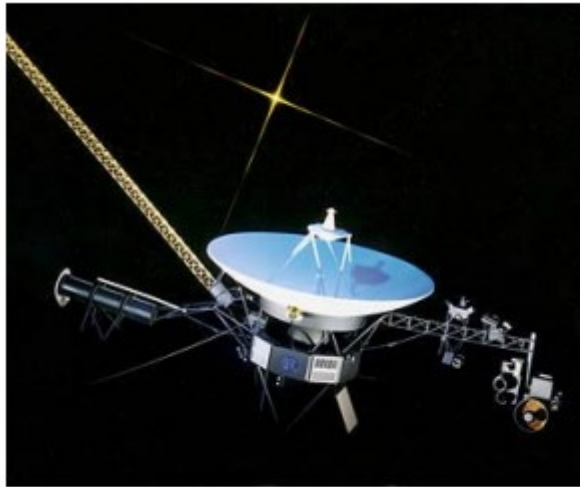


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: April 3, 2019

For the Period: 04/04/19 to 04/22/19 (19/095 – 19/112)



Posted at <https://voyager.jpl.nasa.gov/mission/status/>

LEGEND:

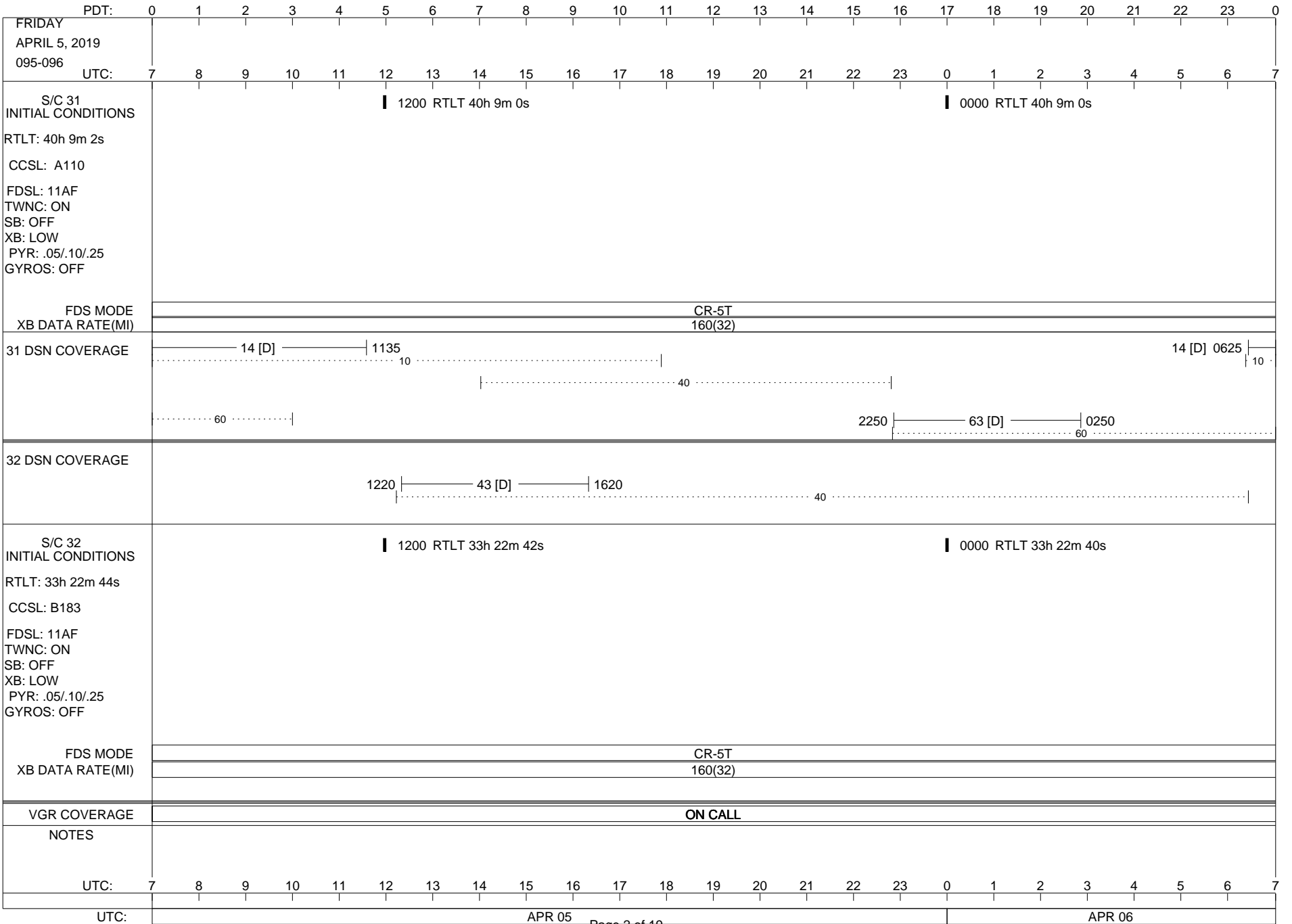
- ∇ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

02/27/19

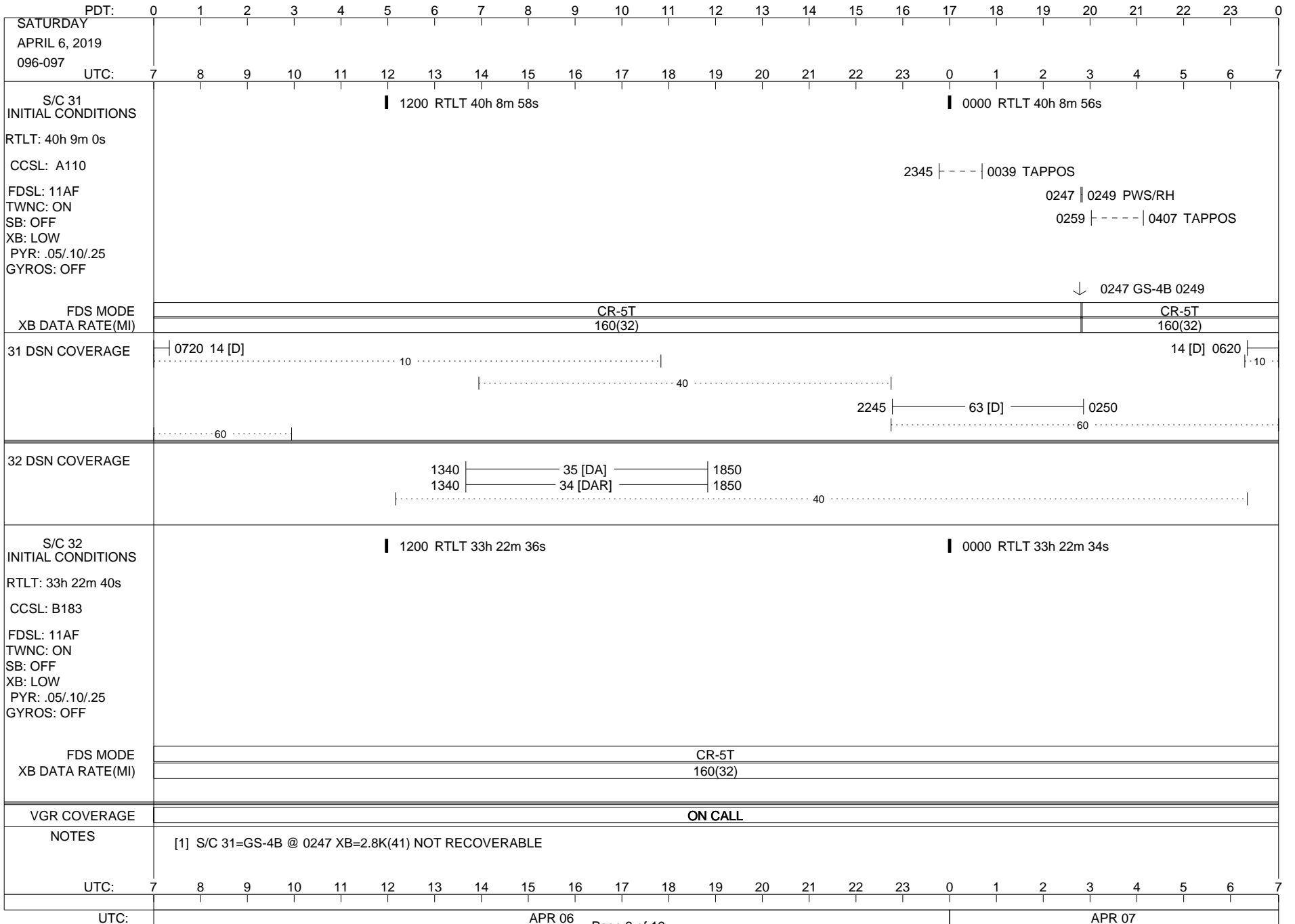
ISSUE DATE: 04/08/19 08:02

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			
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			
THURSDAY APRIL 4, 2019 094-095																												
S/C 31 INITIAL CONDITIONS RTLTL: 40h 9m 4s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 9m 4s														0000 RTLT 40h 9m 2s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	0730 14 [D]														14 [D] 0625													
32 DSN COVERAGE	1430 43 [D] 1830																											
S/C 32 INITIAL CONDITIONS RTLTL: 33h 22m 50s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 22m 46s														0000 RTLT 33h 22m 44s													
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 @ 2347 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 04														APR 05													

ISSUE DATE: 04/08/19 08:02



ISSUE DATE: 04/08/19 08:02



ISSUE DATE: 04/08/19 08:02

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 8, 2019 098-099	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: 40h 8m 54s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 40h 8m 54s												0000 RTLT 40h 8m 52s												
U/L 0705 -	----- TLC (SHORT-FORM) -----																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	14 [T1] 1025												14 [D] 0605 10												
 10 40 60												
32 DSN COVERAGE	1330 36 [DA] 1735												1330 34 [DAR] 1735												
 40																								
S/C 32 INITIAL CONDITIONS RTLTL: 33h 22m 30s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 22m 26s												0000 RTLT 33h 22m 24s												
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 08												APR 09												

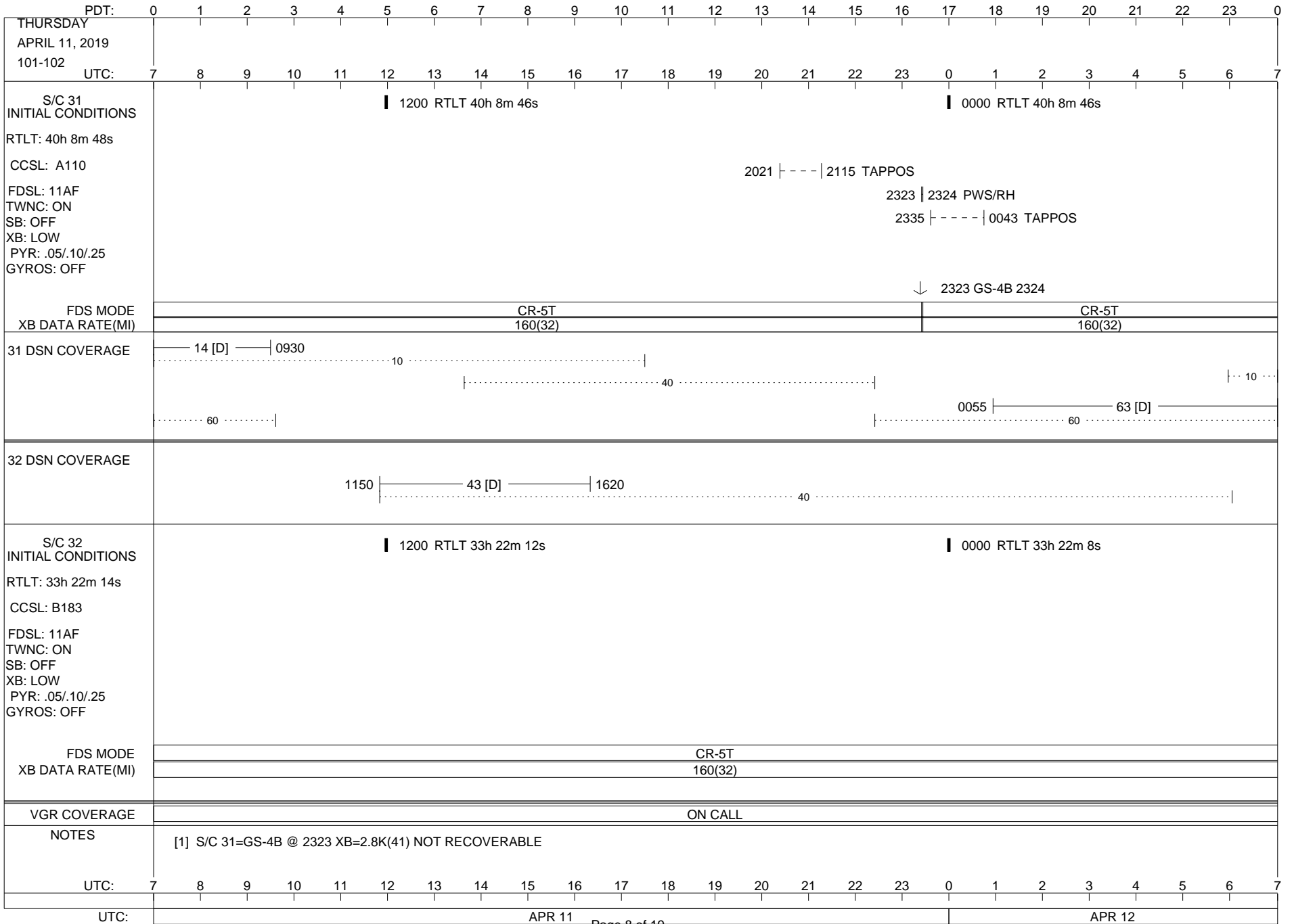
ISSUE DATE: 04/08/19 08:02

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			
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			
TUESDAY APRIL 9, 2019 099-100																												
S/C 31 INITIAL CONDITIONS RTLT: 40h 8m 52s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 8m 50s												0000 RTLT 40h 8m 50s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE	<p>14 [D] 1005</p> <p>10</p> <p>40</p> <p>2235 63 [D] 0235</p> <p>60</p>																											
32 DSN COVERAGE	<p>1200 43 [Bo] 1615</p> <p>40</p> <p>2335 43 [D] 0135</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 33h 22m 24s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 22m 22s												0000 RTLT 33h 22m 18s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	ON CALL							VGR							ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1710 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 09														APR 10													

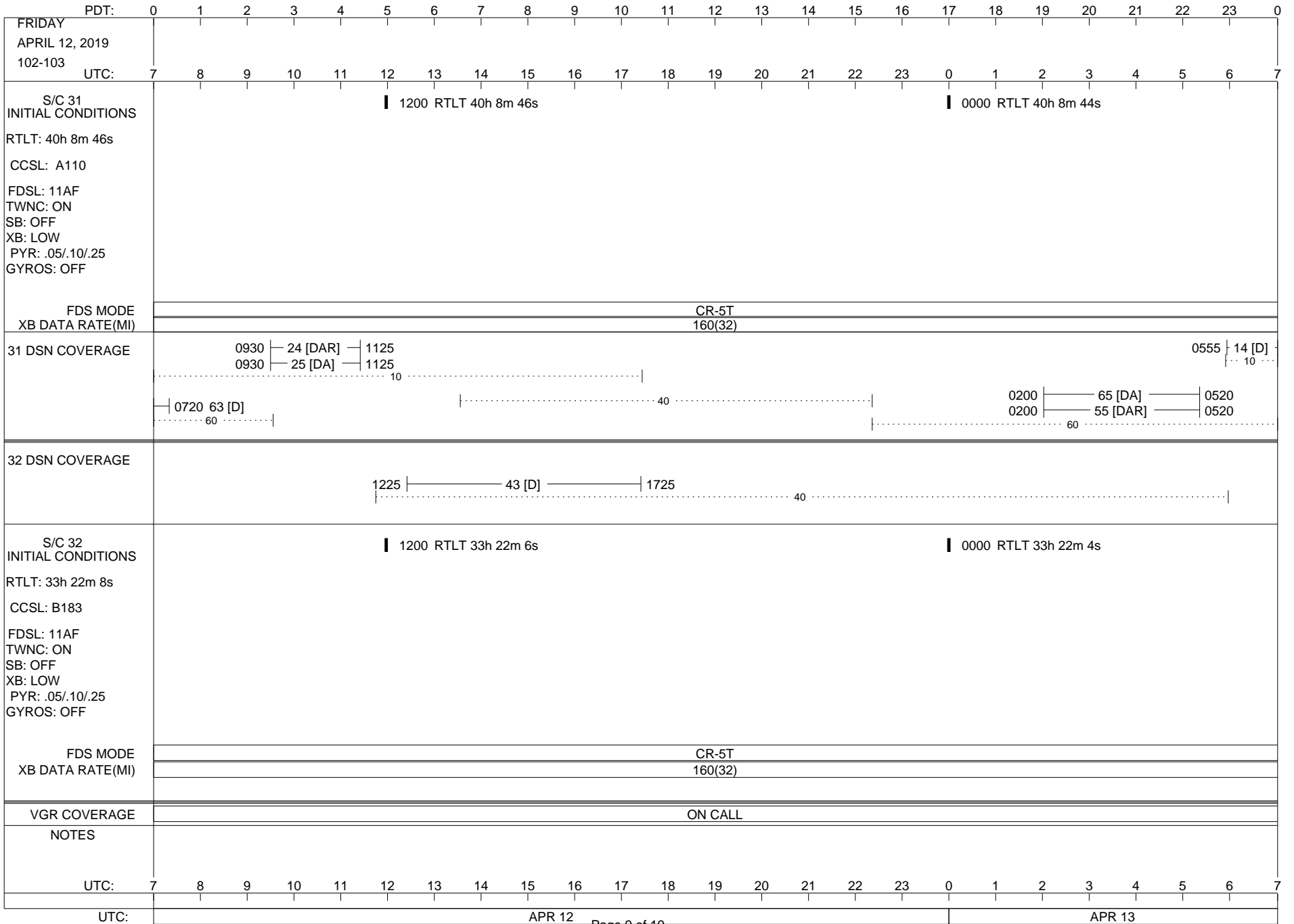
ISSUE DATE: 04/08/19 08:02

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 10, 2019 100-101																										
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: 40h 8m 50s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 8m 48s												0000 RTLT 40h 8m 48s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE10.....												14 [D] 0615 10.....													
60.....												2335 -----63 [D]----- 033560.....													
32 DSN COVERAGE													2055 -----43 [D]----- 031540.....													
S/C 32 INITIAL CONDITIONS RTLT: 33h 22m 18s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 22m 16s												0000 RTLT 33h 22m 14s													
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 10													APR 11												

ISSUE DATE: 04/08/19 08:02



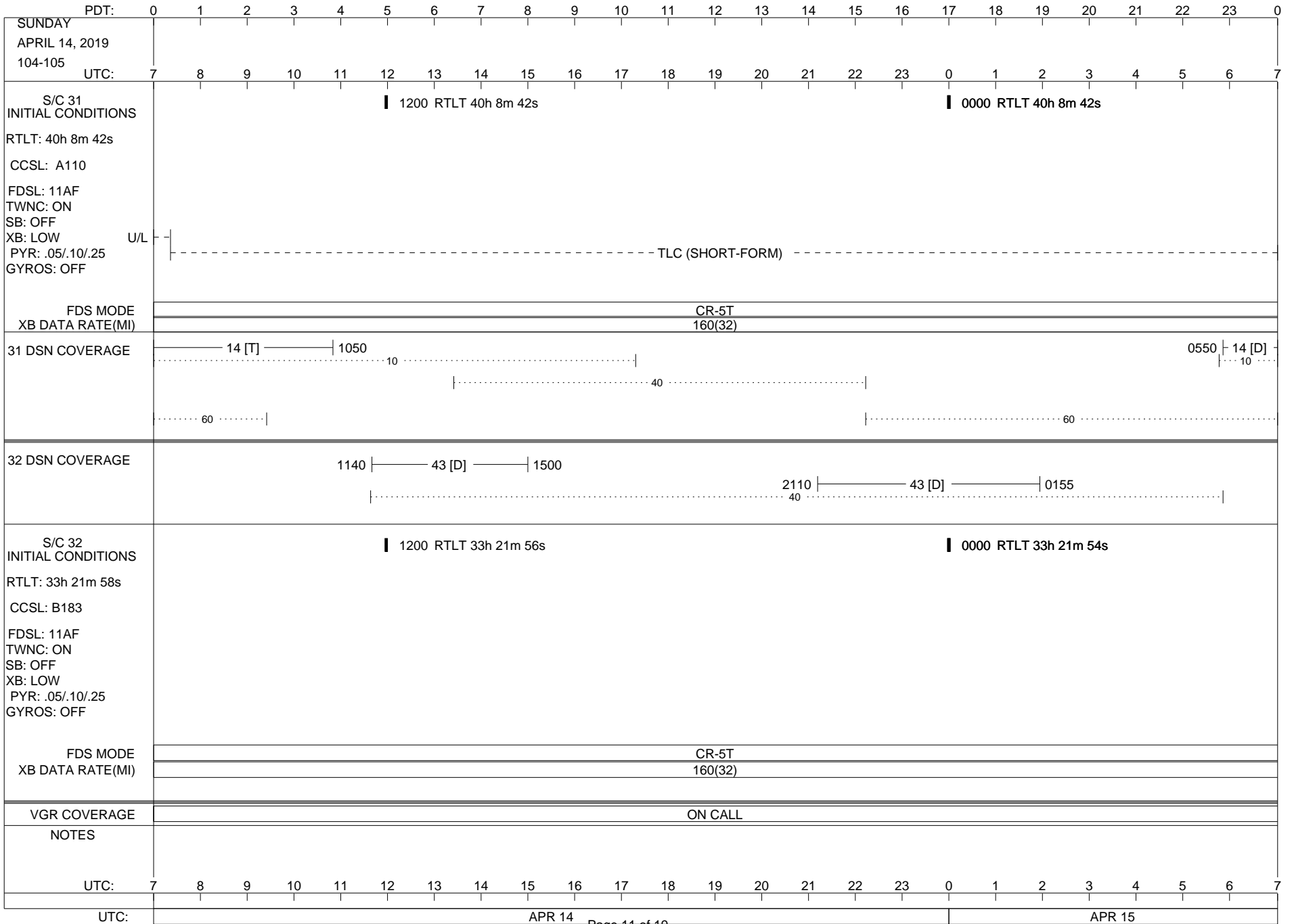
ISSUE DATE: 04/08/19 08:02



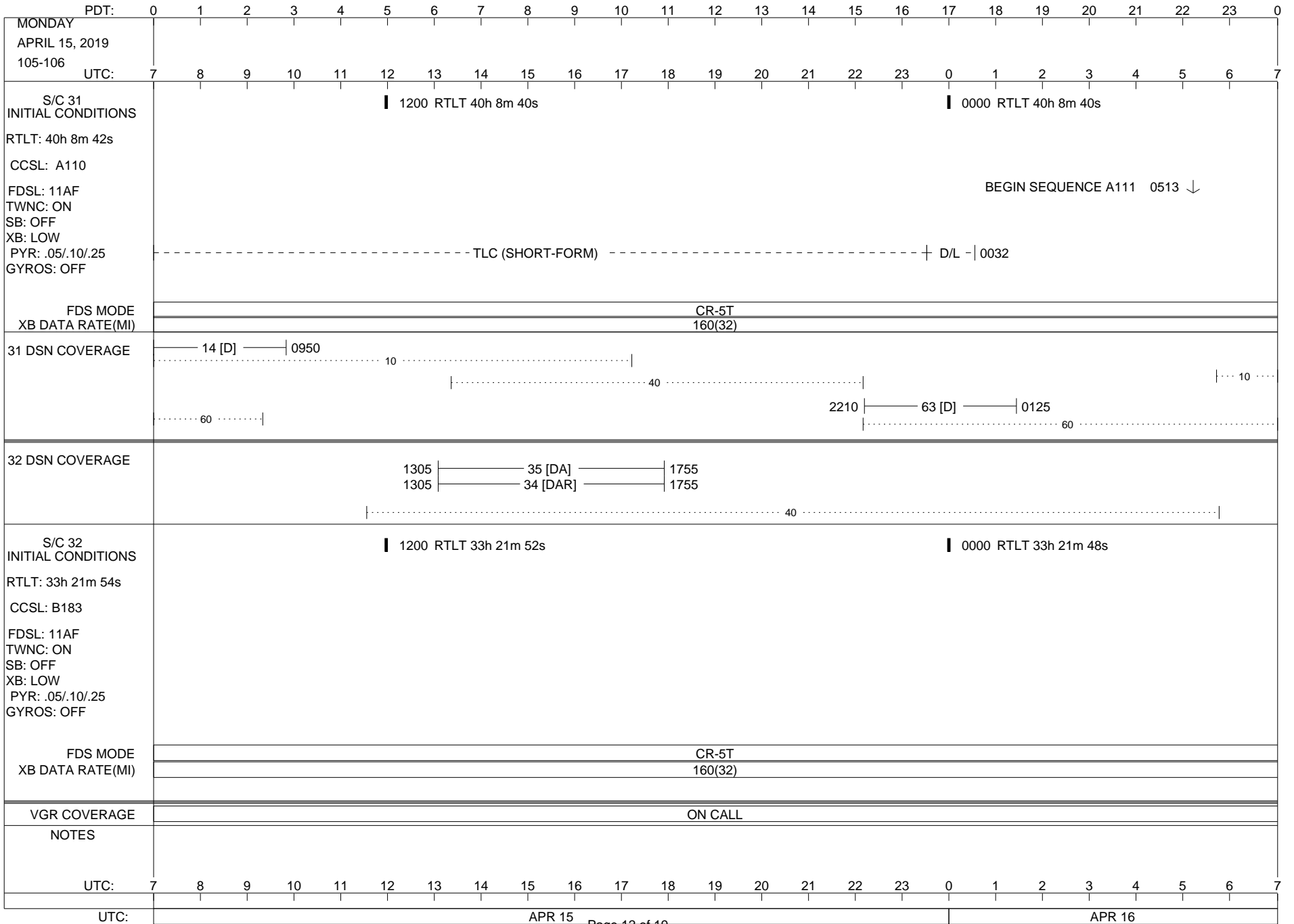
ISSUE DATE: 04/08/19 08:02

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 13, 2019 103-104	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: 40h 8m 44s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 8m 44s												0000 RTLT 40h 8m 42s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0955												0605 14 [T]												
32 DSN COVERAGE	1145 43 [B] 1545																								
S/C 32 INITIAL CONDITIONS RTLT: 33h 22m 4s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 22m 2s												0000 RTLT 33h 21m 58s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL						VGR						ON CALL						VGR						
NOTES	[1] S/C 31=GS-4B @ 0223 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 13												APR 14												

ISSUE DATE: 04/08/19 08:02



ISSUE DATE: 04/08/19 08:02



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			
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			
TUESDAY APRIL 16, 2019 106-107																												
S/C 31 INITIAL CONDITIONS RTLT: 40h 8m 40s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 8m 40s												0000 RTLT 40h 8m 38s															
FDS MODE	CR-5T												CR-5T						CR-5T									
XB DATA RATE(MI)	160(32)												160(32)						160(32)									
31 DSN COVERAGE	<p>0750 ----- 25 [DAR] ----- 1150</p> <p>0750 ----- 26 [DA] ----- 1150</p> <p>.....10..... -----40-----10.....</p> <p>.....60..... -----2215-----63 [D]----- 0100</p> <p>.....60..... -----60----- </p>																											
32 DSN COVERAGE	<p>1135 ----- 43 [o] ----- 1535</p> <p>.....40..... ----- </p>																											
S/C 32 INITIAL CONDITIONS RTLT: 33h 21m 48s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 21m 46s												0000 RTLT 33h 21m 44s															
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL																											
NOTES	[1] S/C 31=GS-4B @ 1646 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: 04/08/19 08:02

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													
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													
WEDNESDAY APRIL 17, 2019 107-108																																						
S/C 31 INITIAL CONDITIONS RTLTL: 40h 8m 38s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 8m 38s														0000 RTLT 40h 8m 38s																							
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)																							
31 DSN COVERAGE	0745	25 [DAR]		1140																																		
	0745	26 [DA]		1140																																		
									
	60										40										2220 63 [D] 0055								60									
32 DSN COVERAGE	1130 43 [D] 1330														2100 43 [D] 0245																							
S/C 32 INITIAL CONDITIONS RTLTL: 33h 21m 44s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 21m 42s														0000 RTLT 33h 21m 38s																							
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 17														APR 18																							

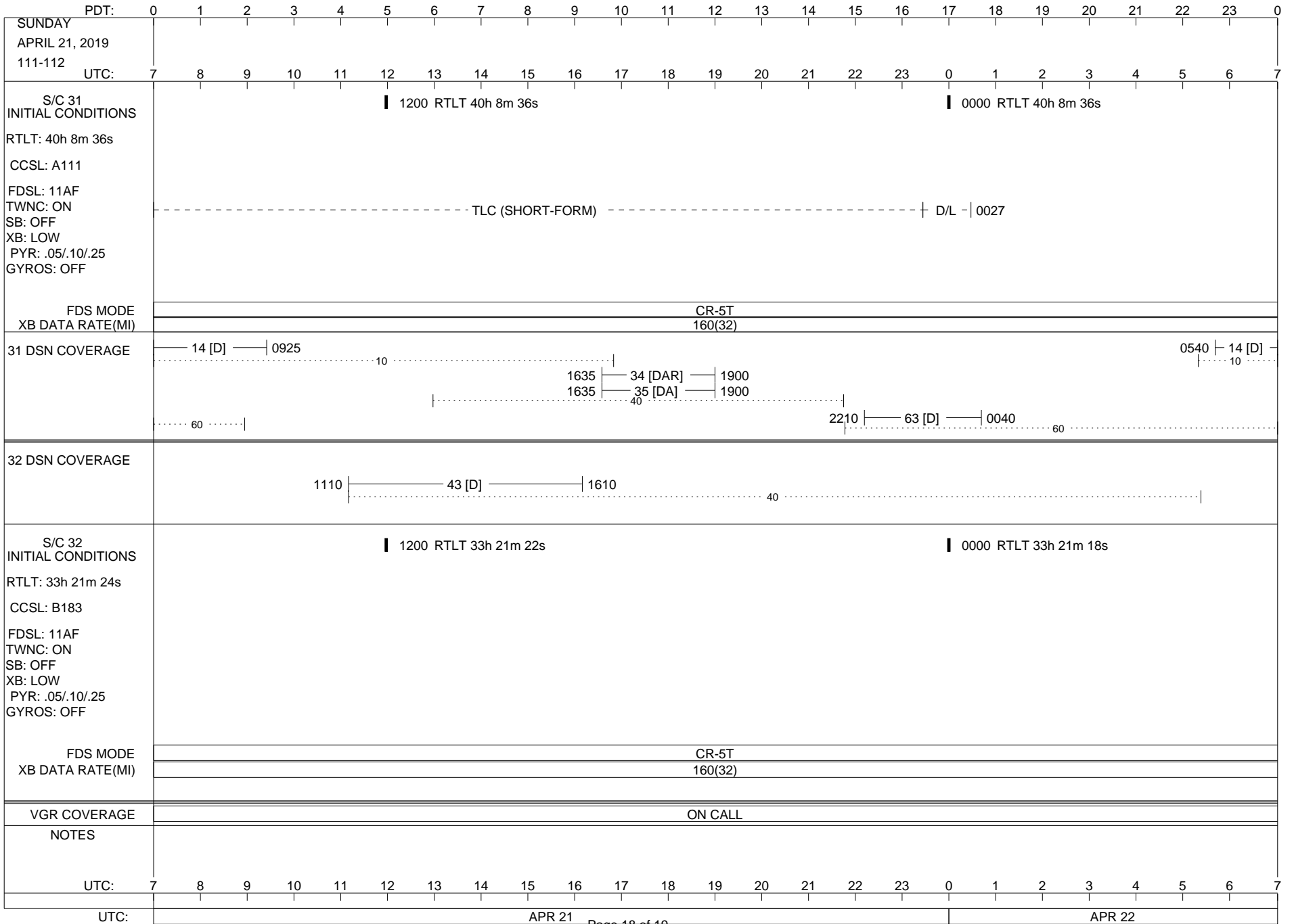
ISSUE DATE: 04/08/19 08:02

		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 APRIL 19, 2019 109-110																									
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: 40h 8m 36s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 40h 8m 36s												0000 RTLT 40h 8m 36s											
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)											
31 DSN COVERAGE		25 [DAR] 0740 - 1140 26 [DA] 0740 - 1140												0555 14 [T] 10											
32 DSN COVERAGE	 60 40 60											
S/C 32 INITIAL CONDITIONS RTLTL: 33h 21m 34s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 33h 21m 32s												0000 RTLT 33h 21m 28s											
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)											
VGR COVERAGE		ON CALL																					VGR		
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 19												APR 20											

ISSUE DATE: 04/08/19 08:02

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 20, 2019 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: 40h 8m 36s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 8m 36s												0000 RTLT 40h 8m 36s												
U/L	TLC (SHORT-FORM)																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [T] 1310												0525 14 [D]												
	60												2155 63 [D] 0040												
32 DSN COVERAGE	1115 43 [D] 1520												2340 43 [B] 0320												
S/C 32 INITIAL CONDITIONS RTLT: 33h 21m 28s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 21m 26s												0000 RTLT 33h 21m 24s												
	1216 - 1248 SHUNT POWER TEST												DUMMY (5 MIN BRACKETED 11:34) 0212 ▼												
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 @ 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 20												APR 21												

ISSUE DATE: 04/08/19 08:02



ISSUE DATE: 04/08/19 08:02

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 22, 2019 112-113																											
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: 40h 8m 36s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 40h 8m 36s																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<p>Timeline for 31 DSN COVERAGE: 14 [D] 0955 10 40 60 </p>																										
32 DSN COVERAGE	1110 43 [D] 1510																										
S/C 32 INITIAL CONDITIONS RTLTL: 33h 21m 18s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 33h 21m 18s																										
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 22													APR 23													