

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 18, 2009

For the Period: 11/19/09 to 12/07/09 (09-323 – 09-341)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (15) 600-100

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 Ludwig, R. (2)
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 Matsumoto, S.
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LEGEND:

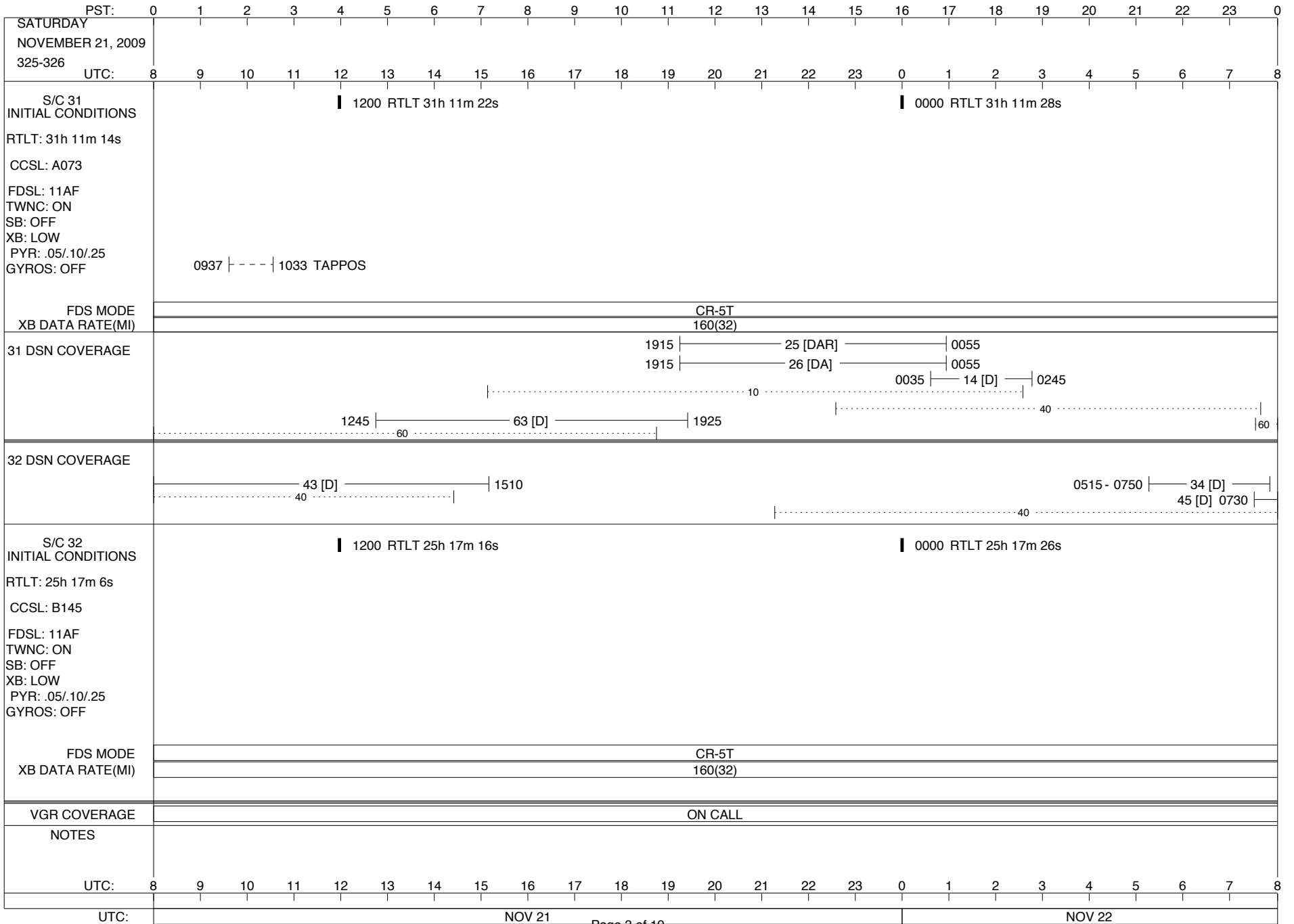
∇ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = 7-Point BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U = Uplink only pass
 [o] = Ramp-through

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

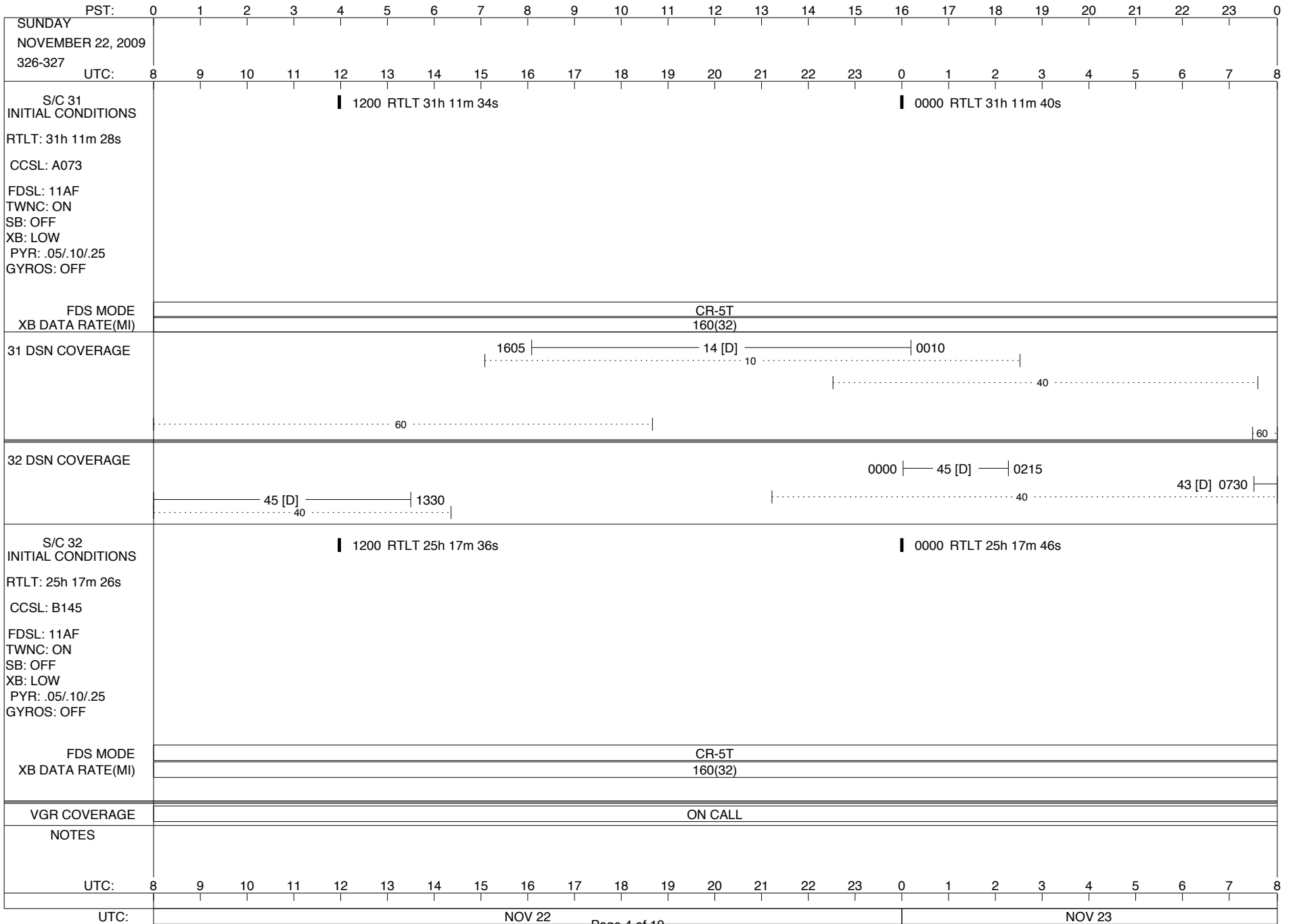
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S/C 31 INITIAL CONDITIONS	1200 RTLT 31h 11m 8s												0000 RTLT 31h 11m 14s													
RTLTL: 31h 11m 0s																										
CCSL: A073	-----TLC (SHORT-FORM)-----+ D/L - 0254																									
FDSL: 11AF	0427 ----- 0537 TAPPOS																									
TWNC: ON	PWS/RH 0730 - 0731																									
SB: OFF	0730 GS-4B 0731 ↓																									
XB: LOW																										
PYR: .05/10/25																										
GYROS: OFF																										
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
31 DSN COVERAGE10.....2330 -----14 [D]----- 025540.....1345 -----63 [D]----- 193060.....60																									
32 DSN COVERAGE1030 -----43 [D]----- 144540.....40.....0635 -----43 [D]-----																									
S/C 32 INITIAL CONDITIONS	1200 RTLT 25h 16m 56s												0000 RTLT 25h 17m 6s													
RTLTL: 25h 16m 48s																										
CCSL: B145																										
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	[1] S/C 31=GS-4B @ 0730 XB=2.8K(41) NOT RECOVERABLE																									
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UTC:	NOV 20													NOV 21												

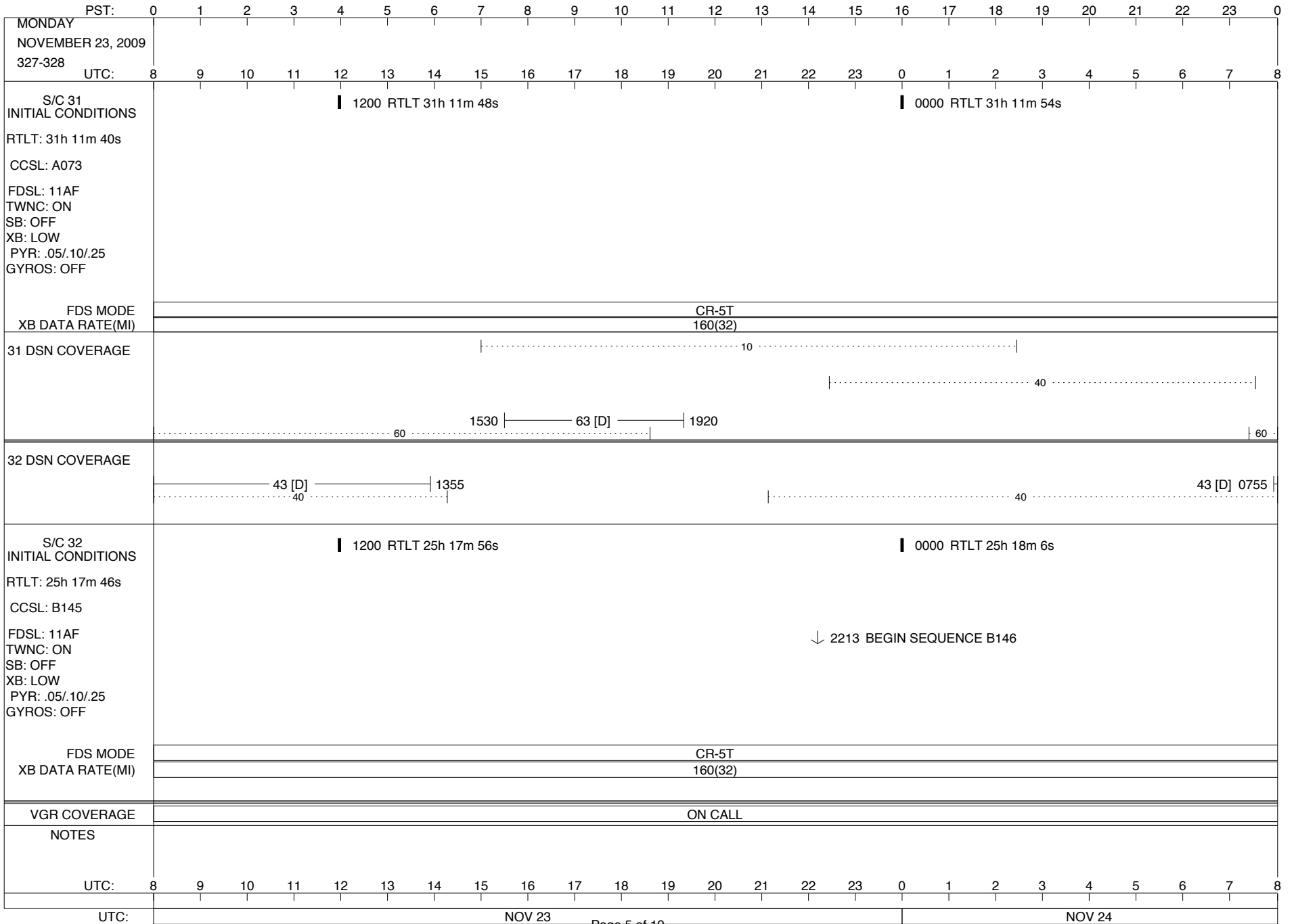
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ISSUE DATE: 11/19/09 15:53



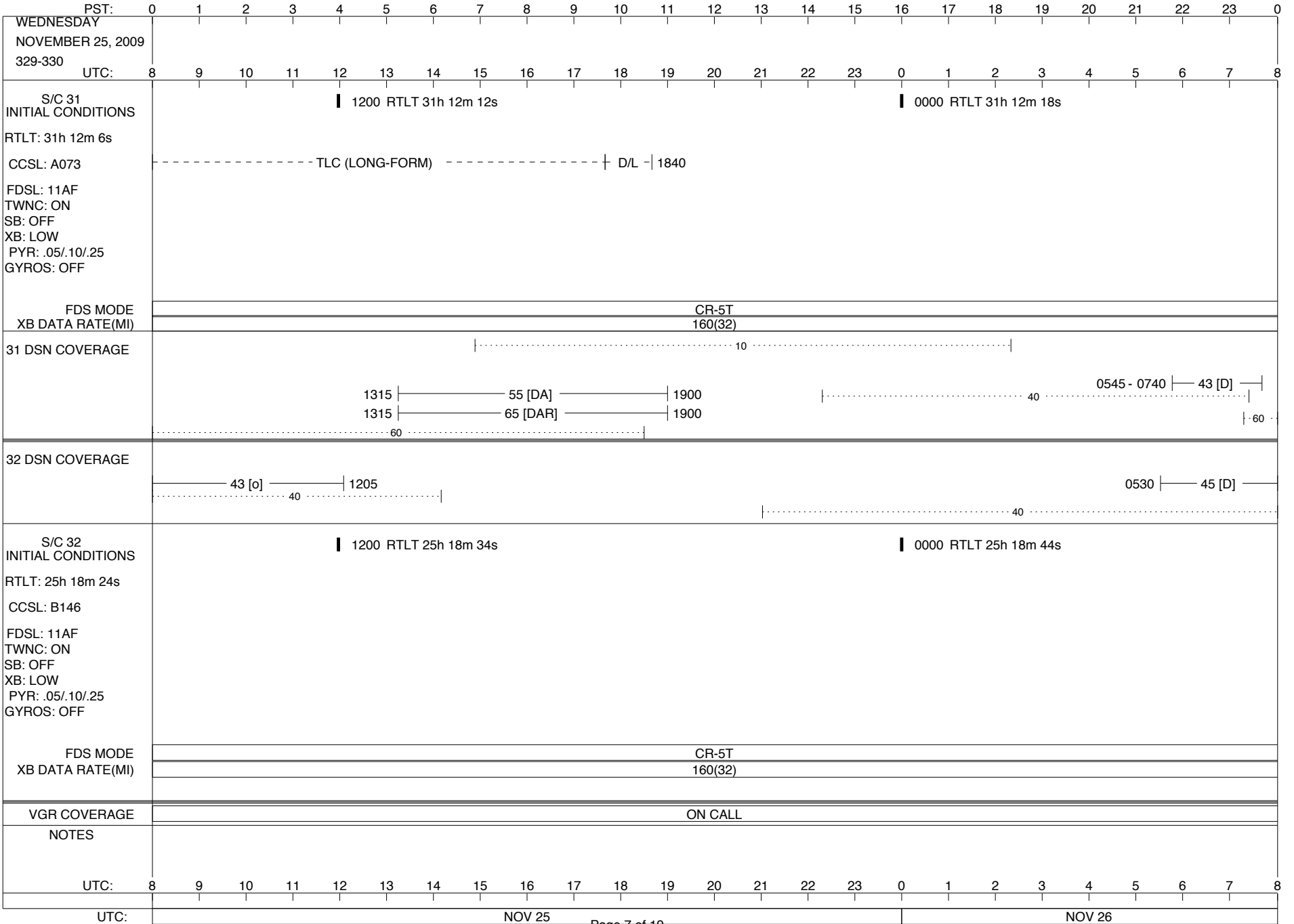
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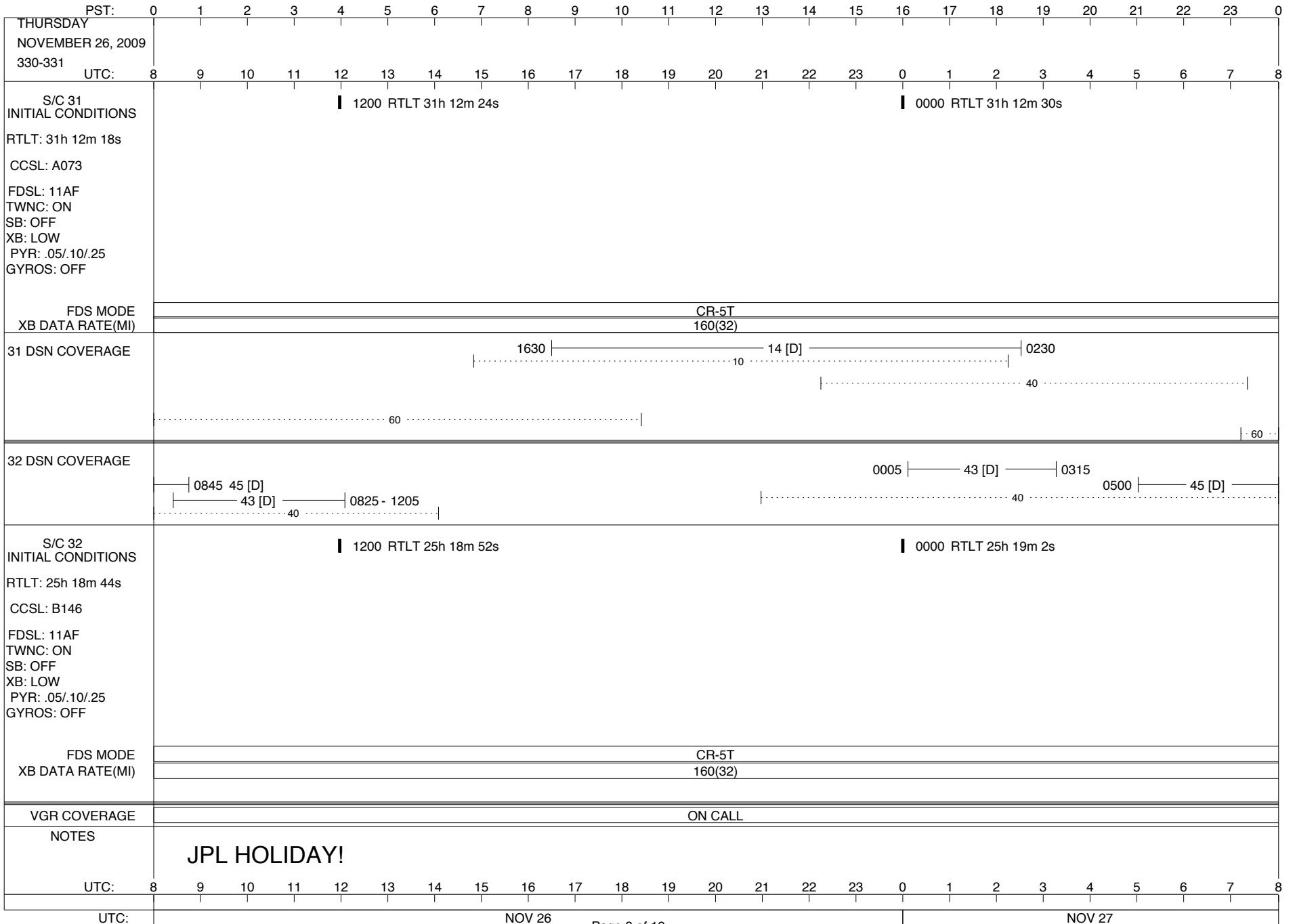
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PST: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0		
TUESDAY NOVEMBER 24, 2009 328-329		
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8		
S/C 31 INITIAL CONDITIONS RTLT: 31h 11m 54s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF FDS MODE XB DATA RATE(MI)	1200 RTLT 31h 12m 0s 0000 RTLT 31h 12m 6s U/L 1000 - - - - - TLC (LONG-FORM) - - - - - ▼ 1730 DUMMY (00:42) 0106 0107 PWS/RH ↓ 0106 GS-4B 0107 CR-5T CR-5T 160(32) 160(32)	
	31 DSN COVERAGE 10 40 -----63 [T]----- 0810 - 1740 -----60----- 60 .	
	32 DSN COVERAGE -----43 [D]----- 1325 -----40----- 40 0525 -----43 [o]-----	
	S/C 32 INITIAL CONDITIONS RTLT: 25h 18m 6s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF FDS MODE XB DATA RATE(MI)	1200 RTLT 25h 18m 14s 0000 RTLT 25h 18m 24s CR-5T 160(32)
	VGR COVERAGE ON CALL VGR ON CALL	
	NOTES [1] S/C 31=GS-4B @ 0106 XB=2.8K(41) NOT RECOVERABLE	
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	UTC: NOV 24	NOV 25

ISSUE DATE: 11/19/09 15:53



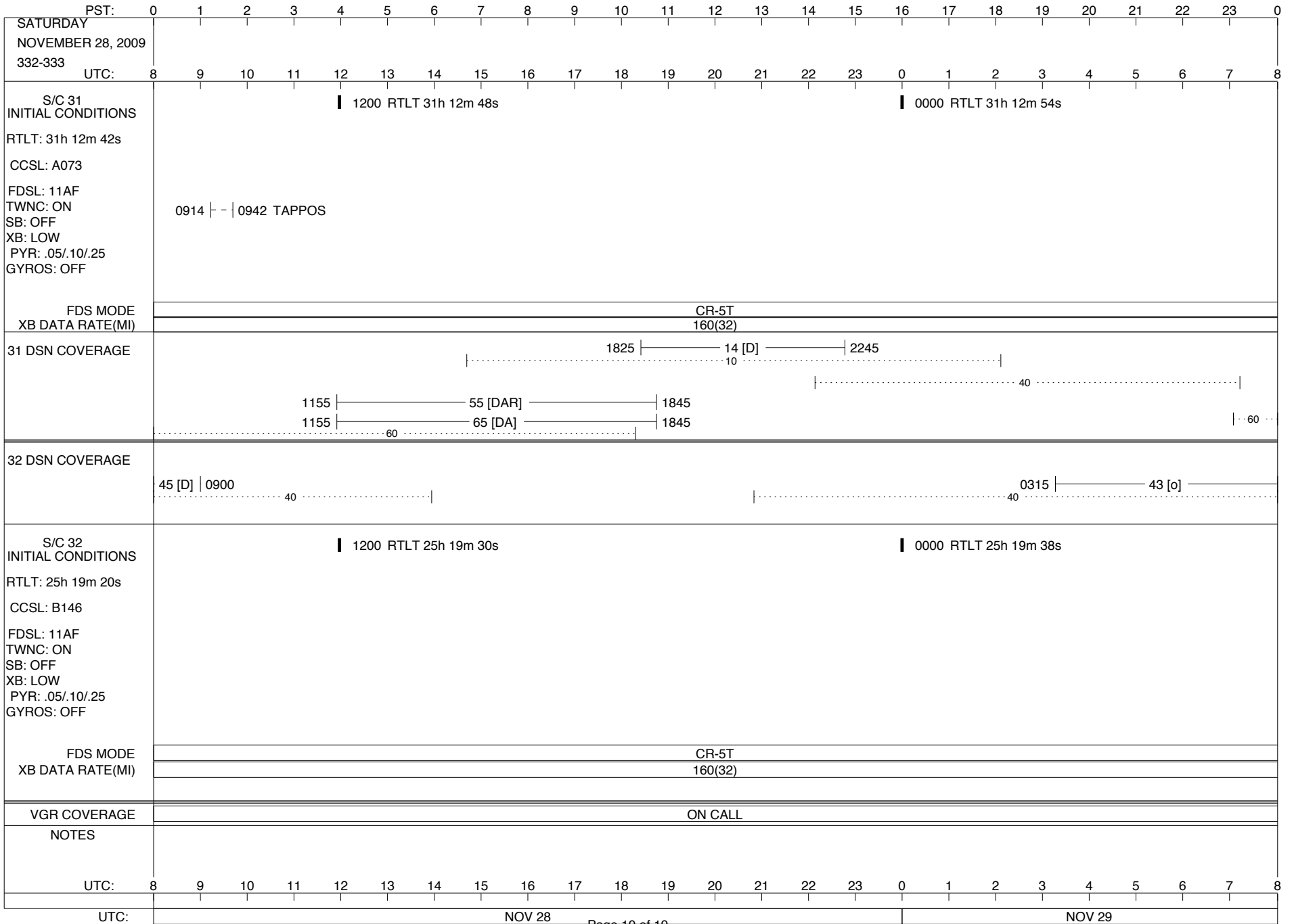
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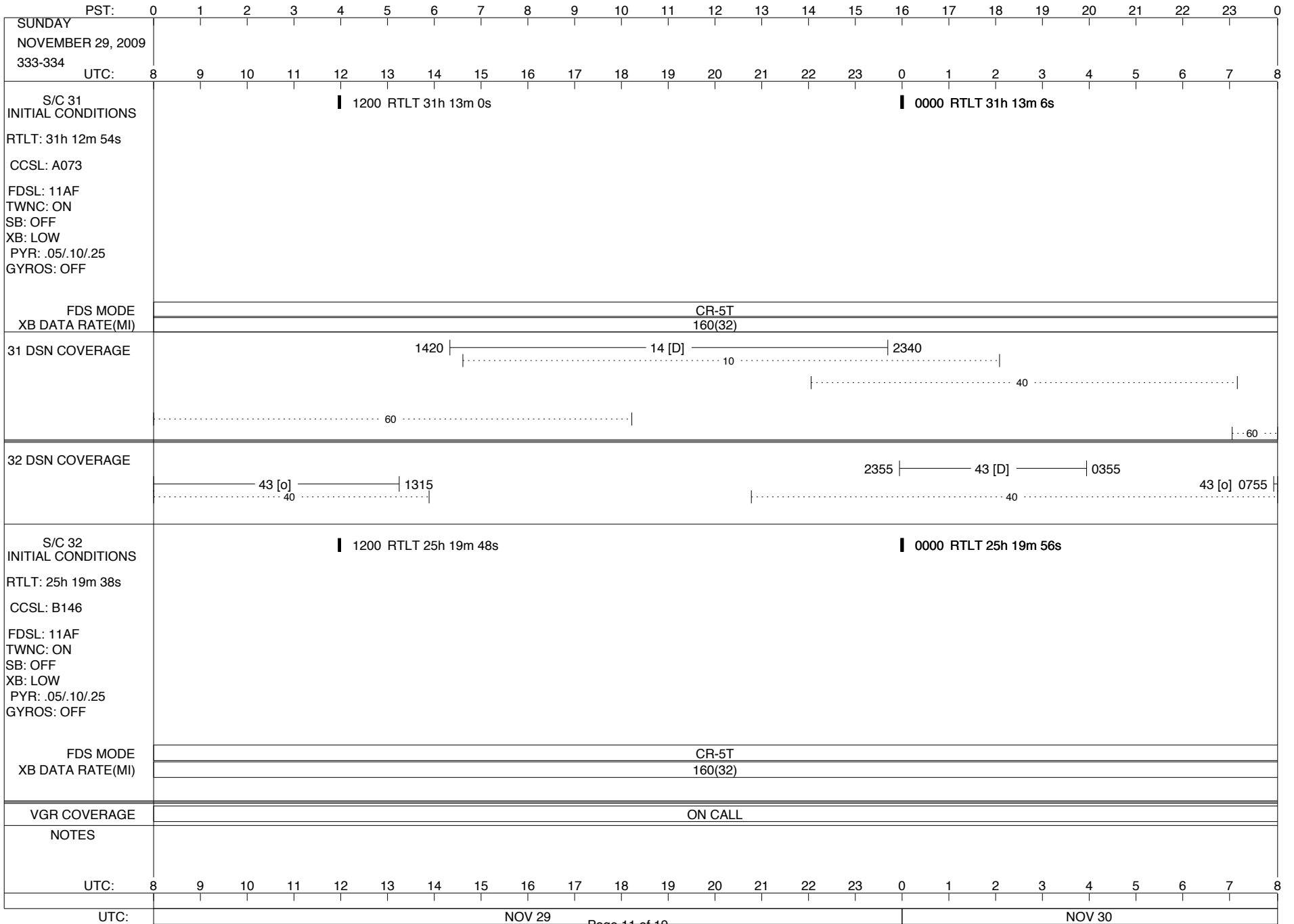
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S/C 31 INITIAL CONDITIONS	1200 RTLT 31h 12m 36s												0000 RTLT 31h 12m 42s													
RTLT: 31h 12m 30s																										
CCSL: A073																										
FDSL: 11AF																										
TWNC: ON																										
SB: OFF																										
XB: LOW																										
PYR: .05/.10/.25																										
GYROS: OFF																										
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> 10..... </div> <div style="display: flex; justify-content: space-between;"> 40..... </div> <div style="display: flex; justify-content: space-between;"> 63 [D]..... 0805 - 1900 60..... 60 .. </div>																									
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> 45 [D]..... 1310 0205 45 [D]..... 40..... </div>																									
S/C 32 INITIAL CONDITIONS	1200 RTLT 25h 19m 10s												0000 RTLT 25h 19m 20s													
RTLT: 25h 19m 2s																										
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																									
NOTES	<p>[1] S/C 31=GS-4B @ 0707 XB=2.8K(41) NOT RECOVERABLE</p> <p style="text-align: center;">JPL HOLIDAY!</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:	NOV 27												NOV 28													

ISSUE DATE: 11/19/09 15:53



ISSUE DATE: 11/19/09 15:53

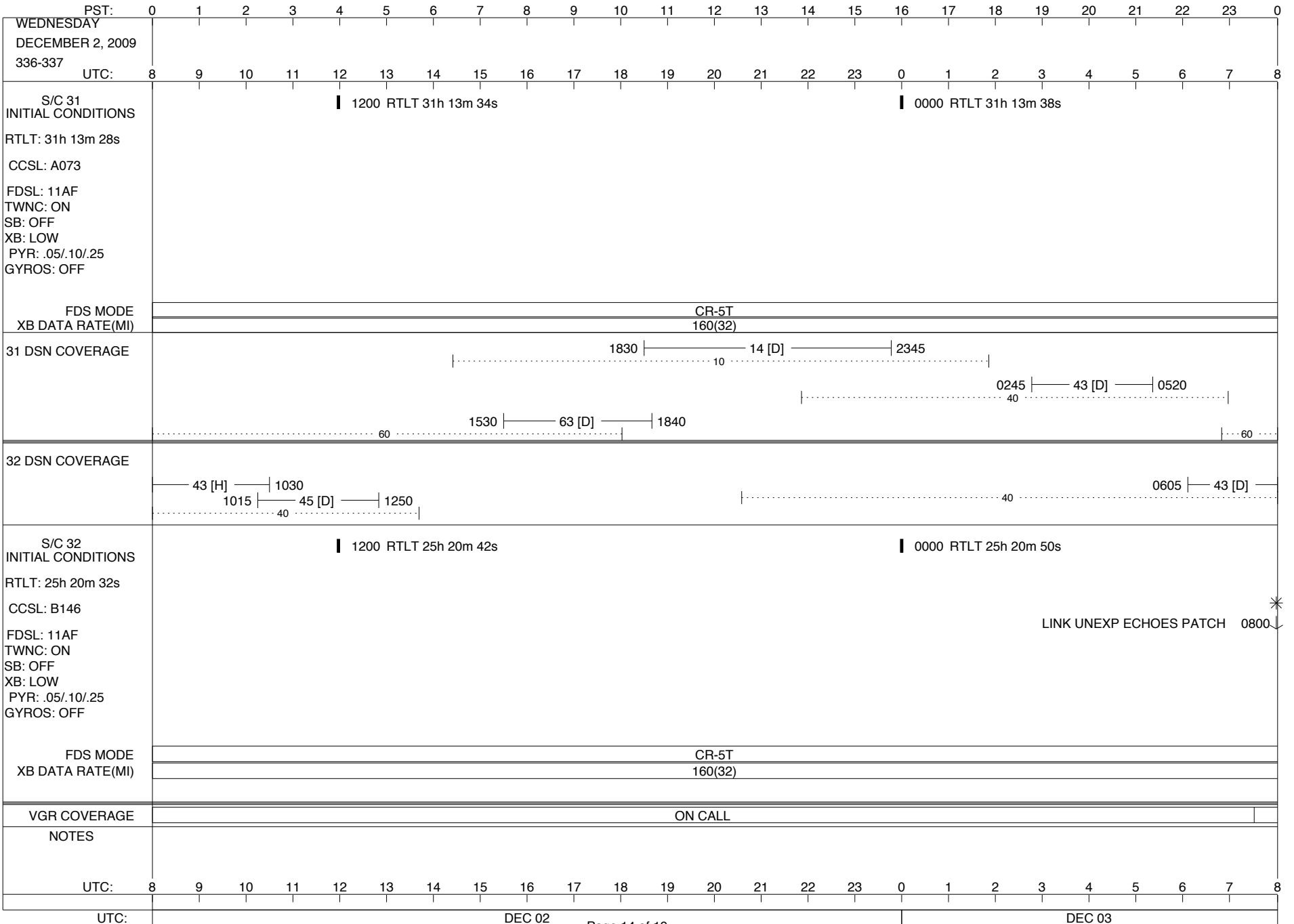


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MONDAY NOVEMBER 30, 2009 334-335																									
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S/C 31 INITIAL CONDITIONS RTLT: 31h 13m 6s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 31h 13m 12s 0000 RTLT 31h 13m 16s ▼ 1400 DUMMY (21:13) ▼ 1417 EL-40 (21:30) ▼ 1439 HPOINTS, FIRST HALF (21:52) ECR 109083 ▼ 1517 CR-5T (22:30) U/L 1540 - ----- TLC (SHORT-FORM) -----																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	----- 10 ----- ----- 40 ----- 1315 ----- 63 [T] ----- 1850 ----- 60 ----- ----- 60 -----																								
32 DSN COVERAGE	----- 43 [o] ----- 1410 ----- 40 ----- ----- 40 ----- 0530 ----- 43 [D] -----																								
S/C 32 INITIAL CONDITIONS RTLT: 25h 19m 56s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 25h 20m 6s 0000 RTLT 25h 20m 14s ↓ 1200 MEMUPD - UNEXP ECHOES PATCH - ECR 109082 1202 1202 AACS SID MRO 1302 1302 AACS SID MRO																								
FDS MODE XB DATA RATE(MI)	CR-5T 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
UTC:	NOV 30														DEC 01										

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 1, 2009 335-336																									
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 13m 16s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 31h 13m 22s												0000 RTLTL 31h 13m 28s												
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	1645 ----- 14 [D] ----- 0025 ----- 10 -----												2153 * 2200 HPOINT RECEIPT D/L * 2131 EL-40 ↓ 2231 CR-5T ↓ 0043 GS-4B 0044 0043 0044 PWS/RH ----- TLC (SHORT-FORM) ----- D/L - 0021												
32 DSN COVERAGE	43 [D] ----- 1115 ----- 40 -----												0600 ----- 43 [H] ----- ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 25h 20m 14s CCSL: B146 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 25h 20m 24s												0000 RTLTL 25h 20m 32s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=EL-40 @ 2131 XB=40(30) [2] S/C 31=CR-5T @ 2231 XB=160(32) [3] S/C 31=GS-4B @ 0043 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 01												DEC 02												

ISSUE DATE: 11/19/09 15:53



ISSUE DATE: 11/19/09 15:53

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

THURSDAY
DECEMBER 3, 2009
337-338 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 13m 38s
CCSL: A073
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 31h 13m 44s

0000 RTLT 31h 13m 48s

FDS MODE
XB DATA RATE(MI) CR-5T
160(32)

31 DSN COVERAGE
1830 | 25 [DAR] | 0020
1830 | 26 [DA] | 0020
10
1530 | 63 [D] | 1840
40
60 60

32 DSN COVERAGE
43 [D] | 1205
40
0530 | 43 [D]
40

S/C 32
INITIAL CONDITIONS
RTLT: 25h 20m 50s
CCSL: B146
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 25h 20m 58s

0000 RTLT 25h 21m 8s

*
0800 LINK UNEXP ECHOES PATCH
0801 - 0801 2 AACS SID MRO'S
0901 | 0901 2 AACS SID MRO'S

FDS MODE
XB DATA RATE(MI) CR-5T
160(32)

VGR COVERAGE VGR ON CALL

NOTES

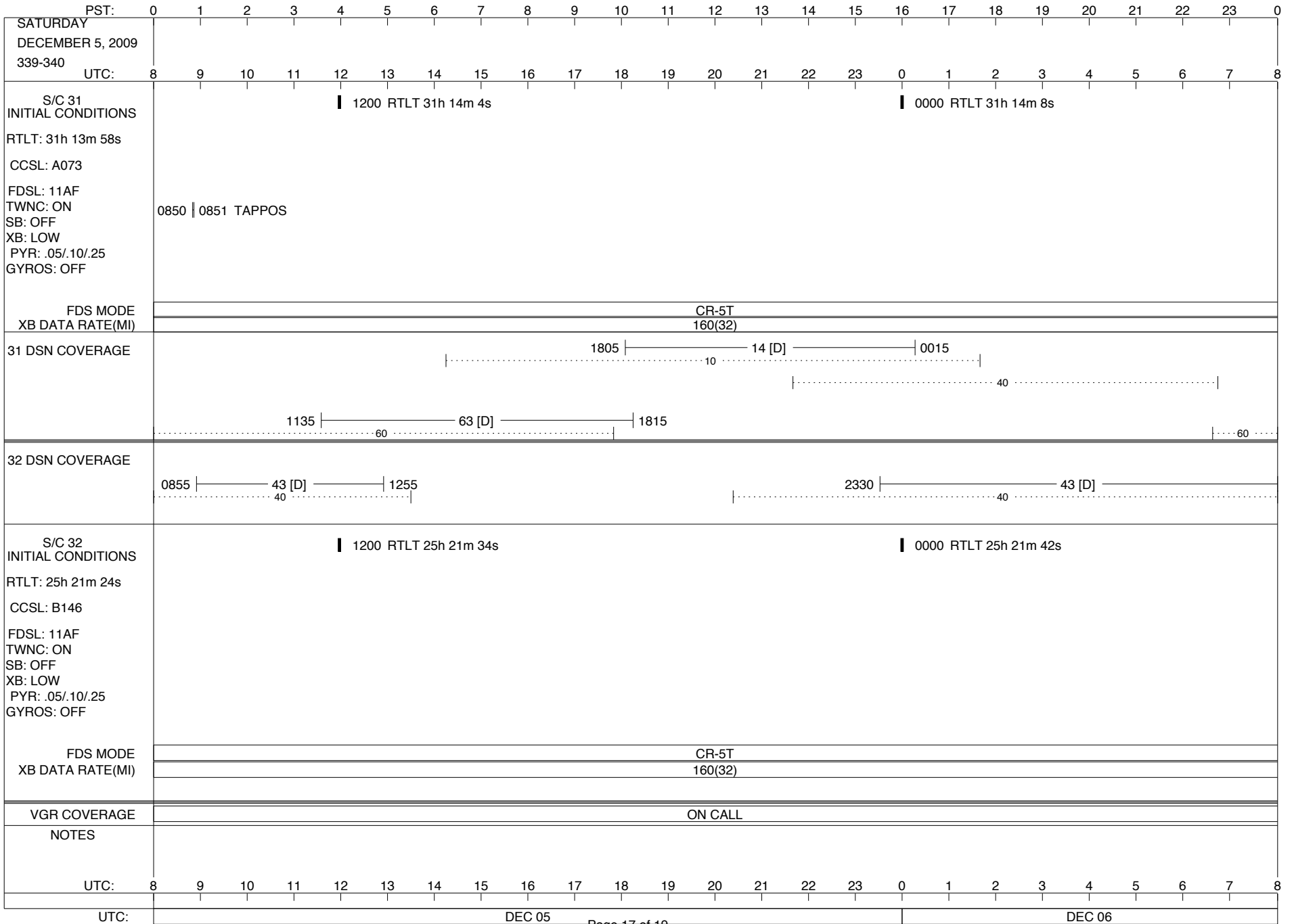
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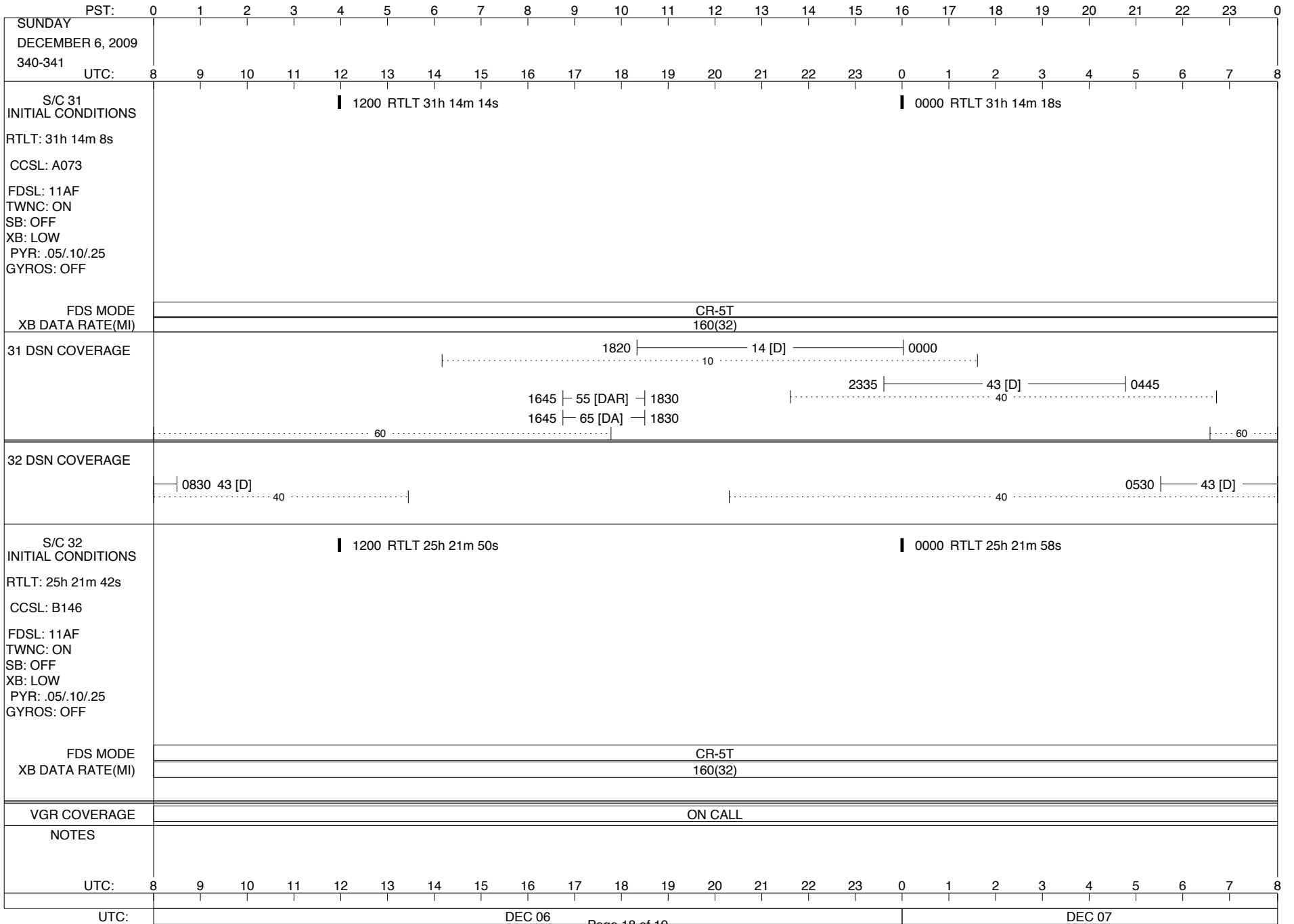
UTC: DEC 03 Page 15 of 19 DEC 04

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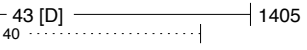

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S/C 31 INITIAL CONDITIONS RTLTL: 31h 13m 48s CCSL: A073 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 31h 13m 54s													0000 RTLTL 31h 13m 58s													
																					0341 0355 TAPPOS			PWS/RH 0643 0644			
	0643 GS-4B 0644 ↓																										
FDS MODE	CR-5T													CR-5T													
XB DATA RATE(MI)	160(32)													160(32)													
31 DSN COVERAGE	----- 10 -----													----- 40 -----													
	1300 ----- 63 [D1] ----- 1835						----- 60 -----						----- 60 -----														
32 DSN COVERAGE	----- 43 [D] ----- 1330													----- 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													

ISSUE DATE: 11/19/09 15:53





ISSUE DATE: 11/19/09 15:53

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 RTLT: 31h 14m 18s 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 14m 24s</p> </div>																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	<div style="text-align: center;">  <p>1030 ----- 63 [D] ----- 1825 60</p> </div>																								
32 DSN COVERAGE	<div style="text-align: center;">  <p>43 [D] ----- 1405 40</p> </div>																								
S/C 32 INITIAL CONDITIONS RTLT: 25h 21m 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 22m 6s</p> </div>																								
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 07												DEC 08												