

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: November 24, 2015

For the Period: 11/26/15 to 12/14/15 (15-330 – 15-348)

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**DSOT (1) 230-102**

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 Howard, S. (3)  
 Ludwig, R. (2)  
 Matsumoto, S.  
 Medina  
 Peralta, F.  
 Weeks, T.  
 Wong, R.  
 Yang, L.  
 Zottarelli, L.  
 \*odivers@san.rr.com

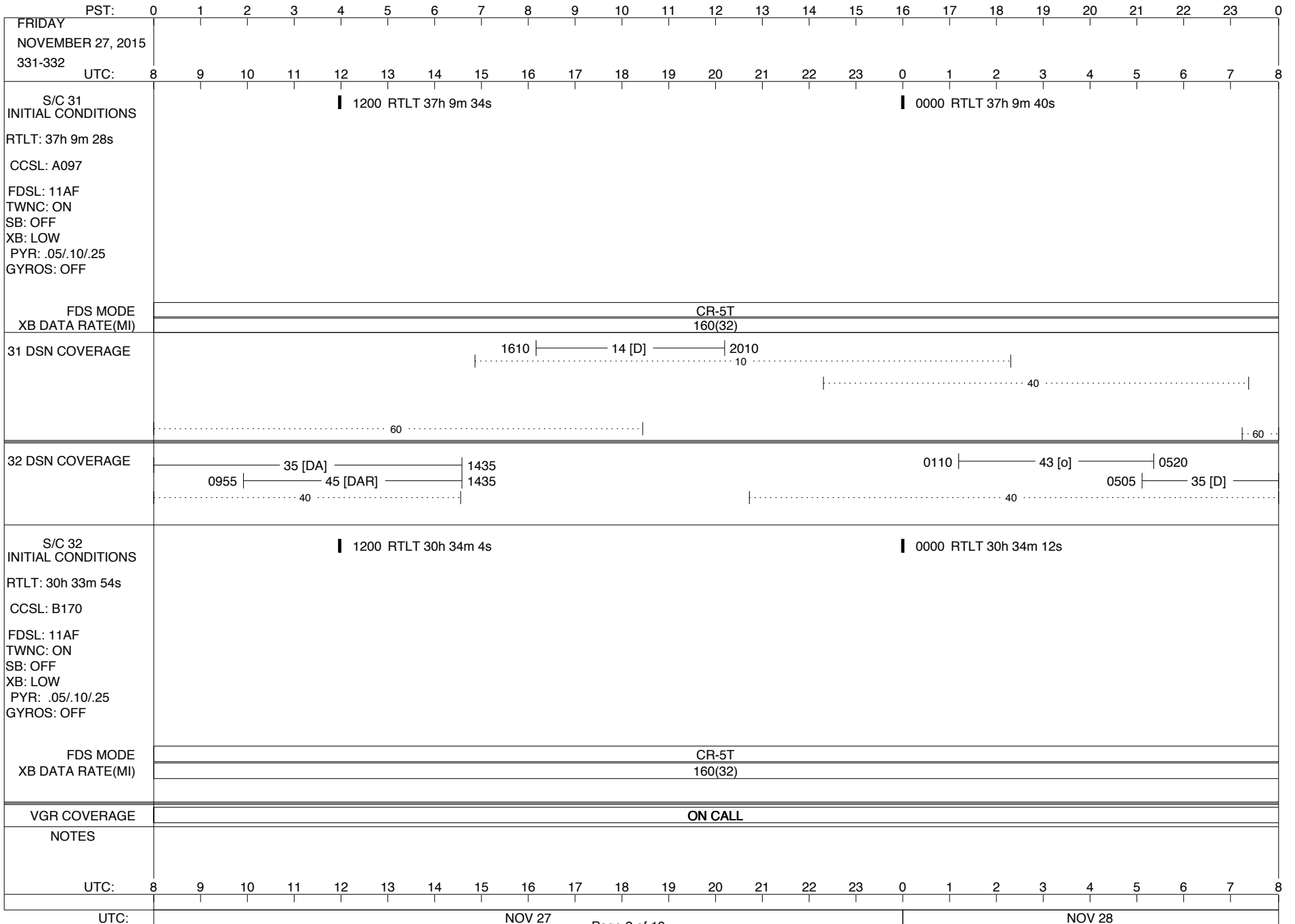
**LEGEND:**  
 ▽ = R/T Command (Last chance or Contingency)  
 ▼ = R/T Command (Scheduled)  
 \* = Result of R/T Command  
 n = (where n = 1,2,3 ..) Special Note, see bottom of page  
 A = Arrayed station  
 B = BLF  
 D = Downlink only pass  
 H = High Power Transmitter  
 R = Array Reference Antenna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

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

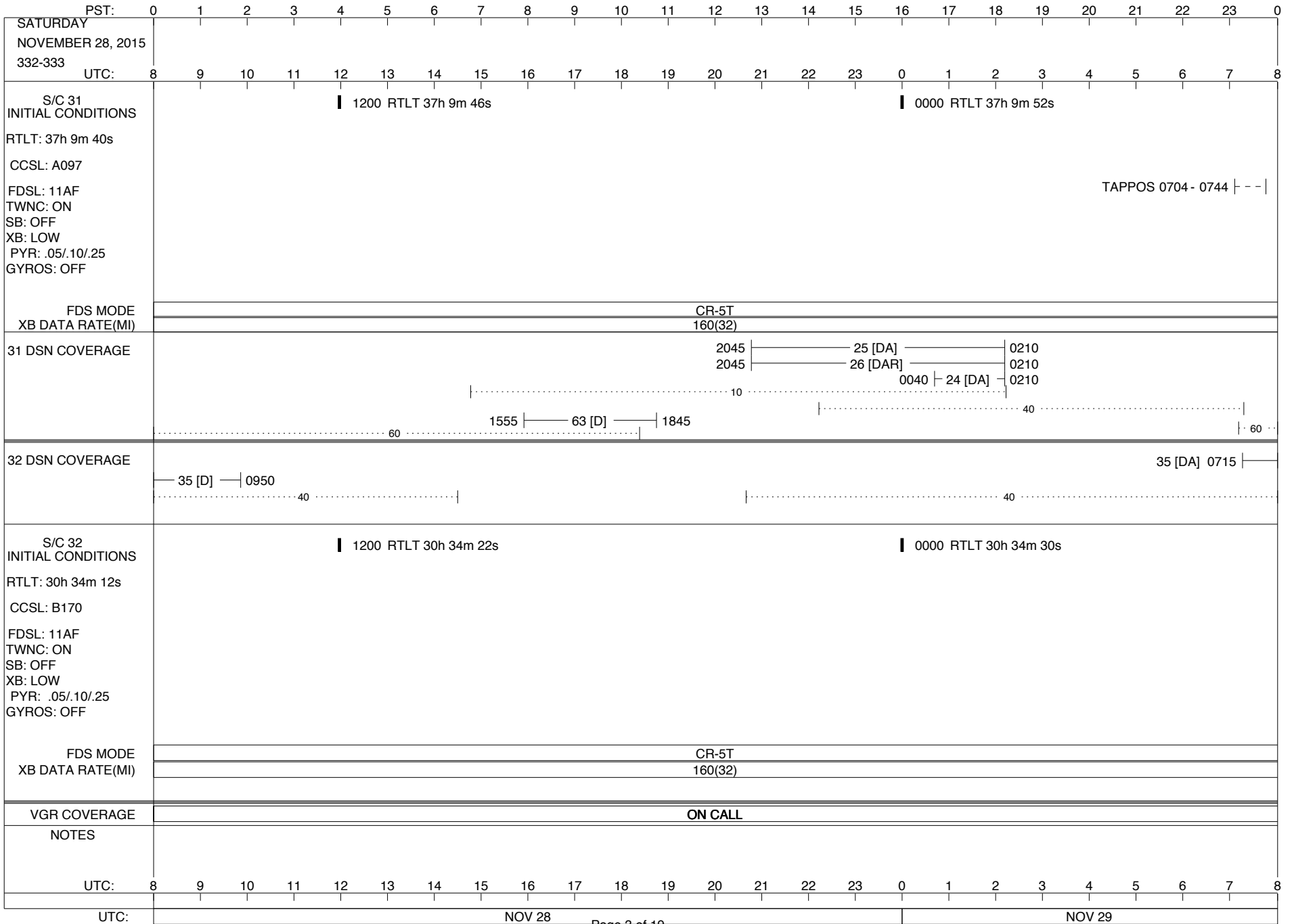
ISSUE DATE: 11/24/15 12:59

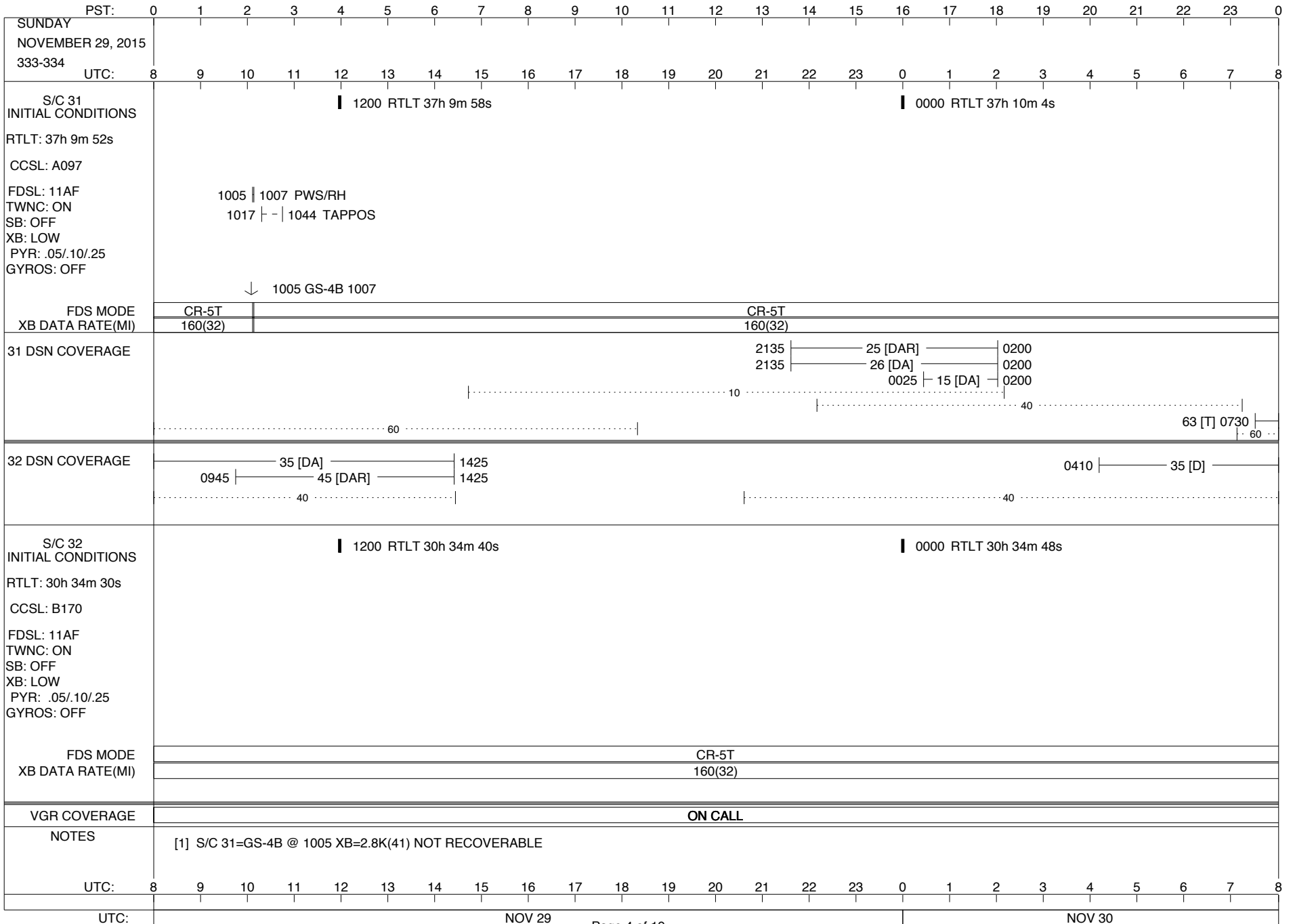
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 9m 16s CCSL: A097 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 37h 9m 22s												0000 RTLTL 37h 9m 28s															
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
31 DSN COVERAGE	1510   14 [D]   1710												2055   25 [DA]   0220 2055   26 [DAR]   0220 0045   15 [DA]   0220															
	60												40															
32 DSN COVERAGE	0955   35 [DA]   0800 - 1435 45 [DAR]   1435												0630   35 [DA]															
	40												40															
S/C 32 INITIAL CONDITIONS RTLTL: 30h 33m 36s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 30h 33m 44s												0000 RTLTL 30h 33m 54s															
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL																											
NOTES	[1] S/C 31=GS-4B @ 0705 XB=2.8K(41) NOT RECOVERABLE JPL HOLIDAY!																											
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UTC:	NOV 26														NOV 27													

ISSUE DATE: 11/24/15 12:59

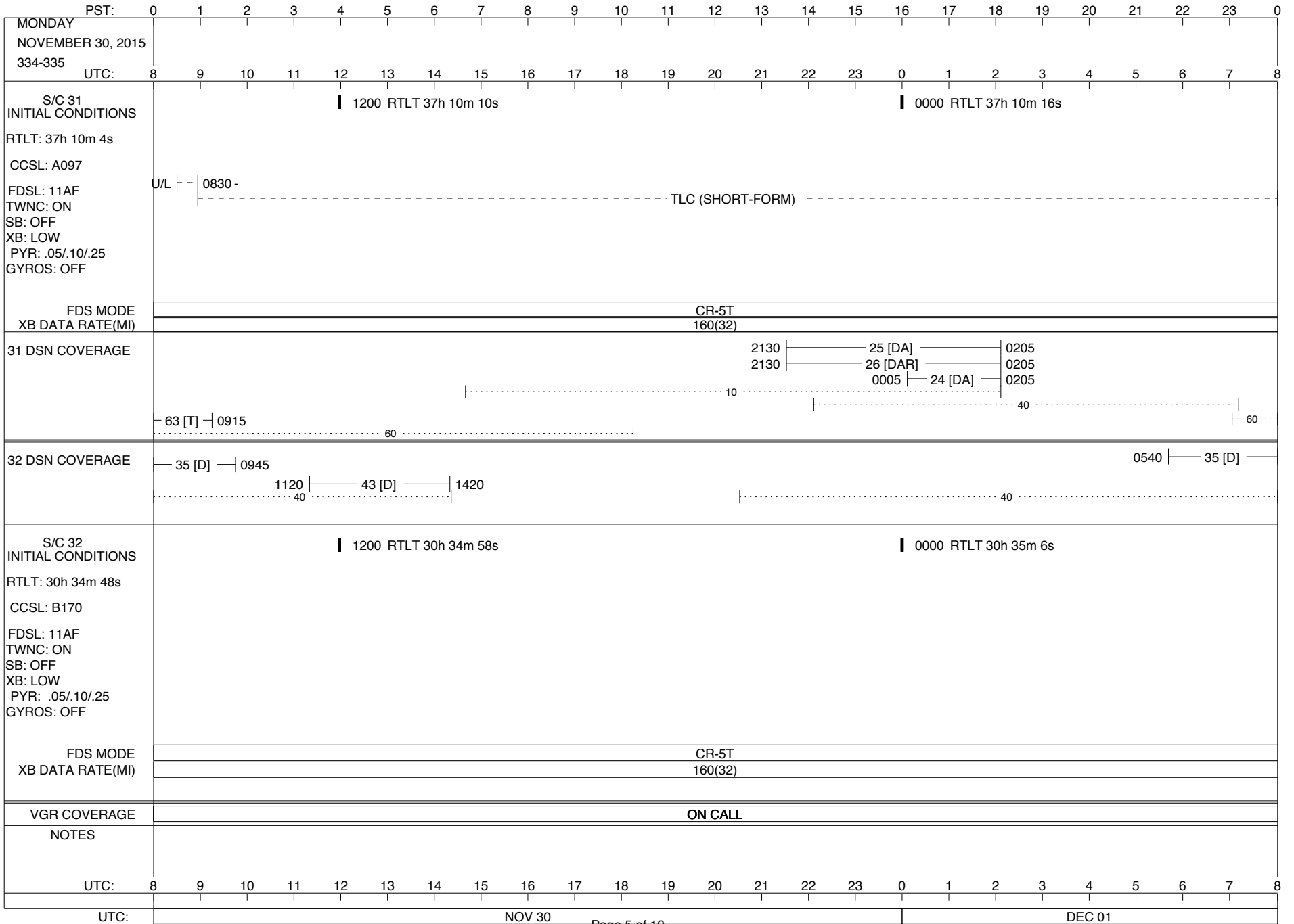


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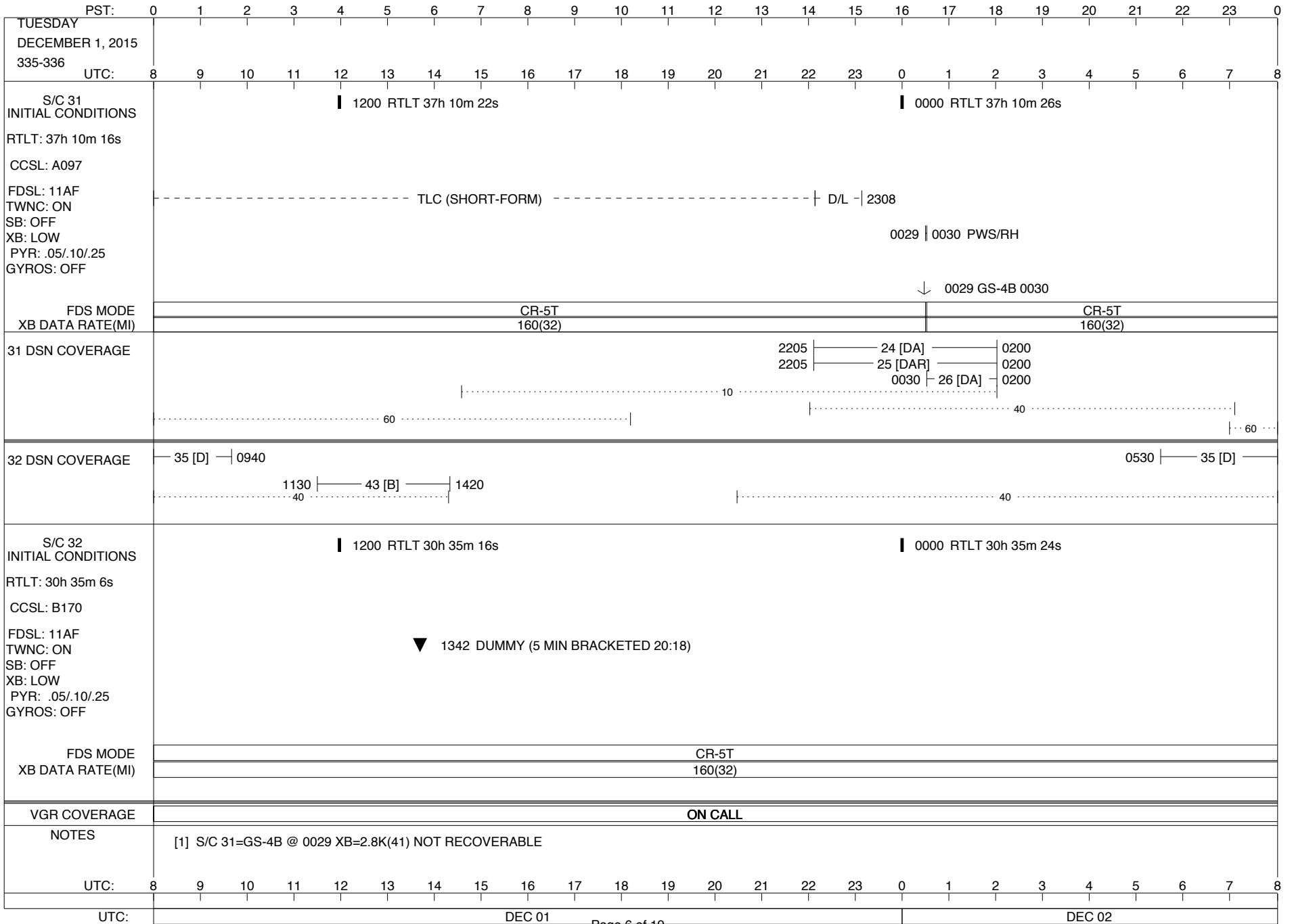




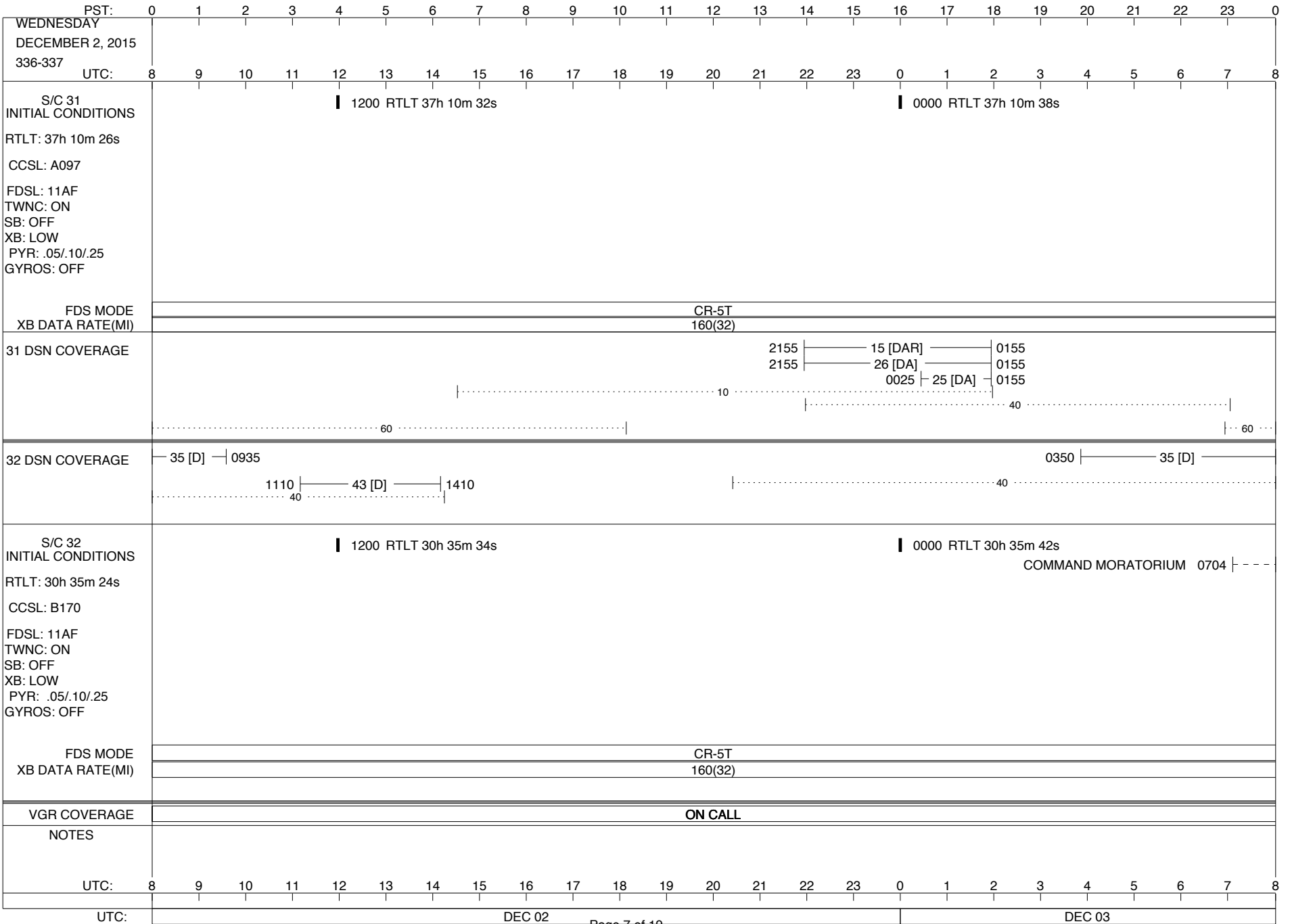
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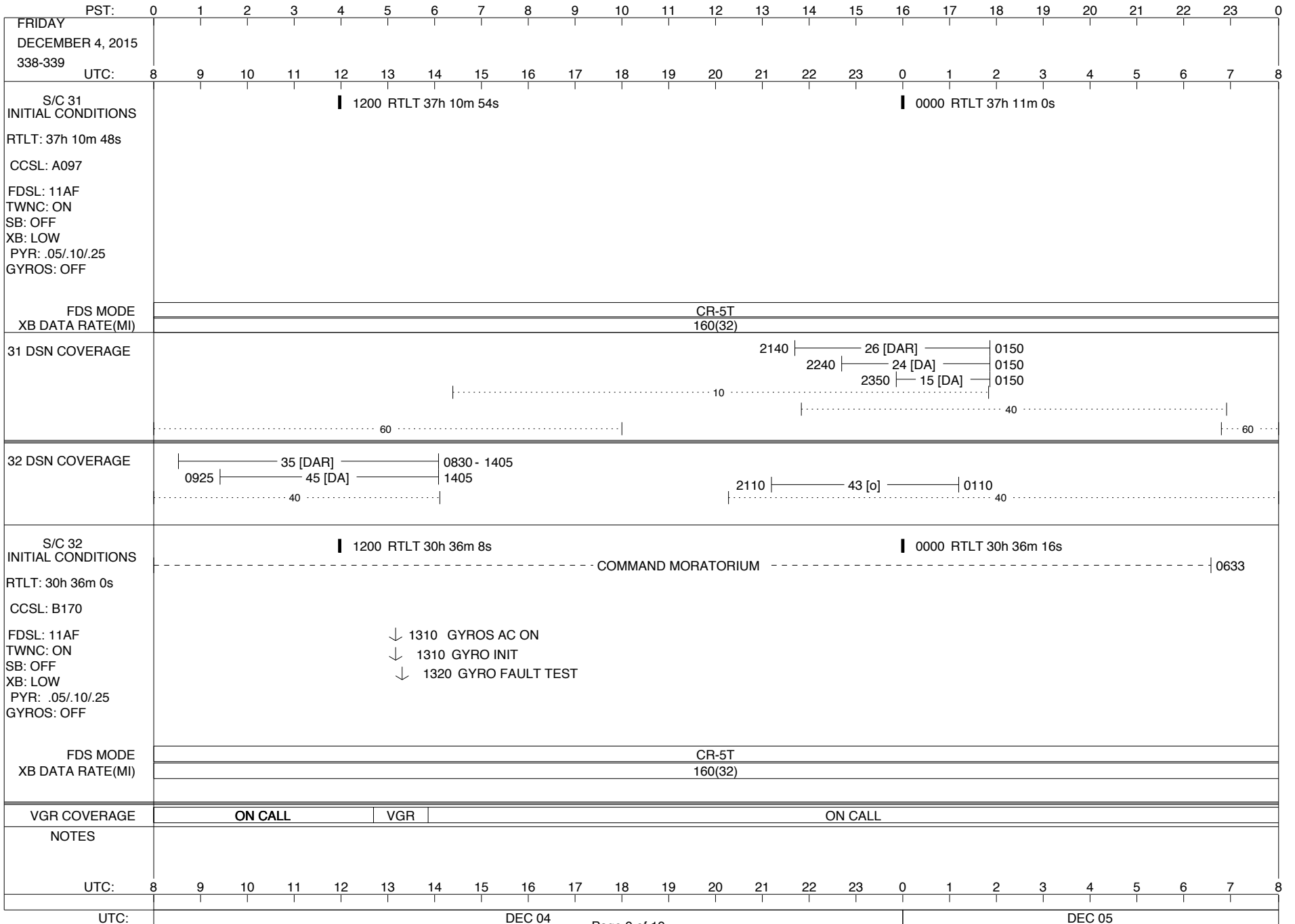




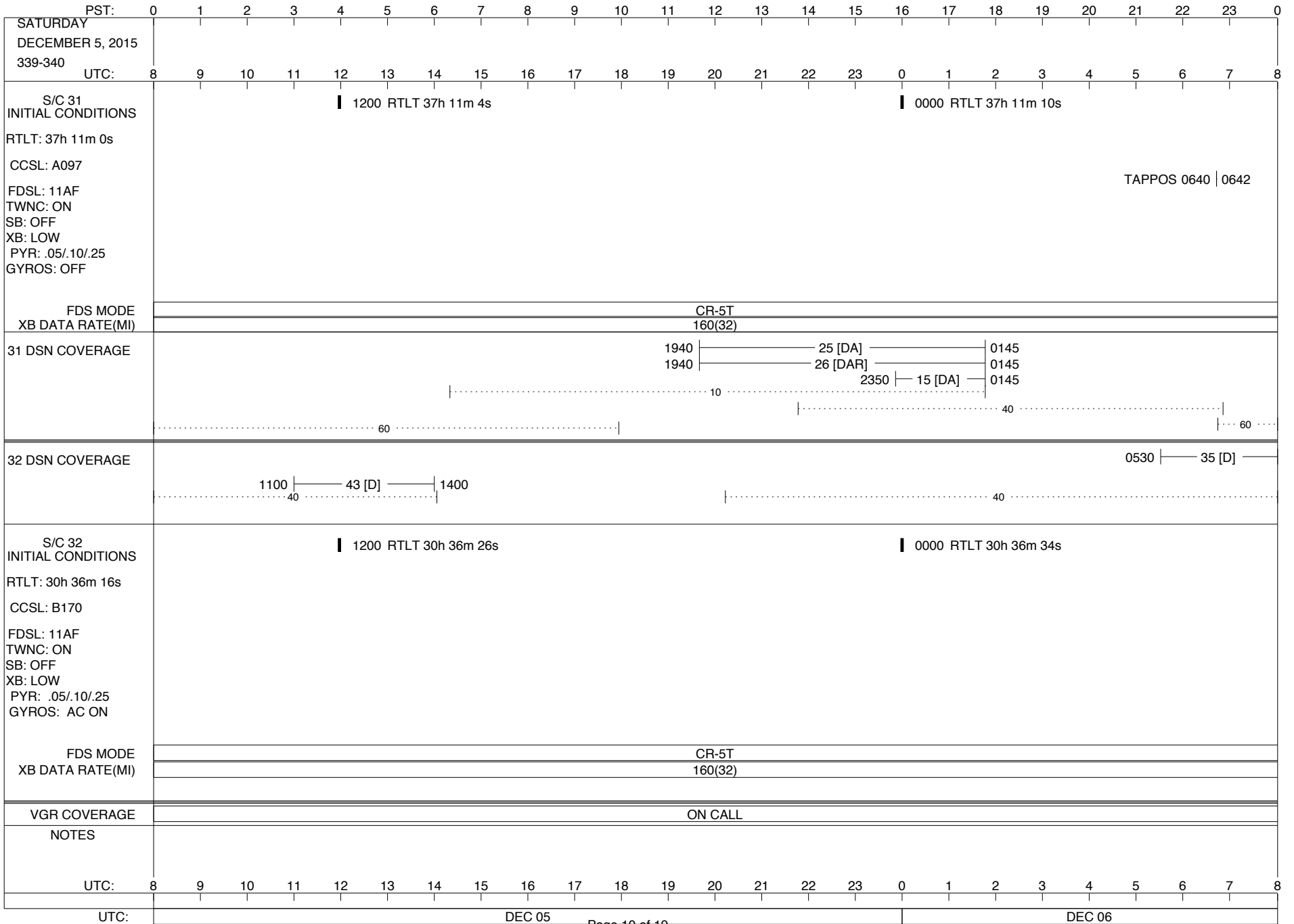
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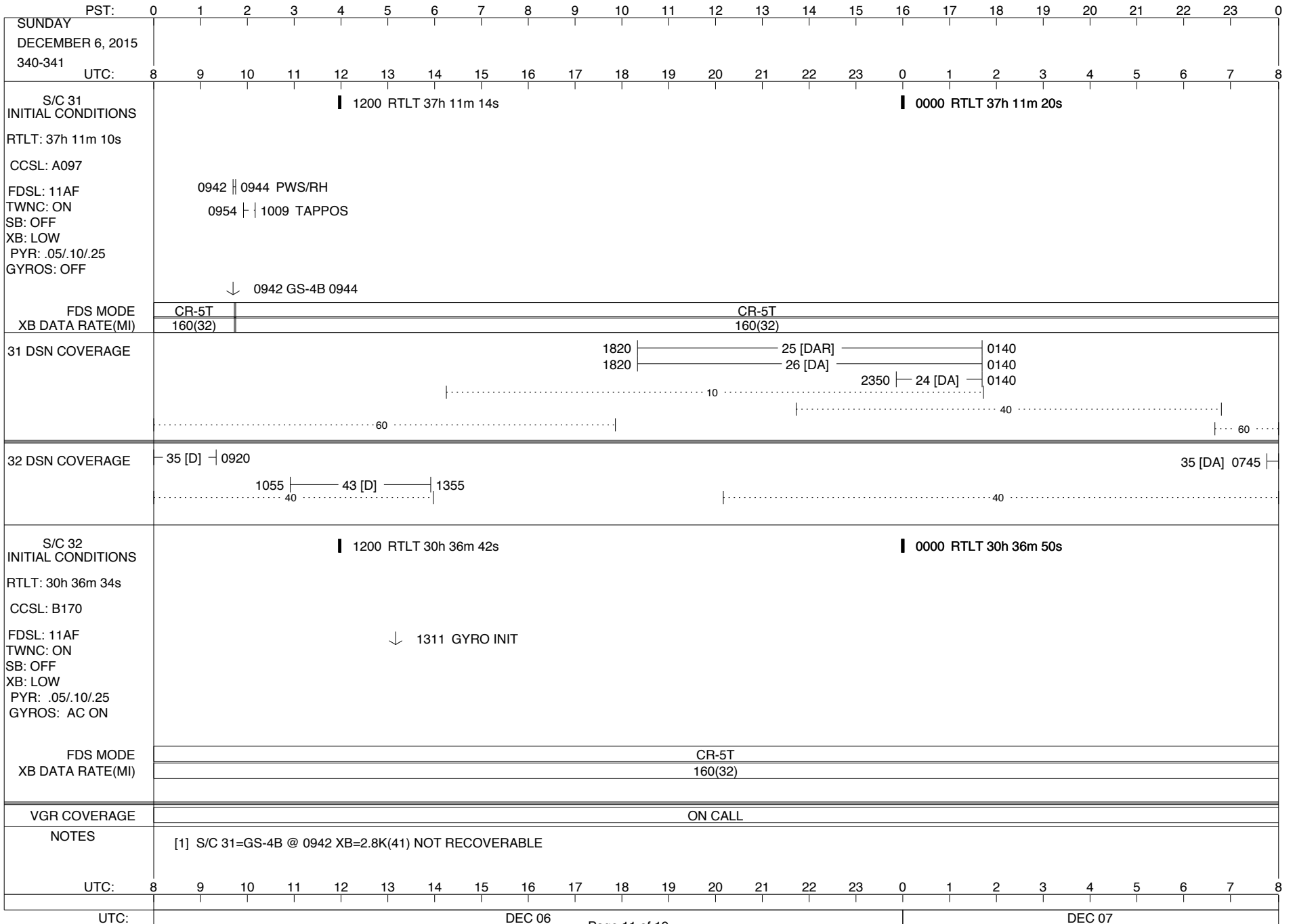
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THURSDAY DECEMBER 3, 2015 337-338																																																	
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 10m 38s CCSL: A097 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 10m 44s												0000 RTLTL 37h 10m 48s																																				
																						0340		0353 TAPPOS			PWS/RH 0642		0644			TAPPOS 0654		0655															
																								0642 GS-4B 0644	↓																								
FDS MODE	CR-5T												CR-5T																																				
XB DATA RATE(MI)	160(32)												160(32)																																				
31 DSN COVERAGE																																																	
32 DSN COVERAGE																																																	
S/C 32 INITIAL CONDITIONS RTLTL: 30h 35m 42s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 30h 35m 52s												0000 RTLTL 30h 36m 0s																																				
	----- COMMAND MORATORIUM -----																																																
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 @ 0642 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 03												DEC 04																																				

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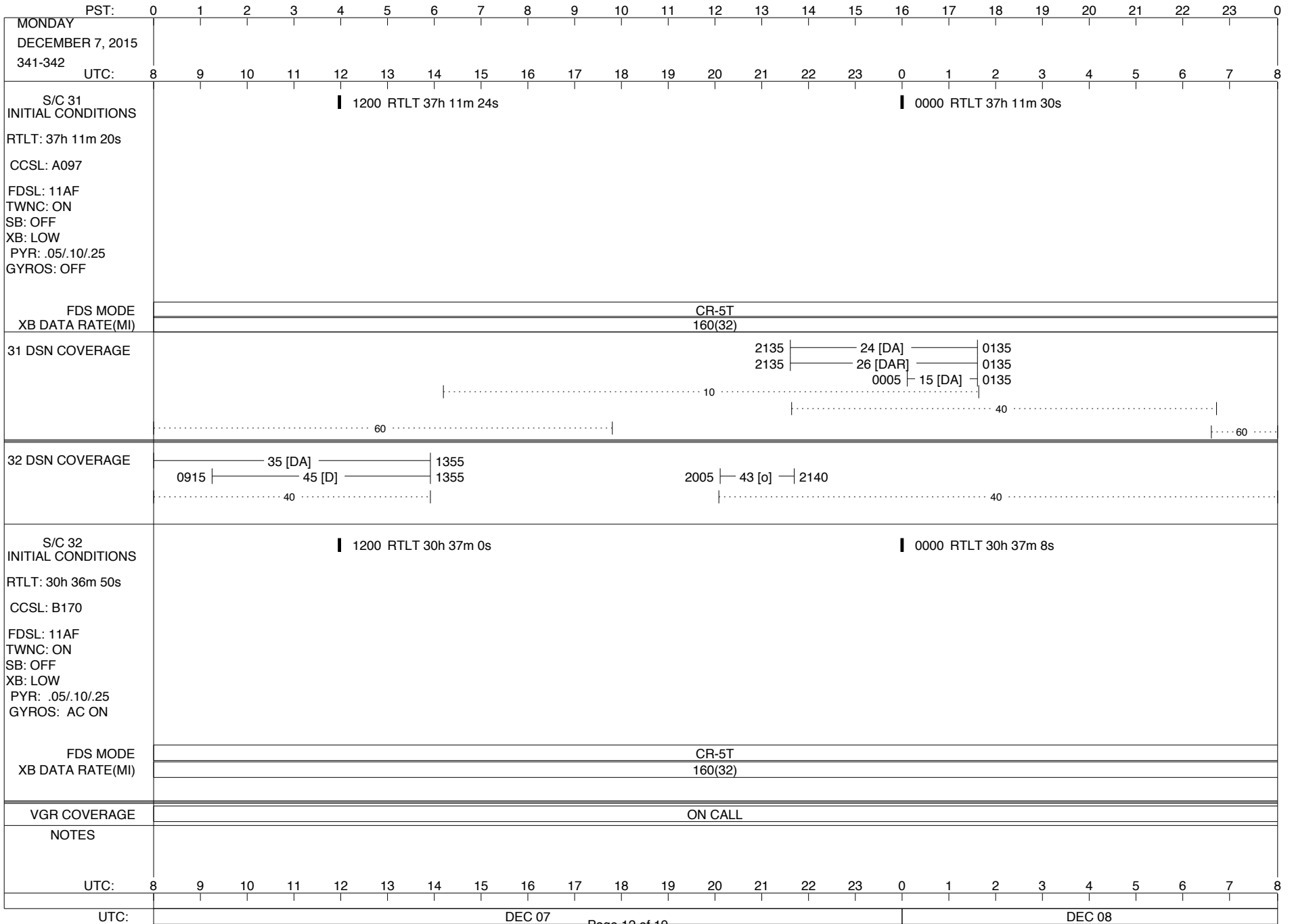


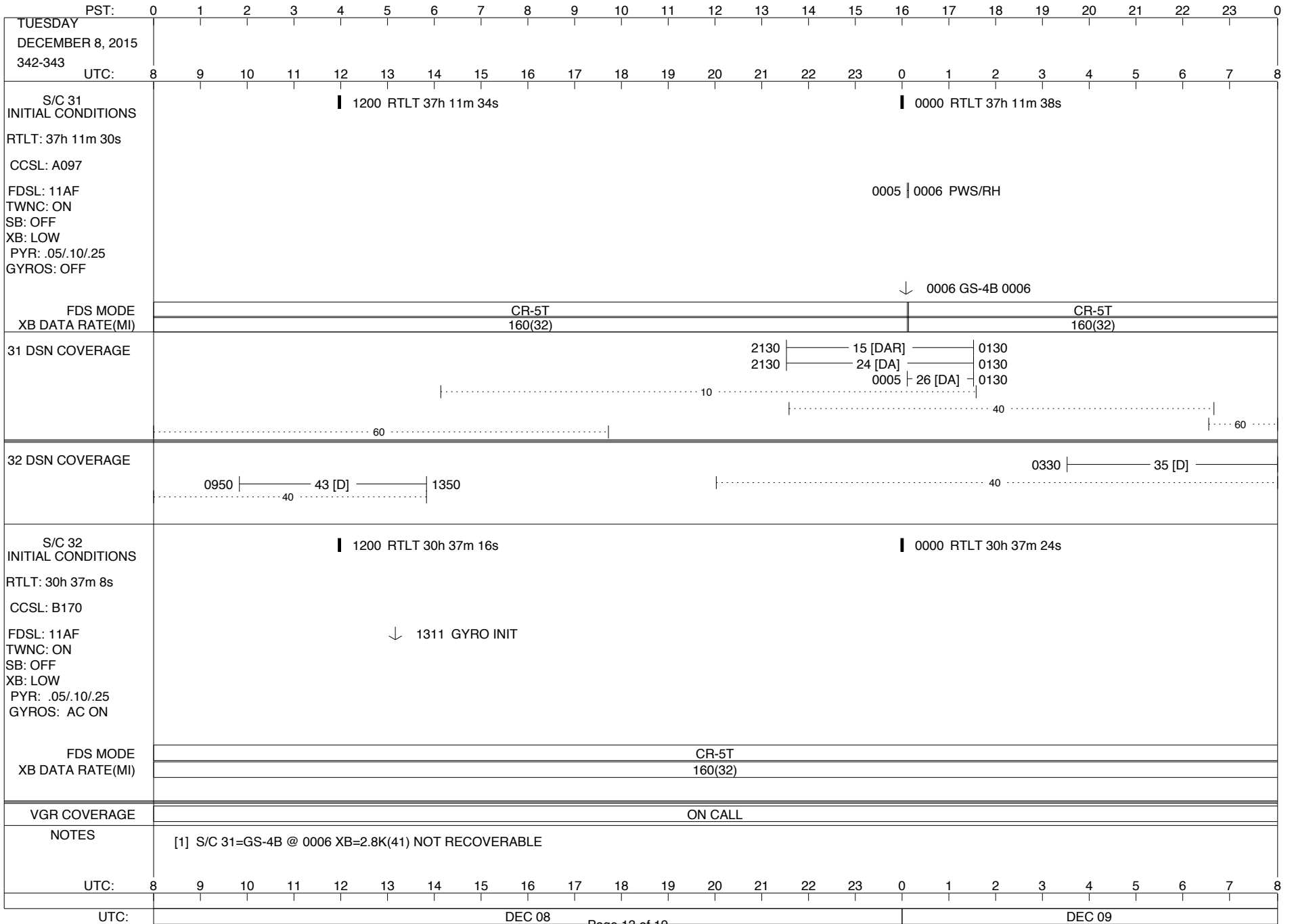
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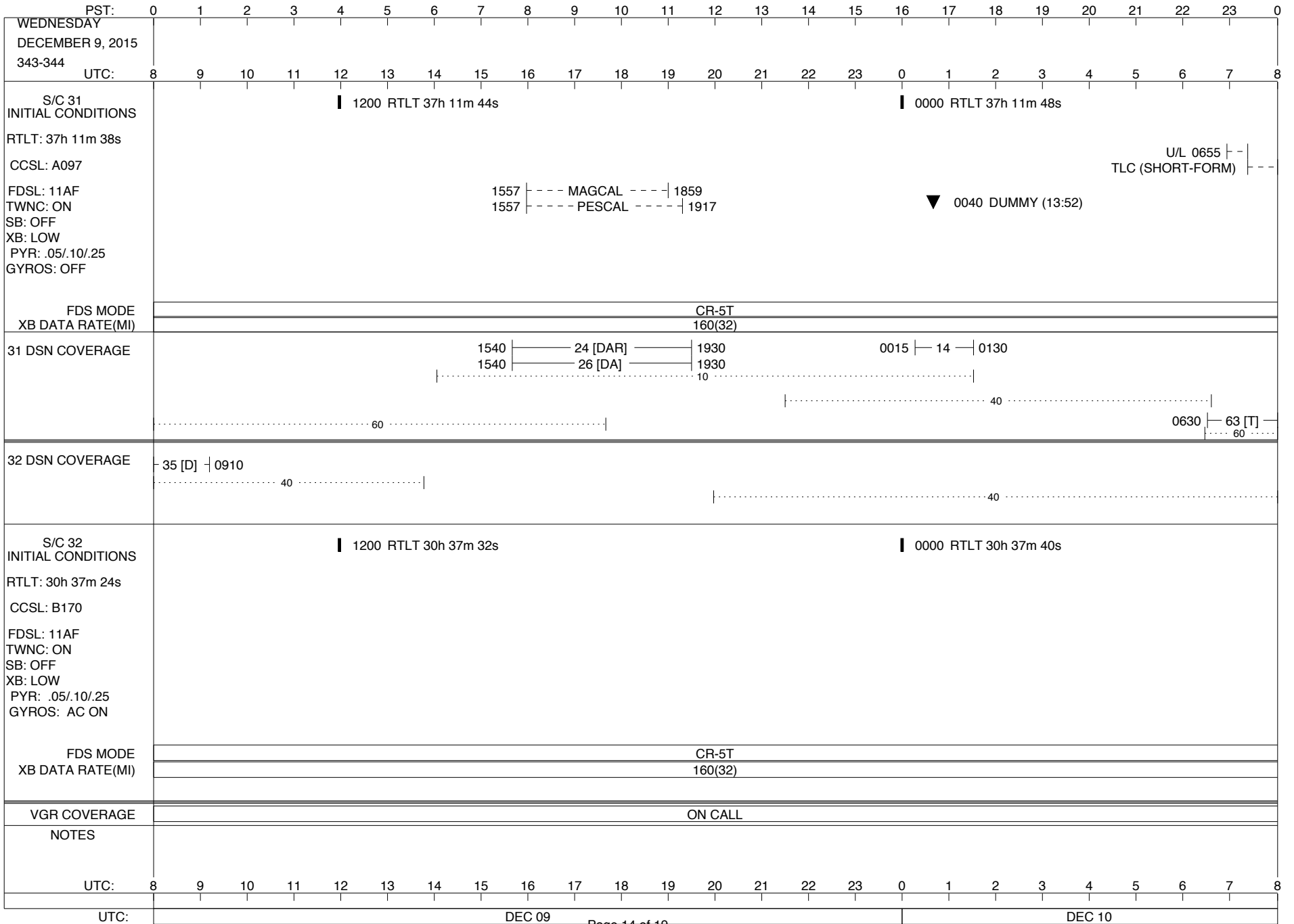


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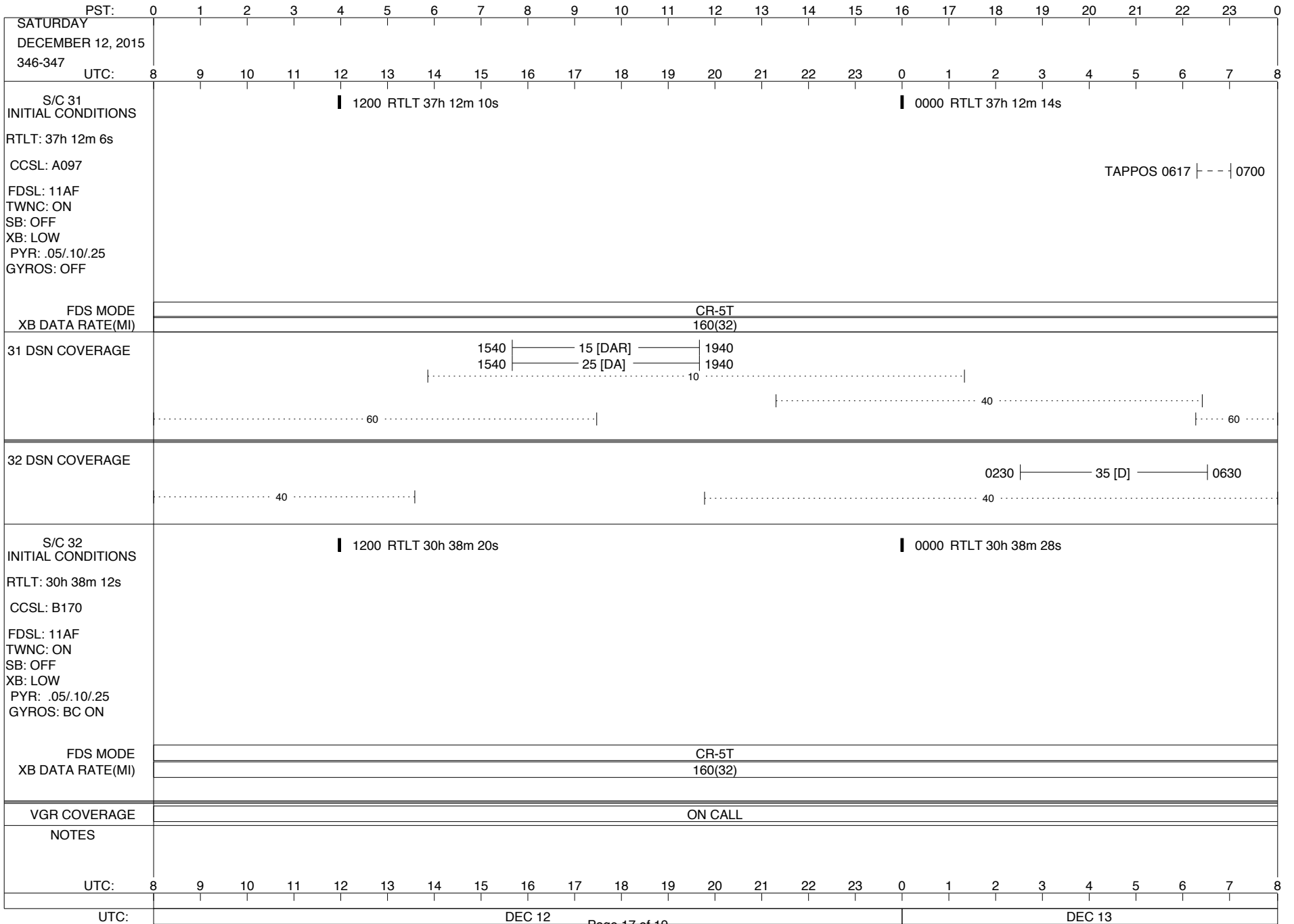


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THURSDAY DECEMBER 10, 2015 344-345																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLTL: 37h 11m 48s CCSL: A097 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 11m 52s												0000 RTLTL 37h 11m 58s															
TLC (SHORT-FORM)														0317   -   0346 TAPPOS PWS/RH 0619   0620 TAPPOS 0630 - 0713   - -   0619 GS-4B 0620 ↓														
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	.....  10 .....												.....  40 .....															
	63 [T]   1030												.....  60 .....															
32 DSN COVERAGE	0940   35 [DA]   1340 0940   45 [DAR]   1340												2345   43 [D]   0145  .....  40 .....															
S/C 32 INITIAL CONDITIONS RTLTL: 30h 37m 40s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	1200 RTLTL 30h 37m 48s												0000 RTLTL 30h 37m 56s															
↓ 1311 GYRO INIT												↓ 0010 GYRO SWAP BC ON ↓ 0010 GYRO INIT ↓ 0020 GYRO FAULT TEST 0116    0122 CCSTIMB FINE																
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
VGR COVERAGE	ON CALL														VGR		ON CALL											
NOTES	[1] S/C 31=GS-4B @ 0619 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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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		
FRIDAY DECEMBER 11, 2015 345-346	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: 37h 11m 58s CCSL: A097 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 37h 12m 2s												█ 0000 RTLT 37h 12m 6s														
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)														
31 DSN COVERAGE	1950  ----- 24 [DAR] -----  2350 1950  ----- 25 [DA] -----  2350  ----- 10 -----   ----- 60 -----												----- 40 -----   ----- 60 -----														
32 DSN COVERAGE	1035  ----- 43 [D] -----  1340  ----- 40 -----												1950  ----- 43 [B] -----  2350  ----- 40 -----														
S/C 32 INITIAL CONDITIONS RTLT: 30h 37m 56s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	█ 1200 RTLT 30h 38m 4s												█ 0000 RTLT 30h 38m 12s														
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:	DEC 11												DEC 12														



ISSUE DATE: 11/24/15 12:59

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, 2015 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: 37h 12m 14s CCSL: A097 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 12m 18s												0000 RTLTL 37h 12m 22s													
	0919   0920 PWS/RH 0931   - - -   1027 TAPPOS																									
	↓ 0919 GS-4B 0920																									
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	1425  ----- 14 [D] -----  1825  .....10.....												.....40.....   .....60.....													
													0615  ----- 63 -----  .....60.....													
32 DSN COVERAGE	.....40.....												0145  ----- 35 [D] -----  0645  .....40.....													
S/C 32 INITIAL CONDITIONS RTLTL: 30h 38m 28s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLTL 30h 38m 36s												0000 RTLTL 30h 38m 42s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 0919 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 13												DEC 14													

ISSUE DATE: 11/24/15 12:59

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: 37h 12m 22s CCSL: A097 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 37h 12m 26s																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 30h 38m 42s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLT 30h 38m 50s																								
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 14												DEC 15												