

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: February 18, 2009

For the Period: 02/19/09 to 03/11/09 (09-050– 09-068)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (15) 600-100

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

CRS *bryant@mail630.gsfc.nasa.gov
 LECP *r.decker@jhupl.edu
 UVS *holberg@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

Hall, J.
 Howard, S. (3)
 Ludwig, R. (2)
 Massey, Ed
 Matsumoto, S.
 Medina, E.
 Peralta, F.
 Poynter, R.
 Weeks, T.
 Wong, R.
 Yang, L
 Zottarelli, L.
 *odivers1@san.rr.com

OTHER

* KMassej@jgld.gdscc.nasa.gov
 * Belinda.Arroyo@jpl.nasa.gov
 * Peter.T.Poon@jpl.nasa.gov
 * DSN-MPSETA@jjpl.jpl.nasa.gov

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
 (17 – Dist/N: Paper Copies)
 02/21/08

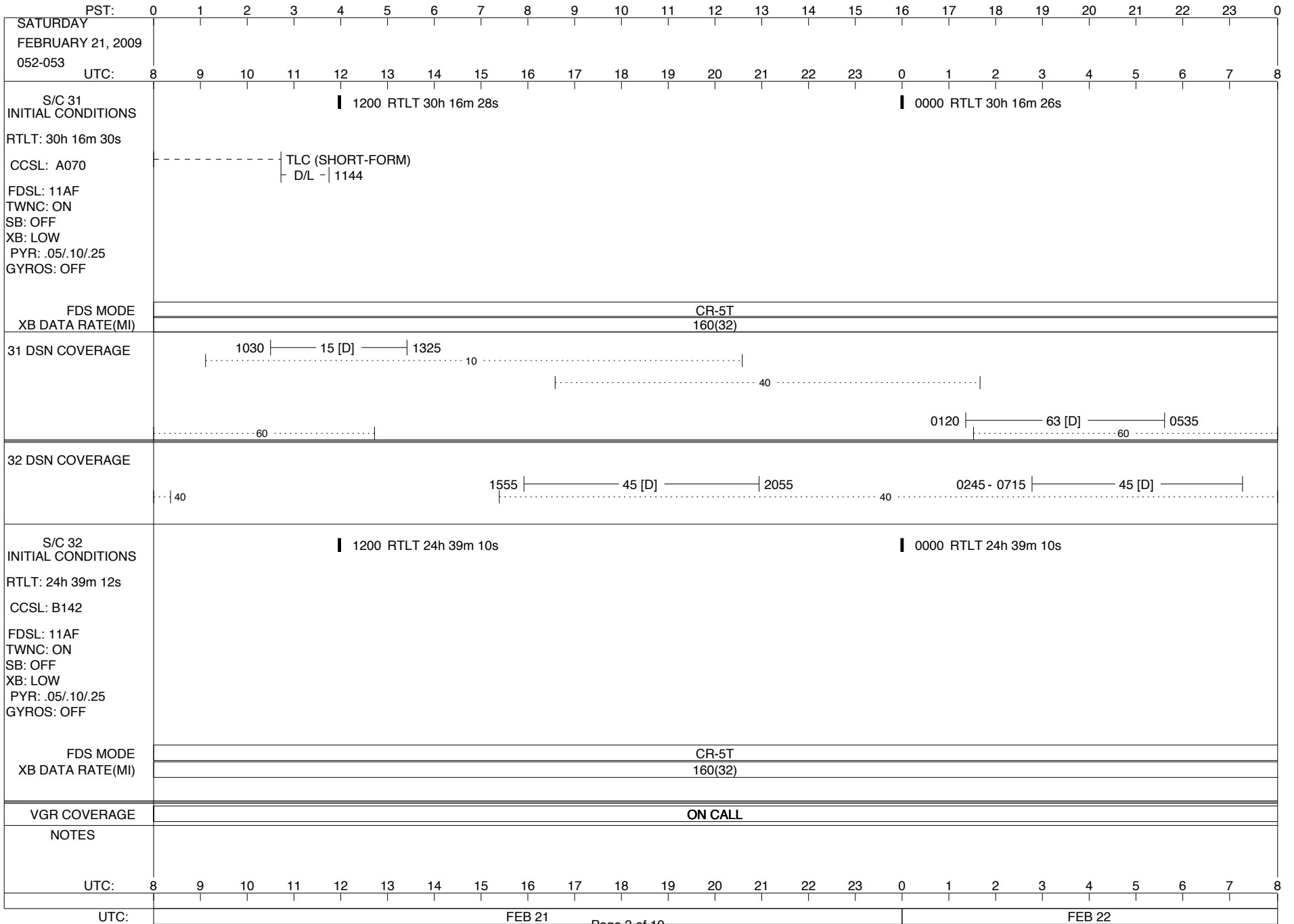
ISSUE DATE: 02/18/09 21:08

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S/C 31 INITIAL CONDITIONS RTLT: 30h 16m 38s CCSL: A070 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 30h 16m 36s												█ 0000 RTLT 30h 16m 34s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	-----10-----												-----40-----												
	-----60-----												0340 -----63 [T]----- 0555 -----60-----												
32 DSN COVERAGE	1600 -----45 [D]----- 2125												-----40 40-----												
S/C 32 INITIAL CONDITIONS RTLT: 24h 39m 14s CCSL: B142 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 24h 39m 12s												█ 0000 RTLT 24h 39m 12s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE													ON CALL												
NOTES																									
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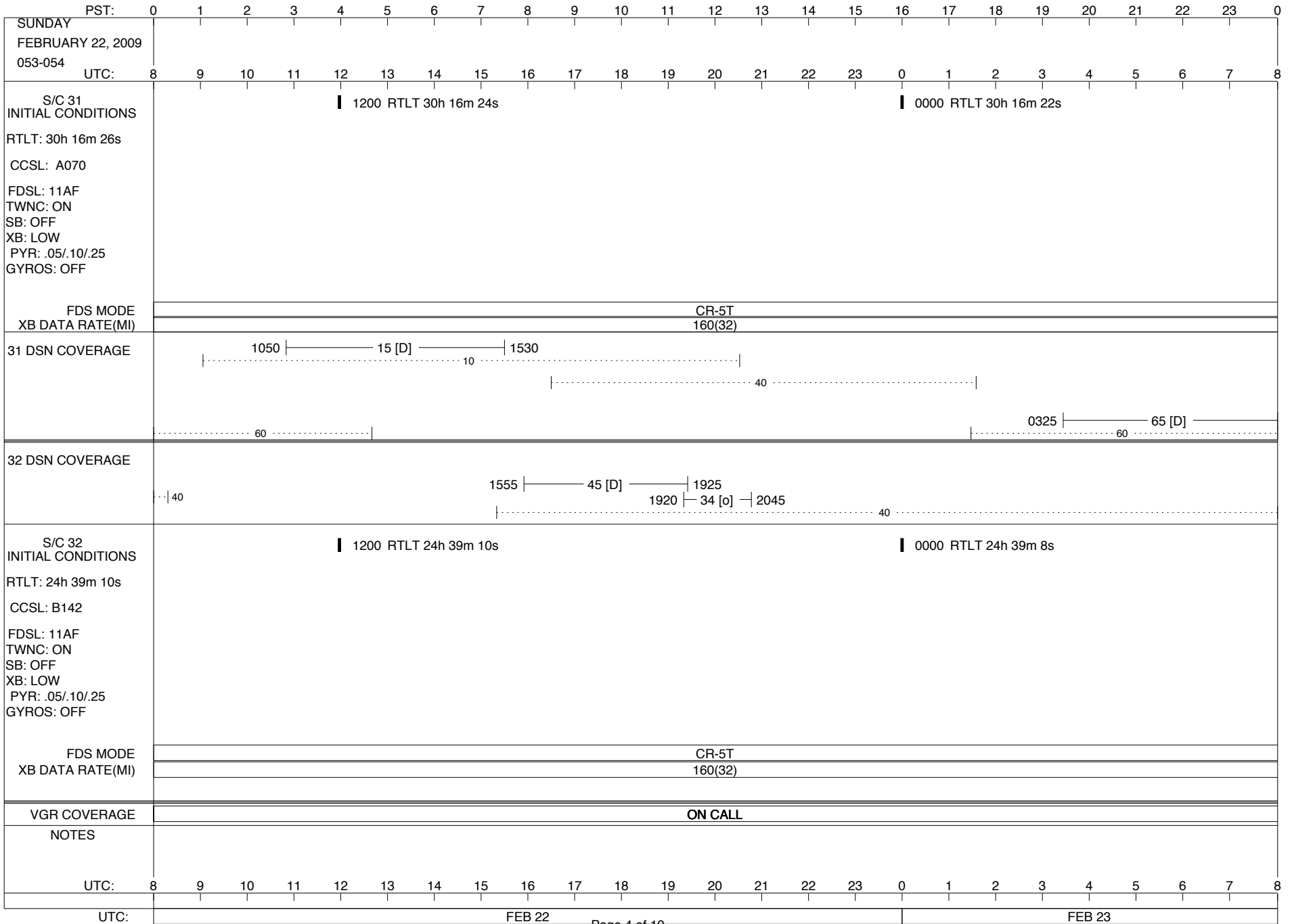
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S/C 31 INITIAL CONDITIONS RTLT: 30h 16m 34s CCSL: A070 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 16m 32s												0000 RTLT 30h 16m 30s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1030 ----- 14 [D] ----- 1445 ----- 10 ----- ----- 40 -----												0135 ----- 63 [D] ----- 0550 ----- 60 -----												
32 DSN COVERAGE	40 40												0340 - 0750 ----- 45 [D] ----- ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 24h 39m 12s CCSL: B142 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 39m 12s												0000 RTLT 24h 39m 12s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0214 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: 02/18/09 21:08



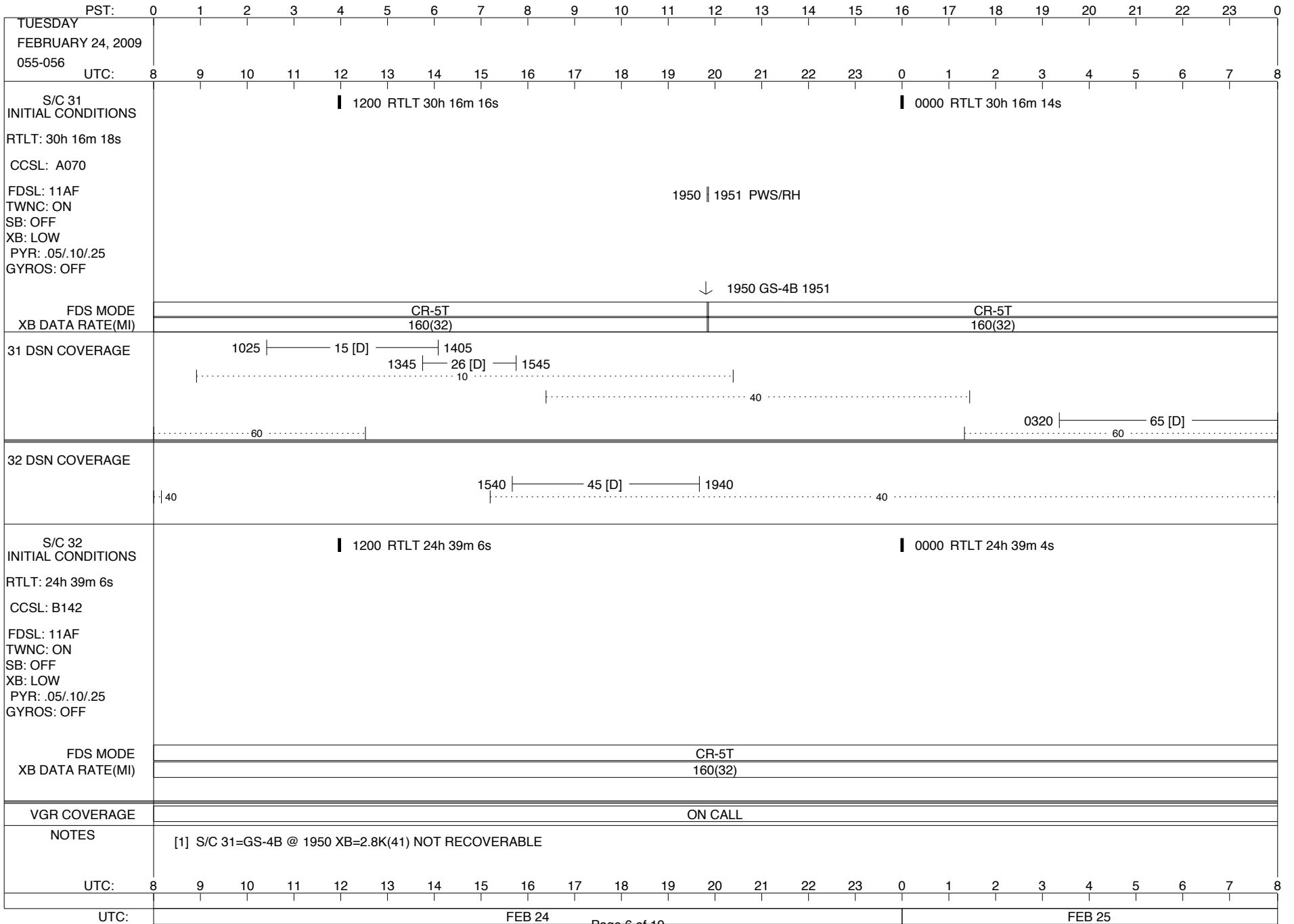
ISSUE DATE: 02/18/09 21:08



ISSUE DATE: 02/18/09 21:08

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 23, 2009 054-055	
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: 30h 16m 22s CCSL: A070 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 30h 16m 20s 0000 RTLT 30h 16m 18s ▼ 1730 DUMMY (23:46)
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE	1155 ----- 14 ----- 1815 ----- 10 ----- ----- 40 ----- 65 [D] ----- 1100 ----- 60 ----- 0105 ----- 63 [D] ----- 0545 ----- 60 -----
32 DSN COVERAGE	1545 ----- 45 [D] ----- 2100 ----- 40 ----- 40
S/C 32 INITIAL CONDITIONS RTLT: 24h 39m 8s CCSL: B142 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 24h 39m 8s 0000 RTLT 24h 39m 6s
FDS MODE	CR-5T
XB DATA RATE(MI)	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 23 Page 5 of 19 FEB 24

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ISSUE DATE: 02/18/09 21:08

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 25, 2009

056-057 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 30h 16m 12s

0000 RTLT 30h 16m 10s

RTLT: 30h 16m 14s

CCSL: A070

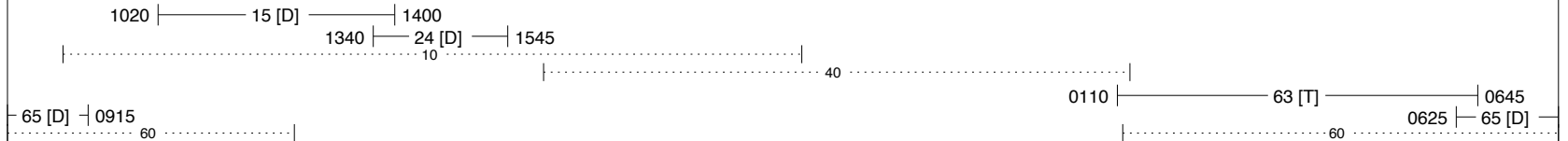
U/L 0200 | - | - - - - - TLC (SHORT-FORM) - - - - -

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

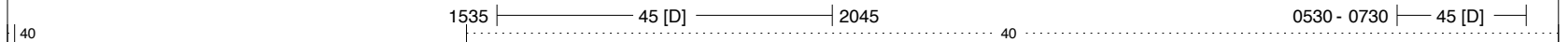
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS

1200 RTLT 24h 39m 4s

0000 RTLT 24h 39m 2s

RTLT: 24h 39m 4s

CCSL: B142

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

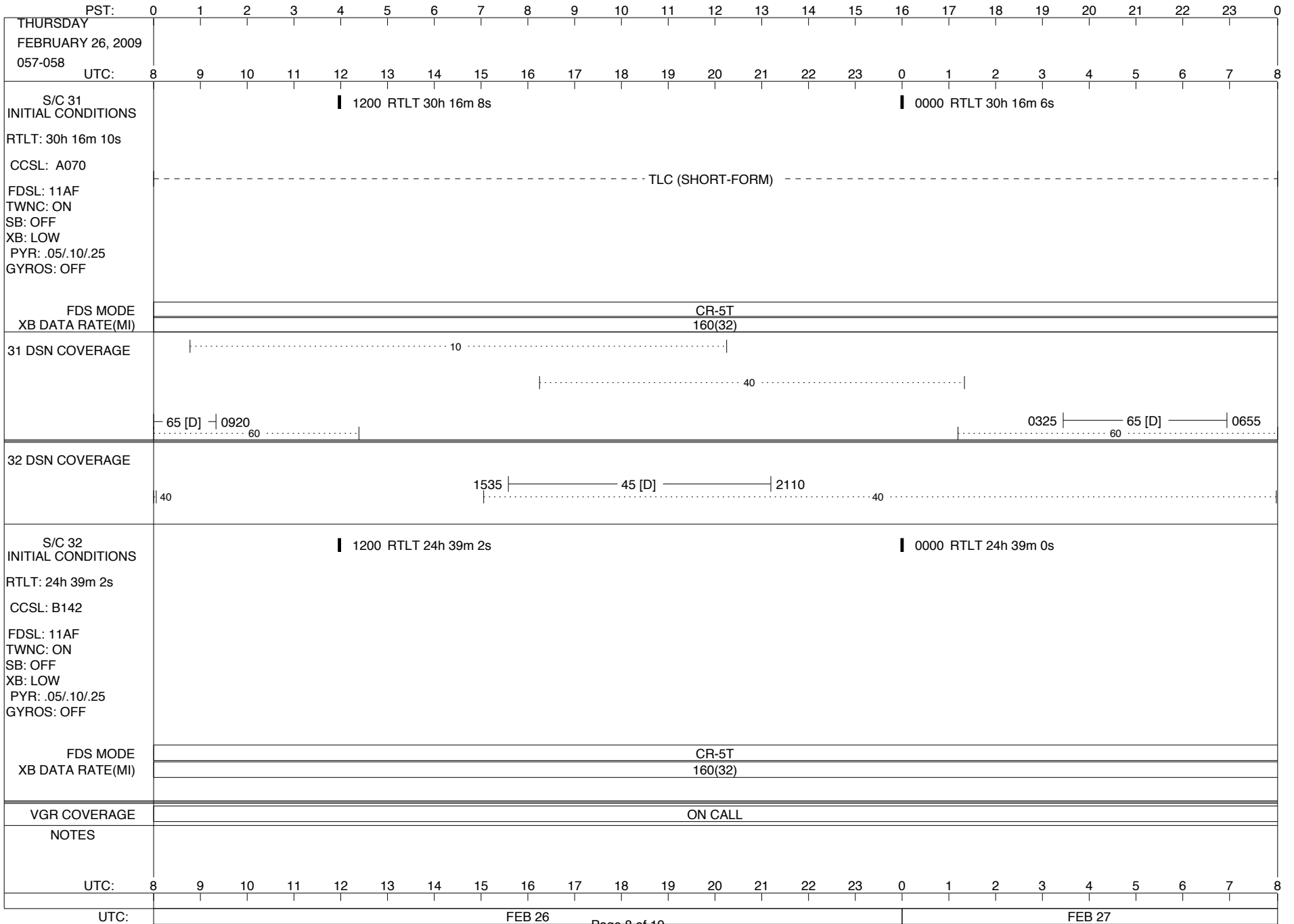
ON CALL

NOTES

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UTC: FEB 25 Page 7 of 19 FEB 26

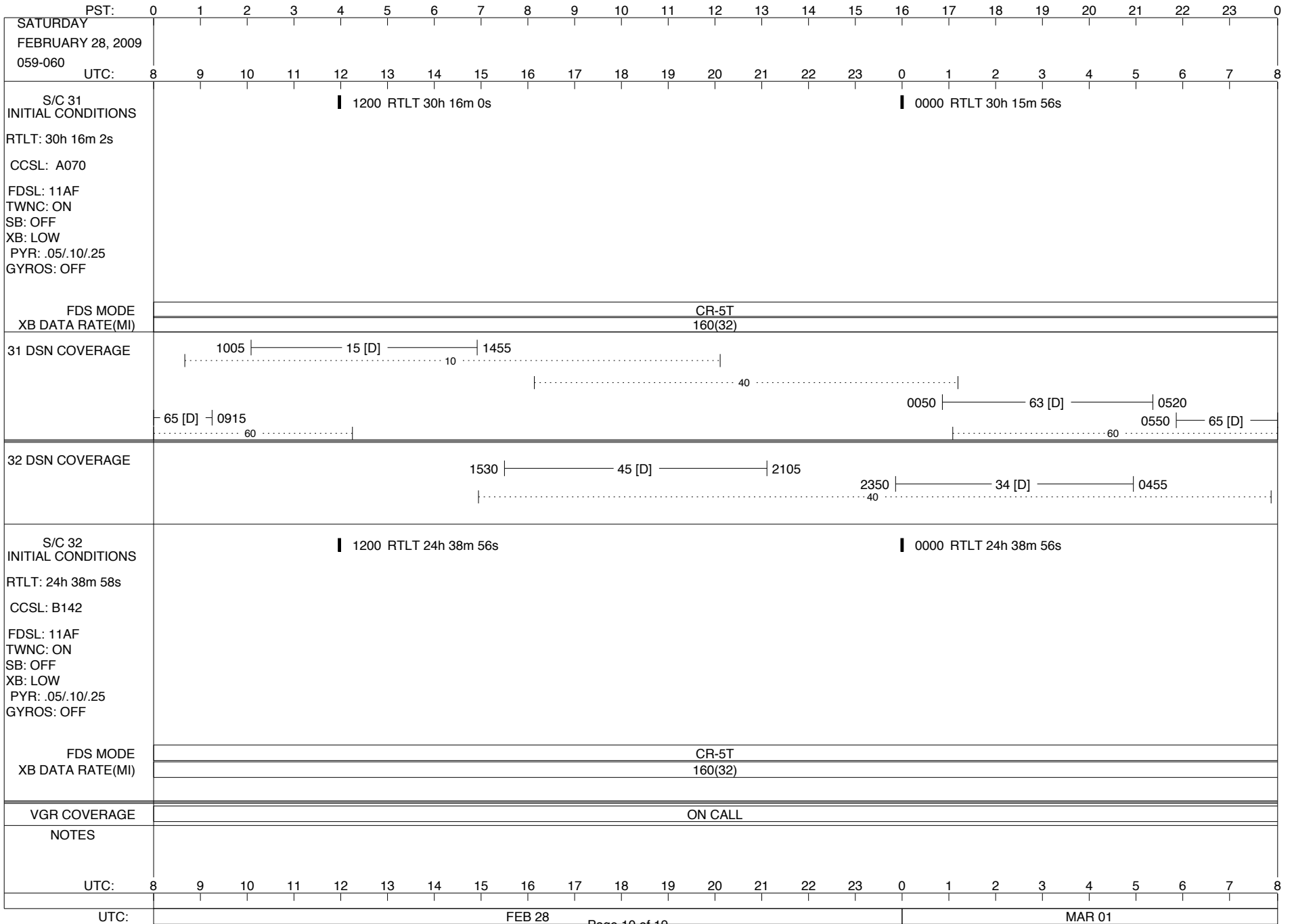
ISSUE DATE: 02/18/09 21:08



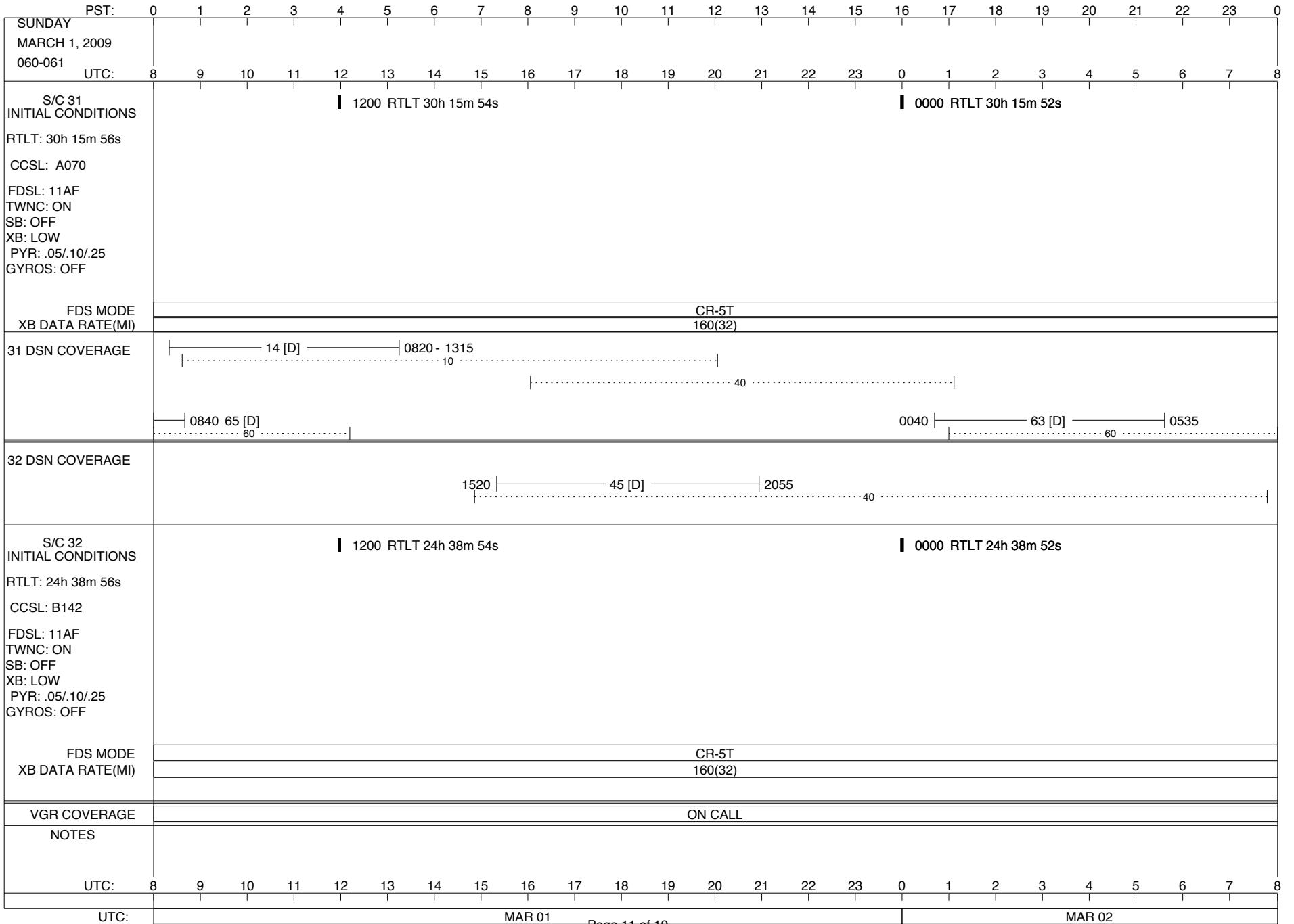
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S/C 31 INITIAL CONDITIONS	1200 RTLT 30h 16m 4s														0000 RTLT 30h 16m 2s													
RTLT: 30h 16m 6s																												
CCSL: A070															2248 2302 TAPPOS													
FDSL: 11AF	TLC (SHORT-FORM)														0150 0151 PWS/RH													
TWNC: ON	D/L - 0944														0357 0358 TAPPOS													
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																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS	1200 RTLT 24h 39m 0s														0000 RTLT 24h 38m 58s													
RTLT: 24h 39m 0s																												
CCSL: B142																												
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 @ 0150 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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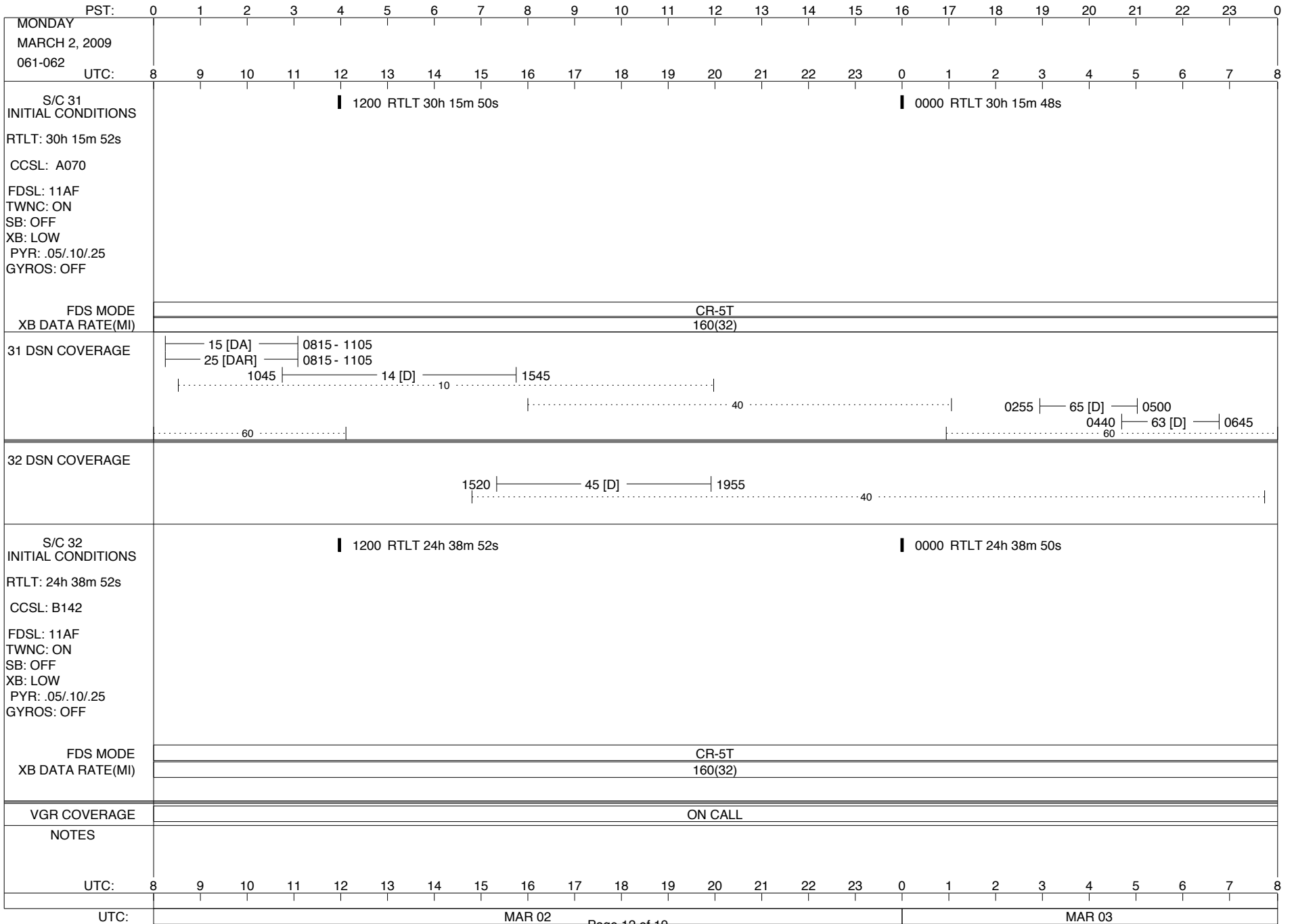
ISSUE DATE: 02/18/09 21:08

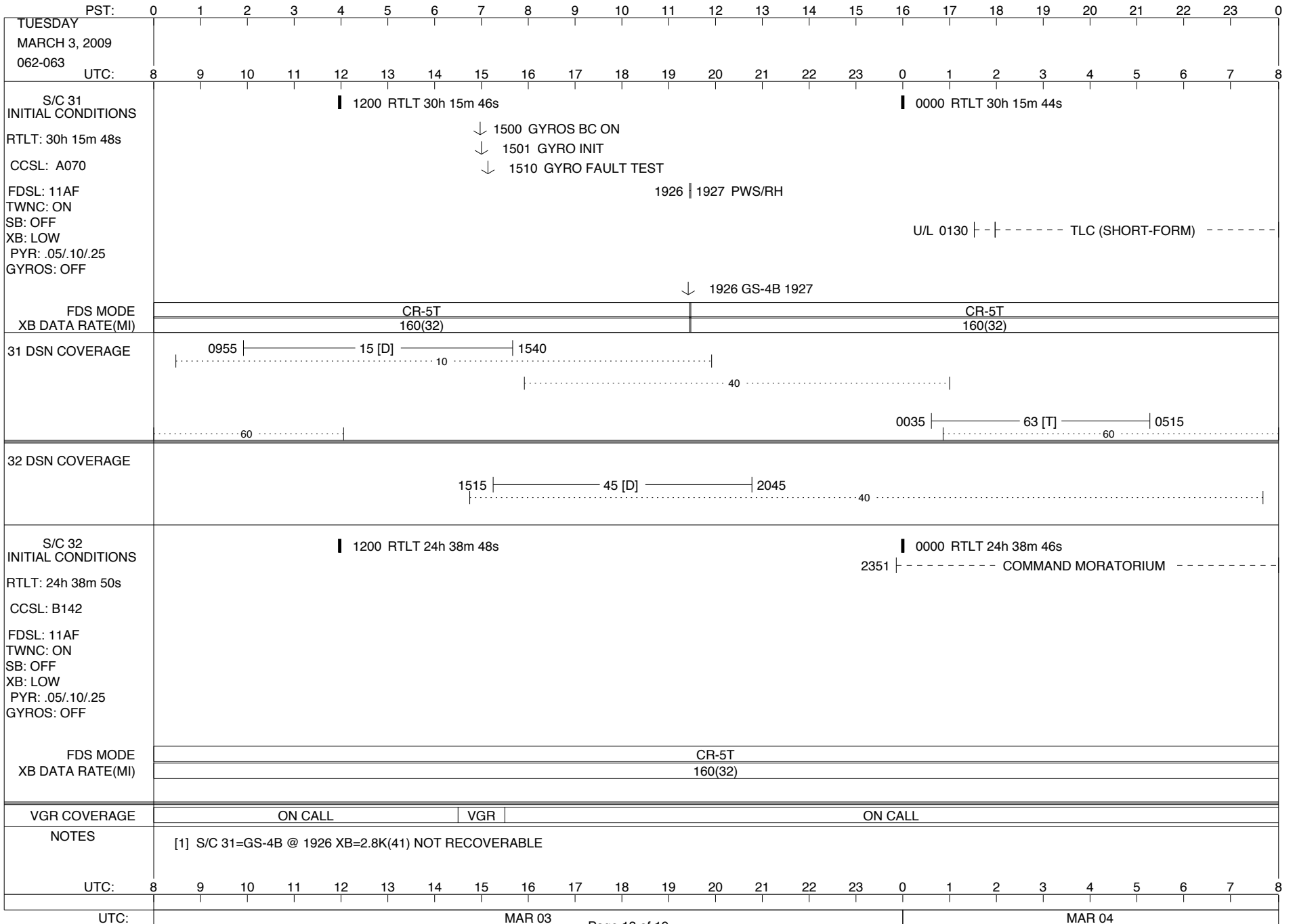


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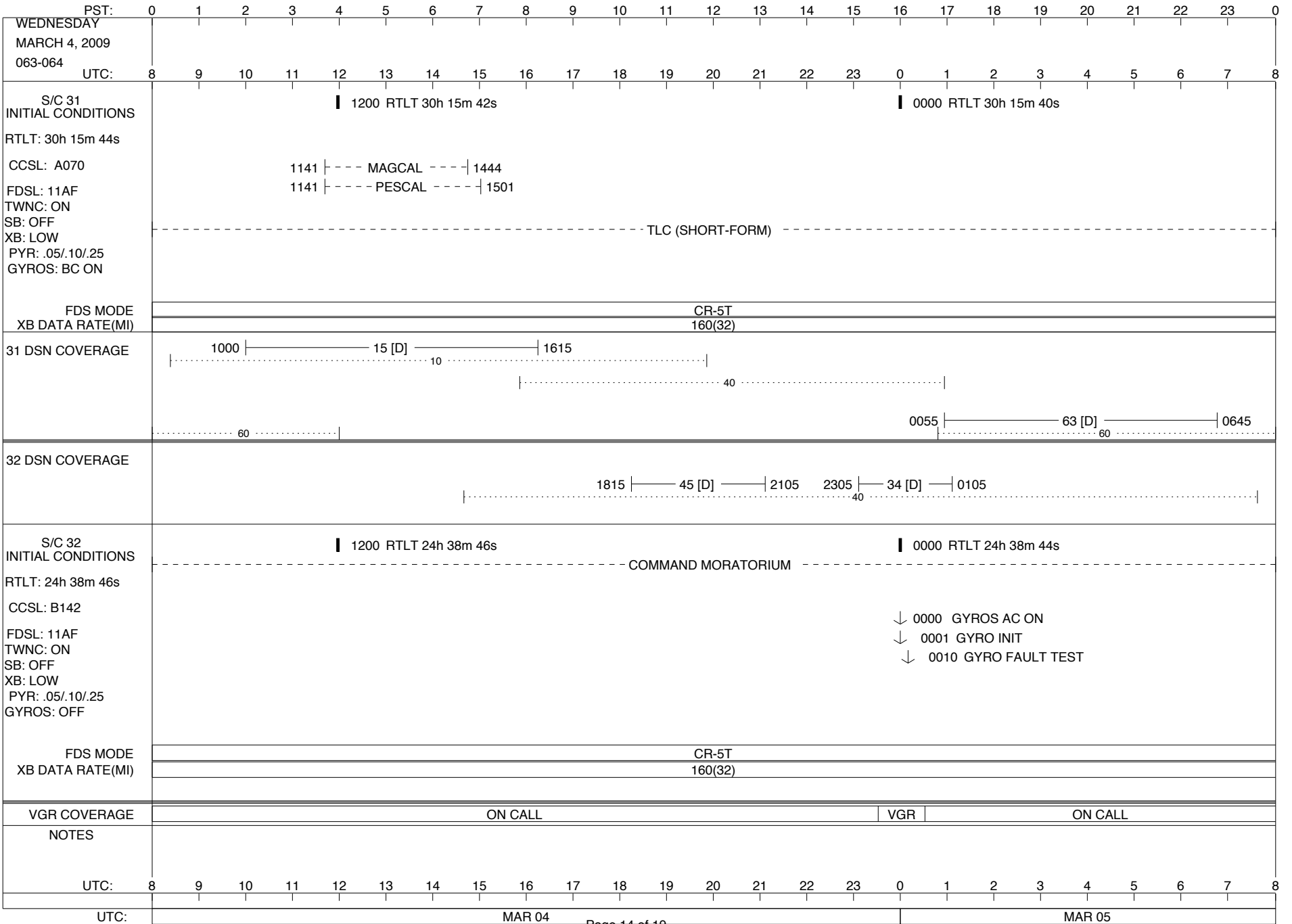


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ISSUE DATE: 02/18/09 21:08



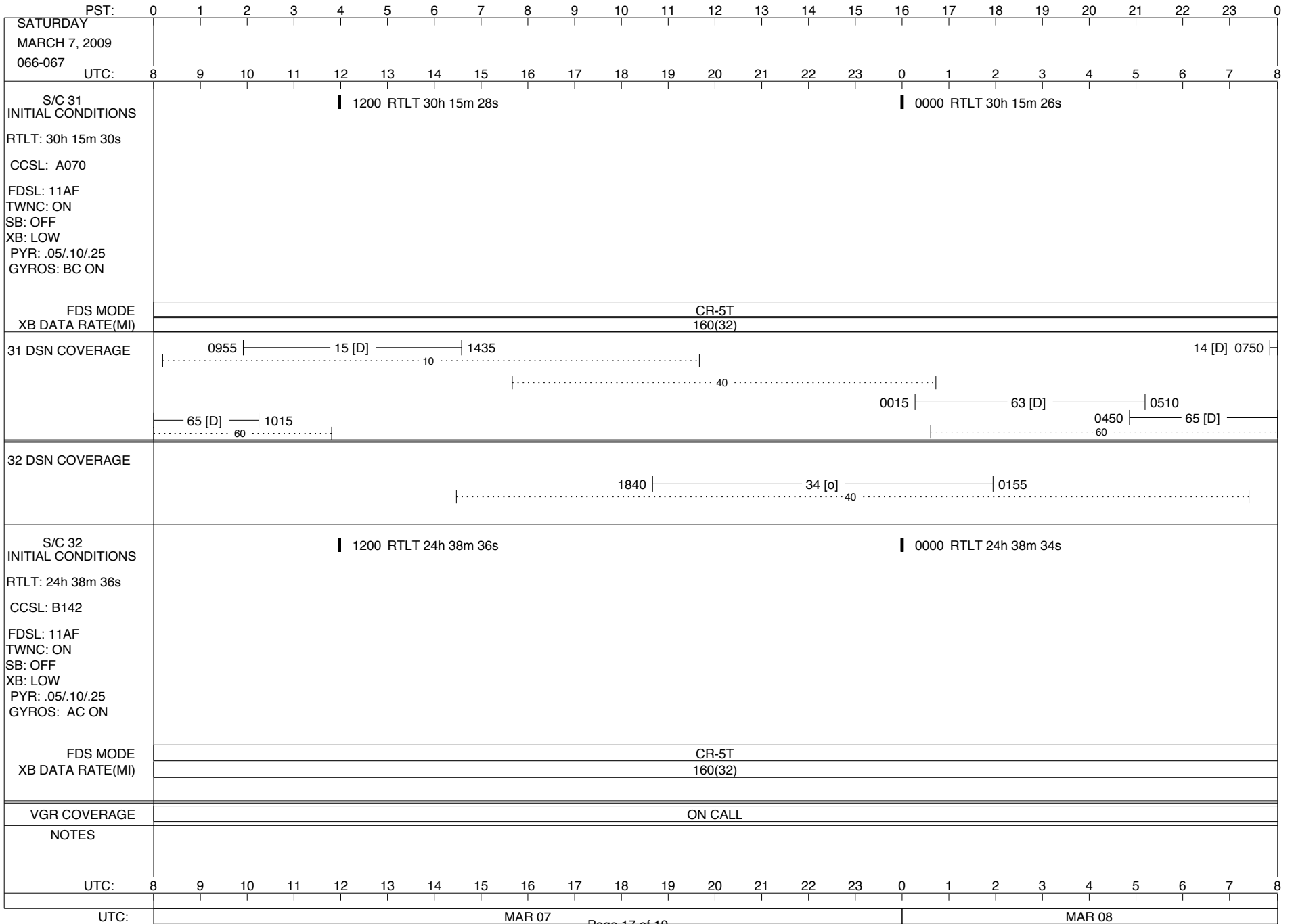
ISSUE DATE: 02/18/09 21:08

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 MARCH 5, 2009 064-065																									
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: 30h 15m 40s CCSL: A070 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	1200 RTLTL 30h 15m 38s												0000 RTLTL 30h 15m 34s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	14 [D] 0805 - 1010 0950 ----- 15 [D] 1545 ----- 10 ----- 40 ----- 60												14 [D] 0800 ----- 63 [D] 0510 ----- 60												
32 DSN COVERAGE	1505 ----- 45 [D] 1730 ----- 1730 ----- 34 [D] 0100 ----- 40																								
S/C 32 INITIAL CONDITIONS RTLTL: 24h 38m 44s CCSL: B142 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: AC ON	1200 RTLTL 24h 38m 42s												0000 RTLTL 24h 38m 40s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	COMMAND MORATORIUM												2321												
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:	MAR 05												MAR 06												

ISSUE DATE: 02/18/09 21:08

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 MARCH 6, 2009 065-066			
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: 30h 15m 34s CCSL: A070 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	<p>1200 RTLT 30h 15m 32s</p> <p>0000 RTLT 30h 15m 30s</p> <p>1500 GYRO INIT</p> <p>2224 2238 TAPPOS</p> <p>0126 0127 PWS/RH</p> <p>0333 0334 TAPPOS</p> <p>0126 GS-4B 0127</p>		
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T 160(32)</td> <td>CR-5T 160(32)</td> </tr> </table>	CR-5T 160(32)	CR-5T 160(32)
CR-5T 160(32)	CR-5T 160(32)		
31 DSN COVERAGE	<p>14 [D] 0800 - 1240</p> <p>10</p> <p>40</p> <p>0315 65 [D]</p> <p>60 60</p>		
32 DSN COVERAGE	<p>1755 34 [o] 2155</p> <p>40</p>		
S/C 32 INITIAL CONDITIONS RTLT: 24h 38m 40s CCSL: B142 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	<p>1200 RTLT 24h 38m 38s</p> <p>0000 RTLT 24h 38m 36s</p> <p>0000 GYRO INIT</p>		
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T 160(32)</td> </tr> </table>	CR-5T 160(32)	
CR-5T 160(32)			
VGR COVERAGE	ON CALL		
NOTES	[1] S/C 31=GS-4B @ 0126 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: MAR 06 Page 16 of 19 MAR 07			

ISSUE DATE: 02/18/09 21:08



UTC: MAR 07

MAR 08

ISSUE DATE: 02/18/09 21:08

PST:	0	1	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1			
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SUNDAY MARCH 8, 2009 067-068																												
S/C 31 INITIAL CONDITIONS RTLT: 30h 15m 26s CCSL: A070 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLT 30h 15m 24s														█ 0000 RTLT 30h 15m 22s													
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)													
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> 14 [D] ———— 1240 14 0745 </div> <hr/> <div style="display: flex; justify-content: space-between;"> 0810 65 [D] 0230 ———— 65 [D] ———— 0630 </div>																											
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> 1455 ———— 45 [D] ———— 2120 </div>																											
S/C 32 INITIAL CONDITIONS RTLT: 24h 38m 34s CCSL: B142 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	█ 1200 RTLT 24h 38m 32s														█ 0000 RTLT 24h 38m 30s													
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:	MAR 08														MAR 09													

ISSUE DATE: 02/18/09 21:08

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S/C 31 INITIAL CONDITIONS RTLT: 30h 15m 22s CCSL: A070 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	<div style="text-align: center;"> <p>█ 1200 RTLT 30h 15m 20s</p> <p>↓ 1500 GYRO INIT</p> </div>																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	<div style="text-align: center;"> <p>----- 14 ----- 1445</p> <p>..... 10</p> <p>..... 60</p> </div>																								
32 DSN COVERAGE	<div style="text-align: center;"> <p>1450 ----- 45 [D] ----- 2105</p> </div>																								
S/C 32 INITIAL CONDITIONS RTLT: 24h 38m 30s CCSL: B142 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	<div style="text-align: center;"> <p>█ 1200 RTLT 24h 38m 28s</p> </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:	MAR 09												MAR 10												