

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: October 30, 2012

For the Period: 11/01/12 to 11/19/12 (12-306 – 12-324)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (14) 600-100

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- 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: 10/31/12 02:44

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 NOVEMBER 1, 2012 306-307																												
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: 34h 4m 36s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON						█ 1200												█ 0000										
FDS MODE												CR-5T																
XB DATA RATE(MI)												160(32)																
31 DSN COVERAGE												2330 |----- 14 [D] -----| 0350 40 60																
32 DSN COVERAGE												1130 |----- 43 [D] -----| 1550 40 40																
S/C 32 INITIAL CONDITIONS RTLTL: 27h 47m 32s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF						█ 1200												█ 0000										
FDS MODE												CR-5T																
XB DATA RATE(MI)												160(32)																
VGR COVERAGE												ON CALL							VGR				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:	NOV 01														NOV 02													

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 NOVEMBER 2, 2012 307-308																											
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: 34h 4m 54s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	<div style="display: flex; justify-content: space-between;"> | 1200 RTLT 34h 5m 4s | 0000 RTLT 34h 5m 12s </div>												↓ 1934 TEMP CRS CMD WORD UPD ↓ 2001 AAI 2004 |-----MAGROL-----| 0200 0530 | TAPPOS ↓ 0153 RAI ↓ 0154 CLEAR FIRST ↓ 0157 SET CALIB ↓ 0200 CRU ↓ 0200 GYROS STAY ON ↓ 0209 GYRO FAULT TEST ↓ 0212 RSTR CRS CMD WORDS														
FDS MODE	CR-5T																										
XB DATA RATE(MI)	160(32)																										
31 DSN COVERAGE	..... 40 ..... | ..... 60 ..... | ..... 40 ..... |-----1925-----|-----14 [D]-----|-----0255-----| ..... 10																									
32 DSN COVERAGE	..... 40 ..... | ..... 40 ..... | ..... 40 ..... |-----1045-----|-----43 [o]-----|-----1550-----|																										
S/C 32 INITIAL CONDITIONS RTLT: 27h 47m 52s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	<div style="display: flex; justify-content: space-between;"> | 1200 RTLT 27h 48m 4s | 0000 RTLT 27h 48m 14s </div>																										
FDS MODE	CR-5T																										
XB DATA RATE(MI)	160(32)																										
VGR COVERAGE	ON CALL											VGR						ON CALL									
NOTES	[1] S/C 31 - D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (2004-0159)																										
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:	NOV 02																NOV 03										

ISSUE DATE: 10/31/12 02:44

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 NOVEMBER 3, 2012 308-309	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: 34h 5m 12s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 34h 5m 20s												0000 RTLT 34h 5m 30s												
0720 TAPPOS 0832 0833 PWS/RH 1040 TAPPOS 1216 0832 GS-4B 0833																									
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	<p>..... 40 ..... |----- 2235 |----- 14 [D] -----| 0155 10 40 .....</p> <p>|----- 1815 |----- 63 [D] -----| 2015 60</p>																								
32 DSN COVERAGE	<p>..... 1130 |----- 43 [D] -----| 1550 40 40</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 27h 48m 14s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 27h 48m 26s												0000 RTLT 27h 48m 36s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0832 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:	NOV 03												NOV 04												

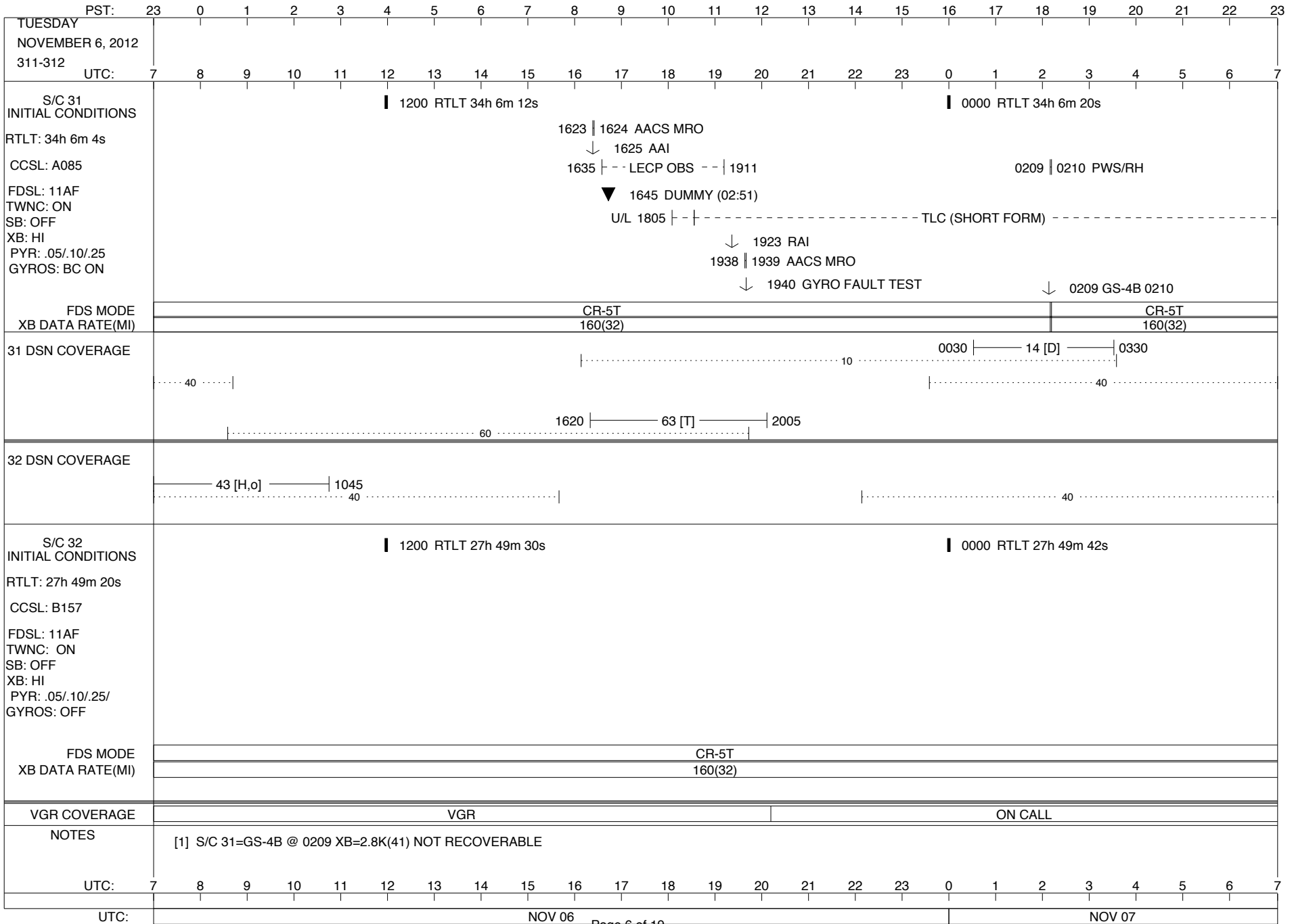
ISSUE DATE: 10/31/12 02:44

PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
SUNDAY NOVEMBER 4, 2012 309-310																								
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
S/C 31 INITIAL CONDITIONS RTLT: 34h 5m 30s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON						1200 RTLT 34h 5m 38s												0000 RTLT 34h 5m 46s						
FDS MODE	CR-5T											CR-5T												
XB DATA RATE(MI)	160(32)											160(32)												
31 DSN COVERAGE	.....40.....|											|.....40.....										
	|.....60.....|											|.....40.....										
	|.....60.....|											|.....40.....										
32 DSN COVERAGE	.....40.....|											|.....40.....										
	|.....60.....|											|.....40.....										
S/C 32 INITIAL CONDITIONS RTLT: 27h 48m 36s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF						1200 RTLT 27h 48m 48s												0000 RTLT 27h 48m 58s						
FDS MODE	CR-5T											CR-5T												
XB DATA RATE(MI)	160(32)											160(32)												
VGR COVERAGE	ON CALL											VGR 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
UTC:	NOV 04											NOV 05												

ISSUE DATE: 10/31/12 02:44

PST:	22	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
MONDAY NOVEMBER 5, 2012 310-311	UTC: 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	
S/C 31 INITIAL CONDITIONS RTLT: 34h 5m 46s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 34h 5m 56s											0000 RTLT 34h 6m 4s															
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)															
31 DSN COVERAGE	40											10															
	40											40															
	60											1645 63 [D] 2010															
32 DSN COVERAGE	1015 45 [D] 1405											43 [H,o] 0645															
S/C 32 INITIAL CONDITIONS RTLT: 27h 48m 58s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 27h 49m 10s											0000 RTLT 27h 49m 20s															
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)															
VGR COVERAGE	ON CALL																							VGR			
NOTES																											
UTC:	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	
UTC:	NOV 05																NOV 06										

ISSUE DATE: 10/31/12 02:44



ISSUE DATE: 10/31/12 02:44

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

WEDNESDAY
NOVEMBER 7, 2012
312-313 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: 34h 6m 20s
CCSL: A085
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON
1200 RTLT 34h 6m 28s
0000 RTLT 34h 6m 38s
1825 | PLSCAL - | 2007
1825 | --- MAGCAL --- | 2127
1825 | --- PESCAL --- | 2145
----- TLC (SHORT FORM) ----- | D/L - | 0539
↓ 0234 X/B LOW POWER
↓ 0238 BAY 1 HTR ON

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)

31 DSN COVERAGE
1800 |----- 14 [D] -----| 2200
|----- 10 -----| 0200 | 14 [D] | 0300
|----- 40 -----|
|----- 60 -----|

32 DSN COVERAGE
0750 |----- 43 [D] -----| 1140
|----- 40 -----|

S/C 32
INITIAL CONDITIONS
RTLT: 27h 49m 42s
CCSL: B157
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: OFF
1200 RTLT 27h 49m 52s
0000 RTLT 27h 50m 2s

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)

VGR COVERAGE ON CALL VGR ON CALL

NOTES

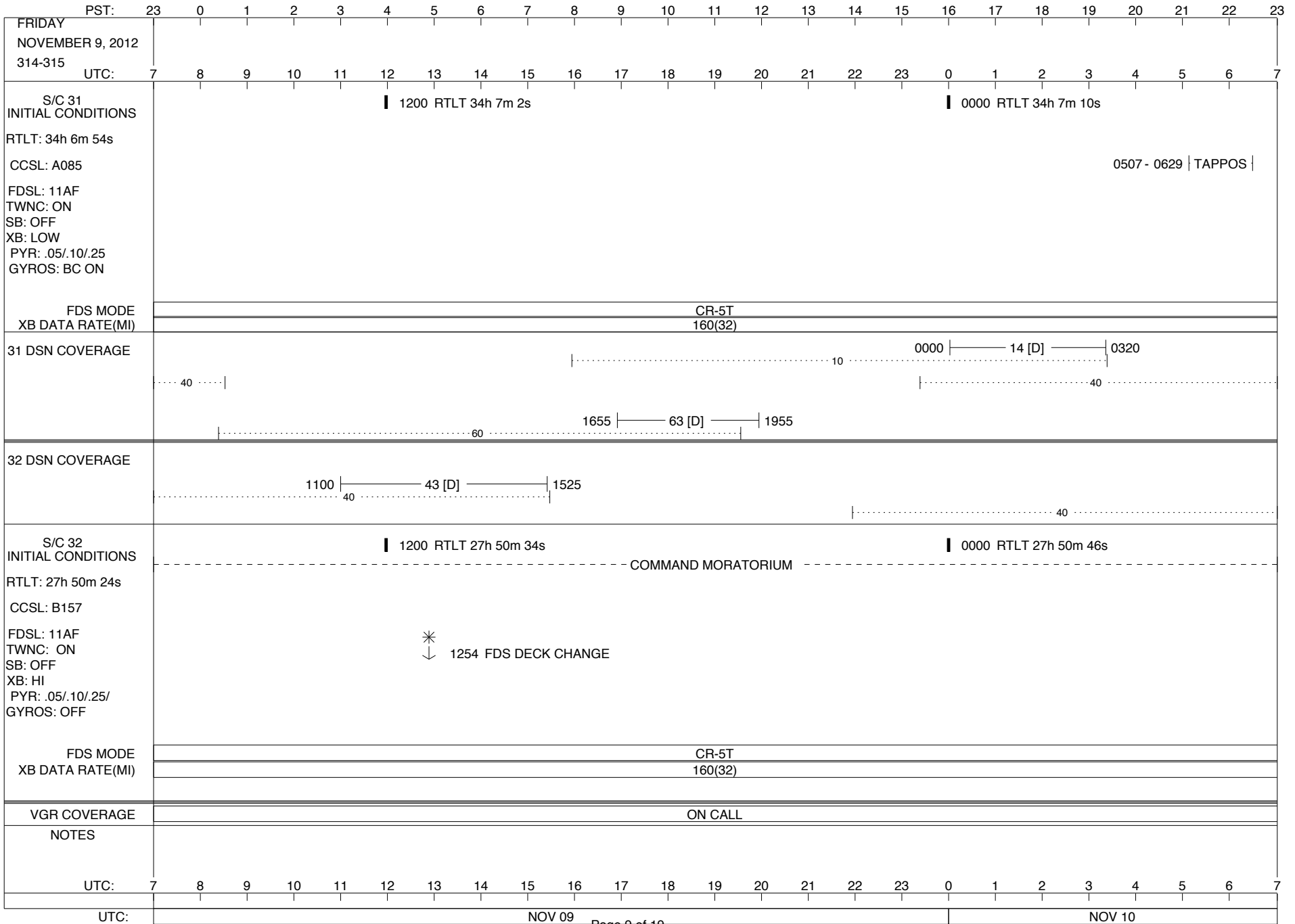
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

UTC: NOV 07 NOV 08

ISSUE DATE: 10/31/12 02:44

PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
THURSDAY NOVEMBER 8, 2012 313-314	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: 34h 6m 38s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	| 1200 RTLT 34h 6m 46s											| 0000 RTLT 34h 6m 54s													
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)													
31 DSN COVERAGE	| 40 |											| 0030 | 14 [D] | 0320 |													
	| 60 |											| 1800 | 63 [D] | 2000 |													
32 DSN COVERAGE	| 0745 | 43 [H] | 1520 |											| 0315 | 34 [D] | 0430 |													
S/C 32 INITIAL CONDITIONS RTLT: 27h 50m 2s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	| 1200 RTLT 27h 50m 14s											| 0000 RTLT 27h 50m 24s													
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)													
VGR COVERAGE	VGR											ON CALL													
NOTES												▼ 0903 FDS DECK CHANGE (12:53) ▼ 0910 DUMMY (13:00)													
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:	NOV 08											NOV 09													

ISSUE DATE: 10/31/12 02:44



PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SATURDAY NOVEMBER 10, 2012 315-316	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: 34h 7m 10s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 34h 7m 18s												0000 RTLT 34h 7m 26s												
0809 | 0810 PWS/RH 1017 | - - - - | 1125 TAPPOS ↓ 0809 GS-4B 0810													2333 | 2334 AACS MRO ↓ 2335 AAI 2345 | - - LECP OBS - - | 0221 ↓ 0233 RAI 0248 | 0249 AACS MRO ↓ 0250 GYRO FAULT TEST												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																					CR-5T 160(32)			
31 DSN COVERAGE	<p>..... 40 ..... | ..... 10 2315 | ..... 14 [D] ..... | 0315</p> <p>..... 40 ..... | ..... 60 1640 | ..... 63 [D] ..... | 1940</p>																								
32 DSN COVERAGE	<p>| ..... 43 [DA] ..... | 0720 - 1510</p> <p>| 45 [DAR] | 0720 - 0845 ..... | ..... 40 ..... | ..... 40</p>																								
S/C 32 INITIAL CONDITIONS RTLTL: 27h 50m 46s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 27h 50m 56s												0000 RTLT 27h 51m 6s												
0753 | - | 0813 AACS MRO 0813 | - | 0829 CCS MRO 0829 | - | 0842 CCS MRO ↓ 0857 X/B LOW POWER ↓ 0901 BAY 1 HTR ON ↓ 0738 EH-12 0841	----- COMMAND MORATORIUM ----- | 1910																								
FDS MODE XB DATA RATE(MI)	EH-12												CR-5T 160(32)												
VGR COVERAGE	VGR												ON CALL												
NOTES	<p>[1] S/C 32=EH-12 @ 0738 XB=1.2K (30)</p> <p>[2] S/C 31=GS-4B @ 0809 XB=2.8K(41) NOT RECOVERABLE</p> <p>[3] S/C 32=CR-5T XB=160(32) @ 0841</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:	NOV 10																NOV 11								

ISSUE DATE: 10/31/12 02:44

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

SUNDAY
NOVEMBER 11, 2012
316-317
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: 34h 7m 26s
CCSL: A085
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 34h 7m 34s

0000 RTLT 34h 7m 42s

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)

31 DSN COVERAGE
.....40
.....102320 |----- 14 [D] -----| 0220
.....40
.....601645 |----- 63 [D] -----| 1945

32 DSN COVERAGE
1025 | 45 [D] | 1140
1120 |----- 43 [D] -----| 1520
.....4040

S/C 32
INITIAL CONDITIONS
RTLT: 27h 51m 6s
CCSL: B157
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 27h 51m 16s

0000 RTLT 27h 51m 28s

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: NOV 11 Page 11 of 19 NOV 12

ISSUE DATE: 10/31/12 02:44

PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
MONDAY NOVEMBER 12, 2012 317-318																										
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: 34h 7m 42s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON						█	1200	RTLTL 34h 7m 48s											█	0000	RTLTL 34h 7m 56s					
FDS MODE												CR-5T														
XB DATA RATE(MI)												160(32)														
31 DSN COVERAGE												1545	|-----| 14 [D] |-----|		2045											
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLTL: 27h 51m 28s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█	1200	RTLTL 27h 51m 38s												█	0000	RTLTL 27h 51m 48s				
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:	NOV 12													NOV 13												

ISSUE DATE: 10/31/12 02:44

		PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
TUESDAY																											
NOVEMBER 13, 2012																											
318-319		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								1200													0000						
RTLT: 34h 7m 56s																											
CCSL: A085																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/.10/.25																											
GYROS: BC ON																											
FDS MODE																											
XB DATA RATE(MI)																											
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS								1200													0000						
RTLT: 27h 51m 48s																											
CCSL: B157																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/.10/.25/																											
GYROS: OFF																											
FDS MODE																											
XB DATA RATE(MI)																											
VGR COVERAGE																											
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:																											

[1] S/C 31=GS-4B @ 0146 XB=2.8K(41) NOT RECOVERABLE

ISSUE DATE: 10/31/12 02:44

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

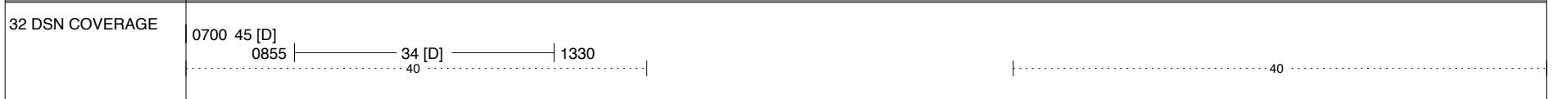
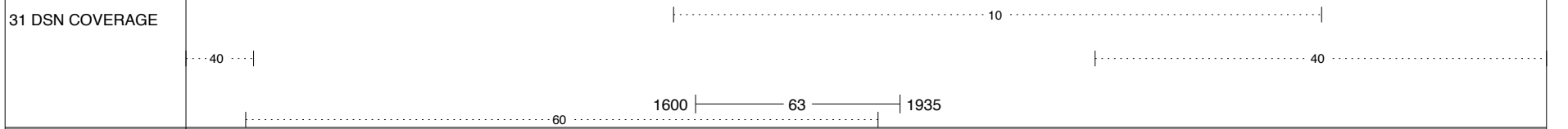
WEDNESDAY
NOVEMBER 14, 2012
319-320
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

S/C 31
INITIAL CONDITIONS
RTLT: 34h 8m 12s
CCSL: A085
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 34h 8m 20s 0000 RTLT 34h 8m 26s

1625 DUMMY (02:33)

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)



S/C 32
INITIAL CONDITIONS
RTLT: 27h 52m 8s
CCSL: B157
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 27h 52m 18s 0000 RTLT 27h 52m 28s

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)

VGR COVERAGE ON CALL VGR 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: NOV 14 Page 14 of 19 NOV 15

ISSUE DATE: 10/31/12 02:44

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

THURSDAY
NOVEMBER 15, 2012
320-321 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

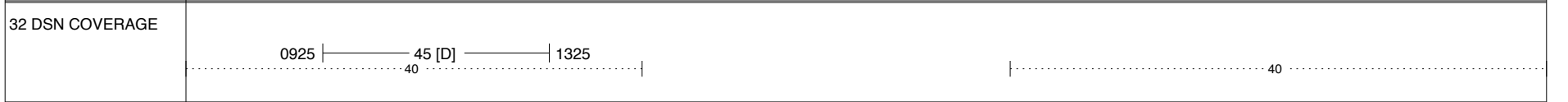
S/C 31
INITIAL CONDITIONS
RTLT: 34h 8m 26s
CCSL: A085
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 34h 8m 34s

0000 RTLT 34h 8m 42s

U/L 2335 | - | - - - - - TLC (SHORT-FORM) - - - - -

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)



S/C 32
INITIAL CONDITIONS
RTLT: 27h 52m 28s
CCSL: B157
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 27h 52m 40s

0000 RTLT 27h 52m 50s

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

ISSUE DATE: 10/31/12 02:44

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

FRIDAY
NOVEMBER 16, 2012
321-322
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: 34h 8m 42s
CCSL: A085
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 34h 8m 50s 0000 RTLT 34h 8m 56s

TLC (SHORT-FORM)

TAPPOS 0444 | - - - | 0538

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)

31 DSN COVERAGE
40 1530 63 [D] 1925 40

32 DSN COVERAGE
0920 45 [D] 1320 40

S/C 32
INITIAL CONDITIONS
RTLT: 27h 52m 50s
CCSL: B157
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 27h 53m 0s 0000 RTLT 27h 53m 10s

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: NOV 16 Page 16 of 19 NOV 17

ISSUE DATE: 10/31/12 02:44

PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
SATURDAY NOVEMBER 17, 2012 322-323																										
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	| 1200 RTLT 34h 9m 4s												| 0000 RTLT 34h 9m 10s													
RTLT: 34h 8m 56s	- TLC (SHORT-FORM) + D/L - | 1112																									
CCSL: A085	0747 | 0748 PWS/RH																									
FDSL: 11AF	0812 | 0813 AACS MRO																									
TWNC: ON	↓ 0814 AAI																									
SB: OFF	0824 | - - - LECP OBS - - | 1100																									
XB: LOW	0954 | - - - | 1034 TAPPOS																									
PYR: .05/.10/.25	↓ 1112 RAI																									
GYROS: BC ON	1127 | 1128 AACS MRO																									
	↓ 0746 GS-4B 0747												↓ 1129 GYRO FAULT TEST													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	|.....| 10																									
	...40 ...| ..... 40																									
	0755 |----- 63 [D] -----| 1155																									
	.....60																									
32 DSN COVERAGE	.....																								
	0950 |----- 45 [D] -----| 1315																									
	.....40																									
S/C 32 INITIAL CONDITIONS	| 1200 RTLT 27h 53m 20s												| 0000 RTLT 27h 53m 30s													
RTLT: 27h 53m 10s																										
CCSL: B157																										
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=GS-4B @ 0746 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:	NOV 17												NOV 18													

ISSUE DATE: 10/31/12 02:44

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

SUNDAY
NOVEMBER 18, 2012
323-324
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: 34h 9m 10s
CCSL: A085
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 34h 9m 18s
0000 RTLT 34h 9m 24s

0807 | 0808 AACS MRO
↓ 0809 AAI
0819 | - - - LECP OBS - - - | 1055
↓ 1107 RAI
1122 | 1123 AACS MRO
↓ 1124 GYRO FAULT TEST

FDS MODE
XB DATA RATE(MI) CR-5T
160(32)

31 DSN COVERAGE
.....|.....10.....|
...40...|.....40.....|
0750 |-----63 [D]-----| 1150
.....60.....|

32 DSN COVERAGE
.....|.....40.....|
0915 |-----34 [D]-----| 1315
.....40.....|.....40.....|
0030 |-----34 [D]-----| 0430

S/C 32
INITIAL CONDITIONS
RTLT: 27h 53m 30s
CCSL: B157
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 27h 53m 40s
0000 RTLT 27h 53m 50s

FDS MODE
XB DATA RATE(MI) CR-5T
160(32)

VGR COVERAGE VGR 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: NOV 18 NOV 19

ISSUE DATE: 10/31/12 02:44

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

MONDAY
NOVEMBER 19, 2012
324-325
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: 34h 9m 24s
CCSL: A085
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON
1200 RTLT 34h 9m 32s
0803 | 0804 AACS MRO
↓ 0805 AAI
0815 | - - LECP OBS - - | 1051
↓ 1103 RAI
1118 | 1119 AACS MRO
↓ 1120 GYRO FAULT TEST

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)

31 DSN COVERAGE
40 ..|
0745 |----- 63 [D] -----| 1145
.....60.....|

32 DSN COVERAGE
.....40.....|

S/C 32
INITIAL CONDITIONS
RTLT: 27h 53m 50s
CCSL: B157
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF
1200 RTLT 27h 54m 0s

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)

VGR COVERAGE VGR 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: NOV 19 NOV 20