

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: March 5, 2014

For the Period: 03/06/14 to 03/24/21 (14-058 – 14-076)

**DSN OPSCHIEF (1) 230-102**

**DSOT (1) 230-102**

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**SCIENCE**

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**FLIGHT TEAM (14) 600-100**

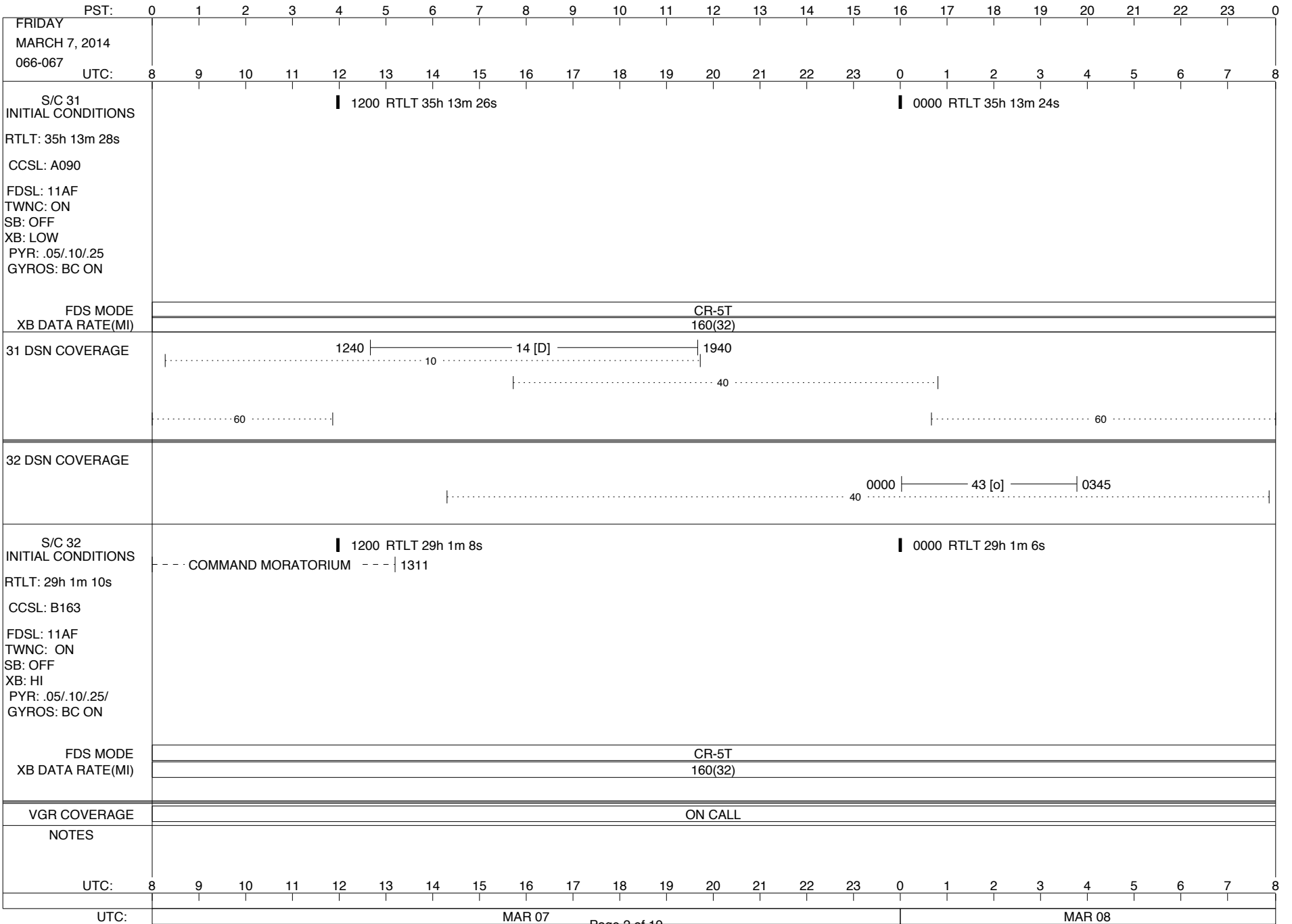
Dodd, S.  
 Hall, J.  
 Howard, S. (3)  
 Ludwig, R. (2)  
 Matsumoto, S.  
 Medina  
 Peralta, F.  
 Weeks, T.  
 Wong, R.  
 Yang, L.  
 Zottarelli, L.  
 \*odivers@san.rr.com

**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

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 6, 2014 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: 35h 13m 34s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLT 35h 13m 30s												█ 0000 RTLT 35h 13m 28s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 0820 - 1350 .....  .....  .....  .....												40 .....  .....  .....  .....												
32 DSN COVERAGE	1800 45 [D] 2025 .....  .....  .....  .....												40 0220 - 0755 43 [D] .....  .....  .....  .....												
S/C 32 INITIAL CONDITIONS RTLT: 29h 1m 12s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: AC ON	█ 1200 RTLT 29h 1m 12s												█ 0000 RTLT 29h 1m 10s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0143 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												MAR 07												

ISSUE DATE: 03/06/14 14:30





ISSUE DATE: 03/06/14 14:30

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	2		
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	9		
SUNDAY MARCH 9, 2014 068-069																												
S/C 31 INITIAL CONDITIONS RTLTL: 35h 13m 20s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 35h 13m 18s														0000 RTLT 35h 13m 16s													
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)													
31 DSN COVERAGE	0915  ----- 15 [DAR] -----  1630 0915  ----- 25 [DA] -----  1630  ----- 10 -----   ----- 40 -----   ----- 60 -----														----- 10 -----   ----- 60 -----													
32 DSN COVERAGE	----- 2255 ----- 43 [D] -----  0740  ----- 40 -----																											
S/C 32 INITIAL CONDITIONS RTLTL: 29h 1m 4s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: BC ON	1200 RTLT 29h 1m 2s														0000 RTLT 29h 1m 0s													
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	9		
UTC:	MAR 09														MAR 10													



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			
TUESDAY MARCH 11, 2014 070-071																												
S/C 31 INITIAL CONDITIONS RTLT: 35h 13m 12s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	<p>█ 1200 RTLT 35h 13m 8s</p> <p>↓ 1020 BAY 1 HTR OFF</p> <p>↓ 1024 X/B HI POWER</p> <p>↓ 1044 AAI</p> <p>1046  -----MAGROL-----  1643</p> <p>↓ 1635 RAI</p> <p>↓ 1643 CRU</p> <p>↓ 1643 GYROS OFF</p> <p>↓ 1645 X/B LOW POWER</p> <p>↓ 1649 BAY 1 HTR ON</p> <p>1907   1908 PWS/RH</p> <p>↓ 1906 GS-4B 1907</p>														<p>█ 0000 RTLT 35h 13m 6s</p>													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE	<p>0900  -----14 [DA]-----  1815</p> <p>0945  -----24 [DAR]-----  1700</p> <p>0945  -----25 [DA]-----  1700</p> <p>.....10..... -----40..... </p> <p>.....60..... -----60..... </p>																											
32 DSN COVERAGE	<p>.....2150 -----43 [D]-----  0405</p> <p>.....40..... -----60..... </p>																											
S/C 32 INITIAL CONDITIONS RTLT: 29h 0m 56s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: BC ON	<p>█ 1200 RTLT 29h 0m 54s</p>														<p>█ 0000 RTLT 29h 0m 52s</p>													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	ON CALL								VGR								ON CALL											
NOTES	<p>[1] S/C 31=D/L AGC &amp; SNR VARIATIONS EXPECTED DURING MAGROL (1045-1642)</p> <p>[2] S/C 31=GS-4B @ 1906 XB=2.8K(41) NOT RECOVERABLE</p>																											
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: 03/06/14 14:30

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	
WEDNESDAY MARCH 12, 2014 071-072																										
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 13m 6s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200 RTLT 35h 13m 4s																					
FDS MODE														CR-5T												
XB DATA RATE(MI)														160(32)												
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 29h 0m 52s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: BC ON					█ 1200 RTLT 29h 0m 52s																					
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 12													MAR 13												



ISSUE DATE: 03/06/14 14:30

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	2	3	4	5	6	7	8
THURSDAY MARCH 13, 2014 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	1200 RTLT 35h 13m 0s														0000 RTLT 35h 12m 58s																	
RTLT: 35h 13m 2s																																
CCSL: A090															2218   ---   2312 TAPPOS																	
FDSL: 11AF															0119   0121 PWS/RH																	
TWNC: ON															0131   - -   0212 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	<p>1510  -----  14 [D]  -----  1920</p> <p>10  -----  40  -----  10  </p> <p>60  -----  60  ----- </p>																															
32 DSN COVERAGE	<p>1845  -----  43 [D]  -----  0215</p> <p>40  ----- </p>																															
S/C 32 INITIAL CONDITIONS	1200 RTLT 29h 0m 48s														0000 RTLT 29h 0m 46s																	
RTLT: 29h 0m 50s																																
CCSL: B163																																
FDSL: 11AF															1922 AAI																	
TWNC: ON															1925  -----  MAGROL -----  0121																	
SB: OFF																																
XB: HI															0114 RAI																	
PYR: .05/.10/.25/															0121 CRU																	
GYROS: BC ON															0121 GYROS OFF																	
FDS MODE	CR-5T																															
XB DATA RATE(MI)	160(32)																															
VGR COVERAGE	ON CALL														VGR							ON CALL										
NOTES	<p>[1] S/C 31=GS-4B @ 0119 XB=2.8K(41) NOT RECOVERABLE</p> <p>[2] S/C 32=D/L AGC &amp; SNR VARIATIONS EXPECTED DURING MAGROL (1925-0120)</p>																															
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			
SUNDAY MARCH 16, 2014 075-076																												
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 12m 48s												0000 RTLT 35h 12m 46s															
RTLT: 35h 12m 50s																												
CCSL: A090																												
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>14 [D] 1135 1500 14 [D] 1645 14 [D] 0740</p> <p>10 40 60</p> <p>0800 65 [DAR] 0800 54 [DA]</p>																											
32 DSN COVERAGE	<p>2040 43 [o] 0705</p> <p>40</p>																											
S/C 32 INITIAL CONDITIONS	1200 RTLT 29h 0m 36s												0000 RTLT 29h 0m 34s															
RTLT: 29h 0m 38s																												
CCSL: B163																												
FDSL: 11AF																												
TWNC: ON																												
SB: OFF																												
XB: HI																												
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 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	
MONDAY MARCH 17, 2014 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: 35h 12m 46s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 35h 12m 44s												█ 0000 RTLT 35h 12m 42s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	14 [D]   1230												10													
	.....10.....												.....40.....													
	.....60.....												.....60.....													
32 DSN COVERAGE													2100   45 [D]   0350													
													.....40.....													
S/C 32 INITIAL CONDITIONS RTLT: 29h 0m 34s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 29h 0m 32s												█ 0000 RTLT 29h 0m 30s													
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 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	
TUESDAY MARCH 18, 2014 077-078																										
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 12m 42s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 35h 12m 40s												█ 0000 RTLTL 35h 12m 38s													
	1842   1843 PWS/RH												1855   ----- DTR MAINT -----   0018													
													0023    0025 TAPPOS													
													↓ 1842 GS-4B 1843													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	0945  ----- 14 [D] -----  1710												----- 10 ----- ----- 40 ----- ----- 60 ----- ----- 10 -----													
32 DSN COVERAGE	----- 1820 ----- ----- 45 [D] -----  2300												----- 40 ----- ----- 0530 ----- ----- 43 [D] -----  0705													
S/C 32 INITIAL CONDITIONS RTLTL: 29h 0m 30s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 29h 0m 26s												█ 0000 RTLTL 29h 0m 24s													
	1629  -----												----- COMMAND MORATORIUM -----													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1842 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 18													MAR 19												



ISSUE DATE: 03/06/14 14:30

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 20, 2014 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: 35h 12m 34s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 12m 32s												0000 RTLT 35h 12m 30s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	14 [D] 1025 1300 14 [D] 1810												14 [D] 0720													
	60												60													
	40												40													
	0250 65 [DAR] 0655												0250 55 [DA] 0655													
32 DSN COVERAGE													0145 43 [D] 0700													
	40												40													
S/C 32 INITIAL CONDITIONS RTLT: 29h 0m 20s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 29h 0m 18s												0000 RTLT 29h 0m 16s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												ON CALL													
NOTES	[1] S/C 31=GS-4B @ 0055 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 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	
FRIDAY MARCH 21, 2014 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 RTLT: 35h 12m 30s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 35h 12m 28s												█ 0000 RTLT 35h 12m 26s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	14 [D]   1120												14 [D] 0745													
	.....												.....													
	.....												.....													
	.....												.....													
32 DSN COVERAGE	1620   34 [o]   1900												40													
S/C 32 INITIAL CONDITIONS RTLT: 29h 0m 16s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 29h 0m 14s												█ 0000 RTLT 29h 0m 12s													
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 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
SUNDAY MARCH 23, 2014 082-083																									
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 12m 22s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 12m 20s												0000 RTLTL 35h 12m 18s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	25 [DA] 0805 - 1605 26 [DAR] 0805 - 1605												14 [D] 0710												
	10												10												
	60												60												
32 DSN COVERAGE	1615 43 [D] 2110												2150 45 [D] 0100												
	40												40												
S/C 32 INITIAL CONDITIONS RTLTL: 29h 0m 6s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 29h 0m 4s												0000 RTLTL 29h 0m 2s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												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 23												MAR 24												

ISSUE DATE: 03/06/14 14:30

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 24, 2014 083-084																											
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 12m 18s 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 12m 16s</p> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>14 [D] 1525</p> <p>10 40 60</p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>1705 43 [o] 2050</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 29h 0m 2s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 29h 0m 0s</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 24													MAR 25													