

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: February 5, 2014

For the Period: 02/06/14 to 02/24/14 (14-037 – 14-055)

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DSOT (1) 230-102

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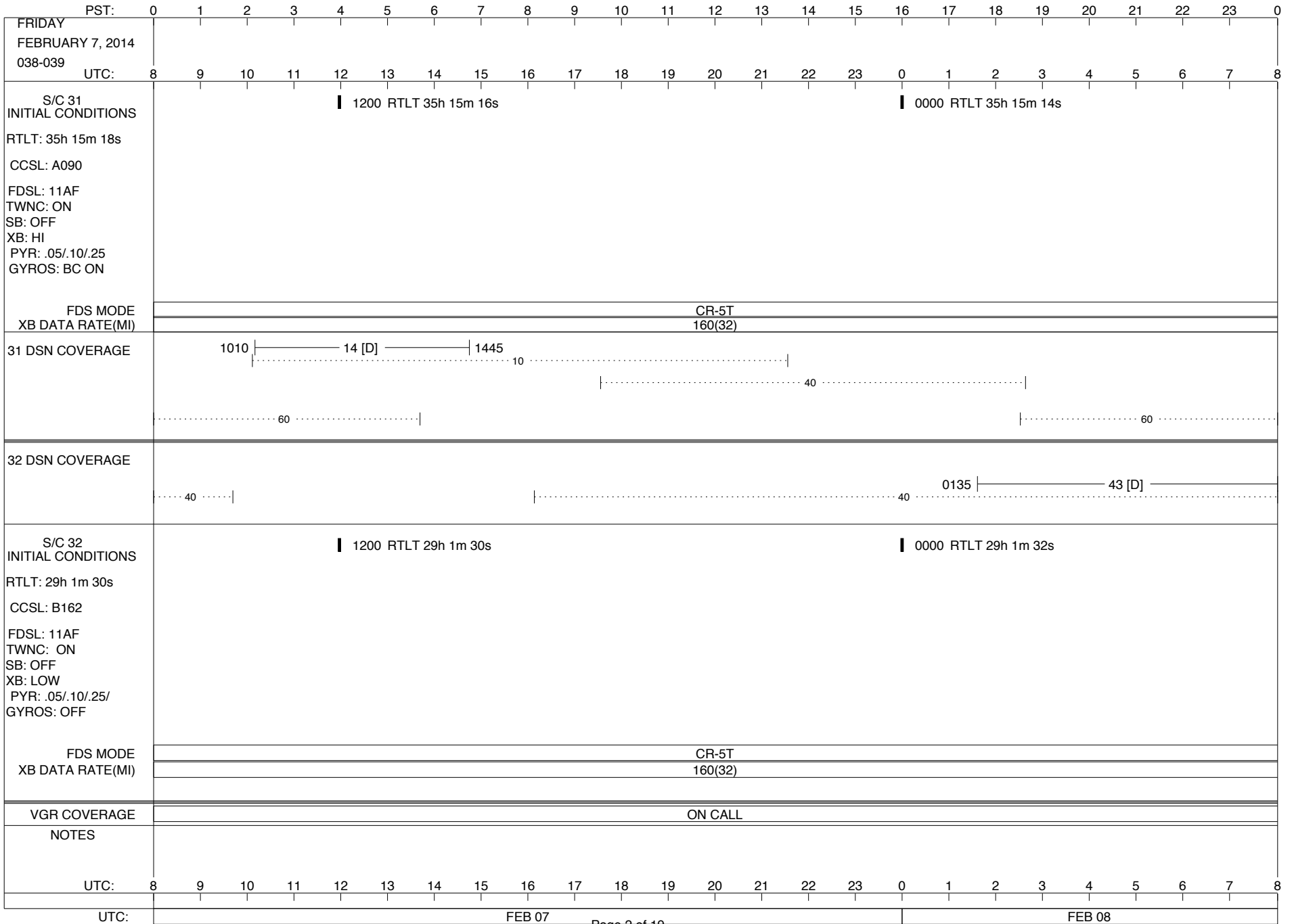
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U =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

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

ISSUE DATE: 02/06/14 21:54

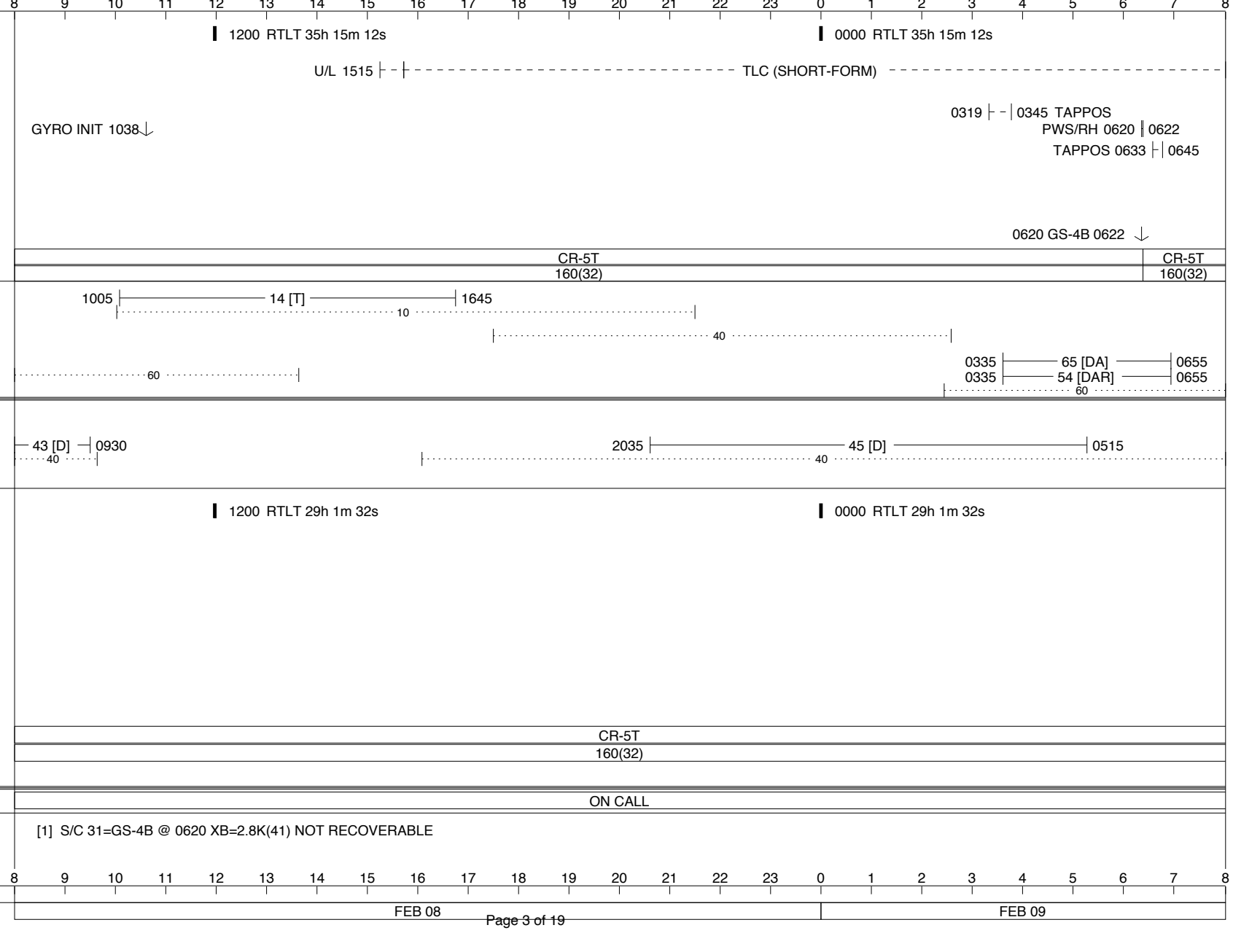
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THURSDAY FEBRUARY 6, 2014 037-038																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLTL: 35h 15m 20s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLTL 35h 15m 18s												0000 RTLTL 35h 15m 18s															
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: 29h 1m 28s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 29h 1m 28s												0000 RTLTL 29h 1m 30s															
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 @ 0320 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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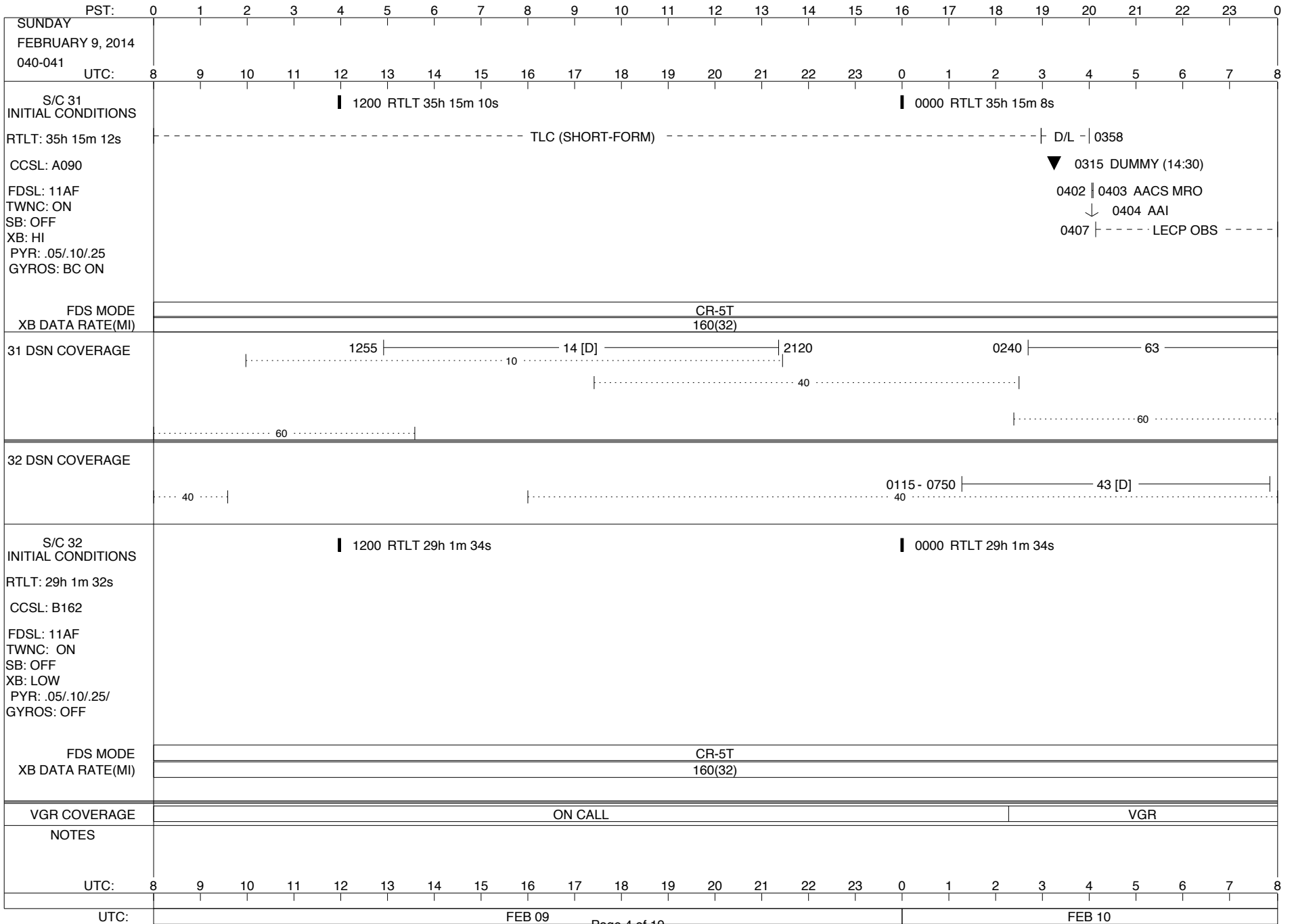


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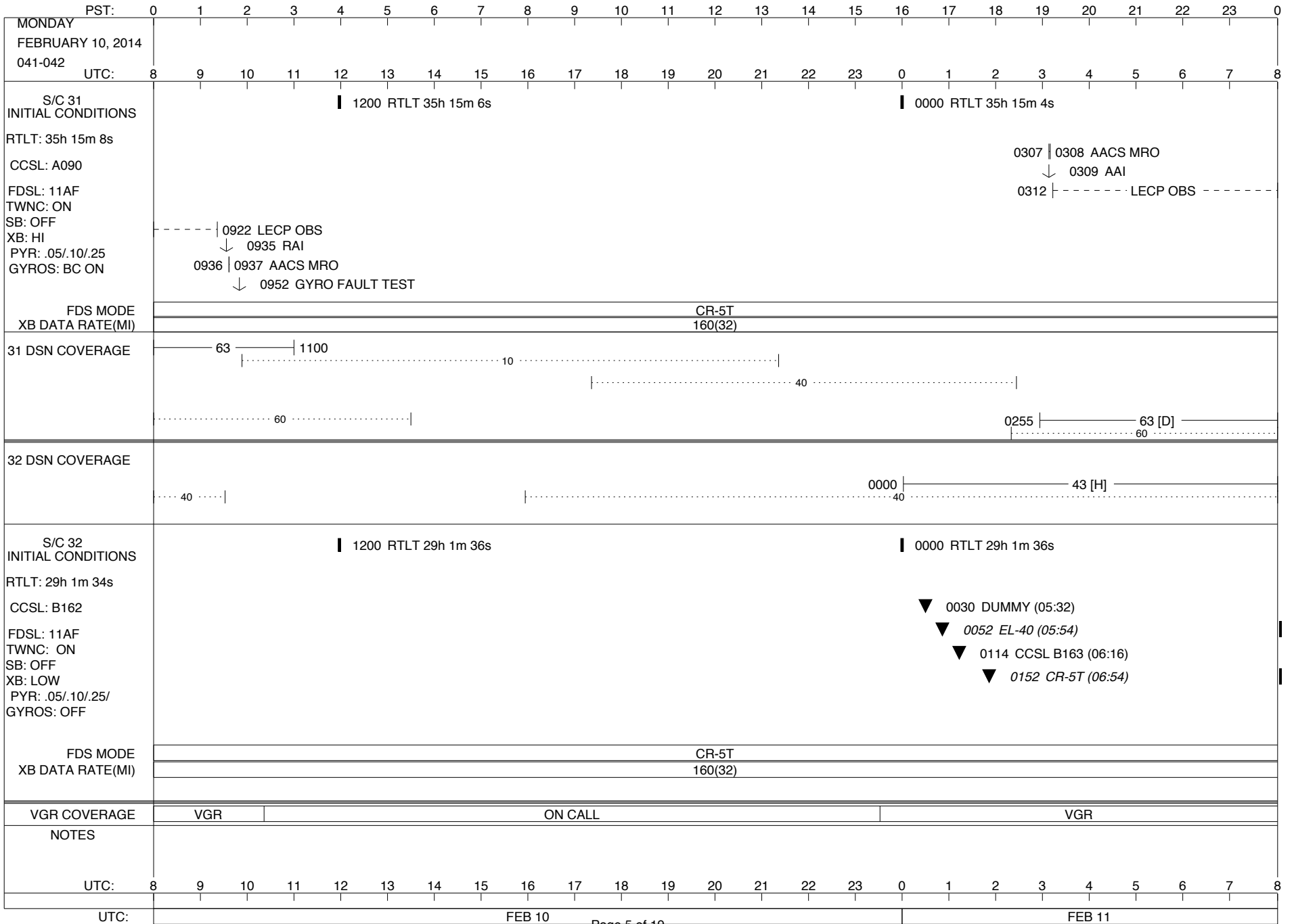
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SATURDAY FEBRUARY 8, 2014 039-040																									
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S/C 31 INITIAL CONDITIONS RTLT: 35h 15m 14s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON				█ 1200 RTLT 35h 15m 12s												█ 0000 RTLT 35h 15m 12s									
FDS MODE																CR-5T								CR-5T	
XB DATA RATE(MI)																160(32)								160(32)	
31 DSN COVERAGE		1005 ----- 14 [T] ----- 1645																							
						10									40										
				60																60					
																				60					
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									



ISSUE DATE: 02/06/14 21:54



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ISSUE DATE: 02/06/14 21:54

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

TUESDAY
FEBRUARY 11, 2014
042-043

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: 35h 15m 4s
CCSL: A090
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 35h 15m 4s
0000 RTLT 35h 15m 2s

0803 LECP OBS
0815 RAI
0816 - 0817 AACS MRO
0832 GYRO FAULT TEST

2043 | 2044 PWS/RH
2043 GS-4B 2044

ALL DB=.05 0657↓
AAI 0713↓
ASCAL 0714 - 0751 | - - |
RAI 0748↓
CRU 0751↓
ROLL=.25 0800 ↓

0642↓ 0754↓

FDS MODE	CR-5T	CR-5T	EL-40
XB DATA RATE(MI)	160(32)	160(32)	40(30)

31 DSN COVERAGE

.....|.....10.....|.....|.....40.....|.....|.....

0855 63 [D]|.....|.....0510 |.....63 [D].....|.....

.....60.....|.....|.....60.....

32 DSN COVERAGE

43 [H] |.....0925.....|.....|.....0235 |.....45 [D].....|.....0540.....|.....

.....40.....|.....|.....40.....|.....0520 |.....43 [D].....|.....

S/C 32
INITIAL CONDITIONS
RTLT: 29h 1m 36s
CCSL: B162
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 29h 1m 36s
0000 RTLT 29h 1m 36s

B163 CHKSUM 0625 * | 0629

EL-40 0555↓ *
CR-5T 0655↓ *

FDS MODE	CR-5T	EL-40	CR-5T
XB DATA RATE(MI)	160(32)	40(30)	160(32)

VGR COVERAGE VGR ON CALL VGR

NOTES

[1] S/C 31=GS-4B @ 2043 XB=2.8K(41) NOT RECOVERABLE
 [2] S/C 31 - D/L /SNR VARIATIONS EXPECTED DURING ASCAL (0714-0751)
 [3] S/C 31=EL-40 @ 0642 XB=40(30)
 [4] SC 32=EL-40 XB=40(30) @ 0555
 [5] SC 32=CR-5T XB=160(32) @ 0655

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 11 FEB 12

ISSUE DATE: 02/06/14 21:54

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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WEDNESDAY
FEBRUARY 12, 2014
043-044

S/C 31
INITIAL CONDITIONS
RTLT: 35h 15m 2s
CCSL: A090
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 35h 15m 0s
0805 GYRO FAULT TEST
1356 | 1357 AACS MRO
↓ 1358 AAI
1401 | ----- LECP OBS ----- | 1827
↓ 1839 RAI
1840 | 1841 AACS MRO
↓ 1845 GYROS OFF

0000 RTLT 35h 14m 58s
0638 | TAPPOS
0800 ROLL=-.25

FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)

31 DSN COVERAGE

1345 |----- 14 [D] ----- | 1930
----- 10 -----
----- 40 -----

0850 63 [D] ----- 60 -----

0400 |----- 65 [DA] -----
0400 |----- 55 [DAR] -----
----- 60 -----

32 DSN COVERAGE

43 [D] | 0920 ----- 40 -----

0600 |----- 43 [D] -----

S/C 32
INITIAL CONDITIONS
RTLT: 29h 1m 36s
CCSL: B162
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 29h 1m 38s
0000 RTLT 29h 1m 38s

FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)

VGR COVERAGE	ON CALL	VGR	ON CALL
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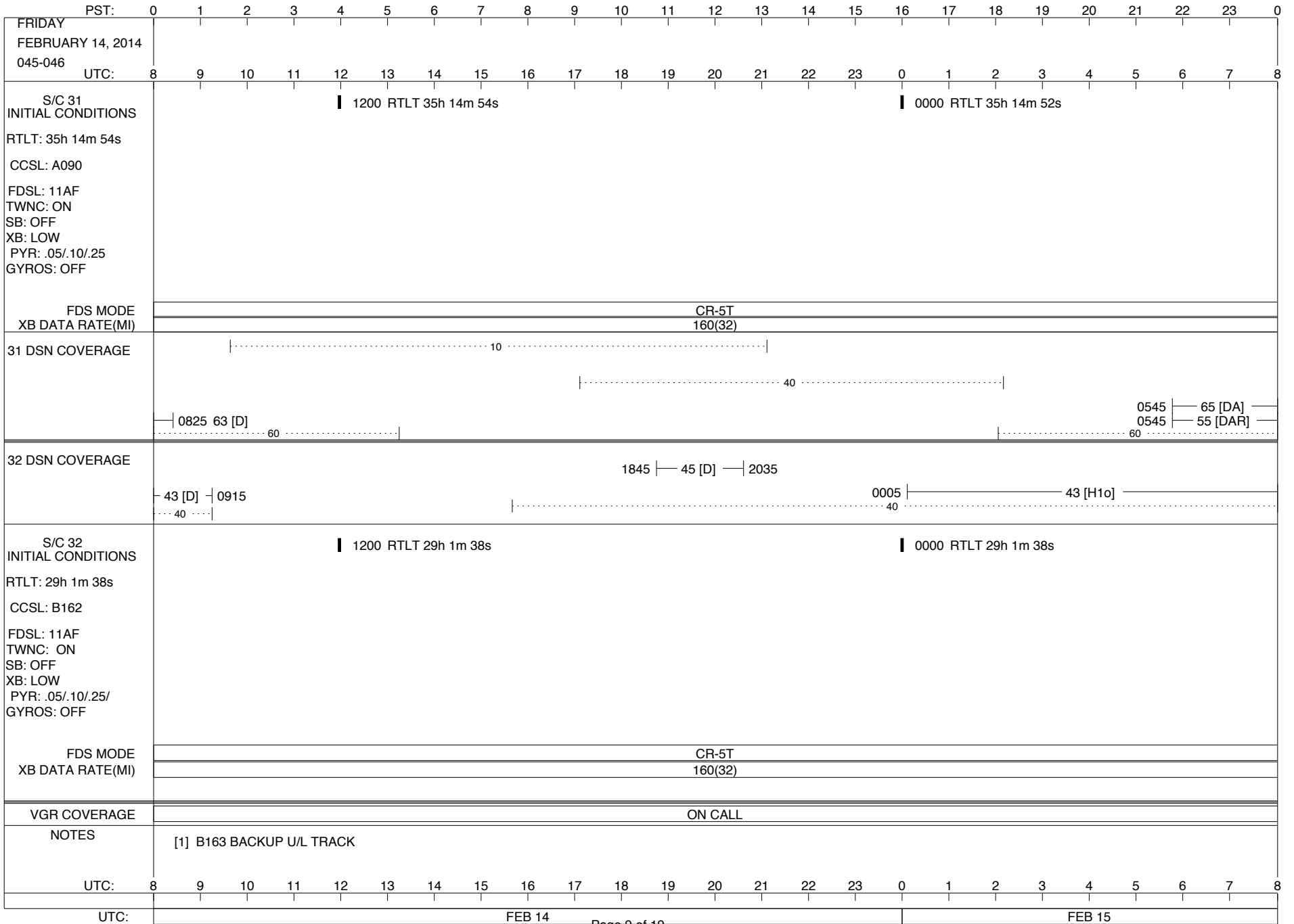
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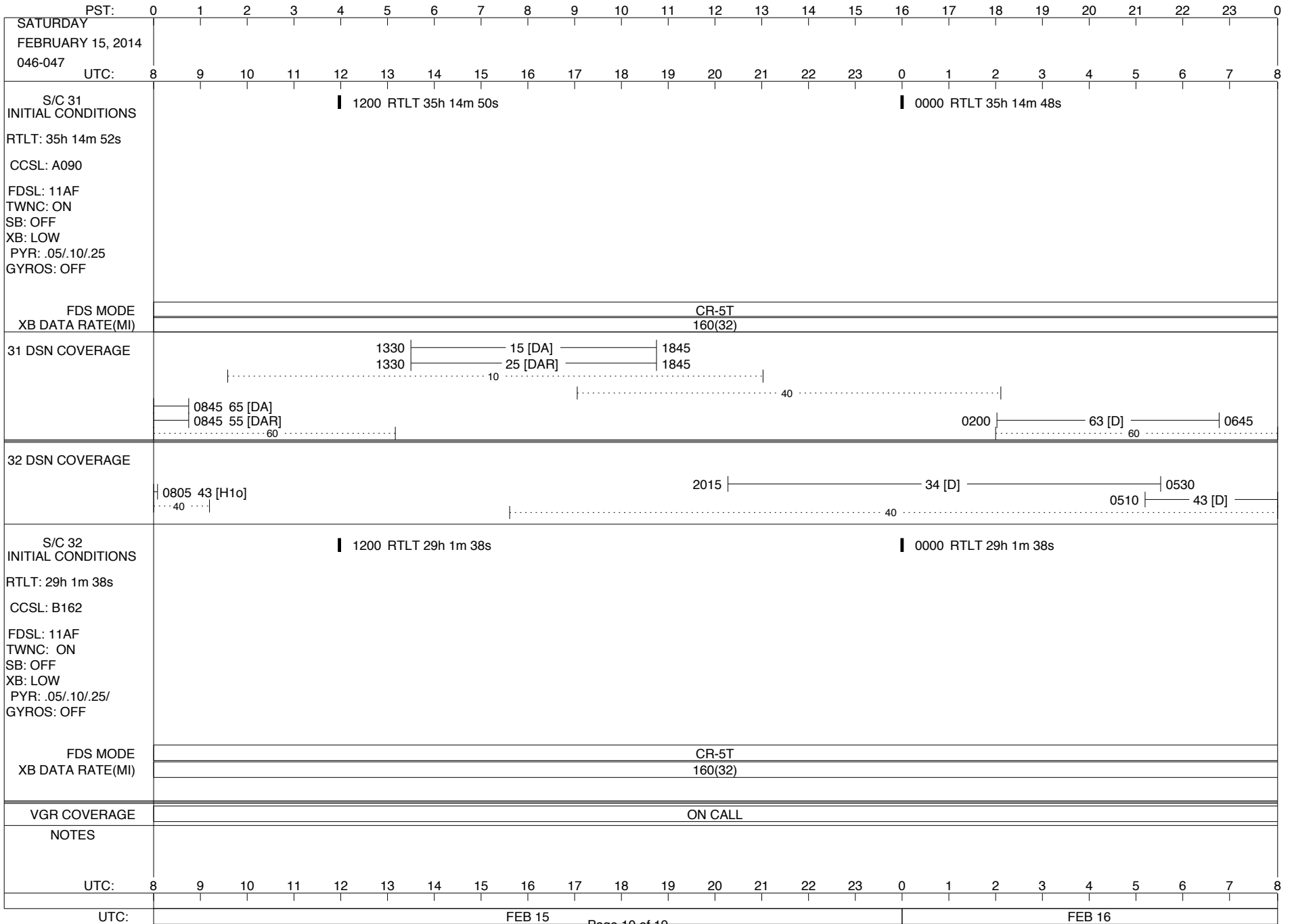
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THURSDAY FEBRUARY 13, 2014 044-045																												
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S/C 31 INITIAL CONDITIONS RTLTL: 35h 14m 58s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 14m 56s														0000 RTLTL 35h 14m 54s													
FDS MODE	CR-5T							PB-14							CR-5T													
XB DATA RATE(MI)	160(32)							1.4K(39)							160(32)													
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLTL: 29h 1m 38s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 29h 1m 38s														0000 RTLTL 29h 1m 38s													
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL							VGR							ON CALL													
NOTES	[1] S/C 31=PB-14 @ 1221 XB=1.4K(39) [2] S/C 31=CR-5T @ 1838 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 13														FEB 14													

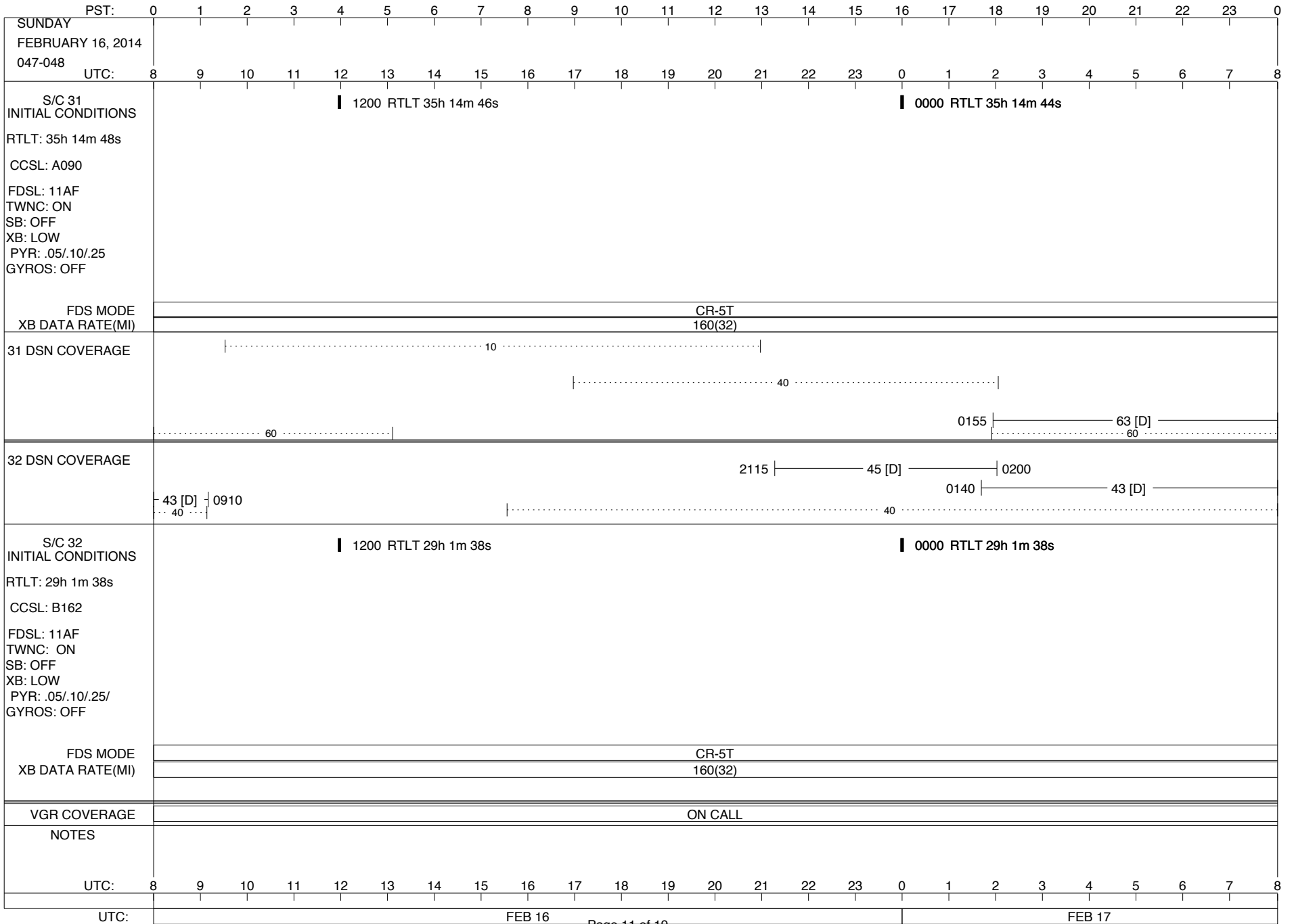
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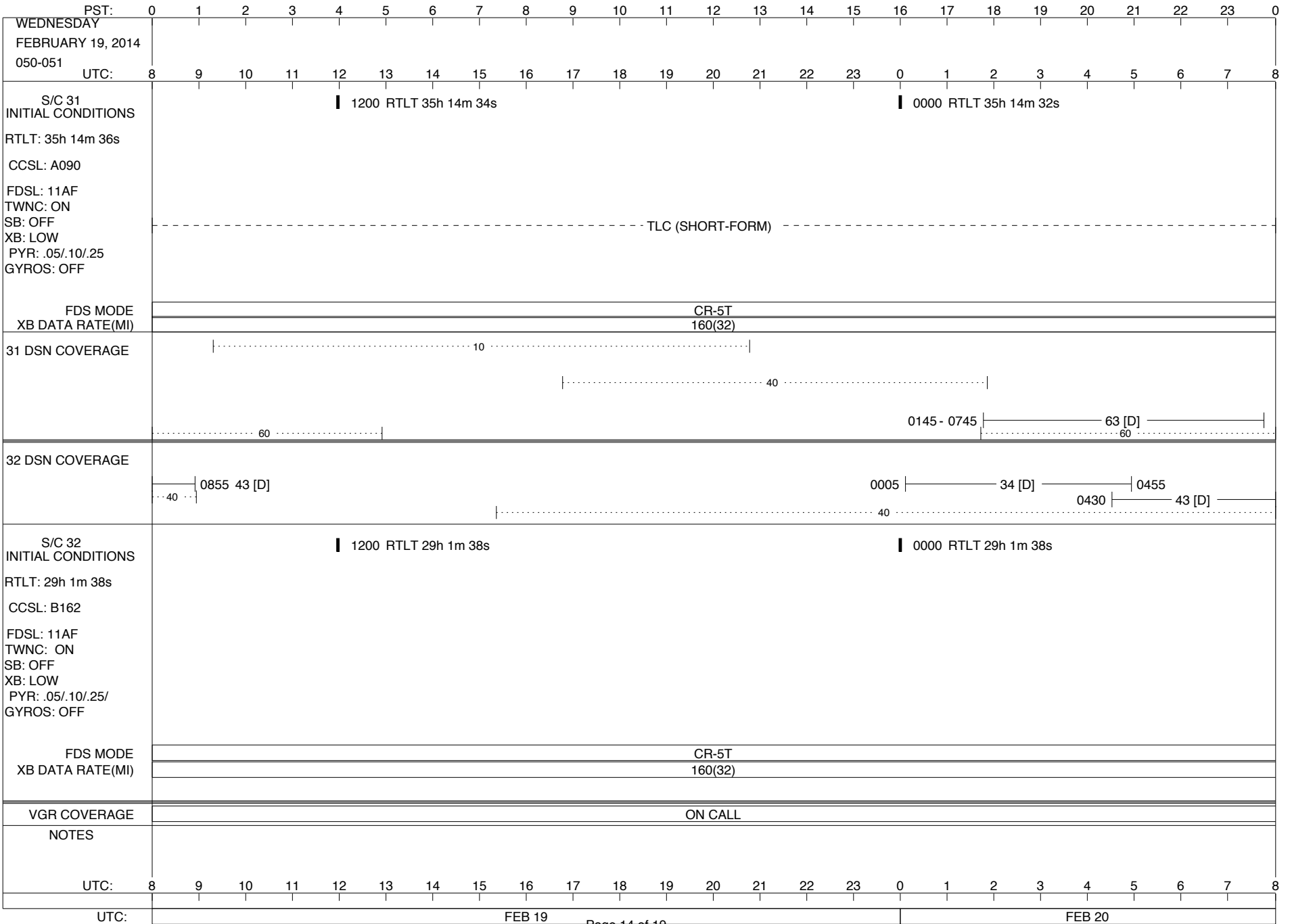
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PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
MONDAY FEBRUARY 17, 2014 048-049																									
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S/C 31 INITIAL CONDITIONS RTLT: 35h 14m 44s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 35h 14m 42s												█ 0000 RTLT 35h 14m 40s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE 10 40												
	63 [D] 0915												0215 63 [D]												
	60												60												
32 DSN COVERAGE	43 [D] 0905												2255 43 [D]												
	40												40												
S/C 32 INITIAL CONDITIONS RTLT: 29h 1m 38s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 29h 1m 38s												█ 0000 RTLT 29h 1m 38s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	JPL HOLIDAY!																								
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: 02/06/14 21:54

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
TUESDAY FEBRUARY 18, 2014 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 RTLT: 35h 14m 40s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 35h 14m 38s												█ 0000 RTLT 35h 14m 36s												
	↓ 1105 ENA AHELI2 1108 █ 1109 2 SID MRO'S												▼ 2000 DUMMY (07:15) 2019 █ 2020 PWS/RH												
													↓ 2019 GS-4B 2020												
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: 29h 1m 38s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 29h 1m 38s												█ 0000 RTLT 29h 1m 38s												
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=GS-4B @ 2019 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 18												FEB 19												

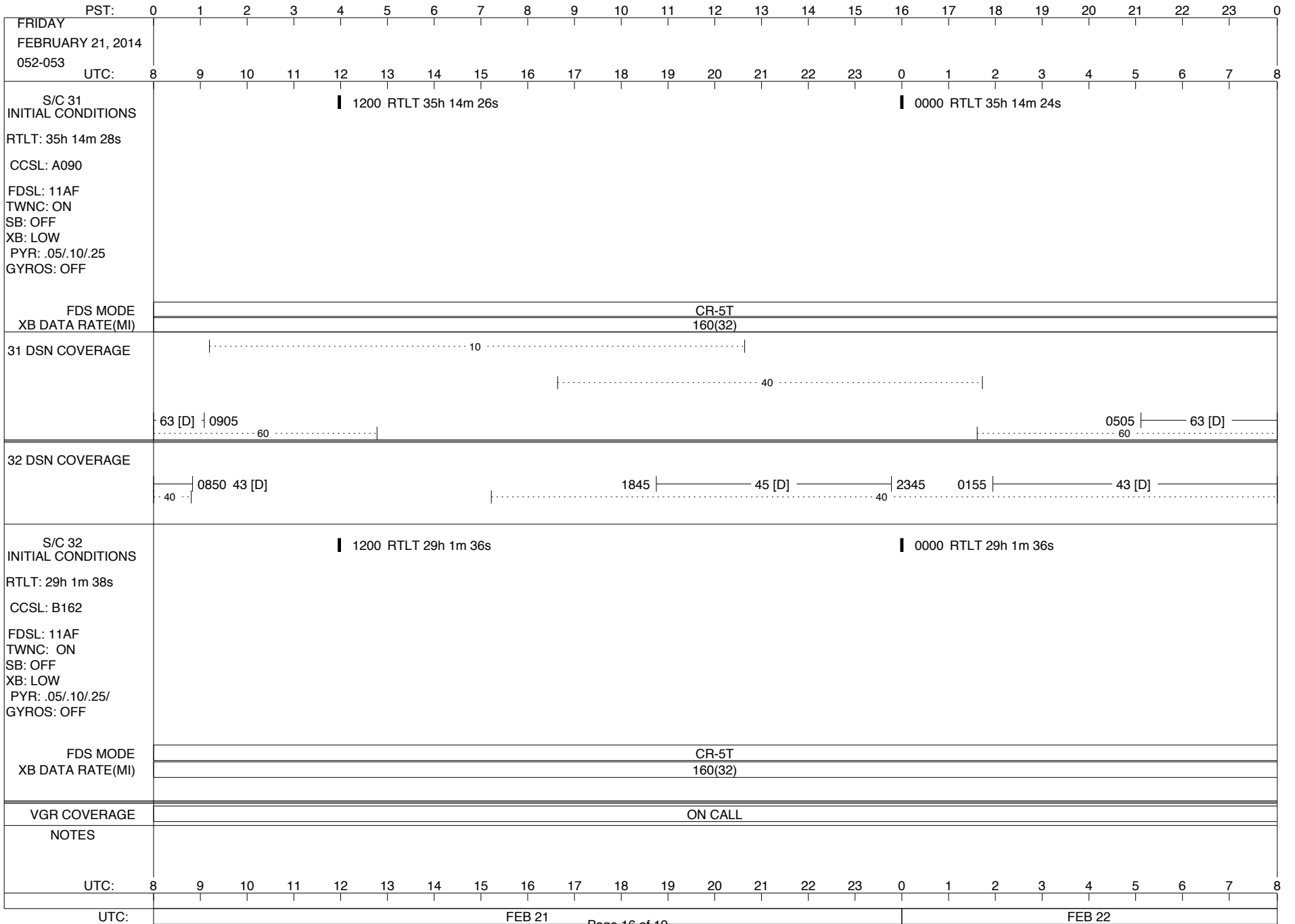
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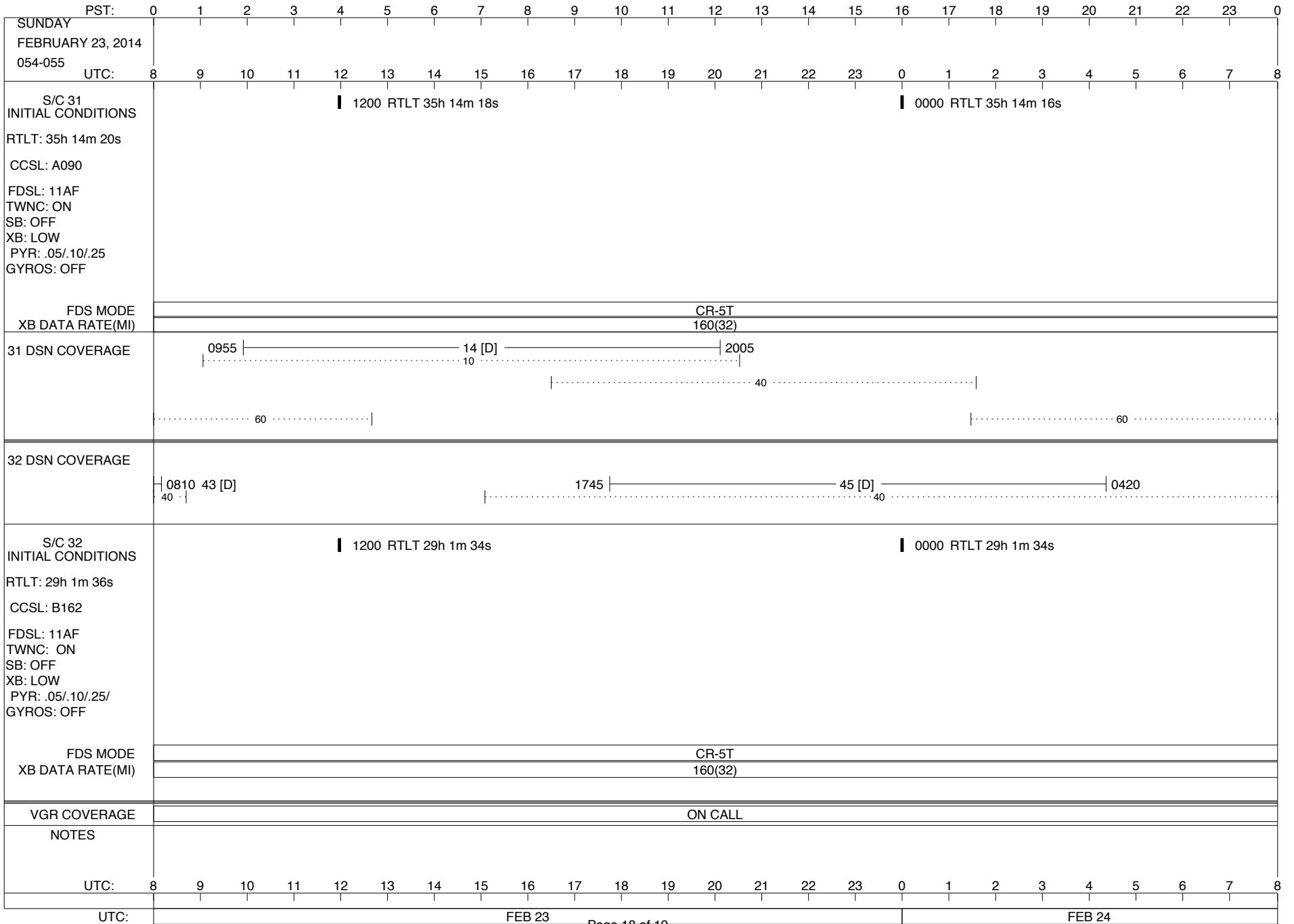
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UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS	1200 RTLT 35h 14m 30s												0000 RTLT 35h 14m 28s												
RTL: 35h 14m 32s																									
CCSL: A090																									
FDSL: 11AF																									
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)												
31 DSN COVERAGE	<p>1155 ----- 14 [D] ----- 1645</p> <p>..... ----- 10 ----- 40 ----- </p> <p>..... ----- 60 ----- 0245 ----- 63 [D] ----- </p> <p>..... ----- 60 ----- </p>																								
32 DSN COVERAGE	<p>0850 43 [D] ----- 40 ----- 0410 ----- 34 [D] ----- 0545</p> <p>..... ----- 40 ----- 0545 ----- 43 [D] ----- </p>																								
S/C 32 INITIAL CONDITIONS	1200 RTLT 29h 1m 38s												0000 RTLT 29h 1m 38s												
RTL: 29h 1m 38s																									
CCSL: B162																									
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 @ 0233 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: 02/06/14 21:54



ISSUE DATE: 02/06/14 21:54

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
SATURDAY FEBRUARY 22, 2014 053-054	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: 35h 14m 24s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 14m 22s												0000 RTLT 35h 14m 20s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	-----10-----												-----40-----												
	63 [D]----- 1305						-----60-----						-----60-----						-----60-----						
32 DSN COVERAGE	-----40----- 0845 43 [D]												2310 -----45 [D]----- 0215												
	-----40-----												-----40----- 0345 -----43 [D]-----												
S/C 32 INITIAL CONDITIONS RTLT: 29h 1m 36s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 29h 1m 36s												0000 RTLT 29h 1m 36s												
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 @ 0532 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 22												FEB 23												



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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		
MONDAY FEBRUARY 24, 2014 055-056																											
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: 35h 14m 16s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>█ 1200 RTLT 35h 14m 14s</p> <p>↓ 1238 GYROS AC ON</p> <p>↓ 1238 GYRO INIT</p> <p>↓ 1248 GYRO FAULT TEST</p> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<p>0900 ----- 14 [D] ----- 1330</p> <p>..... ----- 10 ----- </p> <p>..... ----- 60 ----- </p>																										
32 DSN COVERAGE	<p>40 . </p>																										
S/C 32 INITIAL CONDITIONS RTLT: 29h 1m 34s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<div style="text-align: center;"> <p>█ 1200 RTLT 29h 1m 34s</p> </div>																										
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:	FEB 24													FEB 25													