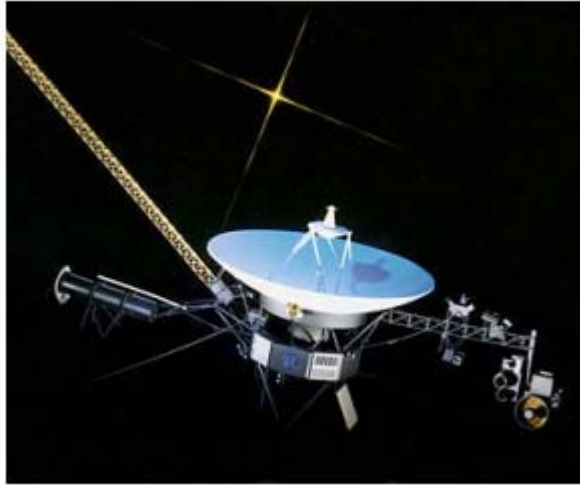


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: March 3, 2021

For the Period: 03/04/21 to 03/22/21 (21/063 – 21/081)



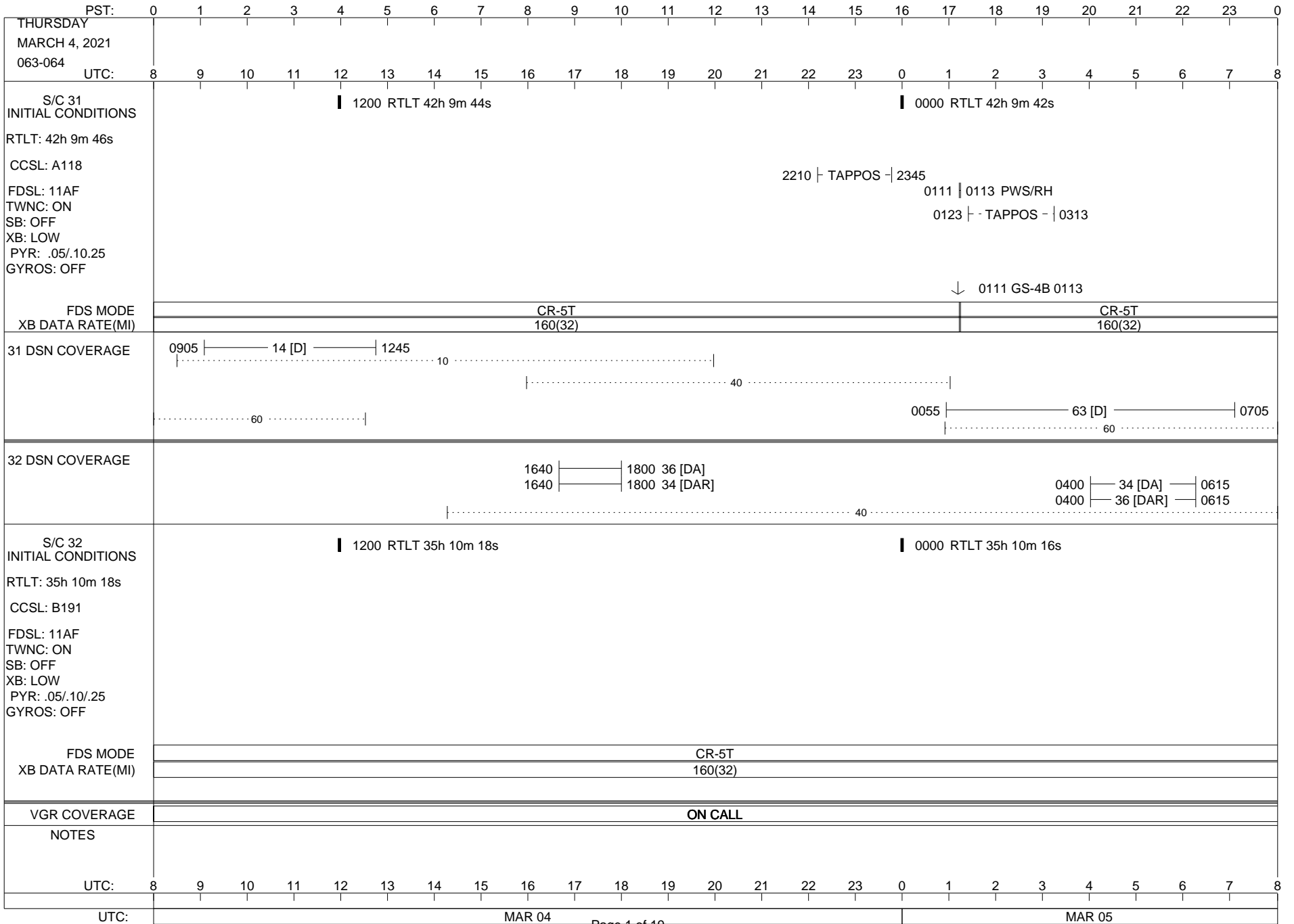
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

LEGEND:

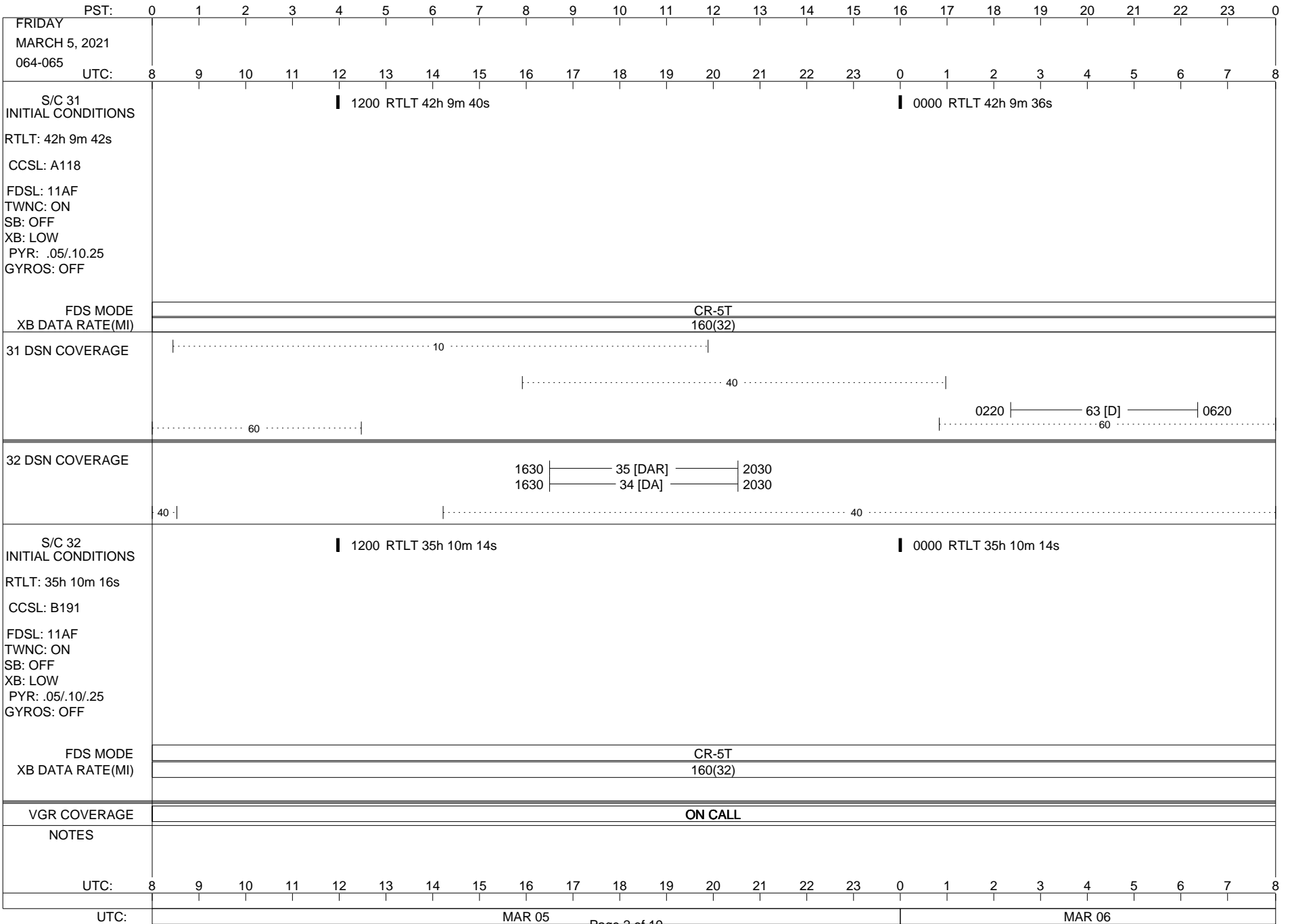
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

02/27/19

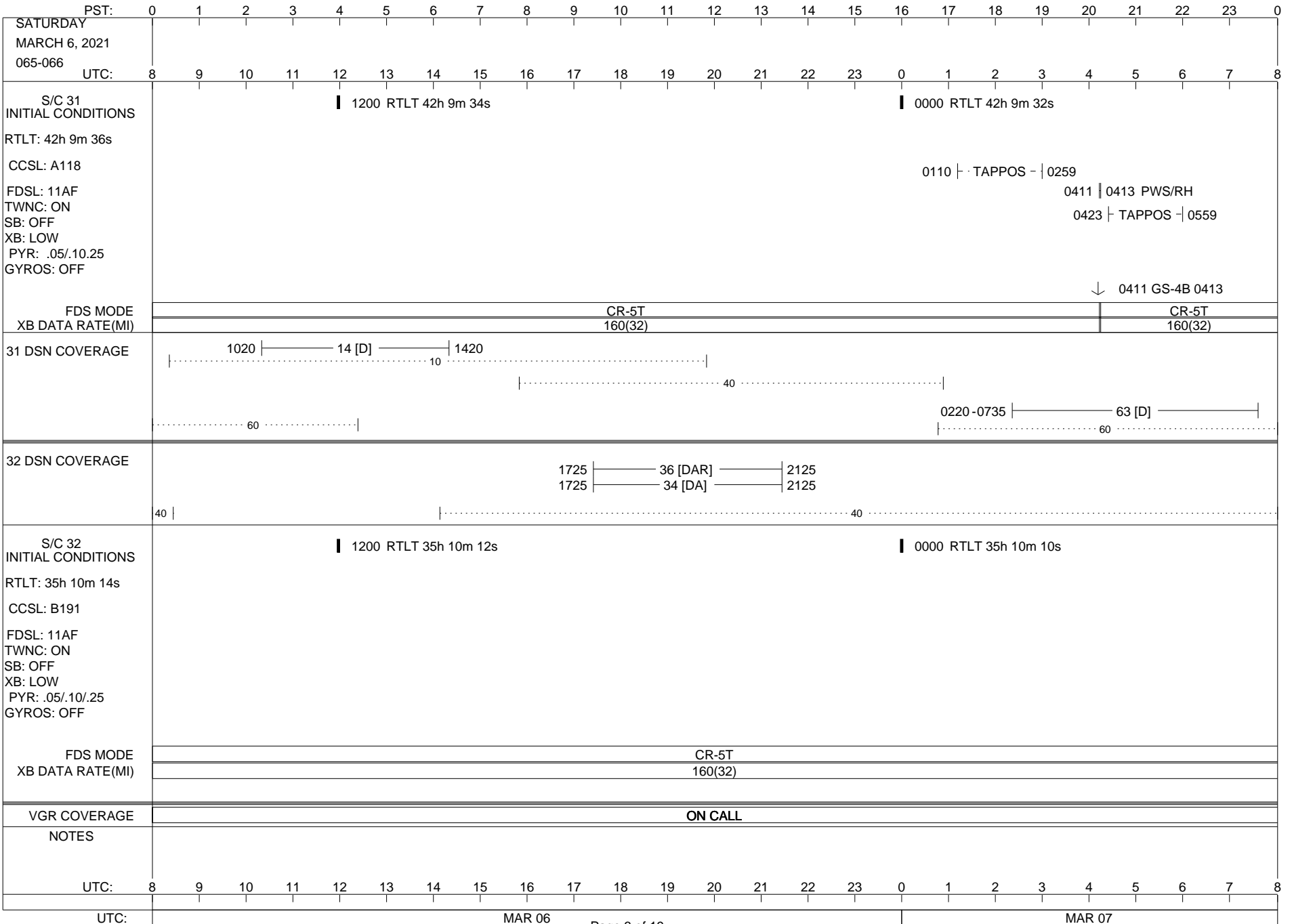
ISSUE DATE: 03/08/21 12:50



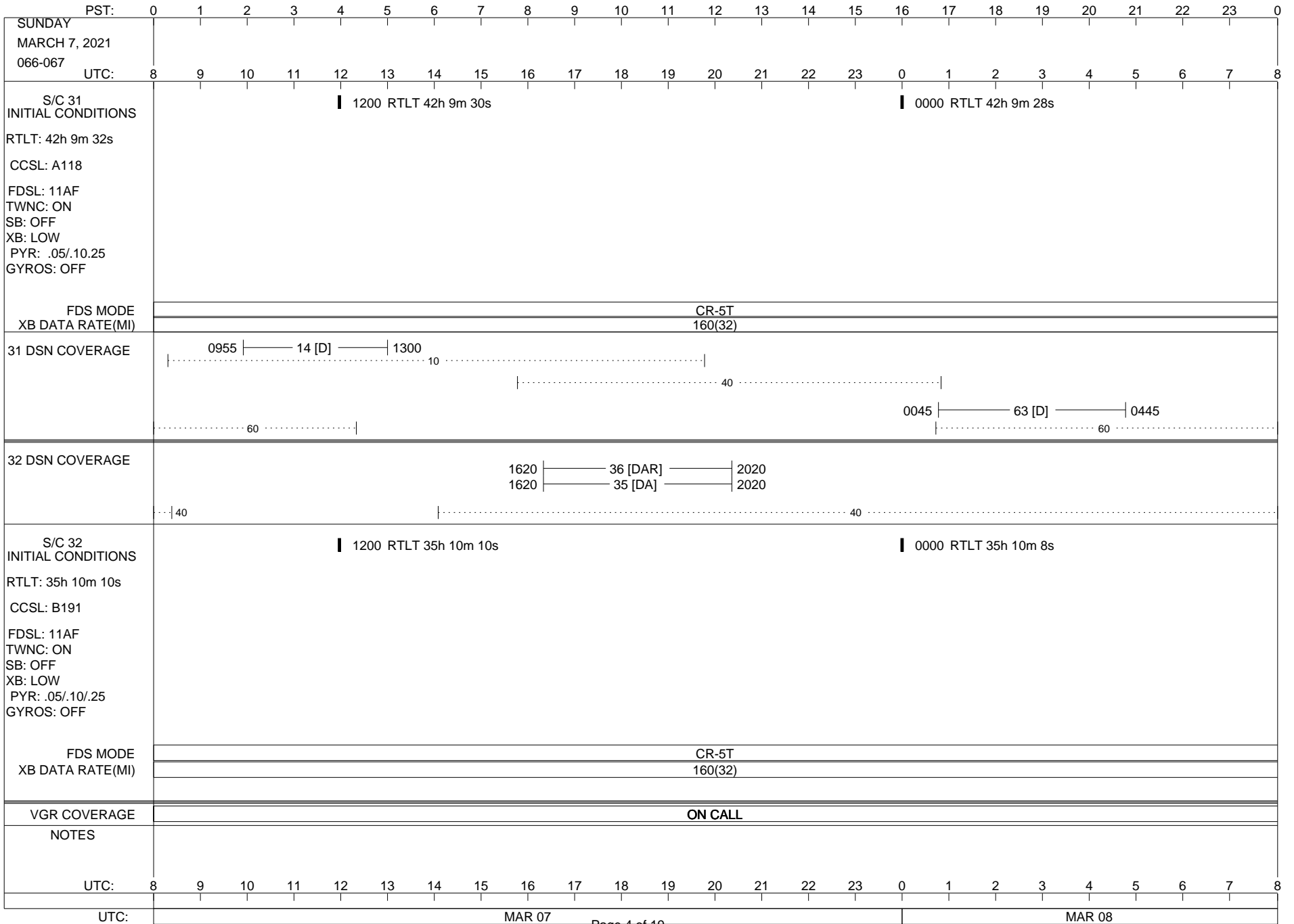
ISSUE DATE: 03/08/21 12:50



ISSUE DATE: 03/08/21 12:50



ISSUE DATE: 03/08/21 12:50

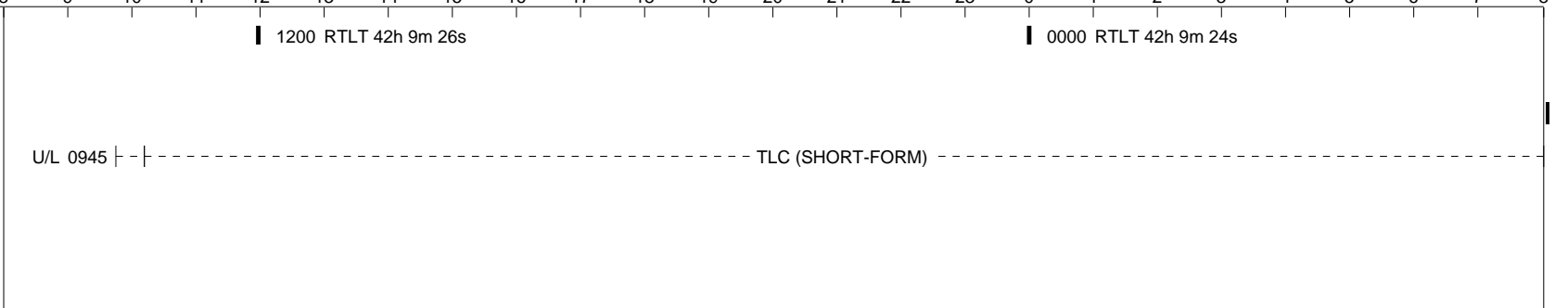


ISSUE DATE: 03/08/21 12:50

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MONDAY
MARCH 8, 2021
067-068
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

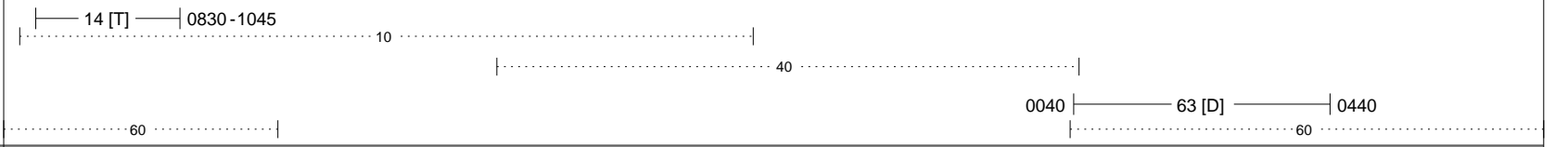
S/C 31
INITIAL CONDITIONS
RTLTL: 42h 9m 28s
CCSL: A118
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10.25
GYROS: OFF



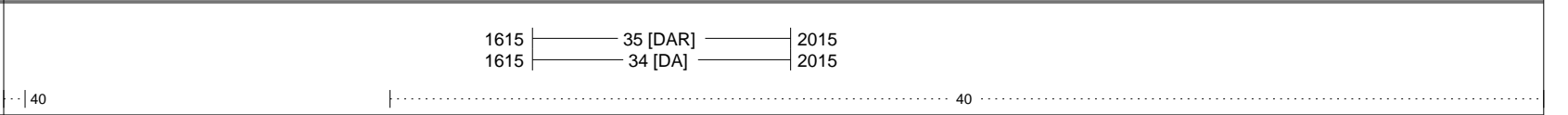
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 35h 10m 8s
CCSL: B191
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

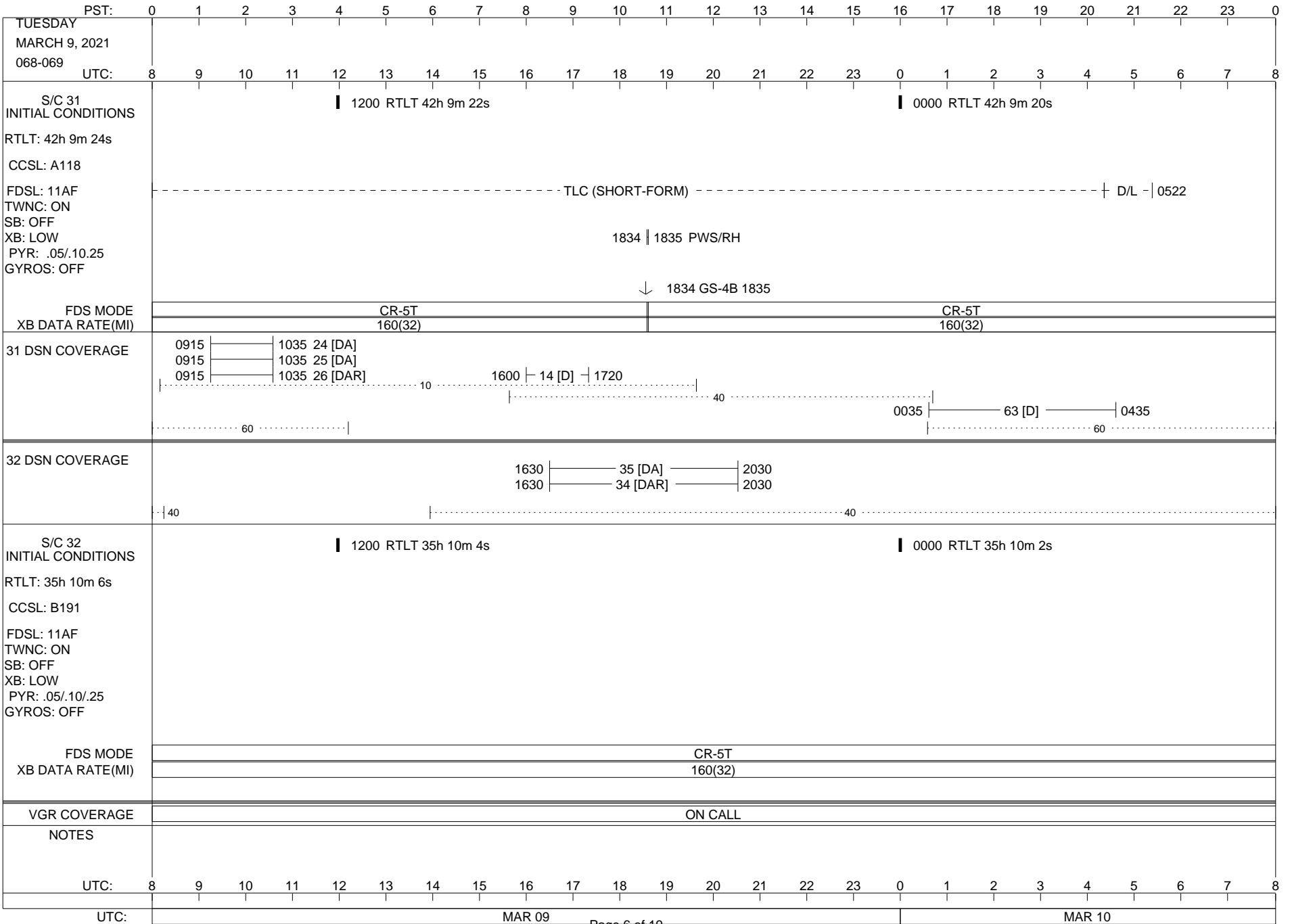
VGR ON CALL

NOTES

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

UTC: MAR 08 MAR 09

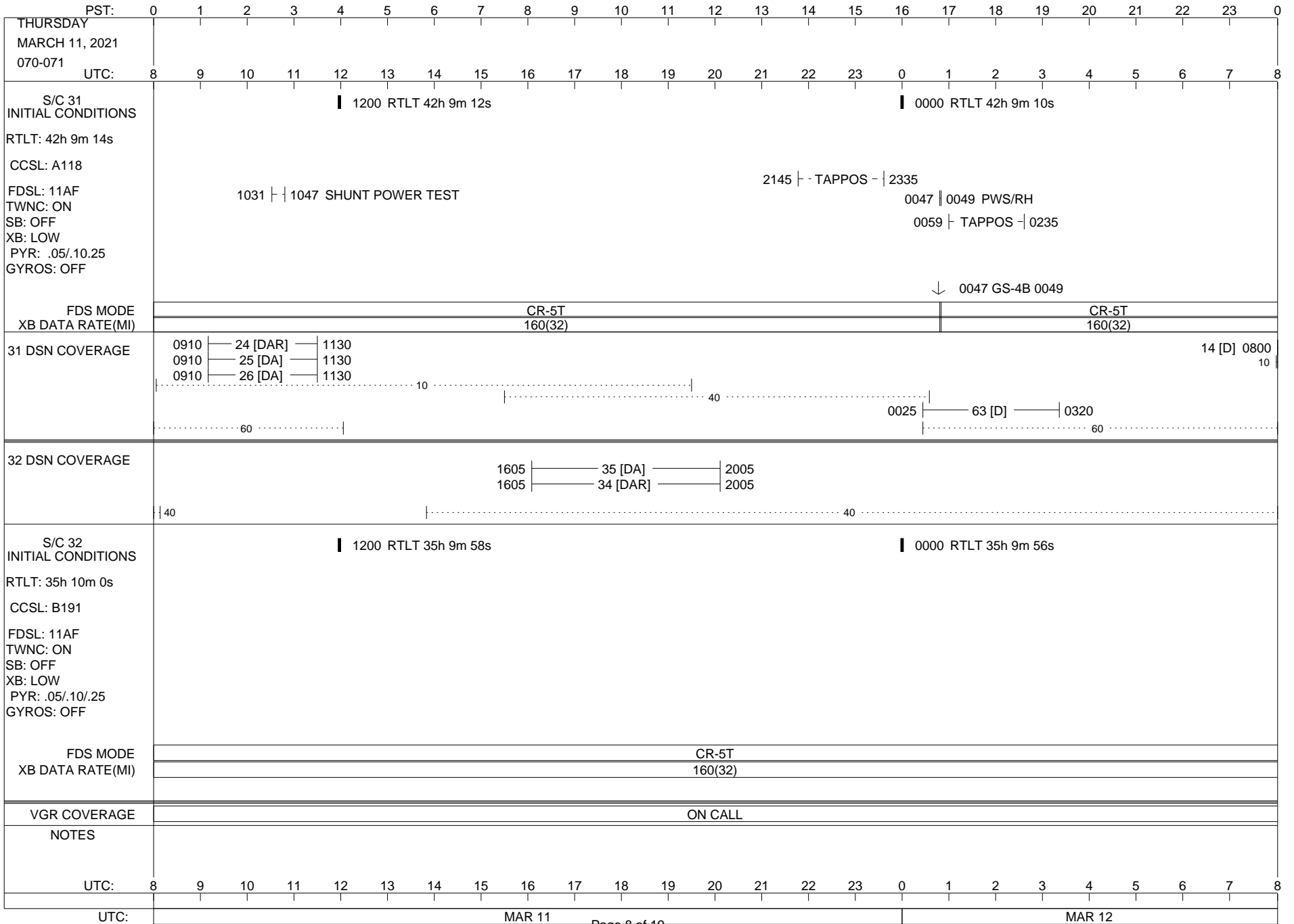
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ISSUE DATE: 03/08/21 12:50

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WEDNESDAY MARCH 10, 2021 069-070																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 42h 9m 20s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	█ 1200 RTLT 42h 9m 18s												█ 0000 RTLT 42h 9m 14s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	0920 | 14 [D] | 1050												0030-0715 | 63 [D]												
												
												
												
32 DSN COVERAGE	1610 | 36 [DAR] | 2010												1610 | 34 [DA] | 2010												
	|40												.....|40											
S/C 32 INITIAL CONDITIONS RTLT: 35h 10m 2s CCSL: B191 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	█ 1200 RTLT 35h 10m 0s												█ 0000 RTLT 35h 10m 0s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE													ON CALL												
NOTES																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
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ISSUE DATE: 03/08/21 12:50



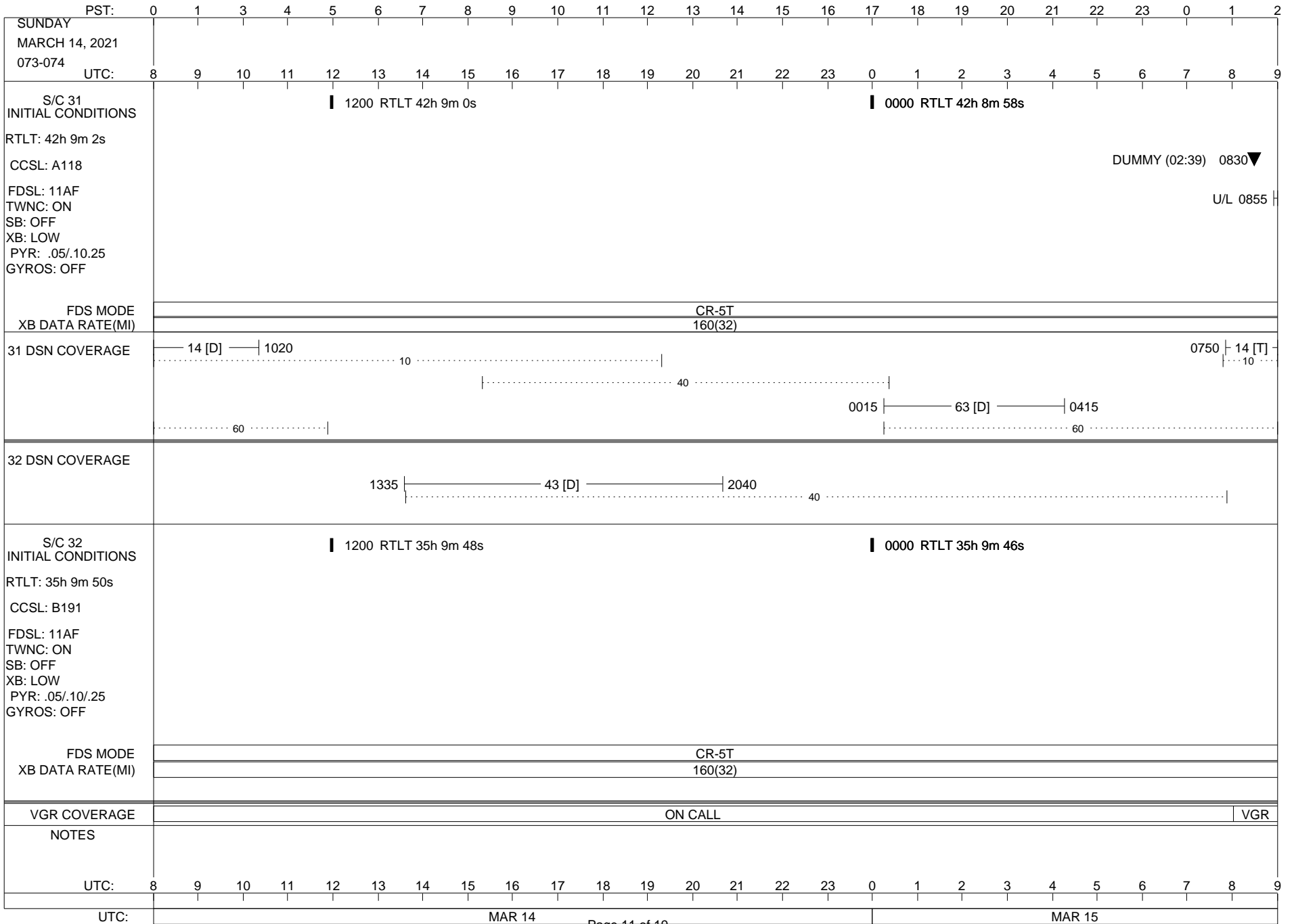
ISSUE DATE: 03/08/21 12:50

PST:	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 12, 2021 071-072	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 42h 9m 10s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 9m 8s												0000 RTLT 42h 9m 6s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	14 [D] 0800-1200												14 [D] 0755-10												
	60												0255 63 [D] 0500 0450-0735 54 [DA] 0450-0735 55 [DAR] 0450-0735 65 [DA]												
32 DSN COVERAGE	1350 43 [B] 1850												40												
S/C 32 INITIAL CONDITIONS RTLTL: 35h 9m 56s CCSL: B191 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 9m 54s												0000 RTLT 35h 9m 52s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	MAR 12												MAR 13												

ISSUE DATE: 03/08/21 12:50

PST:	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 13, 2021 072-073	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 42h 9m 6s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	1200 RTLTL 42h 9m 4s												0000 RTLTL 42h 9m 2s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 1055												14 [D] 0750												
	60												60												
32 DSN COVERAGE	2110												43 [D] 0605												
S/C 32 INITIAL CONDITIONS RTLTL: 35h 9m 52s CCSL: B191 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	1200 RTLTL 35h 9m 52s												0000 RTLTL 35h 9m 50s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL																								
NOTES																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	MAR 13												MAR 14												

ISSUE DATE: 03/08/21 12:50



ISSUE DATE: 03/08/21 12:50

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

MONDAY
MARCH 15, 2021
074-075
UTC: 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31
INITIAL CONDITIONS
RTLT: 42h 8m 58s
CCSL: A118
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10.25
GYROS: OFF
U/L |-----| TLC (SHORT-FORM) |-----|

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

31 DSN COVERAGE
14 [T] | 1020
..... 10
..... 40
0010 | 63 [D] | 0305
..... 60
..... 60

32 DSN COVERAGE
1600 | 35 [DAR] | 2355
1600 | 43 [o] | 2355
..... 40

S/C 32
INITIAL CONDITIONS
RTLT: 35h 9m 46s
CCSL: B191
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10.25
GYROS: OFF
1200 RTLT 35h 9m 44s
0000 RTLT 35h 9m 42s
↓ 2220 PYR=.05/.05/.05
2225 |---| 2257 ASCAL
↓ 2257 PYR=.05/.10/.25
↓ 2258 AAC SIN FCP SWAP TABLE NOP
↓ 2259 1 SID MRO
EL-40 2159 ↓ ↓ 2302 CR-5T

FDS MODE CR-5T EL-40 CR-5T
XB DATA RATE(MI) 160(32) 40(30) 160(32)

VGR COVERAGE VGR VGR ON CALL

NOTES

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

UTC: MAR 15 MAR 16

ISSUE DATE: 03/08/21 12:50

PDT: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1																						
TUESDAY MARCH 16, 2021 075-076																						
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8																						
S/C 31 INITIAL CONDITIONS RTLTL: 42h 8m 54s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1200 RTLTL 42h 8m 52s</p> </div> <div style="width: 45%;"> <p>0000 RTLTL 42h 8m 50s</p> </div> </div> <p style="text-align: center;">----- TLC (SHORT-FORM) ----- † D/L - 0432</p> <p style="text-align: center;">1810 1811 PWS/RH</p> <p style="text-align: center;">↓ 1810 GS-4B 1811</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">FDS MODE XB DATA RATE(MI)</td> <td style="width: 50%; text-align: center;">CR-5T 160(32)</td> </tr> <tr> <td style="width: 50%; text-align: center;">CR-5T 160(32)</td> <td style="width: 50%; text-align: center;">CR-5T 160(32)</td> </tr> </table>	FDS MODE XB DATA RATE(MI)	CR-5T 160(32)	CR-5T 160(32)	CR-5T 160(32)																	
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																					
CR-5T 160(32)	CR-5T 160(32)																					
31 DSN COVERAGE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">0850 ----- 24 [DAR] ----- 1250</td> <td style="width: 30%;"></td> <td style="width: 30%;"></td> </tr> <tr> <td>0850 ----- 25 [DA] ----- 1250</td> <td></td> <td></td> </tr> <tr> <td>0850 ----- 26 [DA] ----- 1250</td> <td></td> <td></td> </tr> <tr> <td colspan="2">..... ----- 10 ----- ----- 40 ----- ----- 10 -----</td> <td style="text-align: right;">0115 54 [DA] 0250</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">0115 55 [DA] 0250</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">0115 65 [DAR] 0250</td> </tr> <tr> <td colspan="2">..... ----- 60 ----- </td> <td style="text-align: right;">..... ----- 60 ----- </td> </tr> </table>	0850 ----- 24 [DAR] ----- 1250			0850 ----- 25 [DA] ----- 1250			0850 ----- 26 [DA] ----- 1250		 ----- 10 ----- ----- 40 ----- ----- 10 -----		0115 54 [DA] 0250			0115 55 [DA] 0250			0115 65 [DAR] 0250 ----- 60 -----	 ----- 60 -----
0850 ----- 24 [DAR] ----- 1250																						
0850 ----- 25 [DA] ----- 1250																						
0850 ----- 26 [DA] ----- 1250																						
..... ----- 10 ----- ----- 40 ----- ----- 10 -----		0115 54 [DA] 0250																				
		0115 55 [DA] 0250																				
		0115 65 [DAR] 0250																				
..... ----- 60 -----	 ----- 60 -----																				
32 DSN COVERAGE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">1330 ----- 43 [D] ----- 1730</td> <td style="width: 30%;"></td> <td style="width: 30%;"></td> </tr> <tr> <td colspan="2">..... ----- 40 ----- ----- 40 ----- ----- 43 [D] ----- </td> <td style="text-align: right;">0345-0745 ----- 43 [D] ----- </td> </tr> </table>	1330 ----- 43 [D] ----- 1730		 ----- 40 ----- ----- 40 ----- ----- 43 [D] -----		0345-0745 ----- 43 [D] -----															
1330 ----- 43 [D] ----- 1730																						
..... ----- 40 ----- ----- 40 ----- ----- 43 [D] -----		0345-0745 ----- 43 [D] -----																				
S/C 32 INITIAL CONDITIONS RTLTL: 35h 9m 42s CCSL: B191 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1200 RTLTL 35h 9m 40s</p> </div> <div style="width: 45%;"> <p>0000 RTLTL 35h 9m 38s</p> </div> </div>																					
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																					
VGR COVERAGE	ON CALL																					
NOTES																						
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8																						
UTC: MAR 16 MAR 17																						

ISSUE DATE: 03/08/21 12:50

PDT:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	
WEDNESDAY MARCH 17, 2021 076-077																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS RTLT: 42h 8m 50s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	█ 1200 RTLT 42h 8m 46s												█ 0000 RTLT 42h 8m 44s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	0845 | 24 [DAR] | 1110 0845 | 25 [DA] | 1110 0845 | 26 [DA] | 1110 10 ..... | ..... 40 ..... | ..... 60 60 ..... |												..... 10 | ..... ..... 40 ..... | ..... 60 60 ..... |													
32 DSN COVERAGE	| ..... 40 ..... |												0445-0740 | 43 [D] |													
S/C 32 INITIAL CONDITIONS RTLT: 35h 9m 38s CCSL: B191 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	█ 1200 RTLT 35h 9m 36s												█ 0000 RTLT 35h 9m 34s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												ON CALL													
NOTES	1149 ----- COMMAND MORATORIUM -----																									
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UTC:	MAR 17												MAR 18													

PDT:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1			
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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 RTLTL 42h 8m 42s														0000 RTLTL 42h 8m 40s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE																												
32 DSN COVERAGE																												
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 RTLTL 35h 9m 32s														0000 RTLTL 35h 9m 30s													
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:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
UTC:	MAR 18														MAR 19													

PDT:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1		
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
FRIDAY MARCH 19, 2021 078-079																											
S/C 31 INITIAL CONDITIONS RTLT: 42h 8m 40s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	█ 1200 RTLT 42h 8m 38s												█ 0000 RTLT 42h 8m 36s														
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
31 DSN COVERAGE	.....| 10 .....												.....| 10														
	.....| 60 .....												.....| 40														
													2355 |----- 63 [D] -----| 0640 .....| 60														
32 DSN COVERAGE	.....| 1315 |----- 43 [o] -----| 1715 .....												.....| 40														
S/C 32 INITIAL CONDITIONS RTLT: 35h 9m 30s CCSL: B191 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	█ 1200 RTLT 35h 9m 28s												█ 0000 RTLT 35h 9m 26s														
	-----| 1119 COMMAND MORATORIUM												0355 | COMMAND MORATORIUM -----														
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
VGR COVERAGE													ON CALL														
NOTES																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
UTC:	MAR 19													MAR 20													

ISSUE DATE: 03/08/21 12:50

PDT:	1	2	3	4	5	6	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	8
SATURDAY MARCH 20, 2021 079-080																																
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8							
S/C 31 INITIAL CONDITIONS	█ 1200 RTLT 42h 8m 34s														█ 0000 RTLT 42h 8m 32s																	
RTLTL: 42h 8m 36s																																
CCSL: A118																																
FDSL: 11AF																																
TWNC: ON																																
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	<p>.....| 10 .....| 10</p> <p>.....| 40 .....|</p> <p>.....| 2355 |----- 63 [D] -----| 0435</p> <p>.....| 60 .....| .....| 60</p>																															
32 DSN COVERAGE	<p>1325 |----- 43 [D] -----| 1635</p> <p>.....| 40 .....| 2345 |----- 43 [D] -----| 0345</p>																															
S/C 32 INITIAL CONDITIONS	█ 1200 RTLT 35h 9m 24s														█ 0000 RTLT 35h 9m 22s																	
RTLTL: 35h 9m 26s																																
CCSL: B191																																
FDSL: 11AF																																
TWNC: ON																																
SB: OFF																																
XB: LOW																																
PYR: .05/.10.25																																
GYROS: OFF																																
FDS MODE	CR-5T														CR-5T																	
XB DATA RATE(MI)	160(32)														160(32)																	
VGR COVERAGE	ON CALL																															
NOTES																																
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8							
UTC:	MAR 20														MAR 21																	

ISSUE DATE: 03/08/21 12:50

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

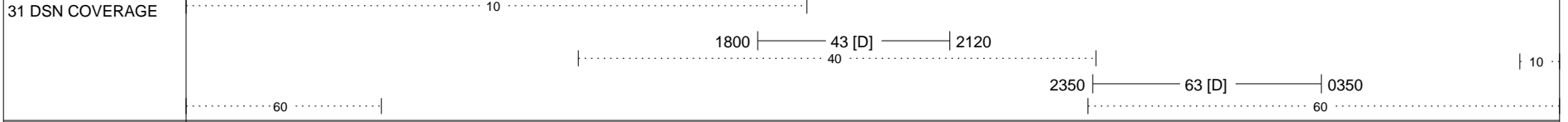
SUNDAY
MARCH 21, 2021
080-081

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

S/C 31
INITIAL CONDITIONS
RTLT: 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 CR-5T
XB DATA RATE(MI) 160(32)



S/C 32
INITIAL CONDITIONS
RTLT: 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
----- 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

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

VGR COVERAGE ON CALL VGR ON CALL

NOTES

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

UTC: MAR 21 Page 18 of 19 MAR 22

ISSUE DATE: 03/08/21 12:50

