

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: March 28, 2012

For the Period: 03/29/12 to 04/30/12 (12-089 – 12-121)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (14) 600-100

DSOT (1) 230-102

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 Ludwig, R. (2)
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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

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 29, 2012 089-090																												
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: 33h 12m 52s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 33h 12m 50s												█ 0000 RTLT 33h 12m 48s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	1220 — 15 [DAR] — 1445 1220 — 24 [DA] — 1445 .....| .....| ..... 40 .....| ..... 10 60 .....| ..... 60																											
32 DSN COVERAGE	.....| ..... 1430 .....| ..... 34 [o] .....| ..... 2020 40 .....| .....																											
S/C 32 INITIAL CONDITIONS RTLT: 27h 14m 22s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 27h 14m 18s												█ 0000 RTLT 27h 14m 16s															
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 29														MAR 30													

ISSUE DATE: 04/10/12 14:35

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 30, 2012																												
090-091 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 33h 12m 46s											0000 RTLT 33h 12m 46s															
RTLT: 33h 12m 48s																												
CCSL: A082																												
FDSL: 11AF																												
TWNC: ON																												
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>0910 |----- 15 [DA] -----| 1310 0910 |----- 25 [DAR] -----| 1310 10..... 60..... |----- 40 -----| .....60..... |----- 63 [D] -----|</p>																										
32 DSN COVERAGE		<p>1400 |----- 45 [D] -----| 1925 40.....</p>																										
S/C 32 INITIAL CONDITIONS		1200 RTLT 27h 14m 14s											0000 RTLT 27h 14m 10s															
RTLT: 27h 14m 16s																												
CCSL: B155																												
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		[1] S/C 31=GS-4B @ 0006 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 30											MAR 31															

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	
SATURDAY MARCH 31, 2012 091-092																										
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: 33h 12m 46s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 33h 12m 44s												█ 0000 RTLTL 33h 12m 42s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	.....| 10 .....|												.....| 40 .....|													
	| 63 [D] | 0935												| ..... 60 .....|													
32 DSN COVERAGE	| 1400 | ..... 45 [D] .....| 1910												..... 40 .....|													
S/C 32 INITIAL CONDITIONS RTLTL: 27h 14m 10s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 27h 14m 8s												█ 0000 RTLTL 27h 14m 6s													
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 31												APR 01													

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		
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 APRIL 1, 2012 092-093																												
S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 42s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 12m 42s														0000 RTLT 33h 12m 40s													
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
31 DSN COVERAGE	<p>1020 |----- 15 [DA] -----| 1615 |----- 10 -----| 1020 |----- 26 [DAR] -----| 1615 ----- 60 -----|----- 40 -----|----- 0255 ----- 63 [D] -----| 0655 ----- 60 -----|----- 60 -----|</p>																											
32 DSN COVERAGE	<p>1430 |----- 45 [D] -----| 2100 ----- 40 -----|</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 27h 14m 6s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 27h 14m 2s														0000 RTLT 27h 14m 0s													
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	9		
UTC:	APR 01														APR 02													

ISSUE DATE: 04/10/12 14:35

PDT:	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 APRIL 2, 2012 093-094																								
UTC:	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: 33h 12m 40s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLT 33h 12m 38s												| 0000 RTLT 33h 12m 36s											
FDS MODE													CR-5T											
XB DATA RATE(MI)													160(32)											
31 DSN COVERAGE	<p>..... 10 ..... | ..... 10</p> <p>..... 40</p> <p>..... 0145 | ..... 63 [D] ..... | 0545</p> <p>..... 60</p>																							
32 DSN COVERAGE	<p>..... 1715 | ..... 43 [B] ..... | 2140</p> <p>..... 40</p>																							
S/C 32 INITIAL CONDITIONS RTLT: 27h 14m 0s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLT 27h 13m 56s												| 0000 RTLT 27h 13m 54s											
FDS MODE													CR-5T											
XB DATA RATE(MI)													160(32)											
VGR COVERAGE	ON CALL												VGR						ON CALL					
NOTES																								
UTC:	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:	APR 02												Page 5 of 33						APR 03					

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 APRIL 3, 2012 094-095																												
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: 33h 12m 36s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 33h 12m 36s												█ 0000 RTLTL 33h 12m 34s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	..... 10 .....										..... 40 .....										..... 10							
											..... 60										0355 | 63 [D] | 0635							
32 DSN COVERAGE											..... 1655 | 45 [D] | 2245																	
S/C 32 INITIAL CONDITIONS RTLTL: 27h 13m 54s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 27h 13m 52s												█ 0000 RTLTL 27h 13m 48s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
VGR COVERAGE	ON CALL																											
NOTES	[1] S/C 31=GS-4B @ 1742 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:	APR 03														APR 04													

ISSUE DATE: 04/10/12 14:35

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																												
APRIL 4, 2012																												
095-096																												
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 33h 12m 32s												0000 RTLT 33h 12m 32s														
RTLT: 33h 12m 34s																												
CCSL: A082																												
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																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS		1200 RTLT 27h 13m 46s												0000 RTLT 27h 13m 44s														
RTLT: 27h 13m 48s																												
CCSL: B155																												
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:		APR 04															APR 05											

ISSUE DATE: 04/10/12 14:35

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			
THURSDAY APRIL 5, 2012 096-097																												
S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 32s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 12m 30s												0000 RTLT 33h 12m 30s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	<p>..... 10 ..... | ..... 10</p> <p>..... 40 .....</p> <p>| 0830 63 [T] 60</p> <p>..... 0045 | ..... 63 [D] 0545 60</p>																											
32 DSN COVERAGE	<p>..... 1640 | ..... 43 [o] 2025 40</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 27h 13m 44s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 27h 13m 40s												0000 RTLT 27h 13m 38s															
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:	APR 05														APR 06													

ISSUE DATE: 04/10/12 14:35

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 APRIL 6, 2012 097-098	
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: 33h 12m 30s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	<p>1200 RTLT 33h 12m 28s</p> <p>0000 RTLT 33h 12m 26s</p> <p>2040 | TAPPOS | 2216</p> <p>2342 | 2343 PWS/RH</p> <p>0150 | TAPPOS | 0311</p> <p>↓ 2342 GS-4B 2343</p>
FDS MODE XB DATA RATE(MI)	<p>CR-5T 160(32)</p> <p>CR-5T 160(32)</p>
31 DSN COVERAGE	<p>1345 | 14 [D] | 1740</p> <p>10 10</p> <p>40</p> <p>60</p>
32 DSN COVERAGE	<p>1715 | 34 [D] | 2125</p> <p>40</p>
S/C 32 INITIAL CONDITIONS RTLTL: 27h 13m 38s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	<p>1200 RTLT 27h 13m 34s</p> <p>0000 RTLT 27h 13m 32s</p>
FDS MODE XB DATA RATE(MI)	<p>CR-5T 160(32)</p>
VGR COVERAGE	ON CALL
NOTES	[1] S/C 31=GS-4B @ 2342 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: APR 06 Page 9 of 33 APR 07	

ISSUE DATE: 04/10/12 14:35

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	
SATURDAY APRIL 7, 2012 098-099																										
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: 33h 12m 26s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 33h 12m 26s												█ 0000 RTLT 33h 12m 24s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	|----- 14 [D] -----| 0825 - 1315												|----- 10 -----|													
	|----- 10 -----|												|----- 40 -----|													
	|----- 60 -----|												0005 |----- 63 [D] -----| 0425													
													|----- 60 -----|													
32 DSN COVERAGE													1440 |----- 43 [D] -----| 1840													
													|----- 40 -----|													
S/C 32 INITIAL CONDITIONS RTLT: 27h 13m 32s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 27h 13m 30s												█ 0000 RTLT 27h 13m 26s													
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:	APR 07													APR 08												

ISSUE DATE: 04/10/12 14:35

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 APRIL 8, 2012 099-100																										
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: 33h 12m 24s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 33h 12m 24s												█ 0000 RTLT 33h 12m 22s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	..... 10 .....												|..... 10											
	|..... 40 .....												|..... 60											
	..... 60												0145 |----- 63 [D] -----| 0605												
32 DSN COVERAGE	1140 |----- 43 [o] -----| 1730												|..... 40												
S/C 32 INITIAL CONDITIONS RTLT: 27h 13m 26s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 27h 13m 24s												█ 0000 RTLT 27h 13m 22s													
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:	APR 08													APR 09												

ISSUE DATE: 04/10/12 14:35

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 APRIL 9, 2012 100-101																									
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: 33h 12m 22s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 33h 12m 22s												█ 0000 RTLT 33h 12m 20s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	|----- 14 [D] -----| 0840 - 1145												|----- 10 -----|												
	|----- 10 -----|												|----- 40 -----|												
	|----- 60 -----|												|----- 60 -----|												
32 DSN COVERAGE	|----- 1540 -----|												|----- 43 [D] -----| 2040												
	|----- 40 -----|												|----- 40 -----|												
S/C 32 INITIAL CONDITIONS RTLT: 27h 13m 22s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 27h 13m 18s												█ 0000 RTLT 27h 13m 16s												
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:	APR 09												APR 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			
TUESDAY APRIL 10, 2012 101-102																												
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: 33h 12m 20s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 33h 12m 20s												█ 0000 RTLTL 33h 12m 20s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> 0950 |-----| 14 [D] |-----| 1410 2335 |-----| 63 |-----| 0420 </div> <hr/> <div style="display: flex; justify-content: space-between;"> 60 40 10 </div>																											
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> 1315 |-----| 43 [D] |-----| 1815 </div> <hr/> <div style="display: flex; justify-content: space-between;"> 40 </div>																											
S/C 32 INITIAL CONDITIONS RTLTL: 27h 13m 16s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 27h 13m 12s												█ 0000 RTLTL 27h 13m 10s															
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 @ 1718 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:	APR 10														APR 11													

ISSUE DATE: 04/10/12 14:35

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 APRIL 11, 2012 102-103																												
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S/C 31 INITIAL CONDITIONS RTLTL: 33h 12m 20s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 12m 18s												0000 RTLTL 33h 12m 18s															
FDS MODE														CR-5T														
XB DATA RATE(MI)														160(32)														
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 13m 10s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 27h 13m 8s												0000 RTLTL 27h 13m 4s															
	<ul style="list-style-type: none"> ▼ 1545 DUMMY (18:58) ▼ 1549 EL-40 (19:02) ▼ 1610 CCSL B155B (19:24) ▼ 1627 MEMUPD'S & MRO'S - ECR 111076 & 111200 (19:40) ▼ 1637 TLMPRG (19:50) ▼ 1649 CR-5T (20:02) 																											
FDS MODE														CR-5T														
XB DATA RATE(MI)														160(32)														
VGR COVERAGE	ON CALL							VGR							ON CALL													
NOTES																												
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ISSUE DATE: 04/10/12 14:35

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S/C 31 INITIAL CONDITIONS RTLTL: 33h 12m 18s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 33h 12m 16s												█ 0000 RTLTL 33h 12m 16s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	..... 10 .....										..... 10													
	|..... 40 .....										|..... 40													
	..... 60										0005 |----- 63 [D] -----| 0405 60														
32 DSN COVERAGE	|..... 1715 |----- 43 [D] -----| 2140 .....										|..... 40													
S/C 32 INITIAL CONDITIONS RTLTL: 27h 13m 4s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 27h 13m 2s												█ 0000 RTLTL 27h 12m 58s													
	1903 EL-40 ↓												1928 * 1933 B155B CHKSUM 1941 * 1942 MEMUPD'S - ECR'S 111076 & 111200 1944 * 1947 6 SID MRO'S 1951 * 2001 TLMPRG 2003 CR-5T ↓													
FDS MODE	CR-5T												EL-40													
XB DATA RATE(MI)	160(32)												40(30)													
VGR COVERAGE	ON CALL												VGR													
NOTES	[1] S/C 32 EL-40 XB=40(30) @ 1903												[2] S/C 32 CR-5T XB=160(32) @ 2003													
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FRIDAY APRIL 13, 2012 104-105																												
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S/C 31 INITIAL CONDITIONS RTLTL: 33h 12m 16s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 33h 12m 16s												█ 0000 RTLTL 33h 12m 14s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	.....10.....|												|.....10.....													
	|.....40.....|												|.....60.....													
	.....60.....|												|.....0020.....63 [D].....0420.....60.....													
32 DSN COVERAGE	|.....1315.....45 [D].....1715.....40.....|																											
S/C 32 INITIAL CONDITIONS RTLTL: 27h 12m 58s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 27h 12m 56s												█ 0000 RTLTL 27h 12m 54s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
VGR COVERAGE													ON CALL															
NOTES	[1] S/C 31=GS-4B @ 2318 XB=2.8K(41) NOT RECOVERABLE																											
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ISSUE DATE: 04/10/12 14:35

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SATURDAY APRIL 14, 2012 105-106																										
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S/C 31 INITIAL CONDITIONS RTLTL: 33h 12m 14s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 33h 12m 14s												█ 0000 RTLTL 33h 12m 14s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	1105 |-----| 14 [D] |-----| 1620												|-----| 10 |-----|													
	|-----| 10 |-----|												|-----| 40 |-----|													
	|-----| 60 |-----|												2225 |-----| 63 [T] |-----| 0405													
	|-----| 60 |-----|												|-----| 60 |-----|													
32 DSN COVERAGE	1435 |-----| 43 [1,H,o] |-----| 1805												|-----| 40 |-----|													
S/C 32 INITIAL CONDITIONS RTLTL: 27h 12m 54s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 27h 12m 50s												█ 0000 RTLTL 27h 12m 48s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												ON CALL													
NOTES	[1] S/C 32 B155B 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	
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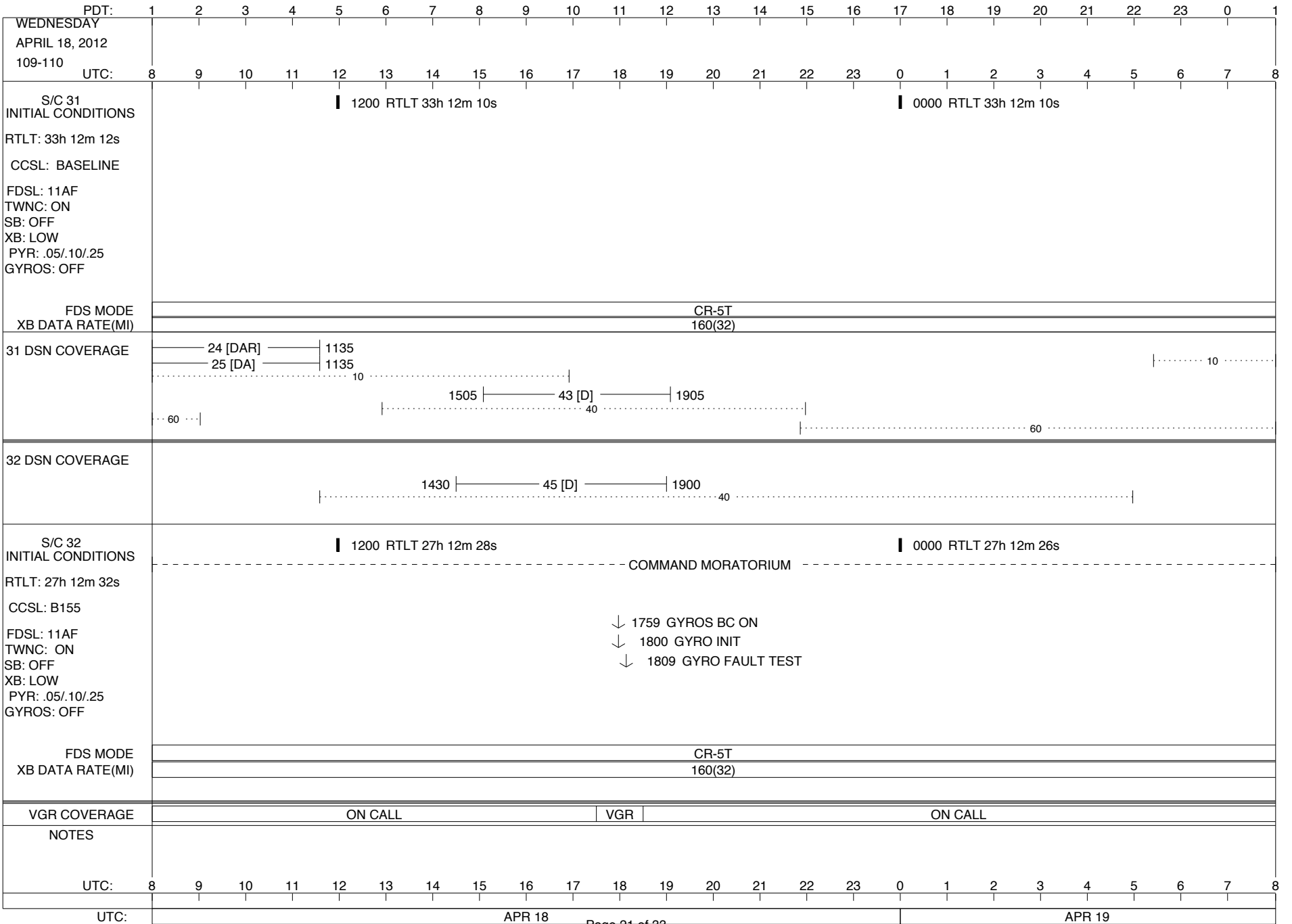
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S/C 31 INITIAL CONDITIONS RTLTL: 33h 12m 14s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> 1200 RTLTL 33h 12m 14s 0000 RTLTL 27h 12m 42s </div> <p style="text-align: center;">TLC (SHORT-FORM)</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE 10																				0700 14 [D]						
										 40 10						
	... 60 60						
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> 1605 ----- 34 [D] ----- 2130 </div>																										
S/C 32 INITIAL CONDITIONS RTLTL: 27h 12m 48s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> 1200 RTLTL 27h 12m 46s 0000 RTLTL 27h 12m 42s </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE	ON CALL																										
NOTES																											
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ISSUE DATE: 04/10/12 14:35

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S/C 31 INITIAL CONDITIONS RTLTL: 33h 12m 14s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> -- TLC (SHORT-FORM) D/L - 0930 ↓ 0145 END SEQUENCE A082 </div>																									
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>14 [D] 1130</p> <p>..... 10</p> <p>..... 60</p> <p>..... 60</p> </div> <div style="width: 10%; text-align: center;">0530</div> <div style="width: 40%;"> <p>..... 14 [D]</p> <p>..... 10</p> <p>0230 55 [DAR] 0410 0230 65 [DA] 0410</p> <p>..... 60</p> </div> </div>																									
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>..... 1510 45 [D] 1910</p> <p>..... 40</p> </div> </div>																									
S/C 32 INITIAL CONDITIONS RTLTL: 27h 12m 42s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 27h 12m 40s												█ 0000 RTLTL 27h 12m 36s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE	ON CALL																									
NOTES																										
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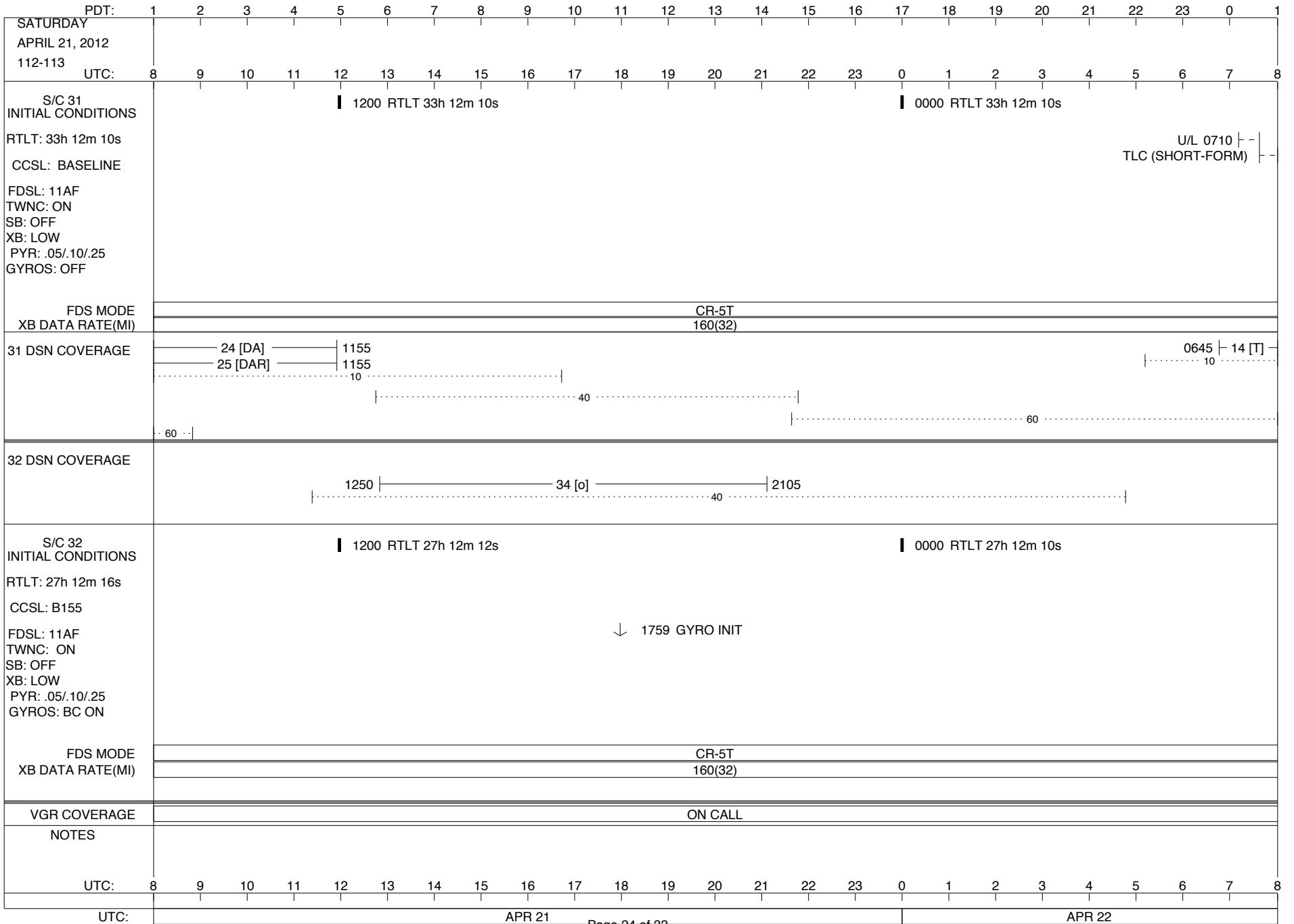
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FRIDAY APRIL 20, 2012 111-112																										
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S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 10s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 12m 10s												0000 RTLT 33h 12m 10s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	15 [DA] 0835 - 1235 25 [DAR] 0835 - 1235												24 [DA] 0740 25 [DAR] 0740													
32 DSN COVERAGE	1235 45 [D] 2025												0215 63 [D] 0510													
S/C 32 INITIAL CONDITIONS RTLT: 27h 12m 20s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	1200 RTLT 27h 12m 18s												0000 RTLT 27h 12m 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 @ 2254 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	
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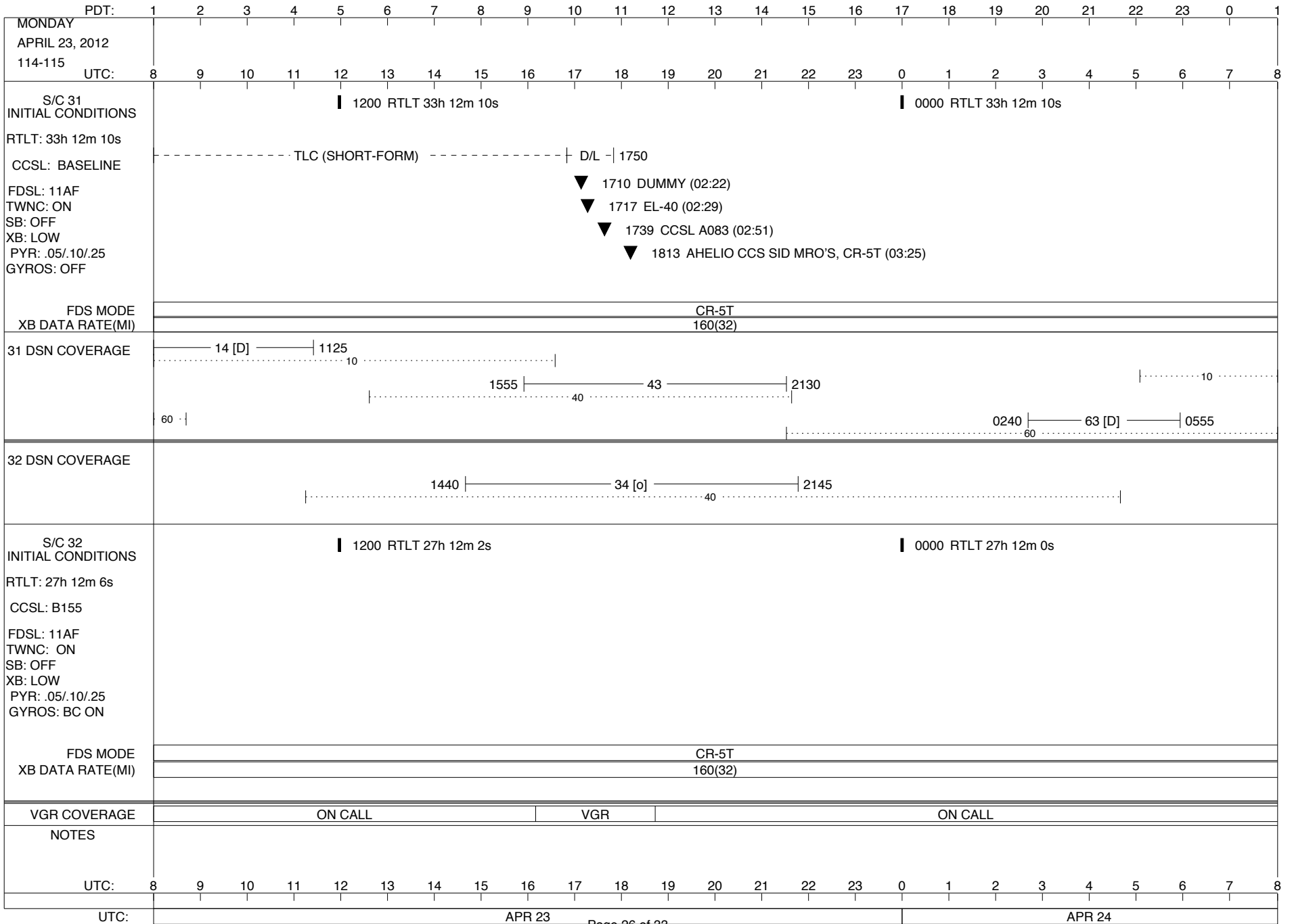
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SUNDAY APRIL 22, 2012 113-114																										
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S/C 31 INITIAL CONDITIONS	█ 1200 RTLT 33h 12m 10s												█ 0000 RTLT 33h 12m 10s													
RTLTL: 33h 12m 10s	----- TLC (SHORT-FORM) -----																									
CCSL: BASELINE																										
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	14 [T] | 1130												0645 | 14 [D]													
													
	|.....40.....|												|.....10.....|													
	|.....60.....|												|.....60.....|													
32 DSN COVERAGE	1420 | 43 [o] | 1805																									
	|.....40.....|																									
S/C 32 INITIAL CONDITIONS	█ 1200 RTLT 27h 12m 8s												█ 0000 RTLT 27h 12m 6s													
RTLTL: 27h 12m 10s																										
CCSL: B155																										
FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON																										
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	
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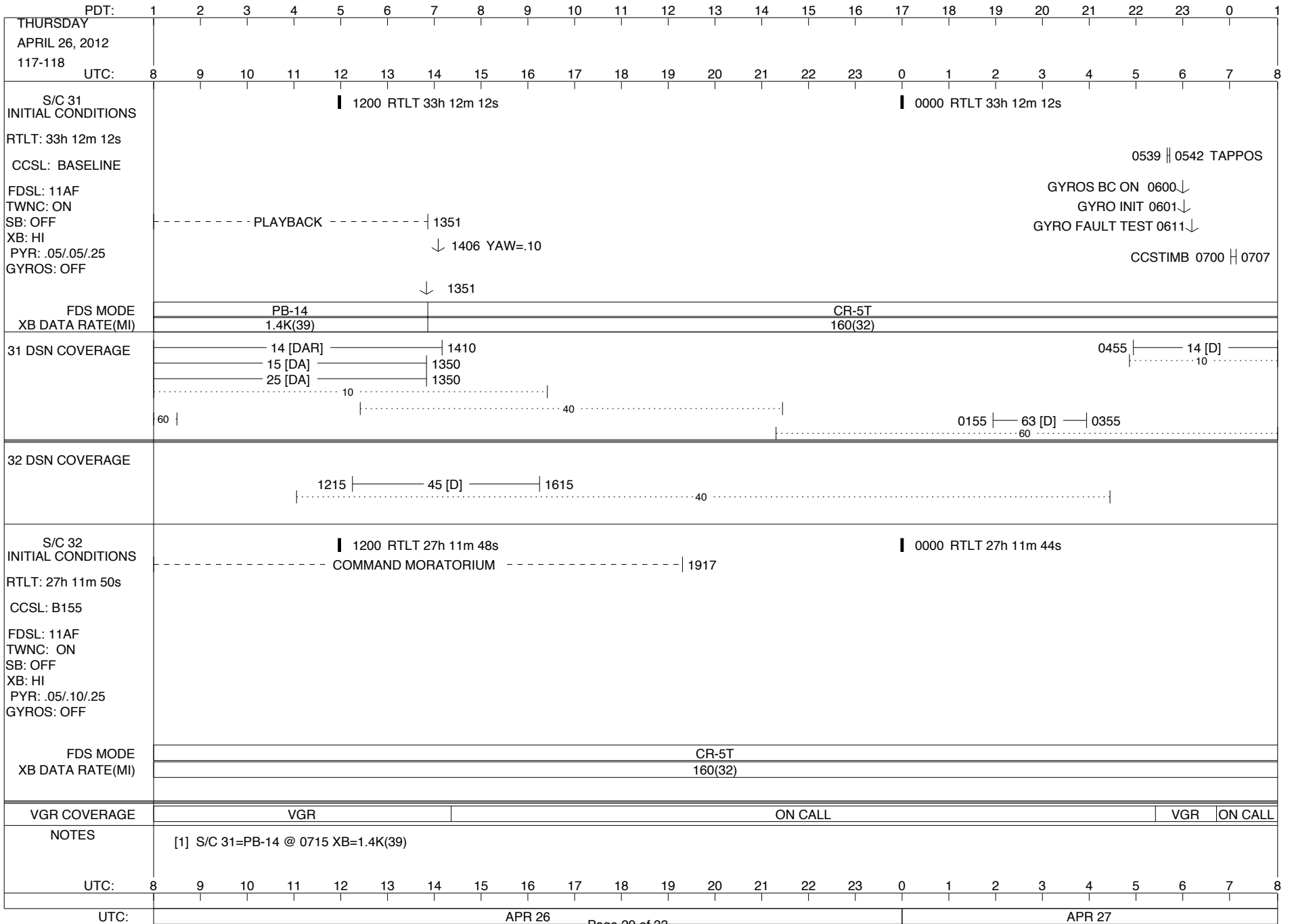
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TUESDAY APRIL 24, 2012 115-116																												
S/C 31 INITIAL CONDITIONS RTLTL: 33h 12m 10s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 33h 12m 10s														0000 RTLTL 33h 12m 10s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	0920 | 15 [DAR] | 1150 0920 | 24 [DA] | 1150 10														1630 | 1631 PWS/RH ↓ 1630 GS-4B 1631 0231 EL-40 ↓ ↓ 0330 CR-5T 0205 | 65 [DAR] | 0505 0205 | 55 [DA] | 0505 60 60													
32 DSN COVERAGE	1535 | 45 [D] | 2110 40																											
S/C 32 INITIAL CONDITIONS RTLTL: 27h 12m 0s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	1200 RTLTL 27h 11m 58s 1324 |-----| COMMAND MORATORIUM														0000 RTLTL 27h 11m 54s													
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL														VGR				ON CALL									
NOTES	[1] S/C 31=GS-4B @ 1630 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=EL-40 XB=40(30) @ 0231 [3] S/C 31=CR-5T XB=160(32) @ 0331																											
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UTC:	APR 24														APR 25													

ISSUE DATE: 04/10/12 14:35

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WEDNESDAY APRIL 25, 2012 116-117																														
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S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 10s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 12m 12s												0000 RTLT 33h 12m 12s																	
													BAY 1 HTR OFF 0607 ↓ X/B HI POWER 0611 ↓																	
	0830 TAPPOS												YAW=.05 0707 ↓ PLAYBACK 0716 ↓																	
	MAGCAL 0809 - 1111																													
	PESCAL 0809 - 1129																													
													0716 ↓																	
FDS MODE	CR-5T																													
XB DATA RATE(MI)	160(32)																													
31 DSN COVERAGE	14 [D] 0810 - 1510												0535 14 [DAR] 0645 15 [DA] 0645 25 [DA]																	
	10												10																	
	40												60																	
	60												60																	
32 DSN COVERAGE	1530 43 [D] 2330																													
	40																													
S/C 32 INITIAL CONDITIONS RTLT: 27h 11m 54s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	1200 RTLT 27h 11m 52s												0000 RTLT 27h 11m 50s																	
	----- COMMAND MORATORIUM -----																													
	↓ 1606 BAY 1 HTR OFF																													
	↓ 1610 X/B HI POWER																													
	↓ 1630 AAI																													
	1632 ----- MAGROL ----- 2229																													
													↓ 2221 RAI																	
													↓ 2229 GYROS OFF																	
													↓ 2229 CRU																	
FDS MODE	CR-5T																													
XB DATA RATE(MI)	160(32)																													
VGR COVERAGE	ON CALL												VGR						ON CALL						VGR					
NOTES	[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (1632-2228)																													
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					
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ISSUE DATE: 04/10/12 14:35



ISSUE DATE: 04/10/12 14:35

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S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 12s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 33h 12m 14s												█ 0000 RTLT 33h 12m 14s															
	1928 █ 1929 TAPPOS												2230 █ 2231 PWS/RH															
													U/L 0015 | - | - - - - - TLC (SHORT-FORM) - - - - -															
													0038 | - | 0053 TAPPOS															
													↓ 2230 GS-4B 2231															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	14 [D] ----- | 1345												----- | 10															
	----- | 10												----- | 40															
	60 |												----- | 2350															
													----- | 63 [T] ----- | 0435															
	60 |												----- | 60															
32 DSN COVERAGE	----- | 1525												----- | 45 [D] ----- | 1945															
													----- | 40															
S/C 32 INITIAL CONDITIONS RTLT: 27h 11m 44s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 27h 11m 42s												█ 0000 RTLT 27h 11m 40s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
VGR COVERAGE													ON CALL															
NOTES	[1] S/C 31=GS-4B @ 2230 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			
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ISSUE DATE: 04/10/12 14:35

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SATURDAY APRIL 28, 2012 119-120																												
S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 14s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 33h 12m 14s														█ 0000 RTLT 33h 12m 14s													
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
31 DSN COVERAGE	<p>.....|.....10.....|</p> <p>.....|.....1525 |----- 43 [D] -----| 1815 .....|.....10.....</p> <p>.....|.....|.....40.....|.....|.....</p> <p>.....|.....|.....2320 |----- 65 [DAR] -----| 0510</p> <p>.....|.....|.....2320 |----- 54 [DA] -----| 0510</p> <p>.....|.....60.....|.....|.....60.....</p>																											
32 DSN COVERAGE	<p>.....|.....1535 |----- 34 [o] -----| 2030 .....|.....</p> <p>.....|.....|.....40.....|.....|.....</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 27h 11m 40s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 27h 11m 38s														█ 0000 RTLT 27h 11m 36s													
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:	APR 28														APR 29													

ISSUE DATE: 04/10/12 14:35

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			
SUNDAY APRIL 29, 2012 120-121																												
S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 14s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 12m 16s														0000 RTLT 33h 12m 16s													
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)													
31 DSN COVERAGE	<p>0905 | 24 [DAR] | 1215 0905 | 25 [DA] | 1215 10</p> <p>..... 40</p> <p>0115 | 65 [DA] | 0545 0115 | 55 [DAR] | 0545 60</p>																											
32 DSN COVERAGE	<p>..... 1340 | 34 [o] | 2020 40</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 27h 11m 36s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	1200 RTLT 27h 11m 32s														0000 RTLT 27h 11m 30s													
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:	APR 29														APR 30													

ISSUE DATE: 04/10/12 14:35

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 APRIL 30, 2012 121-122																											
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: 33h 12m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 33h 12m 18s</p> </div>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p>0845 |----- 14 [D] -----| 1345 .....|----- 40 -----|</p>																										
32 DSN COVERAGE	<p>1635 |----- 34 [o] -----| 1920</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 27h 11m 30s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 27h 11m 28s</p> </div>																										
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:	APR 30													MAY 01													