

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: March 19, 2014

For the Period: 03/20/14 to 04/07/21 (14-079 – 14-097)

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

ISSUE DATE: 03/19/14 19:30

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 MARCH 20, 2014 079-080																									
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 12m 34s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 12m 32s												0000 RTLT 35h 12m 30s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0755 14 [D] 1025 10 60												1300 14 [D] 1810 40 60												
32 DSN COVERAGE	0705 43 [D] 40 40												1610 34 [D] 1810 40												
S/C 32 INITIAL CONDITIONS RTLT: 29h 0m 20s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 29h 0m 18s												0000 RTLT 29h 0m 16s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0055 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:	MAR 20												MAR 21												

ISSUE DATE: 03/19/14 19:30

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 MARCH 21, 2014 080-081																												
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 12m 30s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 12m 28s												0000 RTLT 35h 12m 26s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	----- 14 [D] ----- 0720 - 1120 ----- 10 ----- ----- 40 ----- ----- 60 -----																											
32 DSN COVERAGE	0700 43 [D] 40												1610 ----- 34 [o] ----- 1900 ----- 40 -----															
S/C 32 INITIAL CONDITIONS RTLT: 29h 0m 16s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 29h 0m 14s												0000 RTLT 29h 0m 12s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
VGR COVERAGE													ON CALL															
NOTES																												
UTC:	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 21														MAR 22													

ISSUE DATE: 03/19/14 19:30

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 MARCH 22, 2014 081-082	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 12m 26s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 12m 24s												0000 RTLTL 35h 12m 22s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0745 ----- 14 [D] ----- 1420 ----- 10 ----- ----- 40 ----- ----- 60 -----																								
32 DSN COVERAGE	1320 ----- 43 [o] ----- 1620												2155 ----- 43 [D] ----- 0400 ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 29h 0m 12s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 29h 0m 8s												0000 RTLTL 29h 0m 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 @ 0355 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:	MAR 22												MAR 23												

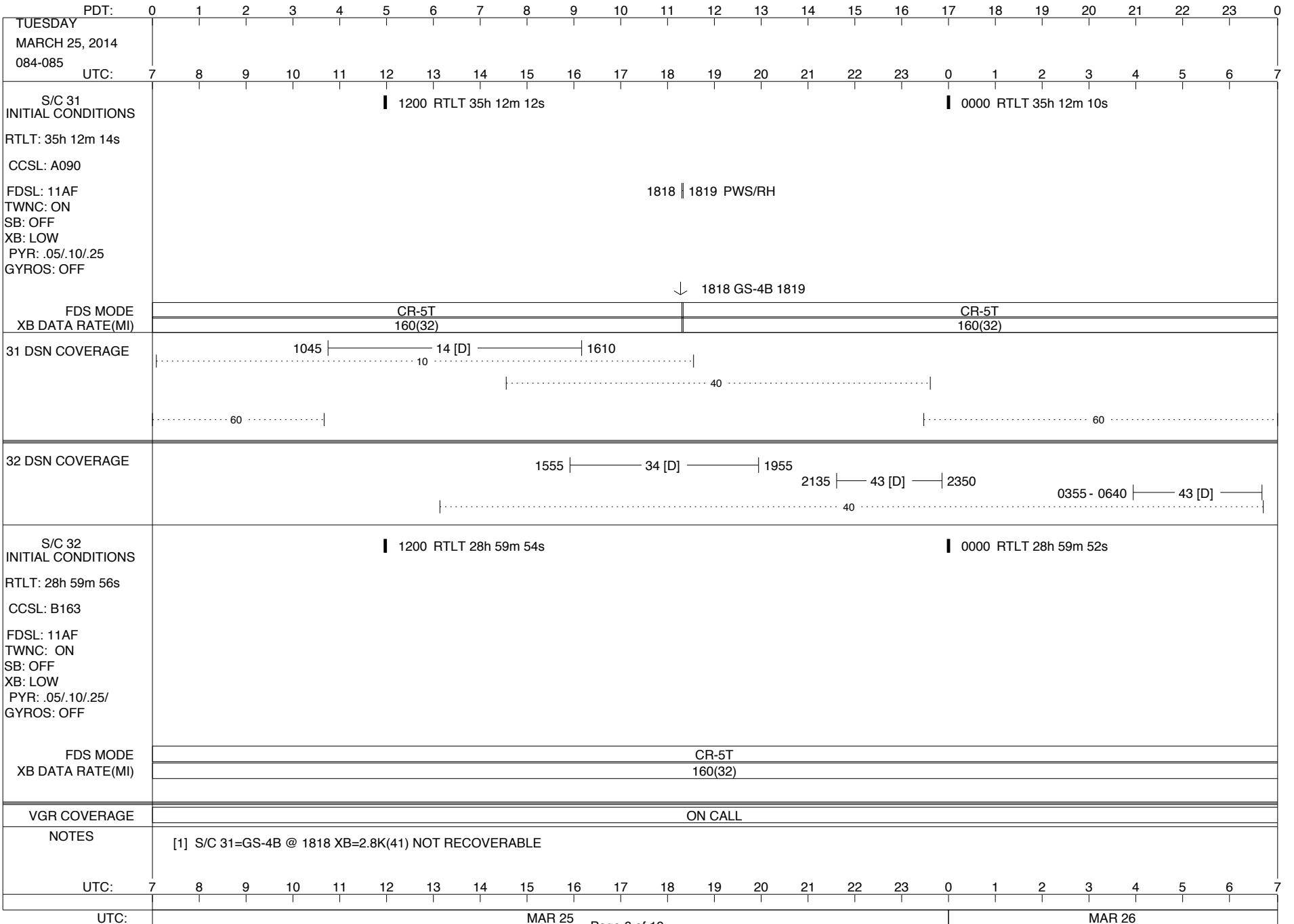
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SUNDAY MARCH 23, 2014 082-083																												
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLT: 35h 12m 22s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 12m 20s												0000 RTLT 35h 12m 18s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	0805 ----- 25 [DA] ----- 1605 0805 ----- 26 [DAR] ----- 1605 ----- 10 ----- ----- 60 -----												----- 40 ----- ----- 60 -----															
32 DSN COVERAGE	1615 ----- 43 [D] ----- 2110 ----- 40 -----												2150 ----- 45 [D] ----- 0100															
S/C 32 INITIAL CONDITIONS RTLT: 29h 0m 6s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 29h 0m 4s												0000 RTLT 29h 0m 2s															
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:	MAR 23														MAR 24													

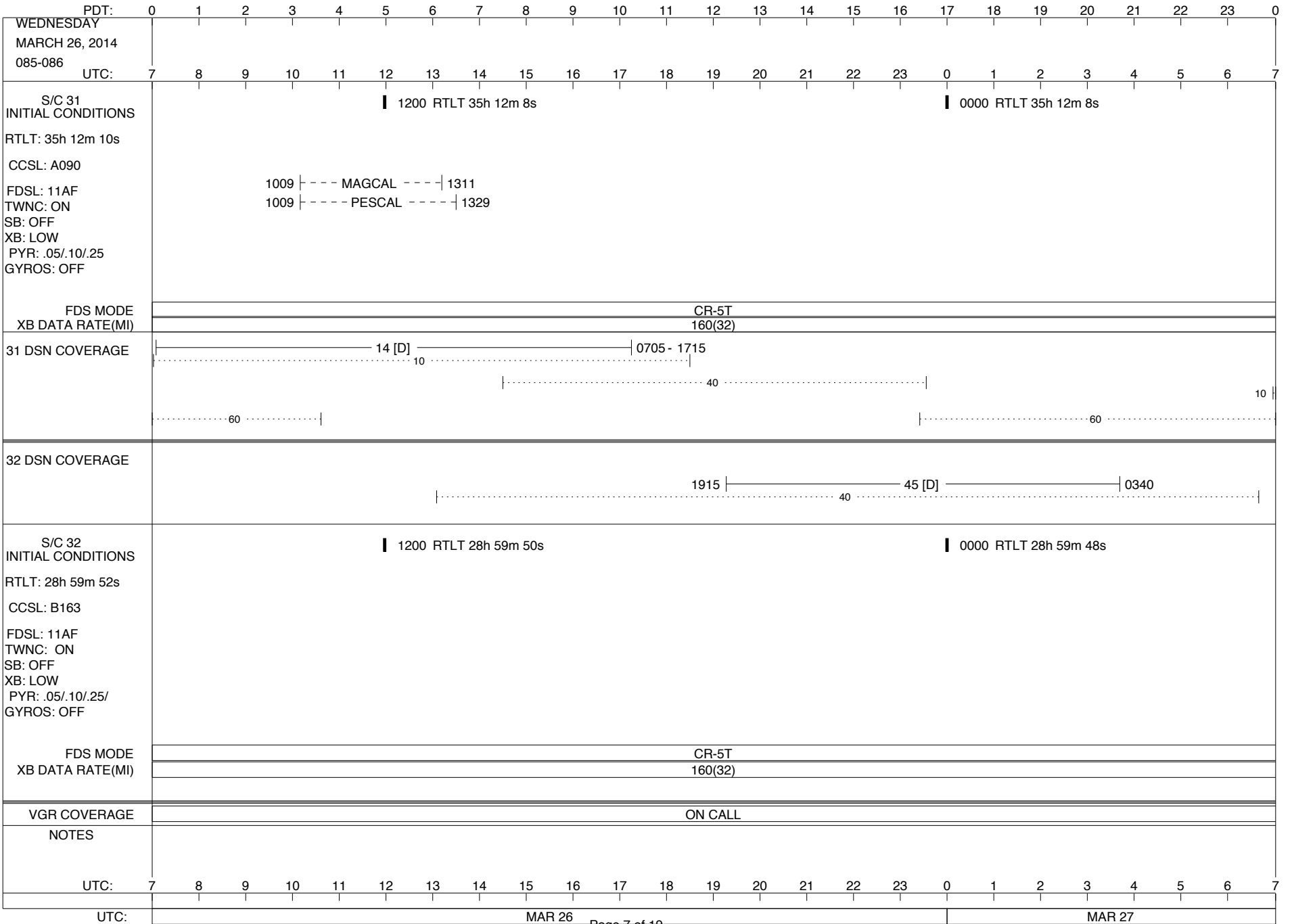
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MONDAY MARCH 24, 2014 083-084																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 35h 12m 18s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 12m 16s												0000 RTLT 35h 12m 14s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	----- 14 [D] ----- 0710 - 1525												----- 40 -----												
	----- 60 -----												----- 60 -----												
32 DSN COVERAGE	----- 43 [B] ----- 1705 ----- 2050												----- 43 [D] ----- 0300 - 0645												
S/C 32 INITIAL CONDITIONS RTLT: 29h 0m 2s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 29h 0m 0s												0000 RTLT 28h 59m 56s												
FDS MODE XB DATA RATE(MI)													CR-5T 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:	MAR 24												MAR 25												

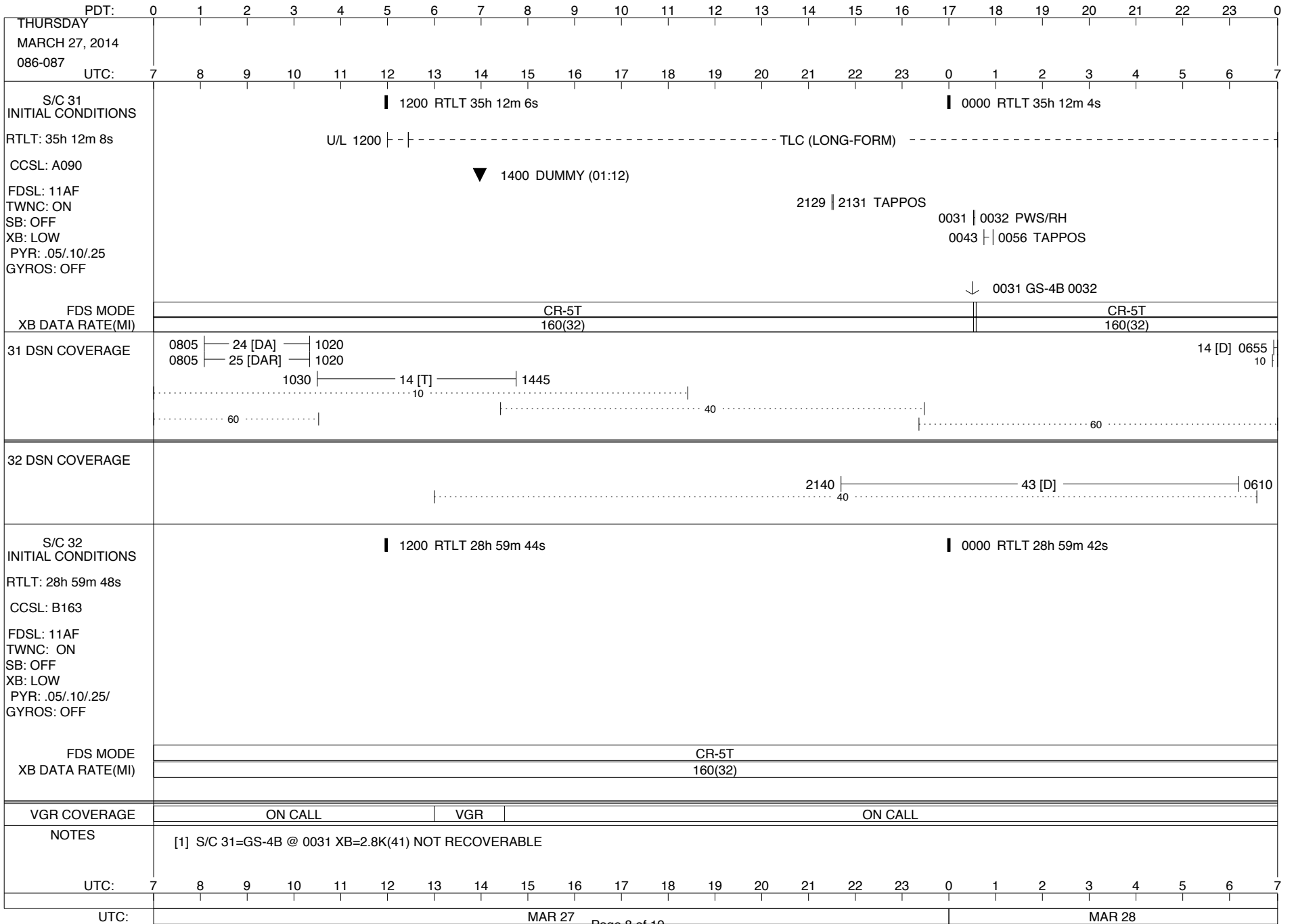
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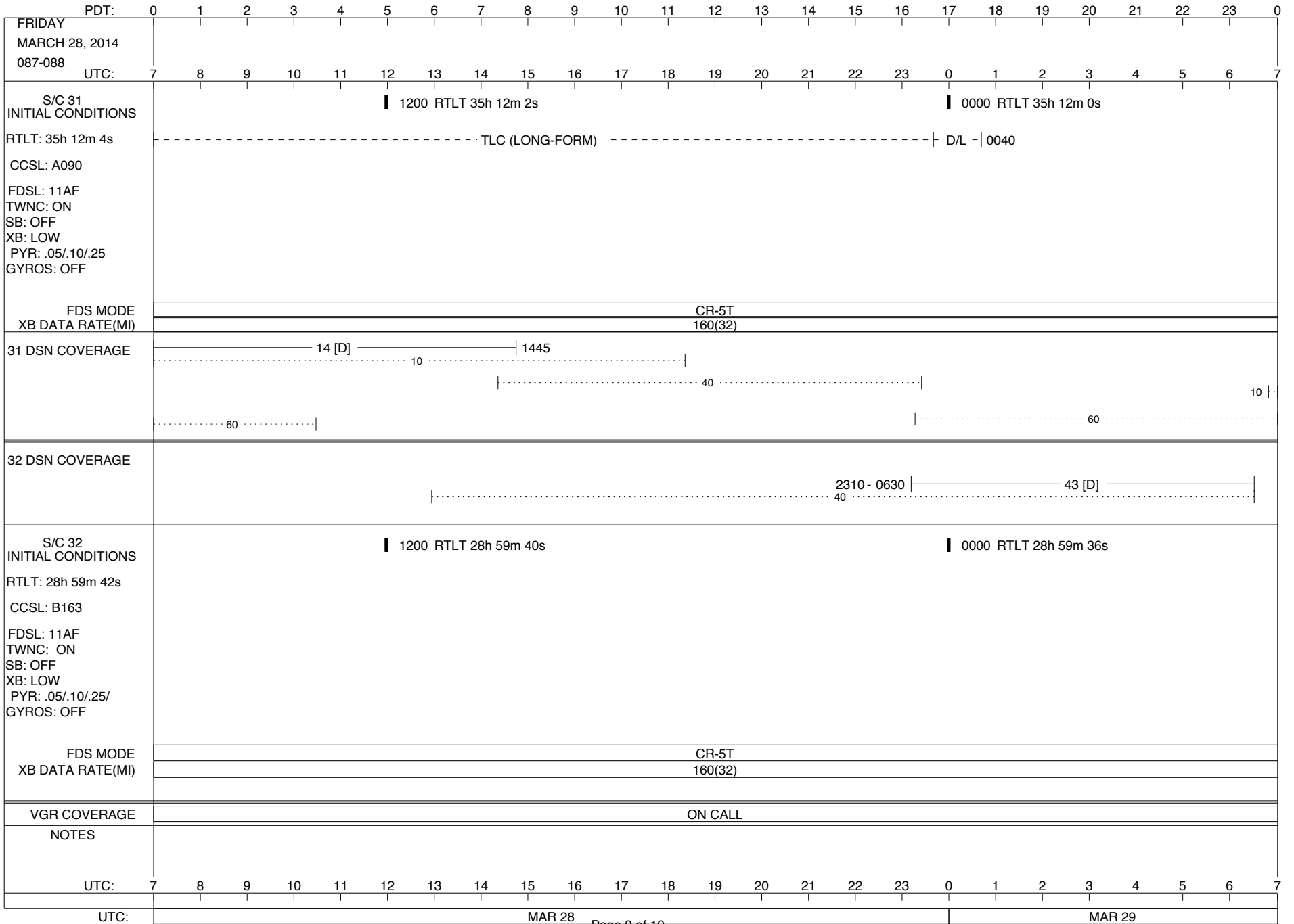
ISSUE DATE: 03/19/14 19:30



ISSUE DATE: 03/19/14 19:30



ISSUE DATE: 03/19/14 19:30

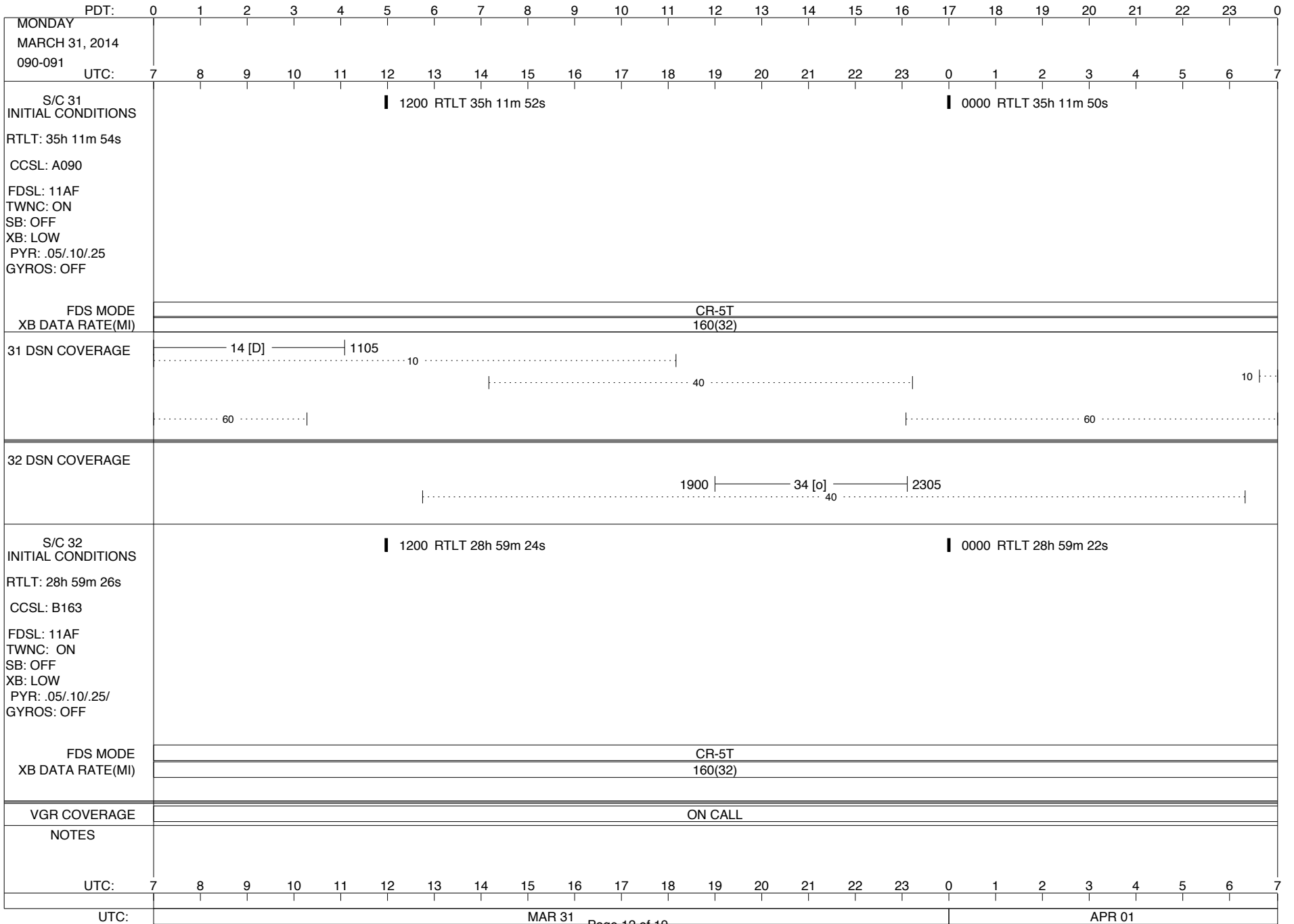


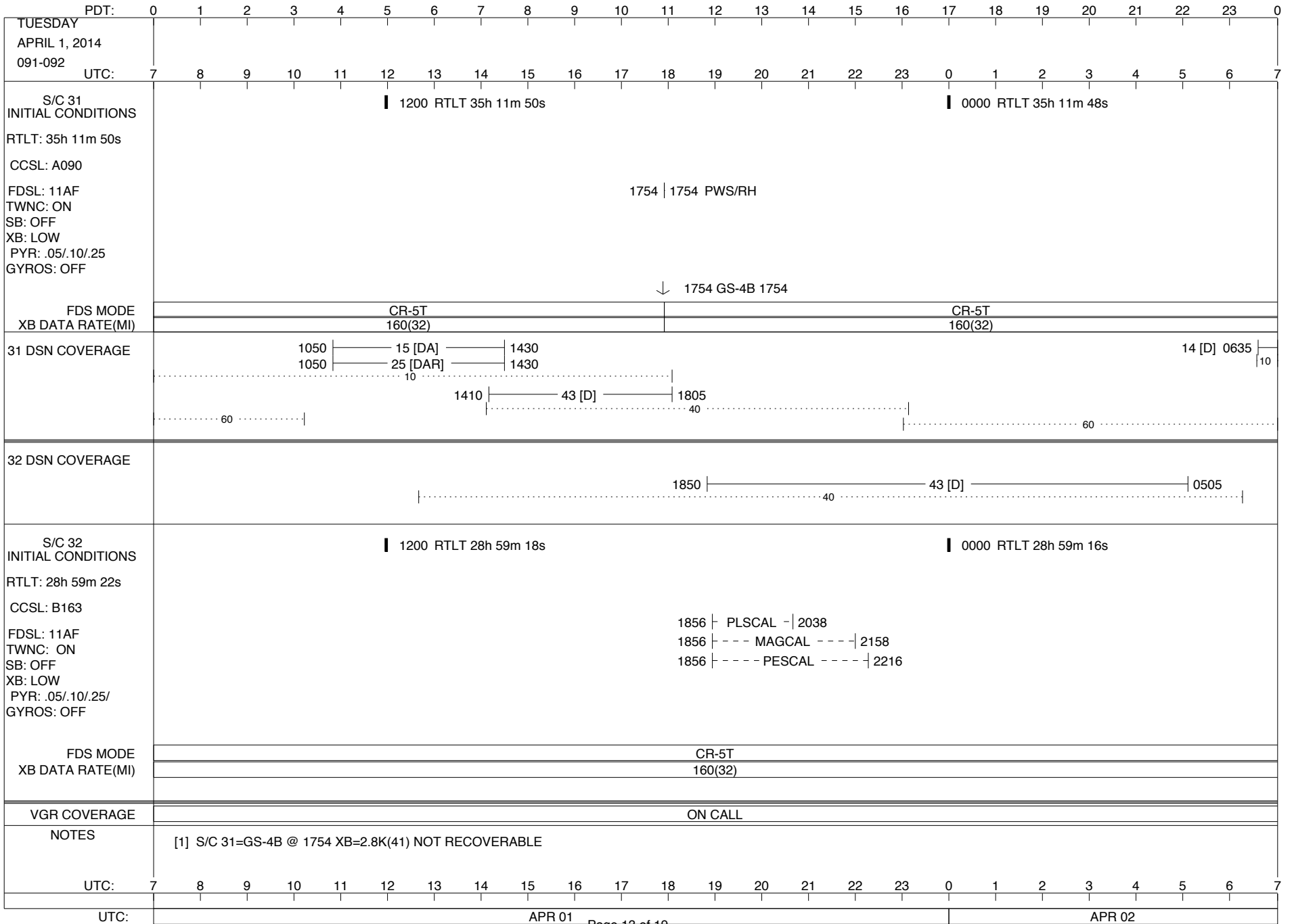
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
SATURDAY MARCH 29, 2014 088-089	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 35h 12m 0s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 11m 58s												0000 RTLT 35h 11m 56s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0905 15 [DAR] 1140 0905 24 [DA] 1140 1130 14 [D] 1815 10 40 60												10 60												
32 DSN COVERAGE 2115 43 [D] 0430 40												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 59m 36s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 59m 34s												0000 RTLT 28h 59m 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 @ 0330 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:	MAR 29												MAR 30												

ISSUE DATE: 03/19/14 19:30

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
SUNDAY MARCH 30, 2014 089-090																									
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 56s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 35h 11m 56s																			
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE		0845 ----- 14 [D] ----- 1810																							
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																			
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: 03/19/14 19:30





ISSUE DATE: 03/19/14 19:30

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

WEDNESDAY

APRIL 2, 2014

092-093

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 35h 11m 46s

0000 RTLT 35h 11m 44s

RTLT: 35h 11m 48s

CCSL: A090

FDSL: 11AF

TWNC: ON

SB: OFF

XB: LOW

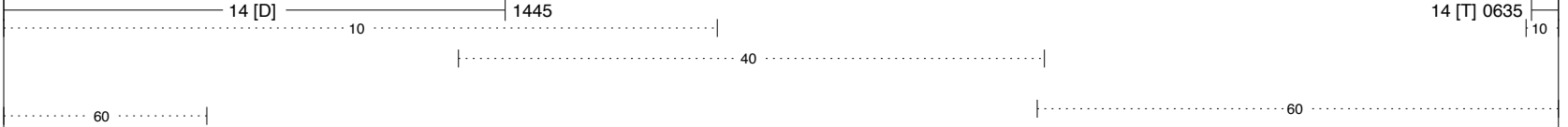
PYR: .05/.10/.25

GYROS: OFF

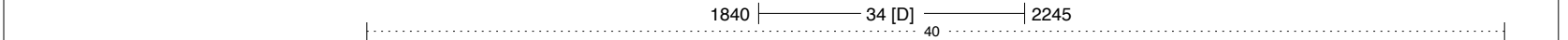
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS

1200 RTLT 28h 59m 14s

0000 RTLT 28h 59m 10s

RTLT: 28h 59m 16s

CCSL: B163

FDSL: 11AF

TWNC: ON

SB: OFF

XB: LOW

PYR: .05/.10/.25/

GYROS: OFF

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

ON CALL

NOTES

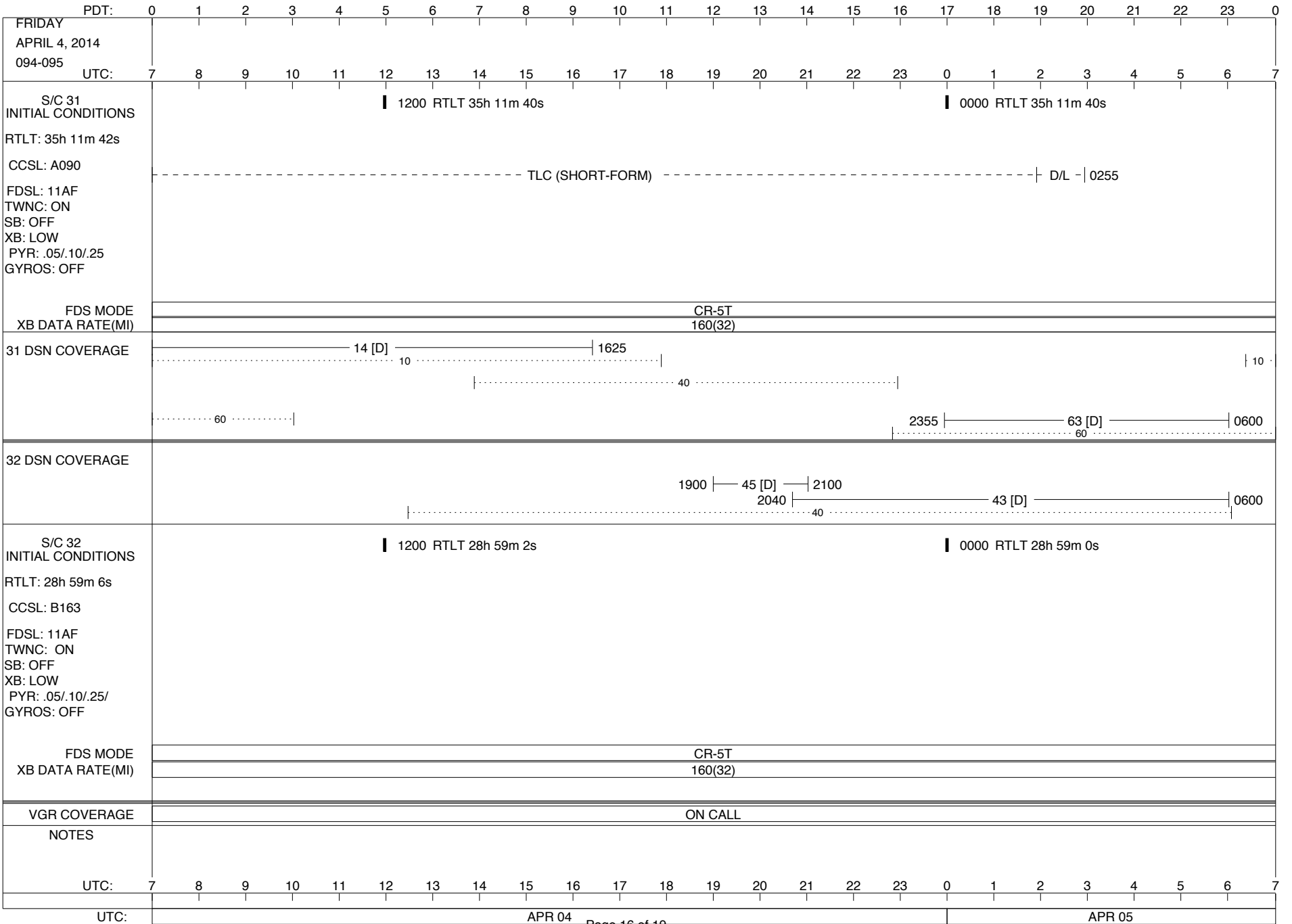
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

UTC: APR 02 Page 14 of 19 APR 03

ISSUE DATE: 03/19/14 19:30

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 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 RTLT: 35h 11m 44s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 11m 44s												0000 RTLT 35h 11m 42s															
	▼ 1320 DUMMY (00:32)												U/L 1415 - - - - - - TLC (SHORT-FORM) - - - - -															
	2105 - 2117 TAPPOS												0006 0007 PWS/RH 0018 - 0045 TAPPOS															
													↓ 0006 GS-4B 0007															
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															
 60 60															
32 DSN COVERAGE	1520 43 [B] 2100											 40															
S/C 32 INITIAL CONDITIONS RTLT: 28h 59m 10s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 59m 8s												0000 RTLT 28h 59m 6s															
	▼ 1702 DUMMY (5 MIN BRACKETED 22:02)																											
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			
UTC:	APR 03														APR 04													

ISSUE DATE: 03/19/14 19:30



ISSUE DATE: 03/19/14 19:30

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 APRIL 5, 2014 095-096	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 40s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 11m 38s												0000 RTLTL 35h 11m 36s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1230 ----- 14 [D] ----- 1745										----- 40 -----										----- 10				
	----- 60 -----										0145 ----- 55 [DA] ----- 0600										0145 ----- 54 [DAR] ----- 0600				
	----- 60 -----										----- 60 -----														
32 DSN COVERAGE	----- 1545 ----- 43 [o] ----- 0010										----- 40 -----														
S/C 32 INITIAL CONDITIONS RTLTL: 28h 59m 0s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 58m 58s												0000 RTLTL 28h 58m 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 @ 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: 03/19/14 19:30

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
SUNDAY APRIL 6, 2014 096-097																									
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 36s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200																			
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 28h 58m 54s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█ 1200																			
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:	APR 06														APR 07										

ISSUE DATE: 03/19/14 19:30

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 7, 2014 097-098																											
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 34s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 11m 34s																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<p>Timeline for 31 DSN COVERAGE: Coverage starts at 10:00 and ends at 16:25. A 14[D] interval is marked. There is a 40-minute gap in coverage between 14:00 and 14:40. A 60-minute interval is also indicated.</p>																										
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 28h 58m 50s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 58m 46s																										
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 07													APR 08													