

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: April 8, 2015

For the Period: 04/09/15 to 04/27/15 (15-099 – 15-117)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

*Zsarina.Bulchand@jpl.nasa.gov
 *gdyke@airmail.ftops.jpl.nasa.gov
 *John.M.Grant@jpl.nasa.gov
 *dmcclena@airmail.ftops.jpl.nasa.gov
 *pquach@airmail.ftops.jpl.nasa.gov
 *mrobles@airmail.ftops.jpl.nasa.gov
 *rwilliam@airmail.ftops.jpl.nasa.gov

OTHER

* KMassej@jgld.gdscc.nasa.gov
 * Belinda.Arroyo@jpl.nasa.gov
 *DL-DSSN-MPSETA@dsn.nasa.gov

SCIENCE

CRS *bryant@mail630.gsfc.nasa.gov
 LECP *r.decker@jhupl.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

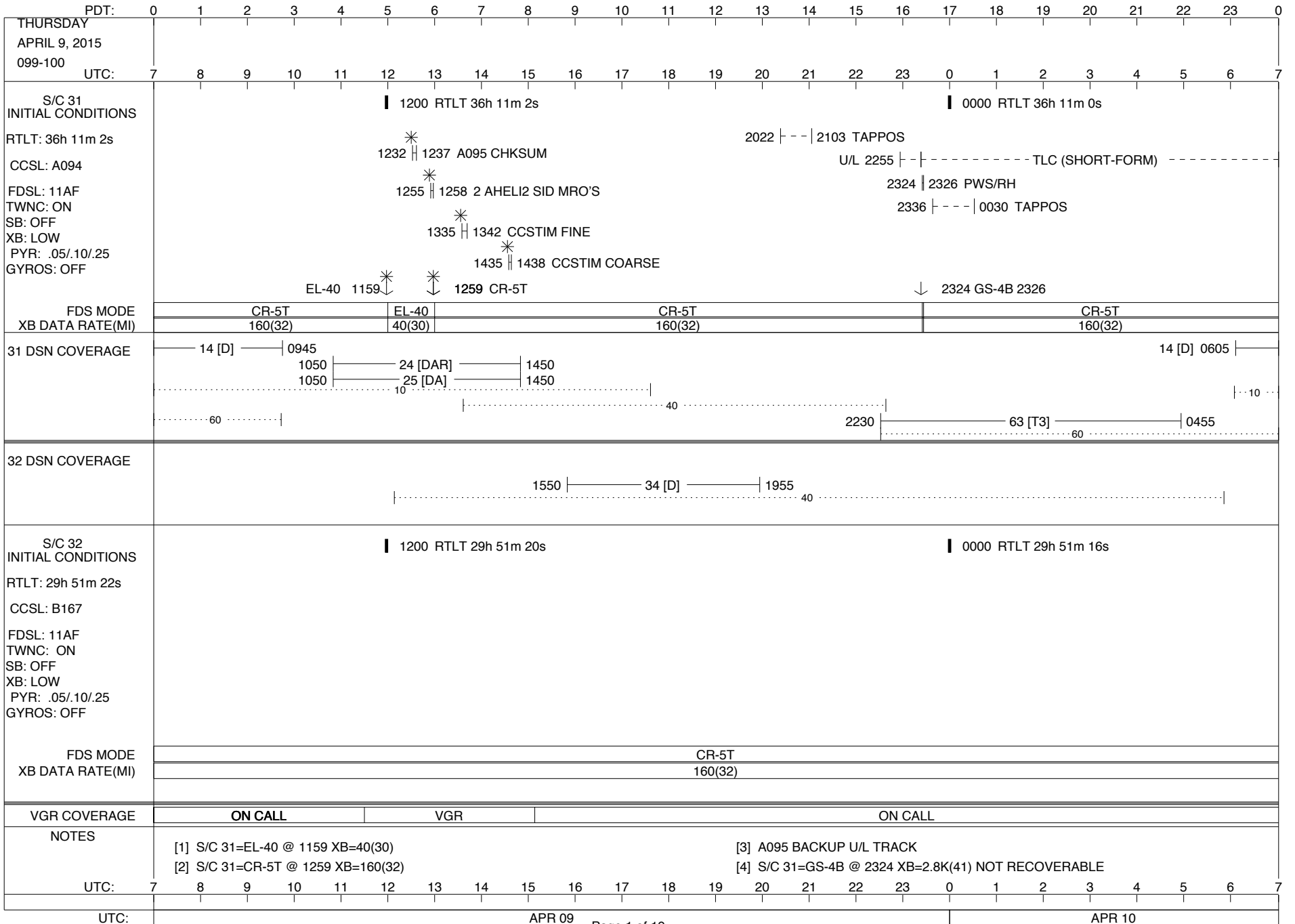
FLIGHT TEAM (14) 600-100

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

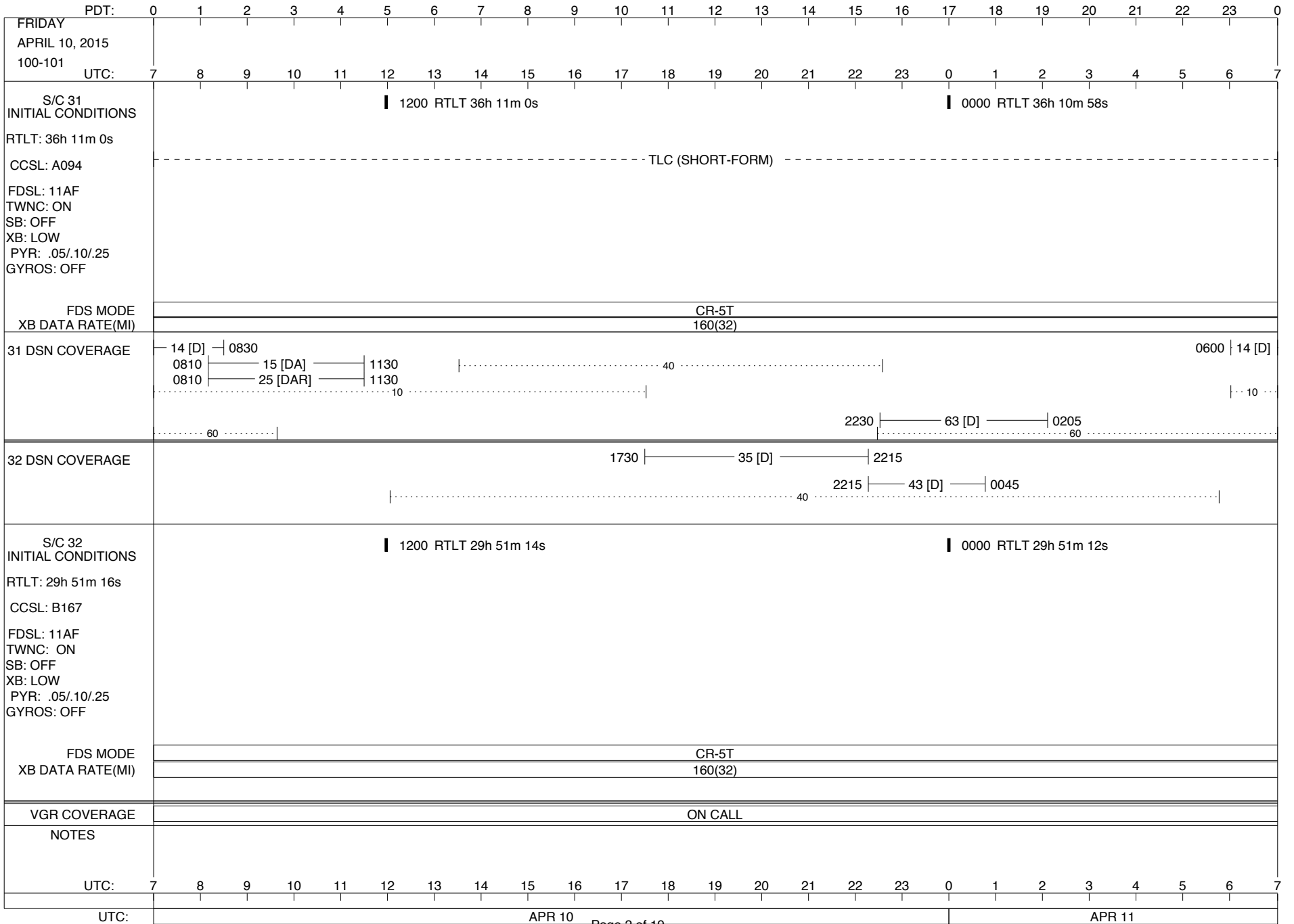
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U = Uplink only pass
 [o] = Ramp-through

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

ISSUE DATE: 04/13/15 08:43



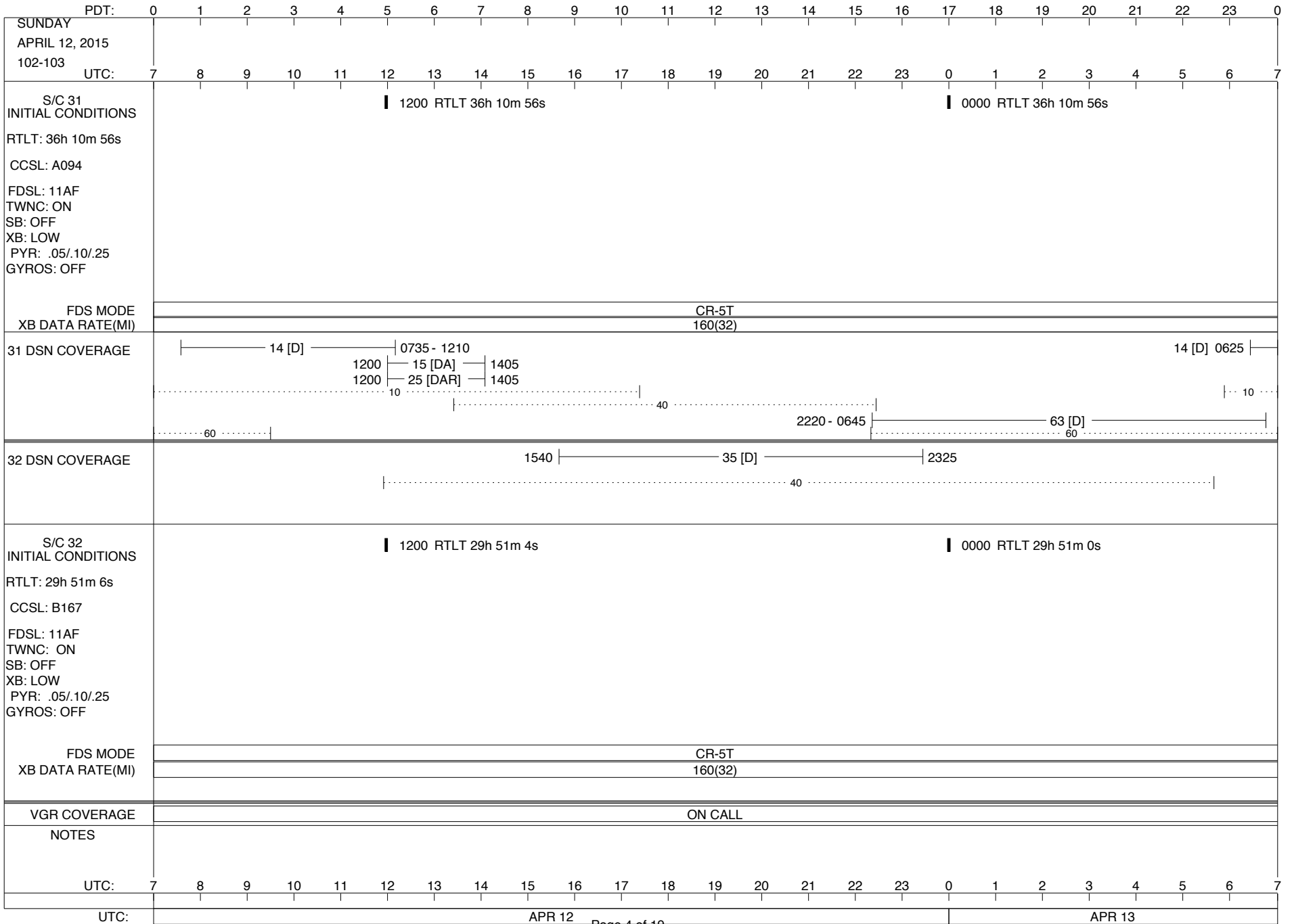
ISSUE DATE: 04/13/15 08:43



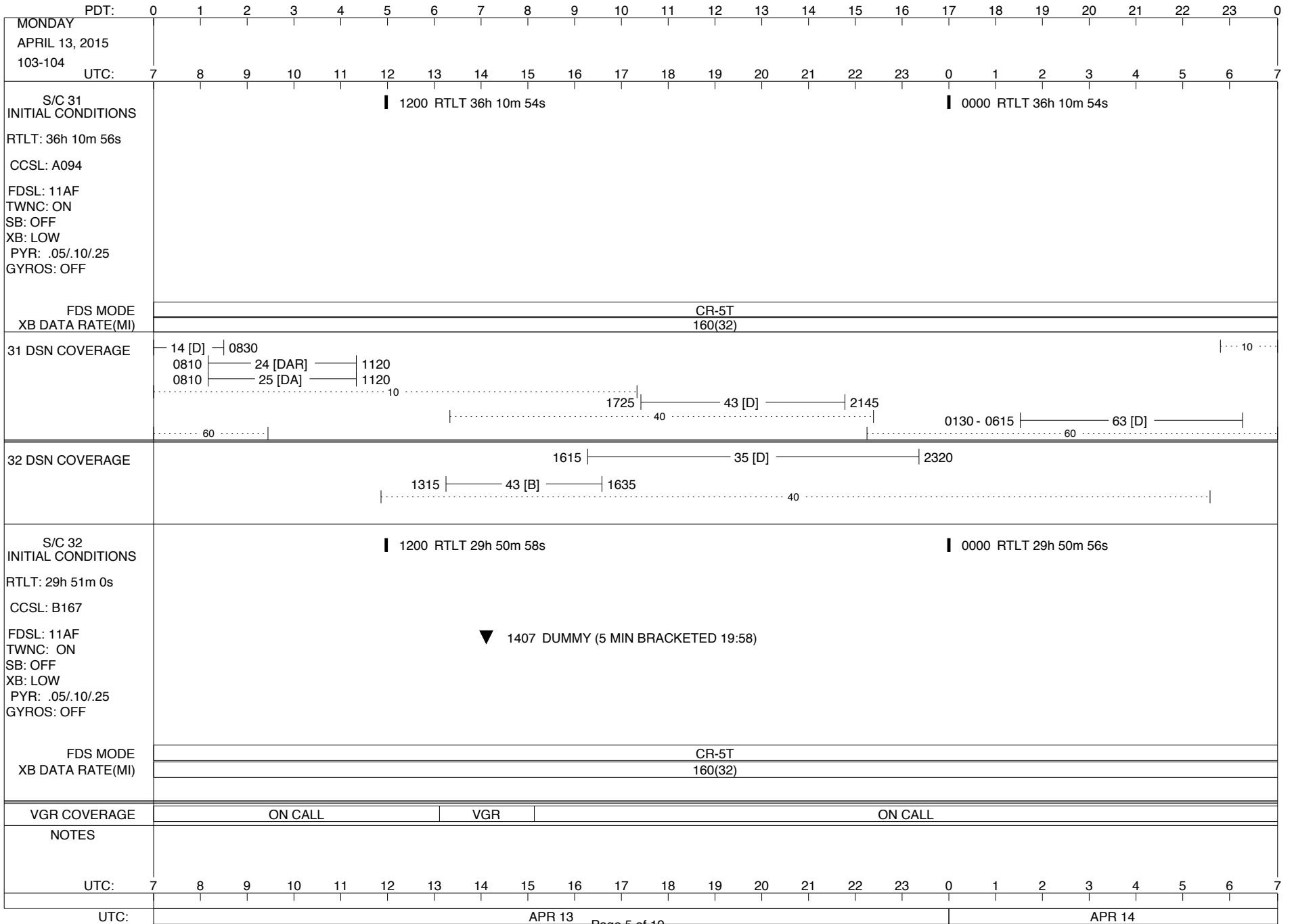
ISSUE DATE: 04/13/15 08:43

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 11, 2015 101-102	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: 36h 10m 58s CCSL: A094 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 10m 58s												0000 RTLT 36h 10m 56s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] | 0820 0800 | 24 [DAR] | 1440 0800 | 25 [DA] | 1440 10 40 60												2322 | 0016 TAPPOS 0224 | 0226 PWS/RH 0236 | 0344 TAPPOS ↓ 0224 GS-4B 0226 0300 | 55 [DAR] | 0500 0300 | 54 [DA] | 0500 10 60												
32 DSN COVERAGE	1615 | 35 [D] | 0115												1430 | 43 [o] | 1630												
S/C 32 INITIAL CONDITIONS RTLTL: 29h 51m 12s CCSL: B167 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 29h 51m 8s												0000 RTLT 29h 51m 6s												
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 @ 0224 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 11												APR 12												

ISSUE DATE: 04/13/15 08:43



ISSUE DATE: 04/13/15 08:43



ISSUE DATE: 04/13/15 08:43

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 14, 2015 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 RTLTL: 36h 10m 54s CCSL: A094 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 36h 10m 52s														0000 RTLT 36h 10m 52s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE		10																				0545 | 14 [D]							
32 DSN COVERAGE		1145 | 43 [D] | 1350 1530 | 34 [D] | 1925 1905 | 35 [D] | 2135														2210 | 63 [T] | 0240 60													
S/C 32 INITIAL CONDITIONS RTLTL: 29h 50m 56s CCSL: B167 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 29h 50m 52s 1254 |														0000 RTLT 29h 50m 50s --- COMMAND MORATORIUM ---													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																											
VGR COVERAGE		ON CALL														VGR				ON CALL									
NOTES		[1] S/C 31=GS-4B @ 1647 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 14														APR 15													

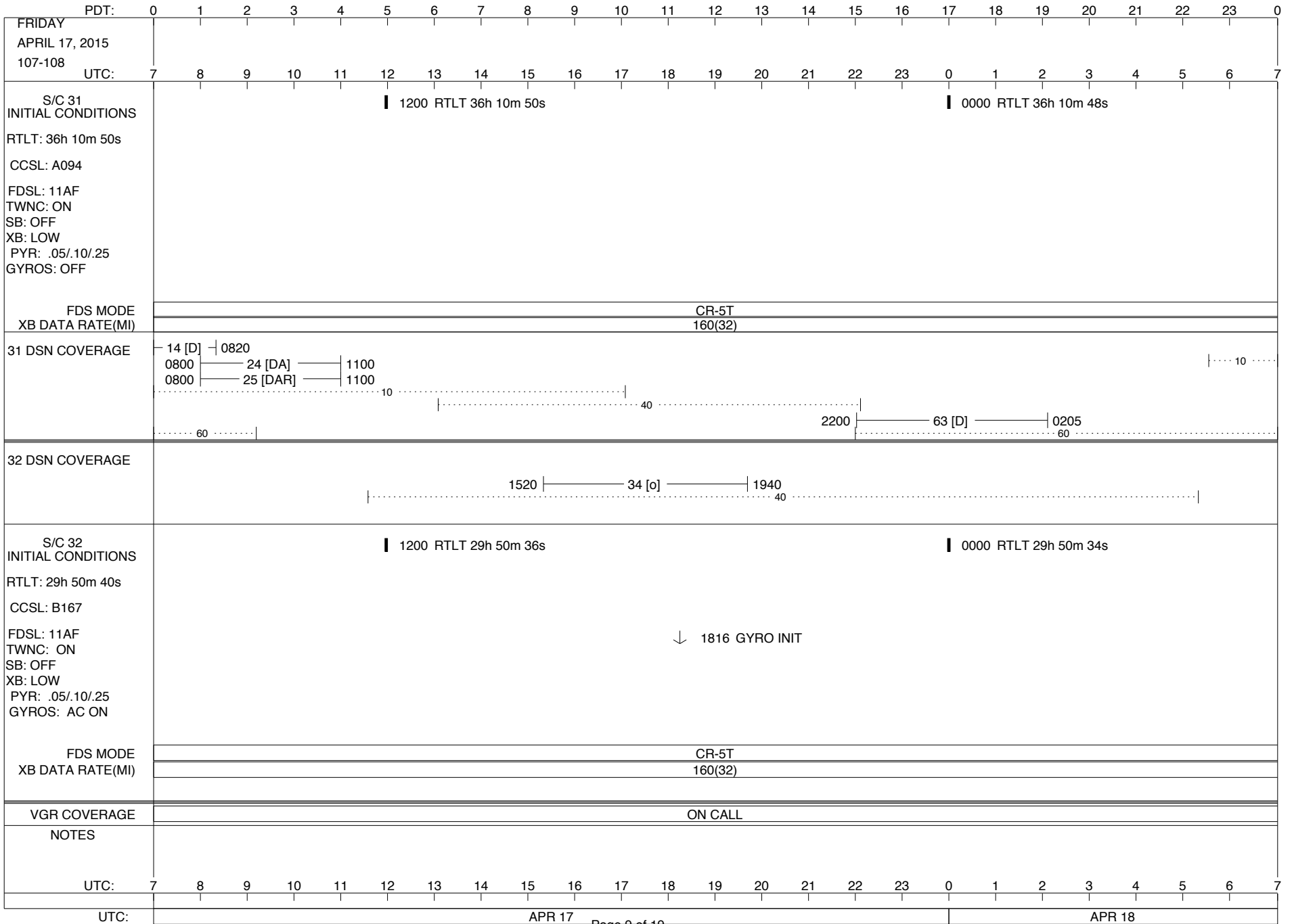
ISSUE DATE: 04/13/15 08:43

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 15, 2015 105-106																												
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: 36h 10m 52s CCSL: A094 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLT 36h 10m 52s												| 0000 RTLT 36h 10m 50s															
----- TLC (SHORT-FORM) -----																												
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	14 [D] | 0835 0815 | 24 [DAR] | 0950 0815 | 25 [DA] | 0950												15 [DA] 0700 25 [DAR] 0700 | 10															
..... 10 .....												..... 40												
..... 60												2210 | 63 [D] | 0430 60																
32 DSN COVERAGE	1525 | 35 [D] | 2115												..... 40														
S/C 32 INITIAL CONDITIONS RTLT: 29h 50m 50s CCSL: B167 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLT 29h 50m 48s												| 0000 RTLT 29h 50m 44s															
----- COMMAND MORATORIUM -----																												
												↓ 1816 GYROS AC ON ↓ 1816 GYRO INIT ↓ 1825 GYRO FAULT TEST																
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	7			
UTC:	APR 15														APR 16													

ISSUE DATE: 04/13/15 08:43

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 16, 2015 106-107																													
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 36h 10m 50s													| 0000 RTLT 36h 10m 50s														
RTLT: 36h 10m 50s																													
CCSL: A094															1958 | --- | 2052 TAPPOS														
FDSL: 11AF															2301 | 2302 PWS/RH														
TWNC: ON		- - - TLC (SHORT-FORM) - - - | D/L - | 1239													2312 | - - - - | 0020 TAPPOS														
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		15 [DA] ————— 0700 - 1235													0535 | - 14 [D] -														
		25 [DAR] ————— 0700 - 1235																											
		..... 10 .....													|.....10														
		|..... 40 .....													|.....10														
		|..... 60													0050 |----- 63 [D] -----| 0550														
		|..... 60 .....													|..... 60														
32 DSN COVERAGE		1520 |----- 35 [D] -----| 2145																											
		|..... 40 .....													|.....10														
S/C 32 INITIAL CONDITIONS		| 1200 RTLT 29h 50m 42s													| 0000 RTLT 29h 50m 40s														
RTLT: 29h 50m 44s		- - - - COMMAND MORATORIUM - - - - | 1225																											
CCSL: B167																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/10/25																													
GYROS: AC ON																													
FDS MODE															CR-5T														
XB DATA RATE(MI)															160(32)														
VGR COVERAGE		ON CALL																											
NOTES		[1] S/C 31=GS-4B @ 2300 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 16													APR 17														

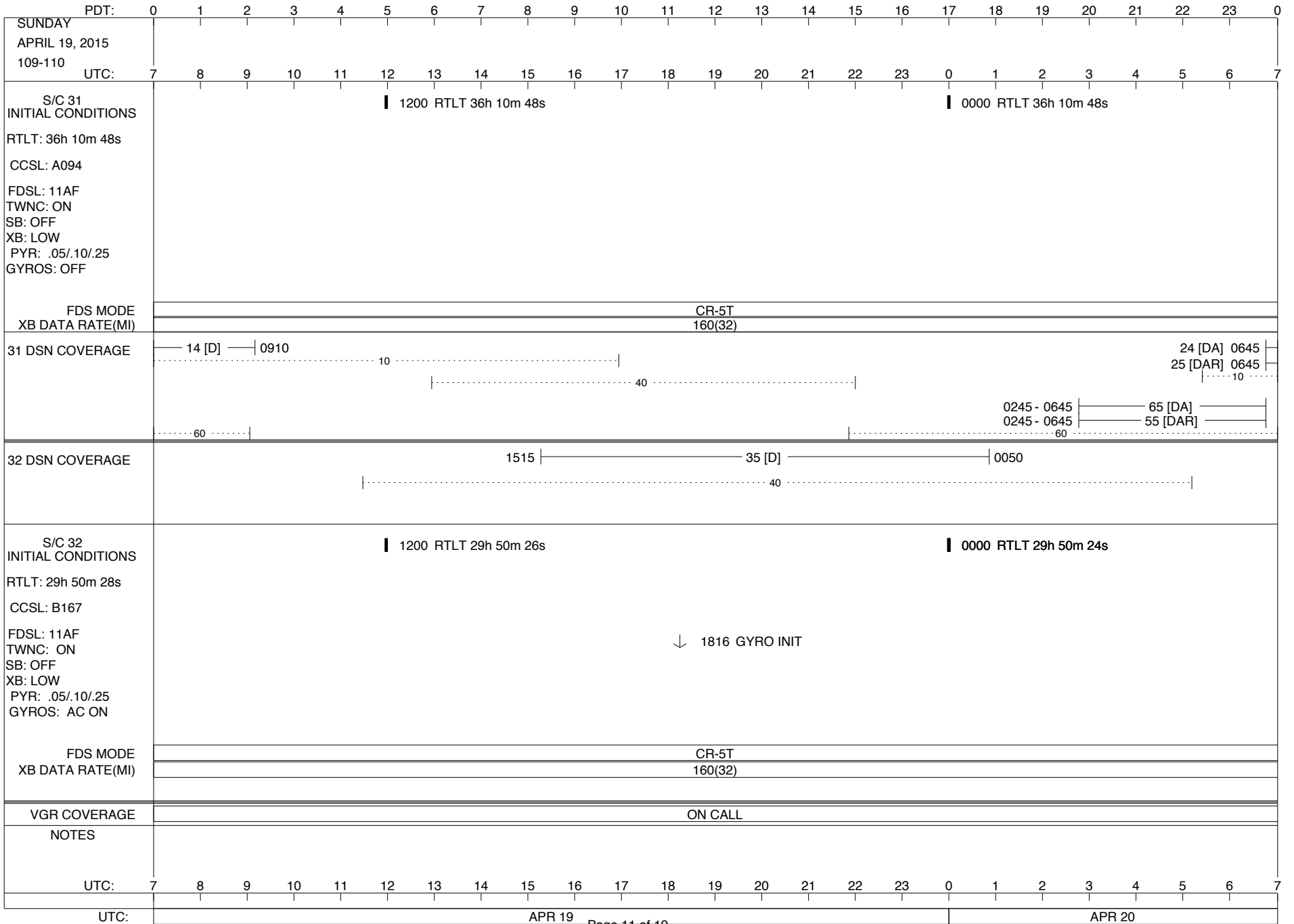
ISSUE DATE: 04/13/15 08:43



ISSUE DATE: 04/13/15 08:43

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 18, 2015 108-109	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: 36h 10m 48s CCSL: A094 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLTL 36h 10m 48s												| 0000 RTLTL 36h 10m 48s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D] | 0705 - 1325												0530 | 14 [D]												
	..... 10 .....												..... 10											
	..... 40 .....												..... 40											
	..... 60 .....												..... 60											
32 DSN COVERAGE	1130 | 43 [o] | 1330												1515 | 35 [D] | 0045												
	..... 40 .....												..... 40											
S/C 32 INITIAL CONDITIONS RTLTL: 29h 50m 34s CCSL: B167 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: AC ON	| 1200 RTLTL 29h 50m 32s												| 0000 RTLTL 29h 50m 28s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0200 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 18												APR 19												

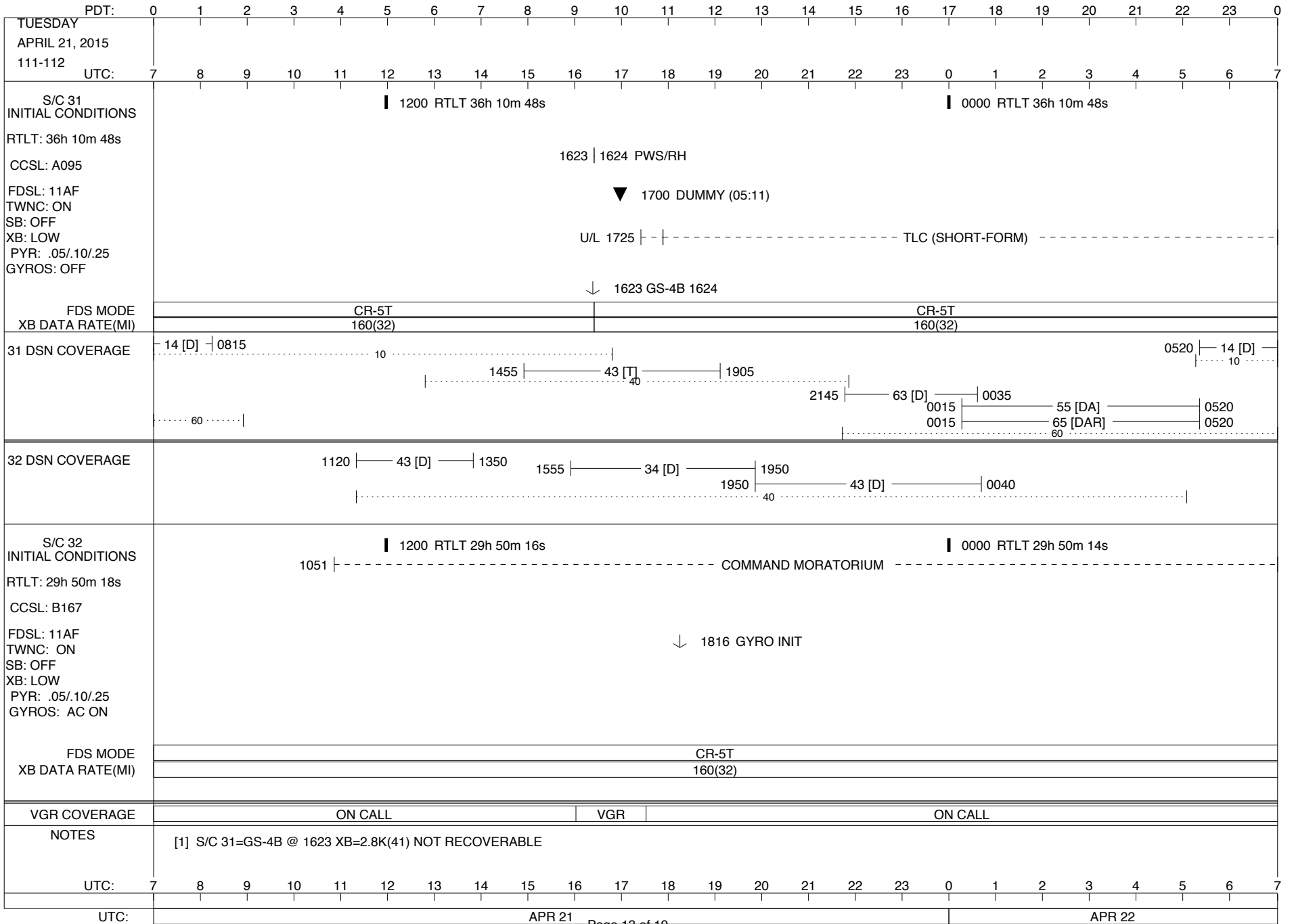
ISSUE DATE: 04/13/15 08:43



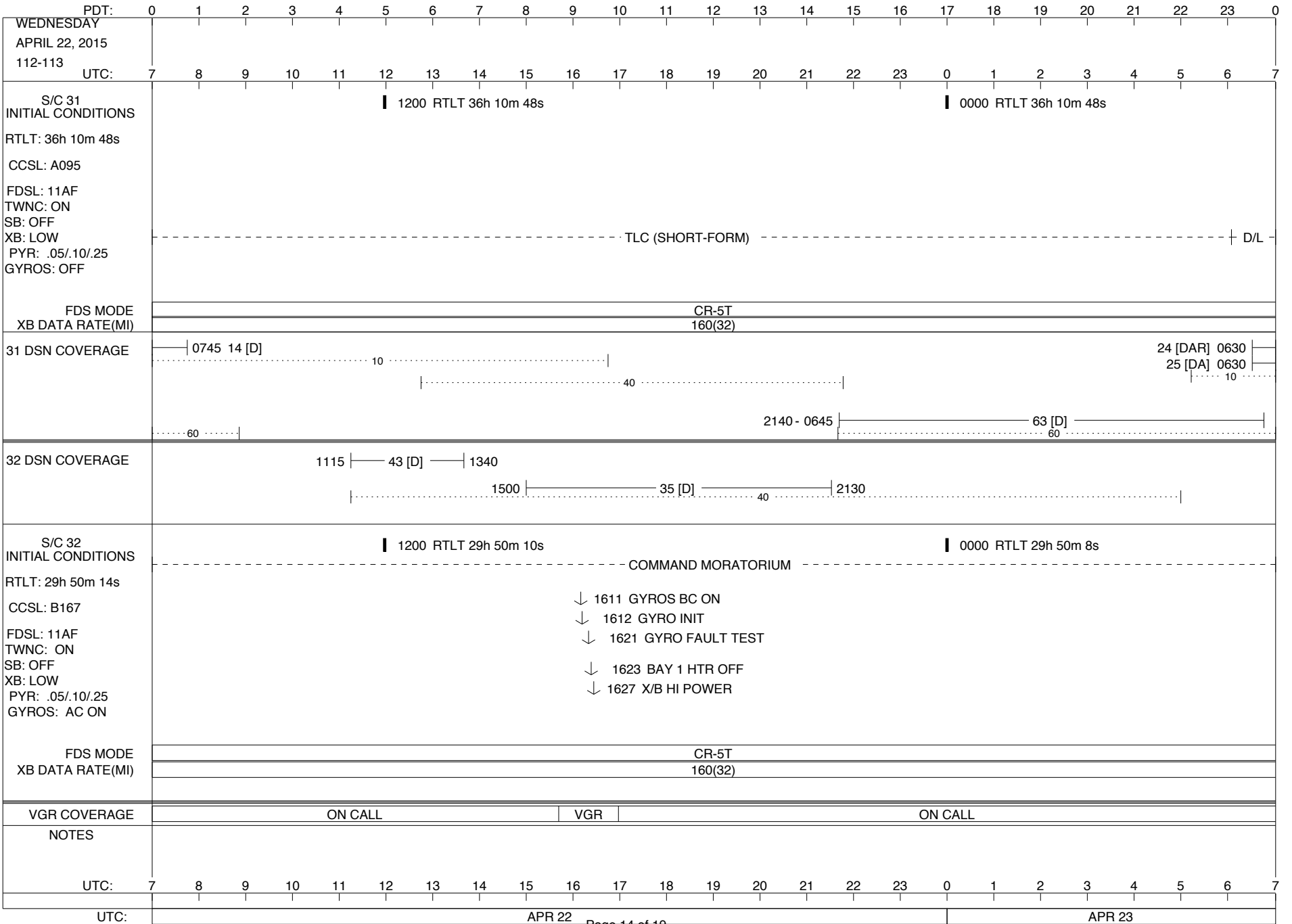
ISSUE DATE: 04/13/15 08:43

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 20, 2015 110-111																											
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: 36h 10m 48s CCSL: A094 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	BEGIN SEQUENCE A095 0314 ↓																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p>Timeline for 31 DSN COVERAGE:</p> <ul style="list-style-type: none"> 0940 - 0940: 24 [DA] 0940 - 0940: 25 [DAR] 0035 - 0035: 63 [D] 0310 - 0310: 54 [DAR] 0310 - 0310: 55 [DA] 0520 - 0520: 14 [D] 																										
32 DSN COVERAGE	<p>Timeline for 32 DSN COVERAGE:</p> <ul style="list-style-type: none"> 1615 - 1615: 34 [o] 2335 - 2335: 40 																										
S/C 32 INITIAL CONDITIONS RTLT: 29h 50m 24s CCSL: B167 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: AC ON	| 1200 RTLT 29h 50m 22s													| 0000 RTLT 29h 50m 18s													
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 20													APR 21													

ISSUE DATE: 04/13/15 08:43



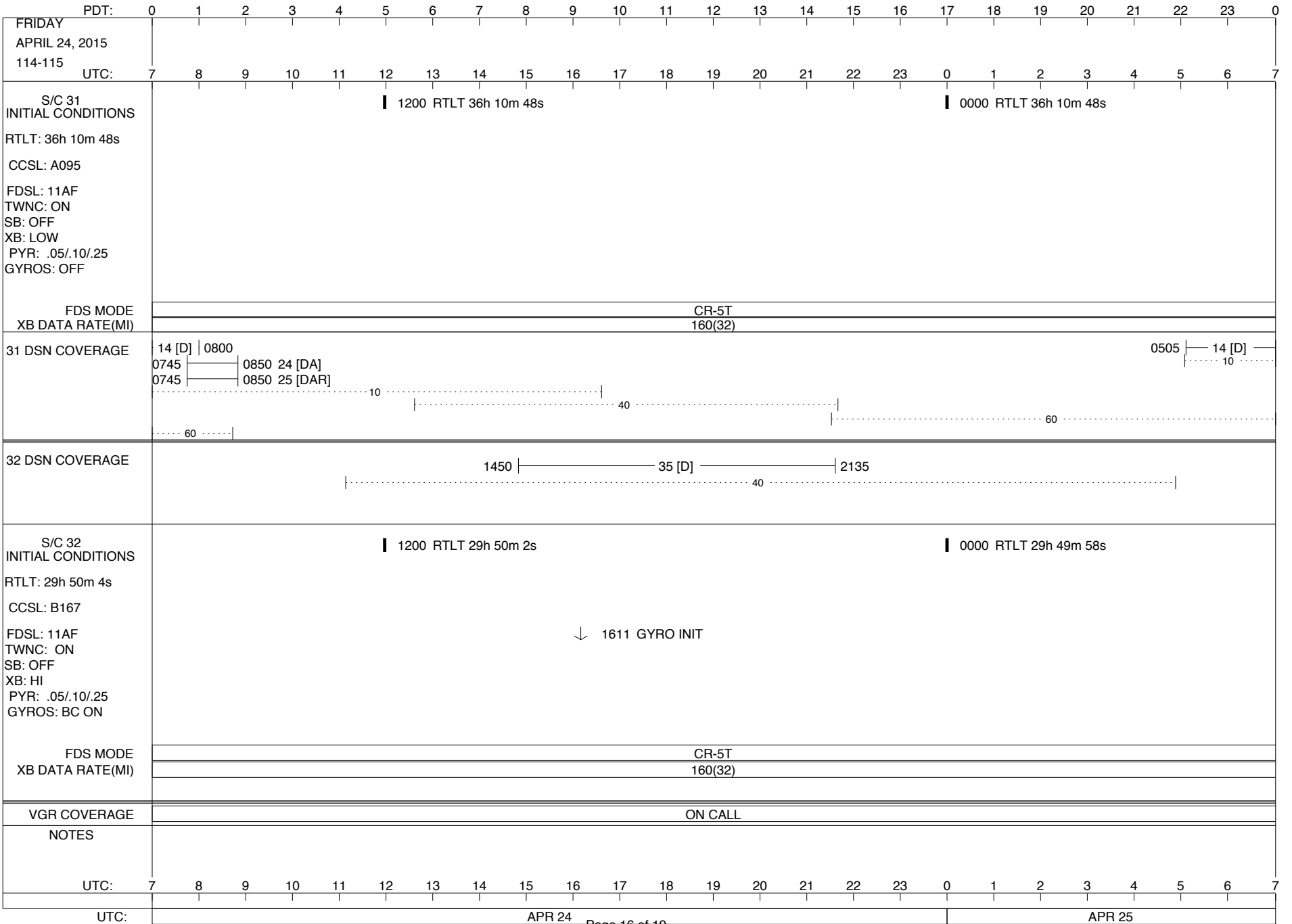
ISSUE DATE: 04/13/15 08:43



ISSUE DATE: 04/13/15 08:43

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 23, 2015 113-114																									
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: 36h 10m 48s CCSL: A095 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 36h 10m 48s												0000 RTLT 36h 10m 48s												
0704 D/L													1934 |-----| 2042 TAPPOS 2237 | 2238 PWS/RH 2248 | TAPPOS | 0010												
FDS MODE	CR-5T												2237 GS-4B 2238												
XB DATA RATE(MI)	160(32)												CR-5T 160(32)												
31 DSN COVERAGE	24 [DAR] | 0905 25 [DA] | 0905												0515 | 14 [D] |												
	10												1545 | 43 [D] | 1745												
													40												
													2135 | 63 [D] | 0420												
	60												60												
32 DSN COVERAGE	1325 | 43 [o] | 1455																								
	1605 | 45 [D] | 2145																								
	40																								
S/C 32 INITIAL CONDITIONS RTLT: 29h 50m 8s CCSL: B167 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 29h 50m 6s												0000 RTLT 29h 50m 4s												
	1037 COMMAND MORATORIUM																								
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 2237 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 23												APR 24												

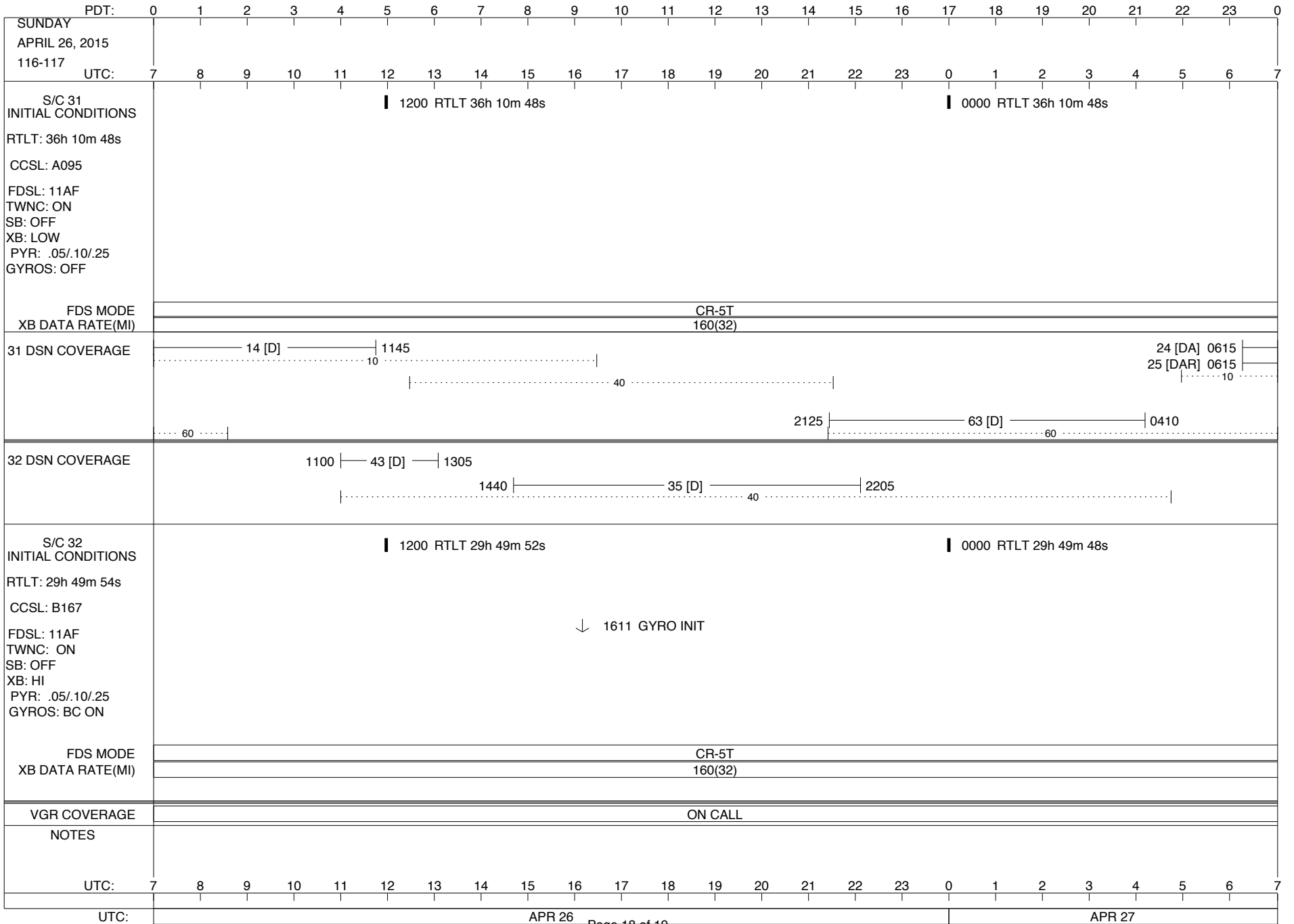
ISSUE DATE: 04/13/15 08:43



ISSUE DATE: 04/13/15 08:43

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 25, 2015 115-116	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: 36h 10m 48s CCSL: A095 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLTL 36h 10m 48s												| 0000 RTLTL 36h 10m 48s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] | 1450												0500 | 14 [D] |												
	.....60.....|												.....40.....|												
	.....60.....|												0220 | 63 [D] | 0520											
	.....60.....|												.....60.....|												
32 DSN COVERAGE	1105 | 43 [o] | 1505												2115 | 35 [D] | 2300												
	.....40.....|												.....40.....|												
S/C 32 INITIAL CONDITIONS RTLTL: 29h 49m 58s CCSL: B167 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	| 1200 RTLTL 29h 49m 56s												| 0000 RTLTL 29h 49m 54s												
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 @ 0137 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 25												APR 26												

ISSUE DATE: 04/13/15 08:43



ISSUE DATE: 04/13/15 08:43

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 27, 2015 117-118																												
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: 36h 10m 48s CCSL: A095 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLT 36h 10m 48s												| 0000 RTLT 36h 10m 50s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	24 [DA] | 0850		25 [DAR] | 0850	10.....									40.....									60.....|			
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLT: 29h 49m 48s CCSL: B167 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	| 1200 RTLT 29h 49m 46s																											
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 27														APR 28													