

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: December 7, 2011

For the Period: 12/08/2011 to 12/26/2011 (11-342 – 11-360)

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

**SCIENCE**

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

**DSOT (1) 230-102**

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 Howard, S. (3)  
 Ludwig, R. (2)  
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 Peralta, F.  
 Weeks, T.  
 Wong, R.  
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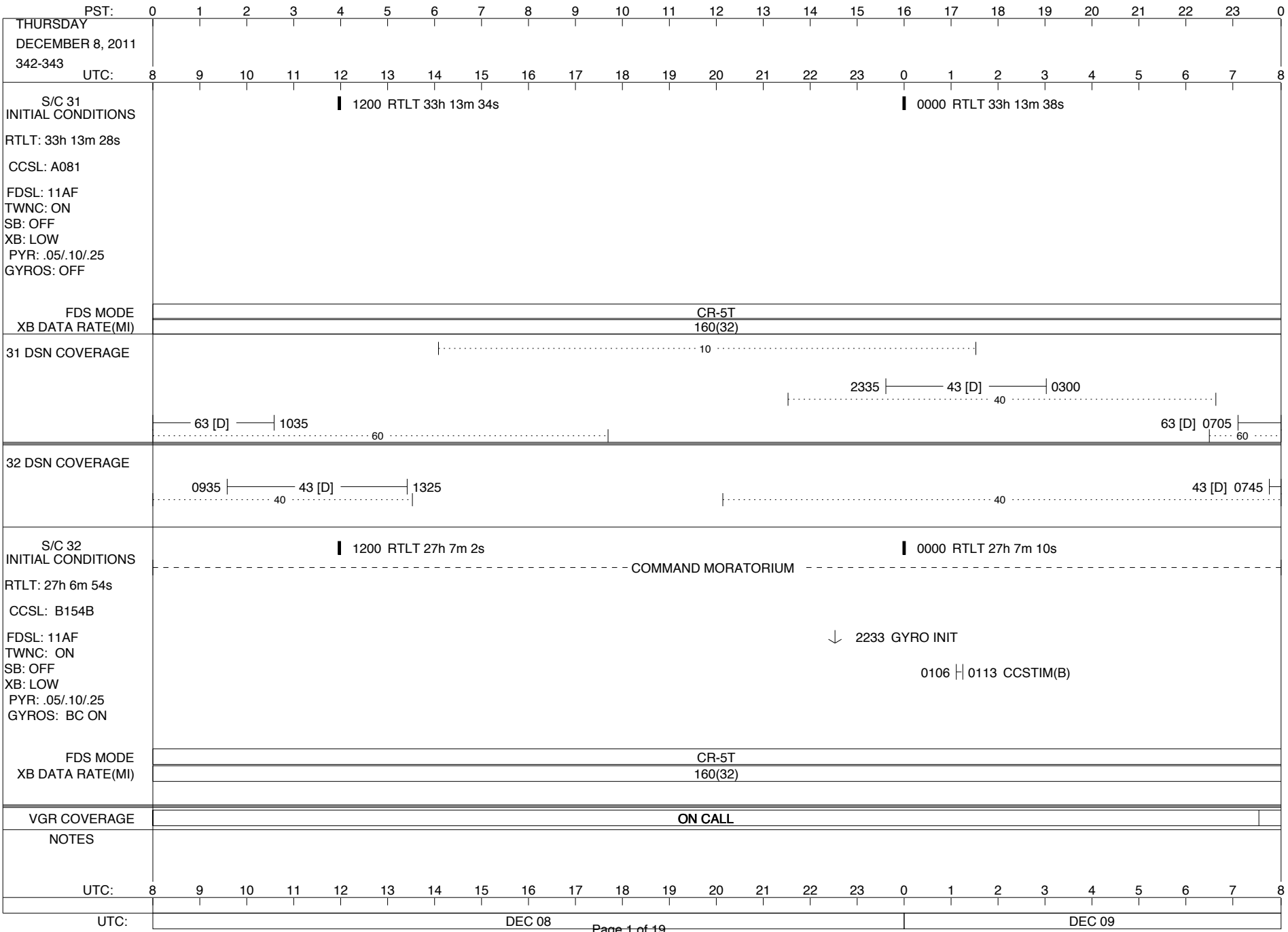
**OTHER**

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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  
 (16 – Dist/N: Paper Copies)  
 09/08/10



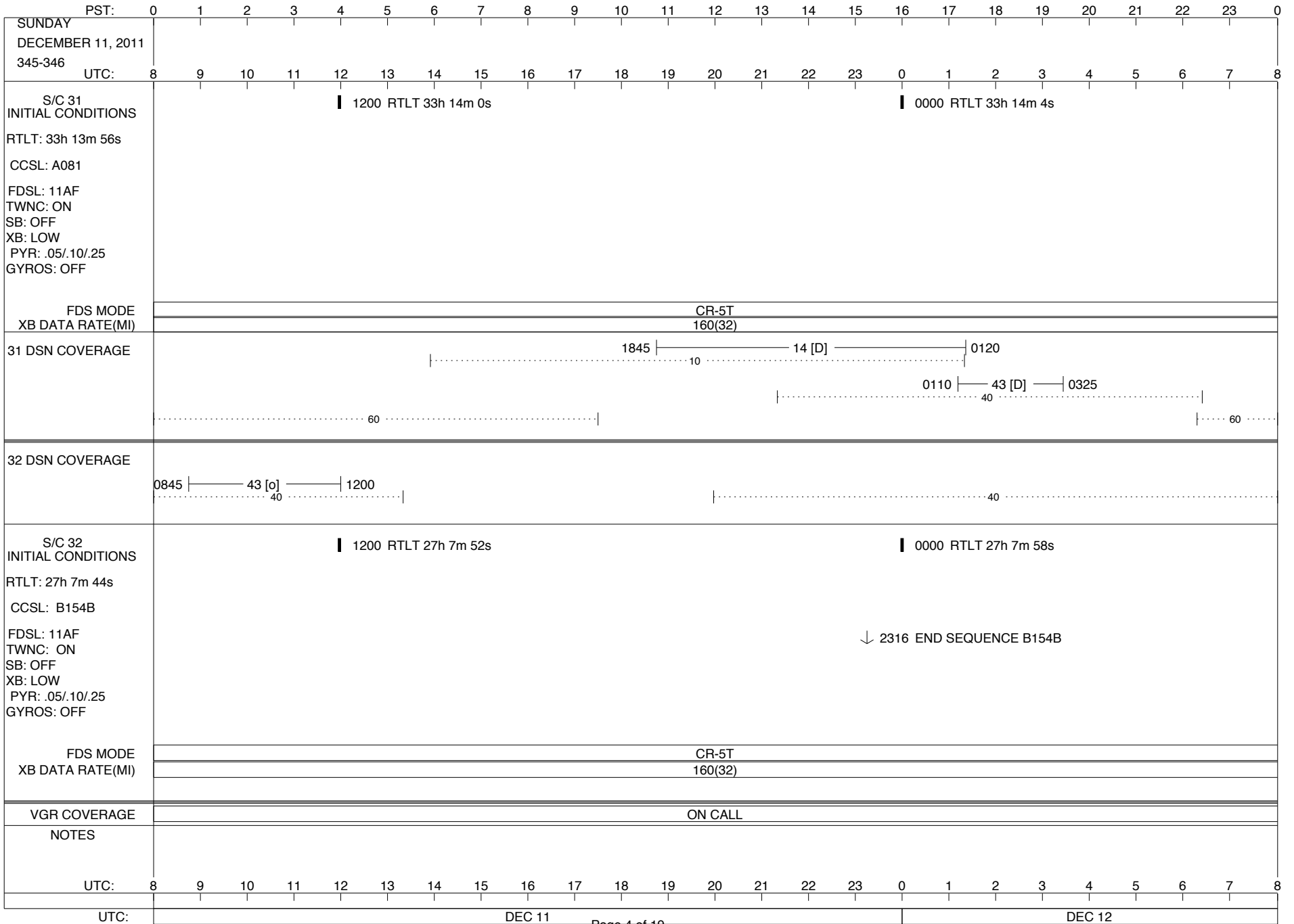
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S/C 31 INITIAL CONDITIONS RTLT: 33h 13m 38s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 13m 42s												0000 RTLT 33h 13m 48s												
																			0329   0329 TAPPOS			PWS/RH 0631   0631			
																								0631 GS-4B 0631 ↓ 0632	
FDS MODE											CR-5T										CR-5T				
XB DATA RATE(MI)											160(32)										160(32)				
31 DSN COVERAGE											.....10.....										.....40.....				
	63 [D]   0905																				.....60.....				
32 DSN COVERAGE	43 [D]   1145										2330   43 [D]   0500														
	.....40.....										.....40.....														
S/C 32 INITIAL CONDITIONS RTLT: 27h 7m 10s CCSL: B154B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 27h 7m 20s												0000 RTLT 27h 7m 28s												
	----- COMMAND MORATORIUM -----   0624																								
	↓ 0815 BAY 1 HTR OFF ↓ 0819 X/B HI POWER ↓ 0823 AAI   0826 - 0901 NEG ROLL TURN - 1 REV ↓ 0915 RAI ↓ 0921 GYROS OFF ↓ 0928 X/B LOW POWER ↓ 0932 BAY 1 HTR ON ↓ 0801 ↓ 0940																								
FDS MODE	EL-40										CR-5T														
XB DATA RATE(MI)	40(30)										160(32)														
VGR COVERAGE	VGR										ON CALL														
NOTES	[1] S/C 31=GS-4B @ 0631 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32=EL-40 @ 0801 XB=40(30)																								
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								

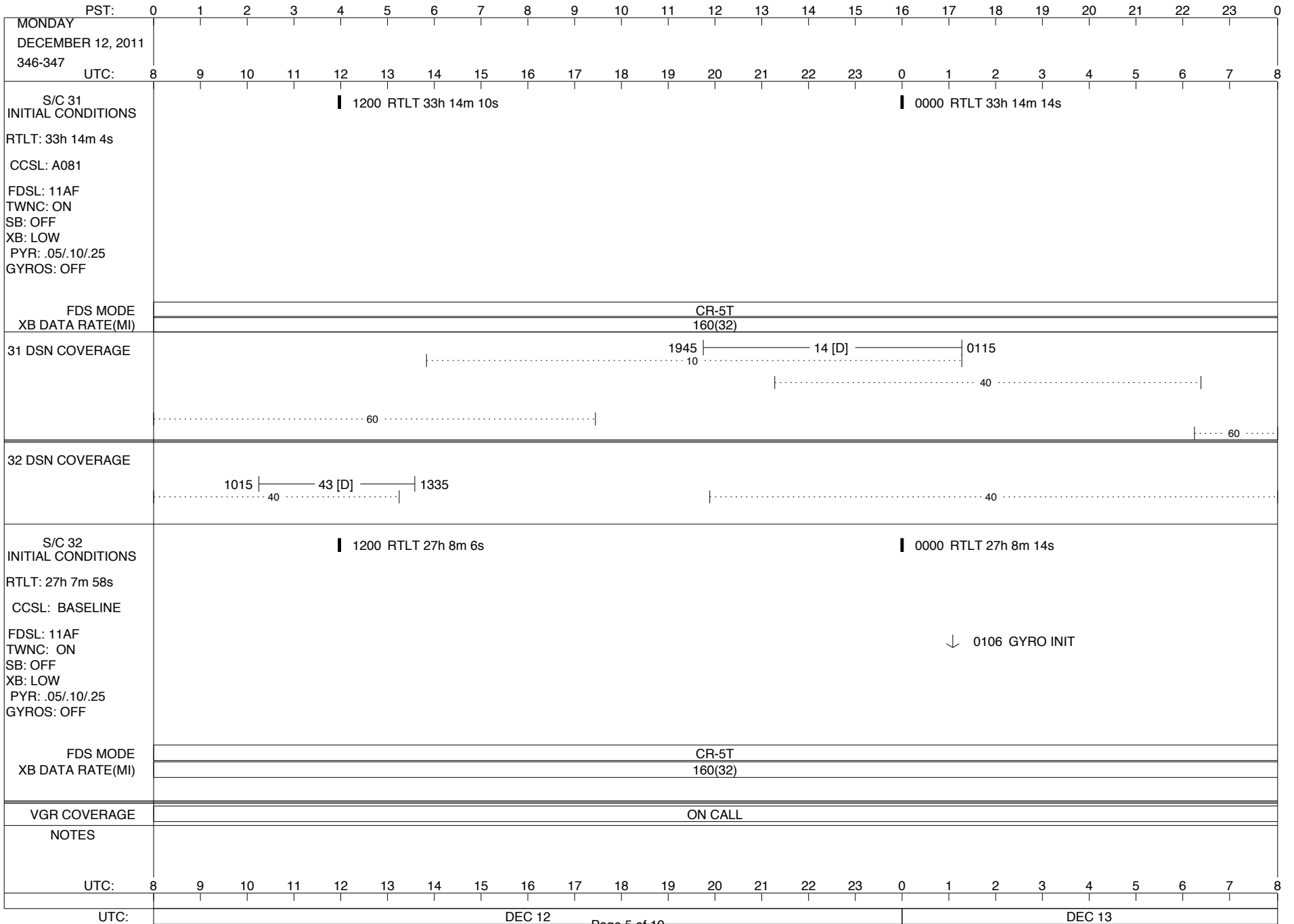
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S/C 31 INITIAL CONDITIONS RTLTL: 33h 13m 48s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200																█ 0000				
FDS MODE																									
XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 27h 7m 28s CCSL: B154B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200																█ 0000				
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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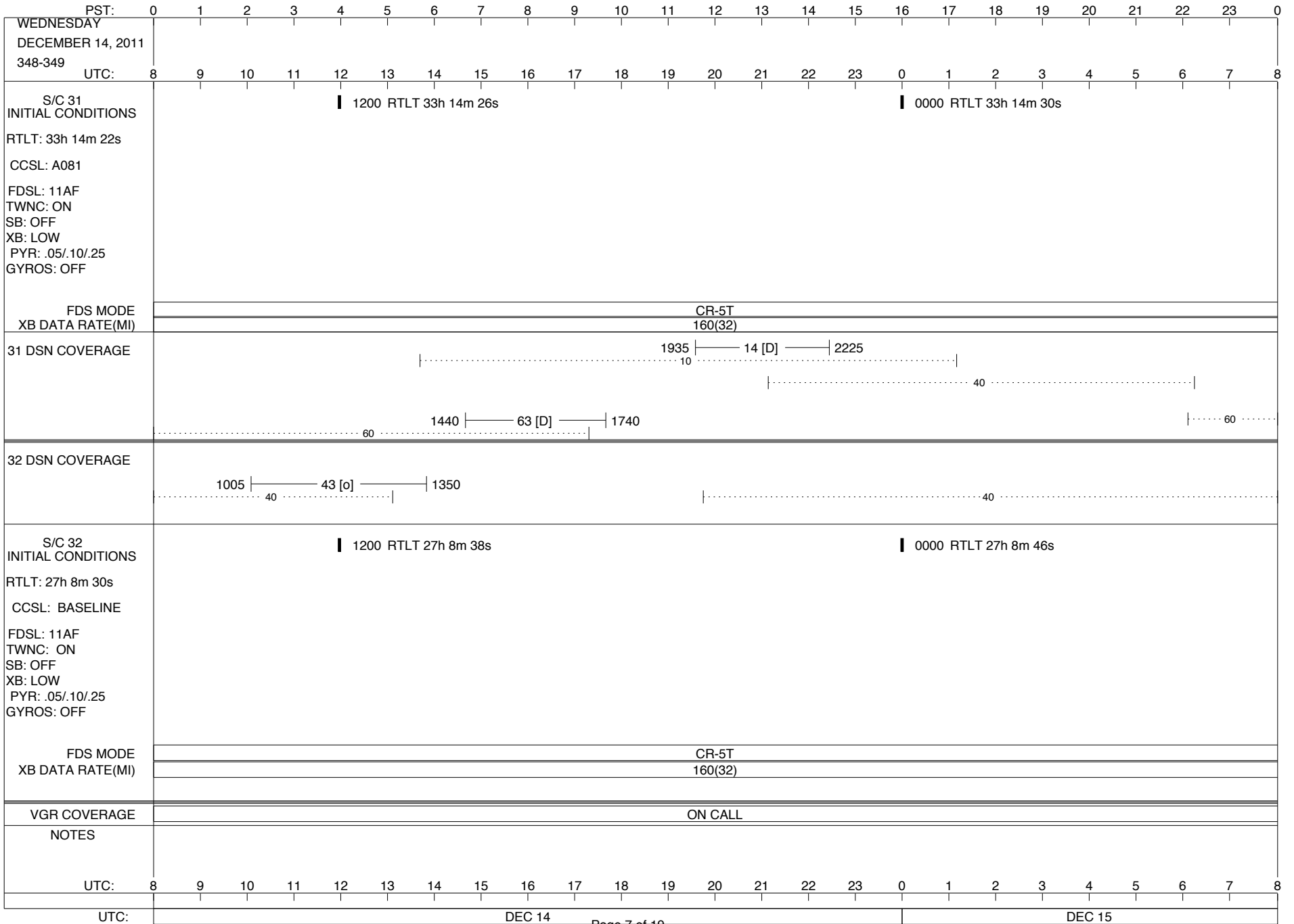


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TUESDAY DECEMBER 13, 2011 347-348	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 33h 14m 14s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 14m 18s												0000 RTLT 33h 14m 22s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1440   63 [D]   1740												0100   34 [D]   0325												
32 DSN COVERAGE	1055   43 [D]   1400												0115   PLSCAL -   0258 0115   --- MAGCAL ---   0418 0115   --- PESCAL ---   0435												
S/C 32 INITIAL CONDITIONS RTLT: 27h 8m 14s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 27h 8m 22s												0000 RTLT 27h 8m 30s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												ON CALL												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0007 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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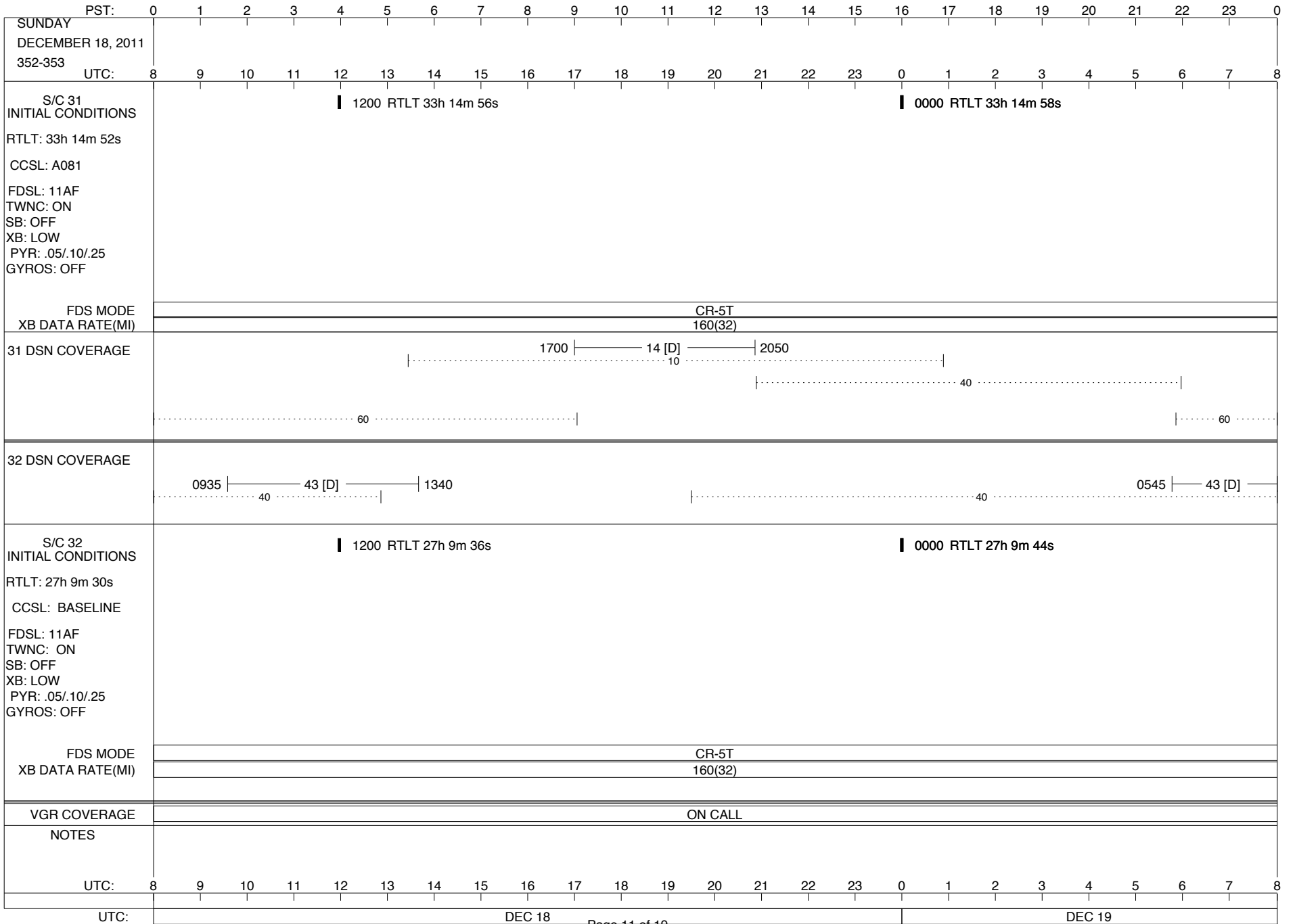
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S/C 31 INITIAL CONDITIONS RTLTL: 33h 14m 30s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 14m 34s												0000 RTLTL 33h 14m 38s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	2000   14 [T]   2200 10  -----  40  -----  60												-----  40  -----  60												
32 DSN COVERAGE	0955   43 [D]   1350 40  -----  40												0545   43 [o]   40												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 8m 46s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 27h 8m 52s												0000 RTLTL 27h 9m 0s												
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
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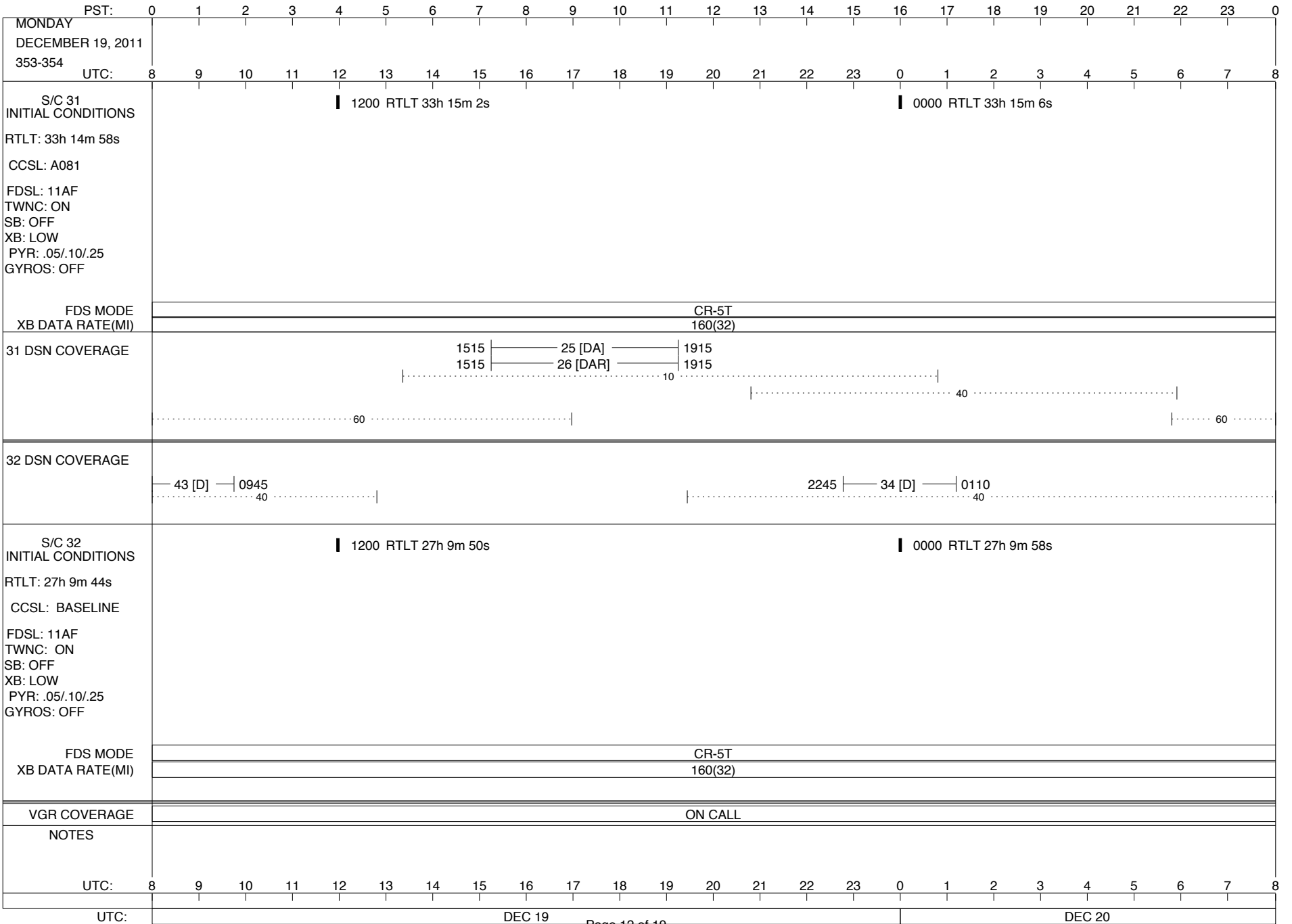
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FRIDAY DECEMBER 16, 2011 350-351	UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8				
S/C 31 INITIAL CONDITIONS RTLTL: 33h 14m 38s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200												0000												
																					0305	0306	TAPPOS							
																							PWS/RH	0608	0608					
																									- 0743	D/L -				
																										0607	GS-4B	0608	↓	0608
FDS MODE																														
XB DATA RATE(MI)																														
31 DSN COVERAGE																														
32 DSN COVERAGE																														
S/C 32 INITIAL CONDITIONS RTLTL: 27h 9m 0s CCSL: BASELINE 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:																														

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 17, 2011 351-352	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 14m 44s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 14m 48s												0000 RTLTL 33h 14m 52s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	1830  -----  14 [D]  -----  2145  -----  10  -----  40  -----  60  -----  60																								
32 DSN COVERAGE	34 [o]  -----  1145  -----  40  -----  40																								
S/C 32 INITIAL CONDITIONS RTLTL: 27h 9m 14s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 27h 9m 22s												0000 RTLTL 27h 9m 30s												
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 17												DEC 18												

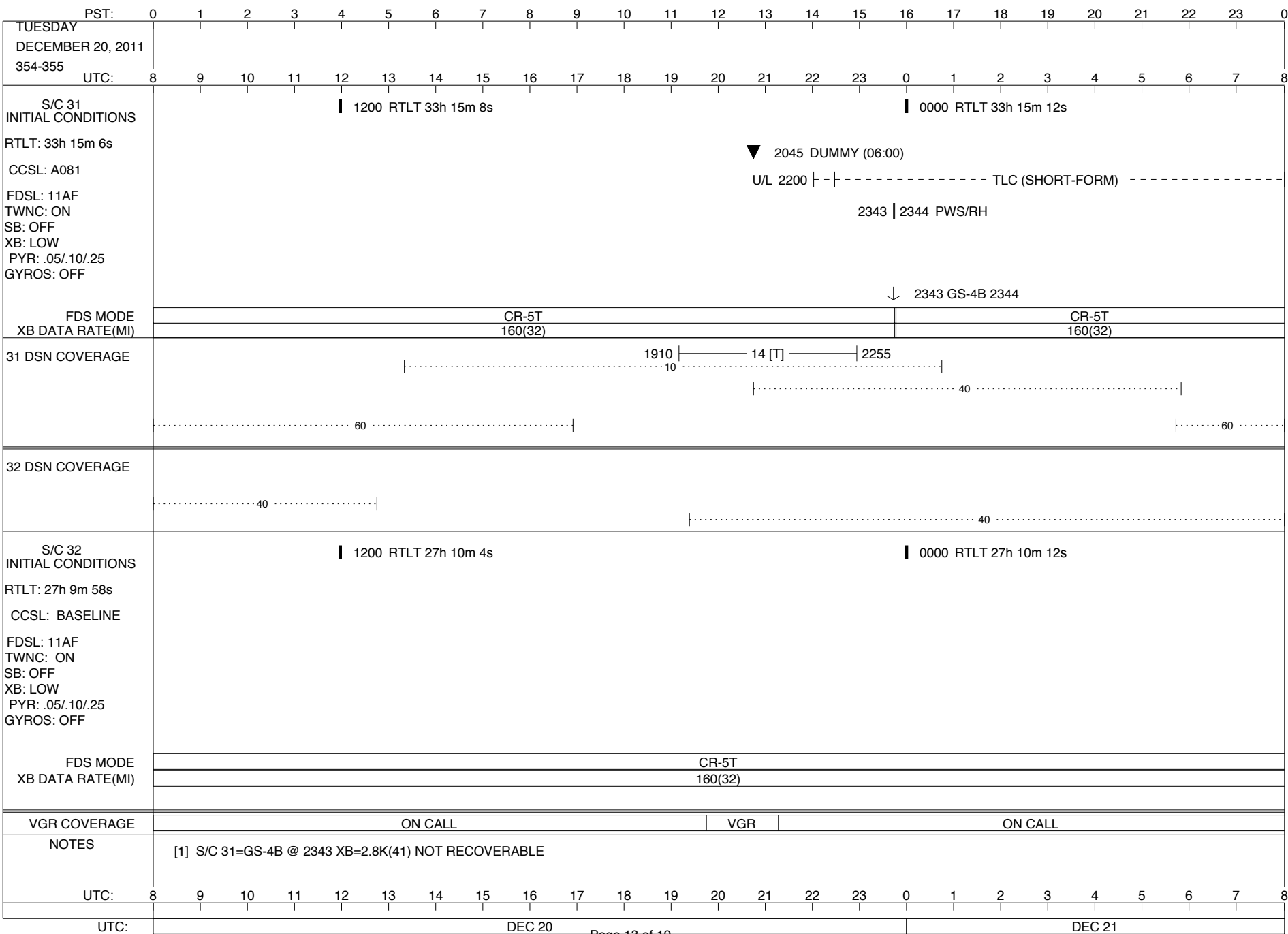
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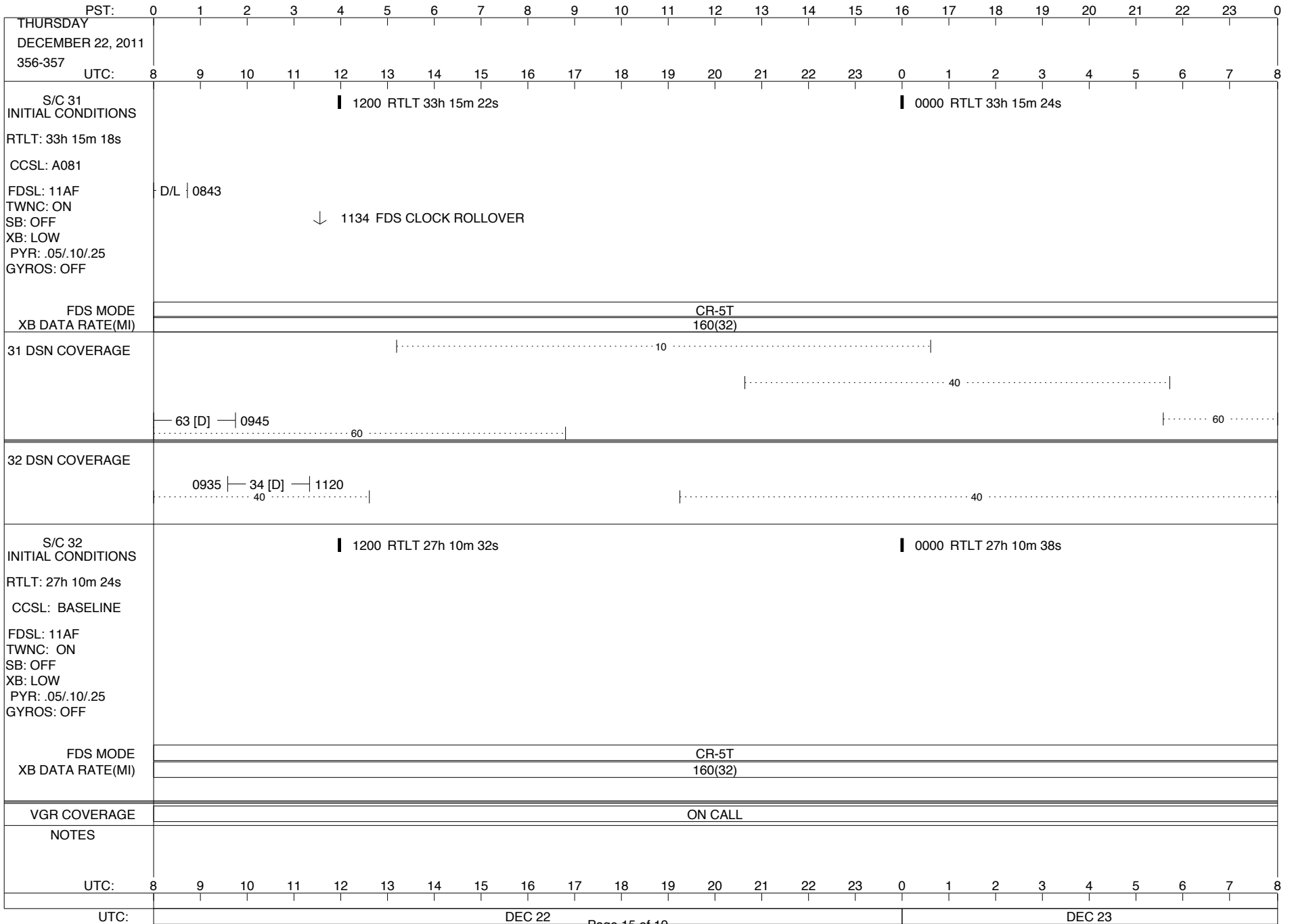
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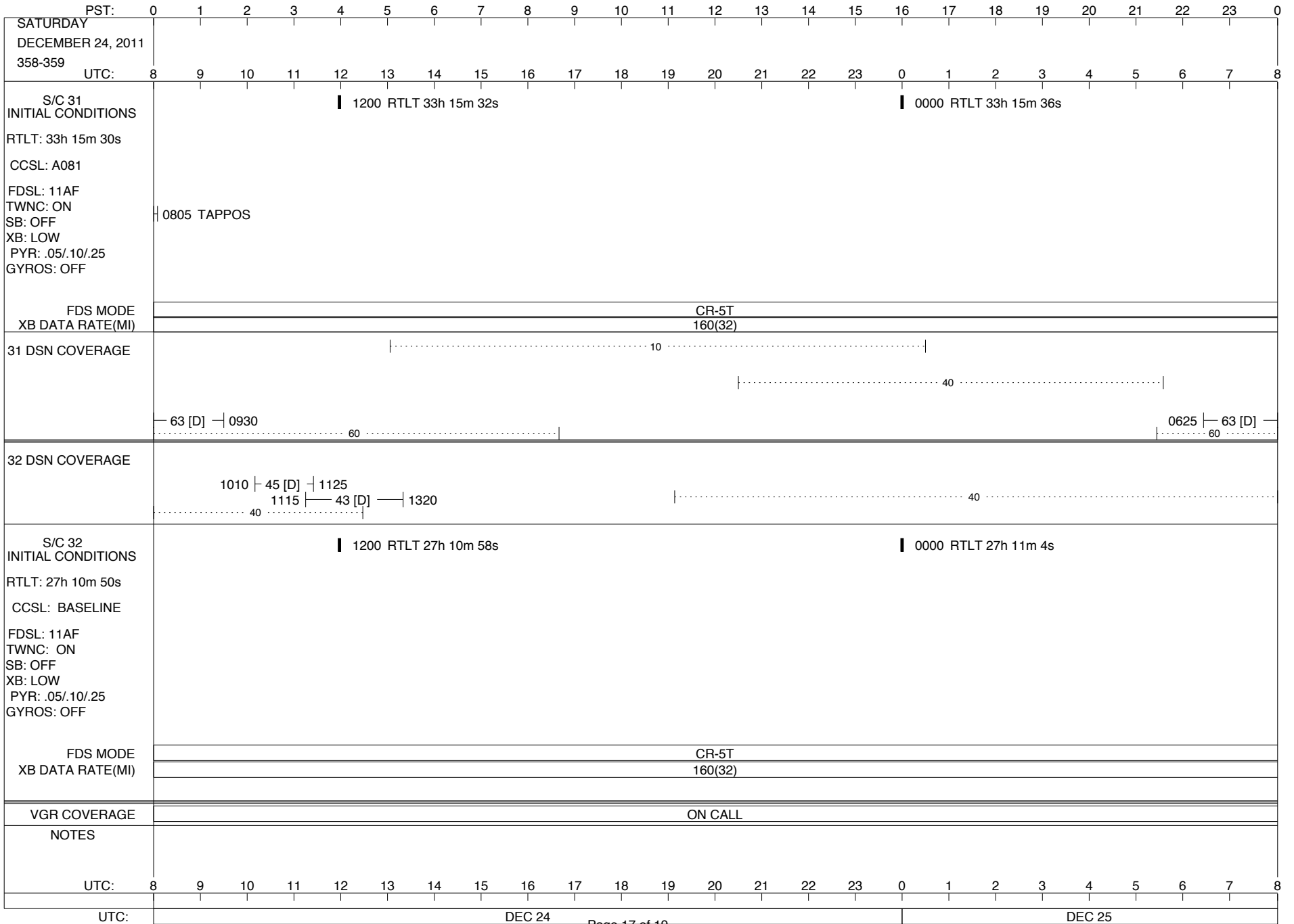
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WEDNESDAY DECEMBER 21, 2011 355-356																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 33h 15m 12s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 15m 14s												0000 RTLTL 33h 15m 18s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	2020   14 [D]   2205												0545   63 [D]												
32 DSN COVERAGE	0920   45 [D]   1130 1115   43 [D]   1325												2125   43 [B]   0010												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 10m 12s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 27h 10m 18s												0000 RTLTL 27h 10m 24s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	▼ 2152 DUMMY (5 MIN BRACKETED 01:03)																								
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												





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 RTLTL: 33h 15m 24s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 15m 26s												0000 RTLTL 33h 15m 30s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1730  -----  14 [D]  -----  2130												0530  -----  63 [D]  -----												
32 DSN COVERAGE	0920  -----  43 [o]  -----  1325												0543   0242 TAPPOS 0543   0544 PWS/RH TAPPOS 0751												
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 RTLTL 27h 10m 44s												0000 RTLTL 27h 10m 50s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												0543 GS-4B 0544 ↓												
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
UTC:	DEC 23												DEC 24												

ISSUE DATE: 12/08/11 15:39



ISSUE DATE: 12/08/11 15:39

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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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 15m 36s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF																									
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 27h 11m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF																									
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:	DEC 25													DEC 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	
MONDAY DECEMBER 26, 2011 360-361	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 15m 40s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 33h 15m 42s</p> </div>																									
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)												
31 DSN COVERAGE	<div style="text-align: center;"> <p>63 [D]   0940</p> </div>																									
32 DSN COVERAGE	<div style="text-align: center;"> <p>1810   43 [D]   2210</p> </div>																									
S/C 32 INITIAL CONDITIONS RTLT: 27h 11m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 27h 11m 22s</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 26													DEC 27												