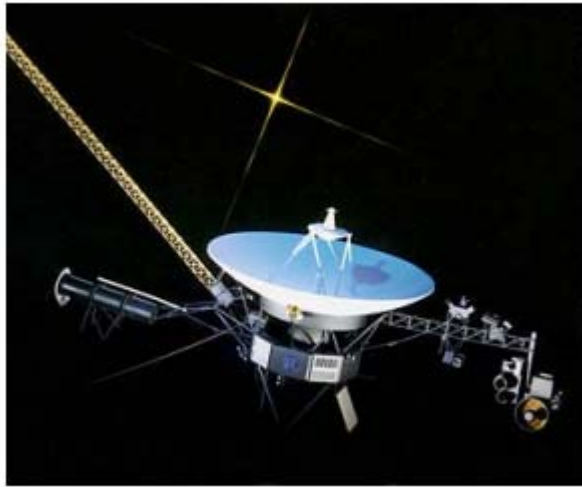


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: March 17, 2021

For the Period: 03/18/21 to 04/05/21 (21/077 – 21/095)



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: 03/24/21 07:20

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 MARCH 18, 2021 077-078																											
S/C 31 INITIAL CONDITIONS RTLTL: 42h 8m 44s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 8m 42s													0000 RTLT 42h 8m 40s													
FDS MODE	CR-5T													CR-5T													
XB DATA RATE(MI)	160(32)													160(32)													
31 DSN COVERAGE	0840 |----- 24 [DAR] -----| 1240 0840 |----- 25 [DA] -----| 1240 0840 |----- 26 [DA] -----| 1240 |----- 10 -----| |----- 60 -----|													0000-0615 |----- 63 [D] -----| |----- 60 -----|													
32 DSN COVERAGE	0740 | 43 [D] | 40 |-----|													2140 |----- 34 [DA] -----| 0150 2140 |----- 43 [DAR] -----| 0150 |----- 40 -----|													
S/C 32 INITIAL CONDITIONS RTLTL: 35h 9m 34s CCSL: B191 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 9m 32s													0000 RTLT 35h 9m 30s													
----- COMMAND MORATORIUM -----																											
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 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (2229-2348)																										
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 18													Page 1 of 19							MAR 19						

ISSUE DATE: 03/24/21 07:20

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 19, 2021 078-079																									
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: 42h 8m 40s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200												█ 0000							
																				▼ 0120					
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 35h 9m 30s CCSL: B191 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200												█ 0000							
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:																									

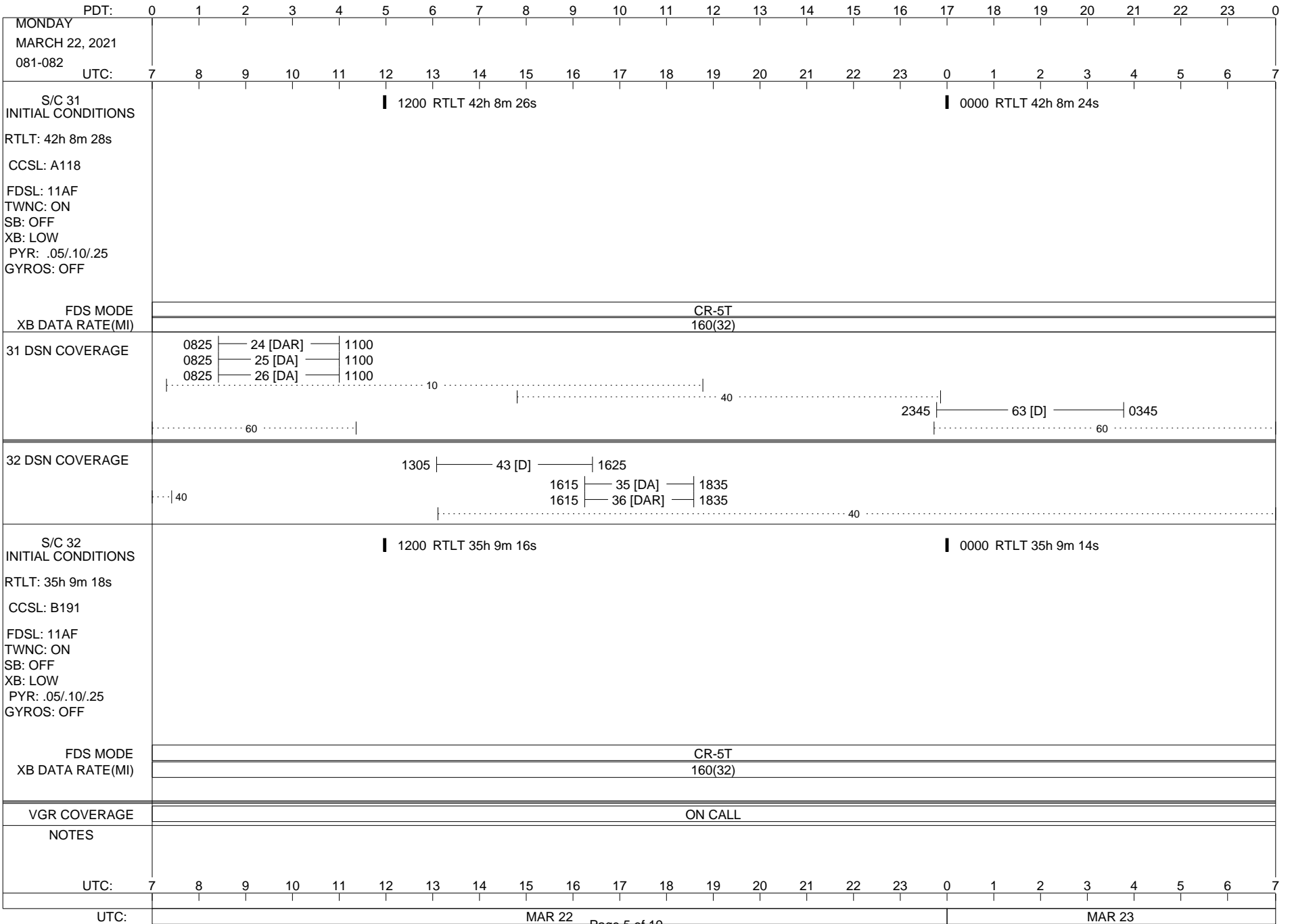
ISSUE DATE: 03/24/21 07:20

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 20, 2021 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 RTLTL: 42h 8m 36s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 42h 8m 34s												0000 RTLTL 42h 8m 32s															
----- TLC (SHORT-FORM) -----																												
														0021 | TAPPOS | 0143 0323 | 0324 PWS/RH 0335 | - - - - | 0443 TAPPOS ↓ 0323 GS-4B 0324														
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	| ..... 10 ..... |														| ..... 40 ..... |													
	| ..... 60 ..... |														2355 |----- 63 [D] -----| 0435 | ..... 60 ..... |													
32 DSN COVERAGE	40 |														1325 |----- 43 [D] -----| 1635 0000 |----- 43 [o] -----| 0345 | ..... 40 ..... |													
S/C 32 INITIAL CONDITIONS RTLTL: 35h 9m 26s CCSL: B191 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 35h 9m 24s												0000 RTLTL 35h 9m 22s															
----- COMMAND MORATORIUM -----																												
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														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 20														MAR 21													

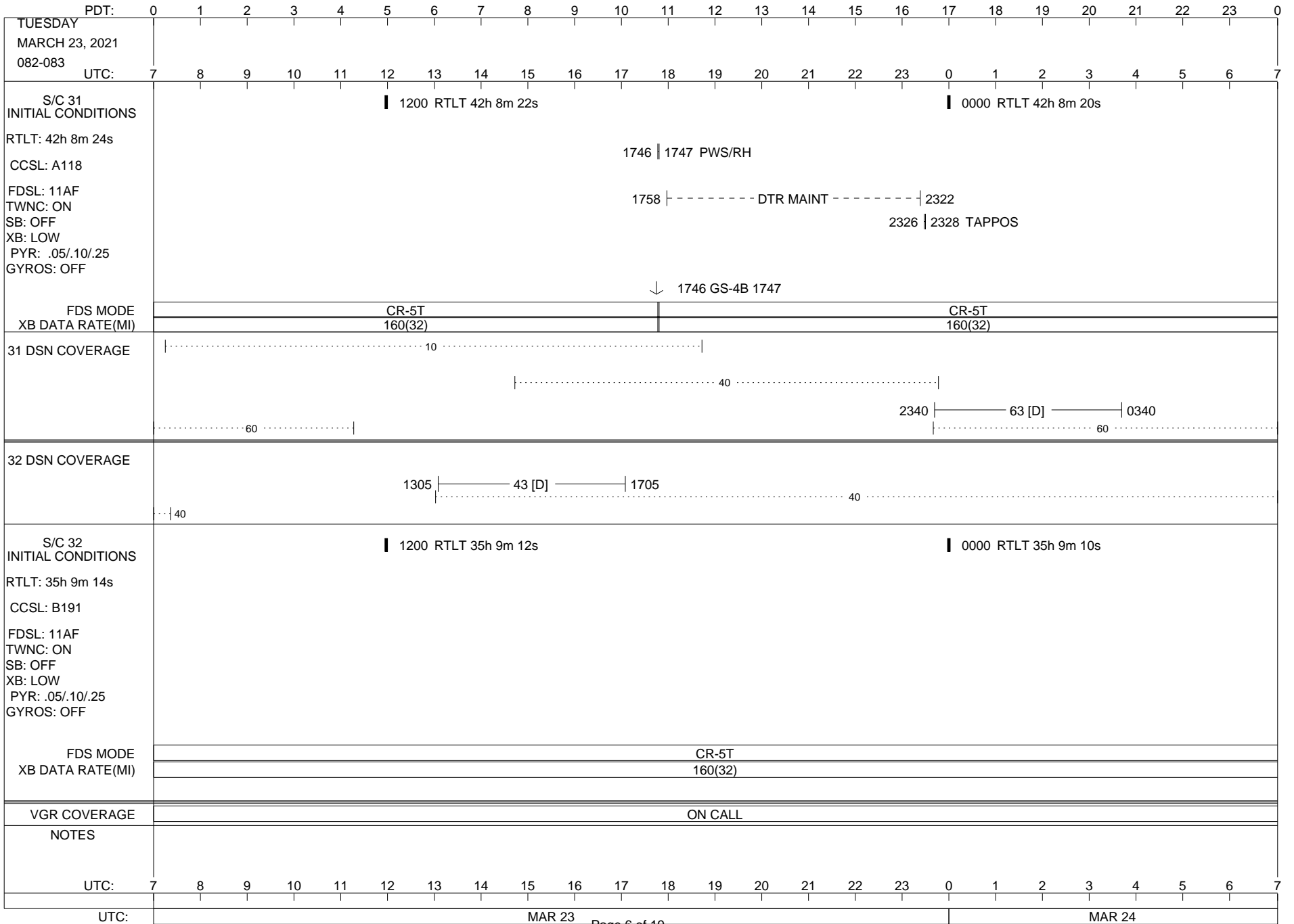
ISSUE DATE: 03/24/21 07:20

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 21, 2021 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 RTLTL: 42h 8m 32s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 8m 30s												0000 RTLT 42h 8m 28s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	60 |-----|												1920 |--- 43 [D] ---| 2120 40												
	2350 |----- 63 [D] -----| 0350 60																								
32 DSN COVERAGE	40 |----- 1310 |--- 43 [D] ---| 1710 40																								
S/C 32 INITIAL CONDITIONS RTLTL: 35h 9m 22s CCSL: B191 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 9m 20s												0000 RTLT 35h 9m 18s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	----- COMMAND MORATORIUM ----- | 0325 ↓ 1431 BAY 1 HTR OFF ↓ 1431 GYROS AC ON 1439 |---| 1530 CONDITIONING ↓ 1530 GYROS OFF ↓ 1539 BAY 1 HTR ON ↓ 1434 EL-40 1435																								
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: 03/24/21 07:20



ISSUE DATE: 03/24/21 07:20



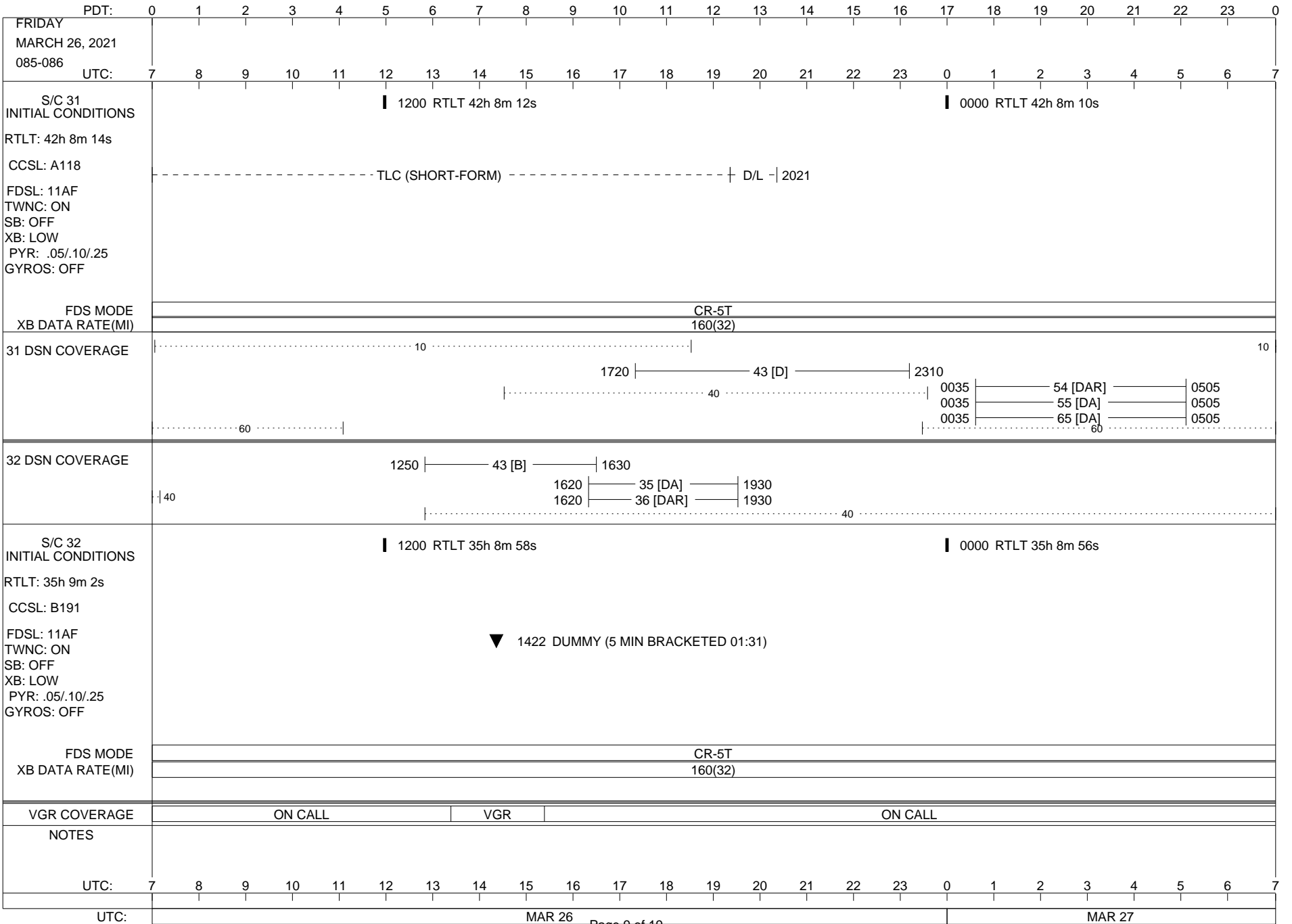
ISSUE DATE: 03/24/21 07:20

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 MARCH 24, 2021 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: 42h 8m 20s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 42h 8m 18s												█ 0000 RTLT 42h 8m 18s										
FDS MODE												CR-5T																
XB DATA RATE(MI)												160(32)																
31 DSN COVERAGE	|.....| 10 .....											|.....| 40													
	.....| 60											2335 |-----| 63 [T] -----| 0335 |.....| 60															
32 DSN COVERAGE	|40											1300 |-----| 43 [D] -----| 1700 |.....| 40																
S/C 32 INITIAL CONDITIONS RTLT: 35h 9m 10s CCSL: B191 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 35h 9m 8s												█ 0000 RTLT 35h 9m 6s										
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:	MAR 24														MAR 25													

ISSUE DATE: 03/24/21 07:20

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 25, 2021 084-085																																						
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: 42h 8m 18s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 8m 16s												0000 RTLT 42h 8m 14s																									
----- TLC (SHORT-FORM) -----																																						
2057 | TAPPOS | 2219														2359 | 0000 PWS/RH 0011 | ---- | 0118 TAPPOS																								
																	↓ 2359 GS-4B 0000																					
FDS MODE	CR-5T													CR-5T																								
XB DATA RATE(MI)	160(32)													160(32)																								
31 DSN COVERAGE 10 40										2330 |-----| 63 [D] -----| 0225																	
																	|.....| 60																				
32 DSN COVERAGE	| 40																	1255 |-----| 43 [D] -----| 1655										 40									
S/C 32 INITIAL CONDITIONS RTLTL: 35h 9m 6s CCSL: B191 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 9m 4s												0000 RTLT 35h 9m 2s																									
														↓ 1435 PSU INST ON																								
														↓ 1507 PSU INST OFF																								
														1527 | | 1543 SHUNT POWER TEST																								
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:	MAR 25																	MAR 26																				

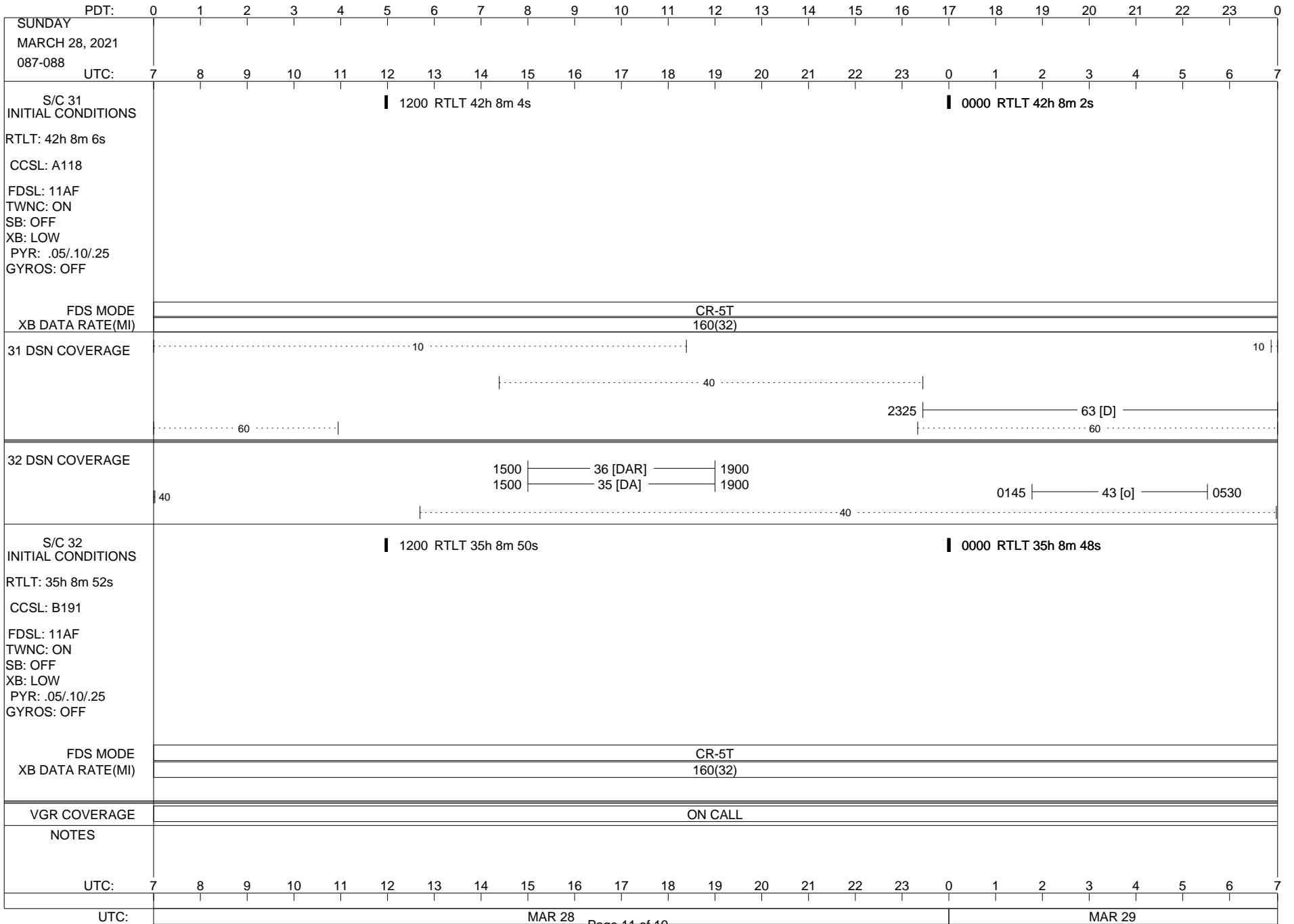
ISSUE DATE: 03/24/21 07:20



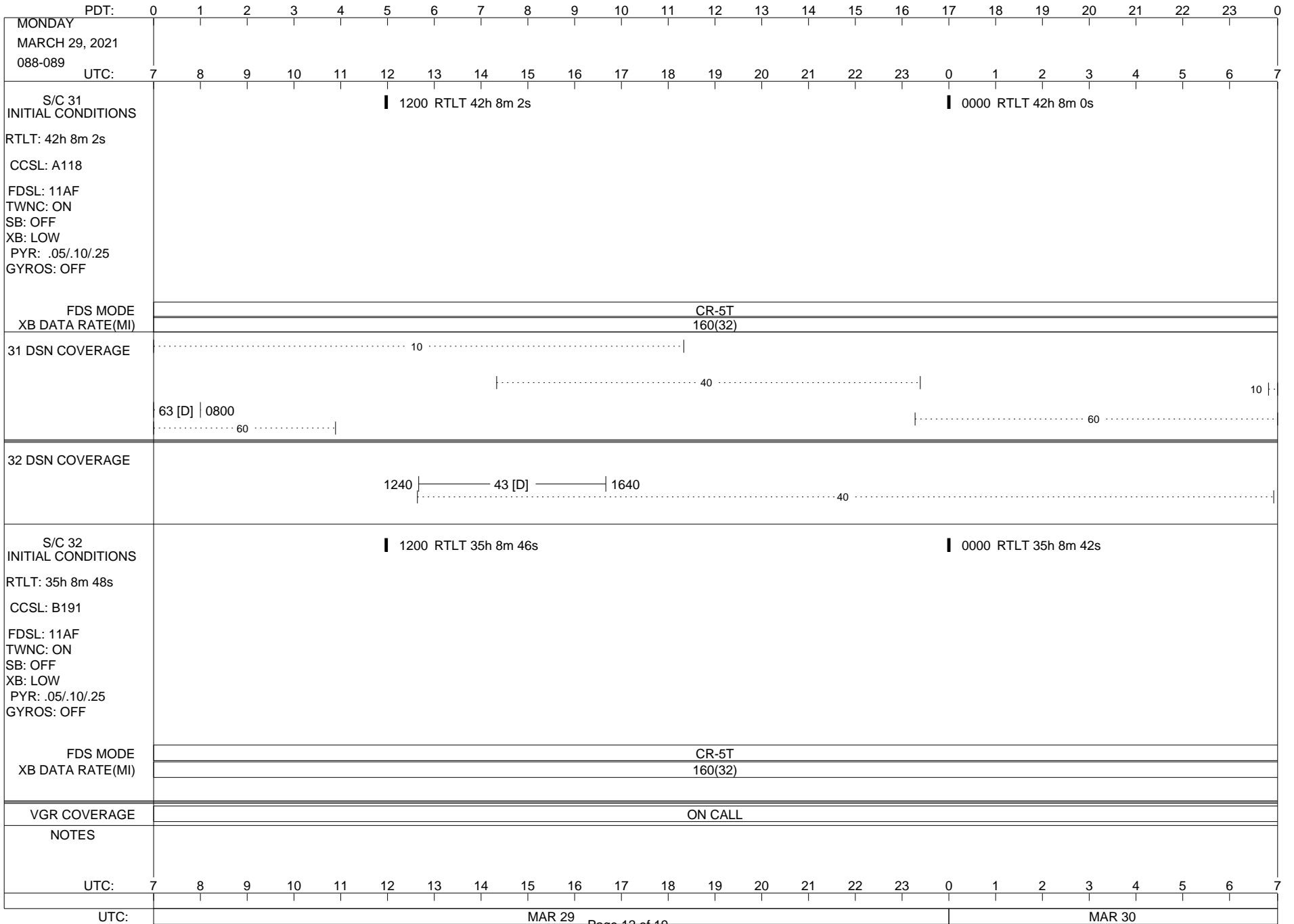
ISSUE DATE: 03/24/21 07:20

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 27, 2021 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: 42h 8m 10s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 8m 8s												0000 RTLT 42h 8m 6s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	.....10.....|												.....10|												
	|.....40.....|												|.....40.....|												
	.....60.....|												2325 |-----63 [D]-----|0605 |-----60.....|												
32 DSN COVERAGE	1245 |---43 [D]---|1515												0105 |---43 [D]---|0505												
	|40												.....40.....											
S/C 32 INITIAL CONDITIONS RTLTL: 35h 8m 56s CCSL: B191 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 8m 54s												0000 RTLT 35h 8m 52s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												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 27												MAR 28												

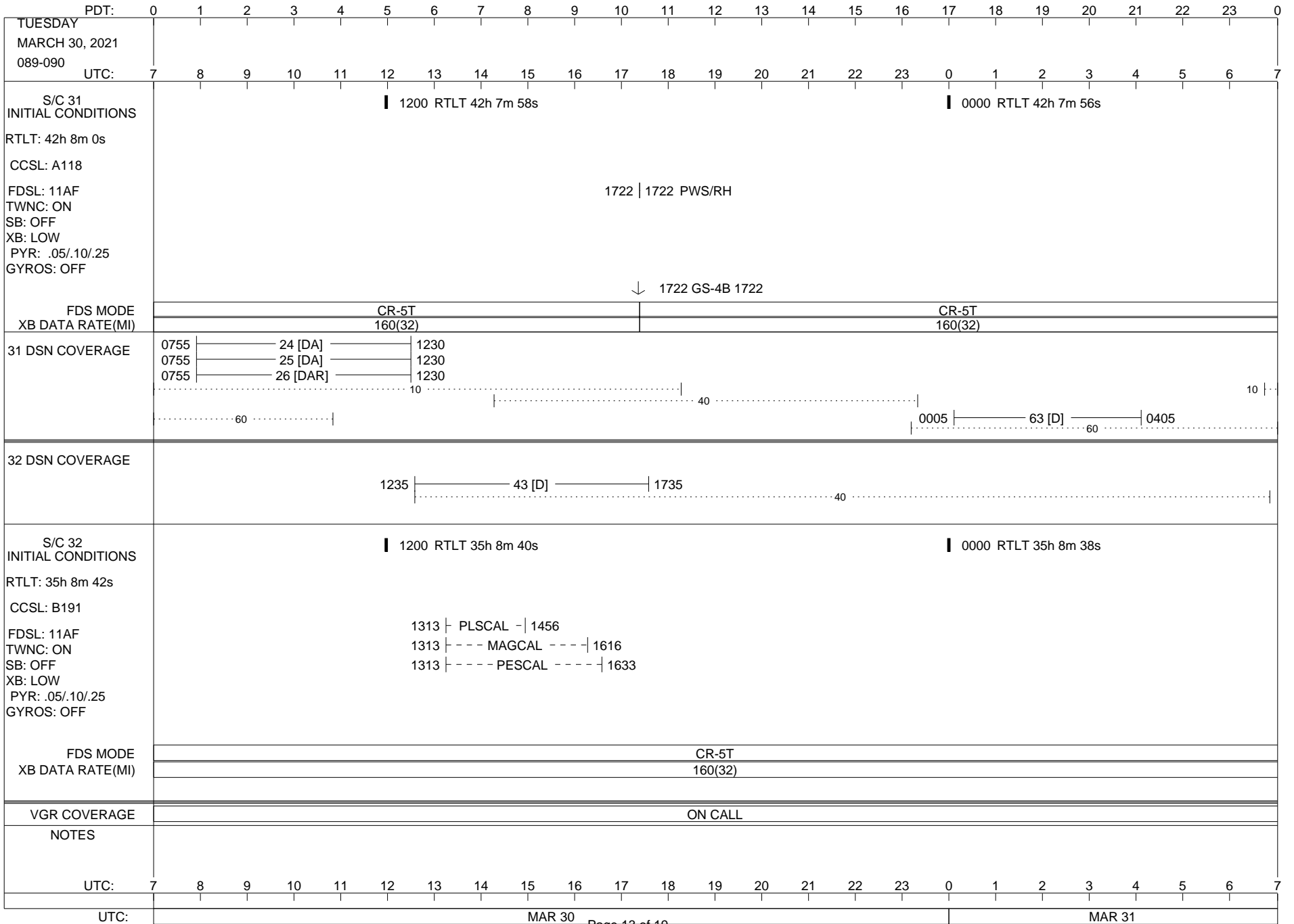
ISSUE DATE: 03/24/21 07:20



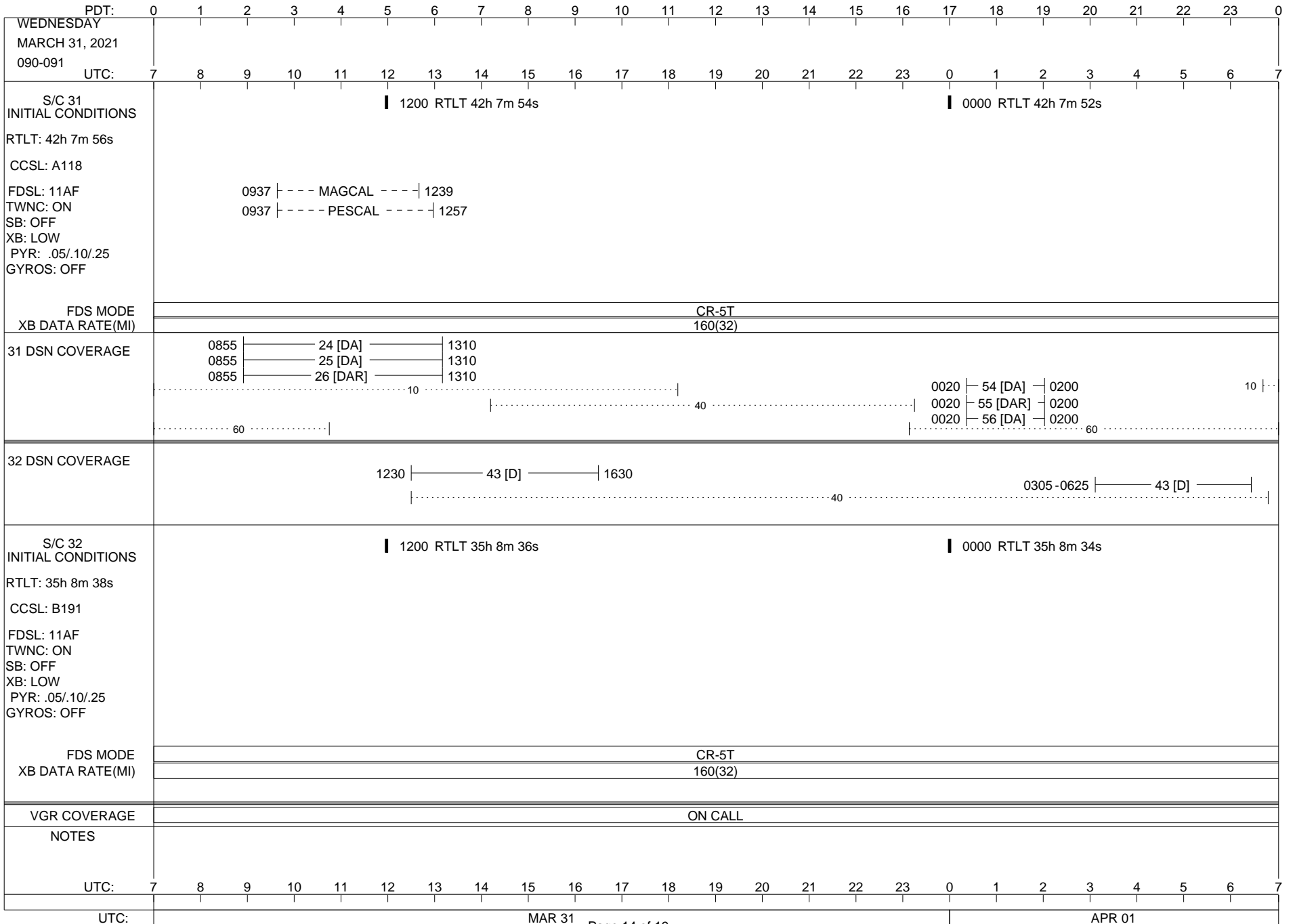
ISSUE DATE: 03/24/21 07:20



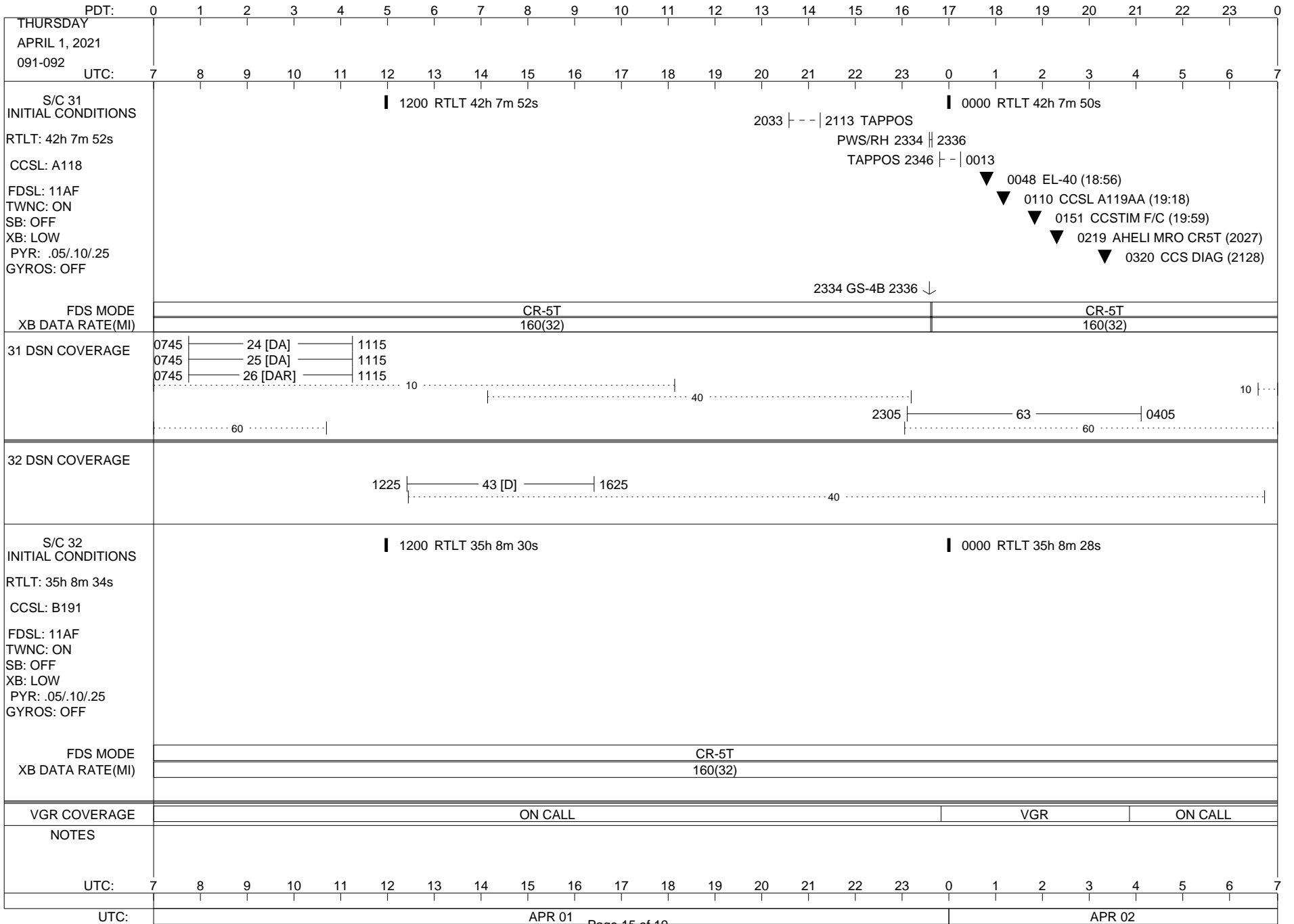
ISSUE DATE: 03/24/21 07:20



ISSUE DATE: 03/24/21 07:20



ISSUE DATE: 03/24/21 07:20



ISSUE DATE: 03/24/21 07:20

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 2, 2021
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
RTLT: 42h 7m 50s
CCSL: A118
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 42h 7m 48s

0000 RTLT 42h 7m 46s

FDS MODE
XB DATA RATE(MI) CR-5T
160(32)

31 DSN COVERAGE
24 [DA] 0740-1130
25 [DA] 0740-1130
26 [DAR] 0740-1130
10
0010 54 [DA] 0335
0010 55 [DAR] 0335
0010 65 [DA] 0335
60 40 60

32 DSN COVERAGE
1225 43 [B] 1725
40

S/C 32
INITIAL CONDITIONS
RTLT: 35h 8m 28s
CCSL: B191
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 8m 26s

0000 RTLT 35h 8m 24s

▼ 1322 DUMMY (5 MIN BRACKETED 00:31)

FDS MODE
XB DATA RATE(MI) CR-5T
160(32)

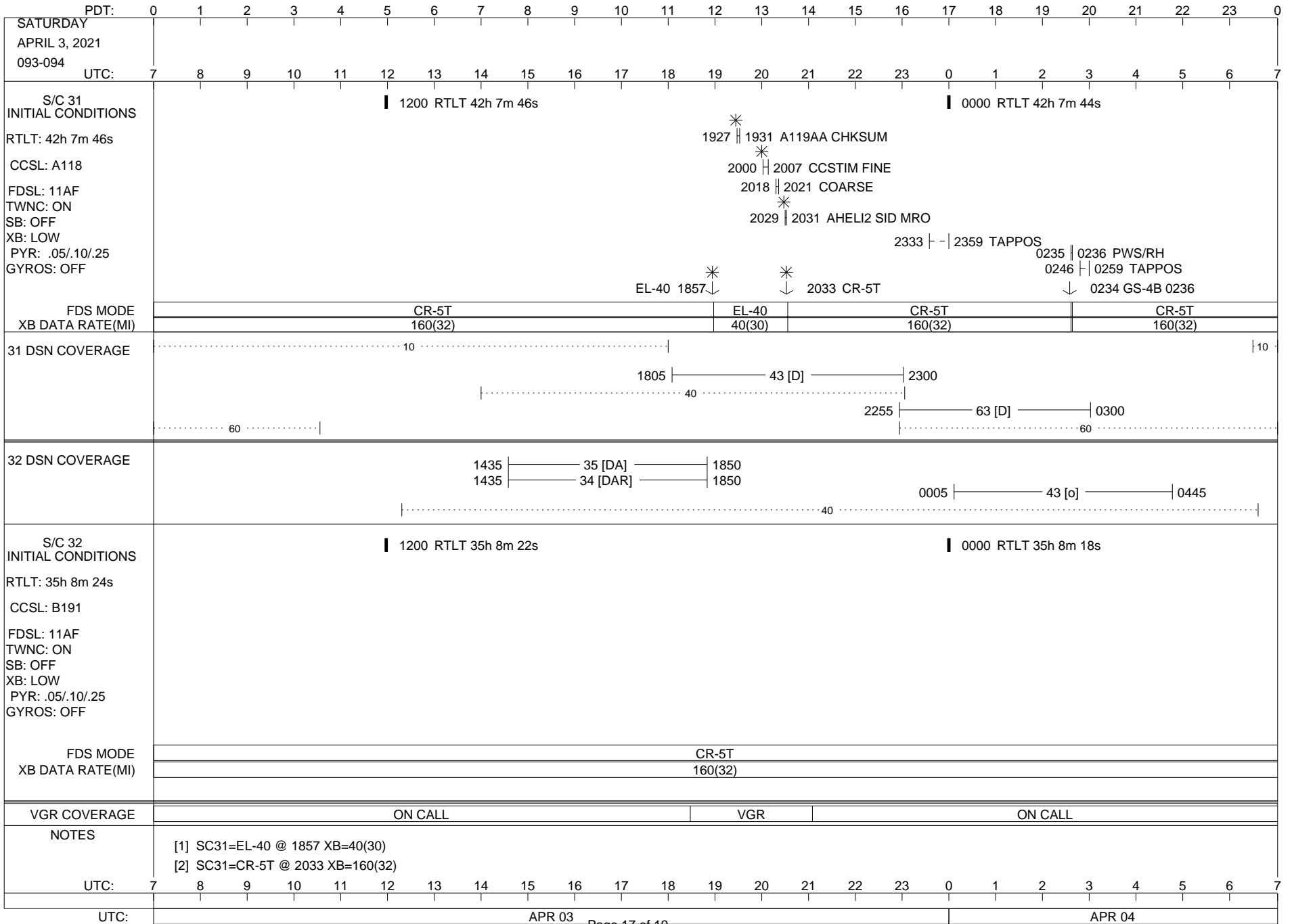
VGR COVERAGE ON CALL VGR ON CALL

NOTES

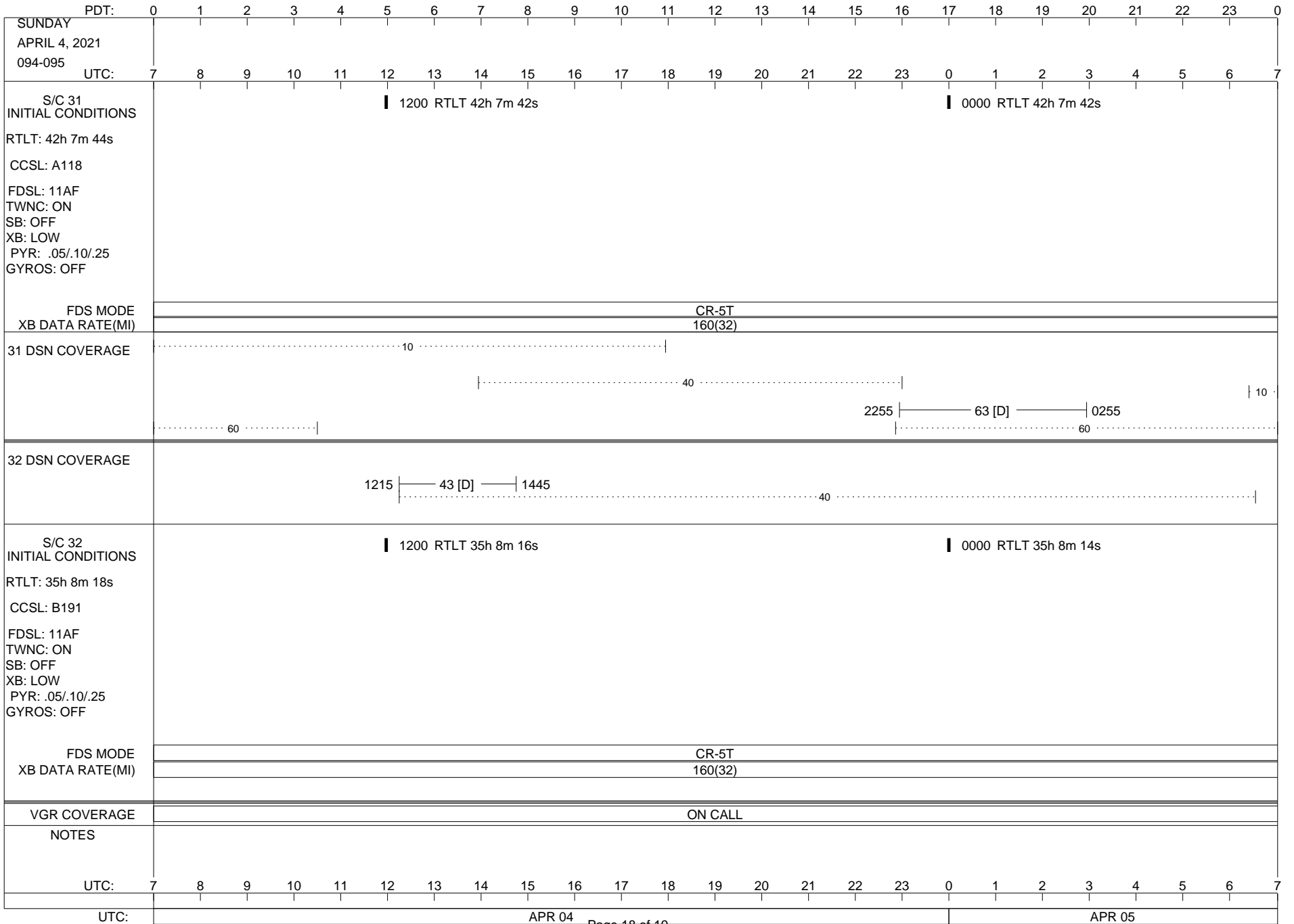
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

UTC: APR 02 Page 16 of 19 APR 03

ISSUE DATE: 03/24/21 07:20



ISSUE DATE: 03/24/21 07:20



ISSUE DATE: 03/24/21 07:20

