

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: March 26, 2014

For the Period: 03/27/14 to 04/14/21 (14-086 – 14-104)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

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 *mrobles@airmail.ftops.jpl.nasa.gov
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OTHER

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 *DL-DSSN-MPSETA@dsn.nasa.gov

SCIENCE

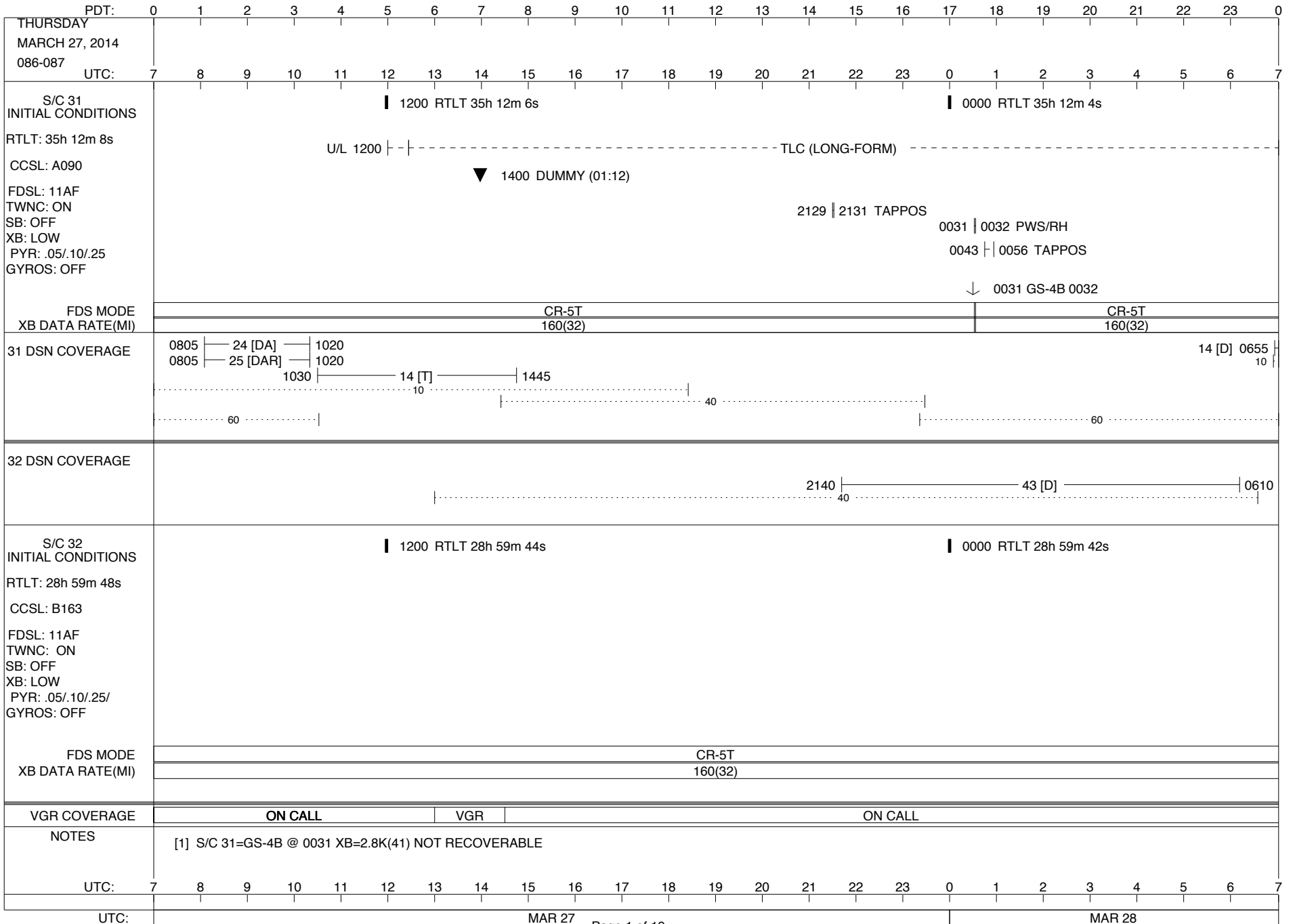
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 LECP *r.decker@jhuapl.edu
 UVS *holburg@argus.lpl.arizona.edu
 MAG *u2mha@lepvox.gsfc.nasa.gov
 PLS *vgr@space.mit.edu
 PWS *wsk@space.physics.uiowa.edu
 *Leonard.F.Burlaga@nasa.gov
 *Donald-Gurnett@uiowa.edu

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

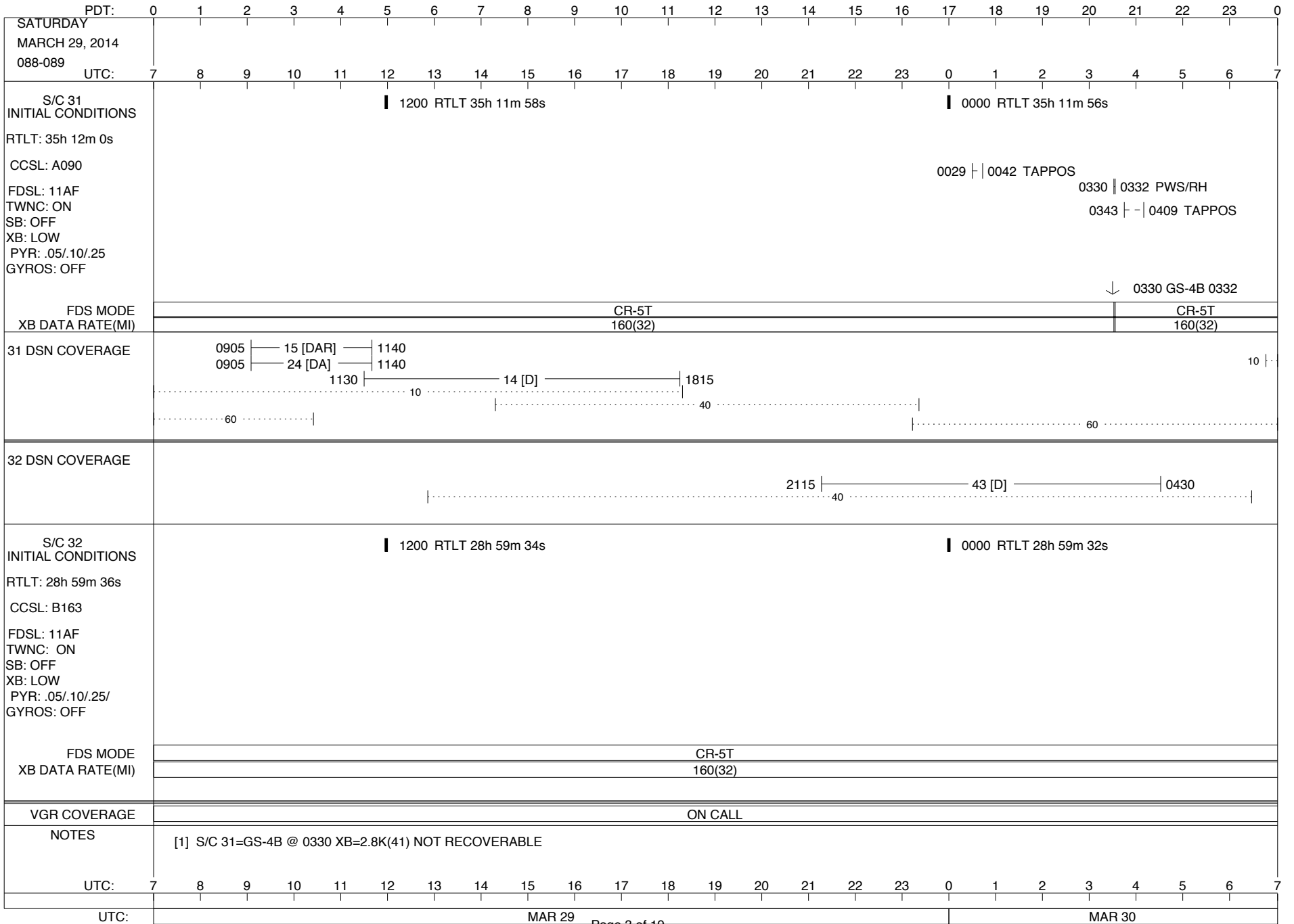
*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10



ISSUE DATE: 03/26/14 17:03

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FRIDAY MARCH 28, 2014 087-088																									
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S/C 31 INITIAL CONDITIONS	1200 RTLT 35h 12m 2s												0000 RTLT 35h 12m 0s												
RTLT: 35h 12m 4s	----- TLC (LONG-FORM) ----- D/L - 0040																								
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	14 [D] ----- 1445											----- 40 ----- 10													
	----- 60 -----											----- 60 -----													
32 DSN COVERAGE												2310 - 0630 ----- 43 [D] -----													
												----- 40 -----													
S/C 32 INITIAL CONDITIONS	1200 RTLT 28h 59m 40s												0000 RTLT 28h 59m 36s												
RTLT: 28h 59m 42s																									
CCSL: B163																									
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:	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
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ISSUE DATE: 03/26/14 17:03

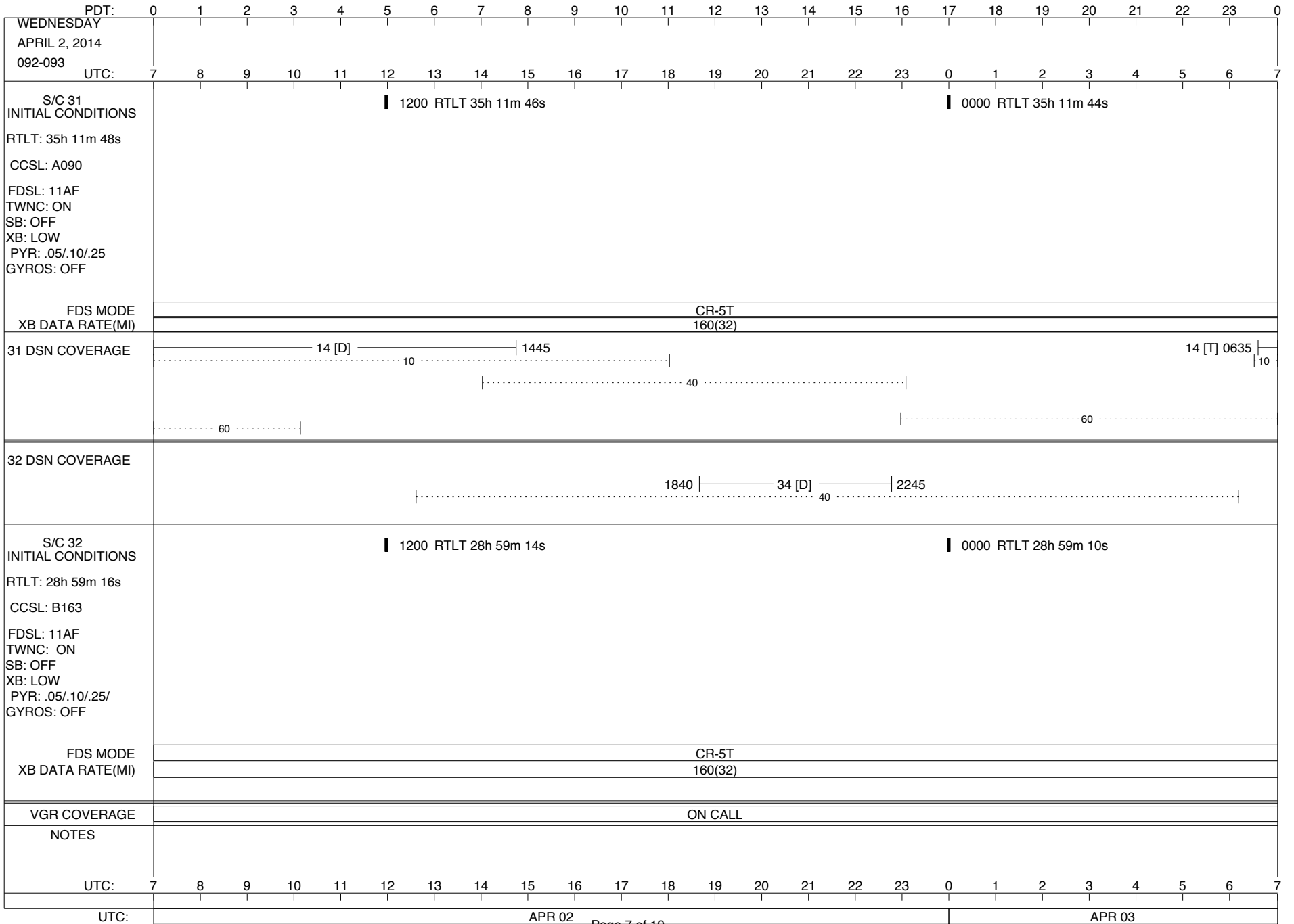


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S/C 31 INITIAL CONDITIONS RTLT: 35h 11m 56s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 35h 11m 56s															█ 0000 RTLT 35h 11m 54s				
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE		0845 ----- 14 [D] ----- 1810																							
		-----10-----																							
		-----60-----																							
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 28h 59m 32s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█ 1200 RTLT 28h 59m 30s																█ 0000 RTLT 28h 59m 26s			
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:																									

ISSUE DATE: 03/26/14 17:03

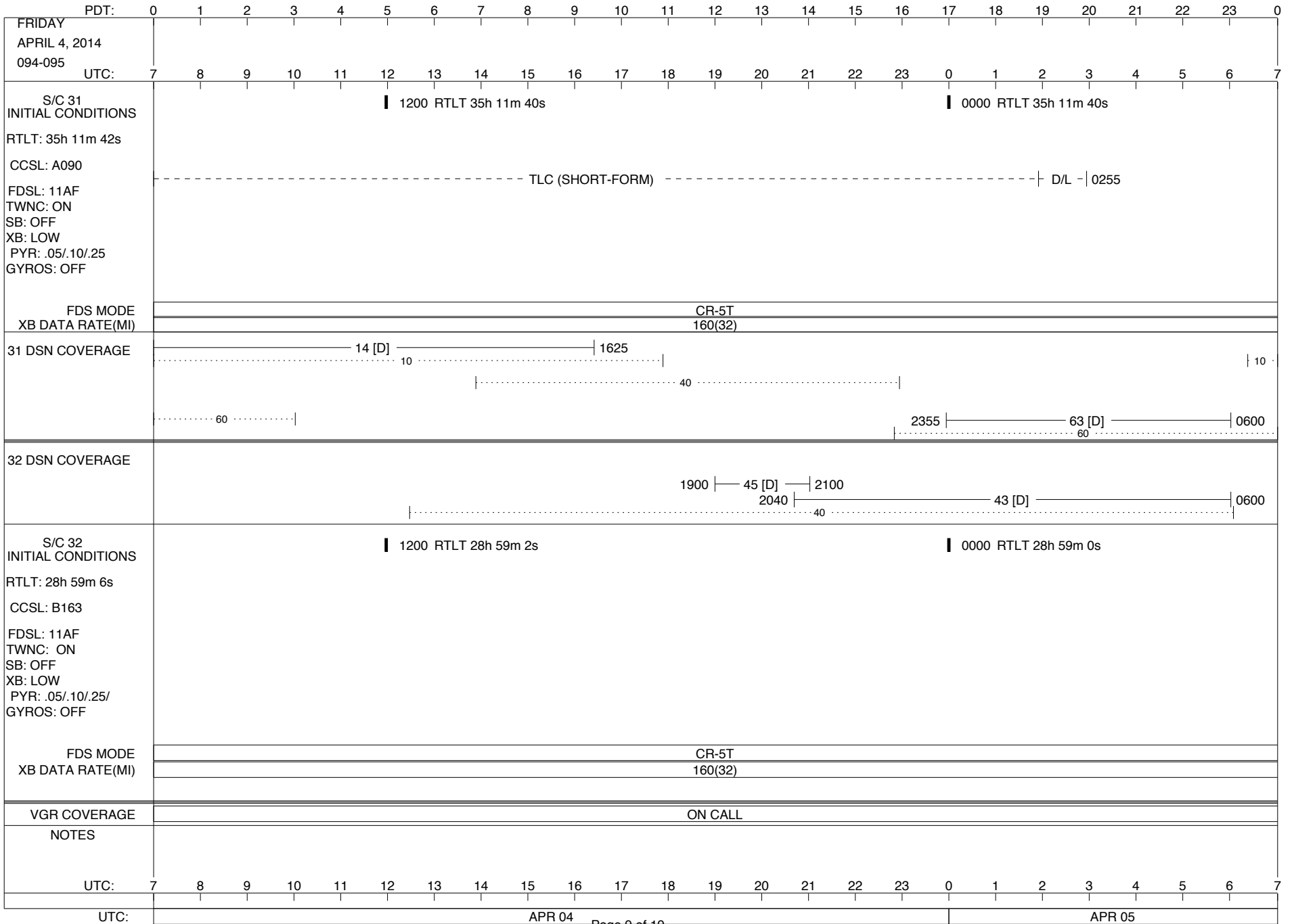
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MONDAY MARCH 31, 2014 090-091	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 35h 11m 54s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 11m 52s												0000 RTLT 35h 11m 50s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	14 [D] 1105												10 40 10 60												
32 DSN COVERAGE	1900 34 [o] 2305												40												
S/C 32 INITIAL CONDITIONS RTLT: 28h 59m 26s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 59m 24s												0000 RTLT 28h 59m 22s												
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:	MAR 31												APR 01												

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	
TUESDAY APRIL 1, 2014 091-092																										
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: 35h 11m 50s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 11m 50s												0000 RTLT 35h 11m 48s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	1050 ----- 15 [DA] ----- 1430 1050 ----- 25 [DAR] ----- 1430 10 1410 ----- 43 [D] ----- 1805 60 ----- 40 60												14 [D] 0635 10													
32 DSN COVERAGE													1850 ----- 43 [D] ----- 0505 40													
S/C 32 INITIAL CONDITIONS RTLT: 28h 59m 22s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 59m 18s												0000 RTLT 28h 59m 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 @ 1754 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 01														APR 02											



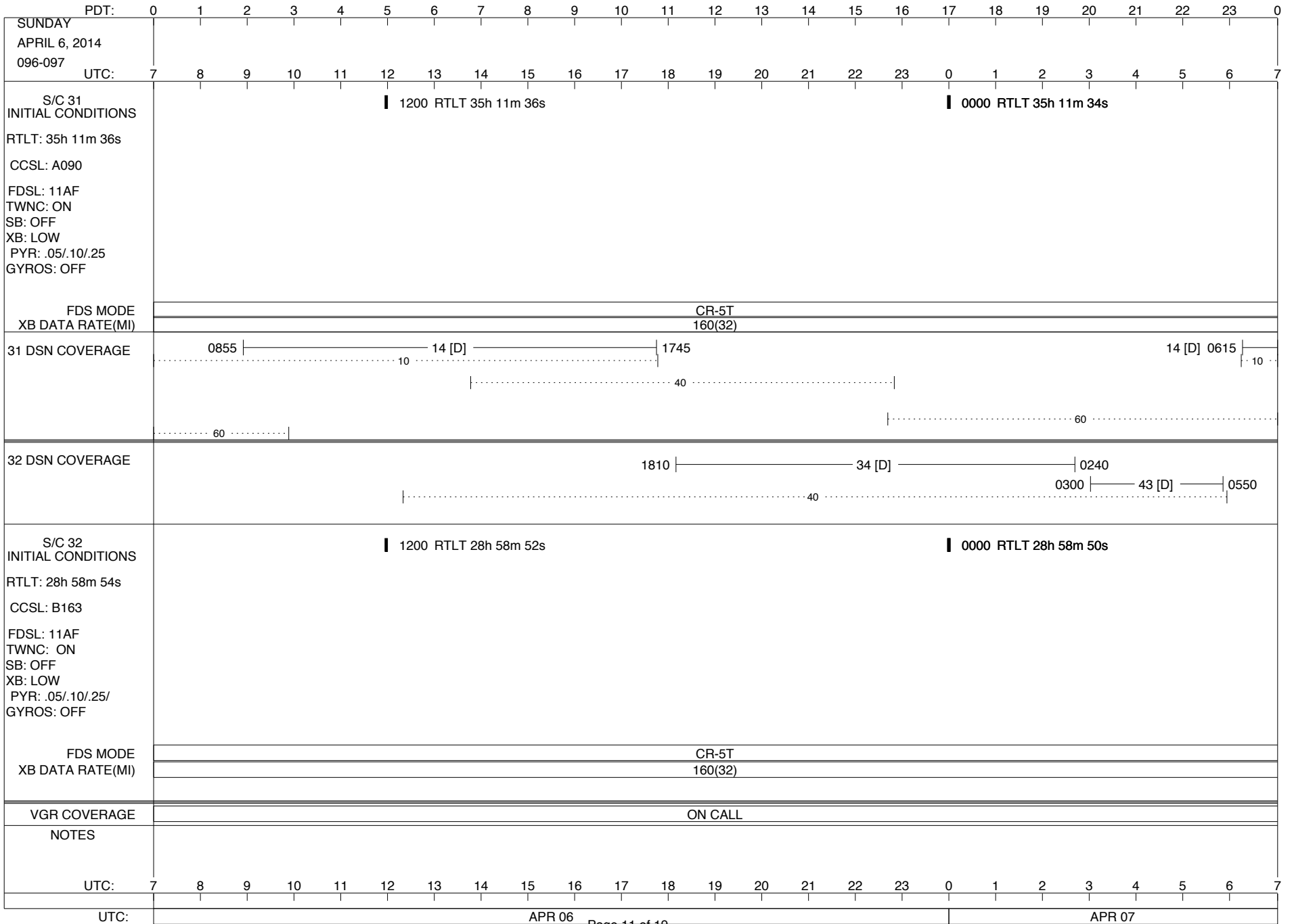
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THURSDAY APRIL 3, 2014 093-094																												
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLTL: 35h 11m 44s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200																						
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	14 [T] 1445												14 [D] 0625															
	10												10															
	40												40															
	60												60															
32 DSN COVERAGE	1520 43 [B] 2100																											
	40																											
S/C 32 INITIAL CONDITIONS RTLTL: 28h 59m 10s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						1200																						
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
VGR COVERAGE	ON CALL				VGR				ON CALL				VGR				ON CALL											
NOTES	[1] S/C 31=GS-4B @ 0006 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			
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ISSUE DATE: 03/26/14 17:03

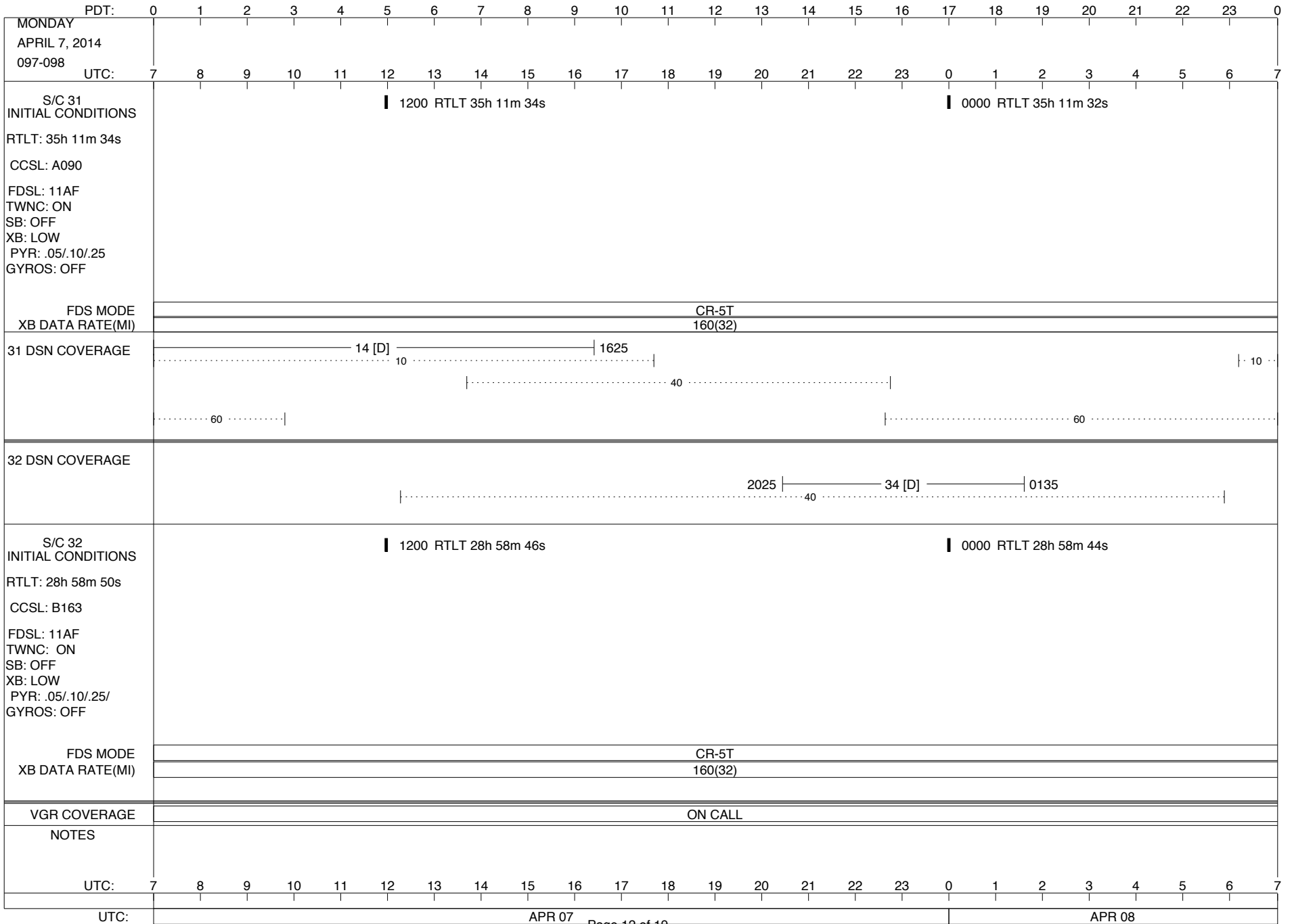


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SATURDAY APRIL 5, 2014 095-096																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 35h 11m 40s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200												0000								
FDS MODE	CR-5T											CR-5T														
XB DATA RATE(MI)	160(32)											160(32)														
31 DSN COVERAGE	1230 ----- 14 [D] ----- 1745											0145 ----- 55 [DA] ----- 0600 0145 ----- 54 [DAR] ----- 0600														
32 DSN COVERAGE	1545 ----- 43 [o] ----- 0010																									
S/C 32 INITIAL CONDITIONS RTLT: 28h 59m 0s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						1200												0000								
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 @ 0306 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 05													APR 06												

ISSUE DATE: 03/26/14 17:03



ISSUE DATE: 03/26/14 17:03



ISSUE DATE: 03/26/14 17:03

TUESDAY APRIL 8, 2014 098-099		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
S/C 31 INITIAL CONDITIONS RTLT: 35h 11m 32s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		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
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)											CR-5T 160(32)														
31 DSN COVERAGE		1245 ----- 14 [D] ----- 1720											0605 14														
32 DSN COVERAGE		1810 ----- 45 [D] ----- 2210											2300 ----- 43 [D] ----- 0420														
S/C 32 INITIAL CONDITIONS RTLT: 28h 58m 44s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF		1200 RTLT 28h 58m 42s											0000 RTLT 28h 58m 38s														
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																									
VGR COVERAGE		ON CALL																							VGR		
NOTES		[1] S/C 31=GS-4B @ 1729 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	
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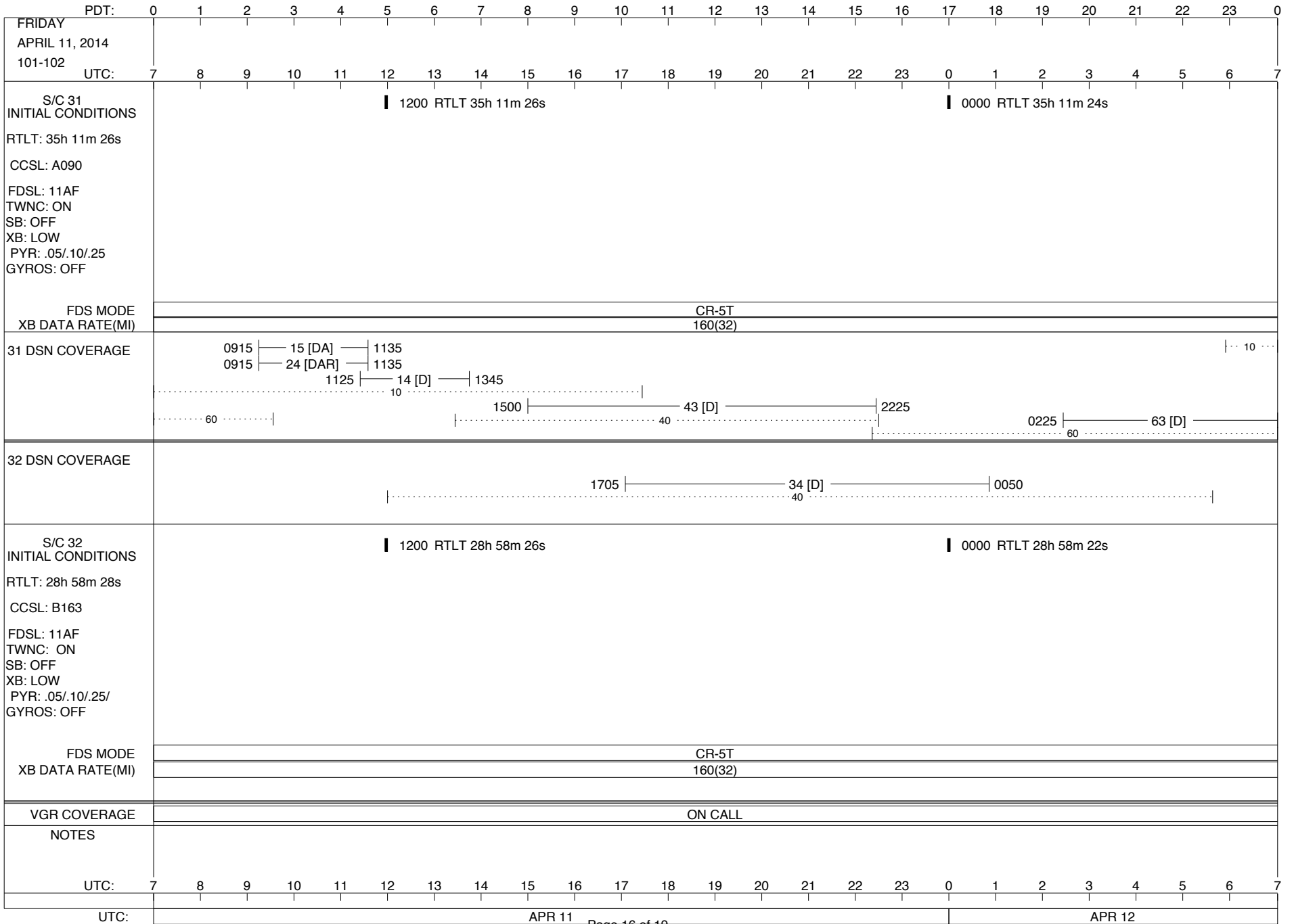
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WEDNESDAY APRIL 9, 2014 099-100	
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7	
S/C 31 INITIAL CONDITIONS RTLT: 35h 11m 30s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 35h 11m 30s</p> <p>0710 DUMMY (18:01)</p> <p>0718 EL-40 (18:29)</p> <p>0739 CCSL A091 (18:50)</p> <p>0840 MEMUPD - ECR 112872 (19:51)</p> <p>0848 TLMPRG (19:59)</p> <p>0911 AHEL12 & ECR 112872 SID MRO'S, CR-5T (20:23)</p> <p>0000 RTLT 35h 11m 28s</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<p>14 1225 10</p> <p>40</p> <p>60</p>
32 DSN COVERAGE	<p>1730 34 [D] 2030</p> <p>2010 43 [D] 0010</p> <p>40</p>
S/C 32 INITIAL CONDITIONS RTLT: 28h 58m 38s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<p>1200 RTLT 28h 58m 36s</p> <p>0000 RTLT 28h 58m 34s</p>
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: APR 09 APR 10	

ISSUE DATE: 03/26/14 17:03

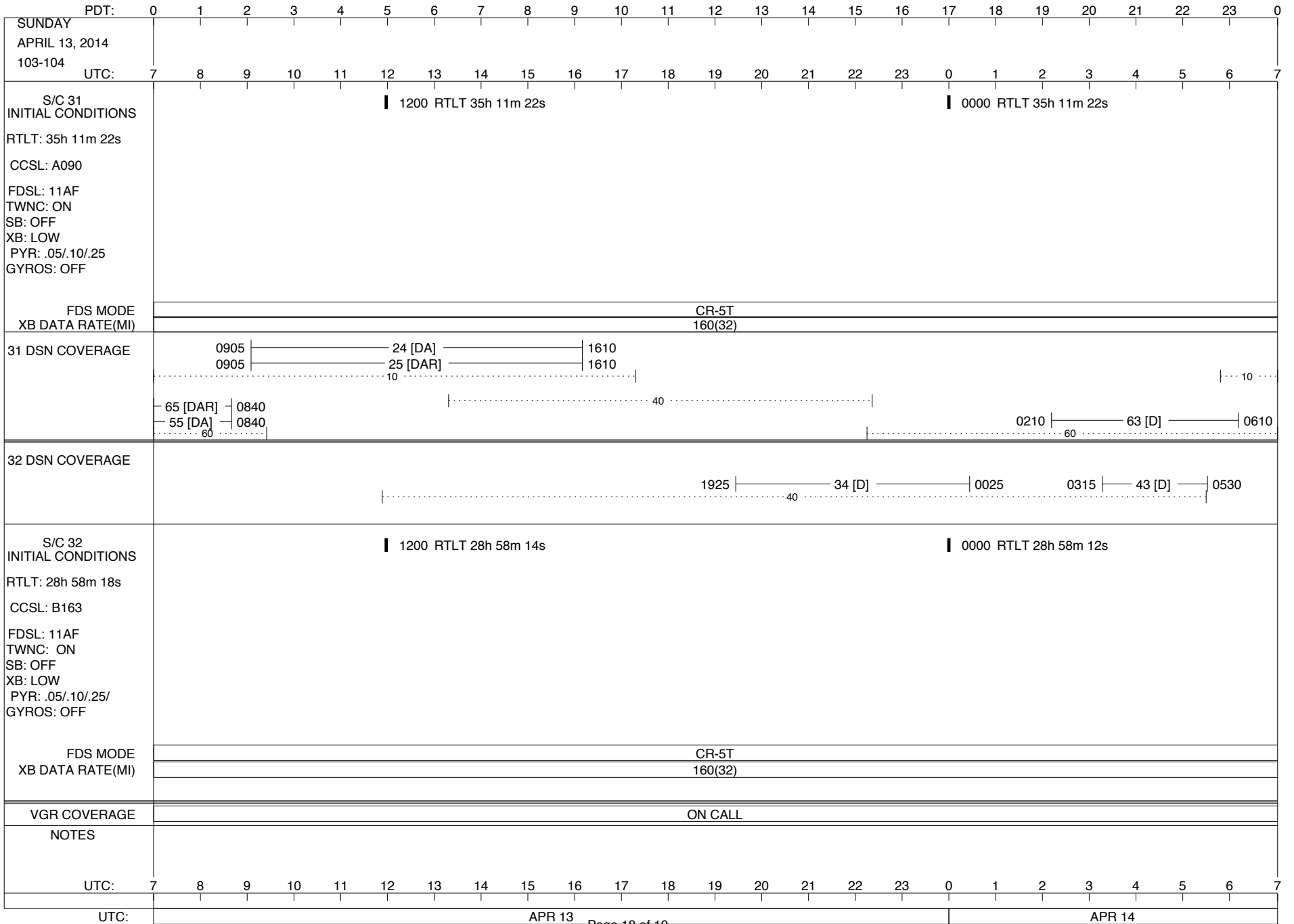
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S/C 31 INITIAL CONDITIONS RTLT: 35h 11m 28s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 11m 28s												0000 RTLT 35h 11m 26s															
FDS MODE	CR-5T												EL-40		CR-5T		CR-5T											
XB DATA RATE(MI)	160(32)												40(30)		160(32)		160(32)											
31 DSN COVERAGE	<p>..... </p> <p>1355 -----43 [D1]----- 2150</p> <p>..... </p> <p>60 </p>																											
32 DSN COVERAGE	<p>..... </p> <p>1845 -----45 [D]----- 0230</p> <p>..... </p>																											
S/C 32 INITIAL CONDITIONS RTLT: 28h 58m 34s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 58m 30s												0000 RTLT 28h 58m 28s															
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL												VGR		ON CALL													
NOTES	<p>[1] A091 BACKUP U/L SUPPORT</p> <p>[2] S/C 31=EL-40 @ 1830 XB=40(30)</p> <p>[3] S/C 31=CR-5T @ 2030 XB=160(32)</p> <p>[4] S/C 31=GS-4B @ 2342 XB=2.8K(41) NOT RECOVERABLE</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			
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ISSUE DATE: 03/26/14 17:03



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SATURDAY APRIL 12, 2014 102-103	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: 35h 11m 24s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 11m 24s												0000 RTLT 35h 11m 22s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE 10 40												
 60 0955											 60 0330 65 [DAR] 0330 55 [DA]												
32 DSN COVERAGE	1205 43 [D] 1735												2350 43 [D] 0505												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 58m 22s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 58m 20s												0000 RTLT 28h 58m 18s												
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 @ 0242 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 12												APR 13												

ISSUE DATE: 03/26/14 17:03



ISSUE DATE: 03/26/14 17:03

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																																						
MONDAY APRIL 14, 2014 104-105																																																															
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: 35h 11m 22s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 11m 20s																																																														
FDS MODE														CR-5T																																																	
XB DATA RATE(MI)														160(32)																																																	
31 DSN COVERAGE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; border-left: 1px solid black; border-right: 1px solid black;">0950</td> <td style="width: 15%;"></td> <td style="width: 15%; border-left: 1px solid black; border-right: 1px solid black;">15 [DAR]</td> <td style="width: 15%;"></td> <td style="width: 15%; border-left: 1px solid black; border-right: 1px solid black;">1515</td> </tr> <tr> <td></td> <td style="border-left: 1px solid black; border-right: 1px solid black;">0950</td> <td></td> <td style="border-left: 1px solid black; border-right: 1px solid black;">26 [DA]</td> <td></td> <td style="border-left: 1px solid black; border-right: 1px solid black;">1515</td> </tr> <tr> <td></td> <td colspan="5" style="border-top: 1px dotted black; border-bottom: 1px dotted black;"></td> </tr> <tr> <td></td> <td colspan="5" style="border-top: 1px dotted black; border-bottom: 1px dotted black; text-align: center;">10</td> </tr> <tr> <td></td> <td colspan="5" style="border-top: 1px dotted black; border-bottom: 1px dotted black; text-align: center;">40</td> </tr> <tr> <td></td> <td colspan="5" style="border-top: 1px dotted black; border-bottom: 1px dotted black; text-align: center;">60</td> </tr> </table>																												0950		15 [DAR]		1515		0950		26 [DA]		1515								10						40						60				
	0950		15 [DAR]		1515																																																										
	0950		26 [DA]		1515																																																										
	10																																																														
	40																																																														
	60																																																														
32 DSN COVERAGE																																																															
S/C 32 INITIAL CONDITIONS RTLT: 28h 58m 12s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 58m 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:	APR 14													APR 15																																																	