

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: February 2, 2011

For the Period: 02/03/2011 to 02/21/2011 (11-034 – 11-052)

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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

ISSUE DATE: 02/08/11 16:24

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 3, 2011
034-035

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 16m 48s
CCSL: A077
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AB ON

1200 RTLT 32h 16m 46s 0000 RTLT 32h 16m 44s

TLC (SHORT-FORM) D/L 1335

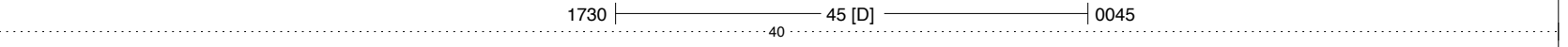
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLT: 26h 23m 46s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 26h 23m 48s 0000 RTLT 26h 23m 50s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

ON CALL

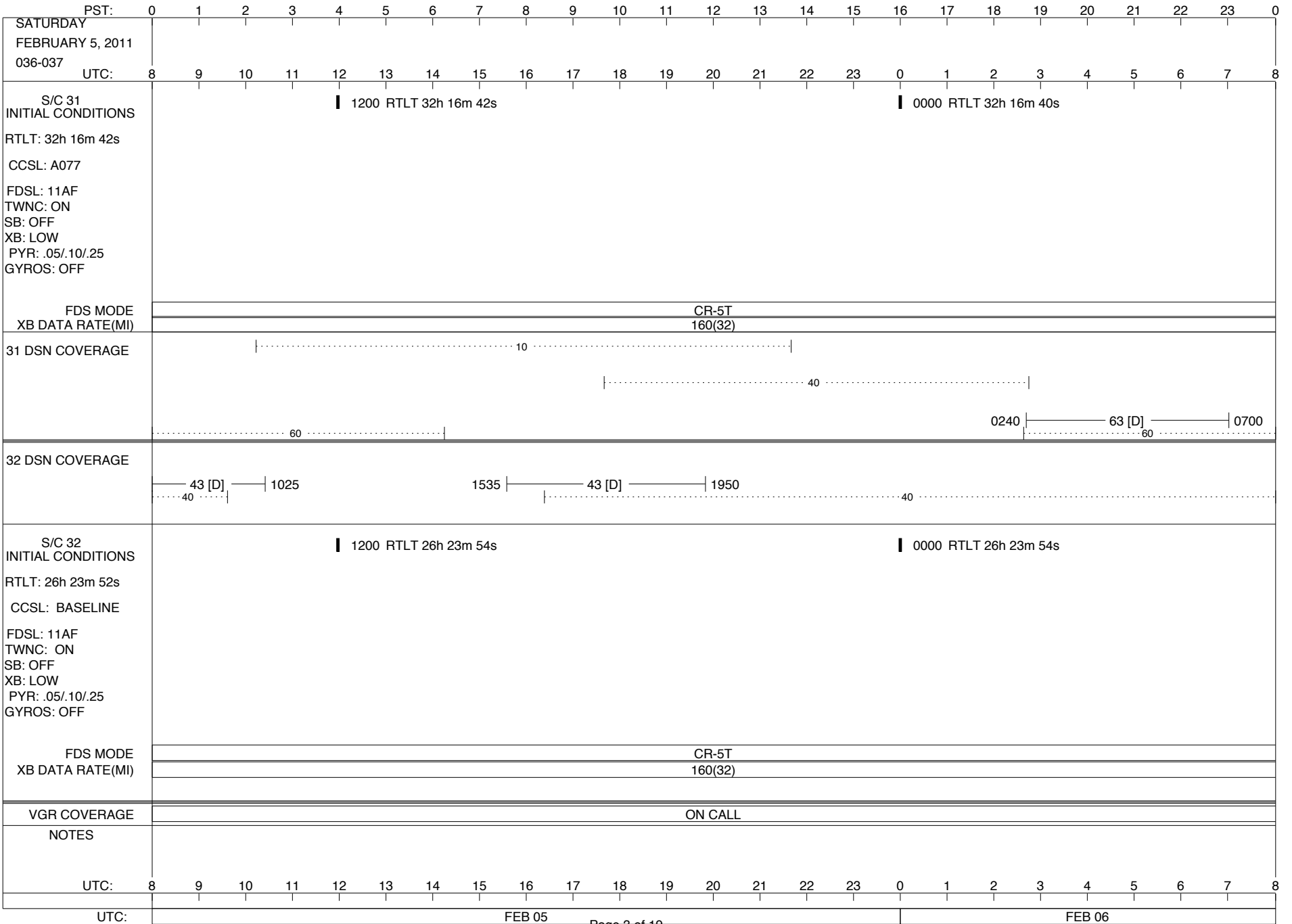
NOTES

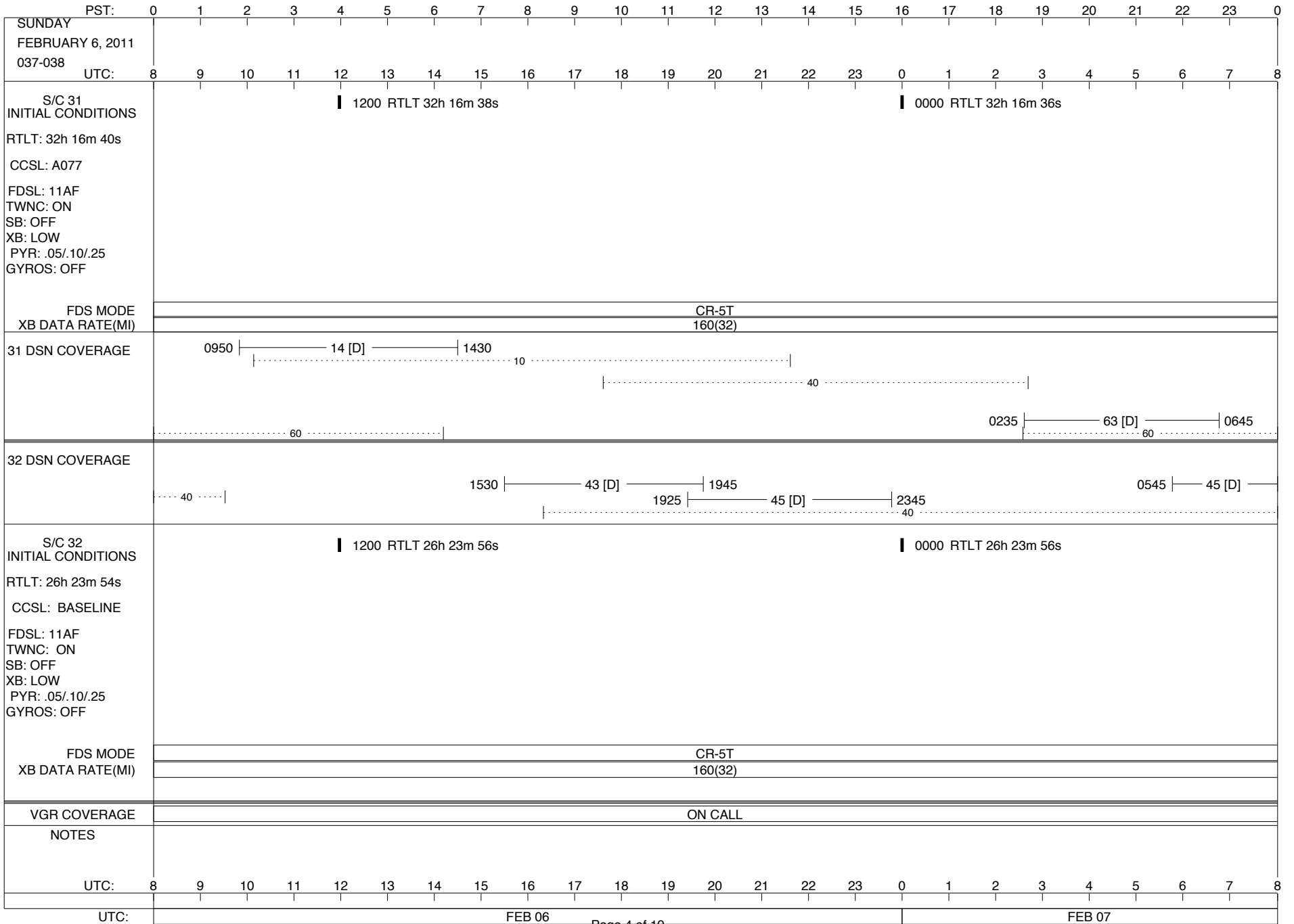
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UTC: FEB 03 FEB 04

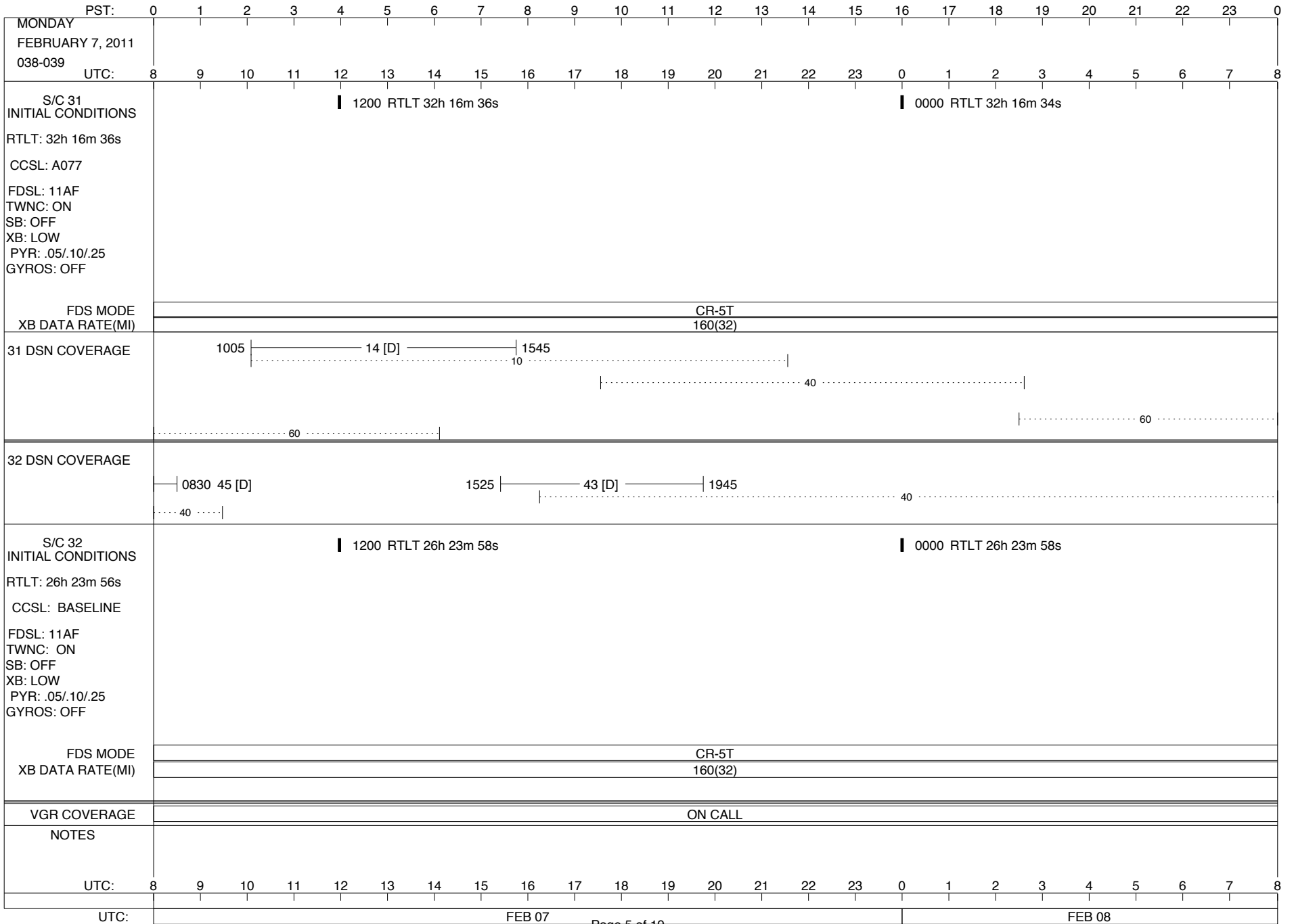
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FRIDAY FEBRUARY 4, 2011 035-036																												
S/C 31 INITIAL CONDITIONS RTLT: 32h 16m 44s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AB ON	1200 RTLT 32h 16m 44s ↓ 1251 BAY 1 HTR OFF ↓ 1255 X/B HI POWER ↓ 1307 AAI 1310 ----- MAGROL ----- 1906														0000 RTLT 32h 16m 42s 0012 0026 TAPPOS 0314 0315 PWS/RH 0522 0522 TAPPOS ↓ 1858 RAI ↓ 1906 CRU ↓ 1906 GYROS OFF ↓ 1920 X/B LOW POWER ↓ 1924 BAY 1 HTR ON ↓ 0314 GS-4B 0315													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE	<p>Timeline for S/C 31 DSN COVERAGE:</p> <ul style="list-style-type: none"> 1000 ----- 14 [D] ----- 2000 10 40 60 0240 - 0720 ----- 63 [D] ----- 60 																											
32 DSN COVERAGE	<p>Timeline for S/C 32 DSN COVERAGE:</p> <ul style="list-style-type: none"> 40 1540 ----- 43 [o] ----- 1950 40 43 [D] 0715 ----- 																											
S/C 32 INITIAL CONDITIONS RTLT: 26h 23m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 26h 23m 50s														0000 RTLT 26h 23m 52s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	ON CALL								VGR								ON CALL											
NOTES	[2] S/C 31=GS-4B @ 0314 XB=2.8K(41) NOT RECOVERABLE [1] S/C 31 D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (1310-1906)																											
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UTC:	FEB 04														FEB 05													

ISSUE DATE: 02/08/11 16:24





ISSUE DATE: 02/08/11 16:24



ISSUE DATE: 02/08/11 16:24

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S/C 31 INITIAL CONDITIONS RTLT: 32h 16m 34s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 32h 16m 32s												0000 RTLT 32h 16m 30s													
													2050 2051 PWS/RH													
													DUMMY (11:47) 0330▼ EL-40 (12:02) 0345▼ CCSL A078 (12:23) 0407▼ AHELIO SID MRO'S CR-5T (12:56) 0440▼													
													U/L 0530 - TLC (SHORT-FORM) - - - - -													
													↓ 2050 GS-4B 2051													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	1000 24 [DAR] 1445 1000 26 [DA] 1445												10 40 60 0240 63 [T] 0645 60													
32 DSN COVERAGE	40 1525 43 [D] 2040												40 0050 34 [D] 0430													
S/C 32 INITIAL CONDITIONS RTLT: 26h 23m 58s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 26h 23m 58s												0000 RTLT 26h 24m 0s													
													0106 PLSCAL - 0248 0106 --- MAGCAL --- 0408 0106 --- PESCAL --- 0426													
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 @ 2050 XB=2.8K(41) NOT RECOVERABLE																									
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UTC:	FEB 08												Page 6 of 19						FEB 09							

ISSUE DATE: 02/08/11 16:24

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
FEBRUARY 9, 2011
040-041

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 16m 30s
CCSL: A077
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLTL 32h 16m 30s

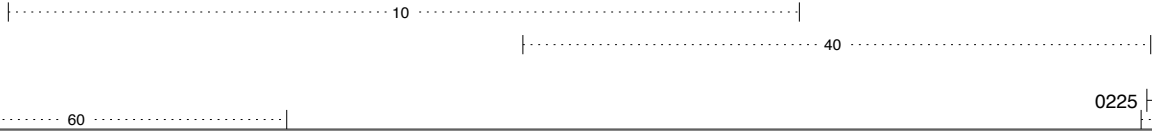
0000 RTLTL 32h 16m 28s

TLC (SHORT-FORM)

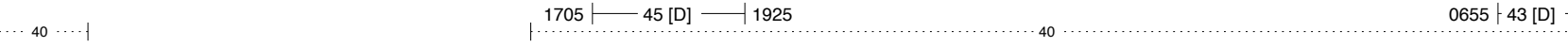
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 26h 24m 0s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLTL 26h 24m 0s

0000 RTLTL 26h 24m 0s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

ON CALL

NOTES

[1] A078 BACKUP UPLINK TRACK

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 Page 7 of 19 FEB 10

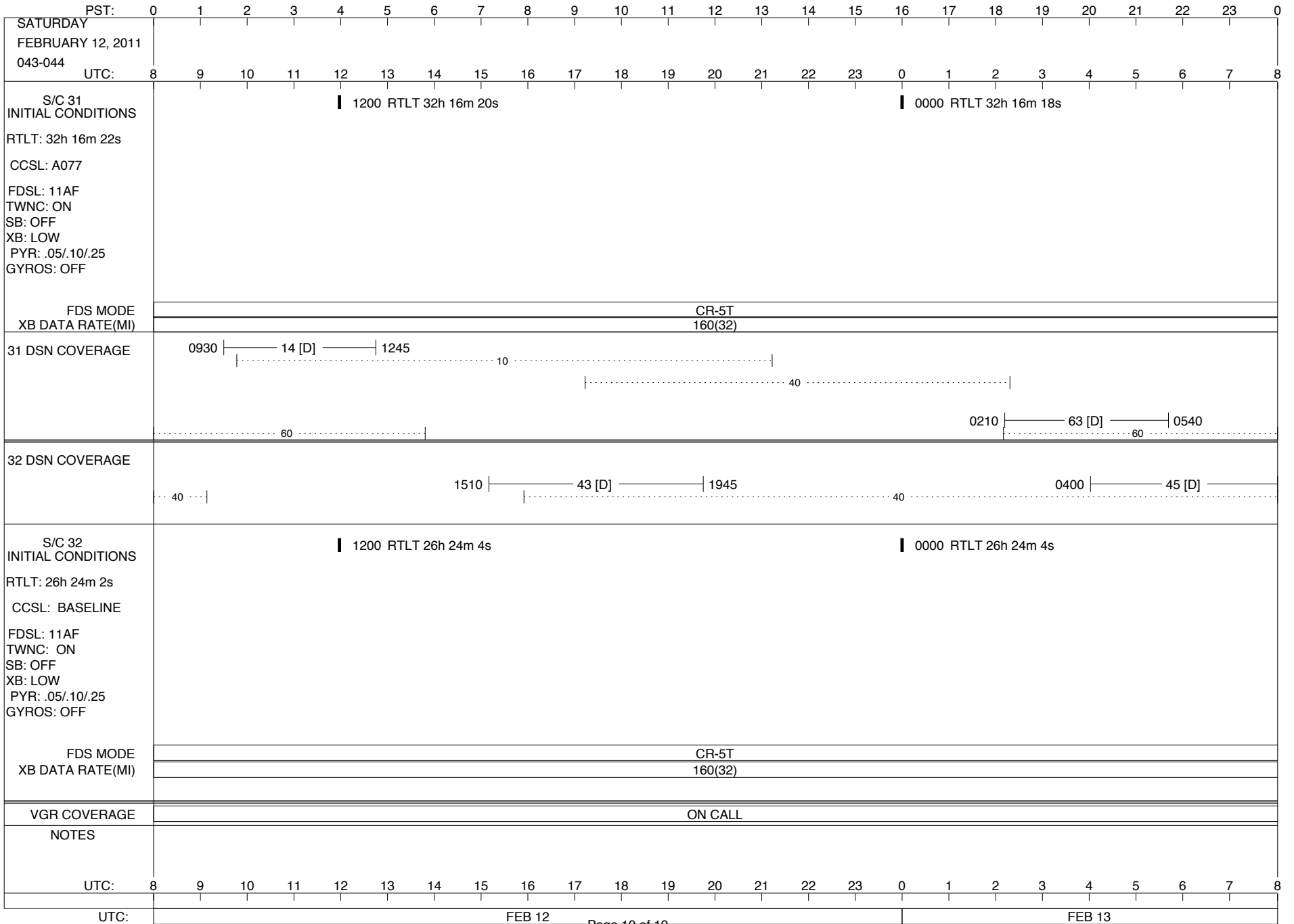
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S/C 31 INITIAL CONDITIONS RTLT: 32h 16m 28s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 16m 26s 1230 1234 A078 CHKSUM 1300 1301 2 AHELIO SID MRO'S ----- TLC (SHORT-FORM) ----- + D/L - 1515 EL-40 1202 ↓ ↓ 1302 CR-5T														0000 RTLT 32h 16m 24s																				
FDS MODE	CR-5T														CR-5T																				
XB DATA RATE(MI)	160(32)														160(32)																				
31 DSN COVERAGE	0935 ----- 14 [D] ----- 1515 ----- 10 ----- ----- 40 ----- ----- 60 ----- 0815 63 [D1] ----- 60 ----- 0220 ----- 63 [D] ----- 0545 ----- 60 -----																																		
32 DSN COVERAGE	43 [D] ----- 1005 ----- 40 ----- 1515 ----- 43 [B] ----- 1925 ----- 40 ----- 0615 ----- 43 [D] -----																																		
S/C 32 INITIAL CONDITIONS RTLT: 26h 24m 0s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 26h 24m 2s ▼ 1632 DUMMY (5 MIN BRACKETED 18:56)														0000 RTLT 26h 24m 2s																				
FDS MODE	CR-5T														CR-5T																				
XB DATA RATE(MI)	160(32)														160(32)																				
VGR COVERAGE	ON CALL							VGR							ON CALL							VGR							ON CALL						
NOTES	[1] S/C 31=EL-40 XB=40(30) @ 1202 [2] S/C 31=CR-5T XB=160(32) @ 1302																																		
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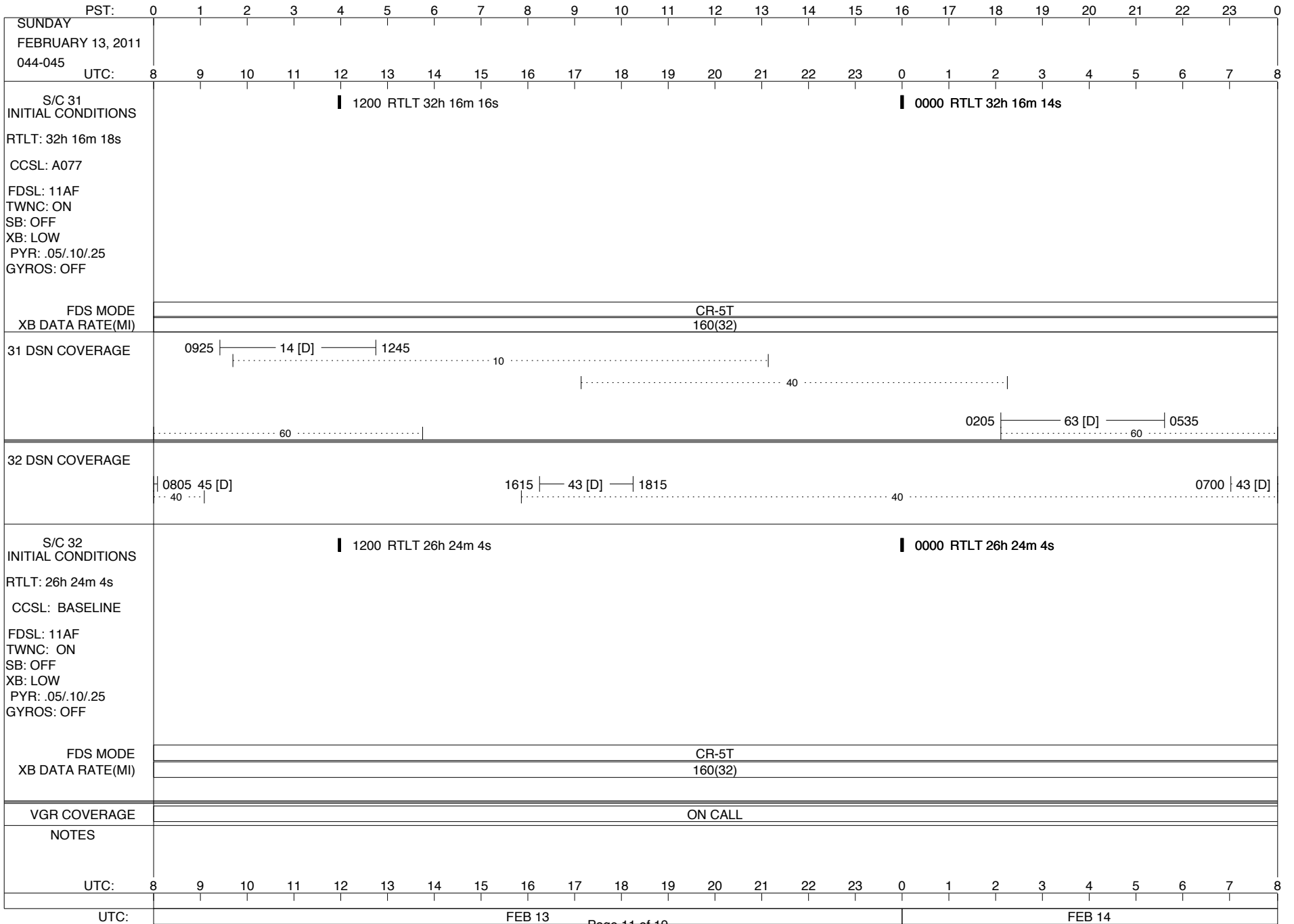
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S/C 31 INITIAL CONDITIONS RTLT: 32h 16m 24s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 16m 22s												0000 RTLT 32h 16m 22s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0930 ----- 14 [D] ----- 1415 ----- 10 ----- ----- 40 -----												0215 ----- 55 [DAR] ----- 0650 0215 ----- 65 [DA] ----- 0650 ----- 60 -----												
32 DSN COVERAGE	43 [D] ----- 1000 ----- ----- 40 -----												1525 ----- 43 [o] ----- 1920 ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 26h 24m 2s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 26h 24m 2s												0000 RTLT 26h 24m 2s												
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 @ 0250 XB=2.8K(41) NOT RECOVERABLE																								
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ISSUE DATE: 02/08/11 16:24



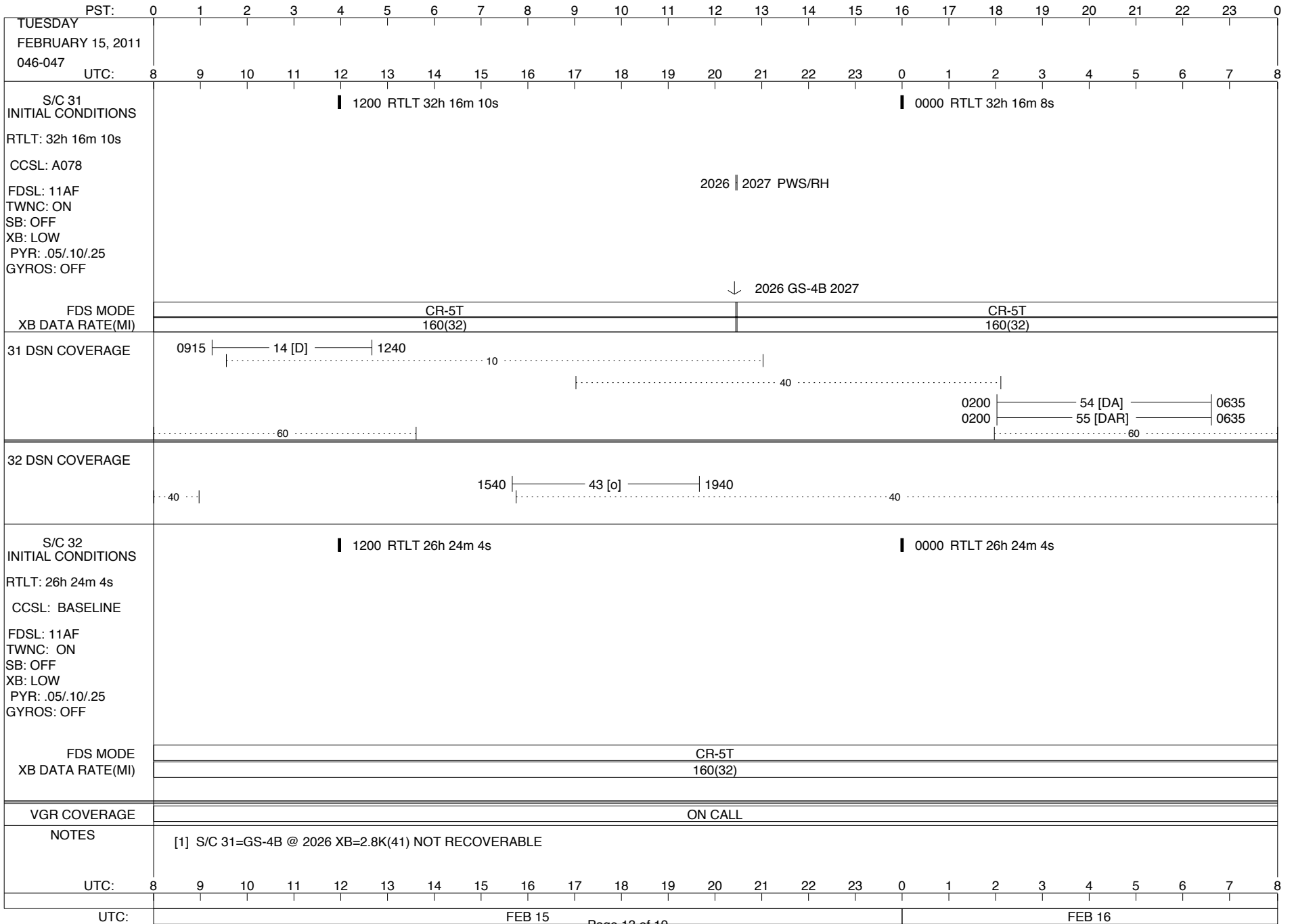
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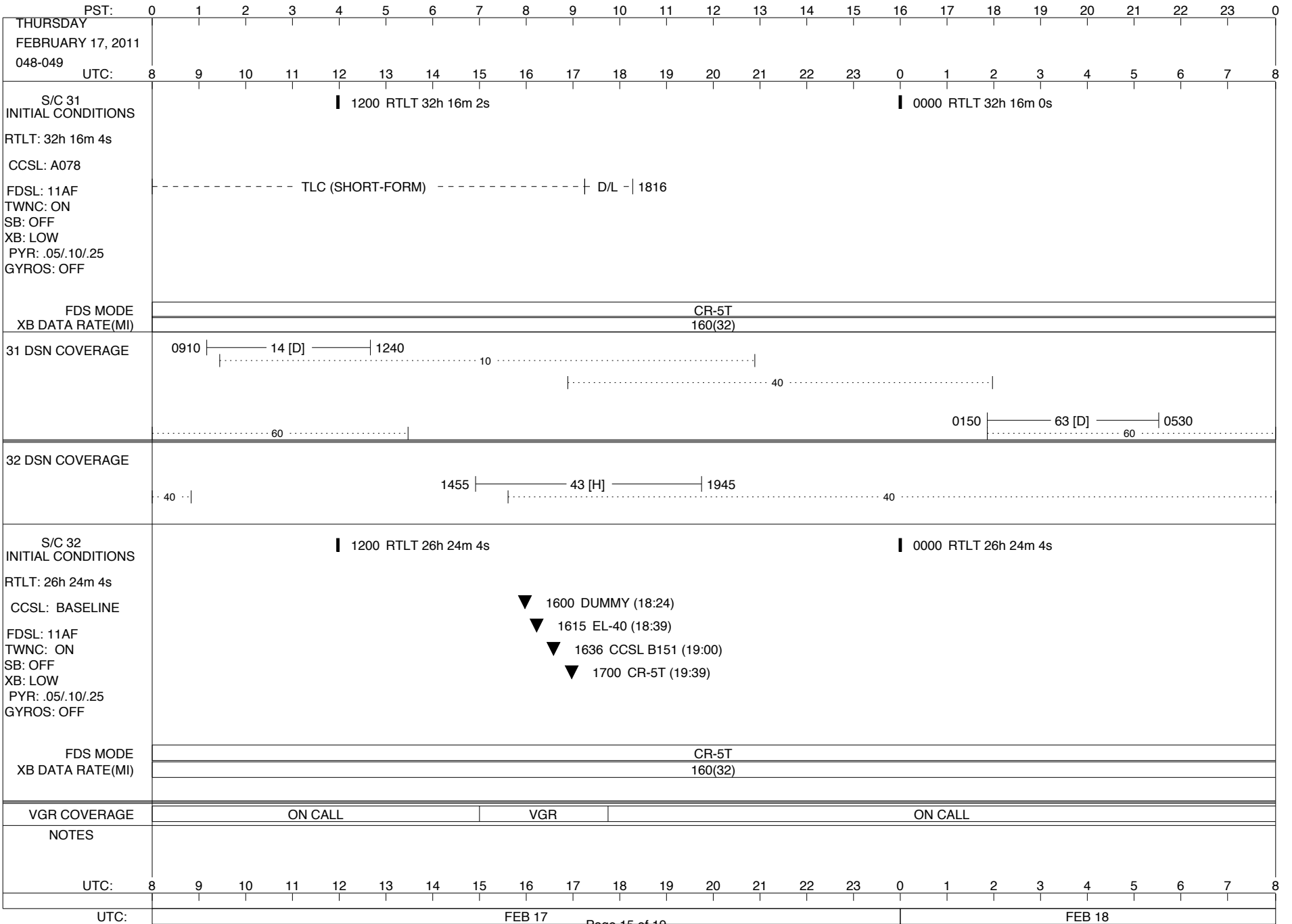
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MONDAY FEBRUARY 14, 2011 045-046	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 32h 16m 14s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 32h 16m 12s												█ 0000 RTLT 32h 16m 10s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	0940 ----- 14 [D] ----- 1245 ----- 10 ----- ----- 40 -----												0205 ----- 63 [D] ----- 0505 ----- 60 -----												
32 DSN COVERAGE	43 [D] ----- 0950 ----- 40 -----												1500 ----- 43 [D] ----- 1615 ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 26h 24m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 26h 24m 4s												█ 0000 RTLT 26h 24m 4s												
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
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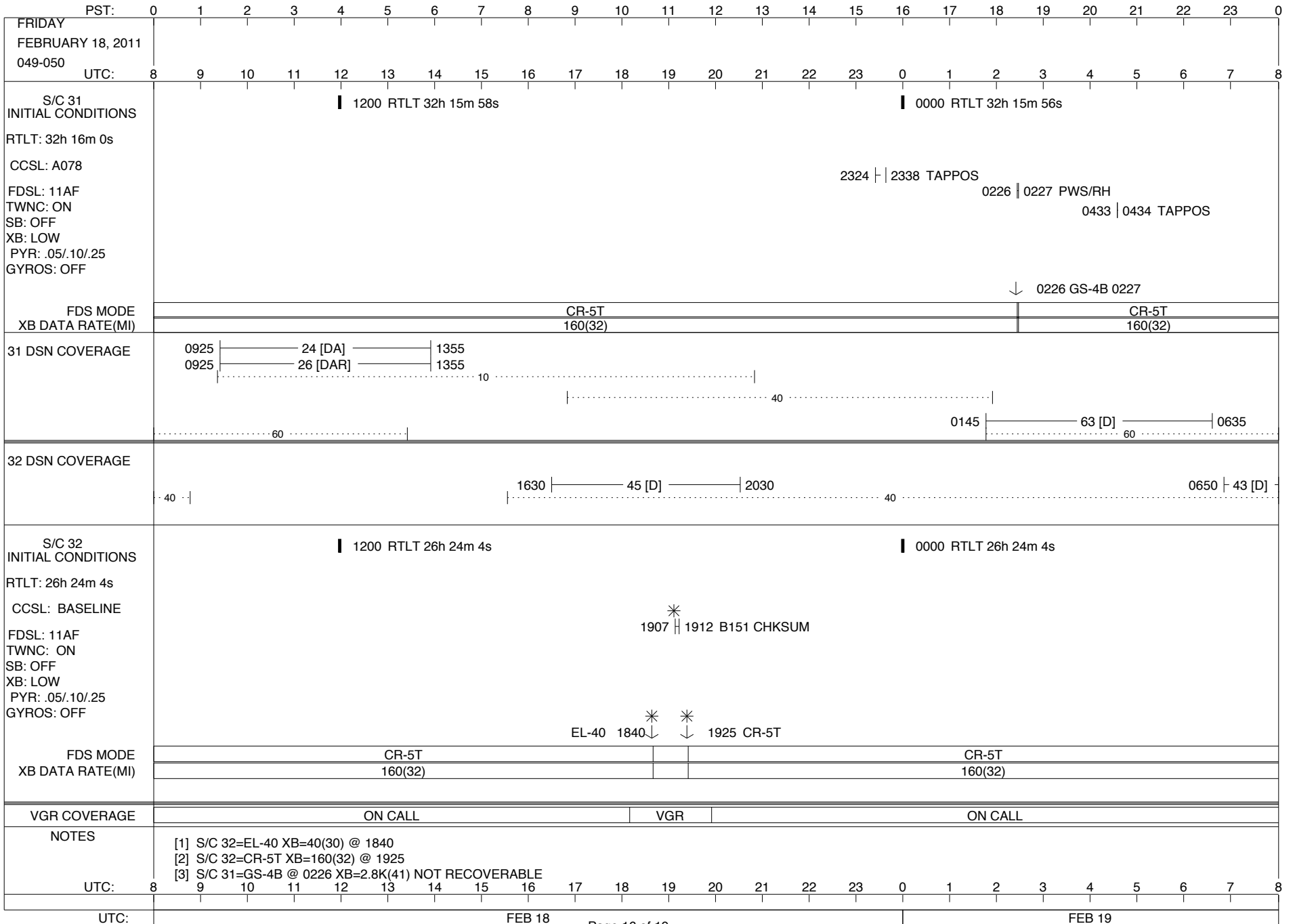
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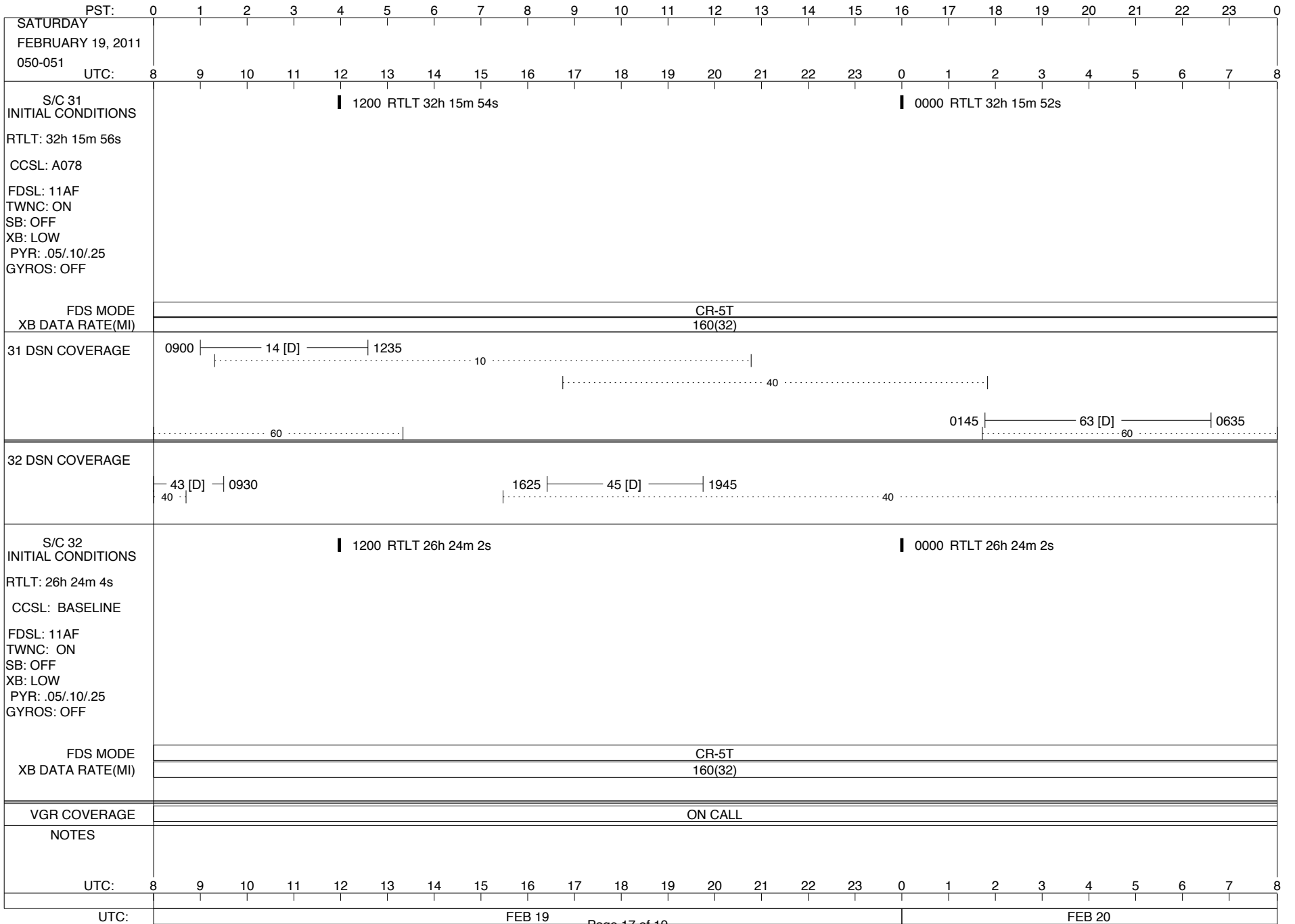
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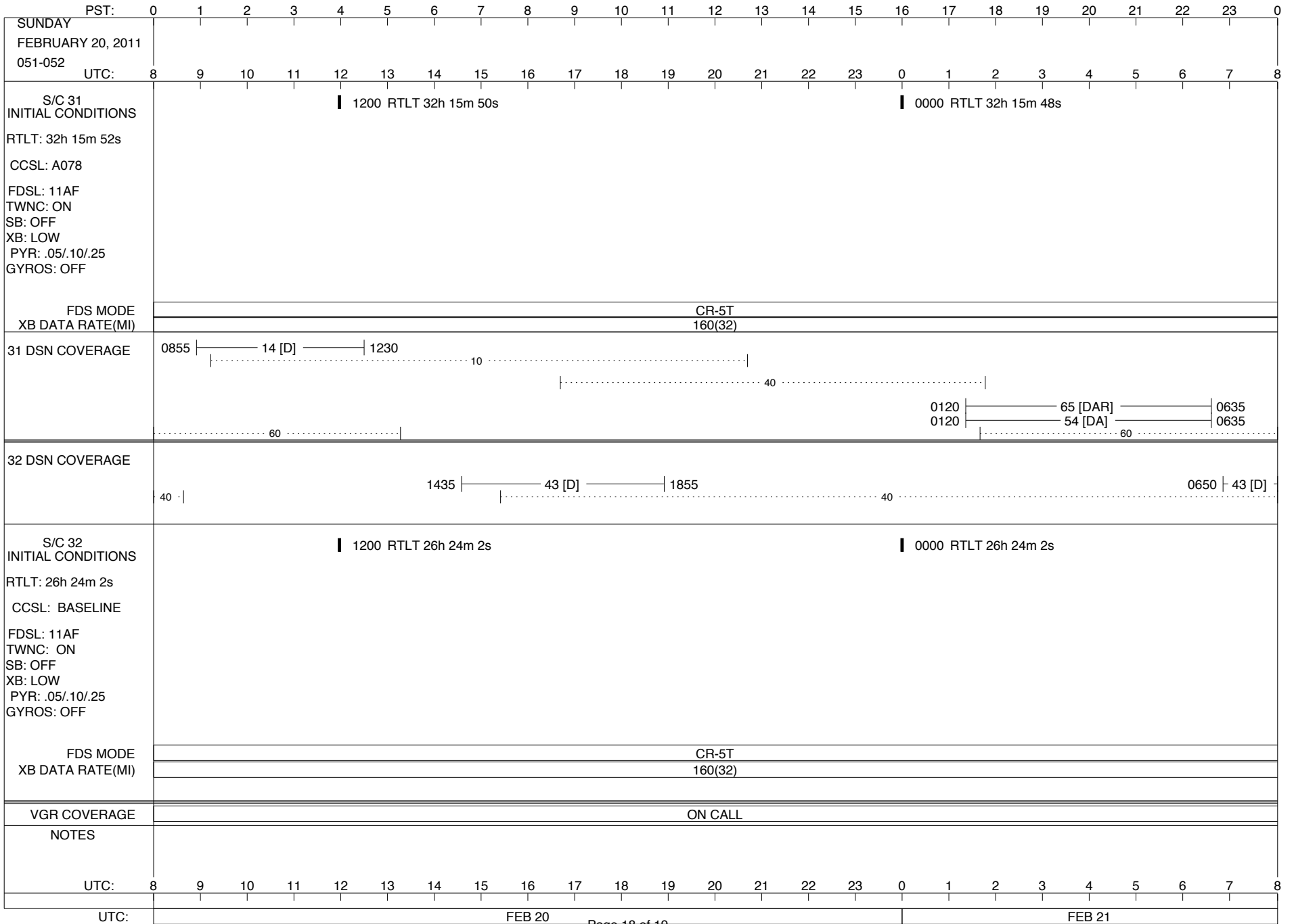
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S/C 31 INITIAL CONDITIONS RTLT: 32h 15m 48s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 32h 15m 48s</p> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>10 11 60</p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>43 [D] 0925 1043 40 1435 43 [D] 1830</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 26h 24m 2s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 26h 24m 2s</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		
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