

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: April 9, 2008

For the Period: 04/10/08 to 04/28/08 (08-101 – 08-119)

**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@jhuapl.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**

\* 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 = 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: 04/09/08 14:28

PDT:	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 APRIL 10, 2008 101-102	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 29h 13m 52s CCSL: A066 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 29h 13m 50s												0000 RTLT 29h 13m 50s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	0905  ----- 25 [D] -----  1500 ..... ----- 10 -----   ----- 40 -----												0115  ----- 63 [D] -----  0545 ..... ----- 60 -----													
32 DSN COVERAGE	----- 40 -----												2240  ----- 45 [D] -----  0355 ..... ----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLTL: 23h 43m 18s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 23h 43m 14s												0000 RTLT 23h 43m 12s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE	ON CALL																									
NOTES																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
UTC:	APR 10													APR 11												

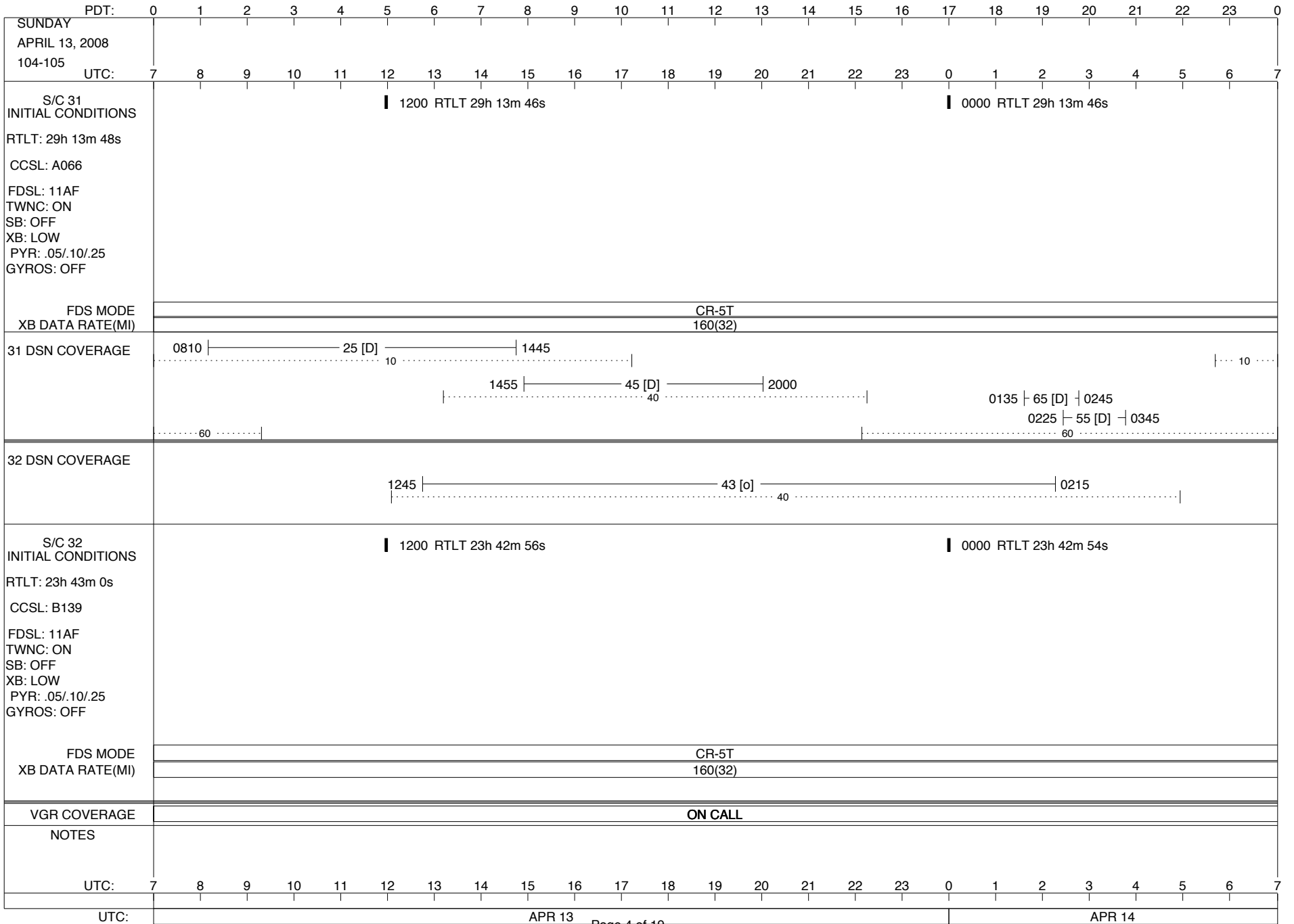
ISSUE DATE: 04/09/08 14:28

PDT: 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 APRIL 11, 2008 102-103	UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7
S/C 31 INITIAL CONDITIONS RTLTL: 29h 13m 50s CCSL: A066 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 29h 13m 50s</p> <p>0000 RTLT 29h 13m 48s</p> <p>2041   2041 TAPPOS</p> <p>2343   2344 PWS/RH</p> <p>0150   0205 TAPPOS</p> <p>↓ 2343 GS-4B 2344</p>
FDS MODE XB DATA RATE(MI)	<p>CR-5T 160(32)</p> <p>CR-5T 160(32)</p>
31 DSN COVERAGE	<p>0915   26 [D]   1400</p> <p>1405   43 [D]   1645</p> <p>0230   55 [D]   0530</p>
32 DSN COVERAGE	<p>1240   45 [D]   1925</p>
S/C 32 INITIAL CONDITIONS RTLTL: 23h 43m 12s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 23h 43m 8s</p> <p>0000 RTLT 23h 43m 6s</p>
FDS MODE XB DATA RATE(MI)	<p>CR-5T 160(32)</p>
VGR COVERAGE	ON CALL
NOTES	[1] S/C 31=GS-4B @ 2343 XB=2.8K(41) NOT RECOVERABLE
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7	
UTC:	APR 11   APR 12

ISSUE DATE: 04/09/08 14:28

PDT:	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 APRIL 12, 2008 103-104	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 29h 13m 48s CCSL: A066 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 29h 13m 48s												0000 RTLTL 29h 13m 48s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	0810   25 [D]   0930 0910   26 [D]   1355												2350   65 [D]   0250 0230   55 [D]   0345													
32 DSN COVERAGE	1555   45 [D]   0235																									
S/C 32 INITIAL CONDITIONS RTLTL: 23h 43m 6s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 23h 43m 2s												0000 RTLTL 23h 43m 0s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE													ON CALL													
NOTES																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
UTC:	APR 12													APR 13												

ISSUE DATE: 04/09/08 14:28







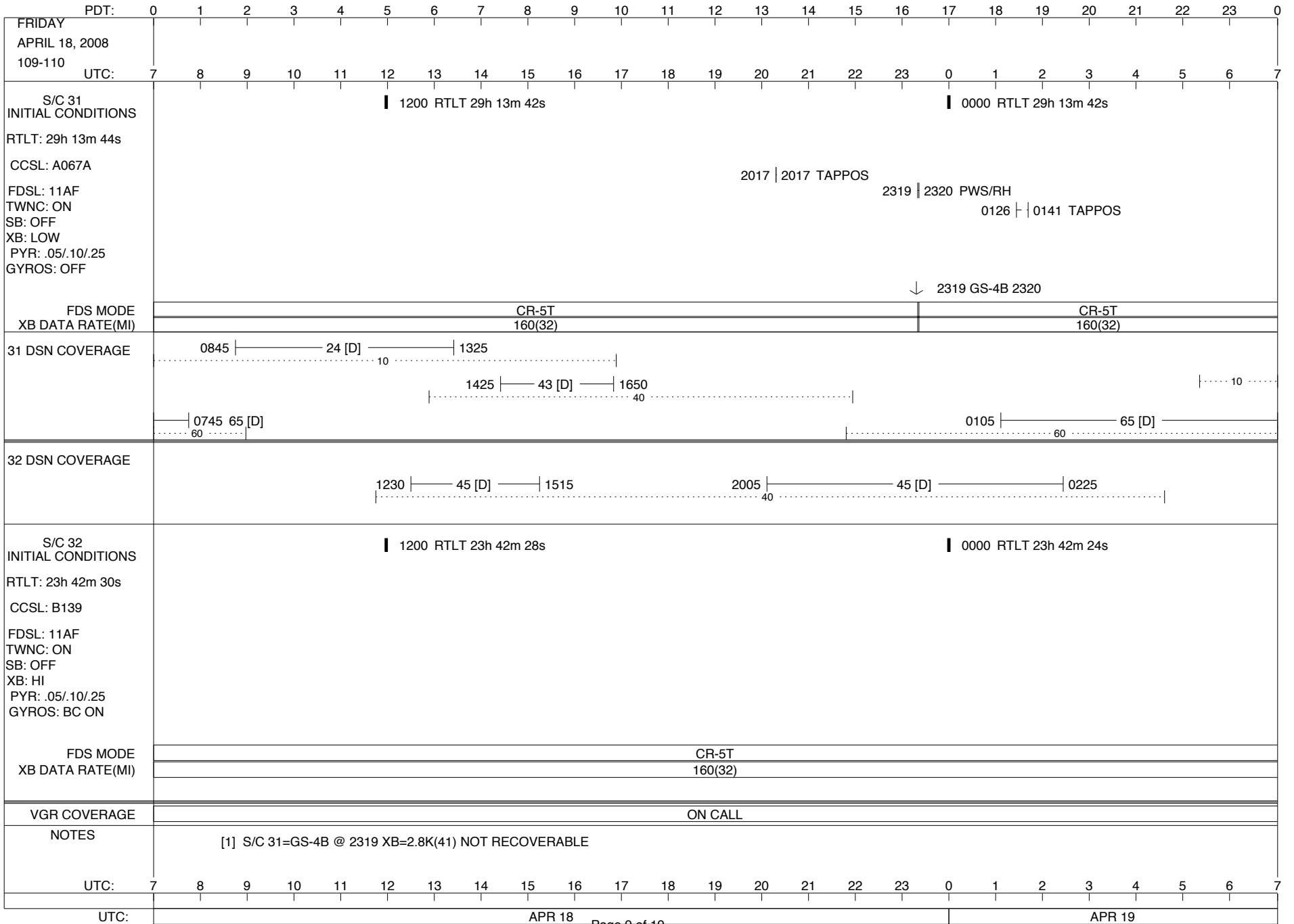
ISSUE DATE: 04/09/08 14:28

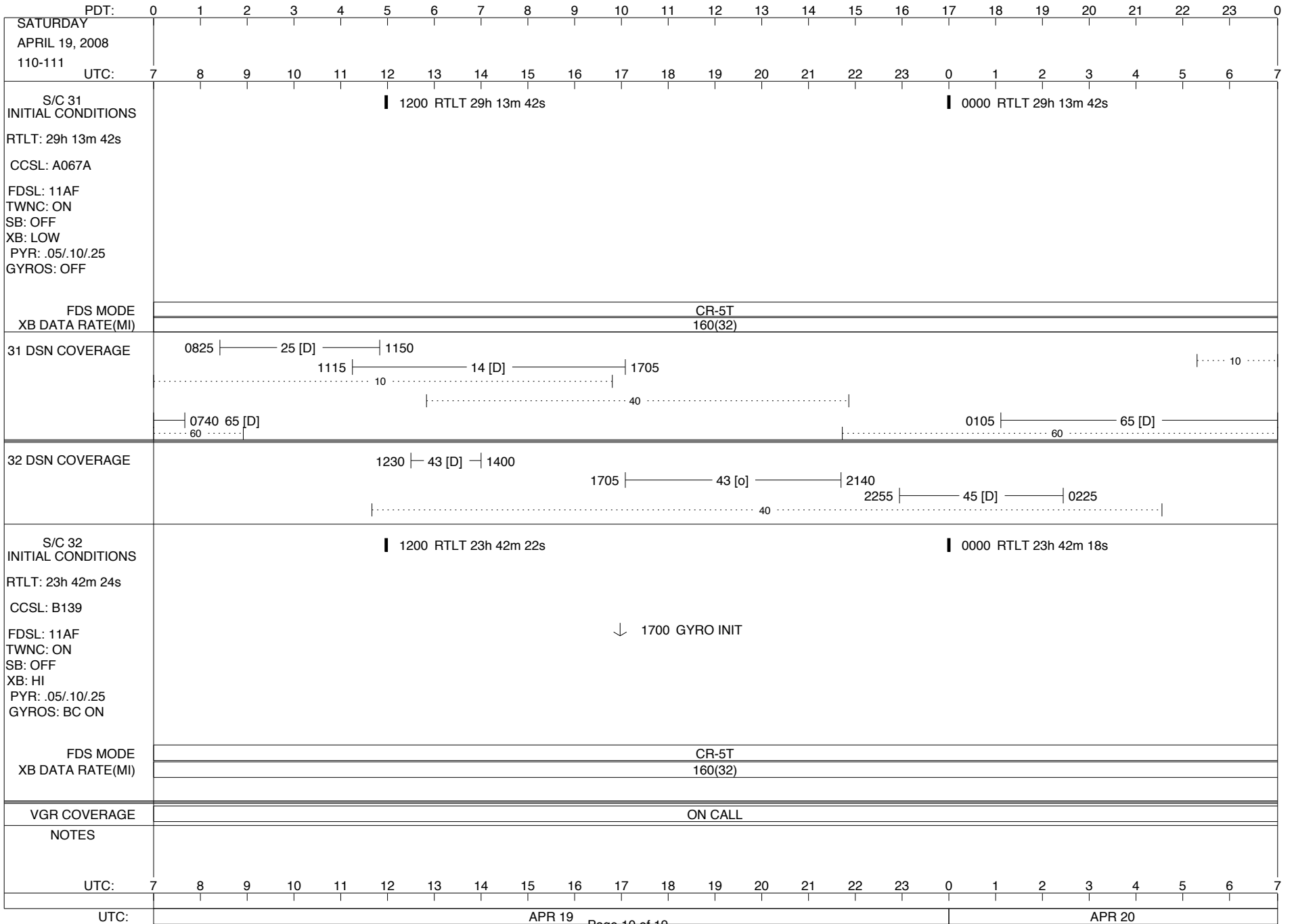
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
WEDNESDAY APRIL 16, 2008 107-108																												
S/C 31 INITIAL CONDITIONS RTLTL: 29h 13m 44s CCSL: A067A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 29h 13m 44s														0000 RTLTL 29h 13m 44s													
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)													
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLTL: 23h 42m 42s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 23h 42m 40s														0000 RTLTL 23h 42m 36s													
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)													
VGR COVERAGE	ON CALL														VGR							ON CALL						
NOTES	<p>----- COMMAND MORATORIUM -----</p> <p>↓ 1645 BAY 1 HTR OFF</p> <p>↓ 1649 X/B HI POWER</p> <p>↓ 1700 GYROS BC ON</p> <p>↓ 1701 GYRO INIT</p> <p>↓ 1710 GYRO FAULT TEST</p>																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
UTC:	APR 16														APR 17													





ISSUE DATE: 04/09/08 14:28



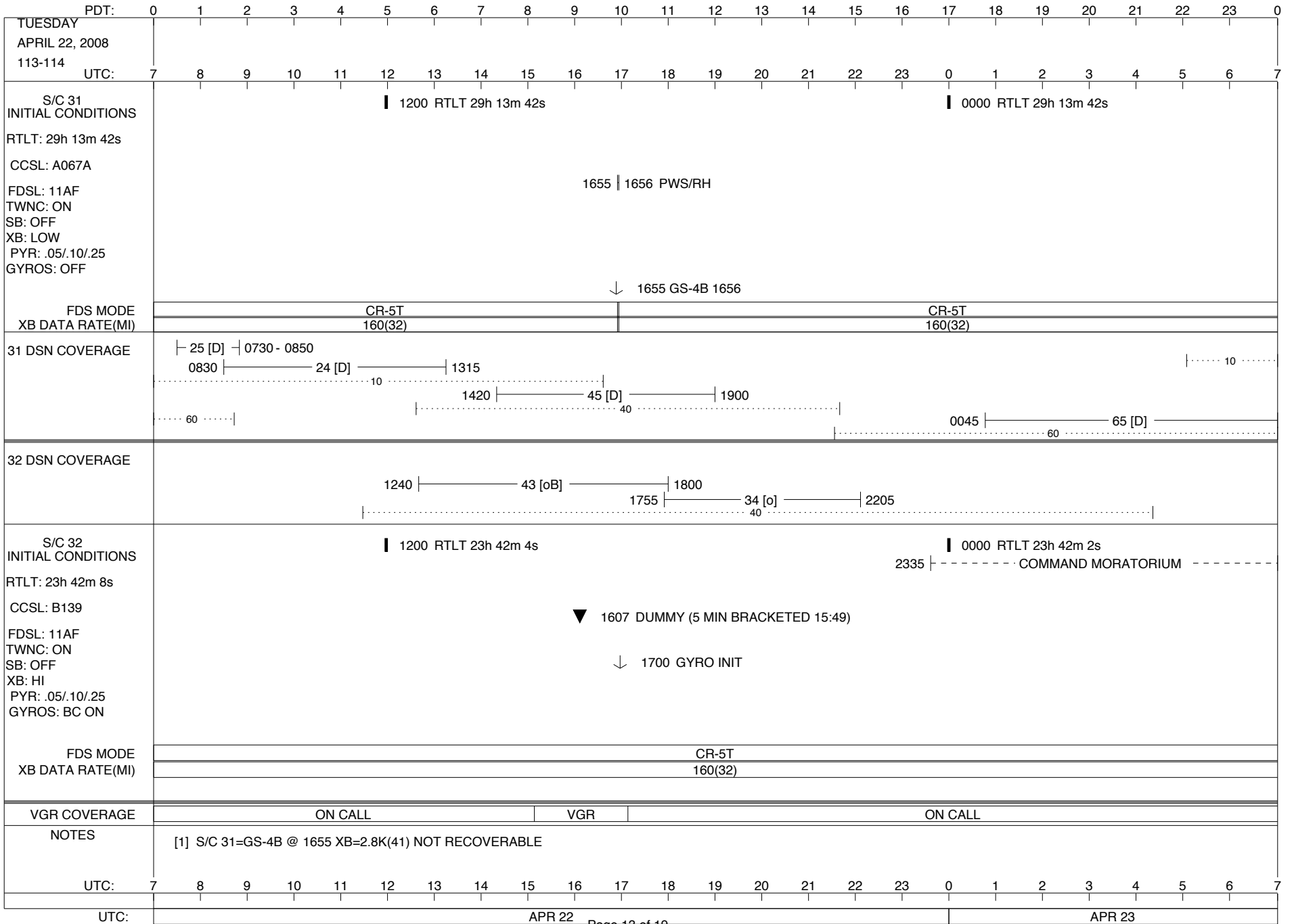


PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
SUNDAY APRIL 20, 2008 111-112	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLT: 29h 13m 42s CCSL: A067A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 29h 13m 42s												0000 RTLT 29h 13m 42s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	0835  ----- 24 [D] -----  1320  ----- 10 -----   ----- 40 -----												----- 10 -----															
	0705 65 [D]    ----- 60 -----																		0105  ----- 63 [D] -----   ----- 60 -----									
32 DSN COVERAGE	1220  --- 45 [D] ---  1420  ----- 1415 -----												43 [o] -----  0240  ----- 40 -----															
S/C 32 INITIAL CONDITIONS RTLT: 23h 42m 18s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 23h 42m 16s												0000 RTLT 23h 42m 14s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE													ON CALL															
NOTES																												
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
UTC:	APR 20														APR 21													

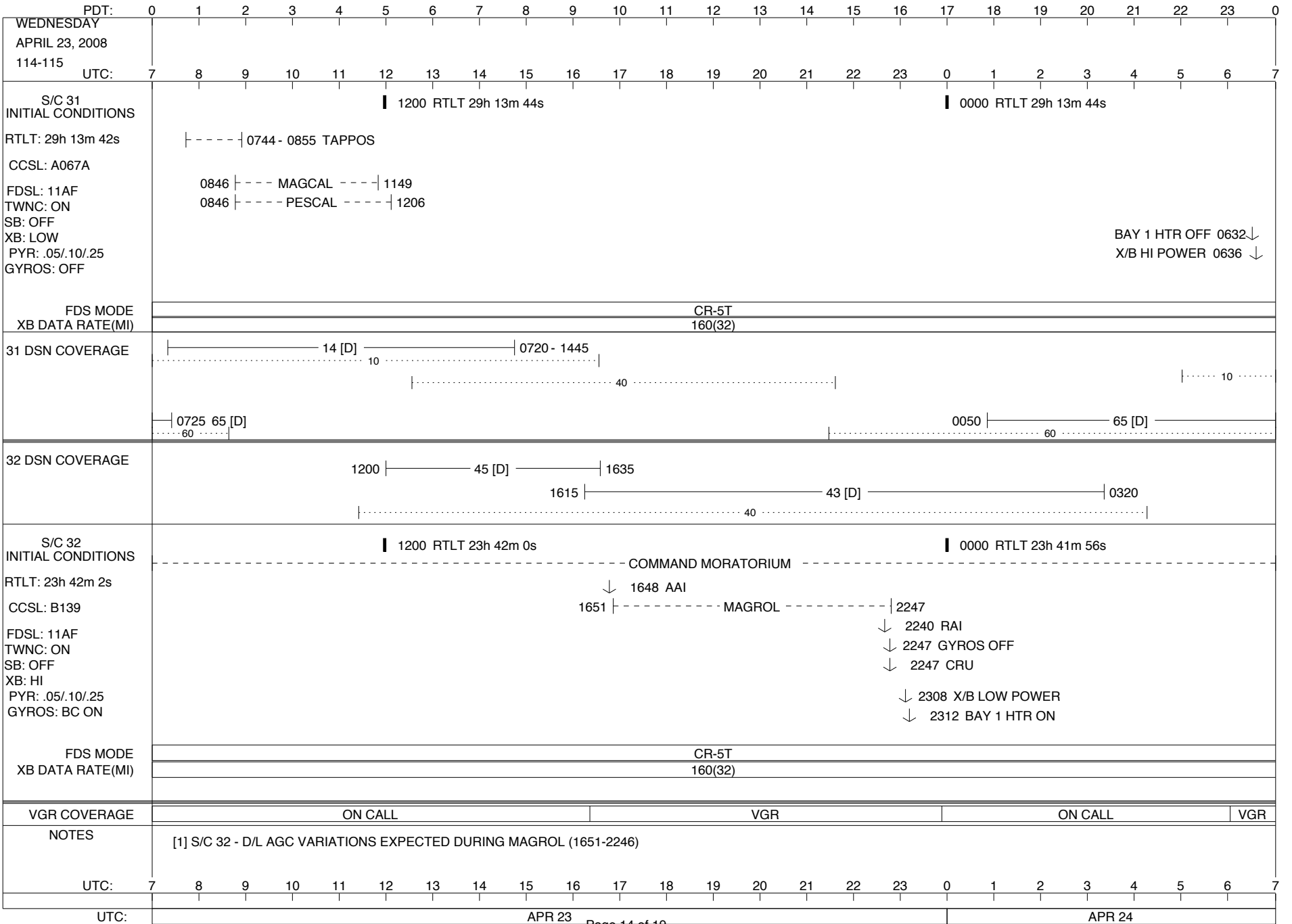
ISSUE DATE: 04/09/08 14:28

PDT:	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 APRIL 21, 2008 112-113																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 29h 13m 42s CCSL: A067A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF																										
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	0915  ----- 25 [D] -----  1210 .....10.....												1515  --- 45 [D] ---  1655 .....40.....													
	63 [D] -----  0935 .....60.....												.....60.....													
32 DSN COVERAGE	1235  --- 45 [D] ---  1430 1410  ----- 43 [D] -----  1700												1640  --- 34 [D] ---  1825 .....40.....													
S/C 32 INITIAL CONDITIONS RTLTL: 23h 42m 14s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON																										
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
UTC:	APR 21													APR 22												

ISSUE DATE: 04/09/08 14:28



ISSUE DATE: 04/09/08 14:28



ISSUE DATE: 04/09/08 14:28

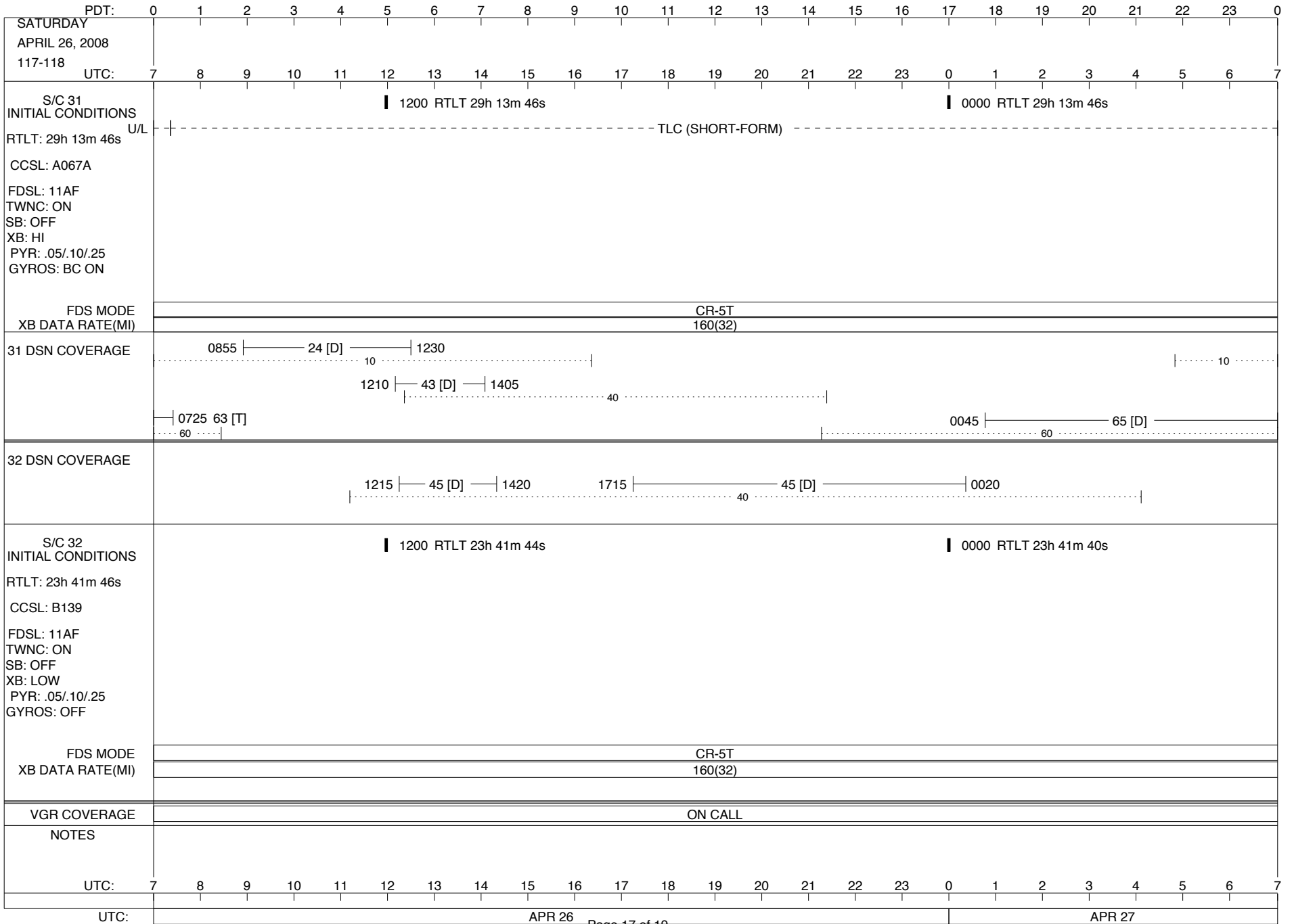
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	
THURSDAY APRIL 24, 2008 115-116																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 29h 13m 44s CCSL: A067A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 29h 13m 44s												0000 RTLTL 29h 13m 44s													
	↓ 0732 YAW=.05												TAPPOS 0604    0607													
	-----PLAYBACK-----  0741 - 1416												GYROS BC ON 0625 ↓													
	↓ 1430 YAW=.10												GYRO INIT 0626 ↓													
	↓ 0741												↓ 1416													
FDS MODE	PB-14												CR-5T													
XB DATA RATE(MI)	1.4K(39)												160(32)													
31 DSN COVERAGE	-----14 [DA]-----  0730 - 1425												-----10-----													
	-----25 [DAR]-----  0730 - 1425												-----40-----													
	-----10-----												0050  -----65 [D]-----													
	-----60-----  0720 65 [D]												-----60-----  63 [D] 0655													
32 DSN COVERAGE	-----45 [D]-----  1415												-----40-----  1915													
S/C 32 INITIAL CONDITIONS RTLTL: 23h 41m 56s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 23h 41m 54s												0000 RTLTL 23h 41m 52s													
	-----COMMAND MORATORIUM-----												2330													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
VGR COVERAGE	VGR												ON CALL													
NOTES	[1] S/C 31=PB-14 @ 0741 XB=1.4K(39)																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
UTC:	APR 24												APR 25													



ISSUE DATE: 04/09/08 14:28

PDT:	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			
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
FRIDAY APRIL 25, 2008 116-117																												
S/C 31 INITIAL CONDITIONS RTLT: 29h 13m 44s CCSL: A067A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 29h 13m 44s												TAPPOS 1953   2006						0000 RTLT 29h 13m 46s						U/L 0655			
FDS MODE	CR-5T												PWS/RH 2255   2256						TAPPOS 0102   0103									
XB DATA RATE(MI)	160(32)																											
31 DSN COVERAGE	<p>0900  ----- 25 [D] -----  1400</p> <p>----- 10 ----- ----- 10 -----</p> <p>  0715 65 [D]  ----- 1525  ----- 45 [D] -----  1655</p> <p>----- 40 ----- ----- 40 -----</p> <p>  63 [D]  ----- 0920</p> <p>----- 60 ----- ----- 60 -----</p> <p>2330  ----- 65 [D] -----  0115</p> <p>----- 0110 ----- ----- 63 [T] -----</p> <p>----- 60 ----- ----- 60 -----</p>																											
32 DSN COVERAGE	<p>1215  ----- 45 [D] -----  1440</p> <p>----- 1420 ----- ----- 43 [D] -----  1640</p> <p>----- 40 ----- ----- 40 -----</p> <p>1950  ----- 43 [D] -----  0335</p> <p>----- 40 ----- ----- 40 -----</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 23h 41m 52s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 23h 41m 48s																		0000 RTLT 23h 41m 46s									
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL																		VGR									
NOTES	[1] S/C 31=GS-4B @ 2255 XB=2.8K(41) NOT RECOVERABLE																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
UTC:	APR 25														APR 26													

ISSUE DATE: 04/09/08 14:28



ISSUE DATE: 04/09/08 14:28

PDT:	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	1	2	3	4	5	6	7		
SUNDAY APRIL 27, 2008 118-119																																		
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7									
S/C 31 INITIAL CONDITIONS RTLT: 29h 13m 46s CCSL: A067A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 29h 13m 46s TLC (SHORT-FORM) -----  D/L -  1337 * 0806 EL-40 * ↓ 1031 EL-40 * 0822 TLMPRG * ↓ 1103    1107 A067B CCS CHKSUM * 0841 CR-5T * ↓ 1128    1129 CCS SID MRO'S * 1131 CR-5T														0000 RTLT 29h 13m 48s																			
FDS MODE	CR-5T	CR-5T	EL-40																									CR-5T						
XB DATA RATE(MI)	160(32)	160(32)	40(30)																									160(32)						
31 DSN COVERAGE	0750  ----- 25 [D] -----  1350 ..... ----- 10 -----  ..... ----- 40 -----														0035  ----- 65 [D] -----  0545 ..... ----- 60 -----																			
32 DSN COVERAGE	1210  ----- 45 [D] -----  2020 ..... ----- 40 -----														2335  ----- 43 [D] -----  0205 ..... ----- 40 -----																			
S/C 32 INITIAL CONDITIONS RTLT: 23h 41m 40s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 23h 41m 38s														0000 RTLT 23h 41m 36s																			
FDS MODE															CR-5T																			
XB DATA RATE(MI)															160(32)																			
VGR COVERAGE	VGR														ON CALL																			
NOTES	[1] S/C 31=EL-40 @ 0806 XB=40(30) [2] S/C 31=CR-5T @ 0841 XB=160(32)														[3] S/C 31=EL-40 @ 1031 XB=160(32) [4] S/C 31=CR-5T @ 1131 XB=160(32)																			
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7									
UTC:	APR 27														APR 28																			

ISSUE DATE: 04/09/08 14:28

PDT:	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 APRIL 28, 2008 119-120																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS RTLT: 29h 13m 48s CCSL: A067A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 29h 13m 48s																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	0805  ----- 24 [D] -----  1250 ..... ----- 10 -----   ----- 40 -----  .... 60 ....																										
32 DSN COVERAGE	1845  ----- 43 -----  2145 2125  ----- 34 [D] -----  2340																										
S/C 32 INITIAL CONDITIONS RTLT: 23h 41m 36s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 23h 41m 34s																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE	ON CALL																										
NOTES																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
UTC:	APR 28													APR 29													