

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 1, 2010

For the Period: 12/02/2010 to 12/20/2010 (10-336 – 10-354)

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SCIENCE

FLIGHT TEAM (14) 600-100

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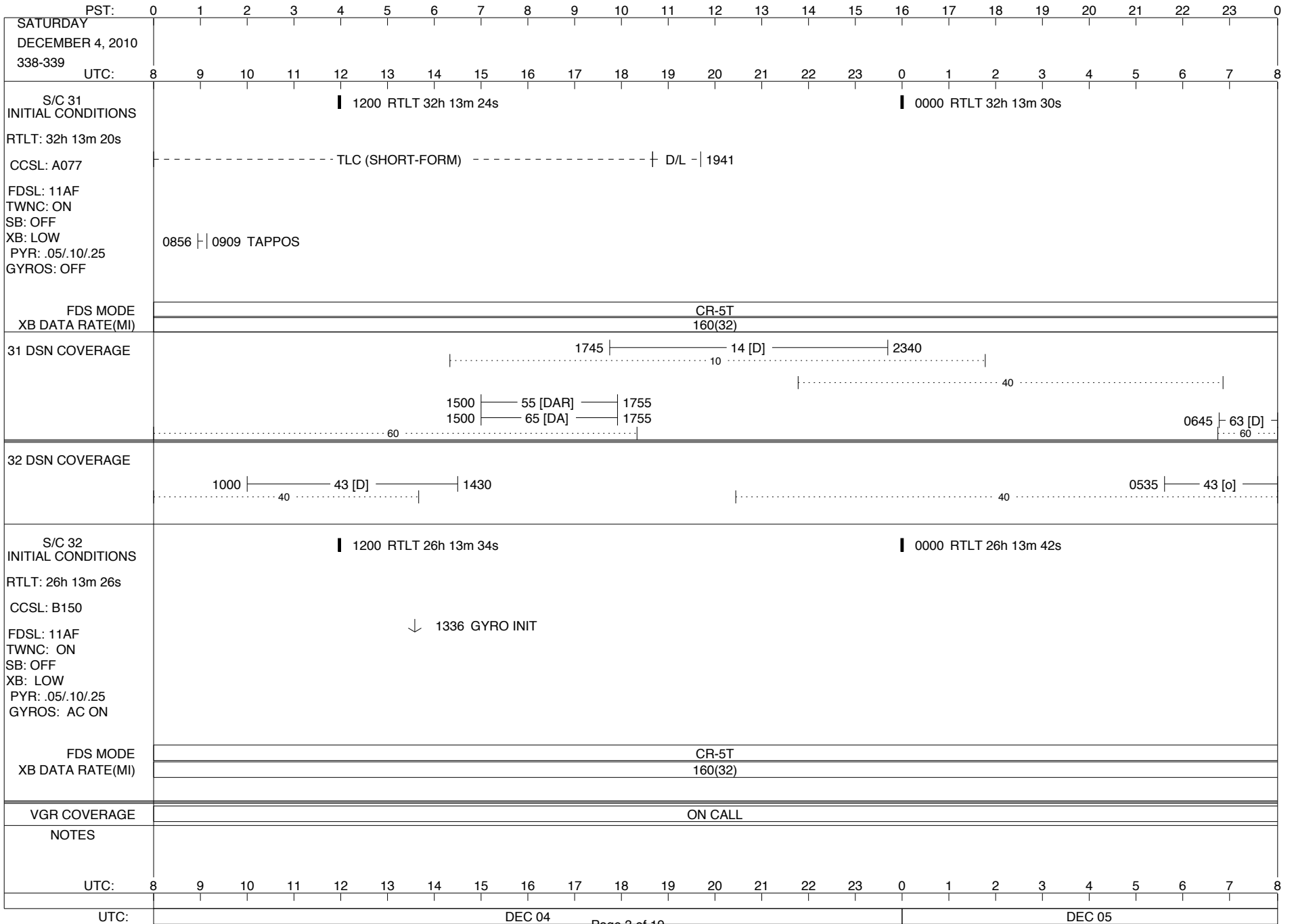
LEGEND:

∇ = 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

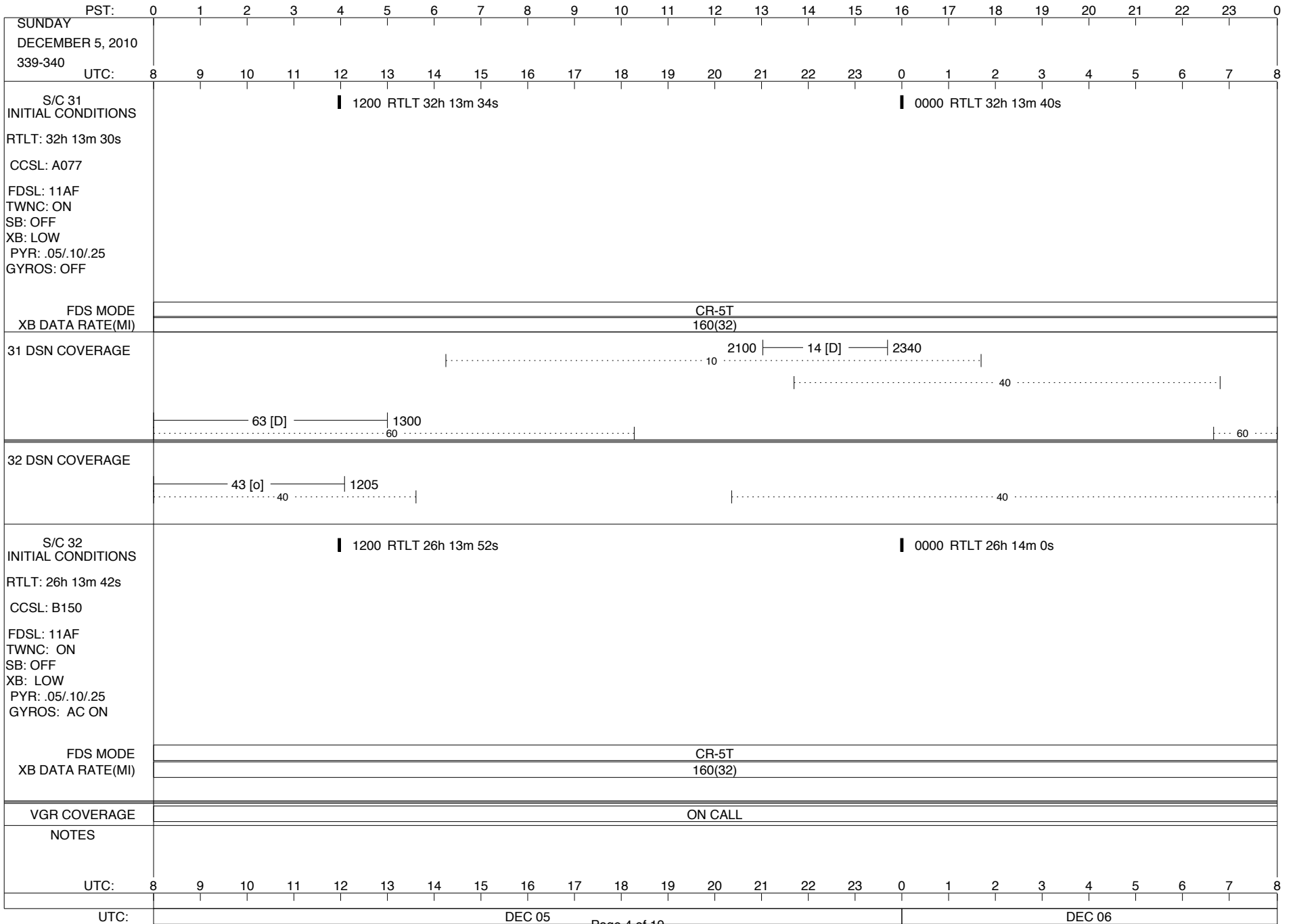
*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10

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S/C 31 INITIAL CONDITIONS RTLTL: 32h 13m 10s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 32h 13m 14s												0000 RTLTL 32h 13m 20s													
	U/L 1000 - - TLC (SHORT-FORM)												0346 0347 TAPPOS PWS/RH 0649 0650 0649 GS-4B 0650 ↓													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE 10 40 63 [T] 1030 60 60																									
32 DSN COVERAGE 43 [o] 1430 40 40																									
S/C 32 INITIAL CONDITIONS RTLTL: 26h 13m 8s CCSL: B150 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: AC ON	1200 RTLTL 26h 13m 16s 1122 COMMAND MORATORIUM												0000 RTLTL 26h 13m 26s													
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 @ 0649 XB=2.8K(41) NOT RECOVERABLE																									
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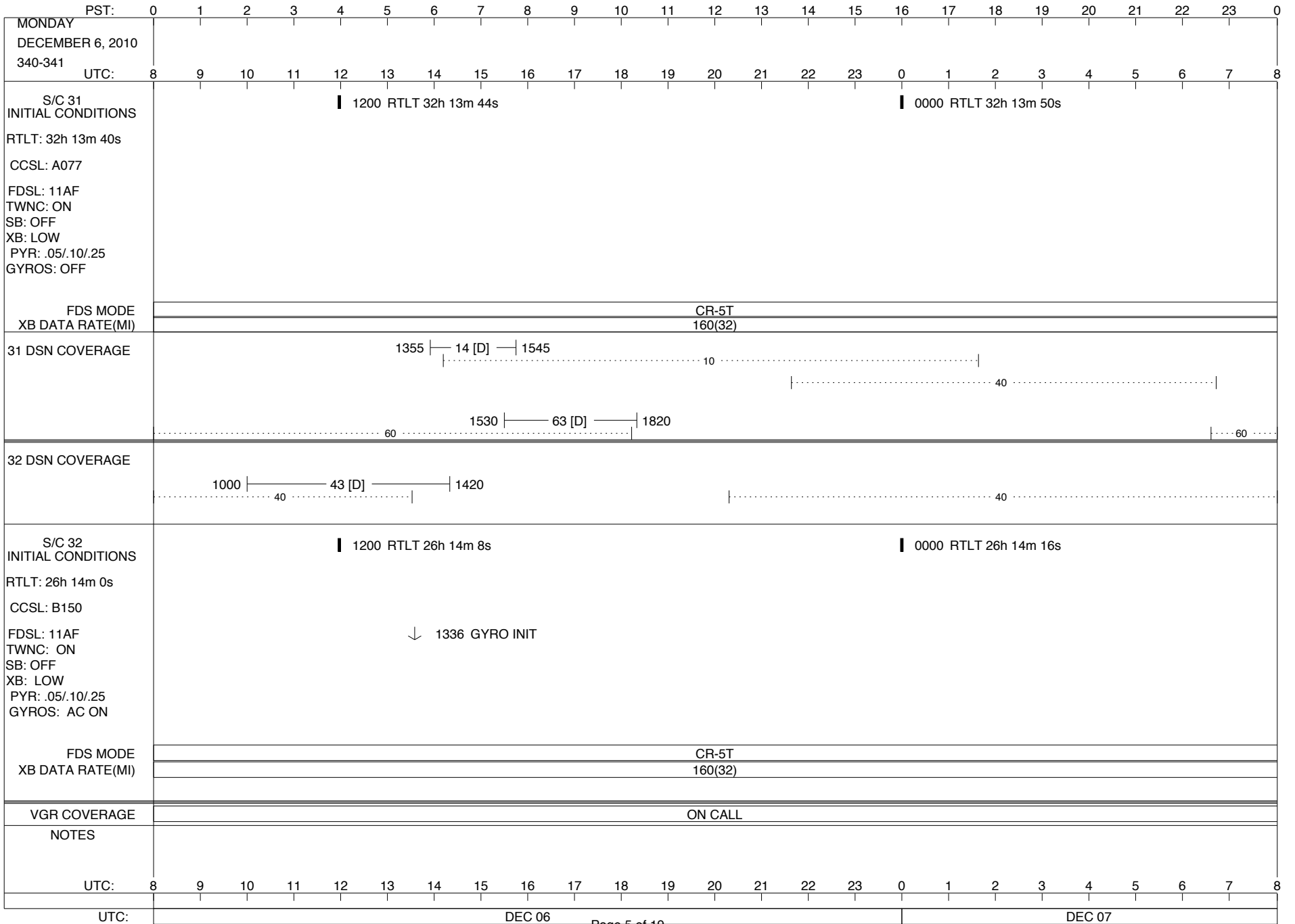
ISSUE DATE: 12/02/10 15:12



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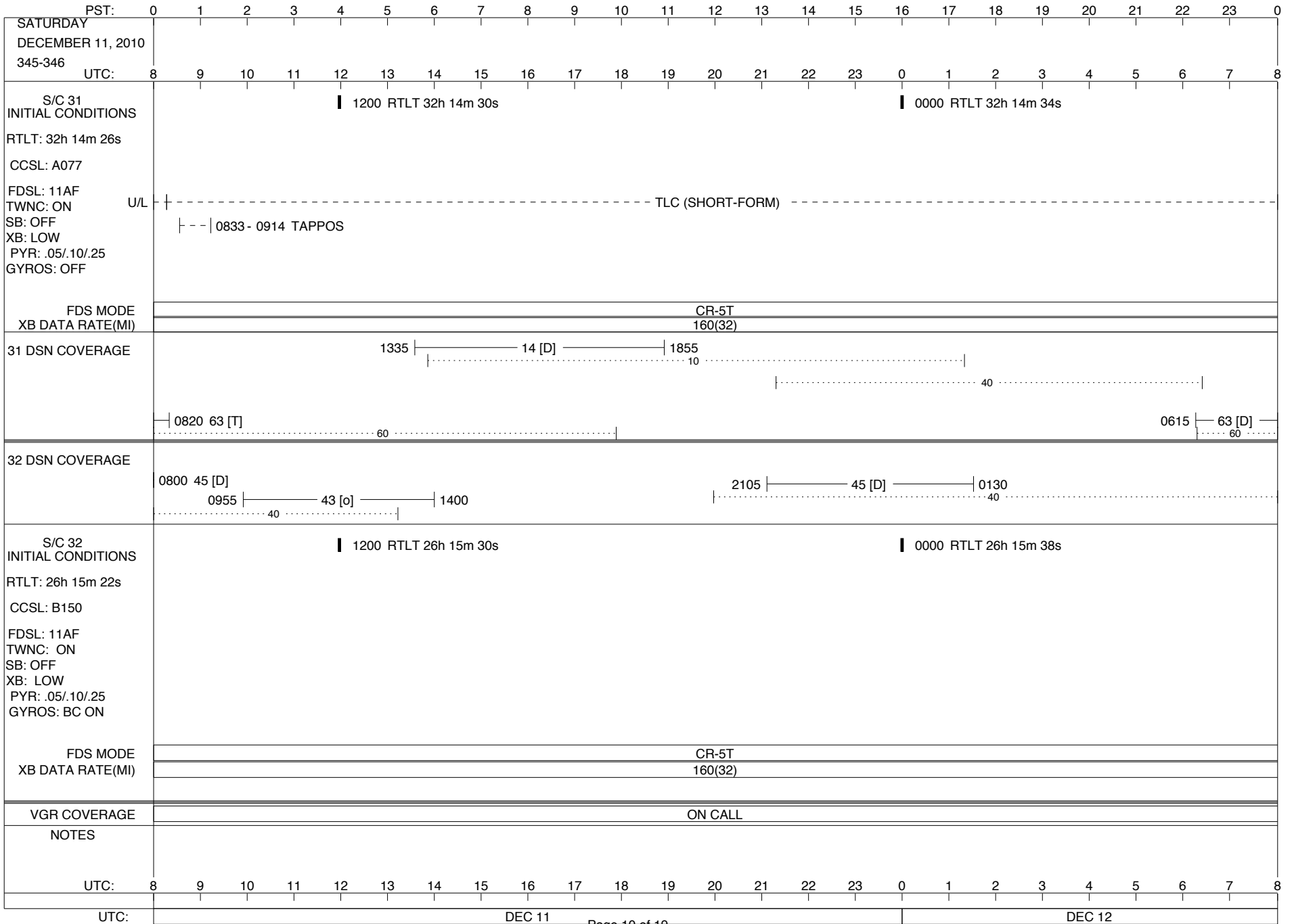
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WEDNESDAY																													
DECEMBER 8, 2010																													
342-343 UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8																													
S/C 31 INITIAL CONDITIONS RTLT: 32h 14m 0s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF												1200 RTLT 32h 14m 4s 0000 RTLT 32h 14m 8s 1648 --- MAGCAL --- 1943 1648 --- PESCAL --- 2000 ▼ 1730 DUMMY (01:44)																	
FDS MODE												CR-5T																	
XB DATA RATE(MI)												160(32)																	
31 DSN COVERAGE												1350 ----- 14 ----- 2130 ----- 10 ----- ----- 40 ----- 60 ----- 60																	
32 DSN COVERAGE												0945 ----- 43 [D] ----- 1345 40 ----- 40																	
S/C 32 INITIAL CONDITIONS RTLT: 26h 14m 34s CCSL: B150 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: AC ON												1200 RTLT 26h 14m 42s 0000 RTLT 26h 14m 50s 0055 ----- COMMAND MORATORIUM -----																	
FDS MODE												CR-5T																	
XB DATA RATE(MI)												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: DEC 08												DEC 09																	

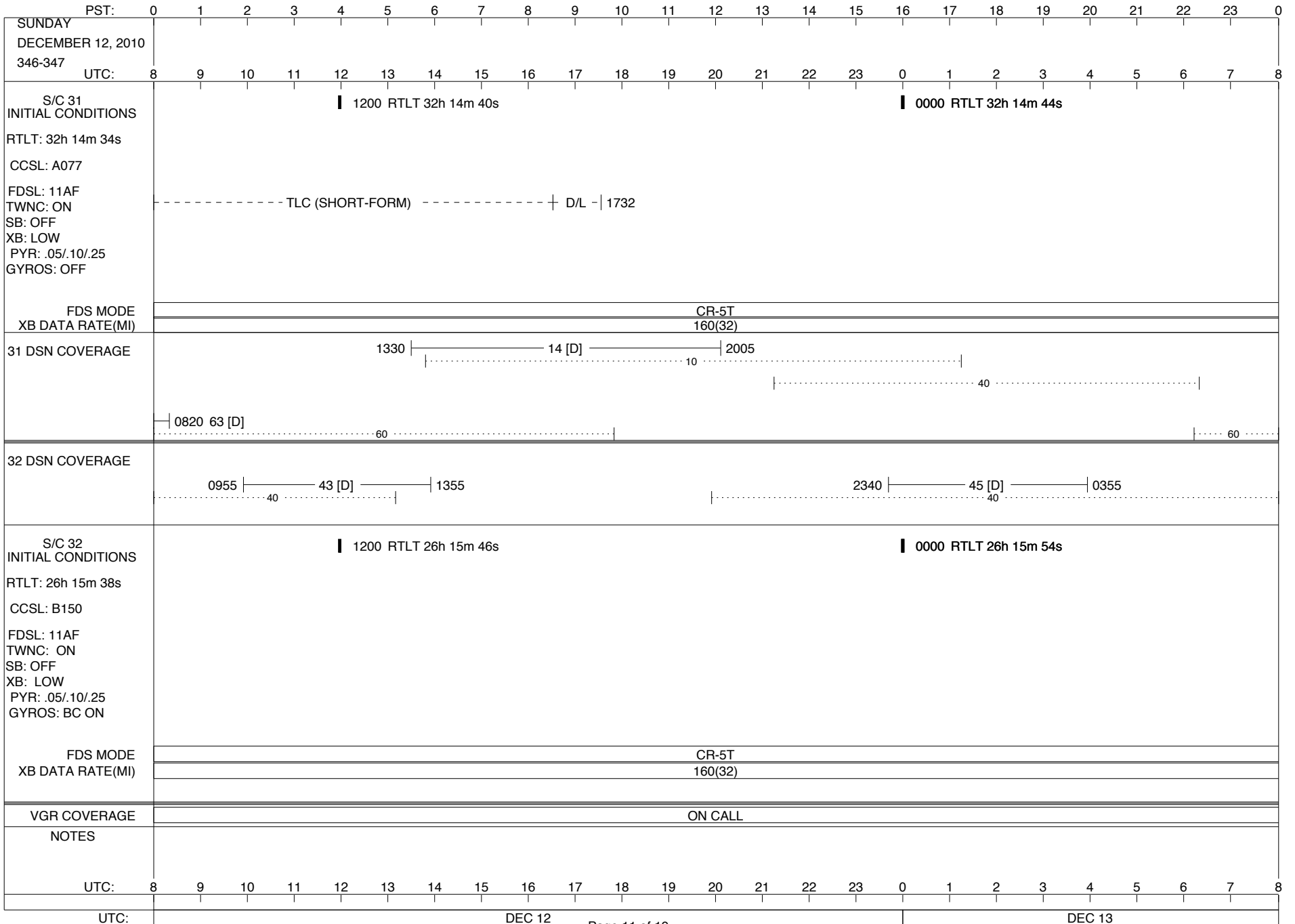
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THURSDAY DECEMBER 9, 2010 343-344																									
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S/C 31 INITIAL CONDITIONS RTLTL: 32h 14m 8s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 32h 14m 14s												0000 RTLTL 32h 14m 18s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1340 ----- 14 [D] ----- 1740 ----- 10 ----- ----- 40 ----- ----- 60 -----																								
32 DSN COVERAGE	1005 ----- 43 [D] ----- 1410 ----- 40 -----												0155 ----- 45 [D] ----- 0430 ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 26h 14m 50s CCSL: B150 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	1200 RTLTL 26h 14m 58s												0000 RTLTL 26h 15m 6s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL												VGR ON CALL												
NOTES	<p style="text-align: center;">----- COMMAND MORATORIUM -----</p> <p style="text-align: right;">↓ 0240 GYROS BC ON ↓ 0241 GYRO INIT ↓ 0250 GYRO FAULT TEST 0340 0347 CCSTIMB (FINE)</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:	DEC 09												DEC 10												

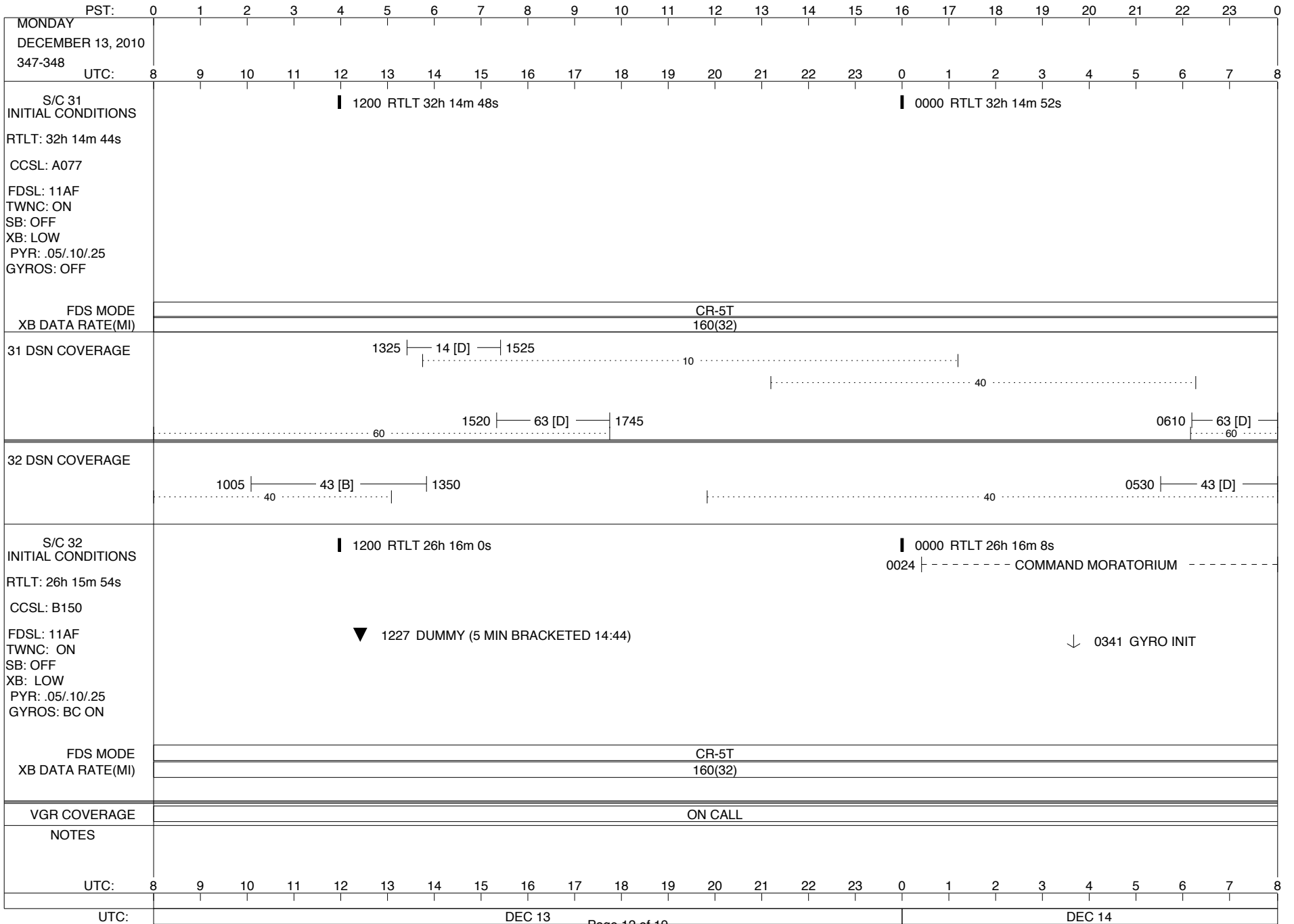
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FRIDAY DECEMBER 10, 2010 344-345	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 32h 14m 18s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 14m 22s												0000 RTLT 32h 14m 26s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1335 14 [D] 1535												10 40 0620 63 [T] 60												
32 DSN COVERAGE	1000 43 [D] 1405												0400 - 0800 45 [D] 40												
S/C 32 INITIAL CONDITIONS RTLT: 26h 15m 6s CCSL: B150 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 26h 15m 14s												0000 RTLT 26h 15m 22s												
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 @ 0625 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 10												DEC 11												



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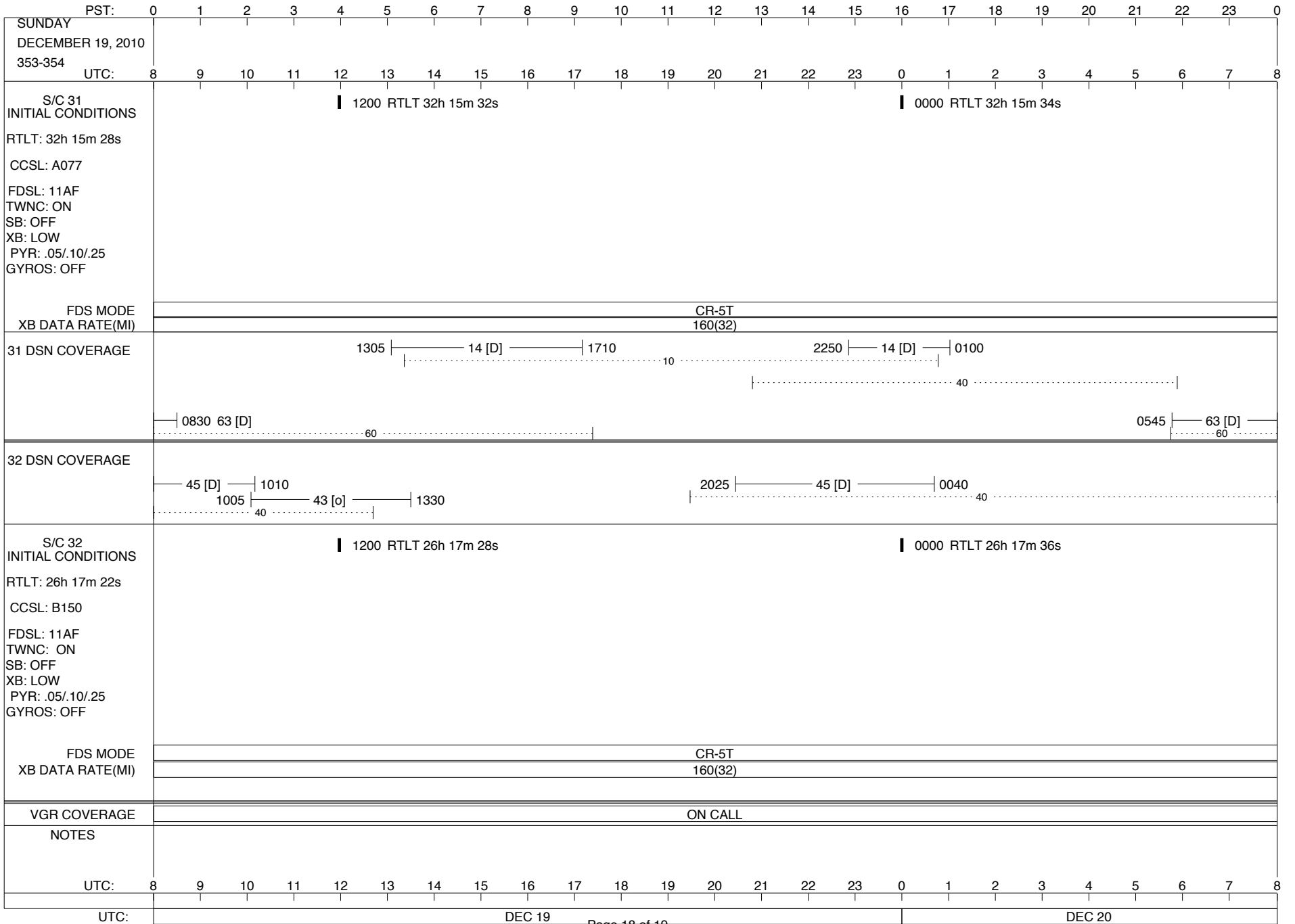
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TUESDAY DECEMBER 14, 2010 348-349																												
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S/C 31 INITIAL CONDITIONS RTLTL: 32h 14m 52s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 32h 14m 56s														0000 RTLT 32h 14m 58s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	<p>1325 ----- 14 [D] ----- 1725</p> <p>..... 10</p> <p>..... 40</p> <p> 0815 63 [D] 60</p>																											
32 DSN COVERAGE	<p>----- 43 [D] ----- 1120</p> <p>..... 40</p> <p>0200 - 0750 ----- 43 [DAR] ----- </p> <p>0200 45 [DA] 0400</p> <p>..... 40</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 26h 16m 8s CCSL: B150 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	1200 RTLT 26h 16m 16s														0000 RTLT 26h 16m 24s													
FDS MODE	CR-5T														EH-12				CR-5T									
XB DATA RATE(MI)	160(32)																		160(32)									
VGR COVERAGE	ON CALL														VGR				ON CALL									
NOTES	<p>[1] S/C 31=GS-4B @ 0002 XB=2.8K(41) NOT RECOVERABLE</p> <p>[2] S/C 32=EH-12 @ 0231 XB=1.2K(39)</p> <p>[3] S/C 32=CR-5T @ 0334 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:	DEC 14														DEC 15													

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 15, 2010 349-350	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: 32h 14m 58s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 32h 15m 2s												0000 RTLT 32h 15m 6s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1335 ----- 14 [T] ----- 1720												10 ----- 40 ----- 0600 ----- 63 [D] ----- 60												
32 DSN COVERAGE	40 -----												----- 40 ----- 43 [D] 0800												
S/C 32 INITIAL CONDITIONS RTLT: 26h 16m 24s CCSL: B150 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 26h 16m 30s												0000 RTLT 26h 16m 38s												
FDS MODE XB DATA RATE(MI)													COMMAND MORATORIUM												
													2358												
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:	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			
THURSDAY																													
DECEMBER 16, 2010																													
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		1200 RTLT 32h 15m 10s														0000 RTLT 32h 15m 14s													
RTLTL: 32h 15m 6s																													
CCSL: A077		----- TLC (LONG-FORM) ----- † D/L † 2343																											
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		1315 ----- 14 [D] ----- 1545 ----- 10 ----- ----- 40 ----- 63 [D] ----- 0940 ----- ----- 60 ----- ----- 60 -----																											
32 DSN COVERAGE		43 [D] ----- 0800 - 1200 ----- ----- 40 ----- ----- 40 ----- 0310 ----- 43 [D] ----- ----- 40 -----																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 26h 16m 46s														0000 RTLT 26h 16m 52s													
RTLTL: 26h 16m 38s		0803 ----- COMMAND MORATORIUM -----																											
CCSL: B150		↓ 0351 AAI 0354 †----- MAGROL -----																											
FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON																													
FDS MODE																CR-5T													
XB DATA RATE(MI)																160(32)													
VGR COVERAGE		ON CALL														VGR													
NOTES		[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0341-0949)																											
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UTC:		DEC 16														DEC 17													

ISSUE DATE: 12/02/10 15:12

FRIDAY DECEMBER 17, 2010 351-352		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																							
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: 32h 15m 14s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLTL 32h 15m 18s												0000 RTLTL 32h 15m 20s											
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																							
31 DSN COVERAGE		1310 ----- 14 [D] ----- 1535 ----- 10 ----- ----- 40 ----- 1530 ----- 63 [D] ----- 1725 ----- 60 ----- 60																							
32 DSN COVERAGE		43 [D] ----- 1340 40 ----- ----- 40 -----																							
S/C 32 INITIAL CONDITIONS RTLTL: 26h 16m 52s CCSL: B150 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON		1200 RTLTL 26h 17m 0s												0000 RTLTL 26h 17m 8s											
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																							
VGR COVERAGE		VGR												ON CALL											
NOTES		[1] S/C 31=GS-4B @ 0602 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 17												DEC 18											



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 20, 2010 354-355	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: 32h 15m 34s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 32h 15m 38s</p> </div>																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	<div style="text-align: center;"> <p>63 [D] 1325 60</p> </div>																								
32 DSN COVERAGE	<div style="text-align: center;"> <p>0920 43 [D] 1320 40</p> </div>																								
S/C 32 INITIAL CONDITIONS RTLT: 26h 17m 36s CCSL: B150 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 26h 17m 42s</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 20												DEC 21												