

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: March 23, 2016

For the Period: 03/24/16 to 04/10/16 (16-084 – 16-101)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

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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

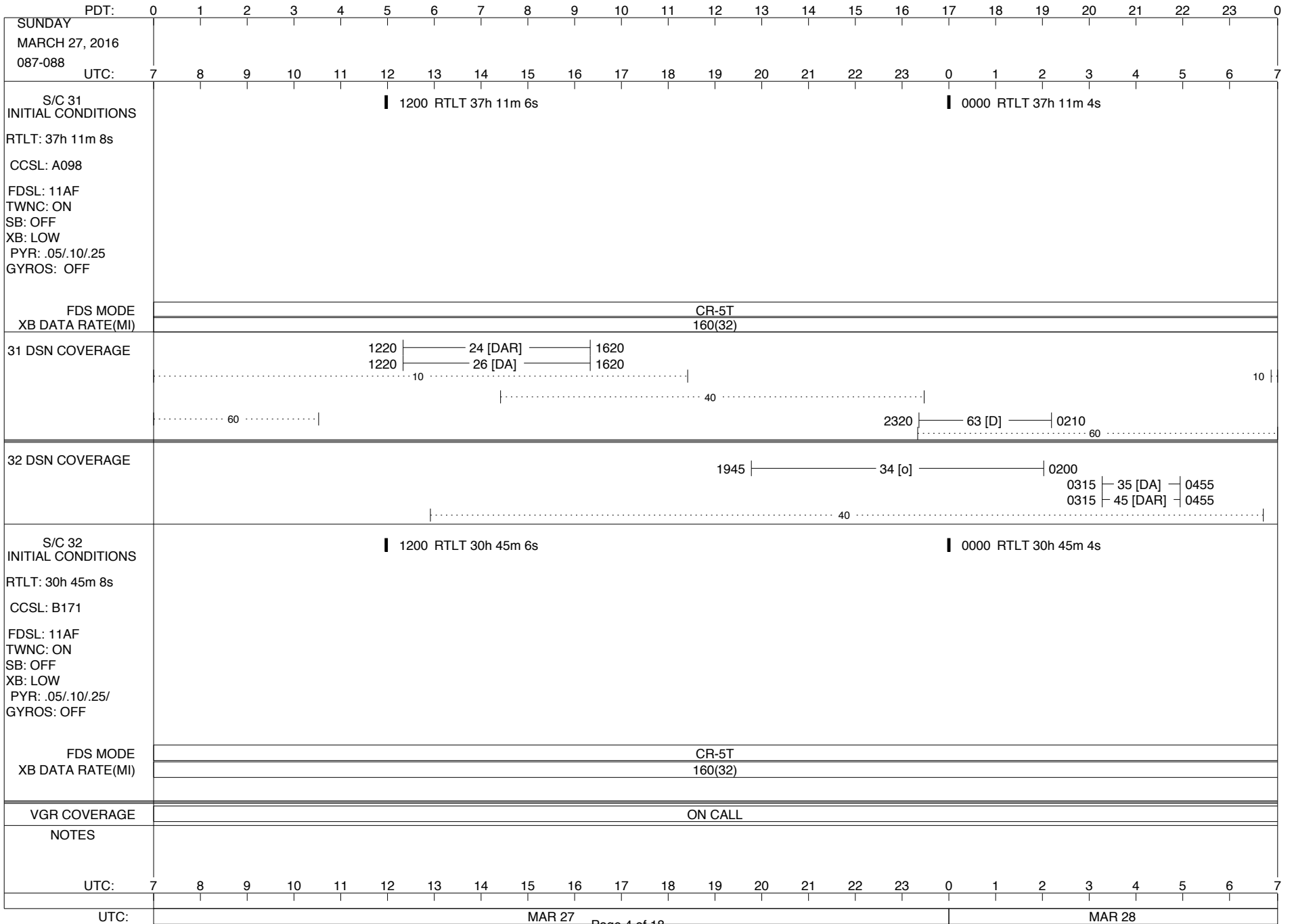
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 11m 18s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLTL 37h 11m 16s												0000 RTLTL 37h 11m 16s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1105 |-----| 24 [DA] |-----| 1645 1105 |-----| 25 [DAR] |-----| 1645 10 60												TAPPOS 2117 | 2129 PWS/RH 0018 | 0020 TAPPOS 0030 | 0056 0018 GS-4B 0020 2335 |-----| 63 [DA] |-----| 0100 |-----| 54 [DA] |-----| 0100 |-----| 55 [DAR] |-----| ..... 40 60												
32 DSN COVERAGE	..... 40												0050 | 34 [D] | 0215 0300 - 0650 |-----| 43 [B] |-----|												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 45m 22s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 30h 45m 20s												0000 RTLTL 30h 45m 18s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												VGR												
NOTES	[1] S/C 31=GS-4B @ 0018 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (0145-0740)																								
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UTC:	MAR 24												MAR 25												

ISSUE DATE: 03/23/16 12:13

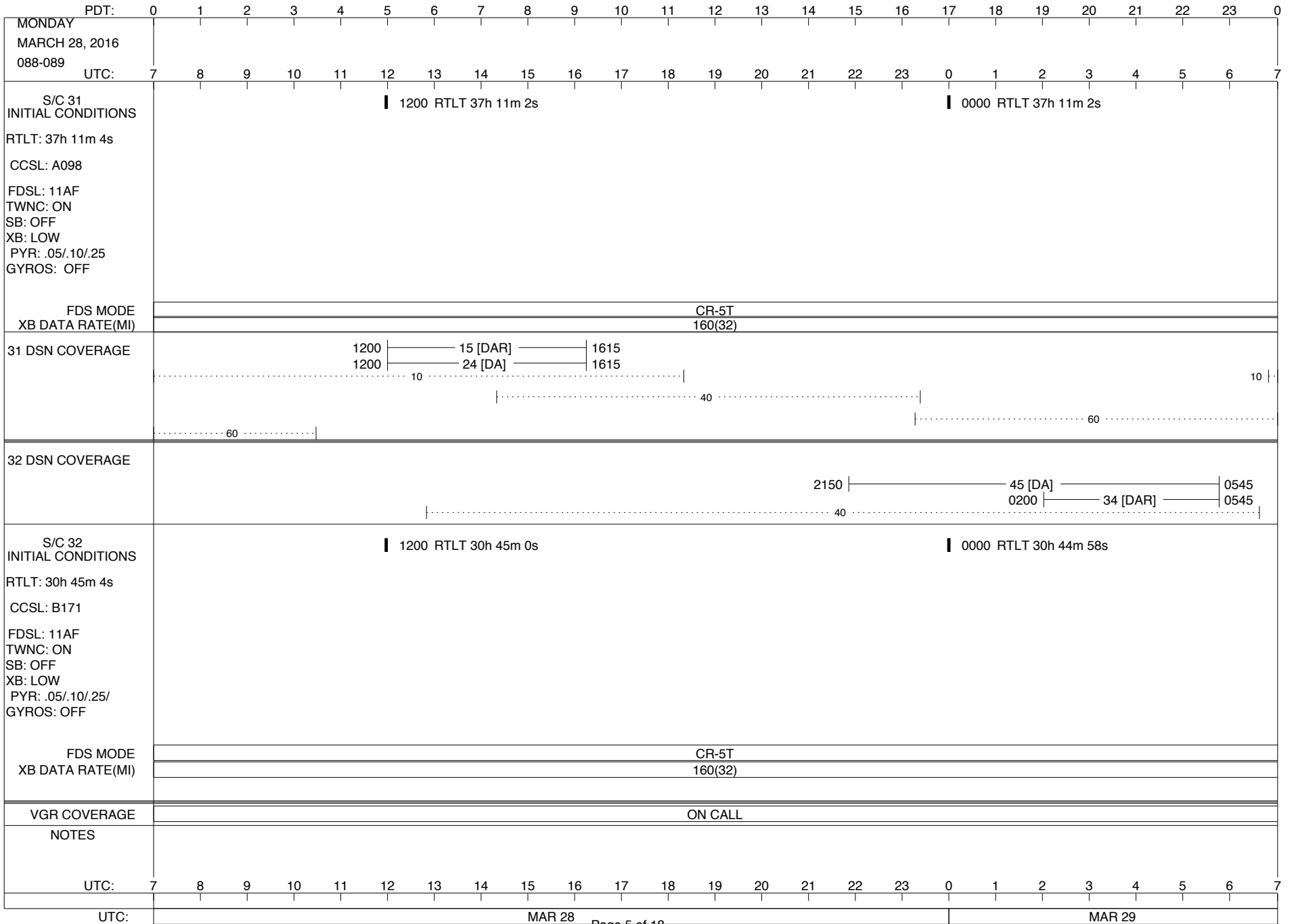
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FRIDAY MARCH 25, 2016 085-086																													
S/C 31 INITIAL CONDITIONS RTLT: 37h 11m 16s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON		1200 RTLT 37h 11m 14s												0000 RTLT 37h 11m 12s															
FDS MODE														CR-5T															
XB DATA RATE(MI)														160(32)															
31 DSN COVERAGE		<p>Timeline for 31 DSN COVERAGE (UTC 7 to 6):</p> <ul style="list-style-type: none"> 0700 - 1025: 63 [DA] 0730 - 0930: 54 [DA] 0740 - 0930: 55 [DAR] 0740 - 1025: 1025 1300 - 1700: 43 [o] 2105 - 0210: 34 [D] 0500 - 0600: 65 [DAR] 0500 - 0600: 54 [DA] 0600 - 0600: 60 																											
32 DSN COVERAGE		<p>Timeline for 32 DSN COVERAGE (UTC 7 to 6):</p> <ul style="list-style-type: none"> 1300 - 1700: 43 [o] 2105 - 0210: 34 [D] 0400 - 0600: 40 																											
S/C 32 INITIAL CONDITIONS RTLT: 30h 45m 18s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF		1200 RTLT 30h 45m 16s												0000 RTLT 30h 45m 12s															
FDS MODE														CR-5T															
XB DATA RATE(MI)														160(32)															
VGR COVERAGE		VGR																									ON CALL		
NOTES																													
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UTC:		MAR 25												MAR 26															

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SATURDAY MARCH 26, 2016 086-087	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: 37h 11m 12s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 37h 11m 10s												| 0000 RTLTL 37h 11m 8s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	.....10.....|												.....40.....|												
	65 [DAR] | 0925												34 [o] | 2350												
	54 [DA] | 0925												.....60.....|												
	60.....|												.....60.....|												
32 DSN COVERAGE	.....1915.....|												.....2350.....|												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 45m 12s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	| 1200 RTLTL 30h 45m 10s												| 0000 RTLTL 30h 45m 8s												
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 @ 0318 XB=2.8K(41) NOT RECOVERABLE																								
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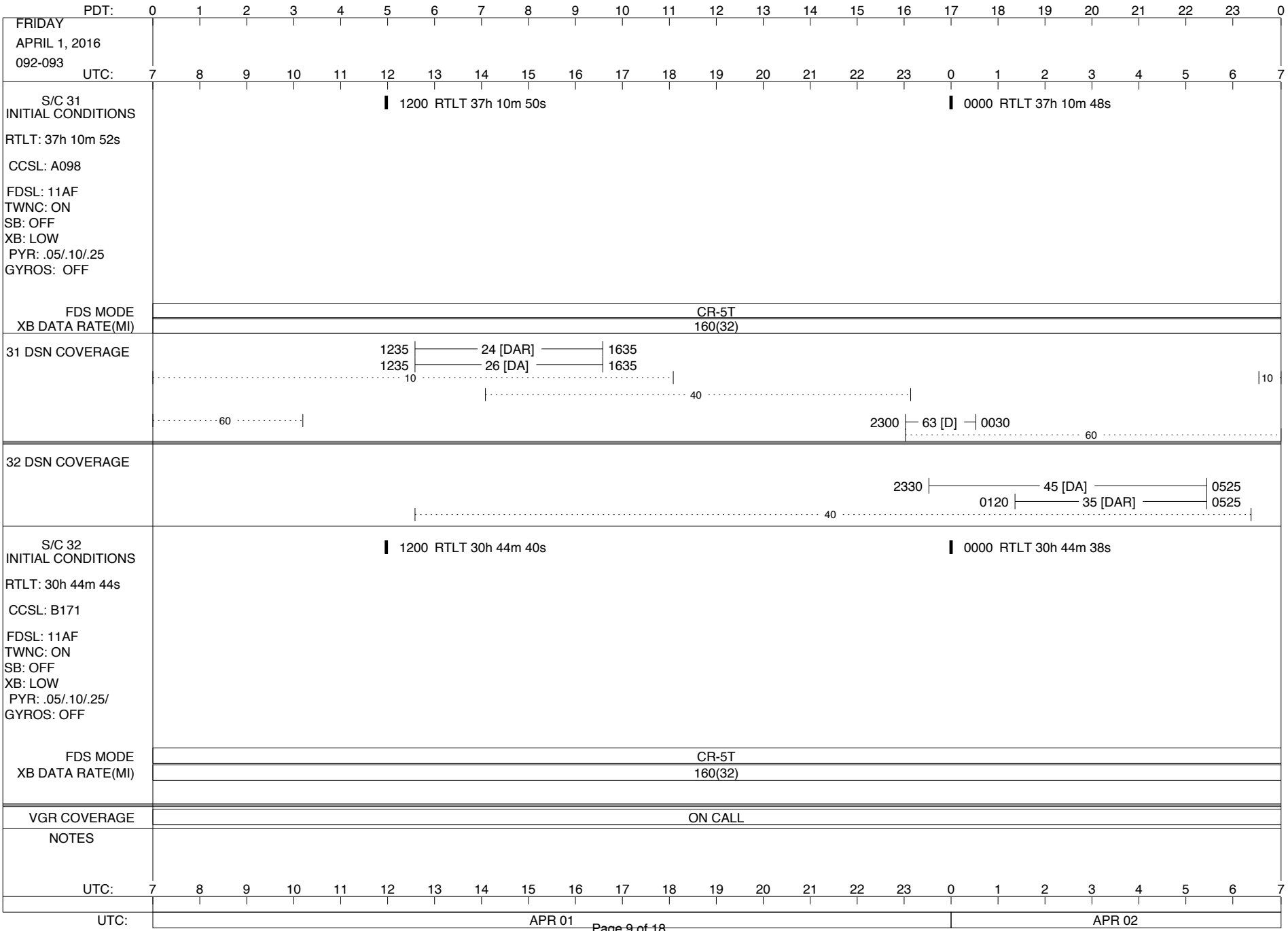
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WEDNESDAY MARCH 30, 2016 090-091																										
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 10m 58s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 10m 56s												0000 RTLTL 37h 10m 54s													
	0932 | --- MAGCAL --- | 1234 0932 | --- PESCAL --- | 1252												----- TLC (SHORT-FORM) -----													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	0905 |----- 15 [DAR] -----| 1305 0905 |----- 26 [DA] -----| 1305												10 |----- 40 -----| 60													
32 DSN COVERAGE	|----- 40 -----|												0230 - 0630 |----- 43 [D] -----|													
S/C 32 INITIAL CONDITIONS RTLTL: 30h 44m 54s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	| 1200 RTLTL 30h 44m 50s												| 0000 RTLTL 30h 44m 48s													
													ECR 114132 PART 2 0306 |---*| 0402 TLMPRG 0406 |*| 0411 CCSA MRO 0424 |*| 0430 CCSB MRO 0436 |*| 0444 CCSA MRO - REDUNDANT 0508 |*| 0514 CCSB MRO - REDUNDANT 0521 |*| 0528 EL-40 0244* | CR-5T 0530*													
FDS MODE	CR-5T												EL-40				CR-5T									
XB DATA RATE(MI)	160(32)												40(30)				160(32)									
VGR COVERAGE	ON CALL												VGR													
NOTES	[1] S/C 32=EL-40 @ 0244 XB=40(30) [2] S/C 32=CR-5T @ 0530 XB=160(32)																									
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UTC:	MAR 30												MAR 31													

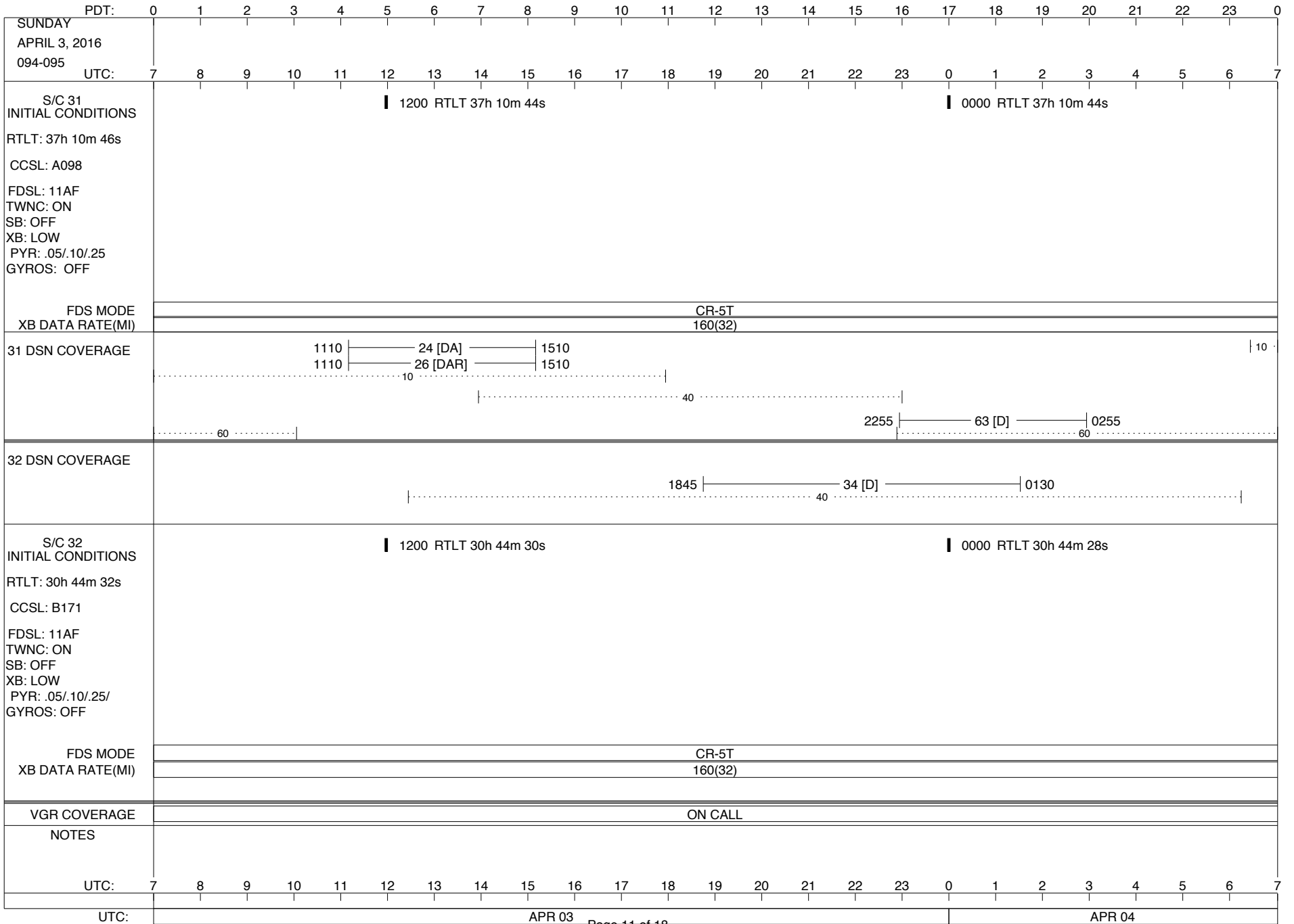
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 10m 54s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 10m 54s												0000 RTLTL 37h 10m 52s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1120 |-----| 15 [DAR] |-----| 1545 1120 |-----| 24 [DA] |-----| 1545 10 40 60												2052 | - | 2119 TAPPOS 2354 || 2356 PWS/RH 0006 | - - | 0046 TAPPOS ↓ 2354 GS-4B 2356												
32 DSN COVERAGE	1845 |-----| 43 [H2o] |-----| 2245 40												0035 |-----| 35 [DA] |-----| 0525 0145 |-----| 45 [DAR] |-----| 0525												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 44m 48s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 30h 44m 46s												0000 RTLTL 30h 44m 44s												
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 @ 2354 XB=2.8K(41) NOT RECOVERABLE [2] ECR 114132 BACKUP U/L TRACK																								
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:	MAR 31												APR 01												

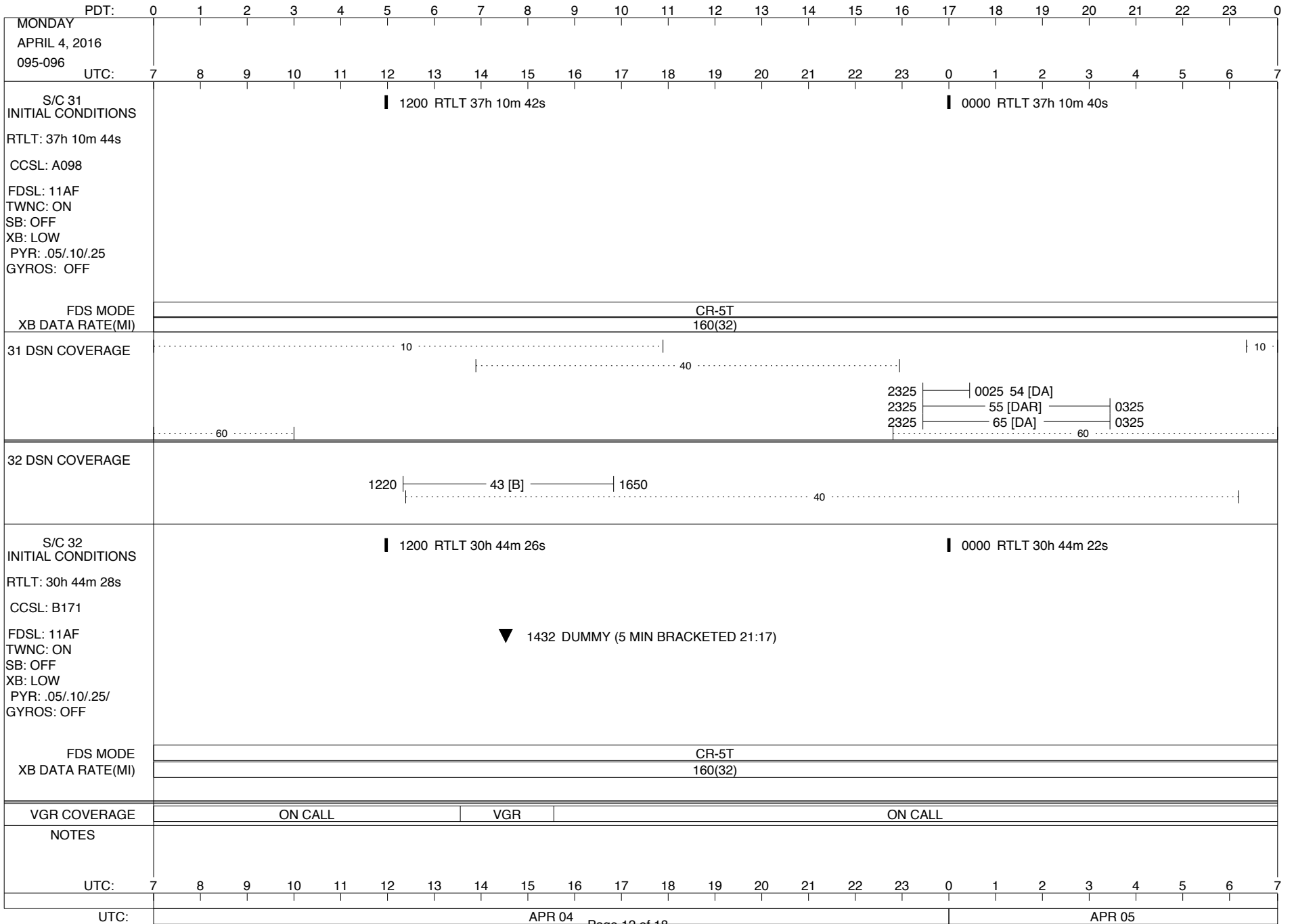


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S/C 31 INITIAL CONDITIONS RTLT: 37h 10m 48s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 10m 48s												0000 RTLT 37h 10m 46s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1215 |-----| 25 [DAR] |-----| 1630 1215 |-----| 26 [DA] |-----| 1630												2255 |-----| 63 [D] |-----| 0145												
32 DSN COVERAGE	0320 - 0620 |-----| 43 [D] |-----|																								
S/C 32 INITIAL CONDITIONS RTLT: 30h 44m 38s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 44m 36s												0000 RTLT 30h 44m 32s												
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 @ 0254 XB=2.8K(41) NOT RECOVERABLE																								
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
UTC:	APR 02												APR 03												



ISSUE DATE: 03/23/16 12:13



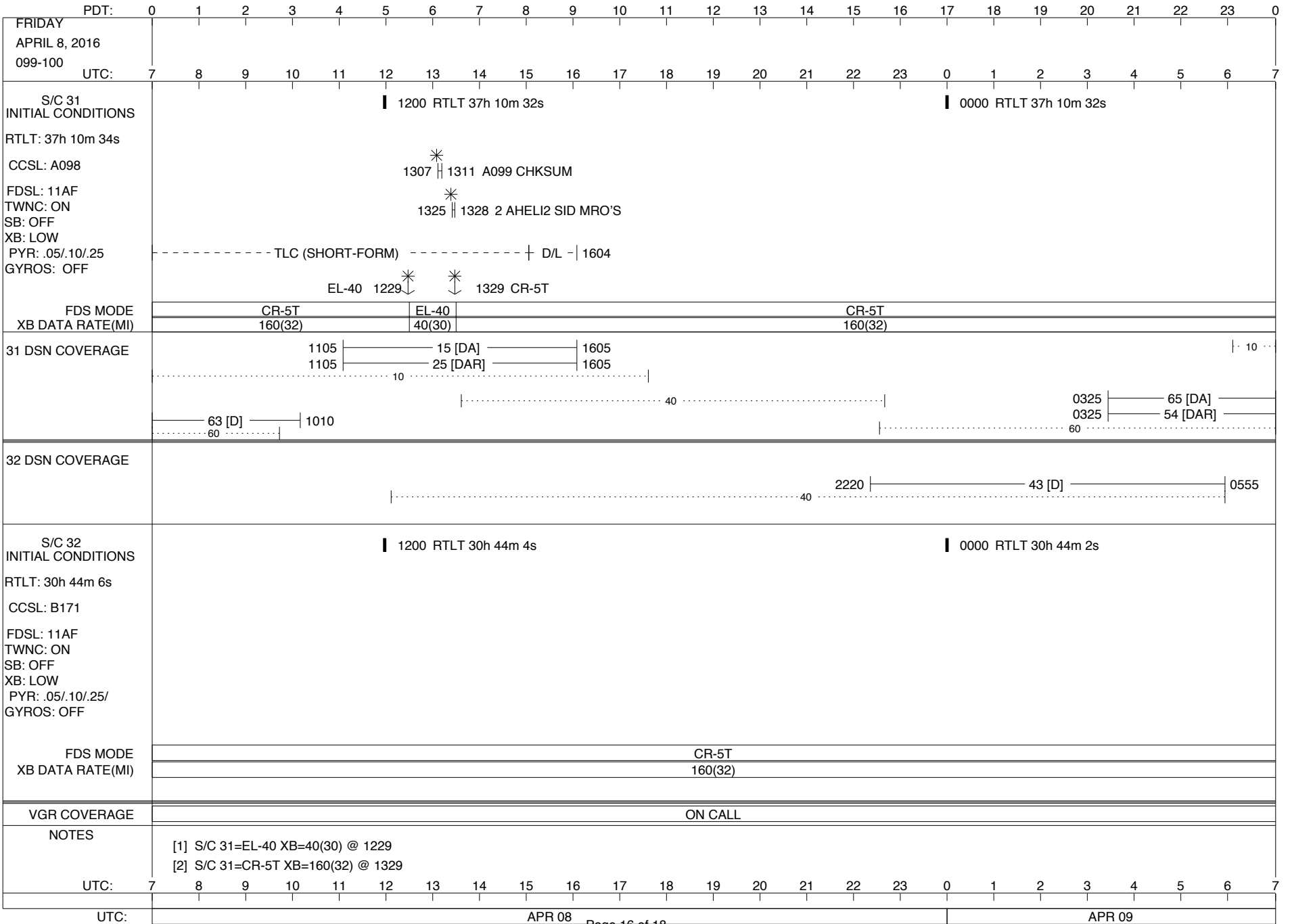
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TUESDAY APRIL 5, 2016 096-097																									
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 10m 40s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 10m 40s												0000 RTLTL 37h 10m 38s												
	1717 | 1718 PWS/RH																								
	↓ 1717 GS-4B 1718																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	.....| 10 .....												.....| 10											
	.....| 40 .....												.....| 40											
	.....| 60 .....												.....| 60											
	.....| 0300 - 0700 | 63 [D] .....												.....| 60											
32 DSN COVERAGE	.....| 1855 | 34 [D] | 0015 .....												.....| 40											
S/C 32 INITIAL CONDITIONS RTLTL: 30h 44m 22s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	| 1200 RTLTL 30h 44m 20s												| 0000 RTLTL 30h 44m 18s												
	1858 | PLSCAL - | 2040																								
	1858 | --- MAGCAL --- | 2200																								
	1858 | --- PESCAL --- | 2218																								
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 1717 XB=2.8K(41) NOT RECOVERABLE																								
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UTC:	APR 05												APR 06												

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WEDNESDAY																											
APRIL 6, 2016																											
097-098																											
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S/C 31 INITIAL CONDITIONS								1200	RTLTL	37h	10m	36s							0000	RTLTL	37h	10m	36s				
RTLT: 37h 10m 38s																											
CCSL: A098																											
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		.....|.....10.....|.....										.....|.....40.....|.....|.....10.....														
		0700 63 [D]														2240		63 [T]				0240					
		60																				60					
32 DSN COVERAGE												.....|.....40.....|.....2255.....|.....43 [D].....|.....0445.....														
S/C 32 INITIAL CONDITIONS							|	1200	RTLTL	30h	44m	14s						|	0000	RTLTL	30h	44m	12s				
RTLT: 30h 44m 18s																											
CCSL: B171																											
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										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:		APR 06													APR 07												

ISSUE DATE: 03/23/16 12:13

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THURSDAY APRIL 7, 2016 098-099																										
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 10m 36s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 10m 34s												0000 RTLT 37h 10m 34s													
													2028 |--| 2108 TAPPOS 2330 | 2331 PWS/RH 2342 |----| 0036 TAPPOS													
	----- TLC (SHORT-FORM) -----																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	1410 | 25 [DAR] | 1610 1410 | 26 [DA] | 1610												0210 | 63 [D] |													
	..... 10 ..... | ..... 40 ..... |												..... 60 ..... | ..... 60 ..... |													
32 DSN COVERAGE													2315 | 45 [DA] | 0440 0115 | 35 [DAR] | 0440													
	..... 40 ..... |												..... 40 ..... |													
S/C 32 INITIAL CONDITIONS RTLTL: 30h 44m 12s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 44m 10s												0000 RTLT 30h 44m 6s													
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 @ 2330 XB=2.8K(41) NOT RECOVERABLE																									
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UTC:	APR 07												APR 08													



ISSUE DATE: 03/23/16 12:13

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FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE10.....																							
	- 65 [DA] 0830											40.....												
	54 [DAR] 0830																							
	60.....												2235 63 [D] 0120												
												60.....												
32 DSN COVERAGE	1200 43 [o] 1600												0250 43 [D] 0550												
40.....												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 44m 2s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 30h 43m 58s												0000 RTLTL 30h 43m 56s												
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 @ 0230 XB=2.8K(41) NOT RECOVERABLE																								
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ISSUE DATE: 03/23/16 12:13

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S/C 31 INITIAL CONDITIONS RTLT: 37h 10m 30s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 10m 28s																																																			
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)																																						
31 DSN COVERAGE	<table border="0"> <tr> <td>0950</td><td> </td><td>15 [DA]</td><td> </td><td>1455</td> </tr> <tr> <td>0950</td><td> </td><td>25 [DAR]</td><td> </td><td>1455</td> </tr> <tr> <td colspan="5">..... </td> </tr> <tr> <td colspan="5">40..... </td> </tr> <tr> <td colspan="5">.....60..... </td> </tr> </table>																											0950		15 [DA]		1455	0950		25 [DAR]		145540.....				60.....				
0950		15 [DA]		1455																																																
0950		25 [DAR]		1455																																																
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32 DSN COVERAGE																																																				
S/C 32 INITIAL CONDITIONS RTLT: 30h 43m 56s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 43m 54s																																																			
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)																																						
VGR COVERAGE	ON CALL																																																			
NOTES																																																				
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7																											
UTC:	APR 10													APR 11																																						