

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: January 20, 2016

For the Period: 01/21/16 to 02/08/16 (16-014 – 16-032)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

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 *Donald-Gurnett@uiowa.edu

FLIGHT TEAM (14) 600-100

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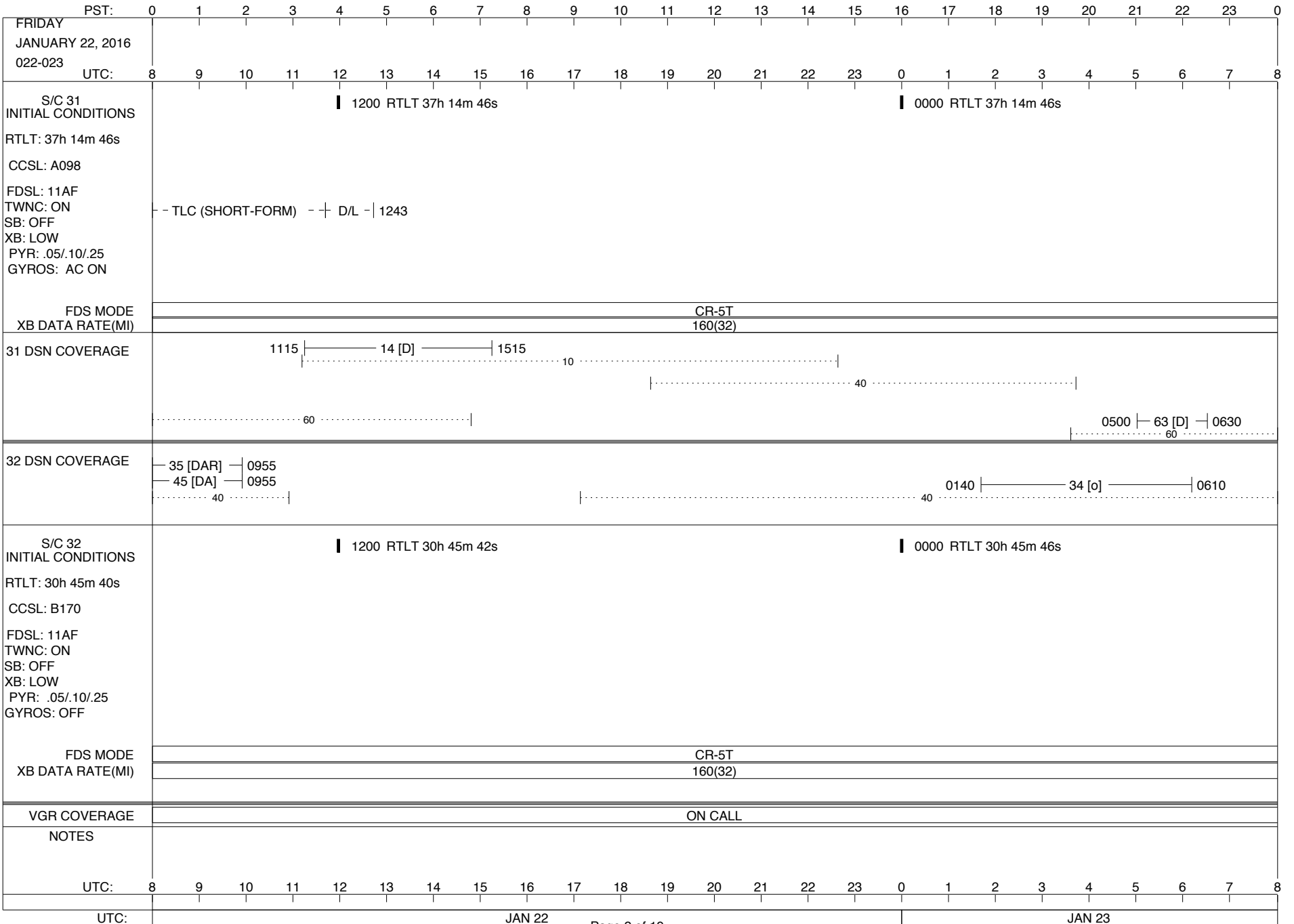
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U =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

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

ISSUE DATE: 01/20/16 07:41

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 14m 46s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 14m 46s												0000 RTLT 37h 14m 46s												
	↓ 1318 GYROS AC ON																								
	↓ 1318 GYRO INIT																								
	↓ 1327 GYRO FAULT TEST																								
	----- TLC (SHORT-FORM) -----																								
													0054 0056 TAPPOS												
													0357 0357 PWS/RH												
													0408 0420 TAPPOS												
													↓ 0357 GS-4B 0357												
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 RTLT: 30h 45m 34s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 45m 36s												0000 RTLT 30h 45m 40s												
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 @ 0357 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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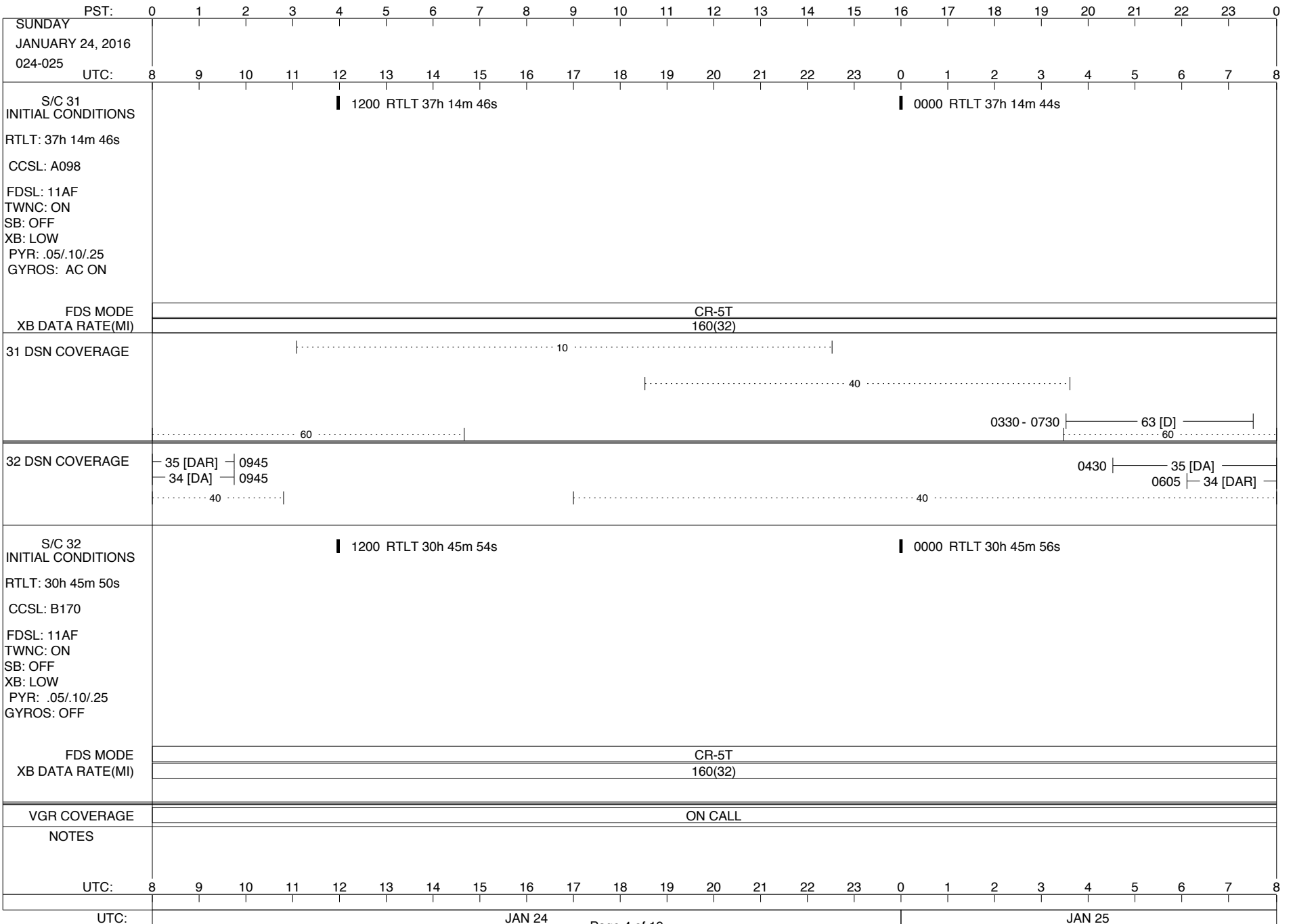
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 14m 46s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON		█ 1200 RTLTL 37h 14m 46s											█ 0000 RTLTL 37h 14m 46s															
FDS MODE		CR-5T															CR-5T											
XB DATA RATE(MI)		160(32)																										
31 DSN COVERAGE		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1240 ----- 15 [DAR] ----- 1900</p> <p>1240 ----- 25 [DA] ----- 1900</p> <p>..... ----- 10 ----- 40 ----- </p> </div> <div style="width: 50%;"> <p>0335 - 0735 ----- 63 [D] ----- </p> <p>..... ----- 60 ----- </p> </div> </div>																										
32 DSN COVERAGE		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>..... ----- 40 ----- </p> </div> <div style="width: 50%;"> <p>0610 ----- 35 [DAR] ----- </p> <p>0610 ----- 34 [DA] ----- </p> <p>..... ----- 40 ----- </p> </div> </div>																										
S/C 32 INITIAL CONDITIONS RTLTL: 30h 45m 46s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		█ 1200 RTLTL 30h 45m 48s											█ 0000 RTLTL 30h 45m 50s															
FDS MODE		CR-5T															CR-5T											
XB DATA RATE(MI)		160(32)																										
VGR COVERAGE		ON CALL																										
NOTES		[1] S/C 31=GS-4B @ 0657 XB=2.8K(41) NOT RECOVERABLE																										
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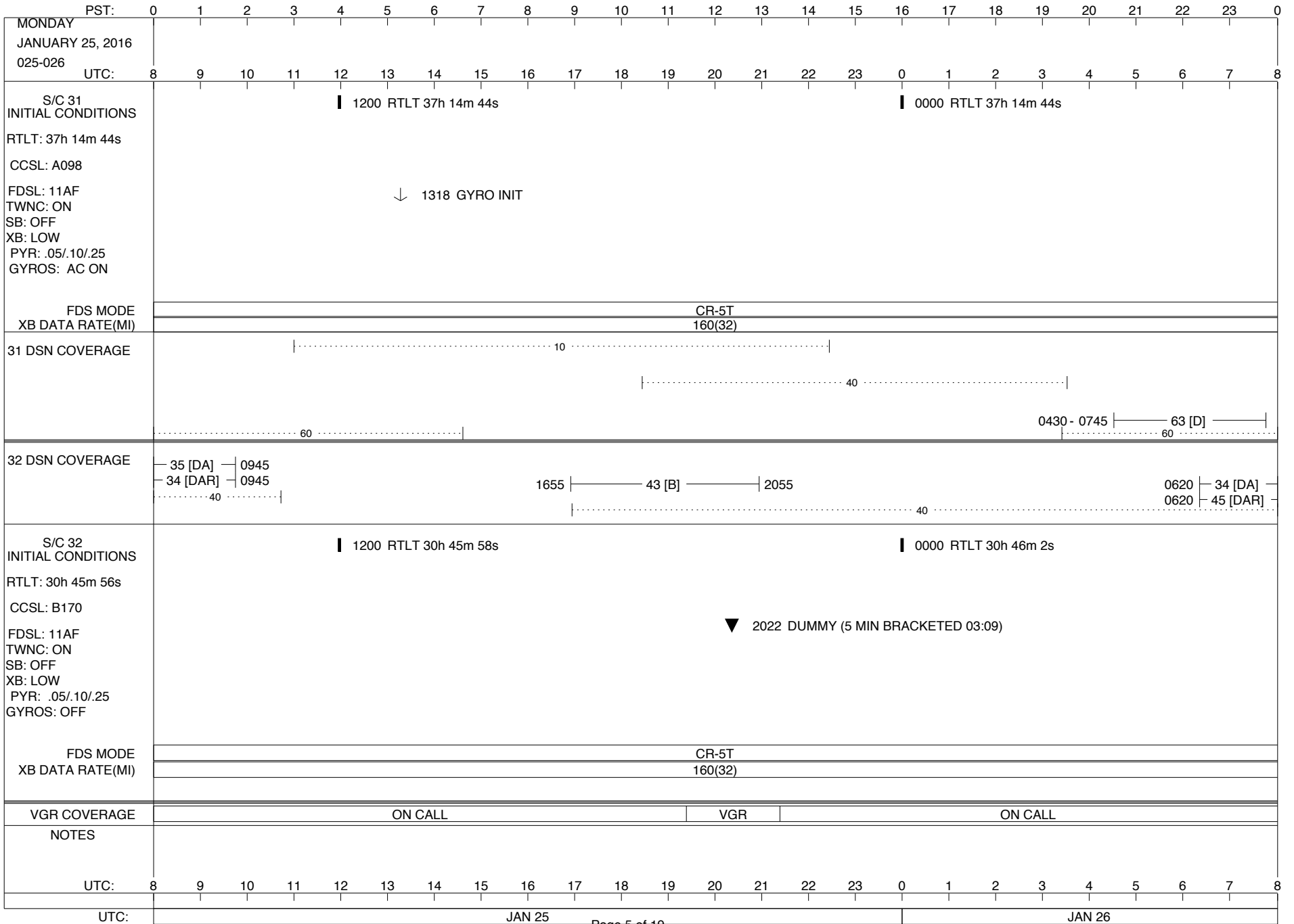
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UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: JAN 24 | Page 4 of 19 | JAN 25

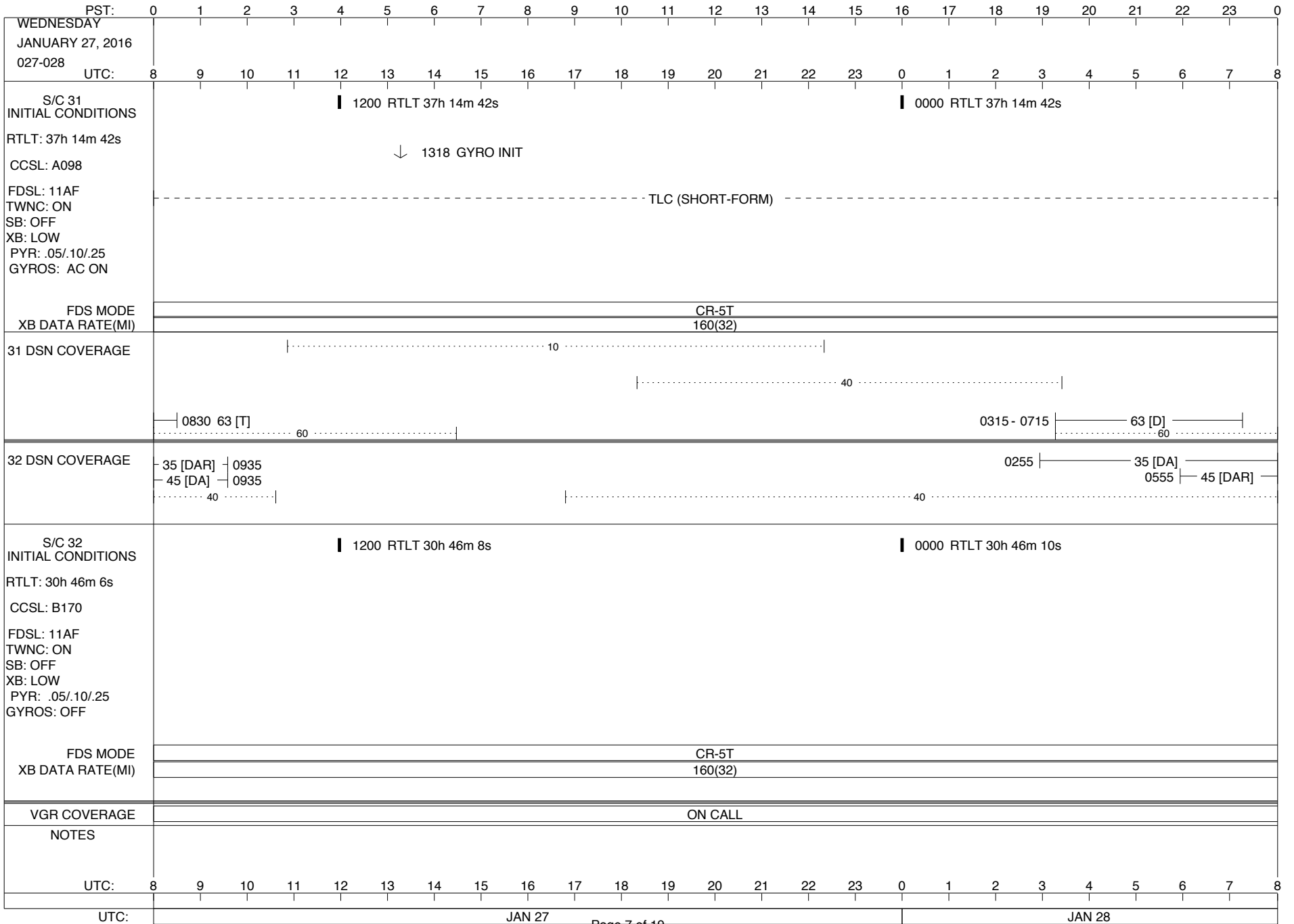
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TUESDAY																													
JANUARY 26, 2016																													
026-027																													
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S/C 31 INITIAL CONDITIONS		█ 1200 RTLT 37h 14m 44s														█ 0000 RTLT 37h 14m 42s													
RTLT: 37h 14m 44s																													
CCSL: A098																													
FDSL: 11AF																2119 2120 PWS/RH							U/L 0510 -						
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: AC ON																													
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		█ 1200 RTLT 30h 46m 4s														█ 0000 RTLT 30h 46m 6s													
RTLT: 30h 46m 2s																													
CCSL: B170																													
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 @ 2119 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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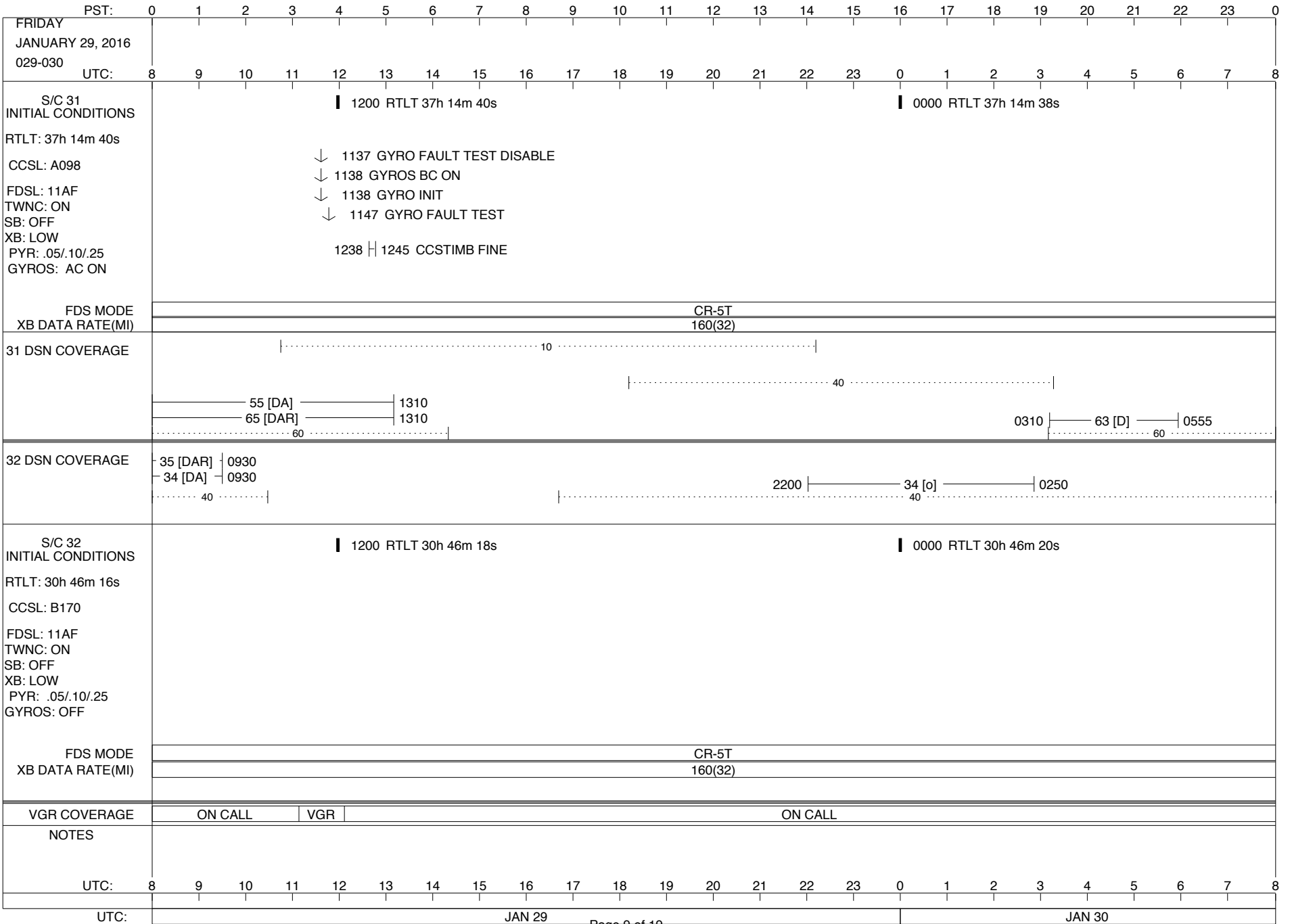
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FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	1335 ----- 15 [DAR] ----- 1645 1335 ----- 26 [DA] ----- 1645 ----- 10 -----													 ----- 40 ----- 0625 55 [DA] 0625 65 [DAR] ----- 60 -----													
32 DSN COVERAGE	- 35 [DA] 0930 - 45 [DAR] 0930 ----- 40 -----														0615 35 [DAR] 0615 34 [DA] ----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLTL: 30h 46m 10s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 46m 14s														0000 RTLT 30h 46m 16s													
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 @ 0332 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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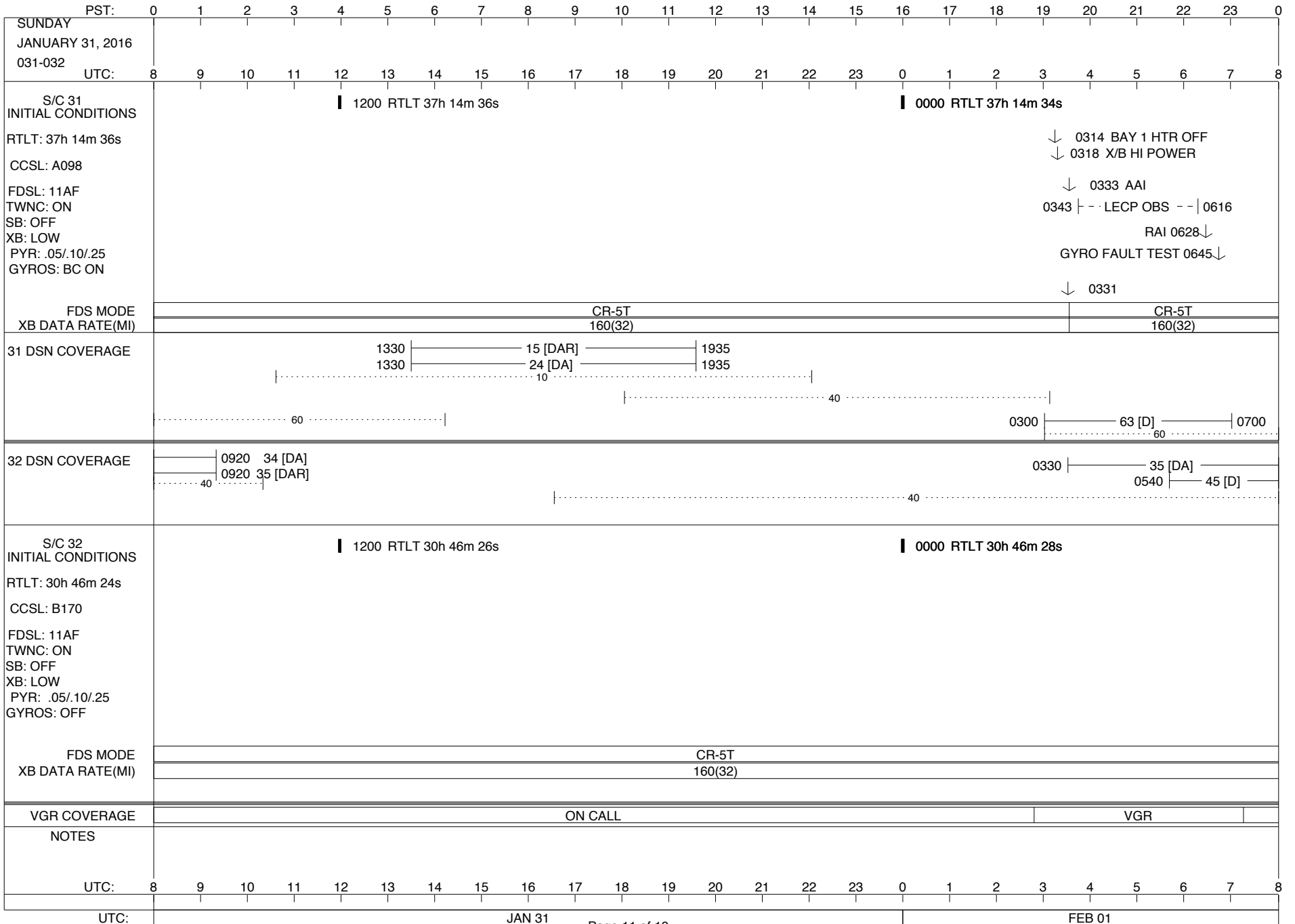
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S/C 31 INITIAL CONDITIONS RTL: 37h 14m 38s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 37h 14m 38s												0000 RTLT 37h 14m 36s												
													0330 - 0356 TAPPOS PWS/RH 0632 0633 TAPPOS 0644 0656												
													0632 GS-4B 0633 ↓												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1210 ----- 25 [DAR] ----- 1610 1210 ----- 26 [DA] ----- 1610 ----- 10 ----- ----- 40 ----- ----- 60 -----																								
32 DSN COVERAGE	----- 40 -----												0345 ----- 34 [DA] ----- ----- 40 ----- 0545 ----- 35 [DAR] -----												
S/C 32 INITIAL CONDITIONS RTL: 30h 46m 20s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 46m 22s												0000 RTLT 30h 46m 24s												
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 @ 0632 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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ISSUE DATE: 01/20/16 07:41

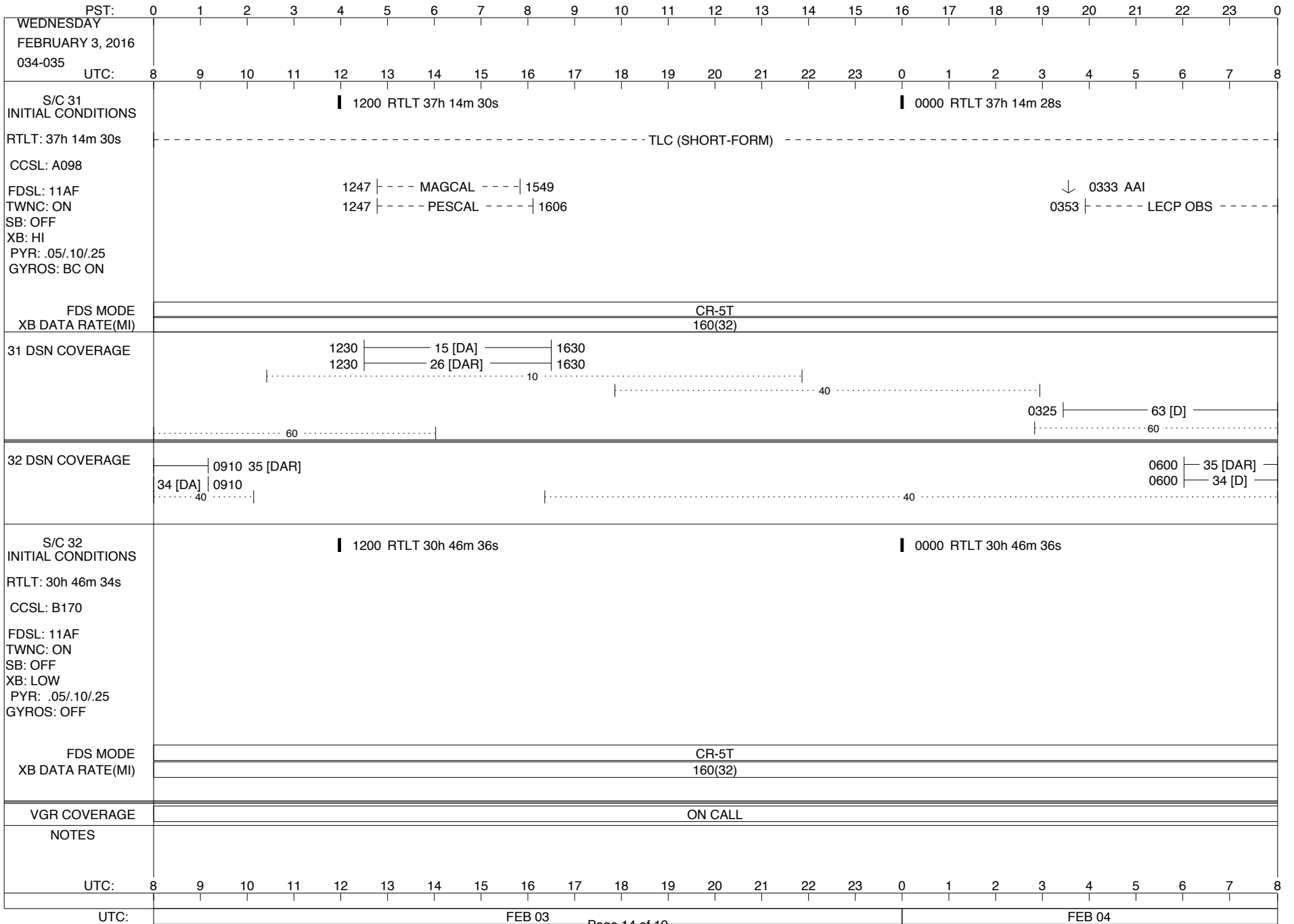


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S/C 31 INITIAL CONDITIONS RTLT: 37h 14m 34s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON		█ 1200 RTLT 37h 14m 34s												█ 0000 RTLT 37h 14m 32s																	
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)															
31 DSN COVERAGE	 10 40										0300 ----- 63 [D] ----- 0700 60									
32 DSN COVERAGE		35 [DA] 0915 45 [D] 0915 40 40										2245 ----- 34 [o] ----- 0245 40										0655 [DAR] 34 [DA] 0655 -----							
S/C 32 INITIAL CONDITIONS RTLT: 30h 46m 28s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		█ 1200 RTLT 30h 46m 28s												█ 0000 RTLT 30h 46m 30s																	
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)															
VGR COVERAGE		ON CALL														VGR															
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:		FEB 01														FEB 02															

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S/C 31 INITIAL CONDITIONS RTLT: 37h 14m 32s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 37h 14m 32s ↓ 1237 GYRO INIT 2055 2056 PWS/RH ↓ 2055 GS-4B 2056												0000 RTLT 37h 14m 30s DUMMY (16:50) 0335▼ U/L 0400 - - TLC (SHORT-FORM) - - ALL DB=.05 0429↓ AAI 0445↓ ASCAL 0445 - - 0522 RAI 0520↓ CRU 0522↓ YAW=.10 0531 ↓ ROLL=.25 0531 ↓ GYRO FAULT TEST 0532↓ ↓ 0413↓ 0525															
FDS MODE	CR-5T												CR-5T						EL-40		CR-5T							
XB DATA RATE(MI)	160(32)												160(32)						40(30)		160(32)							
31 DSN COVERAGE 10 40 60 0255 ----- 63 [T] ----- 0540 60																											
32 DSN COVERAGE	[DAR] 0915 34 [DA] 0915 40 40 0510 ----- 35 [DAR] ----- 0530 ----- 34 [DA] -----																											
S/C 32 INITIAL CONDITIONS RTLT: 30h 46m 30s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 46m 32s												0000 RTLT 30h 46m 34s															
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL																VGR				ON CALL							
NOTES	[1] S/C 31=GS-4B @ 2055 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=D/L AGC & SNR VARIATIONS EXPECTED DURING ASCAL (0445-0522) [3] S/C 31=EL-40 @ 0413 XB=40(30)																											
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UTC:	FEB 02																FEB 03											

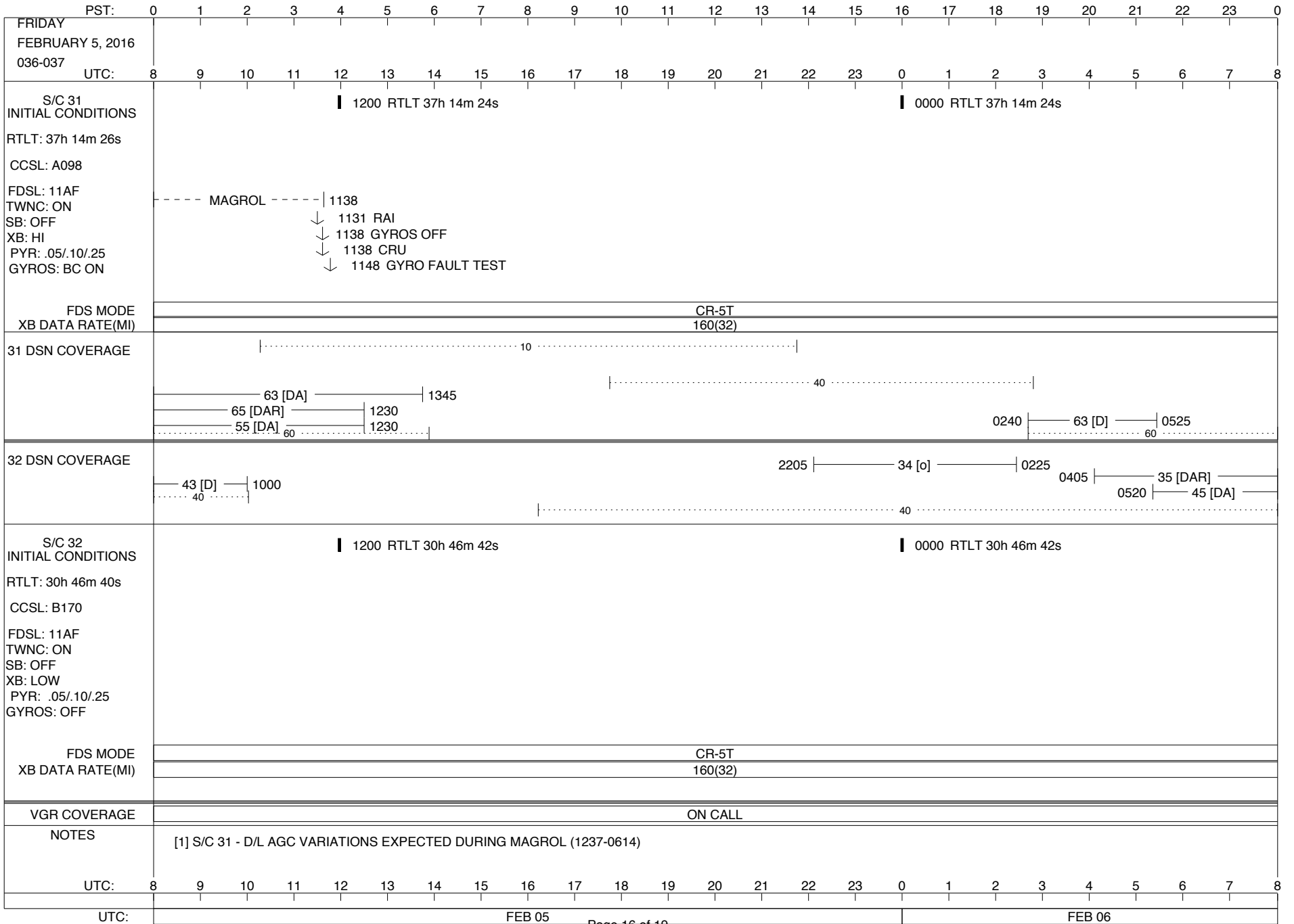
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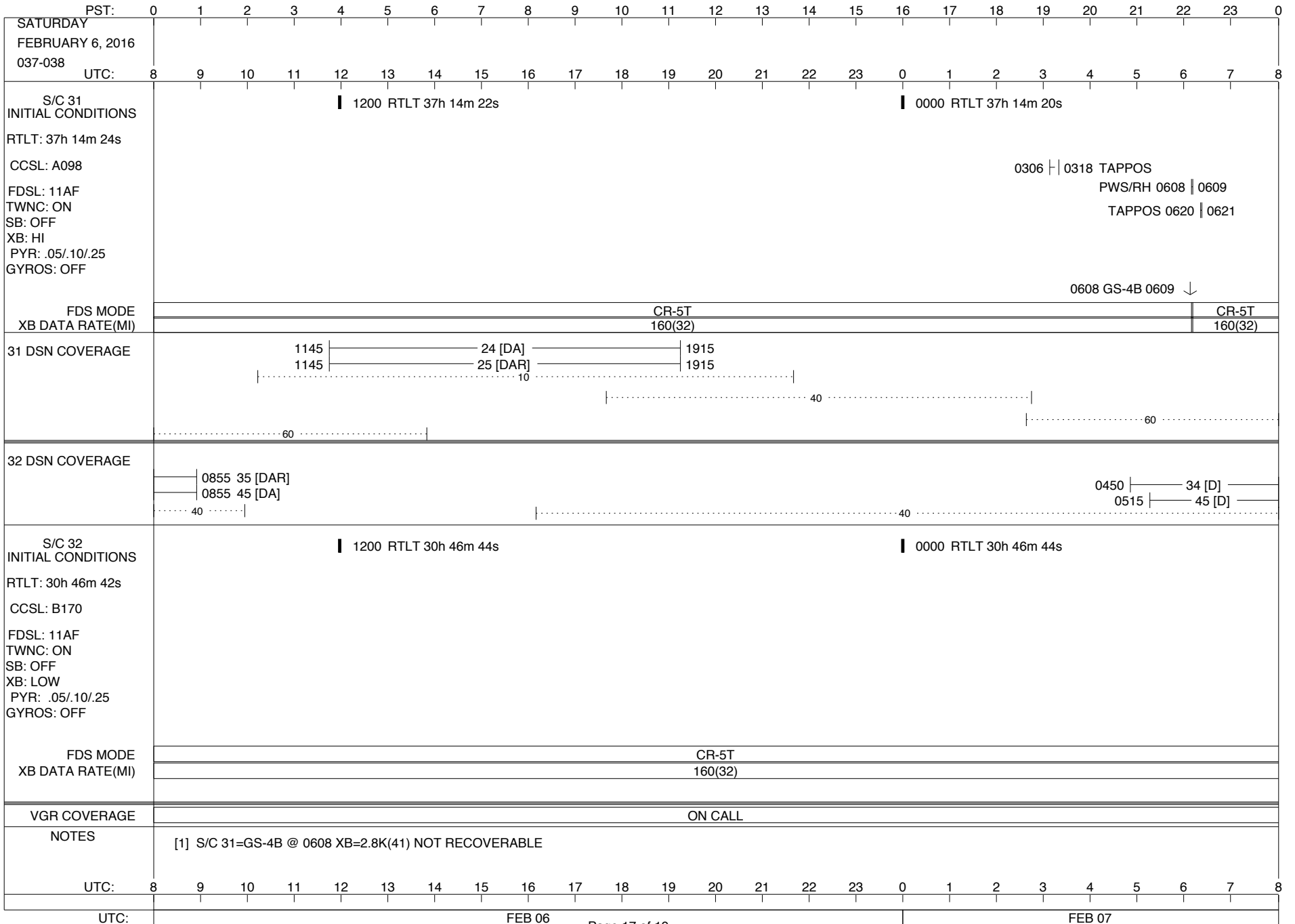
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S/C 31 INITIAL CONDITIONS	1200 RTLT 37h 14m 28s														0000 RTLT 37h 14m 26s													
RTLTL: 37h 14m 28s	----- TLC (SHORT-FORM) -----														D/L - 1843													
CCSL: A098															0006 - 0032 TAPPOS													
FDSL: 11AF															0309 0309 PWS/RH													
TWNC: ON															0320 0332 TAPPOS													
SB: OFF															0529 - - - MAGROL - - -													
XB: HI	- 0825 LECP OBS														↓ 0539 AAI													
PYR: .05/.10/.25	↓ 0837 RAI																											
GYROS: BC ON	↓ 0853 GYRO FAULT TEST																											
															↓ 0308 GS-4B 0309													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	1320 ----- 25 [DAR] ----- 1925														1320 ----- 26 [DA] ----- 1925													
	----- 10 -----														----- 40 -----													
	0845 63 [D]														0500 ----- 63 [DA] -----													
	----- 60 -----														0500 ----- 65 [DAR] -----													
															0505 ----- 55 [DA] -----													
															----- 60 -----													
32 DSN COVERAGE	0905 35 [DAR]														0530 ----- 43 [D] -----													
	34 [D] 0905														----- 40 -----													
	----- 40 -----														----- 40 -----													
S/C 32 INITIAL CONDITIONS	1200 RTLT 30h 46m 38s														0000 RTLT 30h 46m 40s													
RTLTL: 30h 46m 36s																												
CCSL: B170																												
FDSL: 11AF																												
TWNC: ON																												
SB: OFF																												
XB: LOW																												
PYR: .05/.10/.25																												
GYROS: OFF																												
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 @ 0308 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=D/L AGC VARIATIONS EXPECTED DURING MAGROL (0529-1138)																											
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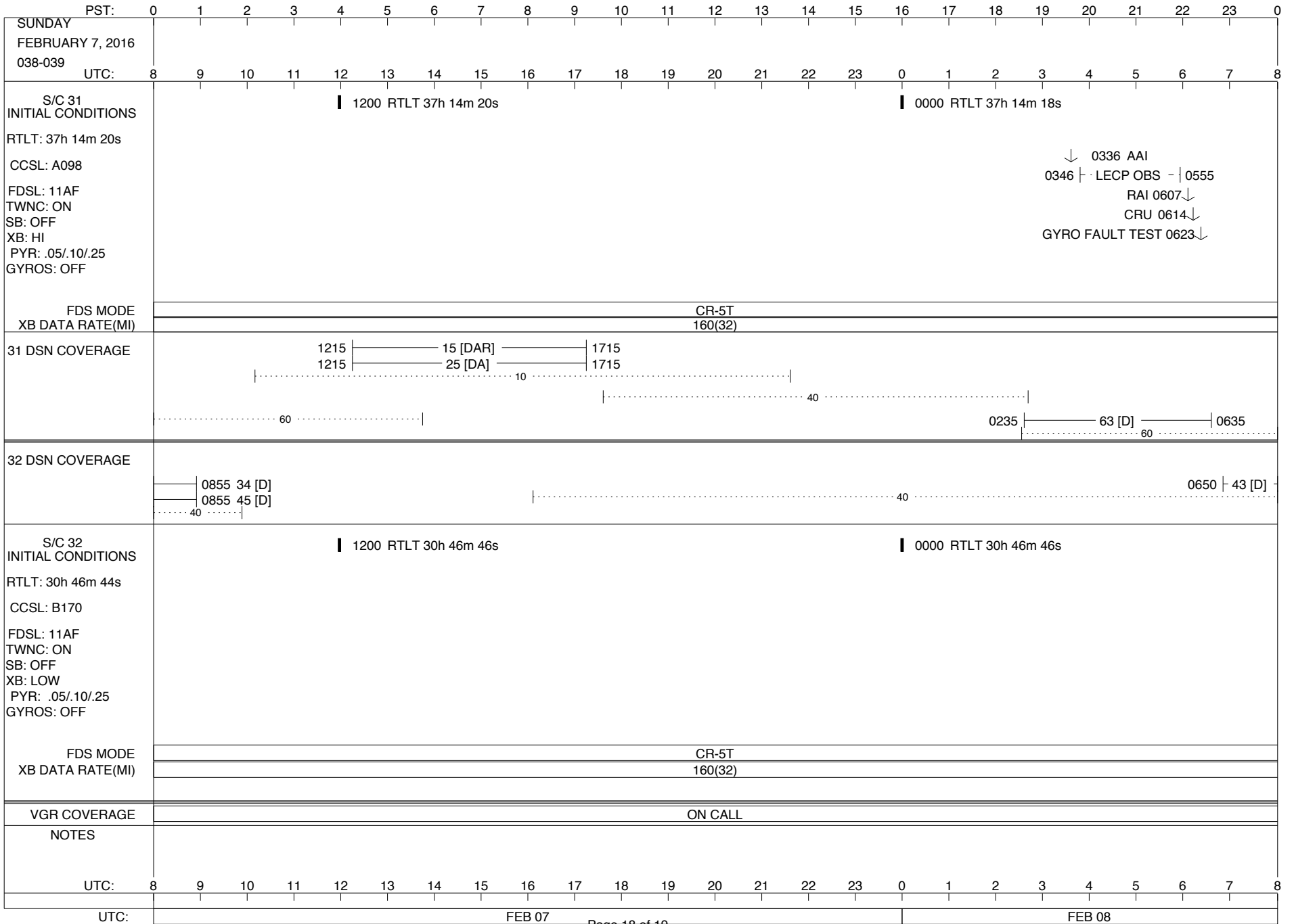
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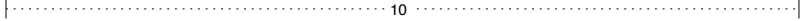

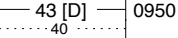
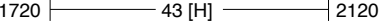

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ISSUE DATE: 01/20/16 07:41



ISSUE DATE: 01/20/16 07:41

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 14m 18s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	<div style="text-align: center;">  1200 RTLT 37h 14m 16s </div>																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	<div style="text-align: center;">  </div>																								
	<div style="text-align: center;">  </div>																								
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  <p>43 [D] 0950</p> </div> <div style="text-align: center;">  <p>1720 43 [H] 2120</p> </div> </div>																								
S/C 32 INITIAL CONDITIONS RTLT: 30h 46m 46s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	<div style="text-align: center;">  1200 RTLT 30h 46m 48s </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:	FEB 08												FEB 09												