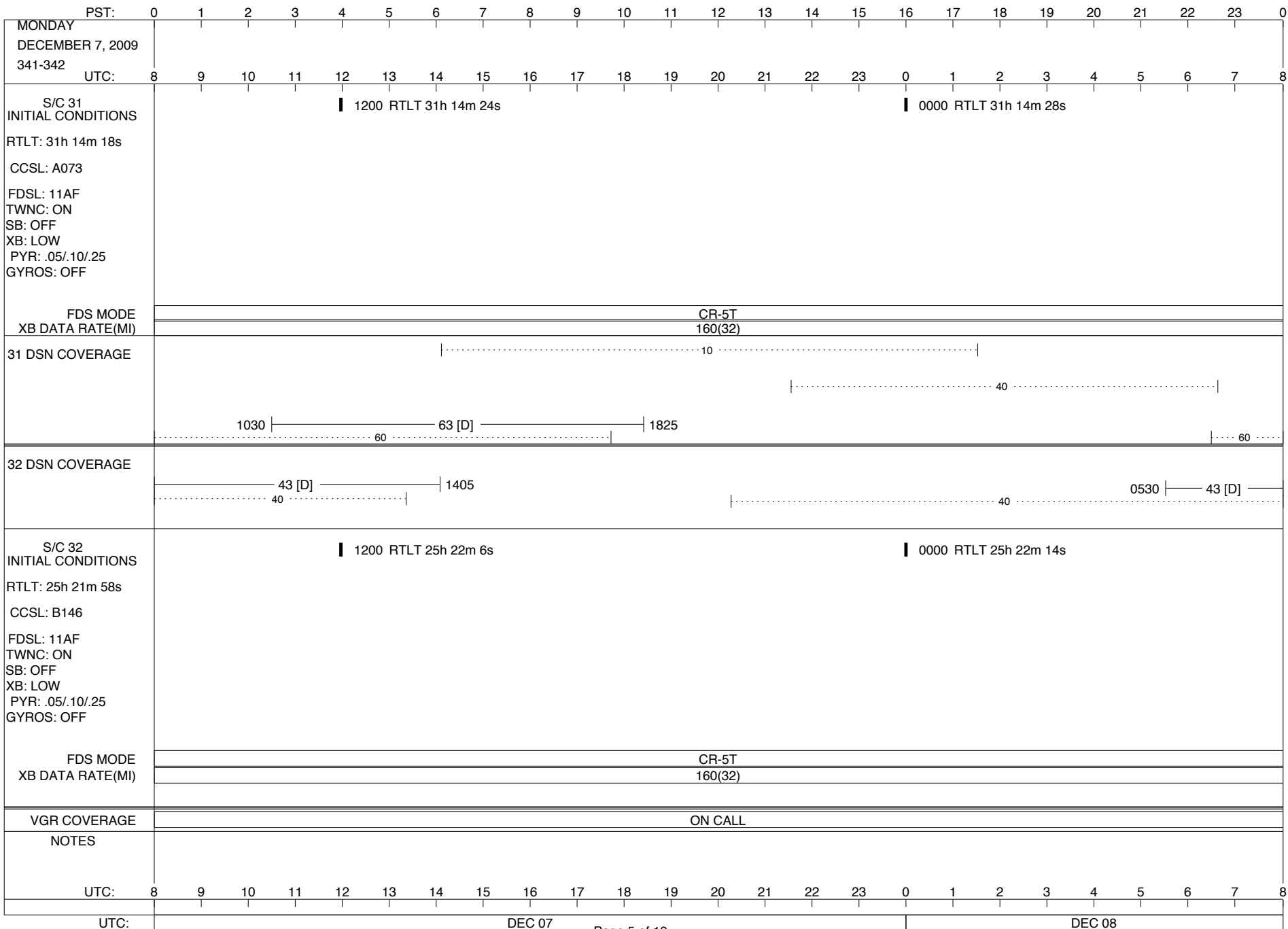
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S/C 31 INITIAL CONDITIONS RTLTL: 31h 13m 48s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 31h 13m 54s												█ 0000 RTLTL 31h 13m 58s												
	0341 0355 TAPPOS PWS/RH 0643 0644																								
	0643 GS-4B 0644 ↓																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	----- 10 -----												----- 40 -----												
	1245 ----- 63 [D1] ----- 1835						----- 60 -----						----- 60 -----												
32 DSN COVERAGE	43 [D] ----- 1330						----- 40 -----						0215 ----- 43 [D] -----												
	40 -----						----- 40 -----						----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 25h 21m 8s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 25h 21m 16s												█ 0000 RTLTL 25h 21m 24s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] HPOINT 1 BACKUP U/L TRACK [2] S/C 31=GS-4B @ 0643 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 04												DEC 05												

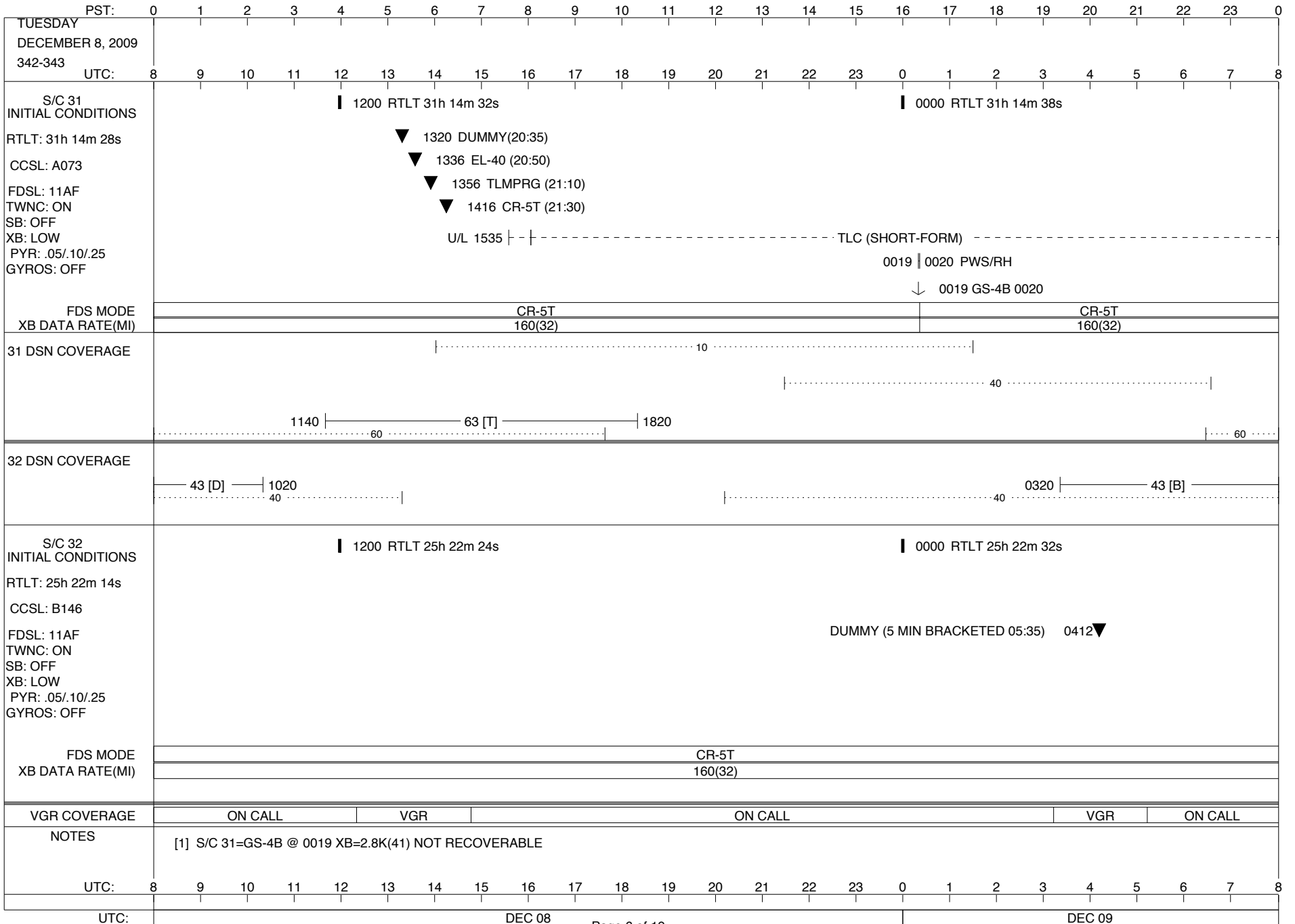
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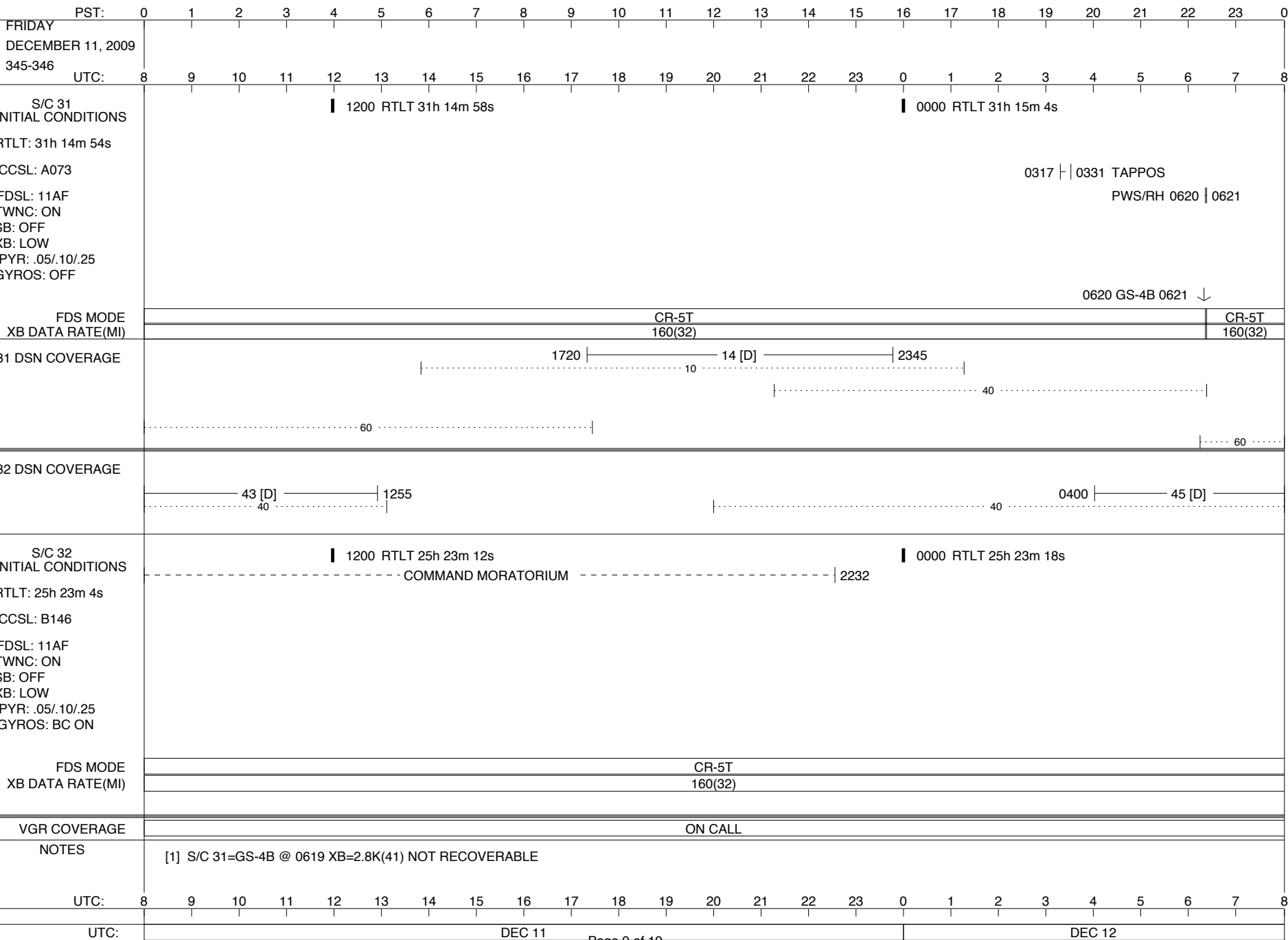


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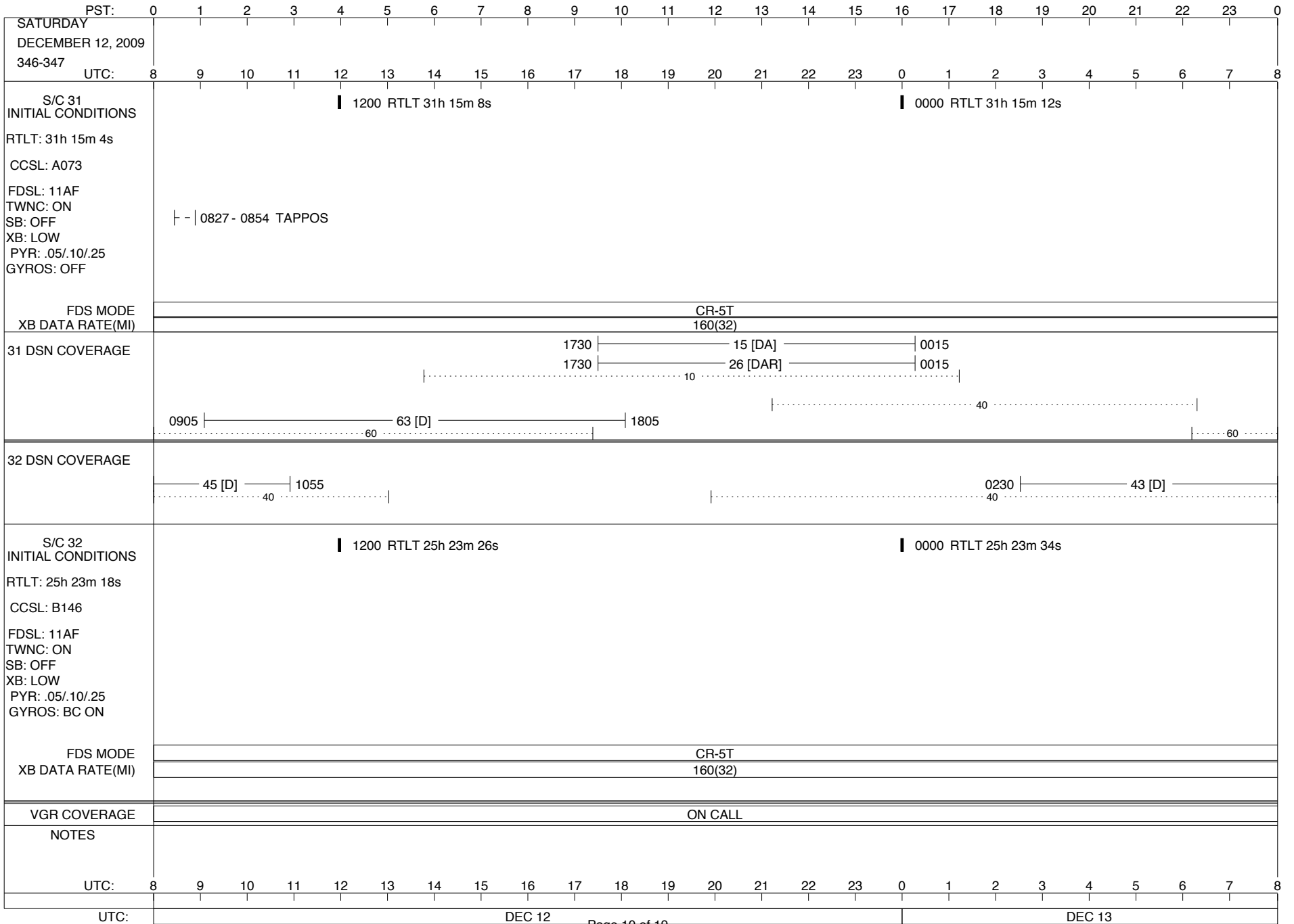
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WEDNESDAY DECEMBER 9, 2009 343-344																																	
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S/C 31 INITIAL CONDITIONS	1200 RTLT 31h 14m 42s														0000 RTLT 31h 14m 46s																		
RTLT: 31h 14m 38s	1558 ----- MAGCAL ----- 1913														1558 ----- PESCAL ----- 1931																		
CCSL: A073	1953 1957 IMPLEMENT RFLOSS FPA MOD - ECR 108662																																
FDSL: 11AF	* 2112 2131 TLMPRG																																
TWNC: ON	----- TLC (SHORT-FORM) ----- D/L 0018																																
SB: OFF	* * 2051 EL-40 ↓ ↓ 2131 CR-5T																																
XB: LOW	FDS MODE CR-5T														CR-5T																		
PYR: .05/10/25	XB DATA RATE(MI) 160(32)														160(32)																		
GYROS: OFF																																	
31 DSN COVERAGE	1810 15 [DA] 1940														1810 25 [DAR] 1940																		
	1920 ----- 14 [D] ----- 0015														10 ----- 40 ----- 60																		
	1535 ----- 63 [D] ----- 1815														40 ----- 60 -----																		
32 DSN COVERAGE	43 [B] 0920 ----- 40 -----														0310 ----- 43 [D] ----- 40 ----- 60 -----																		
S/C 32 INITIAL CONDITIONS	1200 RTLT 25h 22m 40s														0000 RTLT 25h 22m 48s																		
RTLT: 25h 22m 32s	2302 ----- COMMAND MORATORIUM -----																																
CCSL: B146																																	
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														VGR				ON CALL														
NOTES	[1] S/C 31=EL-40 @ 2051 XB=40(30) [2] S/C 31=CR-5T @ 2134 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								
UTC:	DEC 09														DEC 10																		

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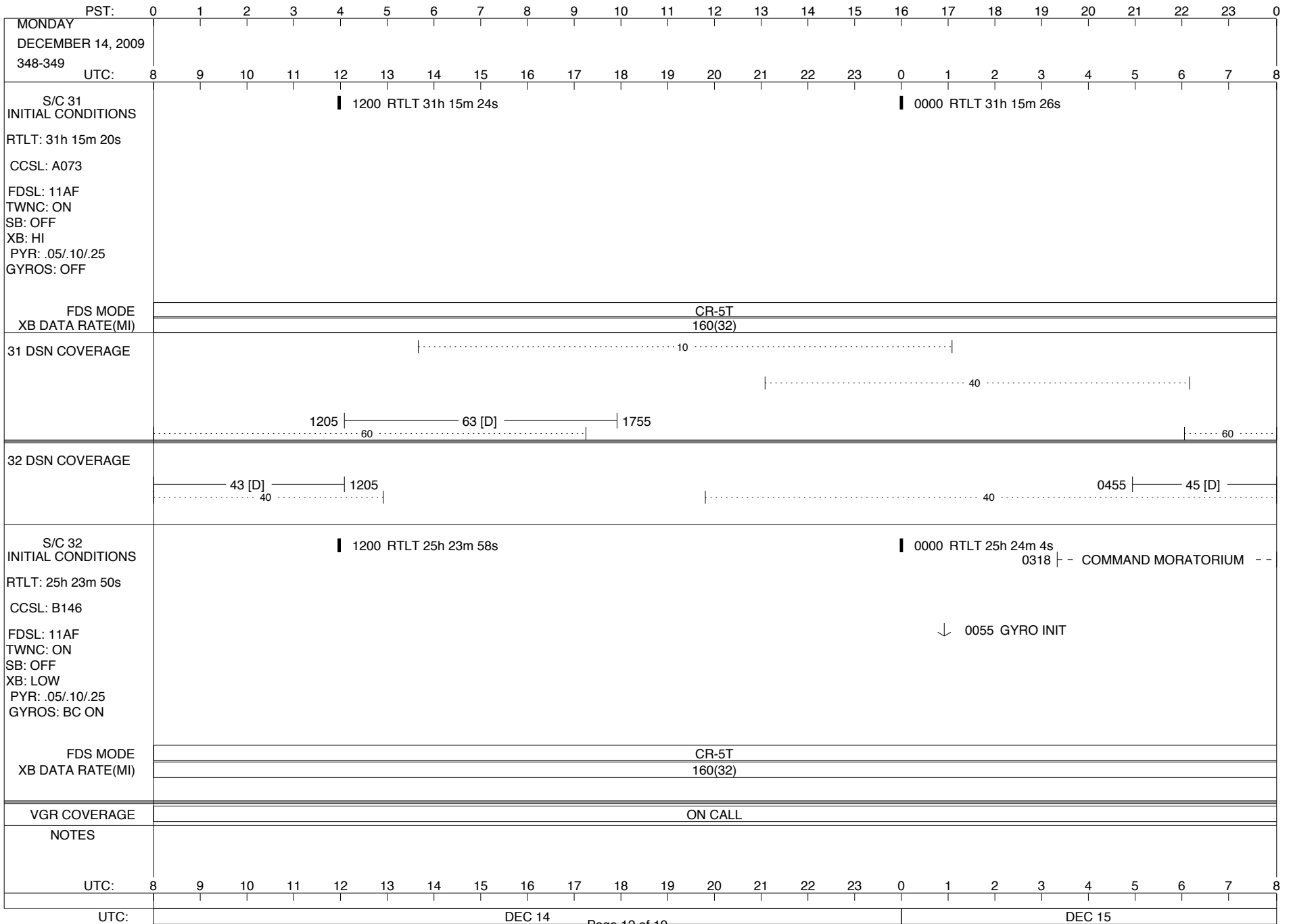
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THURSDAY DECEMBER 10, 2009 344-345																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS RTLT: 31h 14m 46s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200																					
FDS MODE XB DATA RATE(MI)																										
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 25h 22m 48s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 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:																										



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



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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			
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TUESDAY DECEMBER 15, 2009 349-350																													
S/C 31 INITIAL CONDITIONS RTLT: 31h 15m 26s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 31h 15m 30s												1615 DUMMY (23:31)												0000 RTLT 31h 15m 34s			
FDS MODE XB DATA RATE(MI)		CR-5T						PB-14						CR-5T						CR-5T									
		160(32)						1.4K(39)						160(32)						160(32)									
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS RTLT: 25h 24m 4s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON		1200 RTLT 25h 24m 12s												COMMAND MORATORIUM												0000 RTLT 25h 24m 20s			
FDS MODE XB DATA RATE(MI)		CR-5T												EH-12						CR-5T									
		160(32)																		160(32)									
VGR COVERAGE		ON CALL							VGR							ON CALL							VGR						
NOTES		[1] S/C 31=PB-14 @ 1751 XB=1.4K(39) [2] S/C 31=CR-5T @ 2054 XB=160(32) [3] S/C 31=GS-4B @ 2355 XB=2.8K(41) NOT RECOVERABLE														[4] S/C 32=EH-12 @ 0427 XB=1.2K(39) [5] S/C 32=CR-5T @ 0531 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			
UTC:		DEC 15														DEC 16													

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	
WEDNESDAY DECEMBER 16, 2009 350-351	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 34s 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 20s 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	
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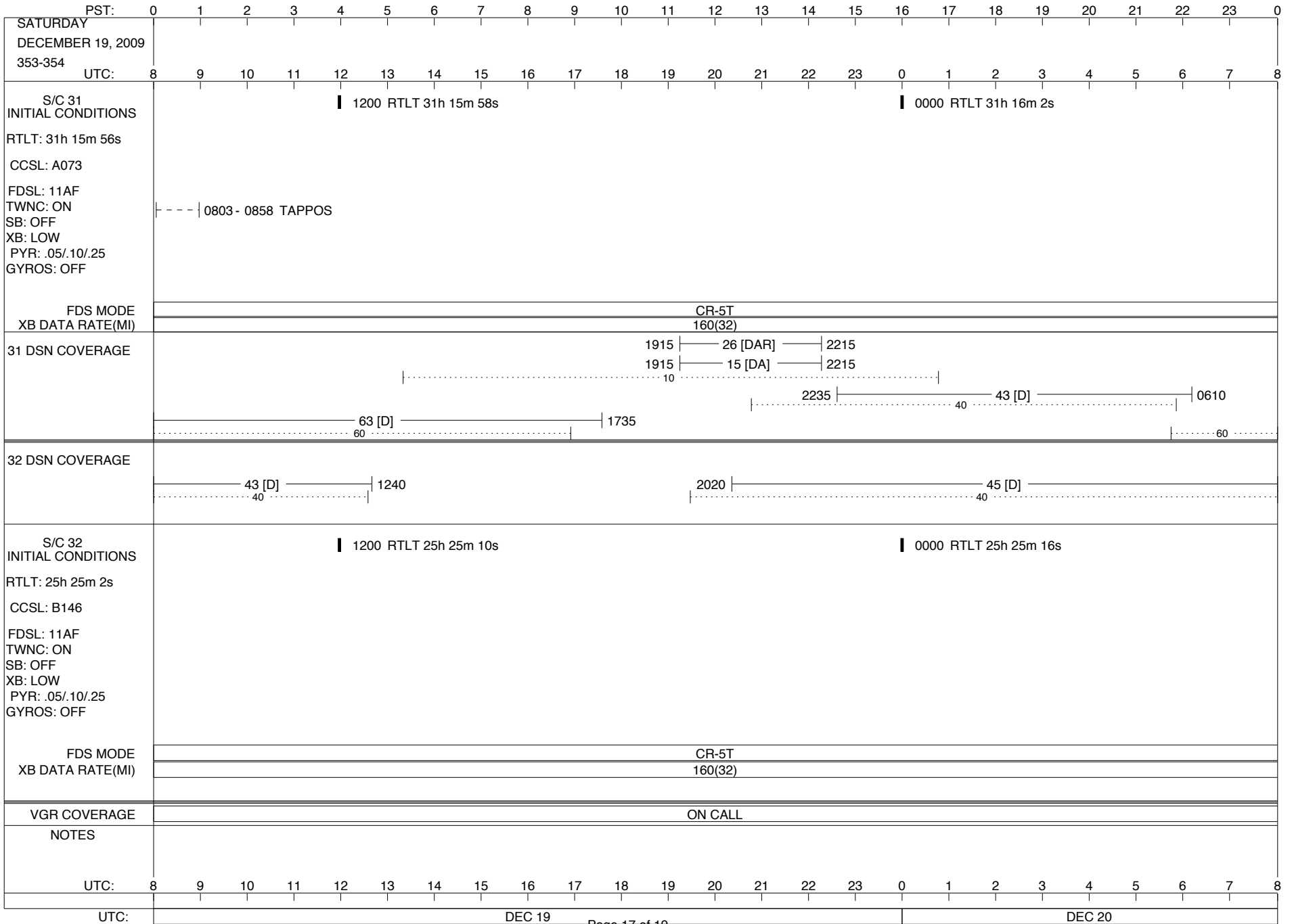
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UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLT: 31h 15m 42s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 31h 15m 46s														0000 RTLT 31h 15m 48s													
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)													
31 DSN COVERAGE	<p>.....10.....</p> <p>.....40.....</p> <p>.....1530 ---63 [D]--- 1745.....</p> <p>.....60.....60.....</p>																											
32 DSN COVERAGE	<p>---43 [D]--- 1015.....</p> <p>.....40.....2245 -----43 [D]-----</p> <p>.....40.....</p>																											
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 RTLT 25h 24m 42s														0000 RTLT 25h 24m 48s													
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)													
VGR COVERAGE	VGR														VGR													
NOTES	[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0109-0704)																											
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 17														DEC 18													

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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 RTLTL: 31h 15m 48s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 31h 15m 52s												0000 RTLTL 31h 15m 56s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1600 14 [D] 1805												0556 GS-4B 0556 ↓												
	1200 63 [D] 1620												0254 -- 0335 TAPPOS 0556 0556 PWS/RH												
32 DSN COVERAGE	43 [D] 1210												0440 43 [D]												
S/C 32 INITIAL CONDITIONS RTLTL: 25h 24m 48s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 25h 24m 56s												0000 RTLTL 25h 25m 2s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												0539												
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												

ISSUE DATE: 12/03/09 02:48



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S/C 31 INITIAL CONDITIONS RTLTL: 31h 16m 2s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█	1200	RTLTL 31h 16m 4s											█	0000	RTLTL 31h 16m 8s					
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 25h 25m 16s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█	1200	RTLTL 25h 25m 24s											█	0000	RTLTL 25h 25m 30s					
FDS MODE XB DATA RATE(MI)																									
VGR COVERAGE																									
NOTES																									
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UTC:	DEC 20													DEC 21											

ISSUE DATE: 12/03/09 02:48

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S/C 31 INITIAL CONDITIONS RTLT: 31h 16m 8s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 31h 16m 10s																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	<div style="text-align: center;"> 1200 ----- 63 ----- 1730 60 </div>																								
32 DSN COVERAGE	<div style="text-align: center;"> 0830 43 [D] 40 </div>																								
S/C 32 INITIAL CONDITIONS RTLT: 25h 25m 30s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 25h 25m 36s																								
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:	DEC 21												DEC 22												