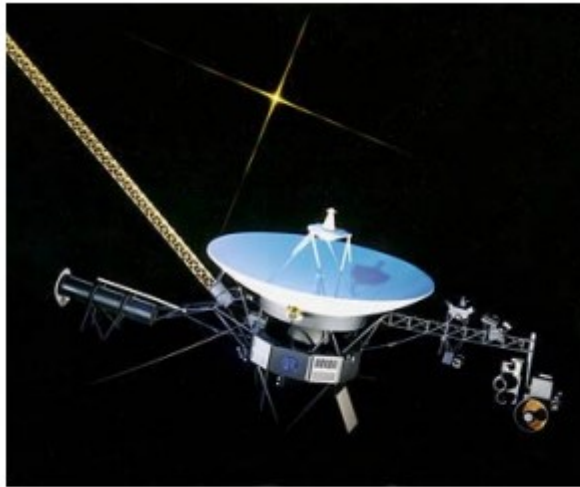


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: January 22, 2020

For the Period: 01/23/20 to 02/10/20 (20/016 – 20/041)



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

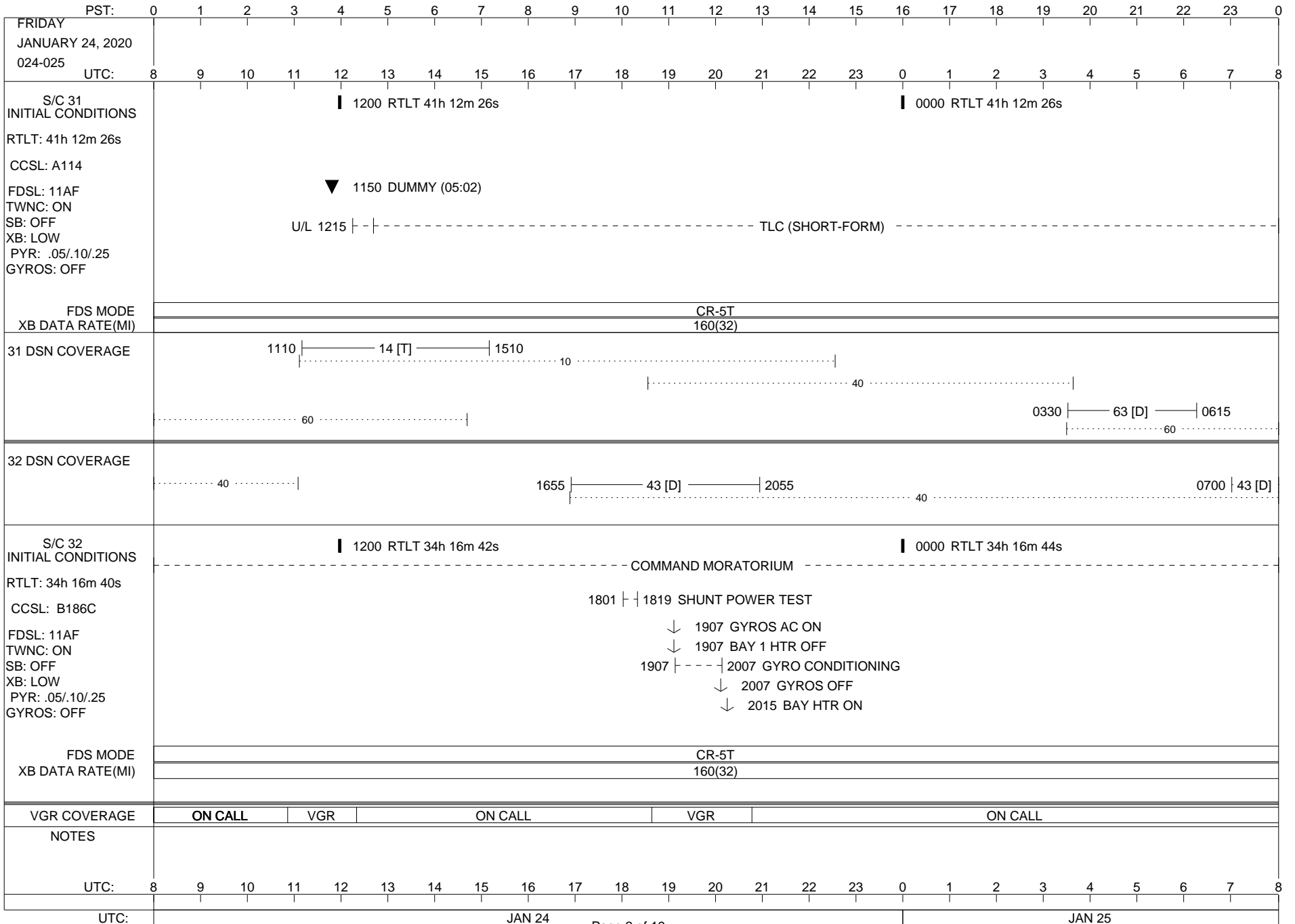
LEGEND:

- ▽ = 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: 01/29/20 10:45

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	
THURSDAY JANUARY 23, 2020 023-024																										
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: 41h 12m 28s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200												█ 0000									
																			0053	--		0133	TAPPOS			
																						0355		0356	PWS/RH	
																						0407	--		0433	TAPPOS
FDS MODE																										
XB DATA RATE(MI)																										
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLTL: 34h 16m 34s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200												█ 0000									
					1021																					
FDS MODE																										
XB DATA RATE(MI)																										
VGR COVERAGE																										
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:																										



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 JANUARY 25, 2020 025-026	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: 41h 12m 26s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 41h 12m 26s												0000 RTLTL 41h 12m 24s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1105 14 [D] 1345												0325 63 [D] 0615												
32 DSN COVERAGE	43 [D] 1100												2355 43 [A1oHB] 0400												
S/C 32 INITIAL CONDITIONS RTLTL: 34h 16m 44s CCSL: B186C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 34h 16m 48s												0000 RTLTL 34h 16m 50s												
FDS MODE	CR-5T												EL NONE SM-40												
XB DATA RATE(MI)	160(32)												40 NONE 40(30)												
VGR COVERAGE	ON CALL												VGR												
NOTES	[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0138-0212) [2] S/C 32=EL-40 @ 0207 XB=40(30) [3] S/C 32=SM-40 @ 0329 XB=160(32)																								
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:	JAN 25												JAN 26												

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
SUNDAY JANUARY 26, 2020 026-027	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: 41h 12m 24s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 41h 12m 24s												0000 RTLTL 41h 12m 24s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1100 ----- 14 [D] ----- 1500												10 ----- 40 -----												
	60 -----												0325 ----- 63 [D] ----- 0610												
	60 -----												60 -----												
32 DSN COVERAGE	0930 43 [A1oHB]												1540 ----- 43 [HB] -----												
	40 -----												40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 34h 16m 50s CCSL: B186C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 34h 16m 52s												0000 RTLTL 34h 16m 56s												
	----- COMMAND MORATORIUM ----- 0231																								
	▼ 0855 BAY 1 HTR OFF, GYROS OFF, BAY 1 HTR ON 19:12)																								
	▼ 0910 BAY 1 HTR OFF, GYROS OFF, BAY 1 HTR ON (19:27)																								
	BAY 1 HTR OFF, GYROS OFF, BAY 1 HTR ON (15 MIN BRACKETED 07:37) 2120▼																								
	END B186C MINI-SEQUENCE 0249 ↓																								
FDS MODE XB DATA RATE(MI)													SM-40 40(30)												
VGR COVERAGE	VGR	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:	JAN 26												JAN 27												

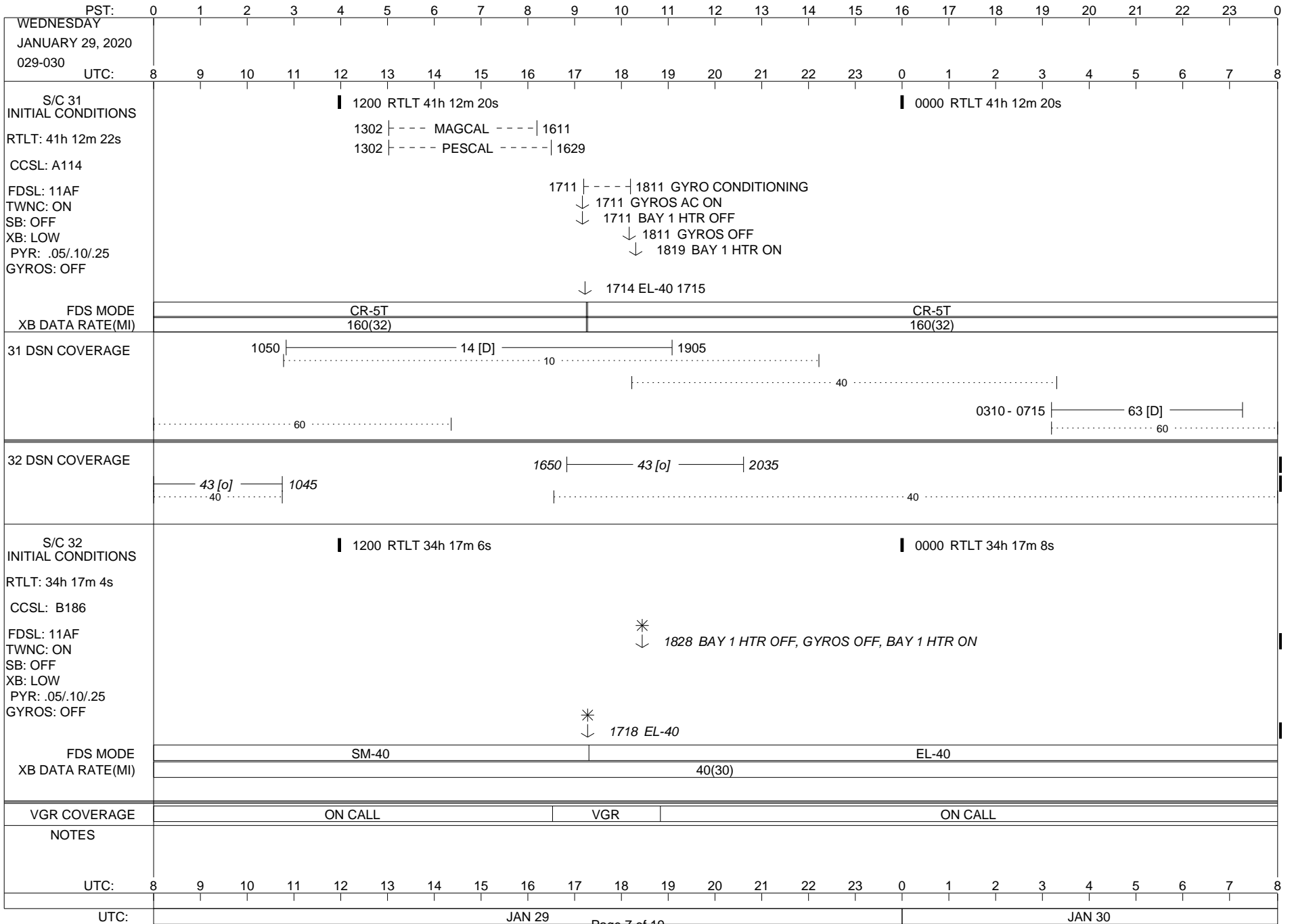
ISSUE DATE: 01/29/20 10:45

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	
MONDAY JANUARY 27, 2020 027-028																										
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: 41h 12m 24s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 41h 12m 24s												0000 RTLT 41h 12m 22s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	1055 ----- 14 [D] ----- 1500												0320 ----- 63 [D] ----- 0610													
32 DSN COVERAGE	1645 ----- 43 [D] ----- 2000												0200 ----- 43 [H1B] -----													
S/C 32 INITIAL CONDITIONS RTLT: 34h 16m 56s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 16m 58s												0000 RTLT 34h 17m 0s													
FDS MODE XB DATA RATE(MI)													SM-40 40(30)													
VGR COVERAGE	ON CALL																					VGR				
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:	JAN 27												JAN 28													

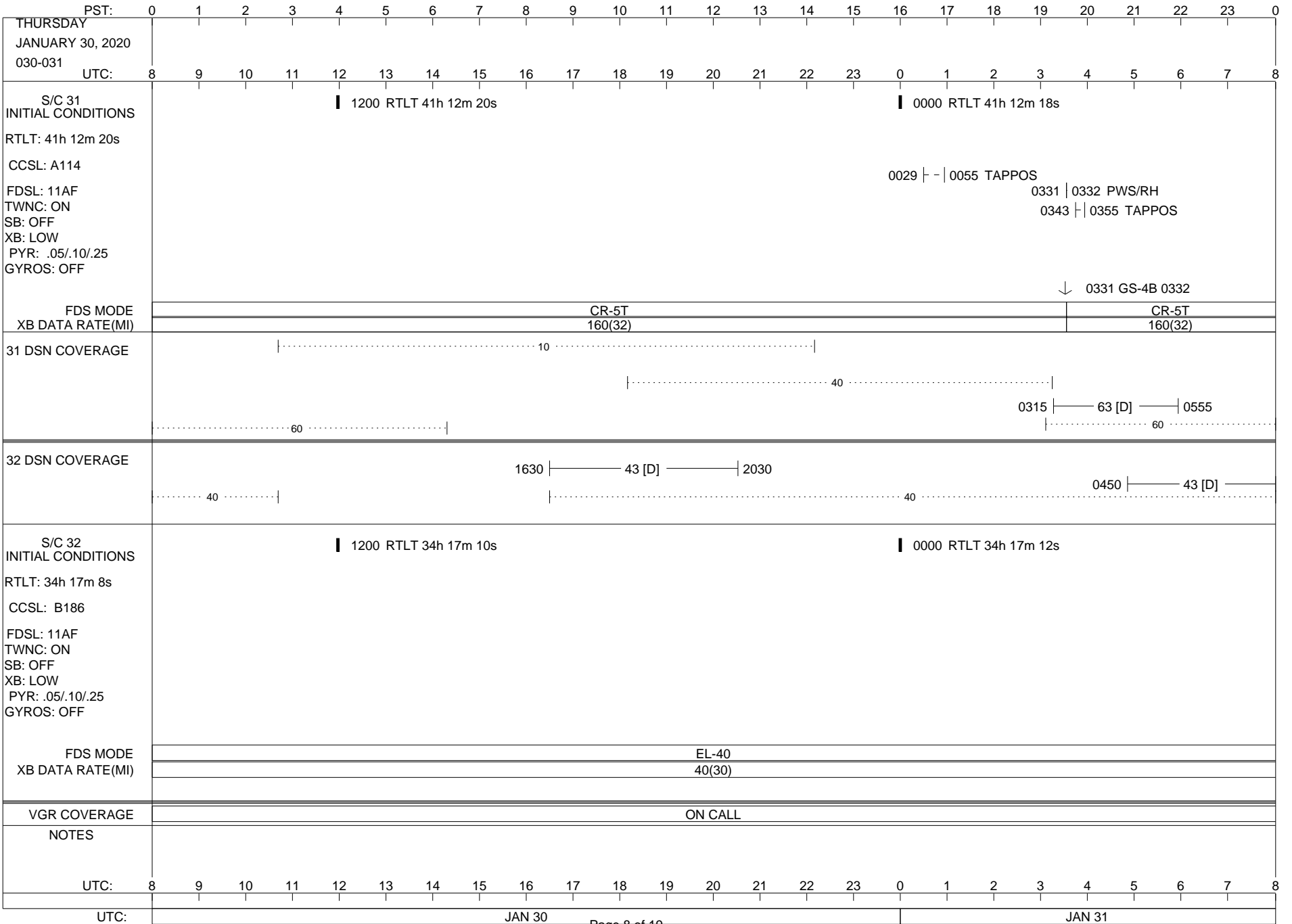
ISSUE DATE: 01/29/20 10:45

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TUESDAY																											
JANUARY 28, 2020																											
028-029		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: 41h 12m 22s																											
CCSL: A114																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/.10/.25																											
GYROS: OFF																											
FDS MODE																											
XB DATA RATE(MI)																											
31 DSN COVERAGE				1050			14 [D]			1505																	
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS																											
RTLT: 34h 17m 0s																											
CCSL: B186																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/.10/.25																											
GYROS: OFF																											
FDS MODE																											
XB DATA RATE(MI)																											
VGR COVERAGE			VGR																								
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:			JAN 28												JAN 29												

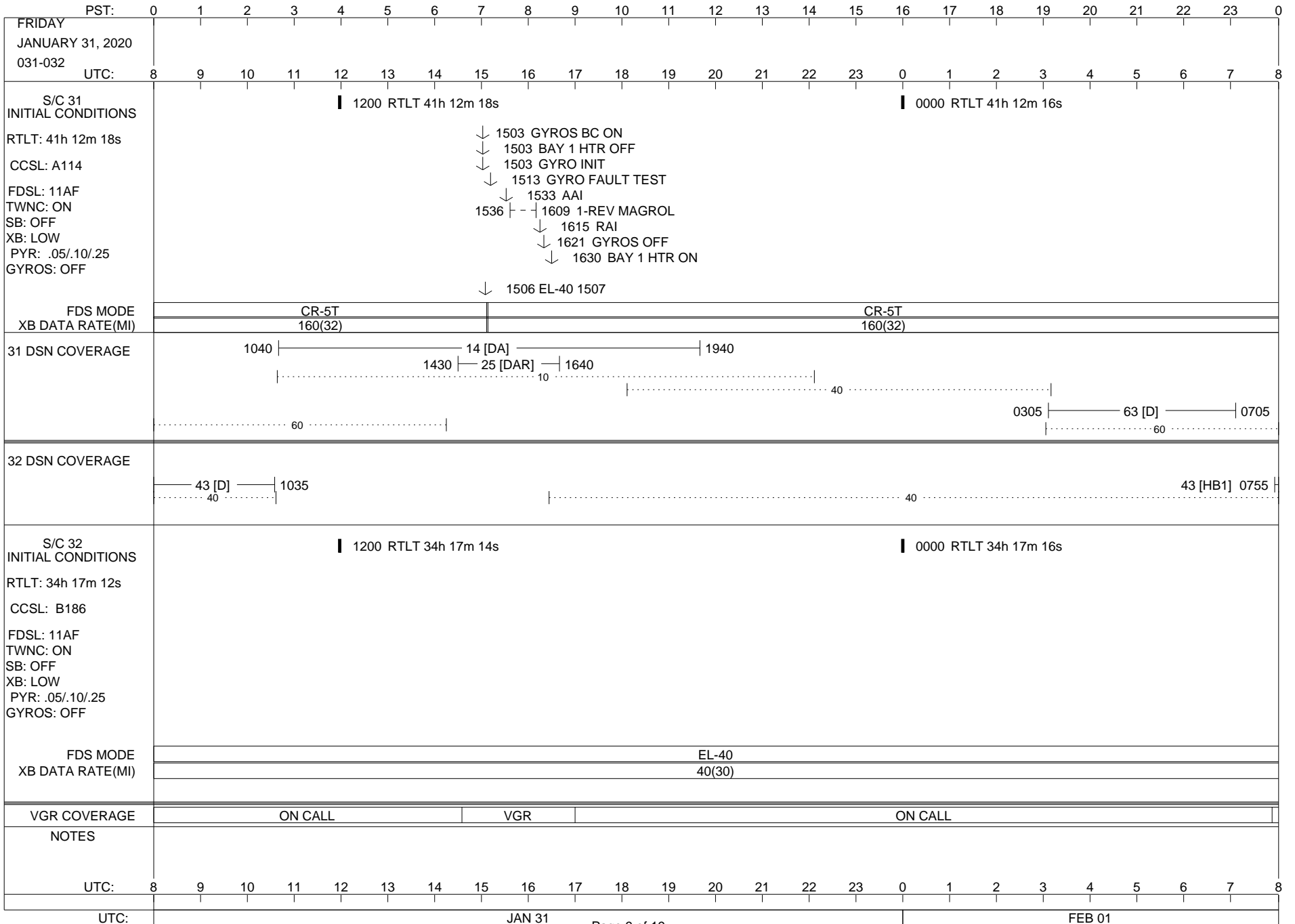
ISSUE DATE: 01/29/20 10:45



ISSUE DATE: 01/29/20 10:45



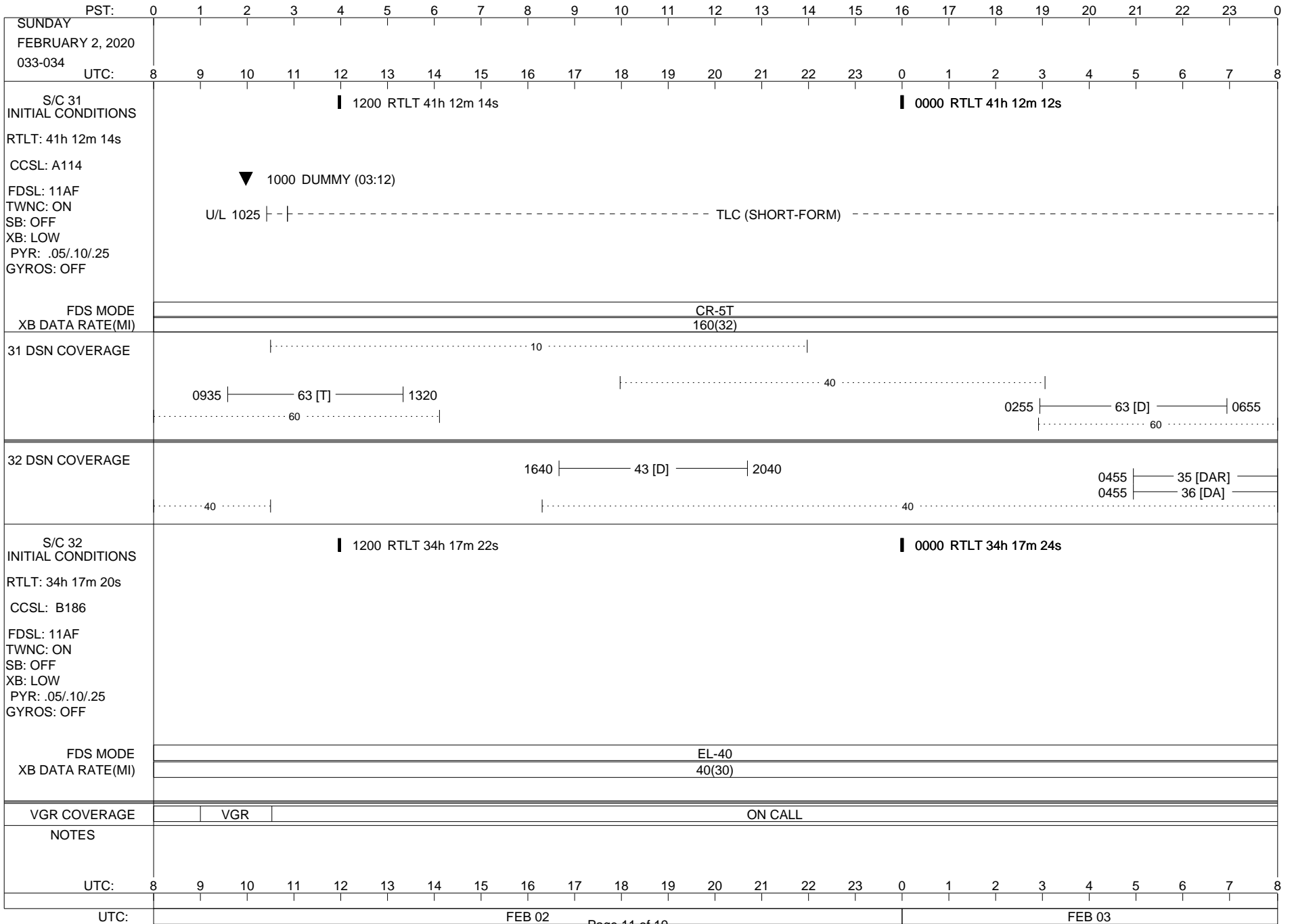
ISSUE DATE: 01/29/20 10:45



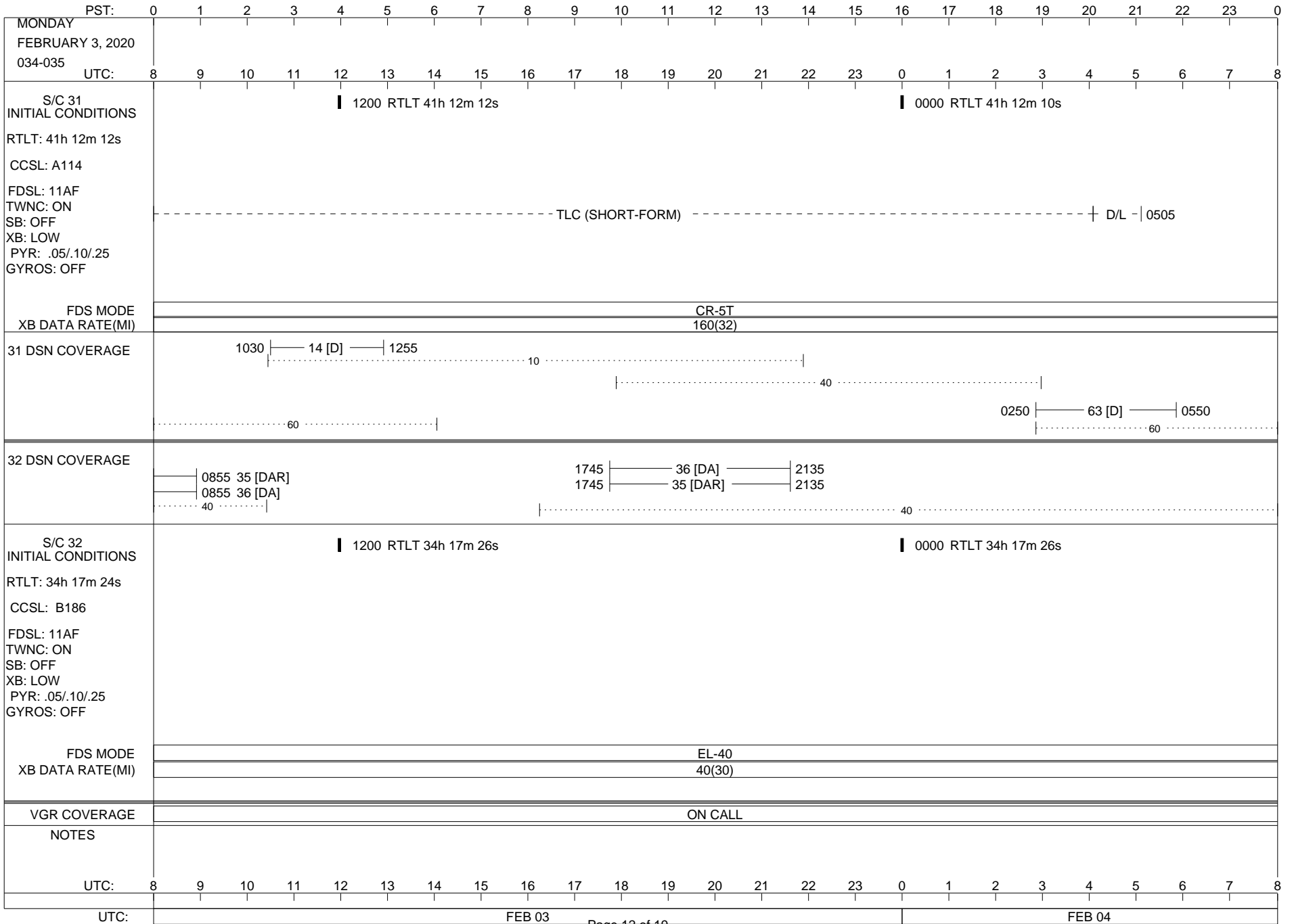
ISSUE DATE: 01/29/20 10:45

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 FEBRUARY 1, 2020 032-033	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: 41h 12m 16s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 41h 12m 16s												█ 0000 RTLT 41h 12m 14s												
	0329 0341 TAPPOS PWS/RH 0631 0632 TAPPOS 0643 0644																								
	0631 GS-4B 0632 ↓																								
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE 10 40 60																								
32 DSN COVERAGE	43 [HB1] 1030 1620 1710 43 [D] 2215 43 [D] 0200 40 40																								
S/C 32 INITIAL CONDITIONS RTLT: 34h 17m 16s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 34h 17m 18s												█ 0000 RTLT 34h 17m 20s												
	▼ 0832 DUMMY (5 MIN BRACKETED 18:50)																								
FDS MODE	EL-40																								
XB DATA RATE(MI)	40(30)																								
VGR COVERAGE	VGR ON CALL																								
NOTES	[1] DSS-43 HP DRV OFF <= 09:10																								
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:	FEB 01																FEB 02								

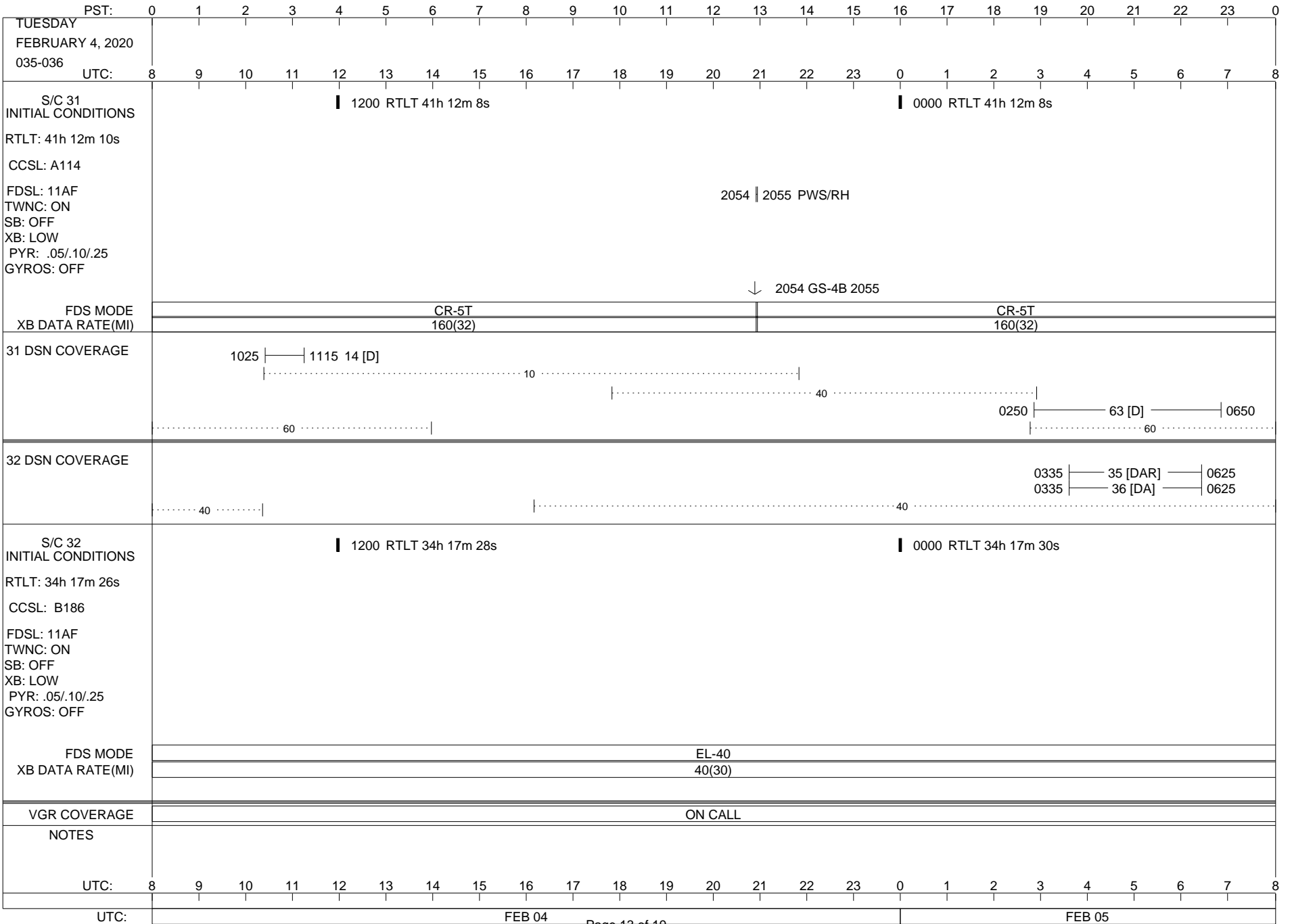
ISSUE DATE: 01/29/20 10:45



ISSUE DATE: 01/29/20 10:45



ISSUE DATE: 01/29/20 10:45



ISSUE DATE: 01/29/20 10:45

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

WEDNESDAY
FEBRUARY 5, 2020
036-037

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: 41h 12m 8s
CCSL: A114
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 41h 12m 6s

0000 RTLT 41h 12m 6s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE

1020 | 14 [D] | 1205

10

40

0245 - 0715

63 [D]

60

60

32 DSN COVERAGE

0225 | 34 [DA] | 0630
0225 | 35 [DAR] | 0630

40

40

S/C 32
INITIAL CONDITIONS
RTLTL: 34h 17m 30s
CCSL: B186
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 34h 17m 32s

0000 RTLT 34h 17m 32s

FDS MODE
XB DATA RATE(MI)

EL-40
40(30)

VGR COVERAGE

ON CALL

NOTES

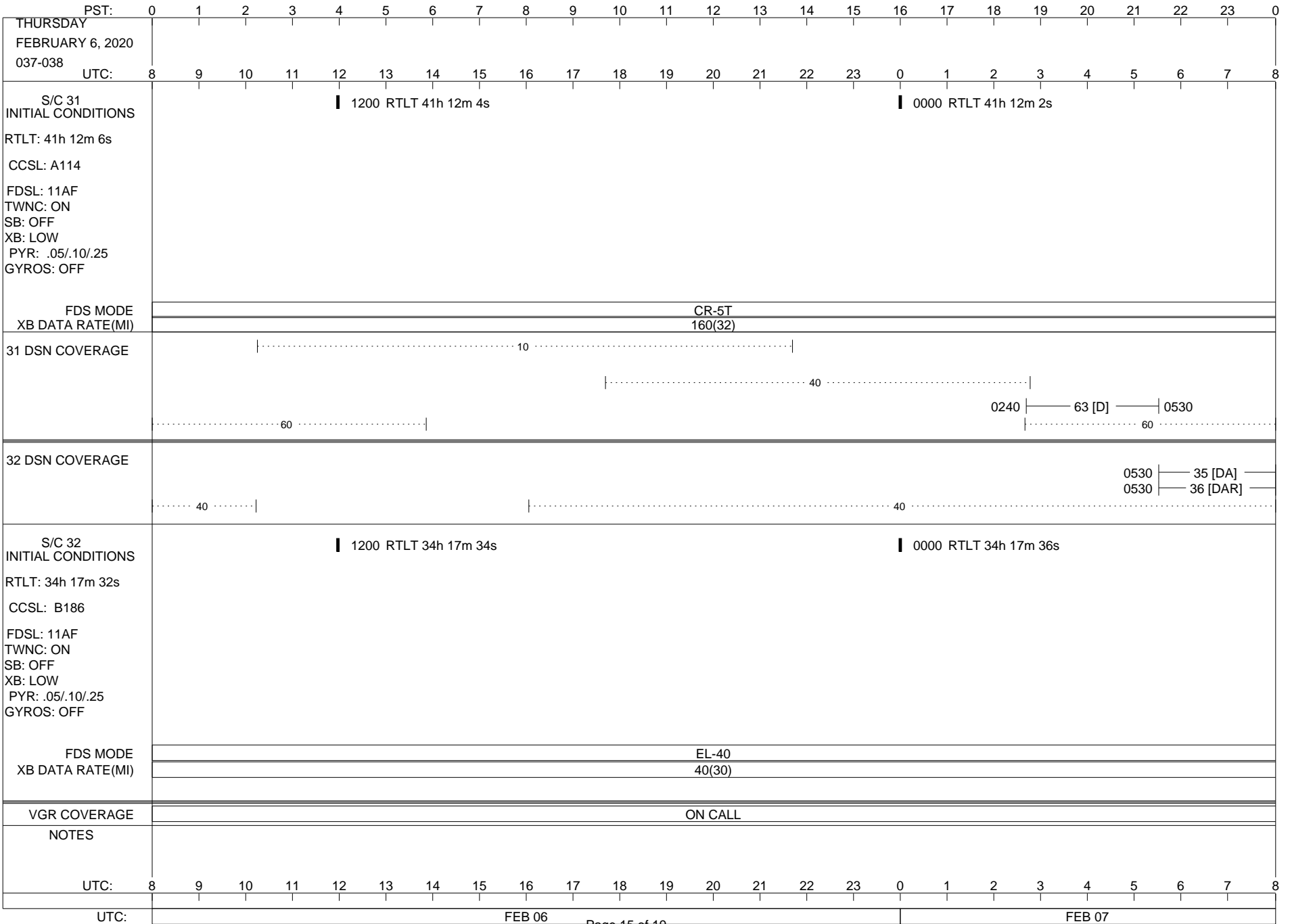
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UTC:

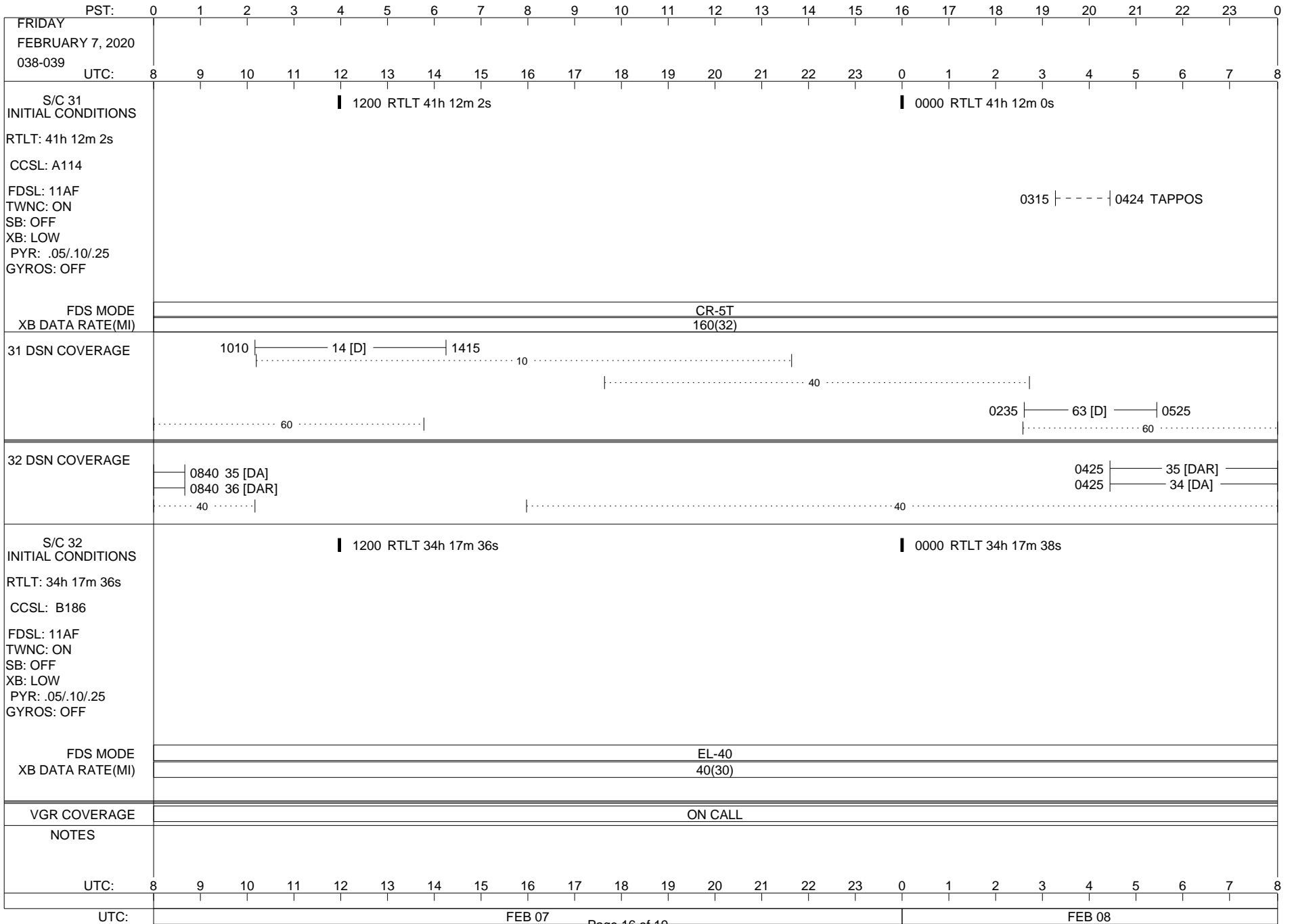
FEB 05

FEB 06

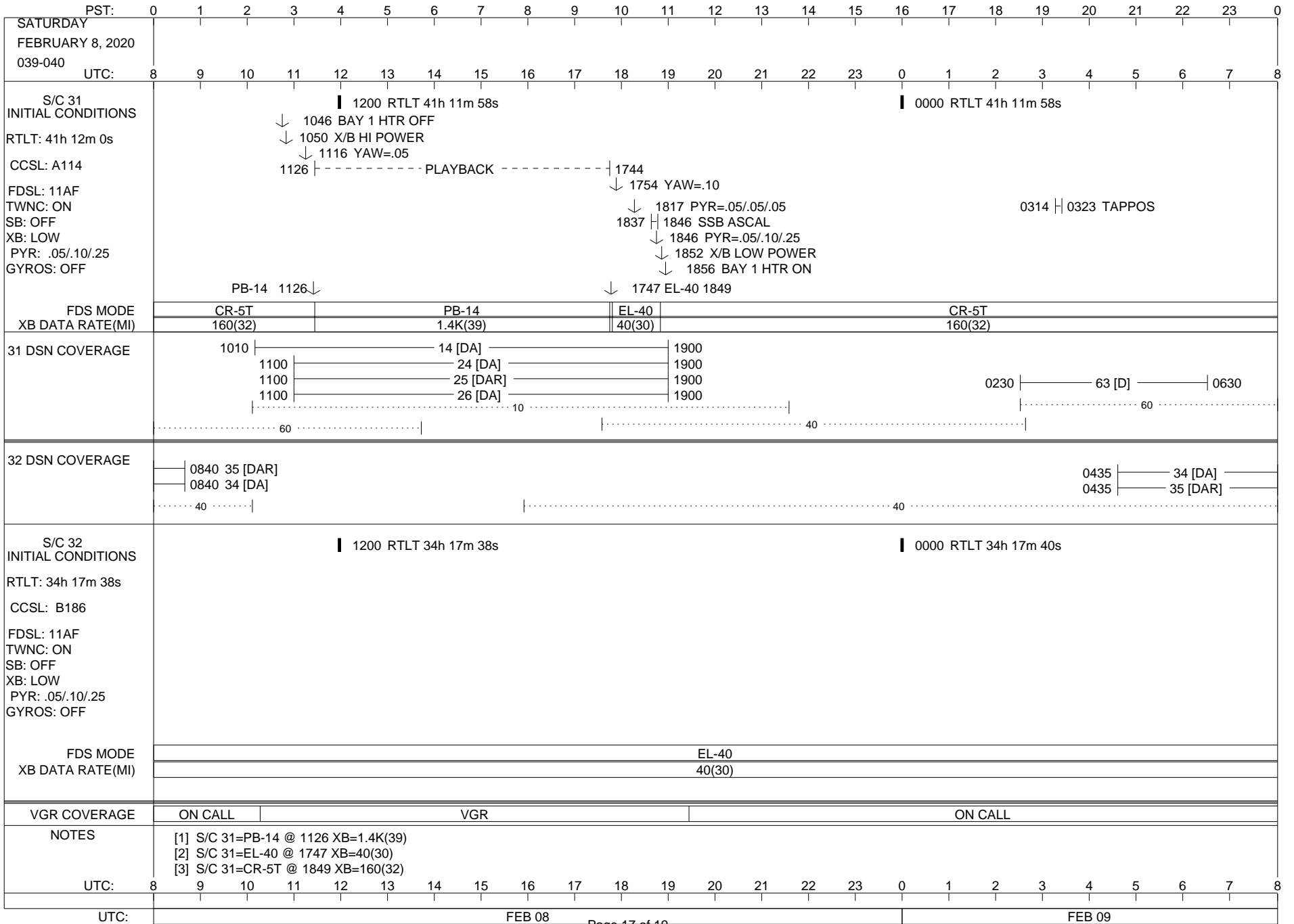
ISSUE DATE: 01/29/20 10:45



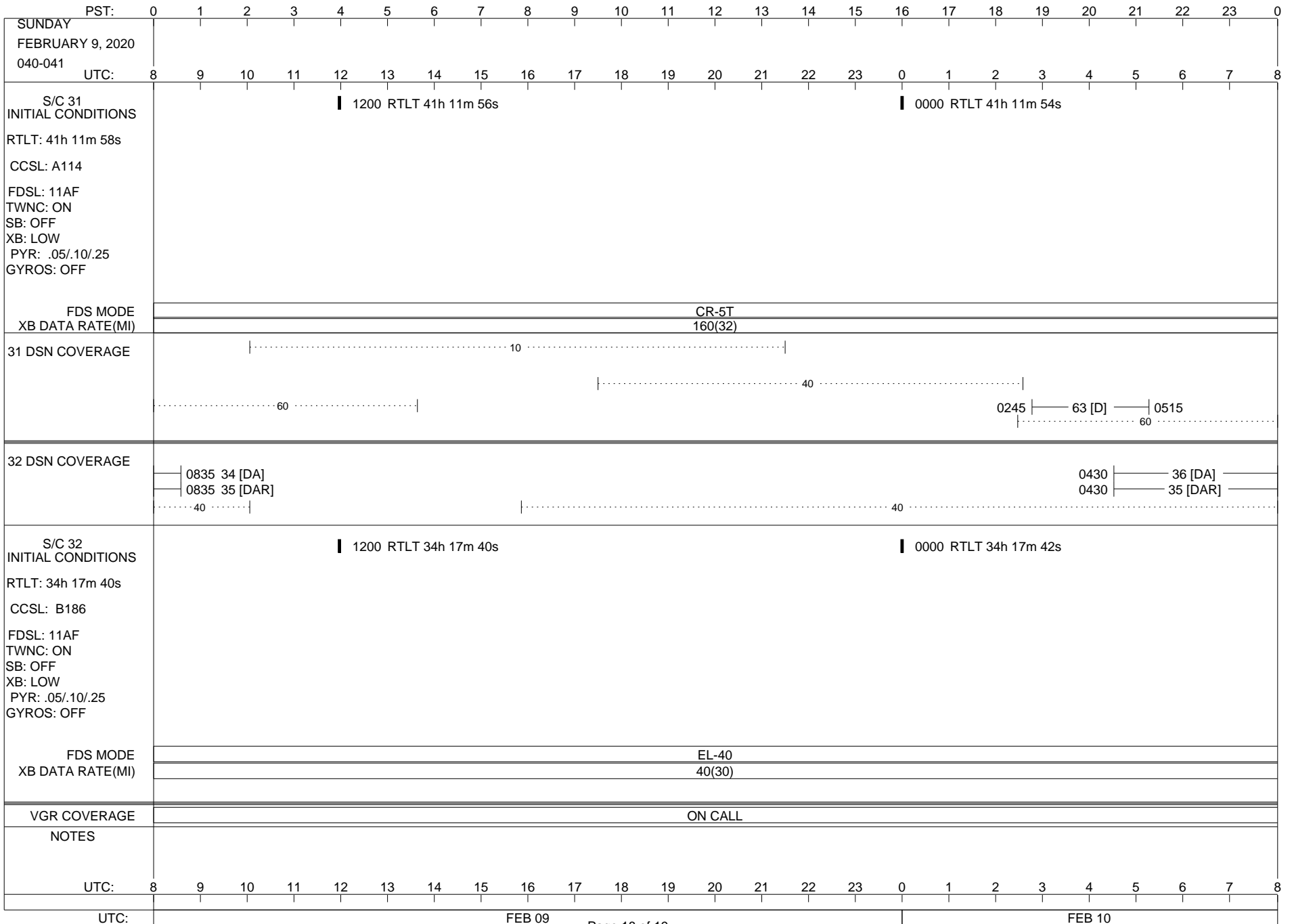
ISSUE DATE: 01/29/20 10:45



ISSUE DATE: 01/29/20 10:45



ISSUE DATE: 01/29/20 10:45



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
MONDAY FEBRUARY 10, 2020 041-042	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: 41h 11m 54s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 41h 11m 52s</p> <p>↓ 1302 IMPLEMENT ECR 204313 1317 1318 SID MRO 1417 1418 SID MRO - REDUNDANT</p> <p>↓ 1516 AHELI2 ENA 1518 1519 AHELI2 SID MRO'S</p>																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	<p>1015 ----- 14 ----- 1545</p> <p>..... 10</p> <p>..... 60</p>																								
32 DSN COVERAGE	<p>0830 36 [DA]</p> <p>0830 35 [DAR]</p> <p>..... 40</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 34h 17m 42s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 34h 17m 42s</p>																								
FDS MODE XB DATA RATE(MI)													EL-40 40(30)												
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:	FEB 10												FEB 11												