

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: January 3, 2008

For the Period: 01/03/08 to 01/28/08 (08-003 – 08-028)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (14) 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)
 Jaeger, J.
 Ludwig, R. (2)
 Massey, Ed
 Matsumoto, S.
 Medina
 Poynter, R.
 Weeks, T.
 Wong, R.
 Zottarelli, L.
 *odivers@san.rr.com

OTHER

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

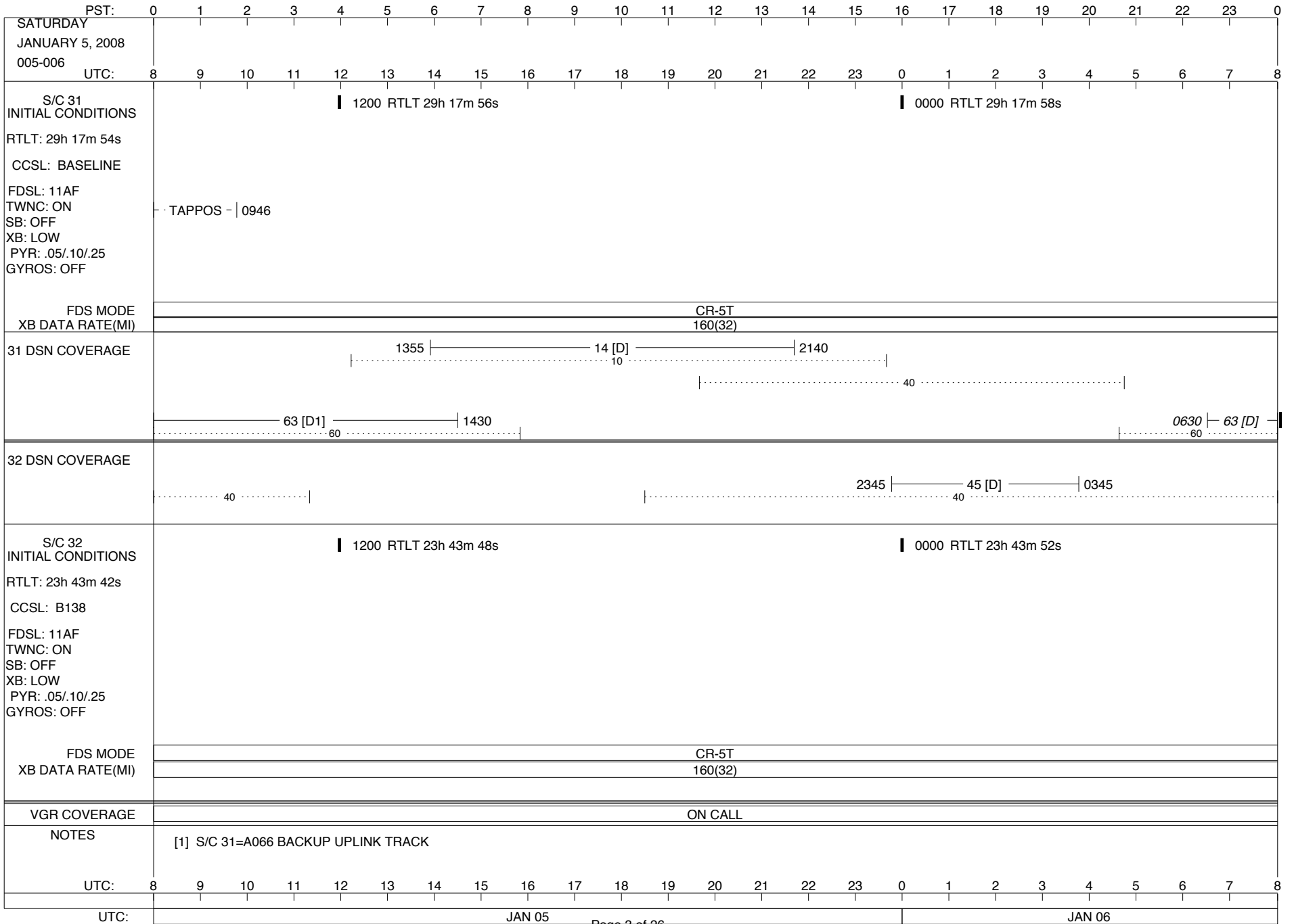
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U =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

*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 08/30/07

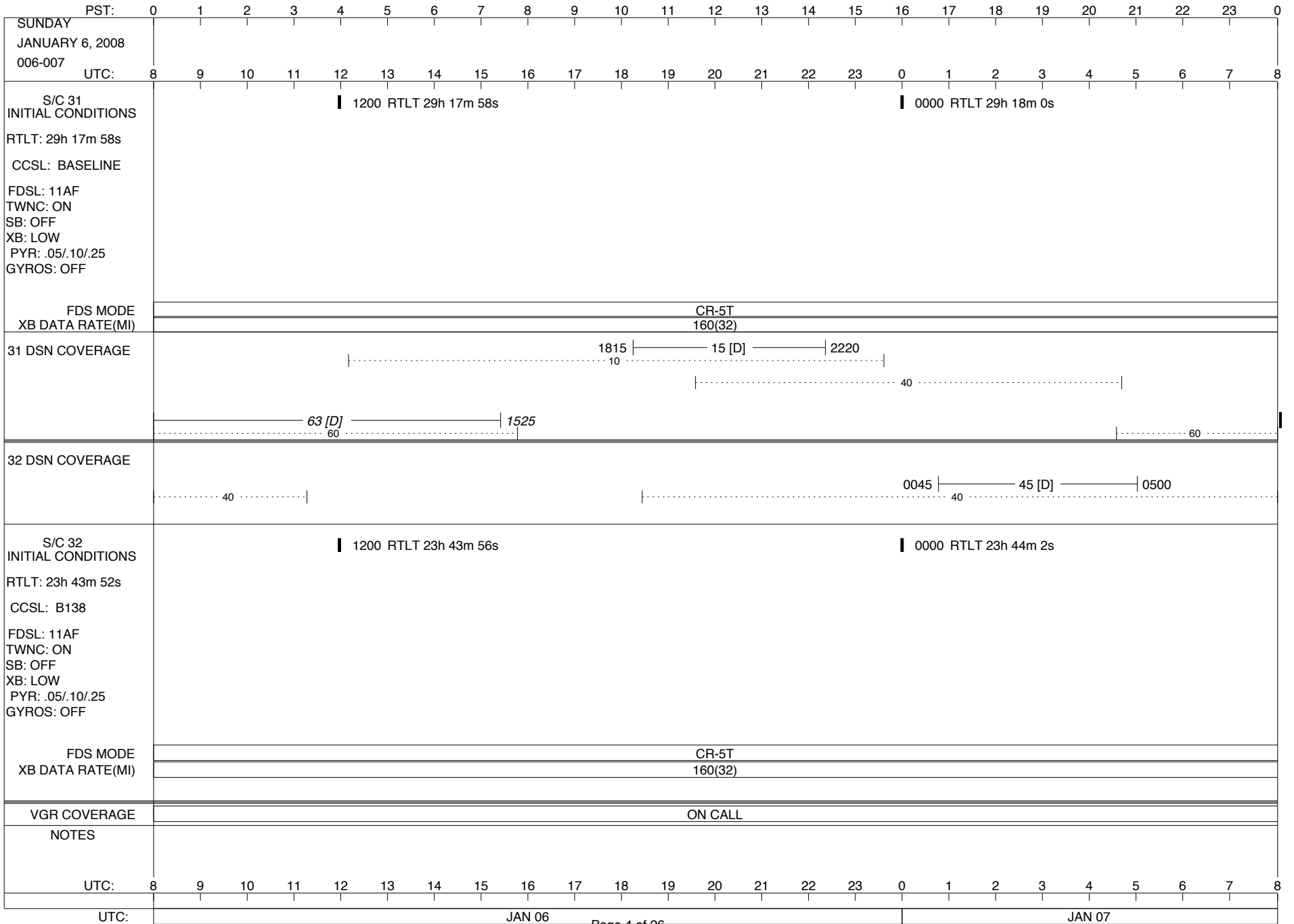
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
THURSDAY JANUARY 3, 2008 003-004	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 29h 17m 48s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 29h 17m 50s												0000 RTLT 29h 17m 52s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1450 ----- 25 [D] ----- 2120 ----- 10 -----												----- 40 -----												
	0915 ----- 65 [D] ----- 1440 ----- 60 -----												0630 ----- 65 [D] ----- ----- 60 -----												
32 DSN COVERAGE	34 [o] ----- 0800 - 0905 ----- ----- 40 -----												0015 ----- 45 [D] ----- 0440 ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 23h 43m 22s CCSL: B138 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 23h 43m 28s												0000 RTLT 23h 43m 32s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 31=EL-40 @ 1334 XB=40(30) [2] S/C 31=CR-5T @ 1417 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:	JAN 03												JAN 04												

ISSUE DATE: 01/10/08 14:52

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 JANUARY 4, 2008 004-005	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: 29h 17m 52s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 29h 17m 54s												0000 RTLT 29h 17m 54s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	65 [D] 1435												63 [D1] 0745												
32 DSN COVERAGE	2110 34 [o] 0320																								
S/C 32 INITIAL CONDITIONS RTLT: 23h 43m 32s CCSL: B138 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 23h 43m 38s												0000 RTLT 23h 43m 42s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[2] S/C 31=GS-4B @ 0521 XB=2.8K(41) NOT RECOVERABLE [1] S/C 31=A066 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:	JAN 04												JAN 05												



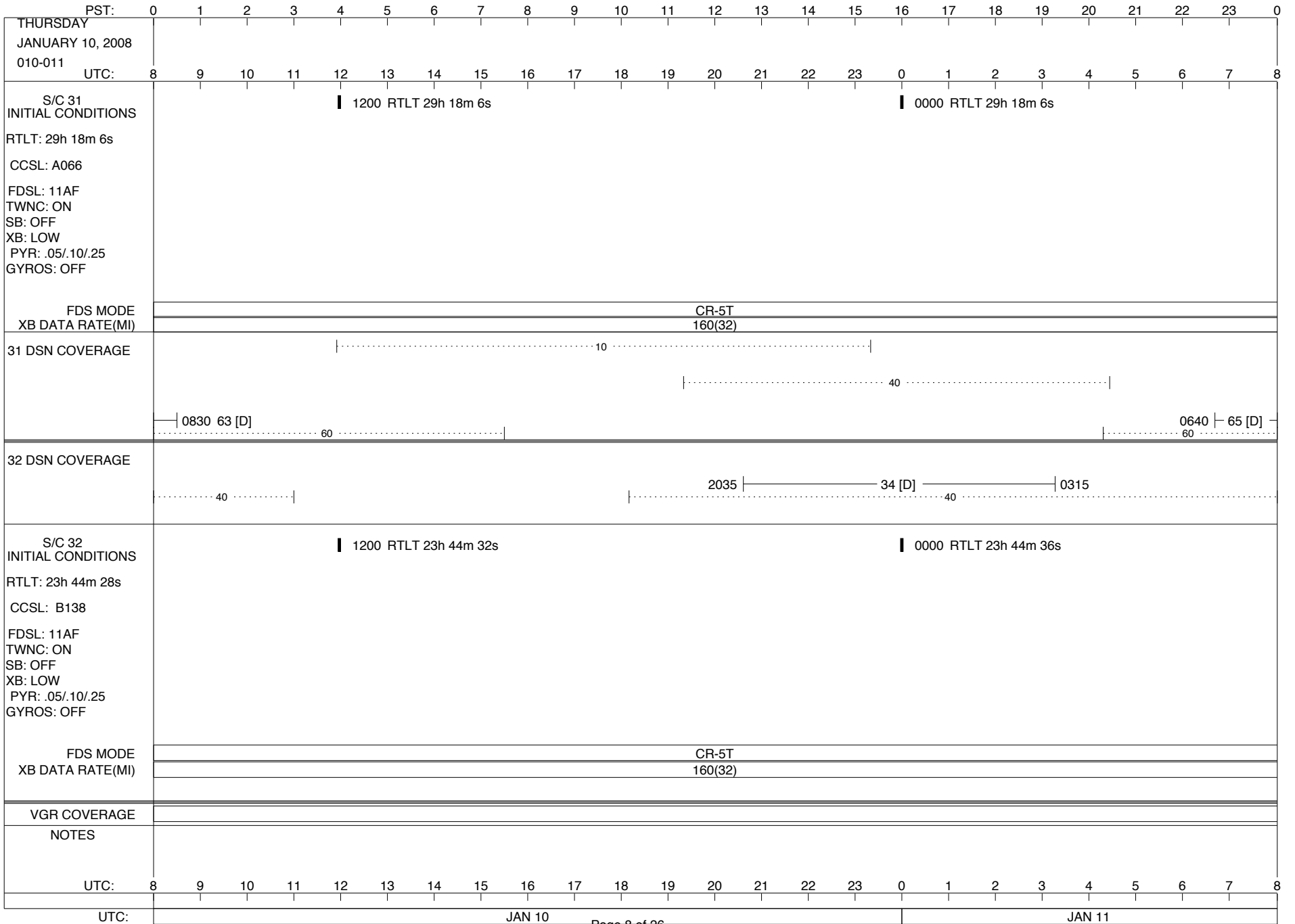
ISSUE DATE: 01/10/08 14:52



ISSUE DATE: 01/10/08 14:52

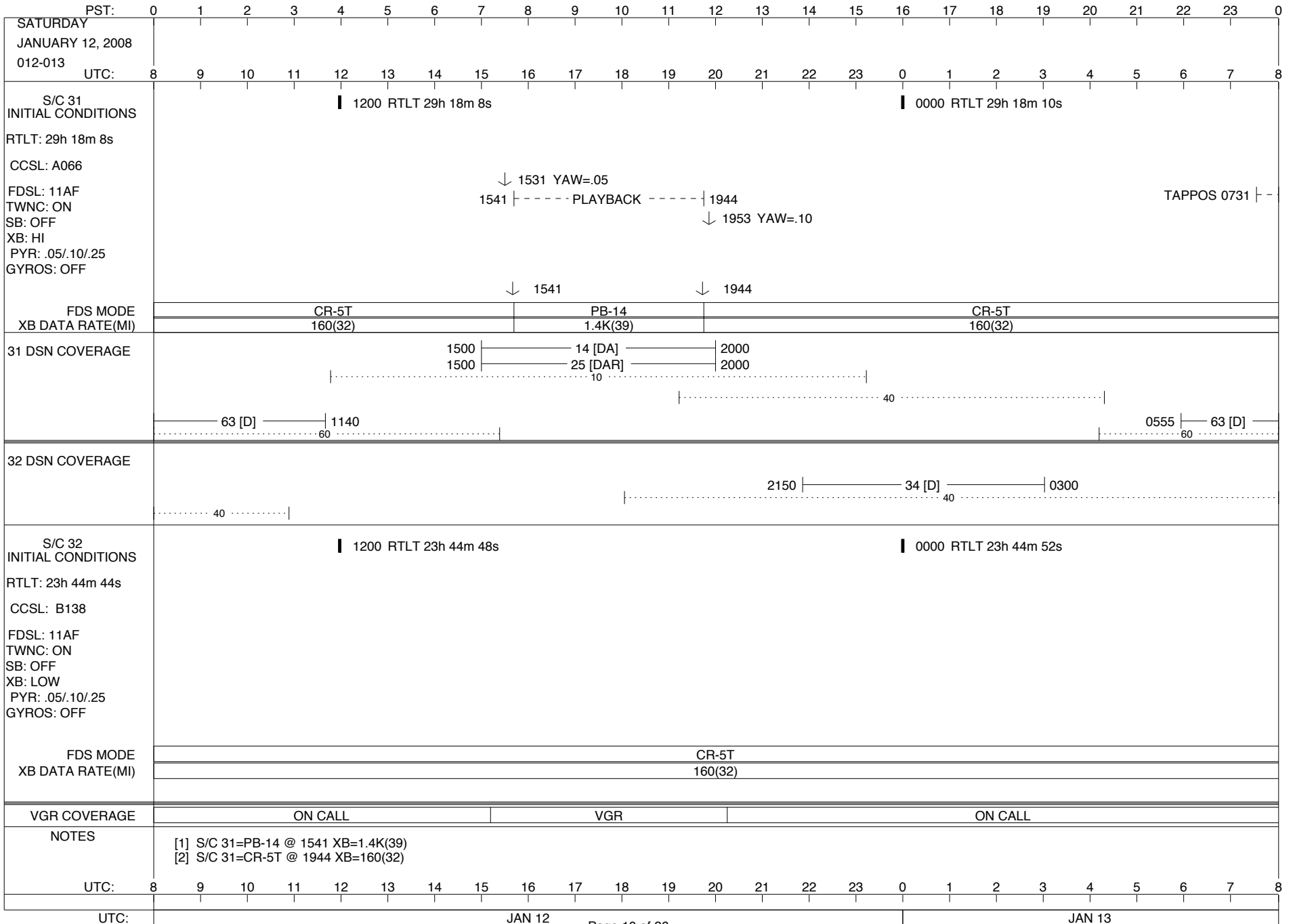
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
TUESDAY JANUARY 8, 2008 008-009	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 29h 18m 2s CCSL: A066 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 29h 18m 2s												0000 RTLT 29h 18m 4s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE10.....40.....												
	65 [D] 1035											60.....60.....												
32 DSN COVERAGE	45 [D] 1035												2340 43 [H] 0710												
40.....40.....												
S/C 32 INITIAL CONDITIONS RTLT: 23h 44m 10s CCSL: B138 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 23h 44m 16s												0000 RTLT 23h 44m 20s												
													▼ 0015 DUMMY (23:59)												
													0016 PLSCAL - 0159												
													0016 --- MAGCAL --- 0319												
													0016 --- PESCAL --- 0336												
													▼ 0029 EL-40 (00:13)												
													▼ 0050 CCSL B138C (00:35)												
													▼ 0129 CR-5T (01:13)												
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 @ 2257 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:	JAN 08												Page 6 of 26				JAN 09								

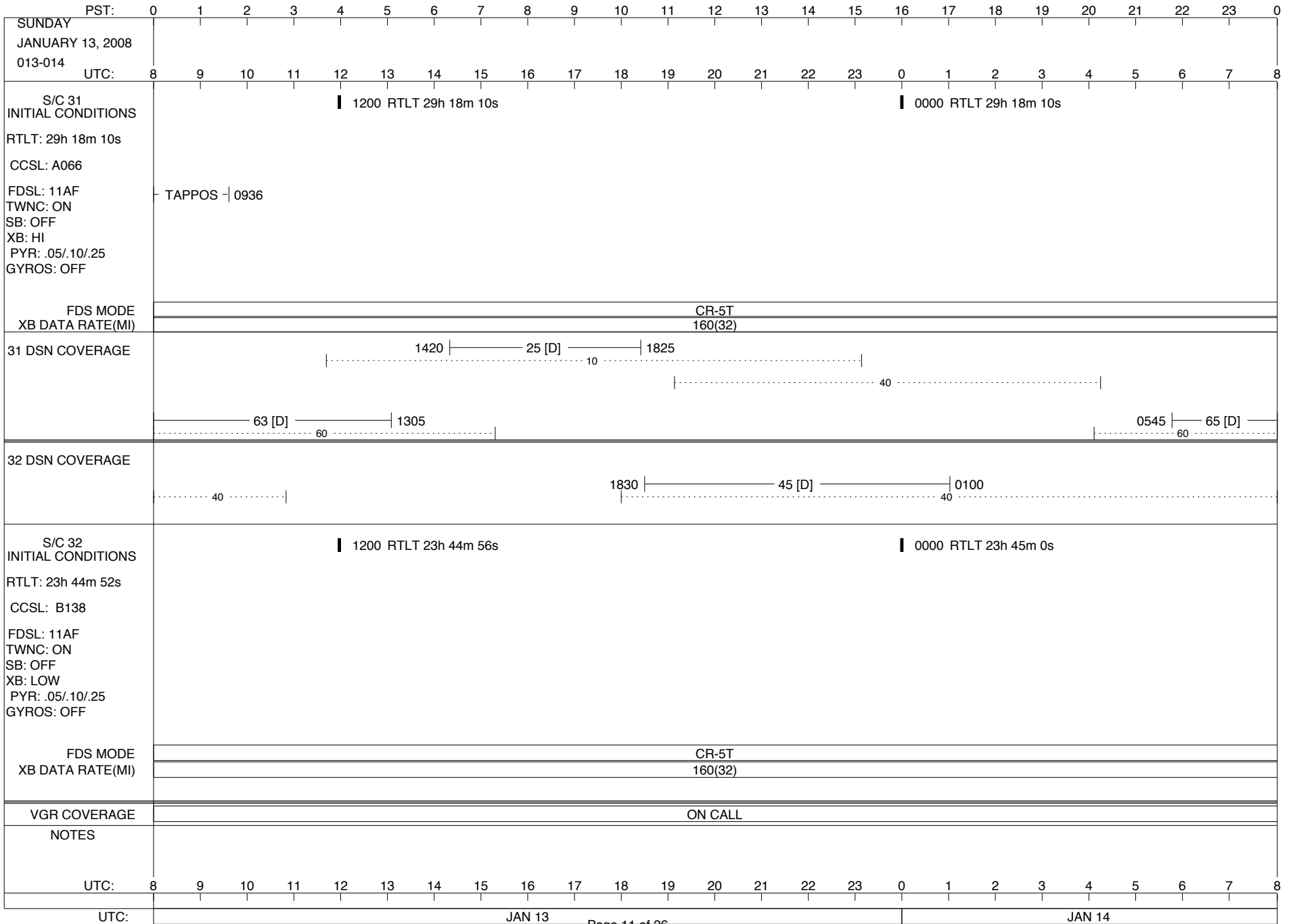
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
WEDNESDAY JANUARY 9, 2008 009-010																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLTL: 29h 18m 4s CCSL: A066 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 29h 18m 4s														█ 0000 RTLTL 29h 18m 6s													
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
31 DSN COVERAGE	1420 ----- 15 [D] ----- 1845 ----- 10 ----- ----- 40 -----														65 [D] ----- 0815 - 1345 ----- 60 -----													
32 DSN COVERAGE ----- 40 -----														2050 - 0740 ----- 34 [D] ----- ----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLTL: 23h 44m 20s CCSL: B138 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 23h 44m 24s														█ 0000 RTLTL 23h 44m 28s													
FDS MODE															* 0049 0054 B138C CCS CHKSUM													
XB DATA RATE(MI)	CR-5T														EL-40				CR-5T									
	160(32)														40(30)				160(32)									
VGR COVERAGE	ON CALL														VGR													
NOTES	[1] S/C 32=EL-40 @ 0014 XB=40(30) [2] S/C 32=CR-5T @ 0114 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:	JAN 09														JAN 10													

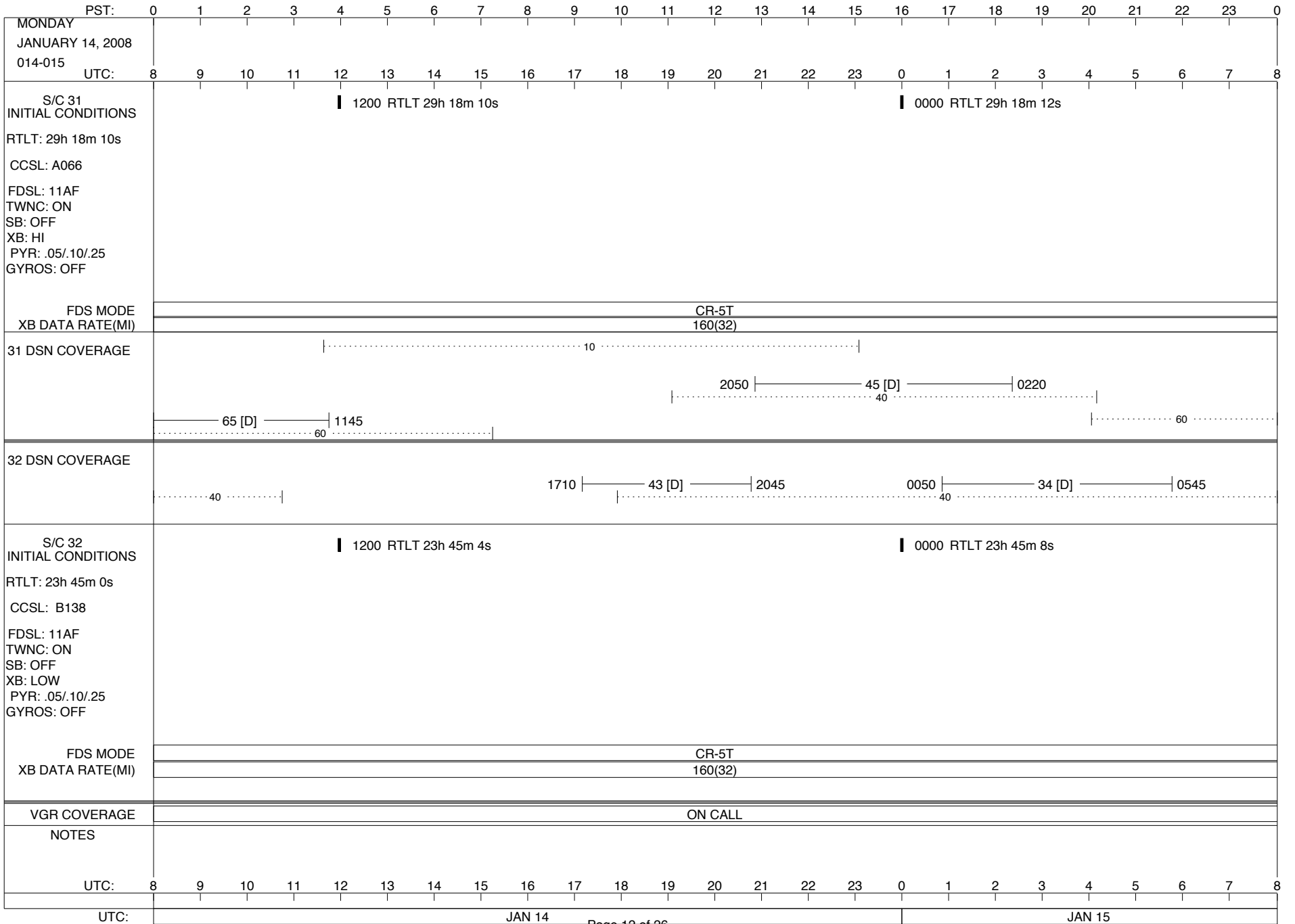


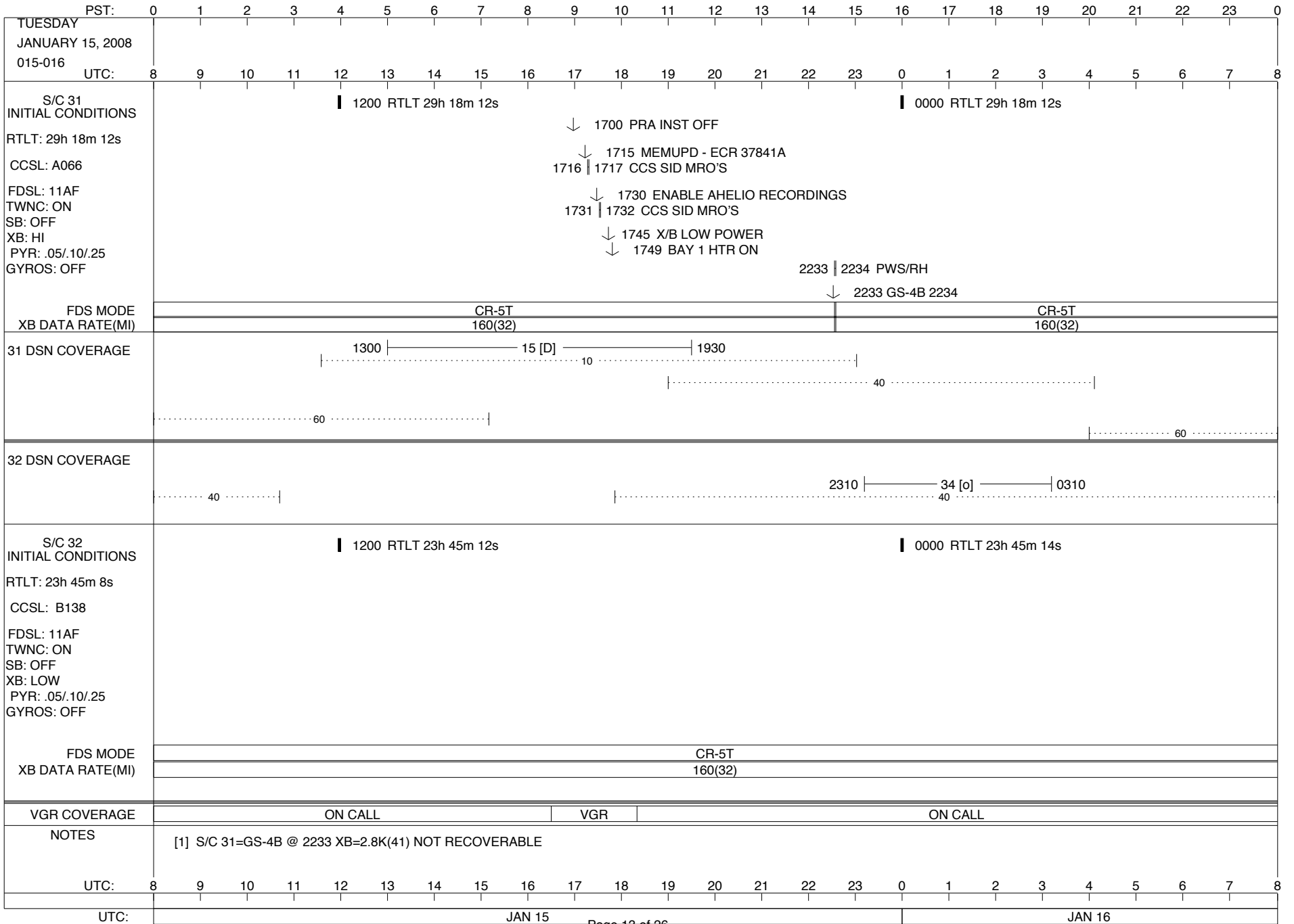
ISSUE DATE: 01/10/08 14:52

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																													
JANUARY 11, 2008																													
011-012																													
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 29h 18m 8s												0000 RTLT 29h 18m 8s															
RTLT: 29h 18m 6s		1331 1332 TAPPOS																											
CCSL: A066														↓ 1515 BAY 1 HTR OFF															
														↓ 1519 X/B HI POWER															
FDSL: 11AF														↓ 1531 YAW=.05															
TWNC: ON														1541 -----PLAYBACK----- 1942															
SB: OFF														↓ 1952 YAW=.10															
XB: LOW														2131 2145 TAPPOS															
PYR: .05/10/25														↓ 1541															
GYROS: OFF														↓ 1942															
FDS MODE		CR-5T												PB-14						CR-5T									
XB DATA RATE(MI)		160(32)												1.4K(39)						160(32)									
31 DSN COVERAGE		1150 -----14 [DA]----- 2330																											
		-----1500----- 25 [DAR]----- 2000																											
		-----10-----																											
		-----65 [D]----- 1210																											
		-----60-----																											
32 DSN COVERAGE														2030 -----34 [D]----- 2255															
														-----40-----															
														2235 -----43 [D3]----- 0250															
														-----40-----															
S/C 32 INITIAL CONDITIONS		1200 RTLT 23h 44m 40s												0000 RTLT 23h 44m 44s															
RTLT: 23h 44m 36s																													
CCSL: B138																													
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														VGR						ON CALL									
NOTES		[1] S/C 31=PB-14 @ 1541 XB=1.4K(39) [2] S/C 31=CR-5T @ 1942 XB=160(32) [3] S/C 32=B138 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:		JAN 11												Page 9 of 26						JAN 12									



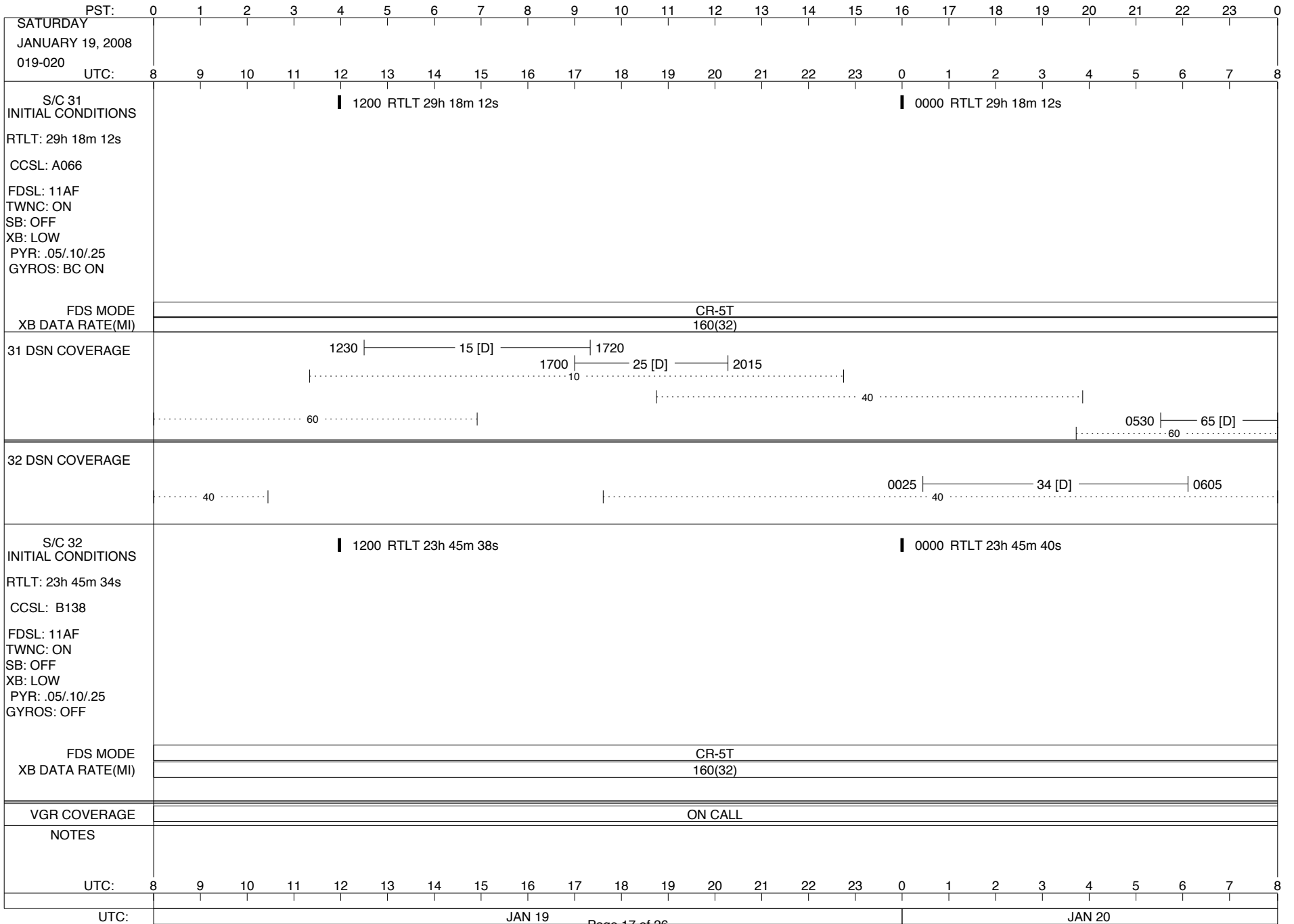


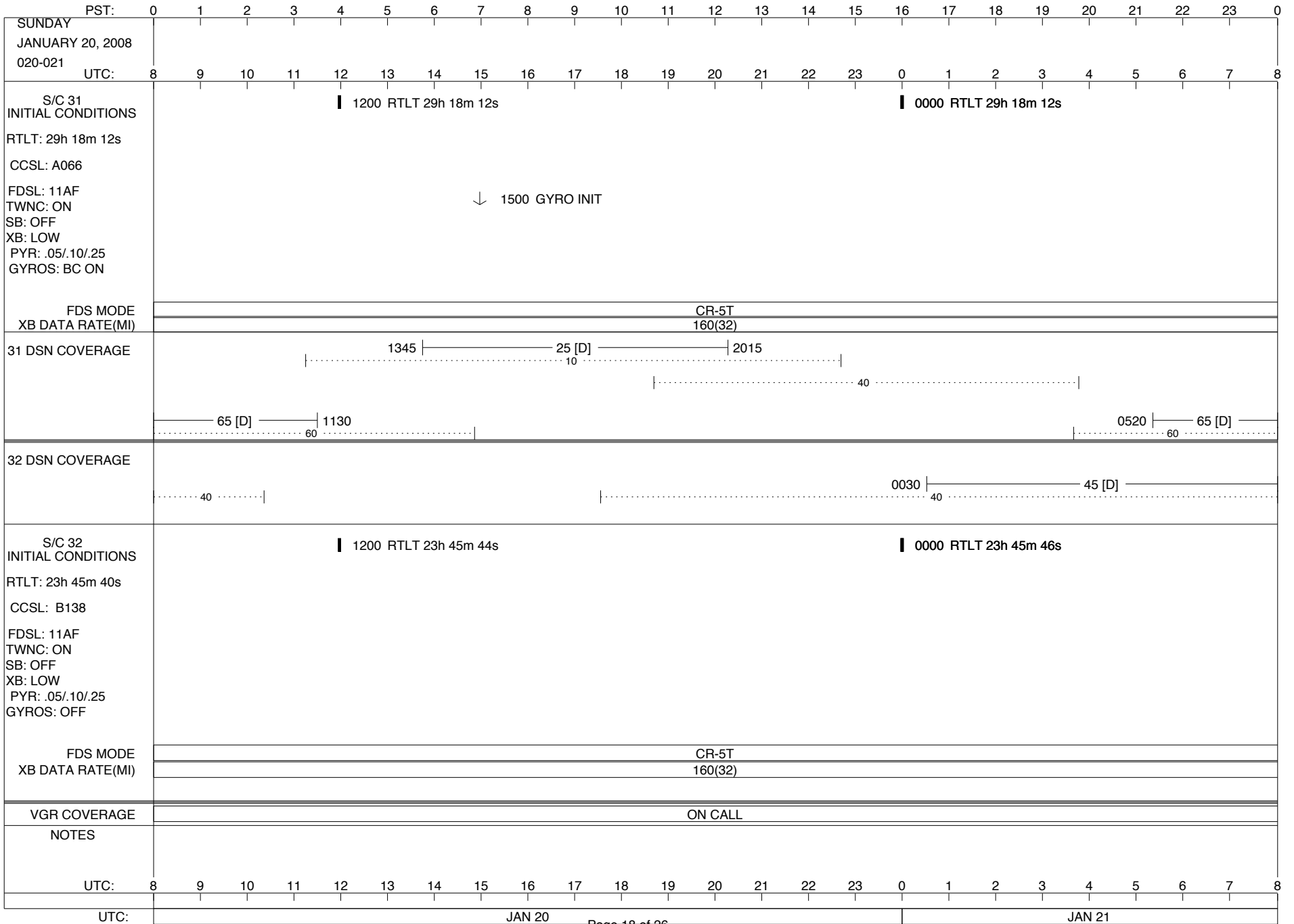




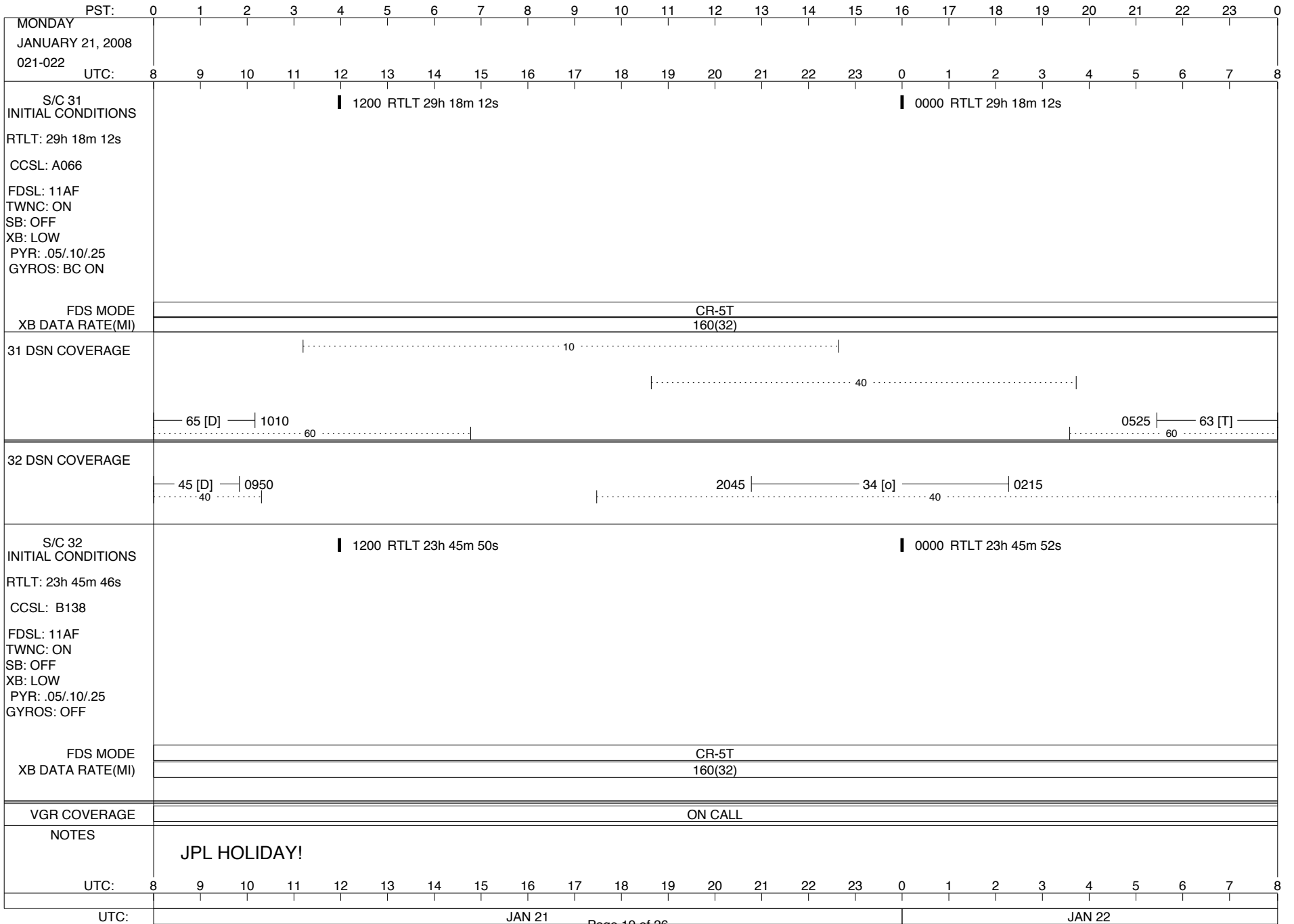
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
WEDNESDAY JANUARY 16, 2008 016-017																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 29h 18m 12s CCSL: A066 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200																				
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 23h 45m 14s CCSL: B138 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200																				
FDS MODE XB DATA RATE(MI)																									
VGR COVERAGE																									
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:	JAN 16													JAN 17											

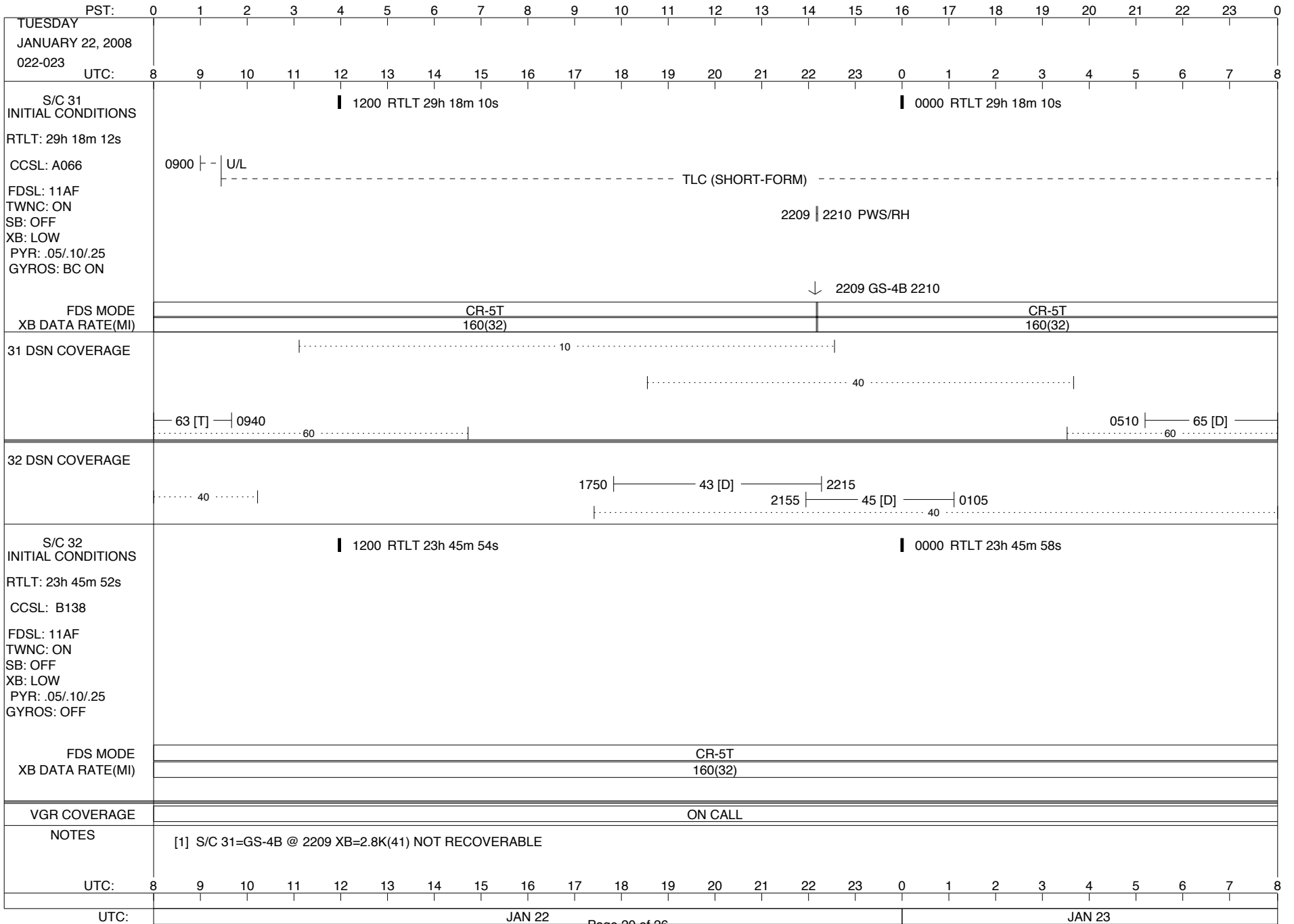
PST:		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
FRIDAY JANUARY 18, 2008 018-019																													
UTC:		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS		█ 1200 RTLT 29h 18m 12s														█ 0000 RTLT 29h 18m 12s													
RTLT: 29h 18m 12s																													
CCSL: A066		----- TLC (LONG-FORM) -----														+ D/L - 1841													
FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON																0131 - 0159 TAPPOS													
																0433 0434 PWS/RH													
																TAPPOS 0640 - 0655													
																↓ 0433 GS-4B 0434													
FDS MODE		CR-5T														CR-5T													
XB DATA RATE(MI)		160(32)														160(32)													
31 DSN COVERAGE		<p>1445 ----- 26 [D] ----- 1920</p> <p>----- 10 -----</p> <p>----- 40 -----</p> <p>65 [D] ----- 0940 -----</p> <p>----- 60 -----</p>																											
32 DSN COVERAGE		<p>----- 40 -----</p> <p>1715 ----- 43 [B] ----- 0515</p> <p>----- 40 -----</p>																											
S/C 32 INITIAL CONDITIONS		█ 1200 RTLT 23h 45m 32s														█ 0000 RTLT 23h 45m 34s													
RTLT: 23h 45m 28s																													
CCSL: B138																													
FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF																▼ 0112 DUMMY (5 MIN BRACKETED 00:58)													
FDS MODE		CR-5T																											
XB DATA RATE(MI)		160(32)																											
VGR COVERAGE																VGR							ON CALL						
NOTES		[1] S/C 31=GS-4B @ 0433 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:		JAN 18														JAN 19													





ISSUE DATE: 01/10/08 14:52





ISSUE DATE: 01/10/08 14:52

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
JANUARY 23, 2008
023-024

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: 29h 18m 10s
CCSL: A066
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/10/25
GYROS: BC ON

1200 RTLTL 29h 18m 10s

0000 RTLTL 29h 18m 10s

TLC (SHORT-FORM) - - - - - + - | 1512 D/L

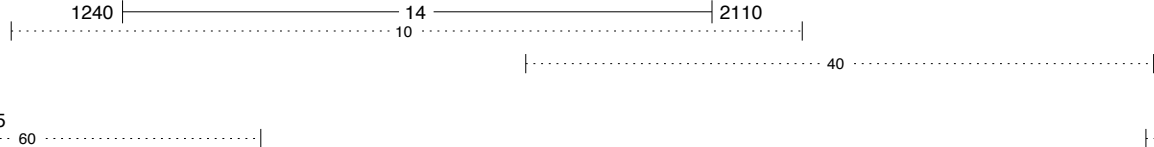
↓ 1500 GYRO INIT

▼ 1800 DUMMY (23:18)

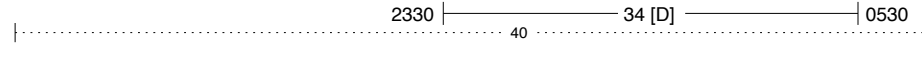
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 23h 45m 58s
CCSL: B138
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/10/25
GYROS: OFF

1200 RTLTL 23h 46m 0s

0000 RTLTL 23h 46m 2s

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:

JAN 23

JAN 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 JANUARY 24, 2008 024-025																										
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: 29h 18m 10s CCSL: A066 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON					█ 1200																█ 0000					
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLTL: 23h 46m 2s CCSL: B138 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200																█ 0000					
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:	JAN 24													JAN 25												

ISSUE DATE: 01/10/08 14:52

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 JANUARY 25, 2008 025-026																																				
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: 29h 18m 8s CCSL: A066 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON		█ 1200 RTLTL 29h 18m 8s												█ 0000 RTLTL 29h 18m 8s																						
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)												CR-5T 160(32)																						
31 DSN COVERAGE																																				
32 DSN COVERAGE																																				
S/C 32 INITIAL CONDITIONS RTLTL: 23h 46m 8s CCSL: B138 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		█ 1200 RTLTL 23h 46m 10s												█ 0000 RTLTL 23h 46m 12s																						
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)												CR-5T 160(32)																						
VGR COVERAGE		ON CALL							VGR							ON CALL							VGR							ON CALL						
NOTES		[1] S/C 31=GS-4B @ 0409 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:		JAN 25														JAN 26																				

