

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: February 3, 2016

For the Period: 02/04/16 to 02/22/16 (16-035 – 16-053)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

*Zsarina.Bulchand@jpl.nasa.gov
 *gdyke@airmail.ftops.jpl.nasa.gov
 *John.M.Grant@jpl.nasa.gov
 *dmcclena@airmail.ftops.jpl.nasa.gov
 *pquach@airmail.ftops.jpl.nasa.gov
 *mrobles@airmail.ftops.jpl.nasa.gov
 *rwilliam@airmail.ftops.jpl.nasa.gov

OTHER

* KMassej@jgld.gdscc.nasa.gov
 * Belinda.Arroyo@jpl.nasa.gov
 *DL-DSSN-MPSETA@dsn.nasa.gov

SCIENCE

CRS *bryant@mail630.gsfc.nasa.gov
 LECP *r.decker@jhuapl.edu
 UVS *holburg@argus.lpl.arizona.edu
 MAG *u2mha@lepvox.gsfc.nasa.gov
 PLS *vgr@space.mit.edu
 PWS *wsk@space.physics.uiowa.edu
 *Leonard.F.Burlaga@nasa.gov
 *Donald-Gurnett@uiowa.edu

FLIGHT TEAM (14) 600-100

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

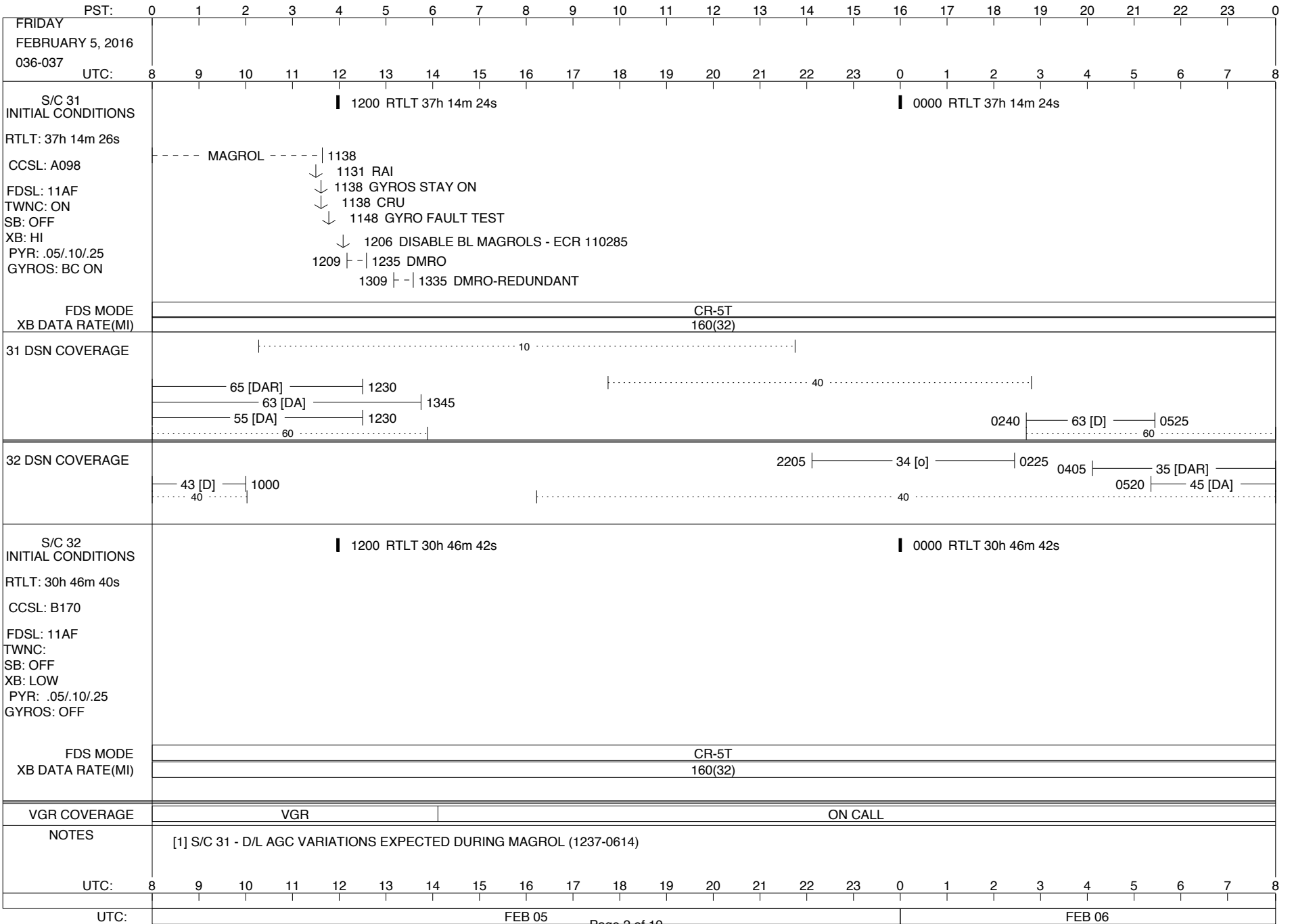
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U =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

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

ISSUE DATE: 02/08/16 09:59

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	1200 RTLT 37h 14m 28s														0000 RTLT 37h 14m 26s													
RTLT: 37h 14m 28s	----- TLC (SHORT-FORM) -----														D/L - 1843													
CCSL: A098															↓ 0539 AAI 0542 - MAGROL - -													
FDSL: 11AF	- 0825 LECP OBS														0006 - 0032 TAPPOS													
TWNC: ON	↓ 0837 RAI														0308 0309 PWS/RH													
SB: OFF	↓ 0853 GYRO FAULT TEST														0320 0332 TAPPOS													
XB: HI															↓ 0308 GS-4B 0309													
PYR: .05/.10/.25																												
GYROS: BC ON																												
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 ----- ----- 40 ----- ----- 40 ----- ----- 40 ----- 0500 ----- 65 [DAR] ----- 0500 ----- 63 [DA] ----- 0505 ----- 55 [DA] -----													
	0845 63 [D] ----- 60 -----														----- 60 -----													
32 DSN COVERAGE	----- 40 ----- 0905 35 [DAR] ----- 40 ----- 0905 34 [DA]														----- 40 ----- 0530 ----- 43 [D] -----													
S/C 32 INITIAL CONDITIONS	1200 RTLT 30h 46m 38s														0000 RTLT 30h 46m 40s													
RTLT: 30h 46m 36s																												
CCSL: B170																												
FDSL: 11AF																												
TWNC:																												
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	ONVGRLL														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 (0542-1138)																											
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UTC:	FEB 04														FEB 05													

ISSUE DATE: 02/08/16 09:59



ISSUE DATE: 02/08/16 09:59

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S/C 31 INITIAL CONDITIONS RTLTL: 37h 14m 24s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLTL 37h 14m 22s												0000 RTLTL 37h 14m 20s												
													0306 0318 TAPPOS PWS/RH 0608 0609 TAPPOS 0620 0621												
													0608 GS-4B 0609 ↓												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1145 ----- 24 [DA] ----- 1915 1145 ----- 25 [DAR] ----- 1915 ----- 10 ----- ----- 40 ----- ----- 60 -----																								
32 DSN COVERAGE	0855 35 [DAR] 0855 45 [DAR] ----- 40 -----												0450 ----- 34 [DA] ----- 0515 ----- 45 [DAR] ----- ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 46m 42s CCSL: B170 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 30h 46m 44s												0000 RTLTL 30h 46m 44s												
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 @ 0608 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:	FEB 06												FEB 07												

ISSUE DATE: 02/08/16 09:59

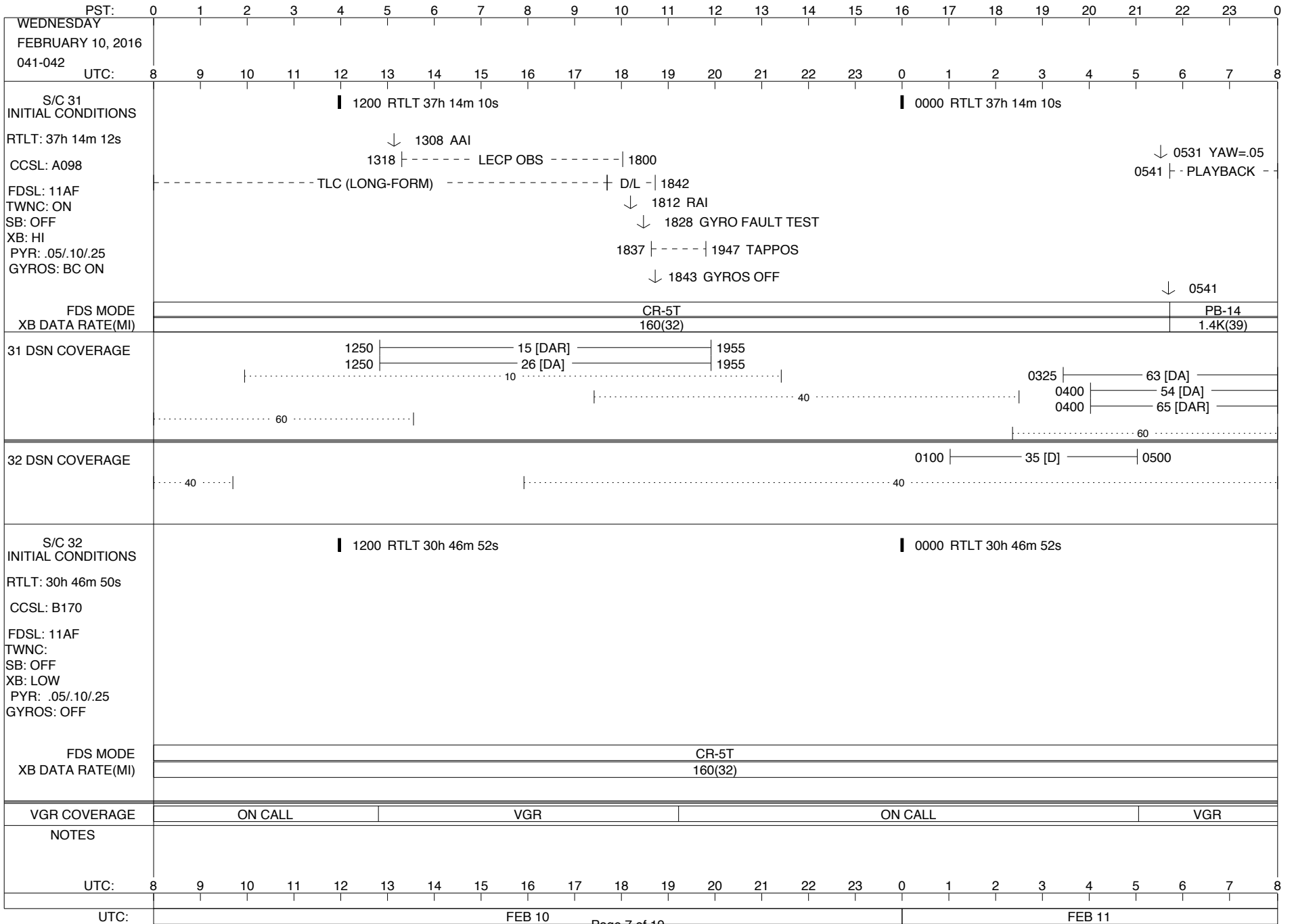
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SUNDAY FEBRUARY 7, 2016 038-039	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 37h 14m 20s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 37h 14m 20s												0000 RTLT 37h 14m 18s												
													RE-ENABLE BL MAGROLS - ECR 110285 0306↓ DMRO 0309 - 0335 DMRO - REDUNDANT 0325 - 0351 ↓ 0336 AAI 0346 · LECP OBS - 0555 RAI 0607↓ CRU 0614↓ GYRO FAULT TEST 0623↓												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1215 15 [DAR] 1715 1215 25 [DA] 1715 10 40												
 60												0235 63 [D] 0635 60												
32 DSN COVERAGE	0855 34 [DA] 0855 45 [DAR] 40 40												
													0650 43 [D]												
S/C 32 INITIAL CONDITIONS RTLT: 30h 46m 44s CCSL: B170 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 46m 46s												0000 RTLT 30h 46m 46s												
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 07												FEB 08												

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<p>MONDAY FEBRUARY 8, 2016 039-040</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																							
<p>S/C 31 INITIAL CONDITIONS RTLTL: 37h 14m 18s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON</p>		<p>1200 RTLTL 37h 14m 16s</p>												<p>0000 RTLTL 37h 14m 16s</p>											
		<p>↓ 0244 AAI 0254 - - - LECP OBS - - - 0553 U/L 0400 - - - TLC (LONG-FORM) - - DUMMY (19:14) 0600 ▼ RAI 0605 ↓ GYRO FAULT TEST 0621 ↓</p>																							
<p>FDS MODE XB DATA RATE(MI)</p>		<p>CR-5T 160(32)</p>																							
<p>31 DSN COVERAGE</p>		<p> 10 40 60 0230 63 [T] 0630 60 </p>																							
<p>32 DSN COVERAGE</p>		<p>0355 35 [D] 0510 43 [D] 0950 40 1720 43 [H1] 2120 40 0510 43 [D] </p>																							
<p>S/C 32 INITIAL CONDITIONS RTLTL: 30h 46m 46s CCSL: B170 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF</p>		<p>1200 RTLTL 30h 46m 48s</p>												<p>0000 RTLTL 30h 46m 48s</p>											
		<p>▼ 1857 EL-40 (01:44) ▼ 1919 CCSL B171 (02:06) ▼ 1934 ECR 114132 PART 1 OF 3 (02:21) ▼ 1953 TLMPRG (02:39) ▼ 2021 CCSA MRO (03:07) ▼ 2031 CCSB MRO (03:17) ▼ 2048 CCSA MRO - REDUNDANT (03:35) ▼ 2058 CCSB MRO - REDUNDANT CR-5T (03:45)</p>																							
<p>FDS MODE XB DATA RATE(MI)</p>		<p>CR-5T 160(32)</p>																							
<p>VGR COVERAGE</p>		ON CALL						VGR						ON CALL						VGR					
<p>NOTES</p>		<p>[1] DSS-43 HP TXR ON >= 17:19</p>																							
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<p>UTC:</p>		FEB 08												FEB 09											

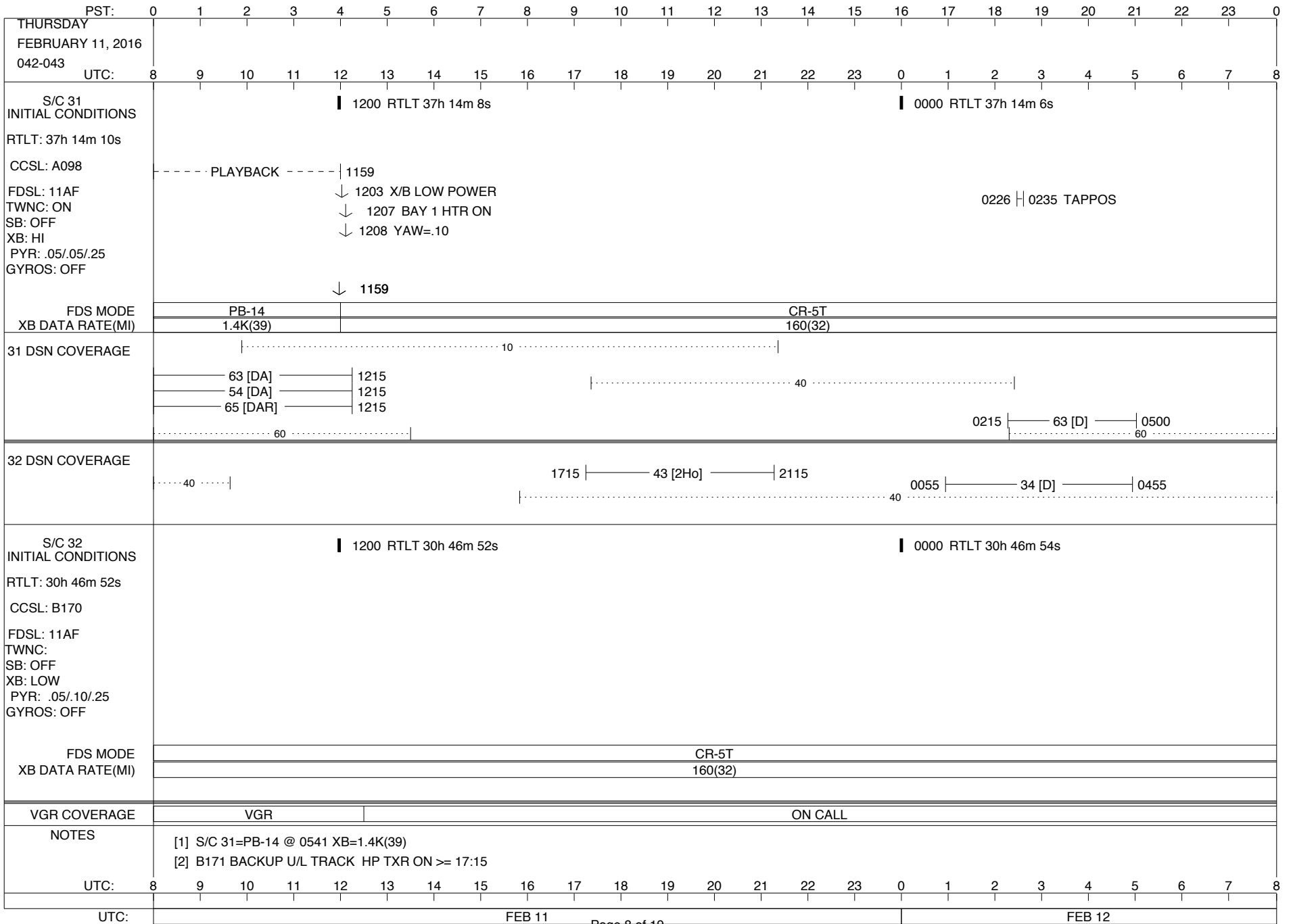
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TUESDAY FEBRUARY 9, 2016 040-041																									
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 14m 16s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLTL 37h 14m 14s												0000 RTLTL 37h 14m 12s												
----- TLC (LONG-FORM) -----																									
2031 2032 PWS/RH																									
↓ 2031 GS-4B 2032																									
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	<p>Timeline for S/C 31 DSN COVERAGE:</p> <ul style="list-style-type: none"> 1130 - 1330: 24 [DA] (CR-5T) 1130 - 1330: 25 [DAR] (CR-5T) 10:00 - 10:10: Coverage period 18:00 - 18:40: Coverage period 23:00 - 23:00: Coverage period 																								
32 DSN COVERAGE	<p>Timeline for S/C 32 DSN COVERAGE:</p> <ul style="list-style-type: none"> 09:45 - 09:45: 43 [D] (CR-5T) 22:05 - 22:05: Coverage period 03:00 - 03:00: 35 [D] (CR-5T) 04:55 - 04:55: Coverage period 																								
S/C 32 INITIAL CONDITIONS RTLTL: 30h 46m 48s CCSL: B170 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 30h 46m 50s												0000 RTLTL 30h 46m 50s												
2211 PLSCAL - 2354 2211 --- MAGCAL --- 0114 2211 --- PESCAL --- 0131 B171 CHKSUM 0211 0216 ECR 114132 PART 1 0222 TLMPRG 0240 * 0300 CCSA MRO 0309 * 0312 CCSB MRO 0319 * 0323 CCSA MRO - REDUNDANT 0337 * 0340 CCSB MRO - REDUNDANT 0347 * 0351 EL-40 0145 * 0352 CR-5T																									
FDS MODE	CR-5T												EL-40						CR-5T						
XB DATA RATE(MI)	160(32)												40(30)						160(32)						
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	[1] S/C 31=GS-4B @ 2031 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32=EL-40 @ 0145 XB=40(30) [3] S/C 32=CR-5T @ 0352 XB=160(32)																								
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 09												FEB 10												

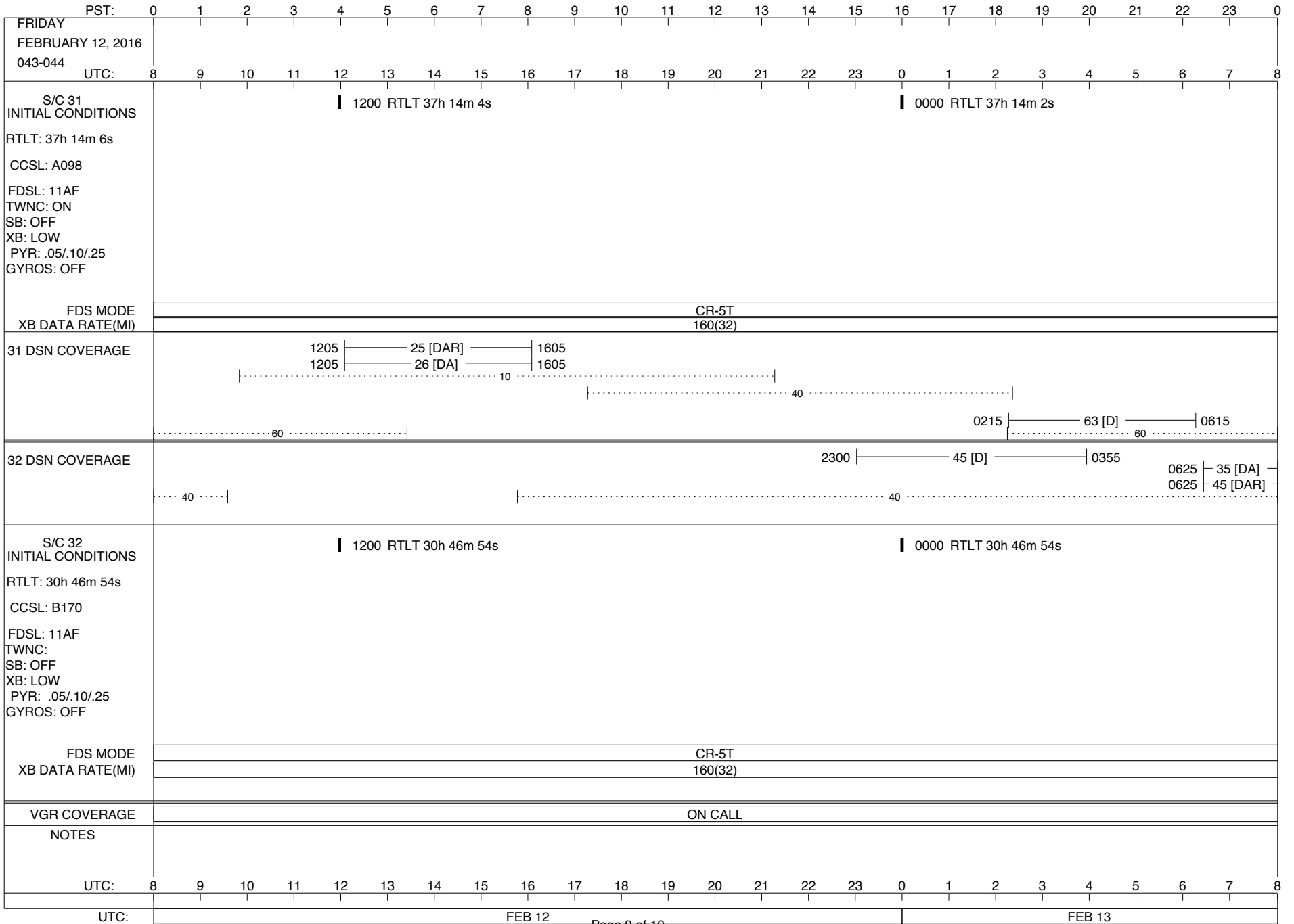
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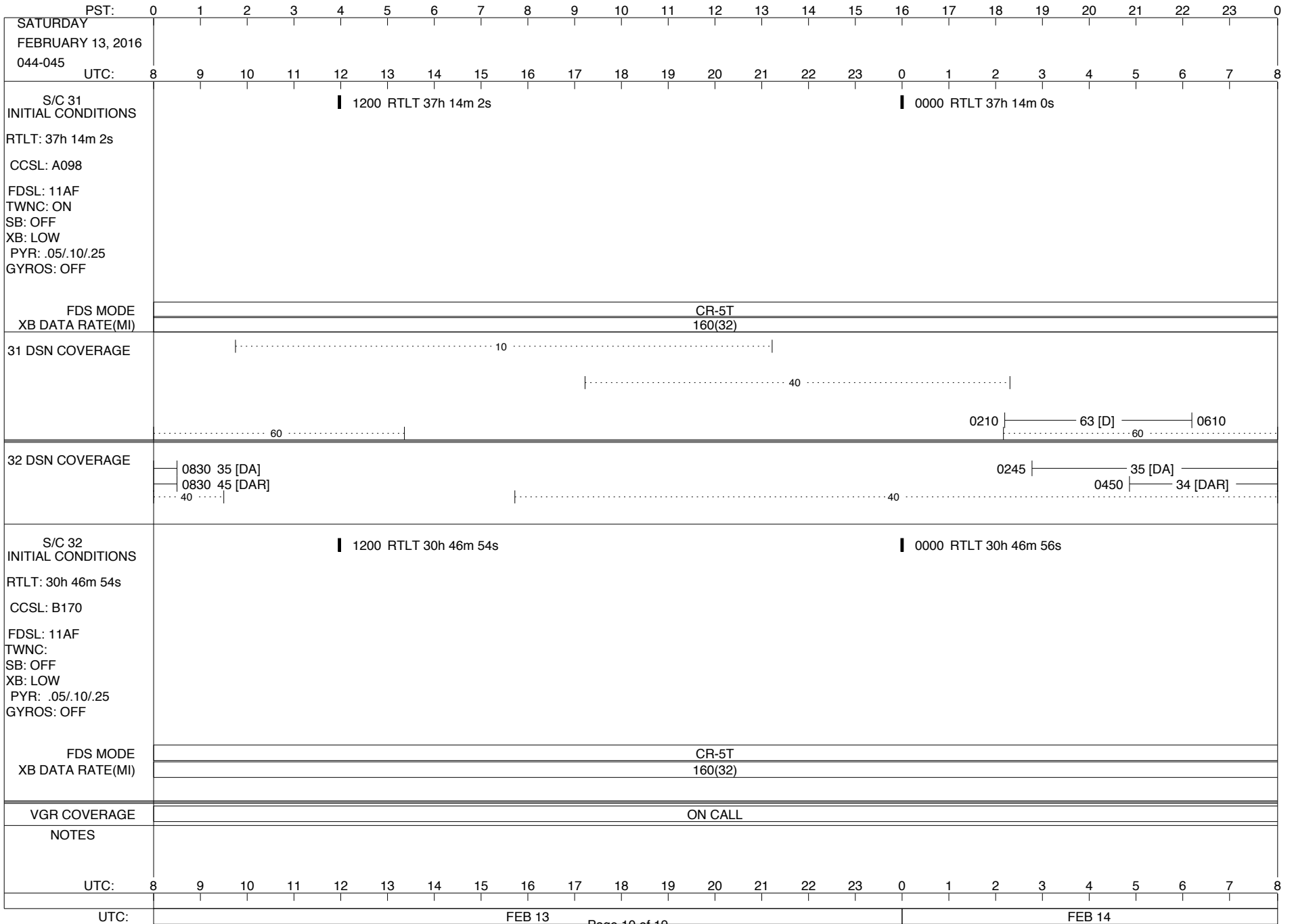
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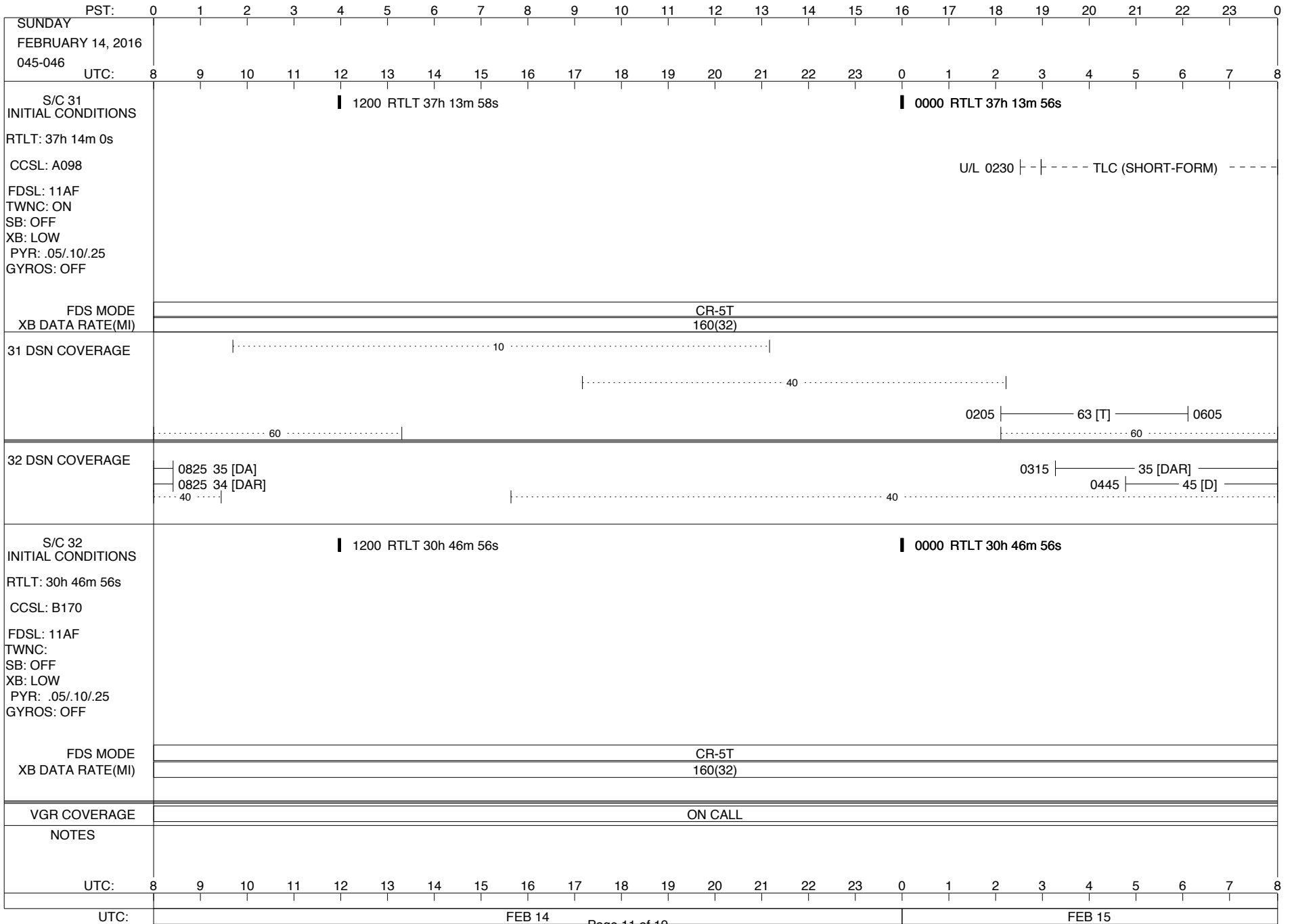
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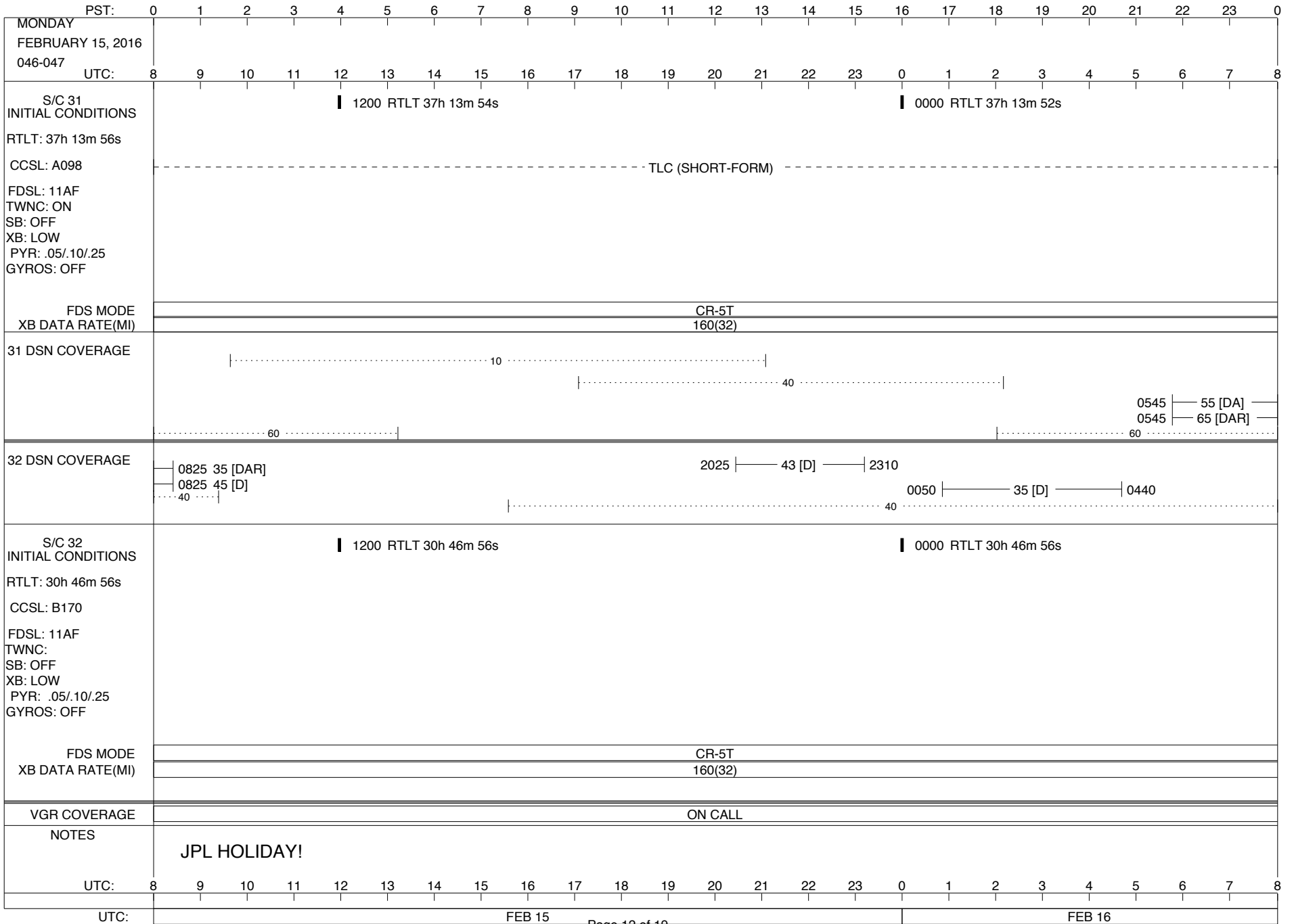
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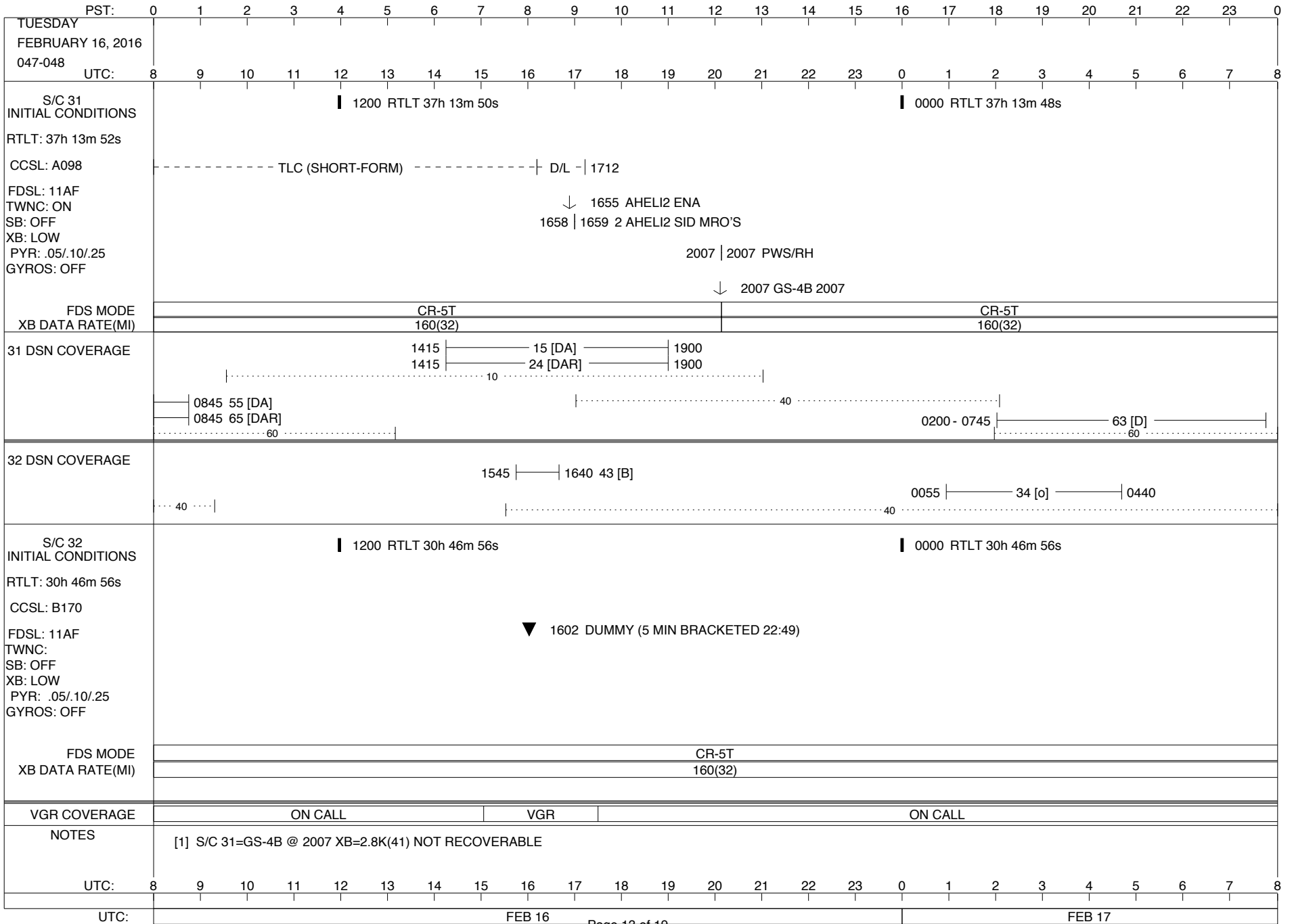
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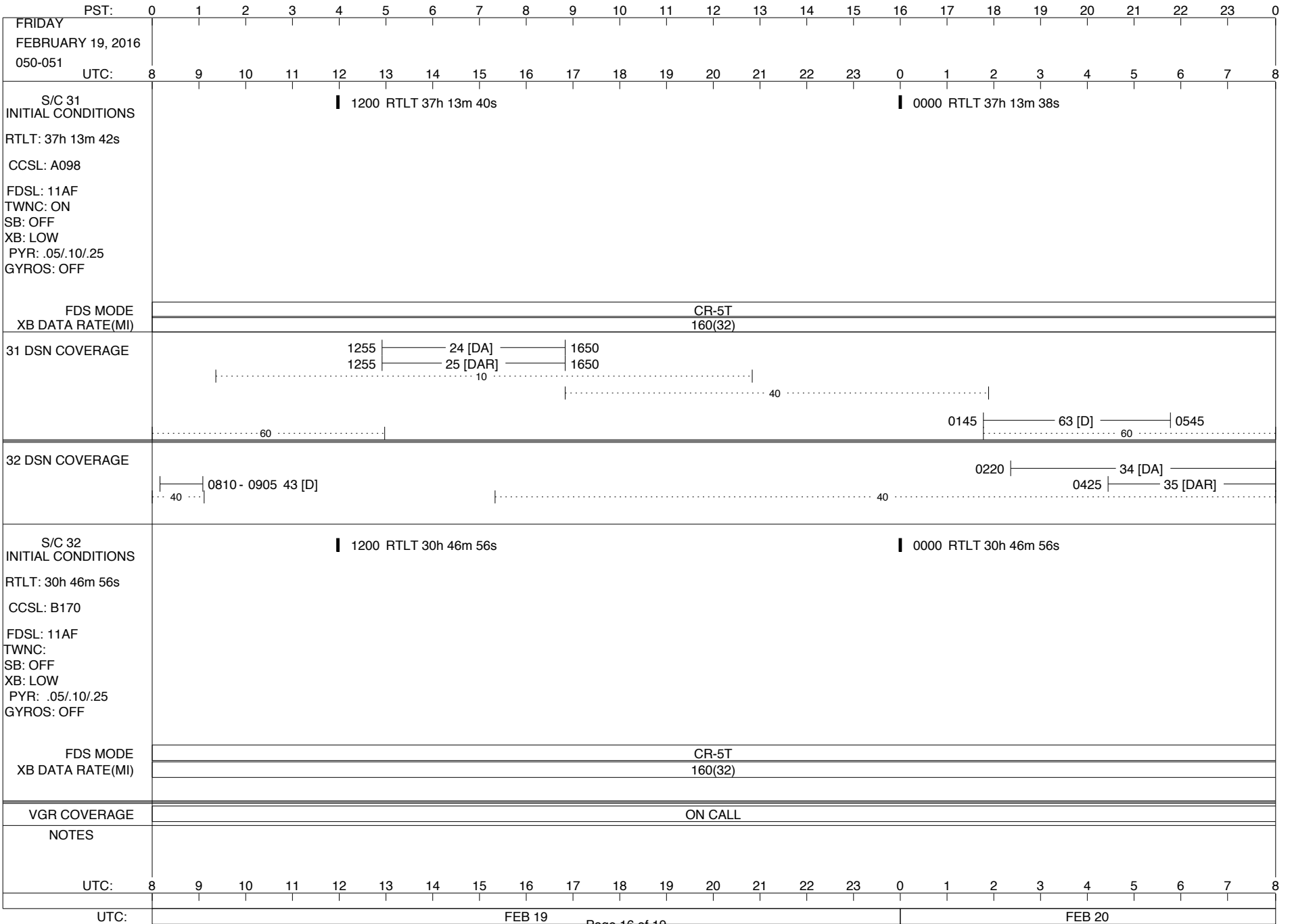
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WEDNESDAY FEBRUARY 17, 2016 048-049																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 37h 13m 48s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 37h 13m 46s												█ 0000 RTLT 37h 13m 44s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 30h 46m 56s CCSL: B170 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 30h 46m 56s												█ 0000 RTLT 30h 46m 56s												
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 17												FEB 18												

ISSUE DATE: 02/08/16 09:59

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
THURSDAY FEBRUARY 18, 2016 049-050																									
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 13m 44s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 37h 13m 42s												█ 0000 RTLTL 37h 13m 42s												
													2318 TAPPOS 0039												
													0220 0221 PWS/RH												
													0231 - - - - 0339 TAPPOS												
													↓ 0220 GS-4B 0221												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1340 ----- 24 [DA] ----- 1630 1340 ----- 25 [DAR] ----- 1630 ----- 10 ----- ----- 40 -----												0150 ----- 63 [D] ----- 0550 ----- 60 -----												
32 DSN COVERAGE	43 [D] ----- 0910 ----- 40 -----												0005 ----- 45 [D] ----- 0405 ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 46m 56s CCSL: B170 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 30h 46m 56s												█ 0000 RTLTL 30h 46m 56s												
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 @ 0220 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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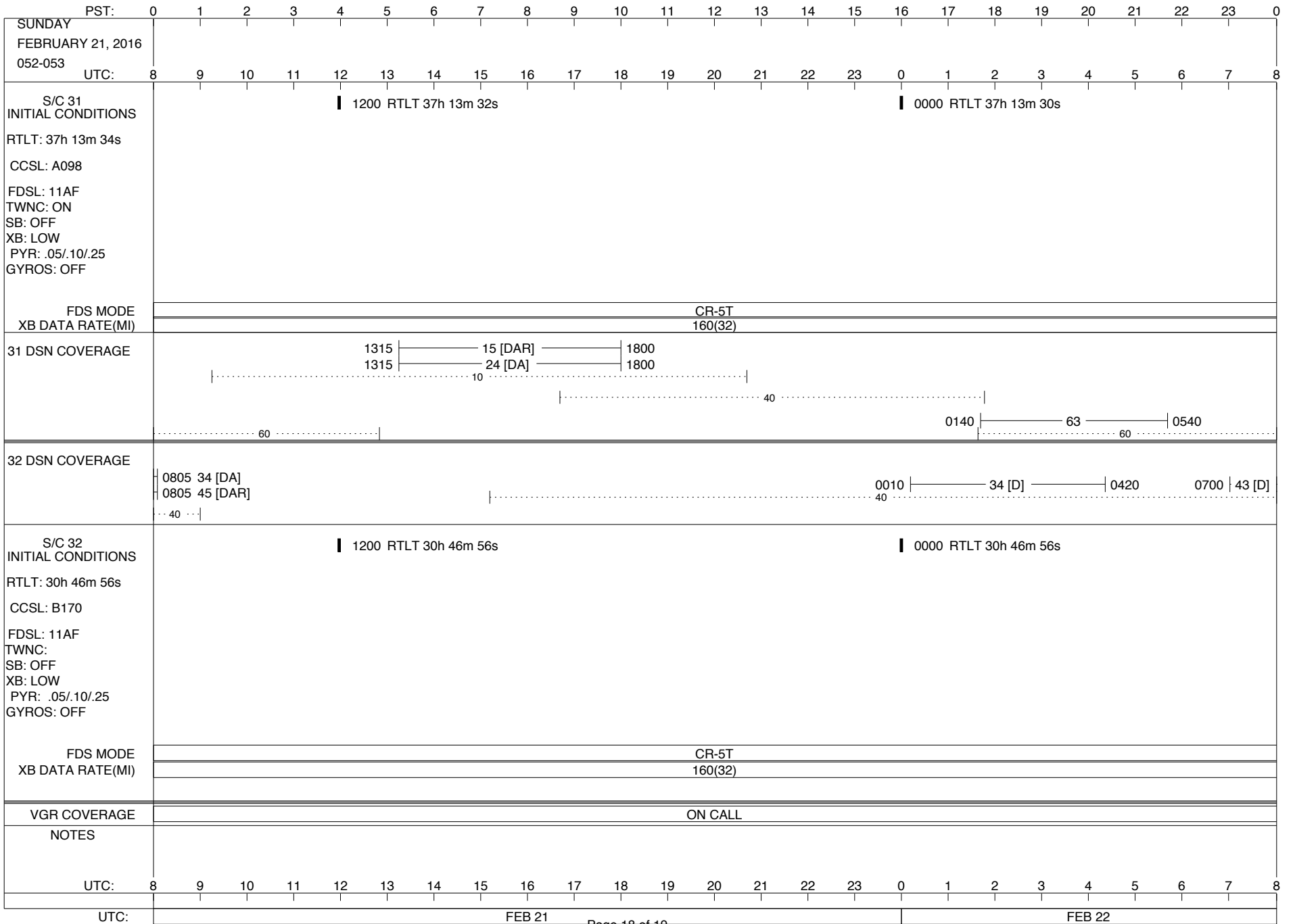
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ISSUE DATE: 02/08/16 09:59

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SATURDAY FEBRUARY 20, 2016 051-052																													
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 13m 38s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLTL 37h 13m 36s														0000 RTLTL 37h 13m 34s													
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 46m 56s CCSL: B170 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLTL 30h 46m 56s														0000 RTLTL 30h 46m 56s													
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 @ 0519 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:		FEB 20														FEB 21													

ISSUE DATE: 02/08/16 09:59



ISSUE DATE: 02/08/16 09:59

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
MONDAY FEBRUARY 22, 2016 053-054																									
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FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	<div style="text-align: center;"> </div>																								
32 DSN COVERAGE	<div style="text-align: center;"> </div>																								
S/C 32 INITIAL CONDITIONS RTLT: 30h 46m 56s CCSL: B170 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> 1200 RTLT 30h 46m 54s </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 22												FEB 23												