

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: September 2, 2010

For the Period: 09/02/2010 to 09/20/2010 (10-245 – 10-263)

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

**SCIENCE**

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

**DSOT (1) 230-102**

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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

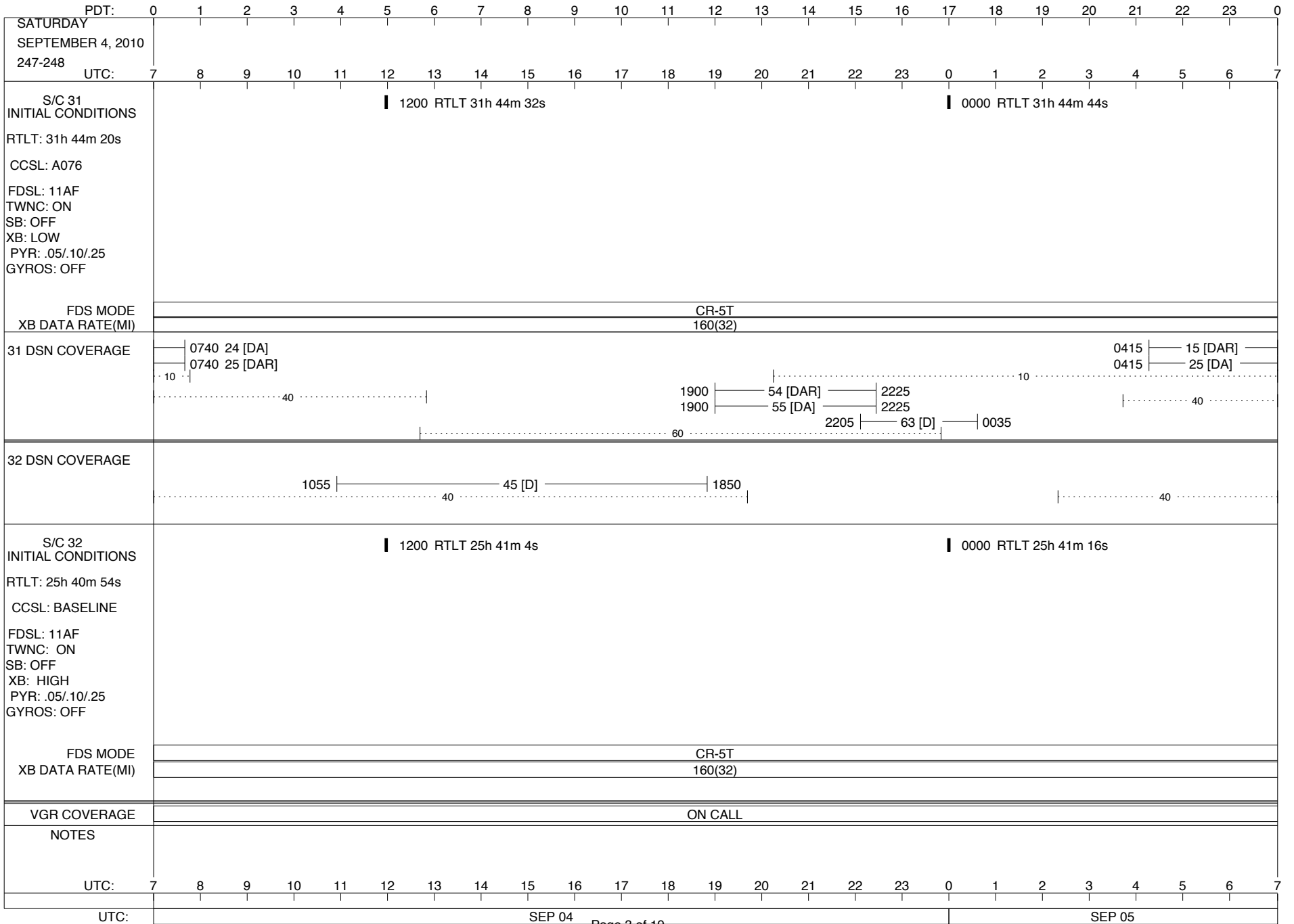
\*Electronic Copy Only  
 (16 – Dist/N: Paper Copies)  
 07/22/10

ISSUE DATE: 09/02/10 14:16

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S/C 31 INITIAL CONDITIONS RTLTL: 31h 43m 32s CCSL: A076 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 31h 43m 44s												0000 RTLTL 31h 43m 56s															
TLC (SHORT-FORM) D/L -   0811																												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	0750 25 [DA1]   0750 26 [DAR1]   10 ..   ..... 40 .....												2055 54 [DAR] 2355   2055 55 [DA] 2355 ..... 60 .....												0430 25 [DAR]   0430 26 [DA] ..... 10 .....		40 .....	
32 DSN COVERAGE	1055   45 [D]   1420 ..... 40 .....												1435   43 [o]   2040 ..... 40 .....															
S/C 32 INITIAL CONDITIONS RTLTL: 25h 40m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HIGH PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 25h 40m 26s												0000 RTLTL 25h 40m 34s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE	ON CALL												VGR						ON CALL									
NOTES																												
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
UTC:	SEP 02												Page 1 of 19						SEP 03									

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S/C 31 INITIAL CONDITIONS RTLT: 31h 43m 56s CCSL: A076 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 31h 44m 8s												█ 0000 RTLT 31h 44m 20s												
	1220   1234 TAPPOS												1522   1523 PWS/RH 1730   -   1758 TAPPOS												
	↓ 1522 GS-4B 1523																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0745 25 [DAR] 0745 26 [DA]										0345 24 [DA] 0345 25 [DAR]														
32 DSN COVERAGE	0845   45 [D]   1755																								
S/C 32 INITIAL CONDITIONS RTLT: 25h 40m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HIGH PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 25h 40m 44s												█ 0000 RTLT 25h 40m 54s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 1522 XB=2.8K(41) NOT RECOVERABLE																								
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
UTC:	SEP 03												SEP 04												



ISSUE DATE: 09/02/10 14:16

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SUNDAY SEPTEMBER 5, 2010 248-249																									
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S/C 31 INITIAL CONDITIONS RTLT: 31h 44m 44s CCSL: A076 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 31h 44m 56s												0000 RTLT 31h 45m 8s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0740 15 [DAR] 0740 25 [DA] 10												0320 24 [DAR] 0320 25 [DA] 10												
	40												1835 63 [D] 0030 60												
32 DSN COVERAGE	1010 45 [D] 1700 40												40												
S/C 32 INITIAL CONDITIONS RTLT: 25h 41m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HIGH PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 25h 41m 26s												0000 RTLT 25h 41m 36s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
UTC:	SEP 05												SEP 06												

ISSUE DATE: 09/02/10 14:16

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S/C 31 INITIAL CONDITIONS RTLT: 31h 45m 8s CCSL: A076 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 31h 45m 20s												0000 RTLT 31h 45m 32s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	0735 24 [DAR] 0735 25 [DA] 10   ..... 40												1915   ..... 60 63 [D]   ..... 2255 0340   ..... 10 0340   ..... 15 [DAR] 26 [DA]													
32 DSN COVERAGE	1310   ..... 40 43 [o]   ..... 2025												..... 40													
S/C 32 INITIAL CONDITIONS RTLT: 25h 41m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HIGH PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 25h 41m 46s												0000 RTLT 25h 41m 56s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												ON CALL													
NOTES	<b>JPL HOLIDAY!</b>																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
UTC:	SEP 06													SEP 07												

ISSUE DATE: 09/02/10 14:16

PDT:	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 SEPTEMBER 7, 2010 250-251	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 31h 45m 32s CCSL: A076 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 31h 45m 42s												0000 RTLT 31h 45m 54s												
	0859   0900 PWS/RH																								
	↓ 0859 GS-4B 0900																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0730 15 [DAR] 0730 26 [DA]												0320 15 [DAR] 0320 26 [DA]												
32 DSN COVERAGE	1045   45 [D]   1830												1950   63 [D]   0025												
S/C 32 INITIAL CONDITIONS RTLT: 25h 41m 56s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HIGH PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 25h 42m 6s												0000 RTLT 25h 42m 16s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0859 XB=2.8K(41) NOT RECOVERABLE																								
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
UTC:	SEP 07												SEP 08												

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S/C 31 INITIAL CONDITIONS RTLT: 31h 45m 54s CCSL: A076 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: 25h 42m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HIGH PYR: .05/.10/.25 GYROS: OFF																									
FDS MODE XB DATA RATE(MI)																									
VGR COVERAGE																									
NOTES																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
UTC:																									

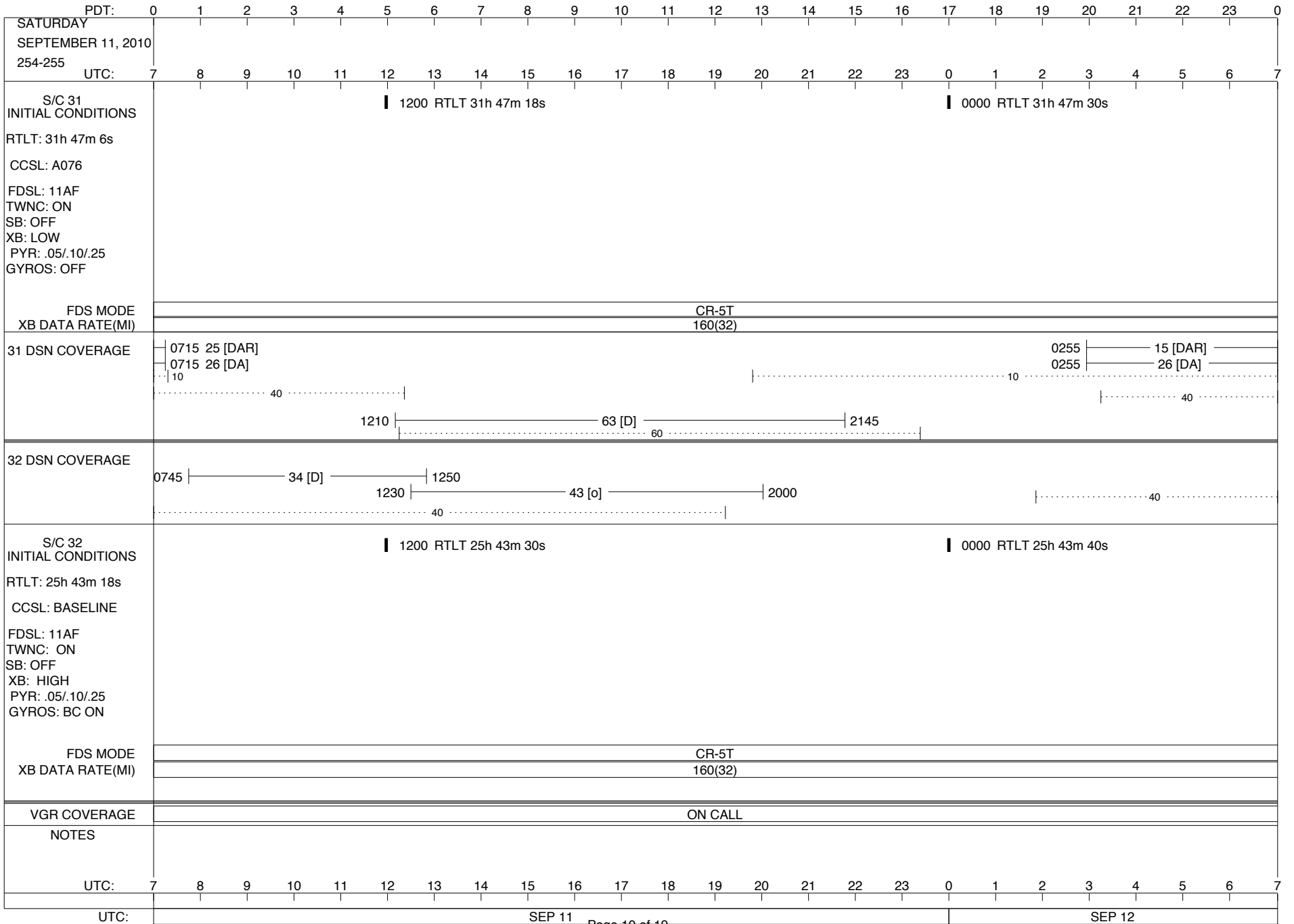


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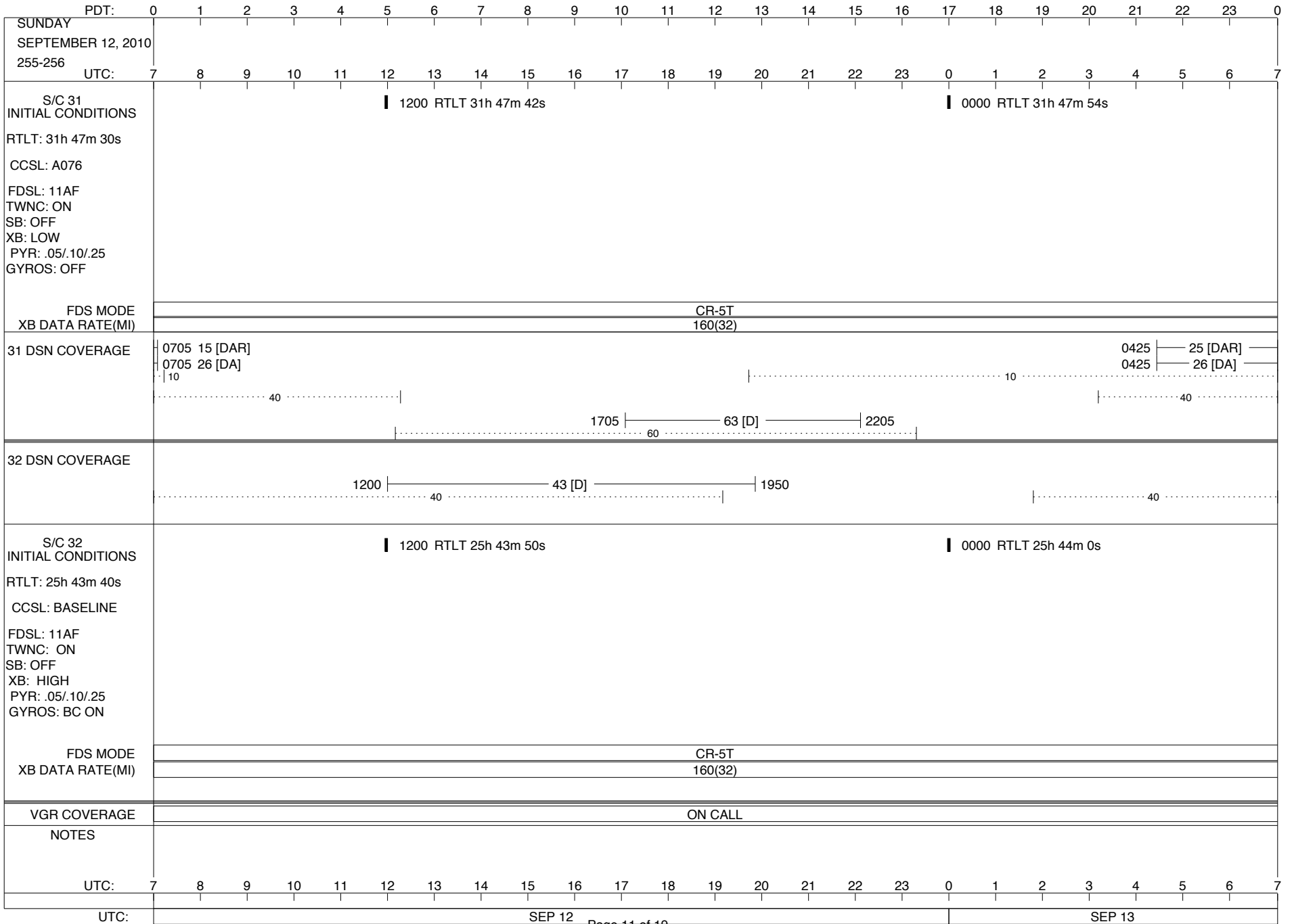
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THURSDAY SEPTEMBER 9, 2010 252-253																									
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S/C 31 INITIAL CONDITIONS RTLTL: 31h 46m 18s CCSL: A076 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 31h 46m 30s												0000 RTLTL 31h 46m 42s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	0720 25 [DA] 0720 26 [DAR]												0345 24 [DAR] 0345 25 [DAR]												
32 DSN COVERAGE	1200 45 [D] 1625 1625 43 [B] 2010												1945 63 [D] 2345 45 [D] 0605												
S/C 32 INITIAL CONDITIONS RTLTL: 25h 42m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HIGH PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 25h 42m 48s												0000 RTLTL 25h 42m 58s COMMAND MORATORIUM 0524												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												▼ 1712 DUMMY (5 MIN BRACKETED 18:55)												
VGR COVERAGE	ON CALL												VGR ON CALL												
NOTES																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
UTC:	SEP 09												SEP 10												

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UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
FRIDAY SEPTEMBER 10, 2010 253-254																													
S/C 31 INITIAL CONDITIONS RTLT: 31h 46m 42s CCSL: A076 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 31h 46m 54s														0000 RTLT 31h 47m 6s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS RTLT: 25h 42m 58s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HIGH PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 25h 43m 8s														0000 RTLT 25h 43m 18s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														CR-5T 160(32)													
VGR COVERAGE		ON CALL   VGR														ON CALL													
NOTES		[1] S/C 31=GS-4B @ 1500 XB=2.8K(41) NOT RECOVERABLE																											
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
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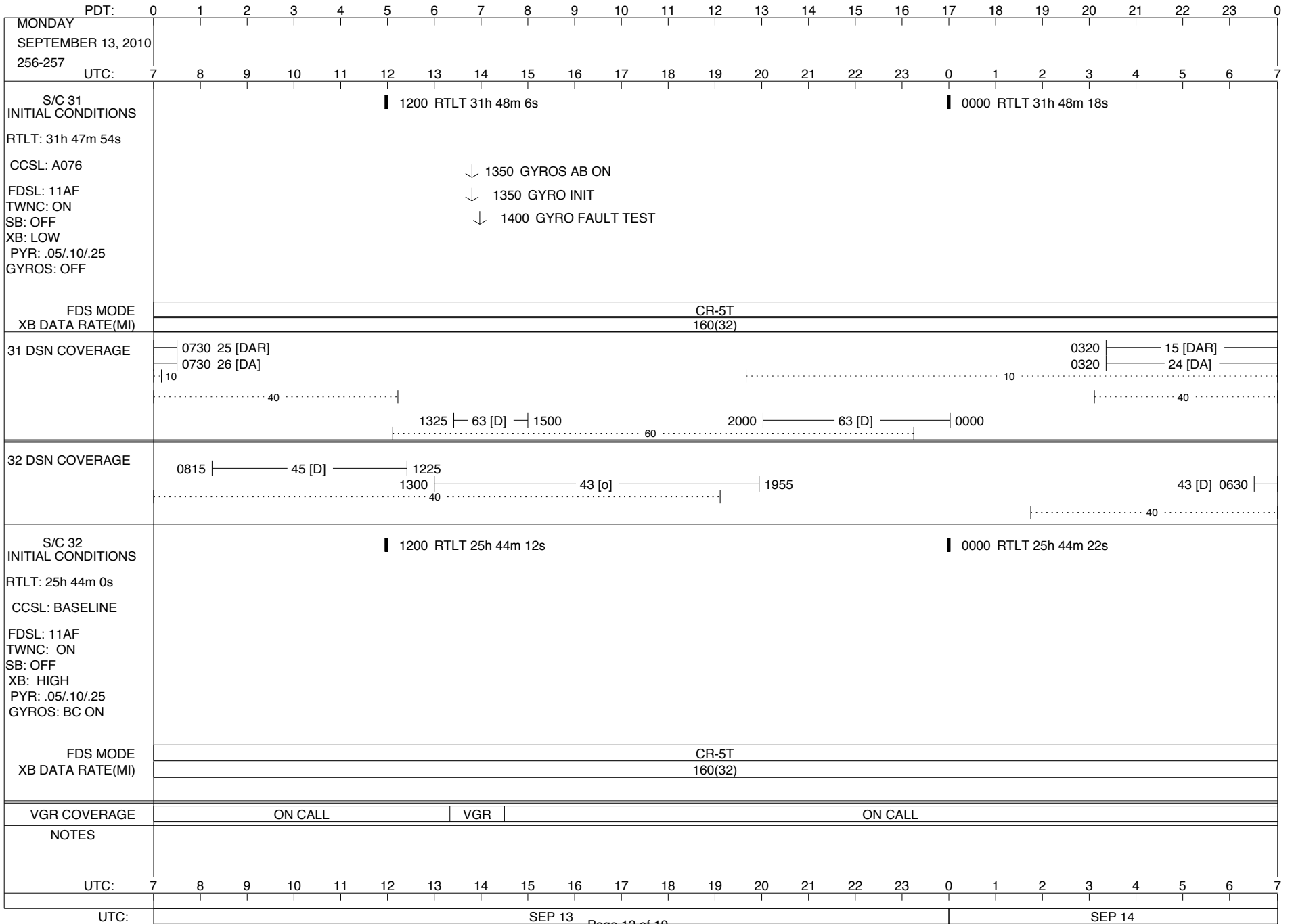
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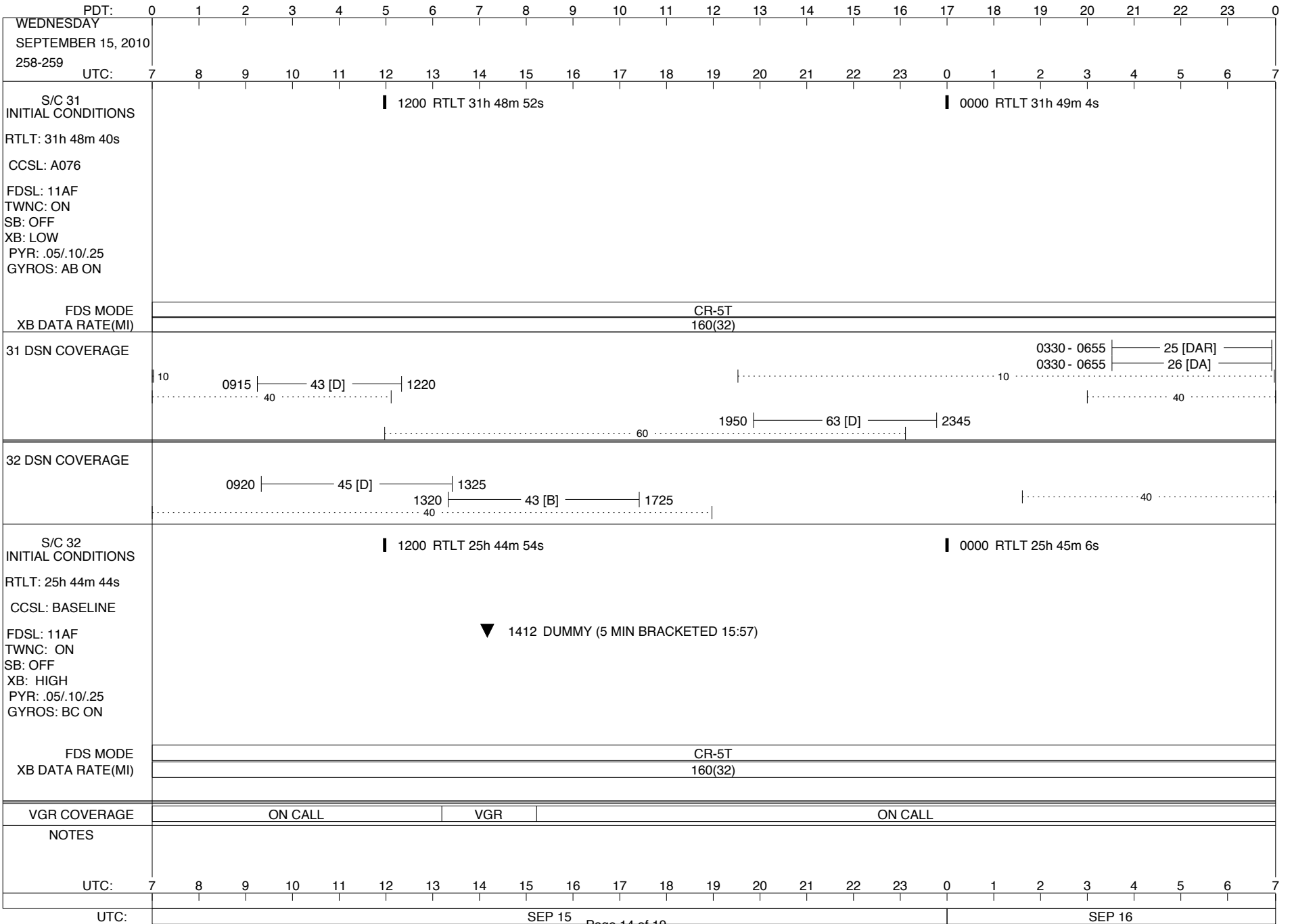


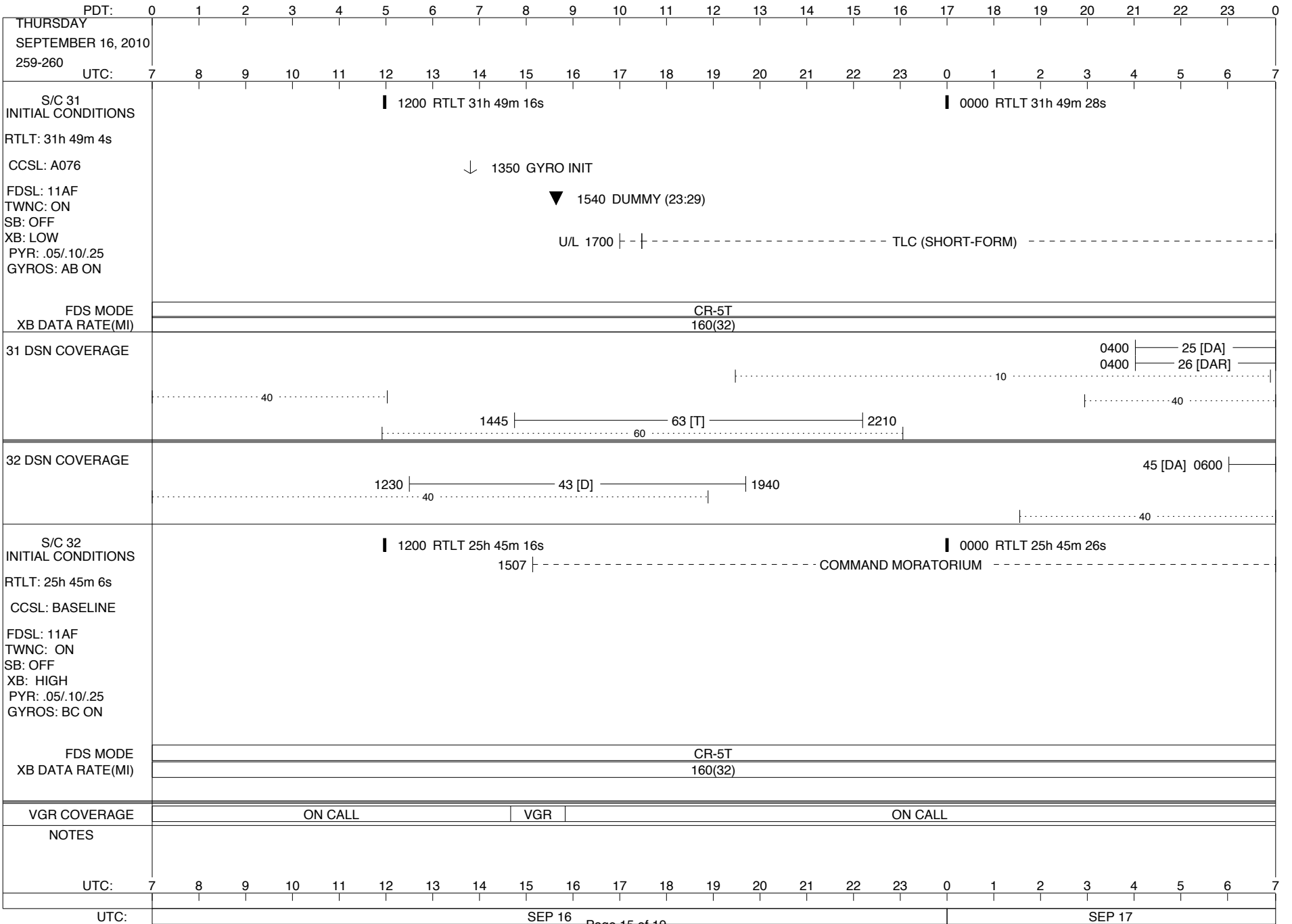
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S/C 31 INITIAL CONDITIONS RTLTL: 31h 48m 18s CCSL: A076 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AB ON	1200 RTLTL 31h 48m 28s												0000 RTLTL 31h 48m 40s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	0725 15 [DAR] 0725 24 [DA]												0000 - 0655 15 [DAR] 0000 - 0655 26 [DA]															
32 DSN COVERAGE	43 [D] 1400 1340 45 [D] 1810												1940 63 [D] 2350															
S/C 32 INITIAL CONDITIONS RTLTL: 25h 44m 22s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HIGH PYR: .05/.10/.25 GYROS: BC ON	1200 RTLTL 25h 44m 32s												0000 RTLTL 25h 44m 44s															
FDS MODE	CR-5T				EL-40				CR-5T				CR-5T															
XB DATA RATE(MI)	160(32)				40(30)				160(32)				160(32)															
VGR COVERAGE	ON CALL				VGR				ON CALL				ON CALL															
NOTES	[1] S/C 31=GS-4B @ 0501 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32 D/L AGC & SNR VARIATIONS EXPECTED DURING ASCAL (1046-1123) [3] S/C 32=EL-40 @ 1014 XB=40(30)																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
UTC:	SEP 14														SEP 15													

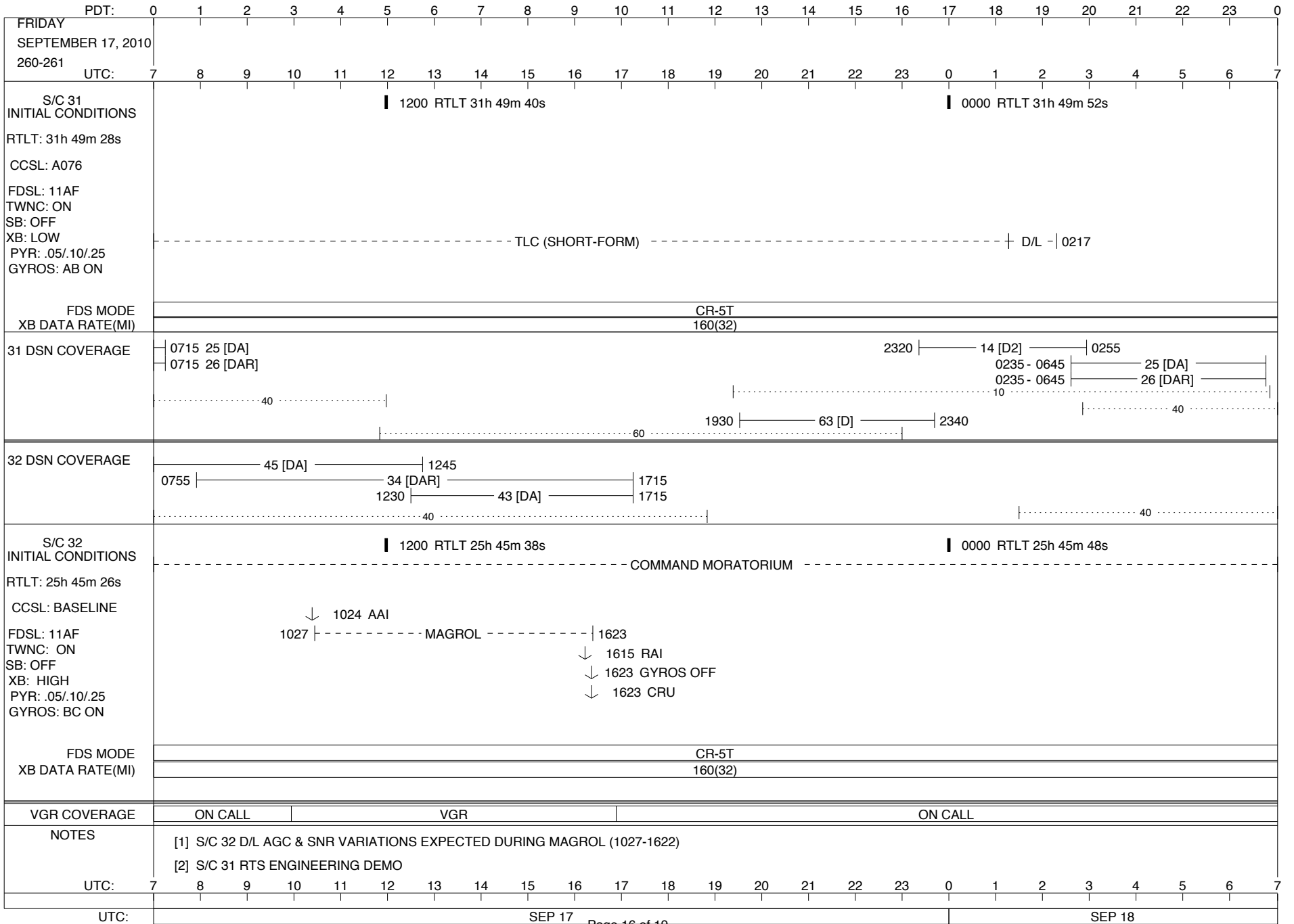
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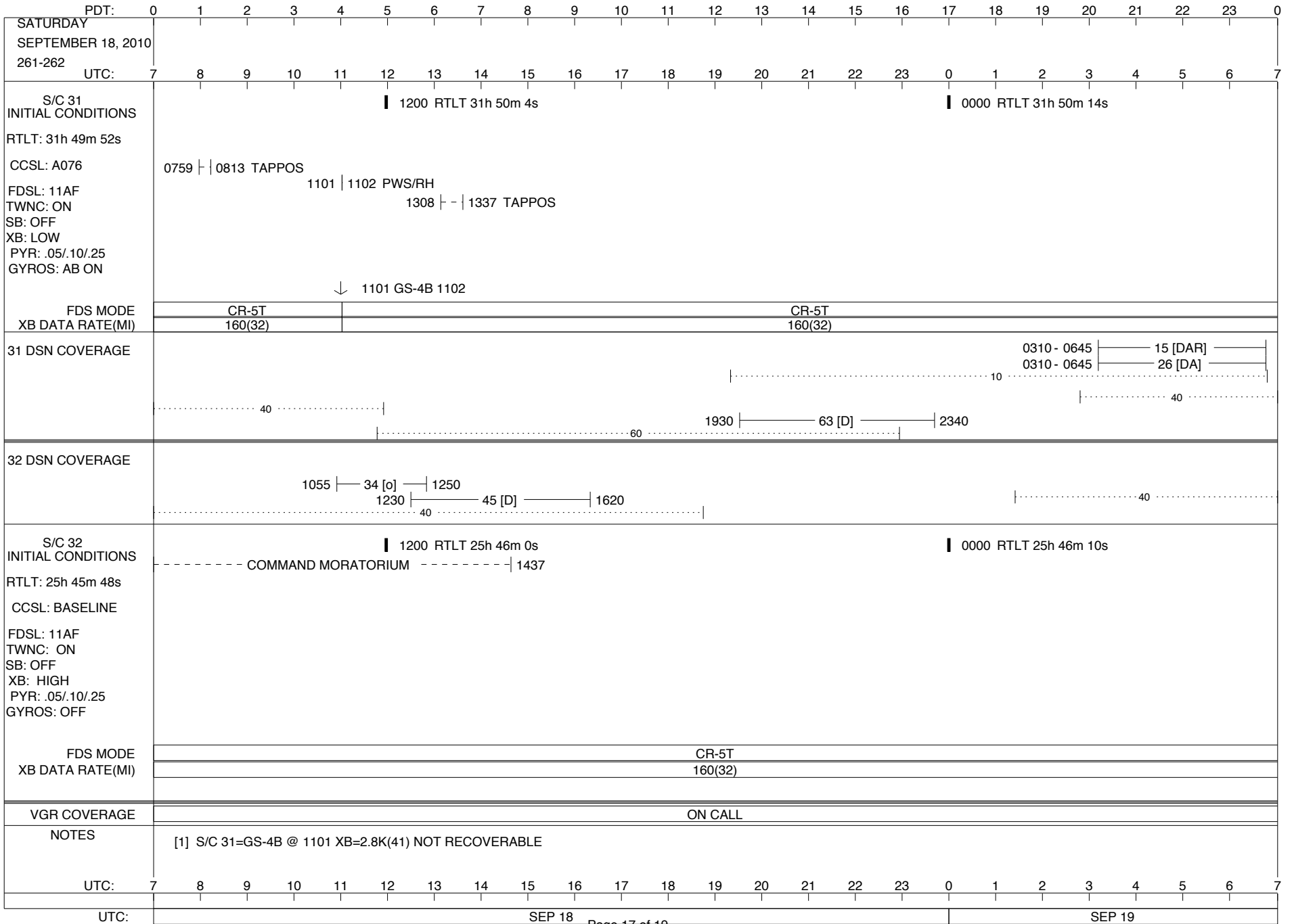


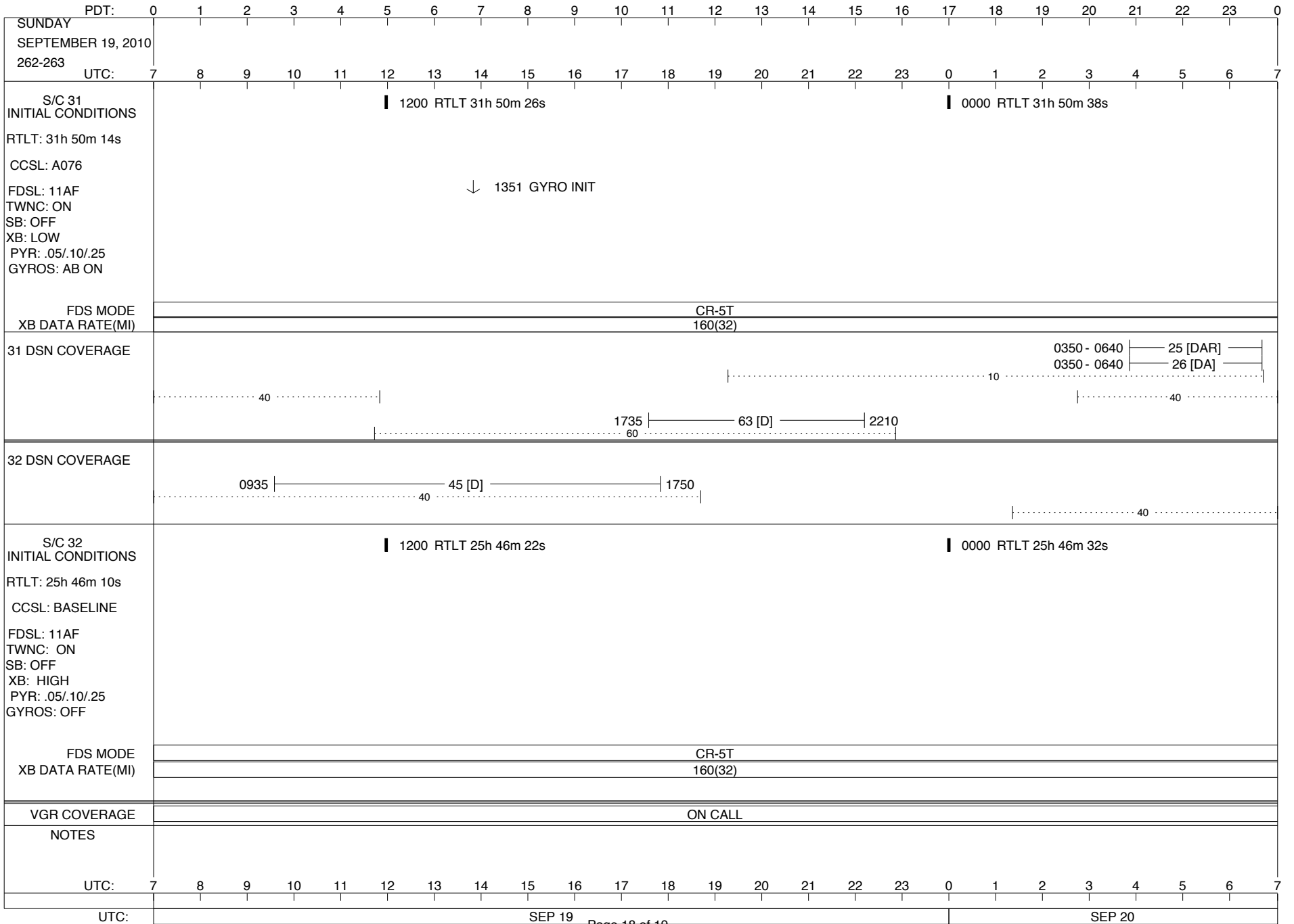




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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0		
MONDAY SEPTEMBER 20, 2010 263-264																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS RTLT: 31h 50m 38s CCSL: A076 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AB ON	<p>1200 RTLT 31h 50m 50s</p> <p>↓ 1339 BAY 1 HTR OFF</p> <p>↓ 1343 X/B HI POWER</p> <p>↓ 1401 AAI</p> <p>1404  ----- MAGROL -----  2000</p> <p>↓ 1953 RAI</p> <p>↓ 2000 GYROS OFF</p> <p>↓ 2000 CRU</p> <p>↓ 2012 X/B LOW POWER</p> <p>↓ 2016 BAY 1 HTR ON</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<p>1040  --- 43 [D] ---  1205</p> <p>40</p> <p>1330  ----- 63 [D] -----  2320</p> <p>60</p>																										
32 DSN COVERAGE	<p>1205  --- 45 [D] ---  1545</p> <p>1540  --- 43 [o] ---  1920</p> <p>40</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 25h 46m 32s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HIGH PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 25h 46m 44s</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE	ON CALL									VGR									ON CALL								
NOTES	[1] S/C 31 D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (1404-1959)																										
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UTC:	SEP 20													Page 19 of 19											SEP 21		