

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: March 9, 2011

For the Period: 03/10/2011 to 03/28/2011 (11-069 – 11-087)

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

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

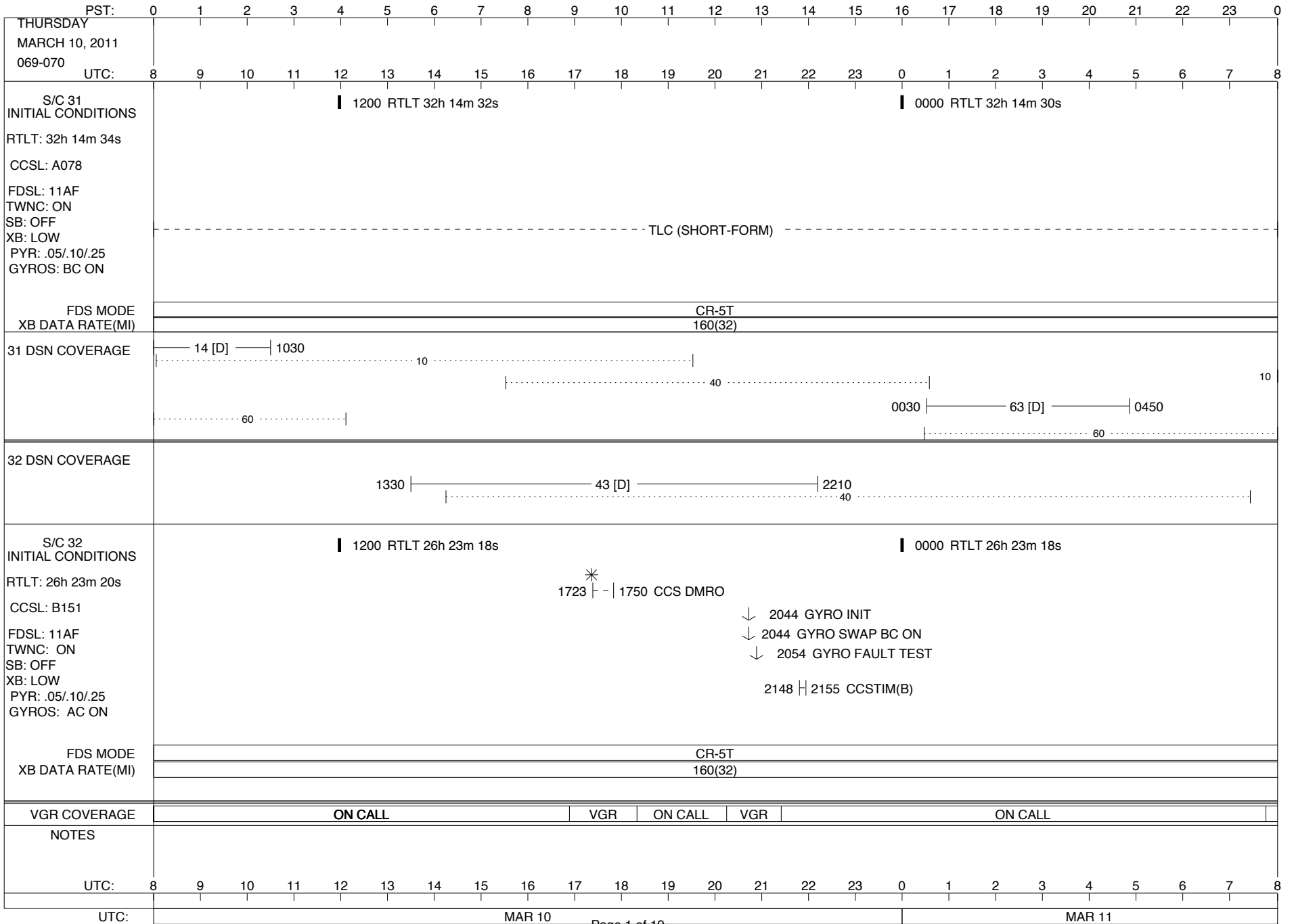
OTHER

* KMassej@jgld.gdscc.nasa.gov
 * Belinda.Arroyo@jpl.nasa.gov
 * !DL-DSN-MPSETA@dsn.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

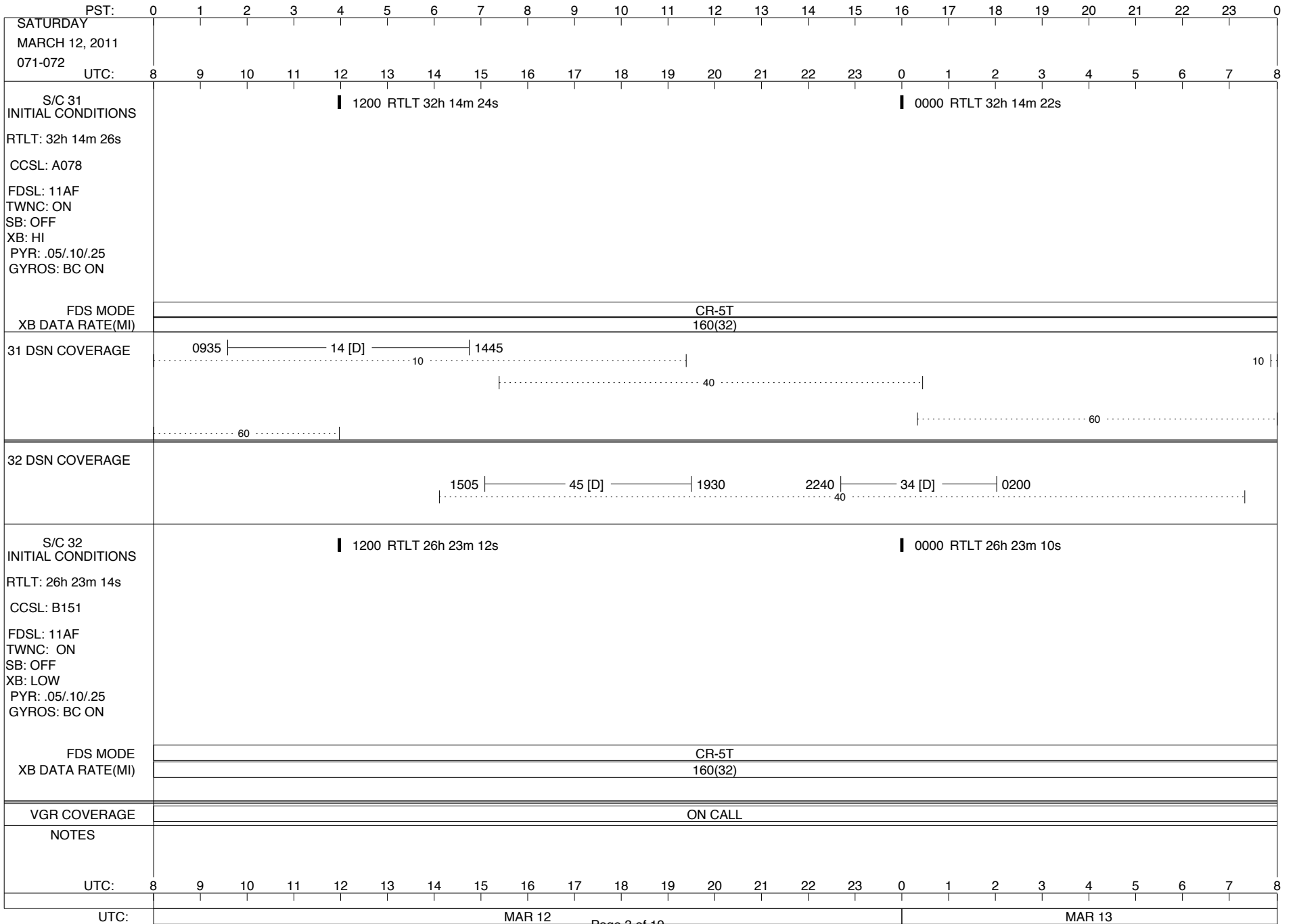
*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10

ISSUE DATE: 03/16/11 19:58



ISSUE DATE: 03/16/11 19:58

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 11, 2011 070-071	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 14m 30s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	1200 RTLT 32h 14m 28s												0000 RTLT 32h 14m 26s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	24 [DAR] 0805 - 1435 25 [DA] 0805 - 1435												10 | 40 | 0025 | 63 [D] | 0550												
32 DSN COVERAGE	1335 | 43 [o] | 1840 1820 | 45 [D] | 1945												40												
S/C 32 INITIAL CONDITIONS RTLT: 26h 23m 18s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	1200 RTLT 26h 23m 16s												0000 RTLT 26h 23m 14s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	VGR												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0113 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 11												MAR 12												



ISSUE DATE: 03/16/11 19:58

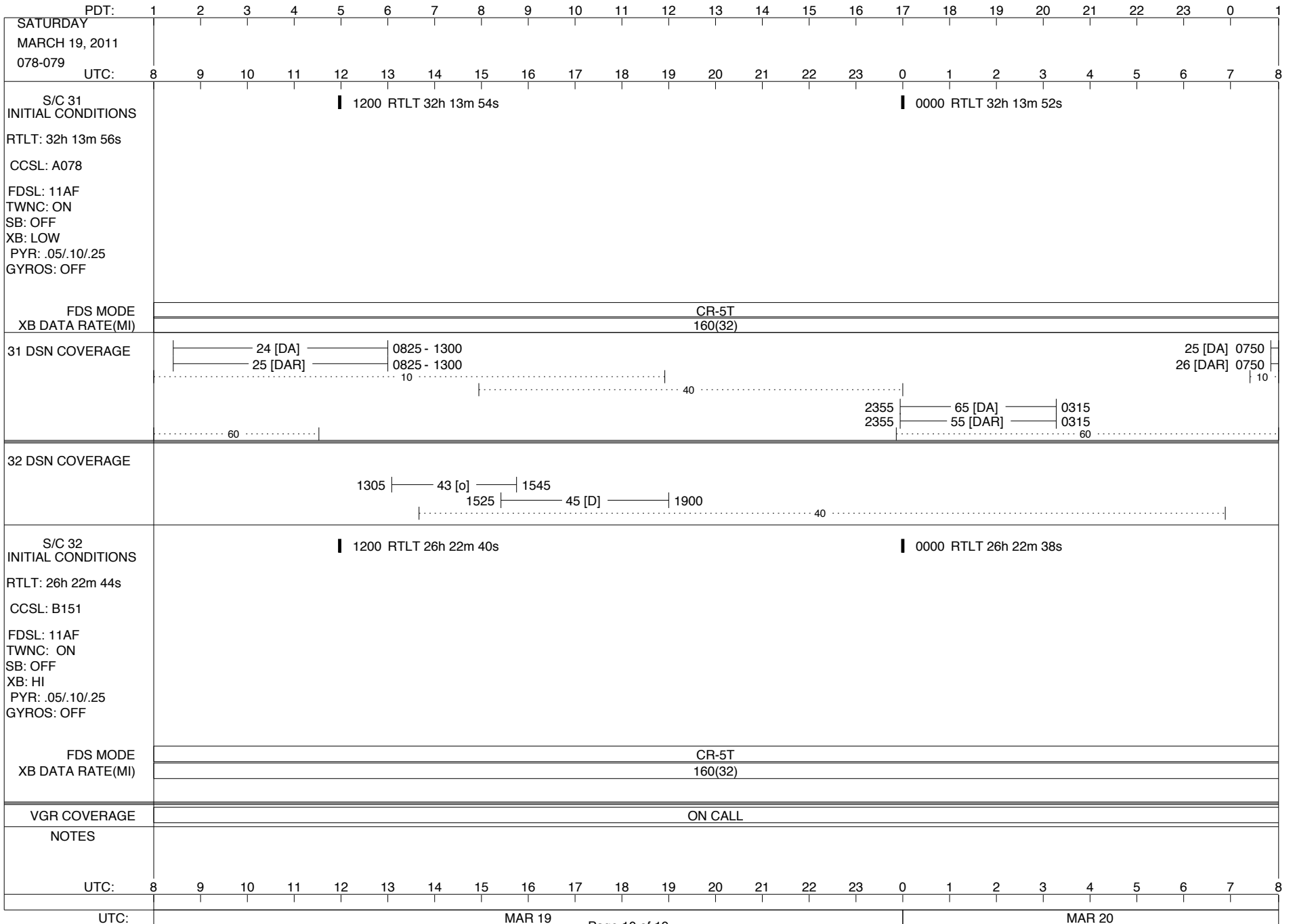
PST:	0	1	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1
SUNDAY MARCH 13, 2011 072-073	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 32h 14m 22s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLT 32h 14m 20s												█ 0000 RTLT 32h 14m 18s												
	GYRO INIT 0700↓ AACS MRO 0747 - 0748 | AAI 0749↓ LECP OBS 0759 |																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	1100 |-----| 14 [D] |-----| 1525												14 [D] 0730 |-----|												
	.....|-----| 40 |-----|												.....|-----|											
	.....60|-----|												0030 |-----| 63 [D] |-----| 0530											
	.....|-----|												.....60|-----|												
32 DSN COVERAGE	1505 |-----| 45 [D] |-----| 2105												.....40|-----|												
S/C 32 INITIAL CONDITIONS RTLT: 26h 23m 10s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLT 26h 23m 8s												█ 0000 RTLT 26h 23m 6s												
	1537 |-----|												-----COMMAND MORATORIUM-----												
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 13												MAR 14												

PDT:	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			
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			
MONDAY MARCH 14, 2011 073-074																												
S/C 31 INITIAL CONDITIONS RTLT: 32h 14m 18s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 32h 14m 16s														0000 RTLT 32h 14m 14s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE	14 [D] | 1300 .....| .....| 40 .....| .....| .....| 60 .....|														24 [DAR] 0745 25 [DA] 0745 .....| 10 .....| 0015 | .....| 63 [D] .....| 0525 .....| 60 .....|													
32 DSN COVERAGE	1725 | 43 [Antenna Declared Red, No DSN Coverage] | 2340 .....| 40 .....|																											
S/C 32 INITIAL CONDITIONS RTLT: 26h 23m 6s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	1200 RTLT 26h 23m 4s														0000 RTLT 26h 23m 0s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)							EL-40 40(30)							CR-5T 160(32)													
VGR COVERAGE	VGR							ON CALL							VGR							ON CALL						
NOTES	[1] S/C 32 D/L AGC & SNR VARIATIONS EXPECTED DURING ASCAL (2216-2253) [2] S/C 32=EL-40 @ 2144 XB=40(30)																											
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 14														MAR 15													

PDT:	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	
TUESDAY MARCH 15, 2011 074-075																										
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 14m 14s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLT 32h 14m 12s												█ 0000 RTLT 32h 14m 8s													
	1849 | 1850 PWS/RH												↓ 1849 GS-4B 1850													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	24 [DAR] | 1150												10 | 40													
	25 [DA] | 1150												0010 | 63 [D] | 0430													
	60												60													
32 DSN COVERAGE	1305 | 43 [D] | 2105												40													
S/C 32 INITIAL CONDITIONS RTLT: 26h 23m 0s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLT 26h 22m 58s												█ 0000 RTLT 26h 22m 56s													
	----- COMMAND MORATORIUM -----																									
	↓ 1318 AAI												1321 | ----- MAGROL ----- | 1916													
													↓ 1909 RAI													
													↓ 1916 CRU													
													↓ 1916 GYROS OFF													
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 @ 1849 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32 D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (1321-1916)																									
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 15												MAR 16													

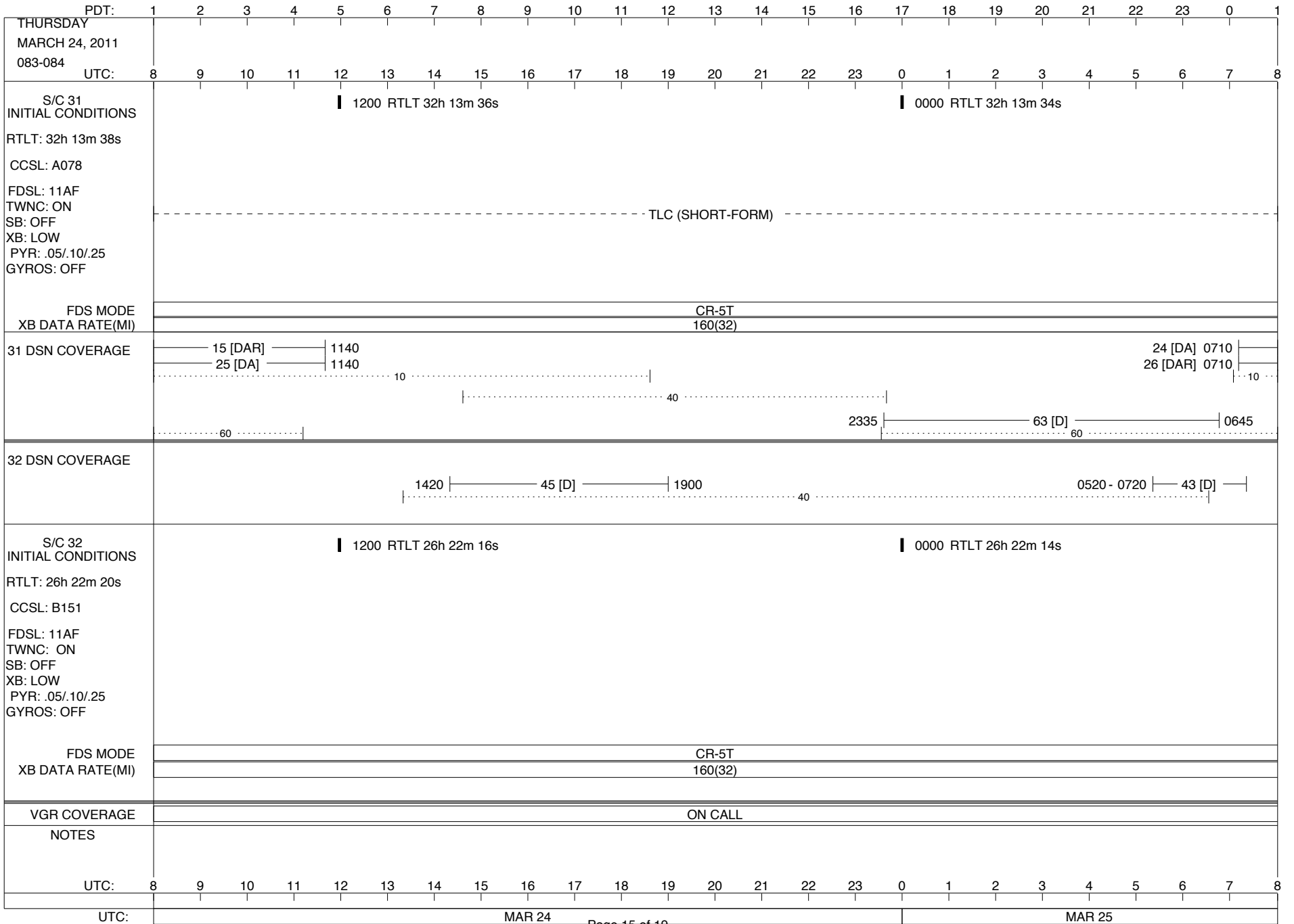
PDT:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8										
WEDNESDAY MARCH 16, 2011 075-076																																			
S/C 31 INITIAL CONDITIONS RTLT: 32h 14m 8s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 32h 14m 6s														0000 RTLT 32h 14m 4s																				
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)																				
31 DSN COVERAGE	14 [D] 0815 - 1715														24 [DAR] 0740 25 [DA] 0740 10																				
32 DSN COVERAGE	1325 43 [o] 1725														0020 63 [T] 0425																				
S/C 32 INITIAL CONDITIONS RTLT: 26h 22m 56s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	1200 RTLT 26h 22m 54s														0000 RTLT 26h 22m 52s																				
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)																				
VGR COVERAGE	ON CALL							VGR							ON CALL							VGR							ON CALL						
NOTES	[1] S/C 31 D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (1013-1608)																																		
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 16														MAR 17																				

PDT:	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			
THURSDAY MARCH 17, 2011 076-077																												
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 14m 4s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 32h 14m 2s												█ 0000 RTLT 32h 14m 0s															
----- TLC (SHORT-FORM) -----																												
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLT: 26h 22m 52s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 26h 22m 50s												█ 0000 RTLT 26h 22m 48s															
▼ 1452 DUMMY (5 MIN BRACKETED 17:15)																												
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:	MAR 17														MAR 18													



PDT:	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	
SUNDAY MARCH 20, 2011 079-080																										
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 13m 52s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 32h 13m 50s												█ 0000 RTLT 32h 13m 48s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	25 [DA] ————— 1240 26 [DAR] ————— 1240 10 40 2350 63 [D] 0530 60 60 .....												| 10 .													
32 DSN COVERAGE	1435 |————— 45 [D] —————| 1945 40																									
S/C 32 INITIAL CONDITIONS RTLT: 26h 22m 38s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 26h 22m 36s 1537 |-----												█ 0000 RTLT 26h 22m 34s ----- COMMAND MORATORIUM -----													
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 20													MAR 21												

PDT:	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
MONDAY MARCH 21, 2011 080-081																									
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 13m 48s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 32h 13m 46s												█ 0000 RTLTL 32h 13m 44s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	0925 |-----| 14 [D] |-----| 1445												0700 | 14 [D] |-----|												
	.....|-----| 10 |-----|												.....|-----| 40 |-----|												
	.....|-----| 60 |-----|												2350 |-----| 65 [DA] |-----| 0530 2350 |-----| 55 [DAR] |-----| 0530 .....|-----| 60 |-----|												
32 DSN COVERAGE	1245 |-----| 43 [D] |-----| 1850												.....|-----| 40 |-----|												
S/C 32 INITIAL CONDITIONS RTLTL: 26h 22m 34s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 26h 22m 32s												█ 0000 RTLTL 26h 22m 28s												
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:	MAR 21												MAR 22												



PDT:	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			
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			
FRIDAY MARCH 25, 2011 084-085																												
S/C 31 INITIAL CONDITIONS RTLT: 32h 13m 34s CCSL: A078 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 32h 13m 32s												0000 RTLT 32h 13m 30s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE	<p>24 [DA] 1340 0650 | 14 [D]</p> <p>26 [DAR] 1340 | 10</p> <p>40</p> <p>0020 | 63 [D] | 0520</p> <p>60</p>																											
32 DSN COVERAGE	<p>1415 | 45 [D] | 2205</p> <p>40</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 26h 22m 14s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 26h 22m 12s												0000 RTLT 26h 22m 8s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	ON CALL																											
NOTES	[1] S/C 31=GS-4B @ 0025 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 25														MAR 26													

PDT:	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
SUNDAY MARCH 27, 2011 086-087																									
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 32h 13m 24s												0000 RTLT 32h 13m 22s												
RTLT: 32h 13m 26s																									
CCSL: A078																									
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	<p>Timeline for 31 DSN COVERAGE:</p> <ul style="list-style-type: none"> 14 [D] (Duration) | 1300 (Start) | 10 (End) 40 (Duration) | 2325 (Start) | 60 (End) 63 [D] (Duration) | 0510 (Start) | 10 (End) 14 [D] (Duration) | 0640 (Start) | 10 (End) 																								
32 DSN COVERAGE	<p>Timeline for 32 DSN COVERAGE:</p> <ul style="list-style-type: none"> 43 [D] (Duration) | 1435 (Start) | 1835 (End) 40 (Duration) | 2325 (Start) | 60 (End) 																								
S/C 32 INITIAL CONDITIONS	1200 RTLT 26h 22m 0s												0000 RTLT 26h 21m 58s												
RTLT: 26h 22m 4s																									
CCSL: B151																									
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																									
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 27												MAR 28												

ISSUE DATE: 03/16/11 19:58

PDT:	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		
MONDAY MARCH 28, 2011 087-088																											
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 13m 22s 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 13m 22s</p> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>14 [D] 1445</p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>1215 43 [D] 1625</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 26h 21m 58s CCSL: B151 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 26h 21m 58s</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		
UTC:	MAR 28													MAR 29													