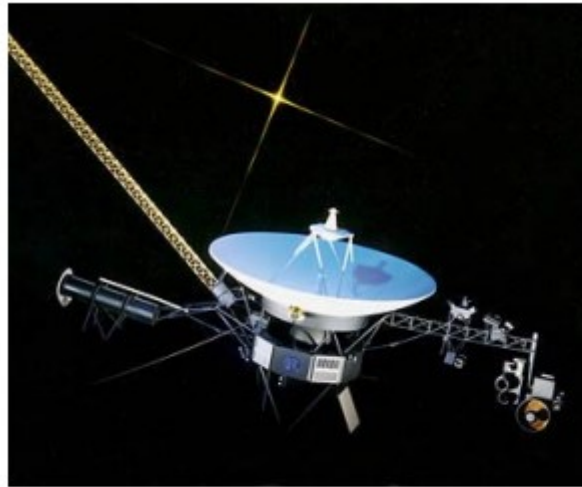


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: January 29, 2020

For the Period: 01/30/20 to 02/16/20 (20/030 – 20/047)



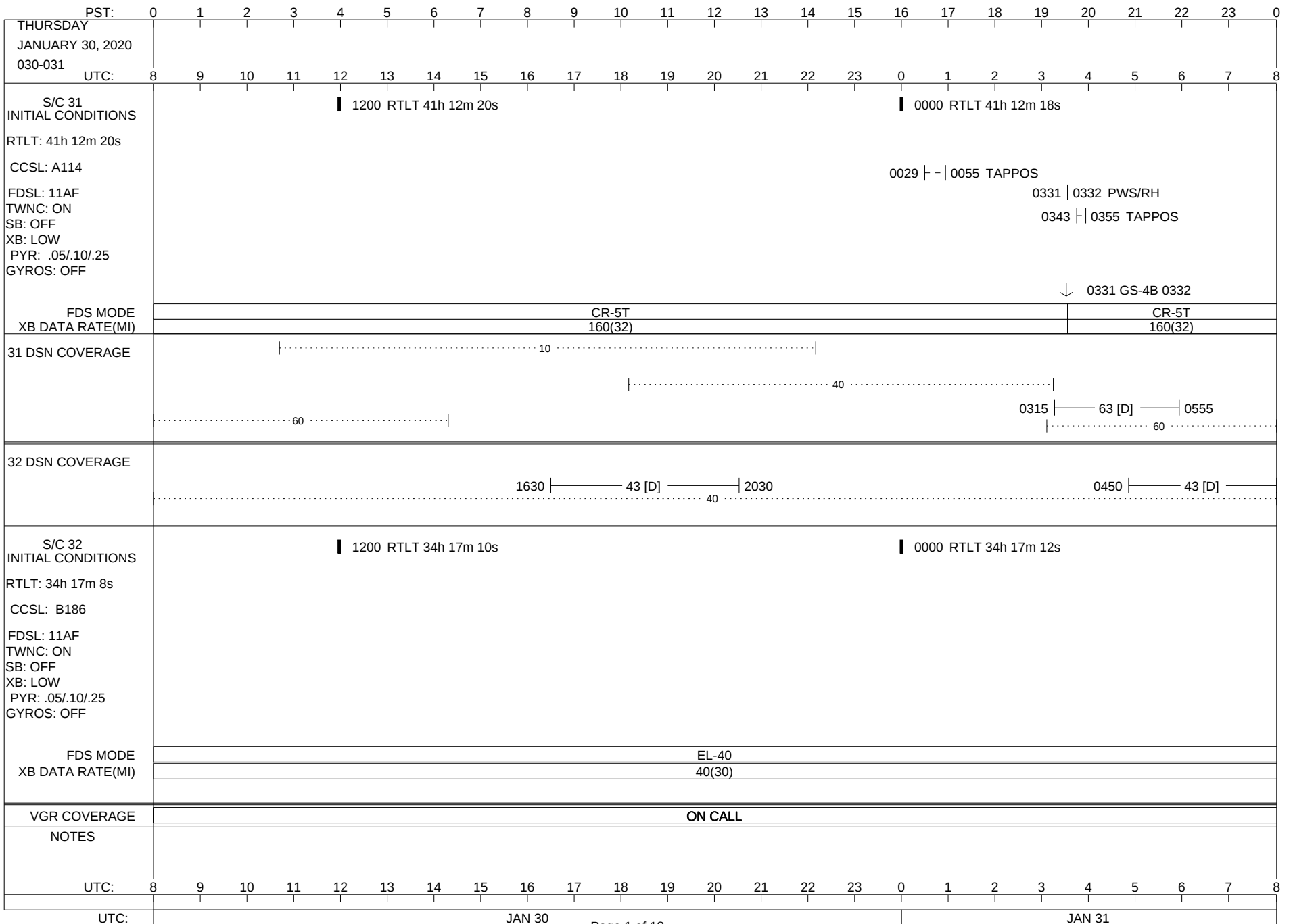
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

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 10:11

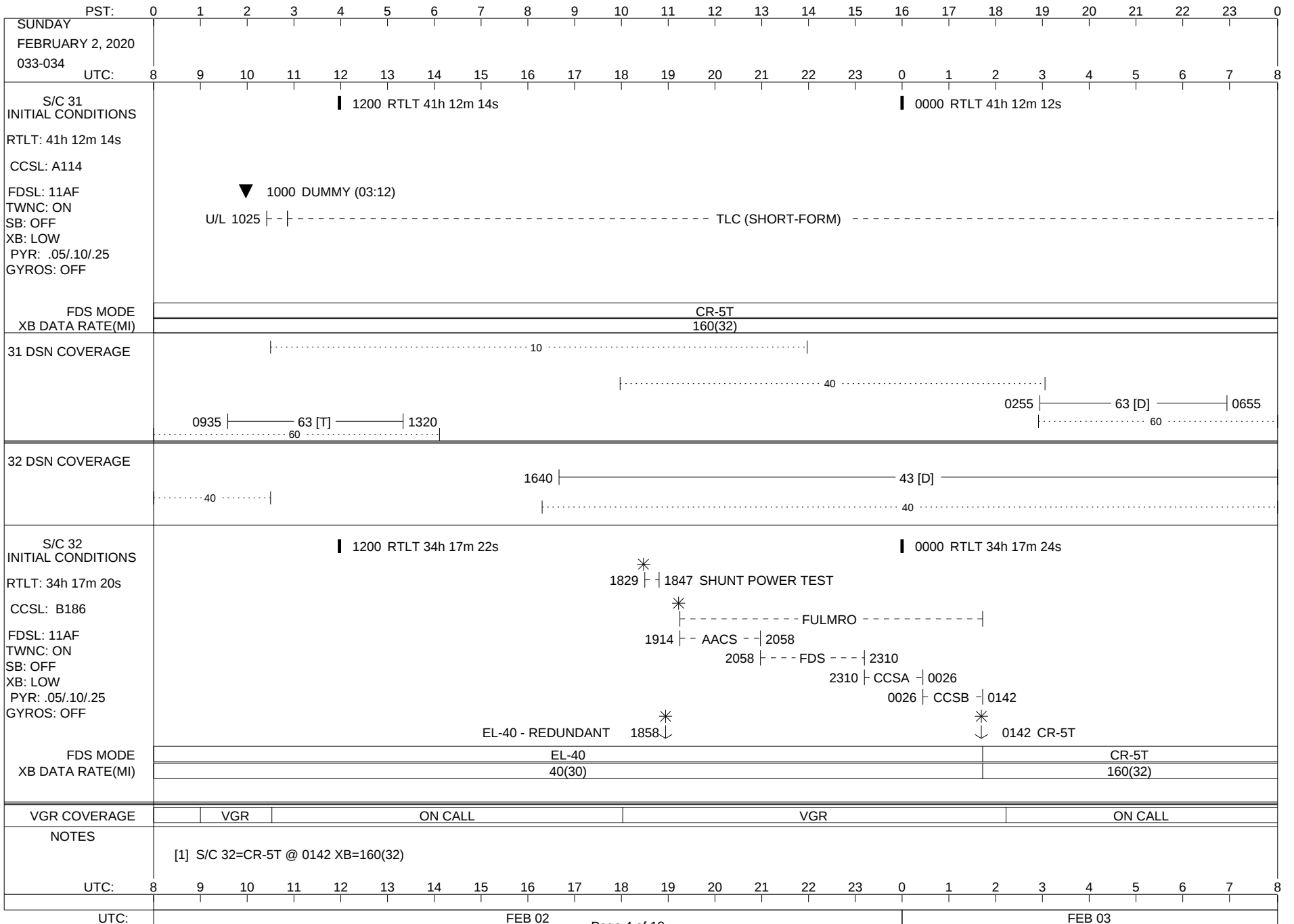


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FRIDAY JANUARY 31, 2020 031-032																												
UTC:		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
S/C 31 INITIAL CONDITIONS RTLT: 41h 12m 18s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 41h 12m 18s 0000 RTLT 41h 12m 16s 1503 GYROS BC ON 1503 BAY 1 HTR OFF 1503 GYRO INIT 1513 GYRO FAULT TEST 1533 AAI 1536 1609 1-REV MAGROL 1615 RAI 1621 GYROS OFF 1630 BAY 1 HTR ON 1506 EL-40 1507																										
FDS MODE		CR-5T													CR-5T													
XB DATA RATE(MI)		160(32)													160(32)													
31 DSN COVERAGE		1040 14 [DA] 1940 1430 25 [DAR] 1640 60 40 0305 63 [D] 0705 60																										
32 DSN COVERAGE		43 [D] 1035 40 40 43 [HB1] 0755																										
S/C 32 INITIAL CONDITIONS RTLT: 34h 17m 12s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 34h 17m 14s 0000 RTLT 34h 17m 16s																										
FDS MODE		EL-40																										
XB DATA RATE(MI)		40(30)																										
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		
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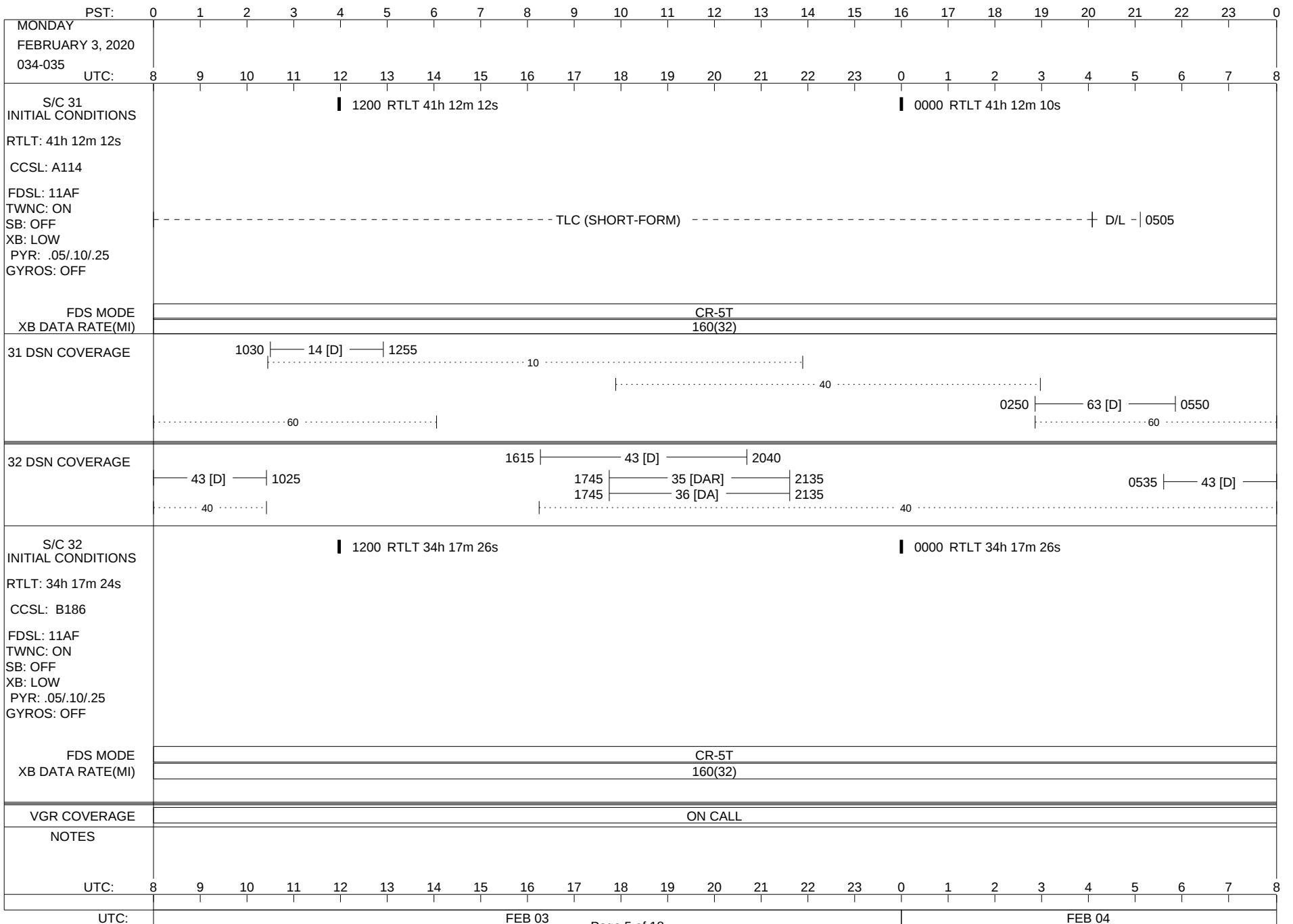
ISSUE DATE: 01/29/20 10:11

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SATURDAY FEBRUARY 1, 2020 032-033																												0	
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 16s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF FDS MODE XB DATA RATE(MI)		1200 RTLT 41h 12m 16s 0000 RTLT 41h 12m 14s 0329 0341 TAPPOS PWS/RH 0631 0632 TAPPOS 0643 0644 0631 GS-4B 0632 ↓																											
		CR-5T																											
		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 FDS MODE XB DATA RATE(MI)		1200 RTLT 34h 17m 18s 0000 RTLT 34h 17m 20s ▼ 0811 SHUNT POWER TEST (18:28) ▼ 0840 EL-40 FULMRO CONTINGENCY (18:57)																									
				EL-40																									
				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	
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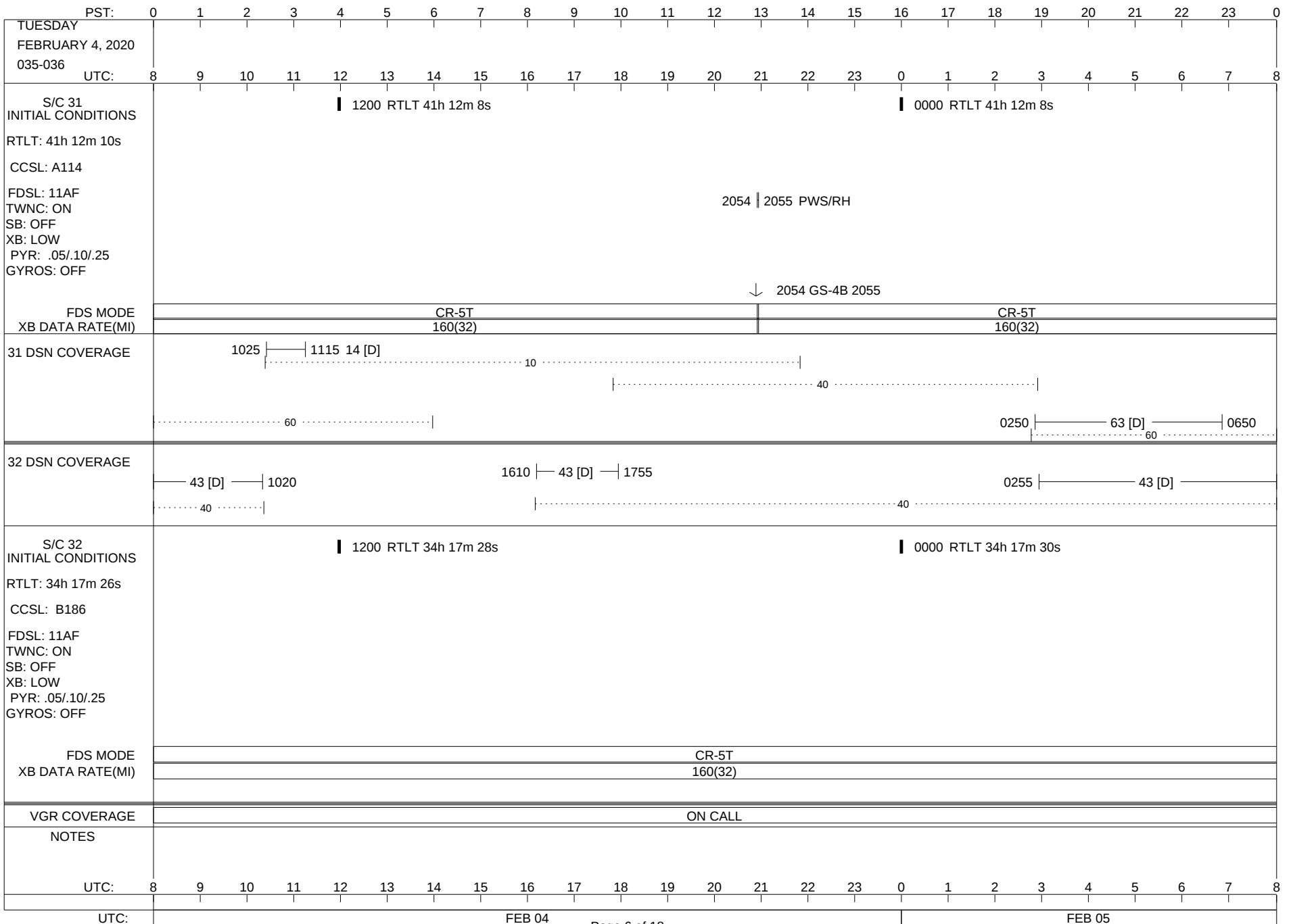
ISSUE DATE: 01/29/20 10:11



ISSUE DATE: 01/29/20 10:11



ISSUE DATE: 01/29/20 10:11



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 RTLT: 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		43 [D] 1020 1615 43 [D] 0625 40 40																							
S/C 32 INITIAL CONDITIONS RTLT: 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)		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:		FEB 05												FEB 06											

THURSDAY FEBRUARY 6, 2020 037-038

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 6s

CCSL: A114

FDSL: 11AF

TWNC: ON

SB: OFF

KB: LOW

PYR: .05/.10/.25

GYROS: OFF

FDS MODE

XB DATA RATE(MI)

31 DSN COVERAGE

32 DSN COVERAGE

S/C 32 INITIAL CONDITIONS

RTLT: 34h 17m 32s

CCSL: B186

FDSL: 11AF

TWNC: ON

SB: OFF

KB: LOW

PYR: .05/.10/.25

GYROS: OFF

FDS MODE

XB DATA RATE(MI)

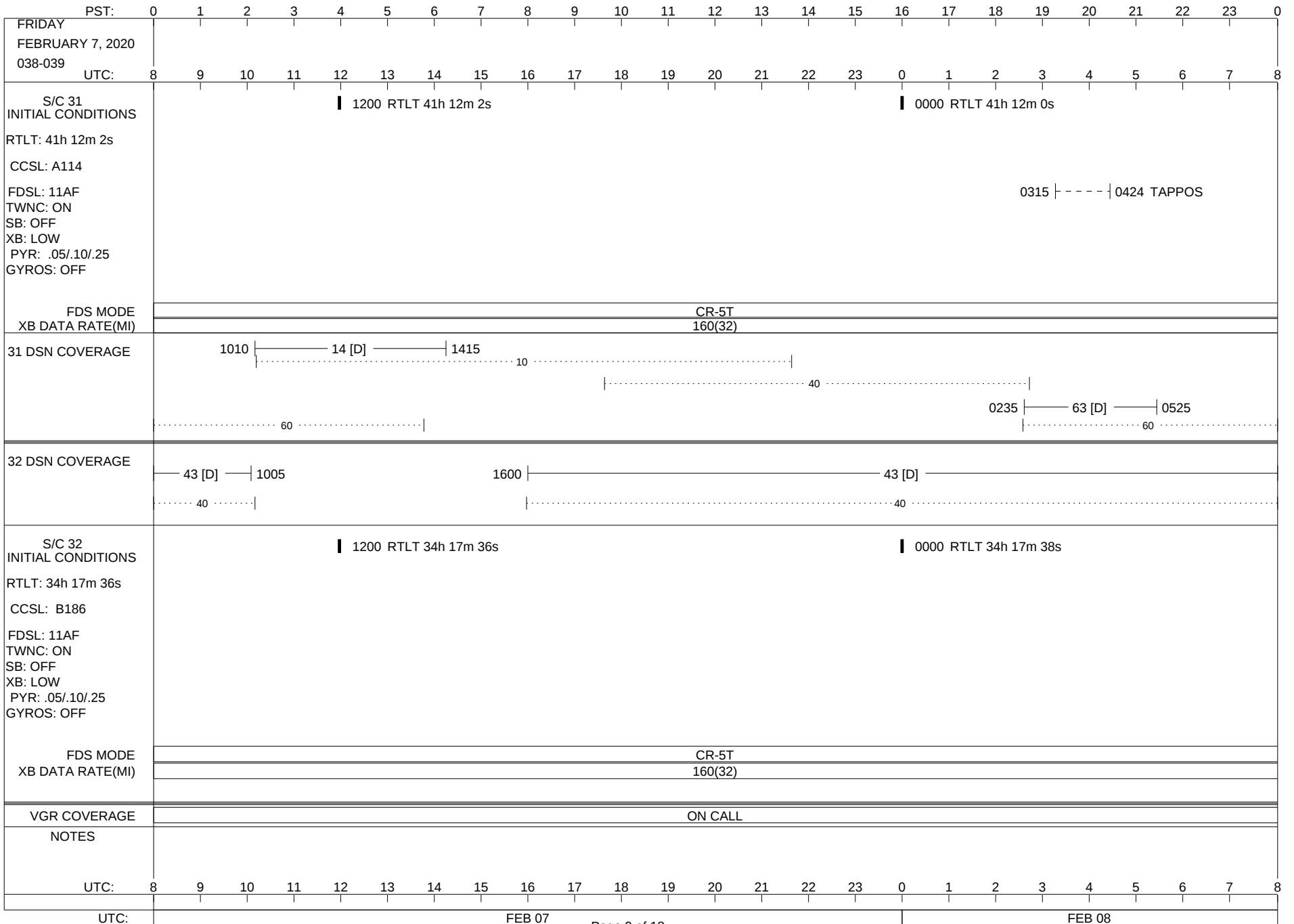
VGR COVERAGE

NOTES

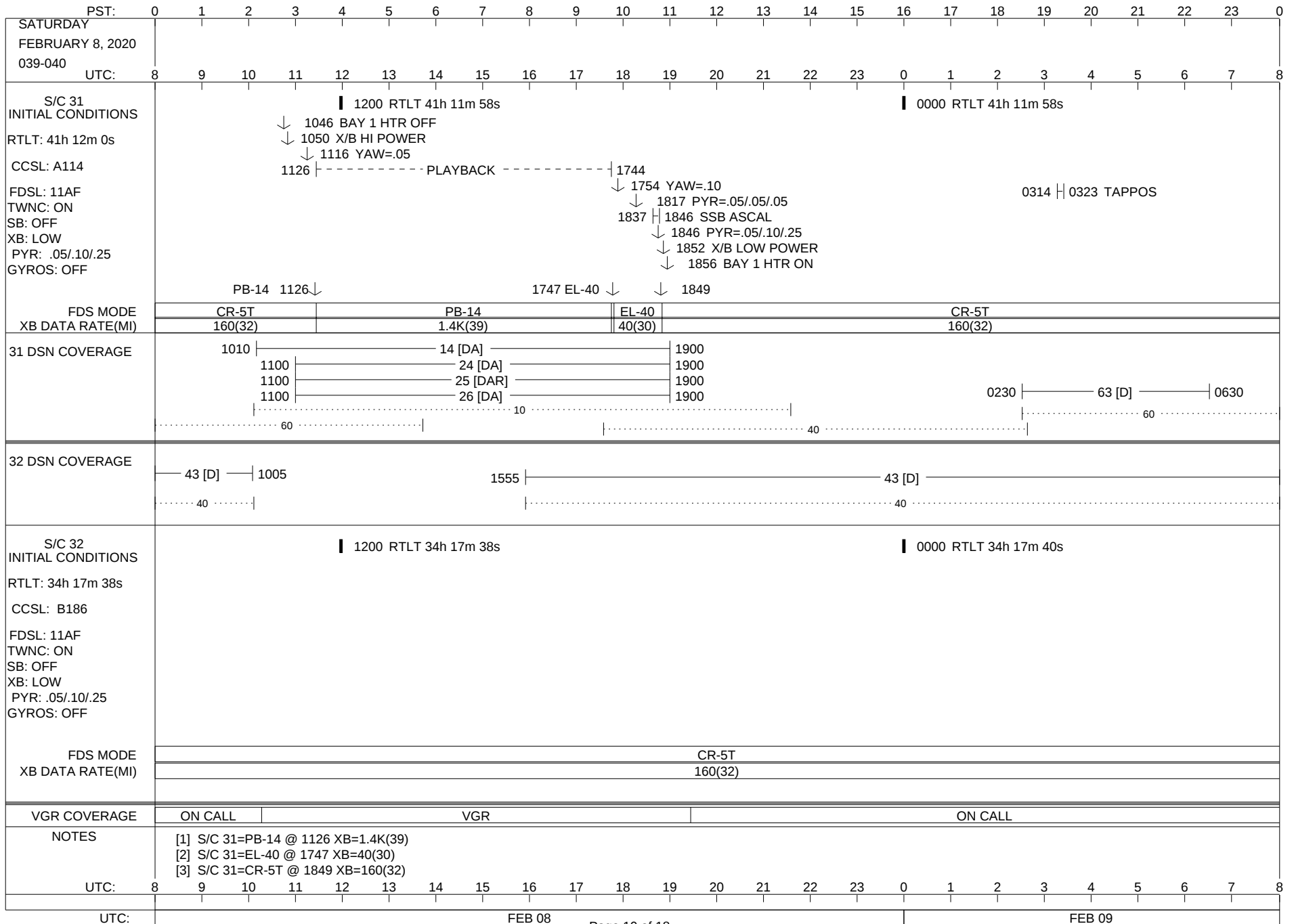
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: FEB 06 FEB 07

ISSUE DATE: 01/29/20 10:11



ISSUE DATE: 01/29/20 10:11



31

SUNDAY
FEBRUARY 9, 2020
040-041

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

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 58s
CCSL: A114
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

1200 RTLT 41h 11m 56s
0000 RTLT 41h 11m 54s

43 [D] 1005 1550 43 [D] 2040 0430 36 [DA] 0430 35 [DAR]

40 60 63 [D] 0515 60

S/C 32
INITIAL CONDITIONS
RTLT: 34h 17m 40s
CCSL: B186
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

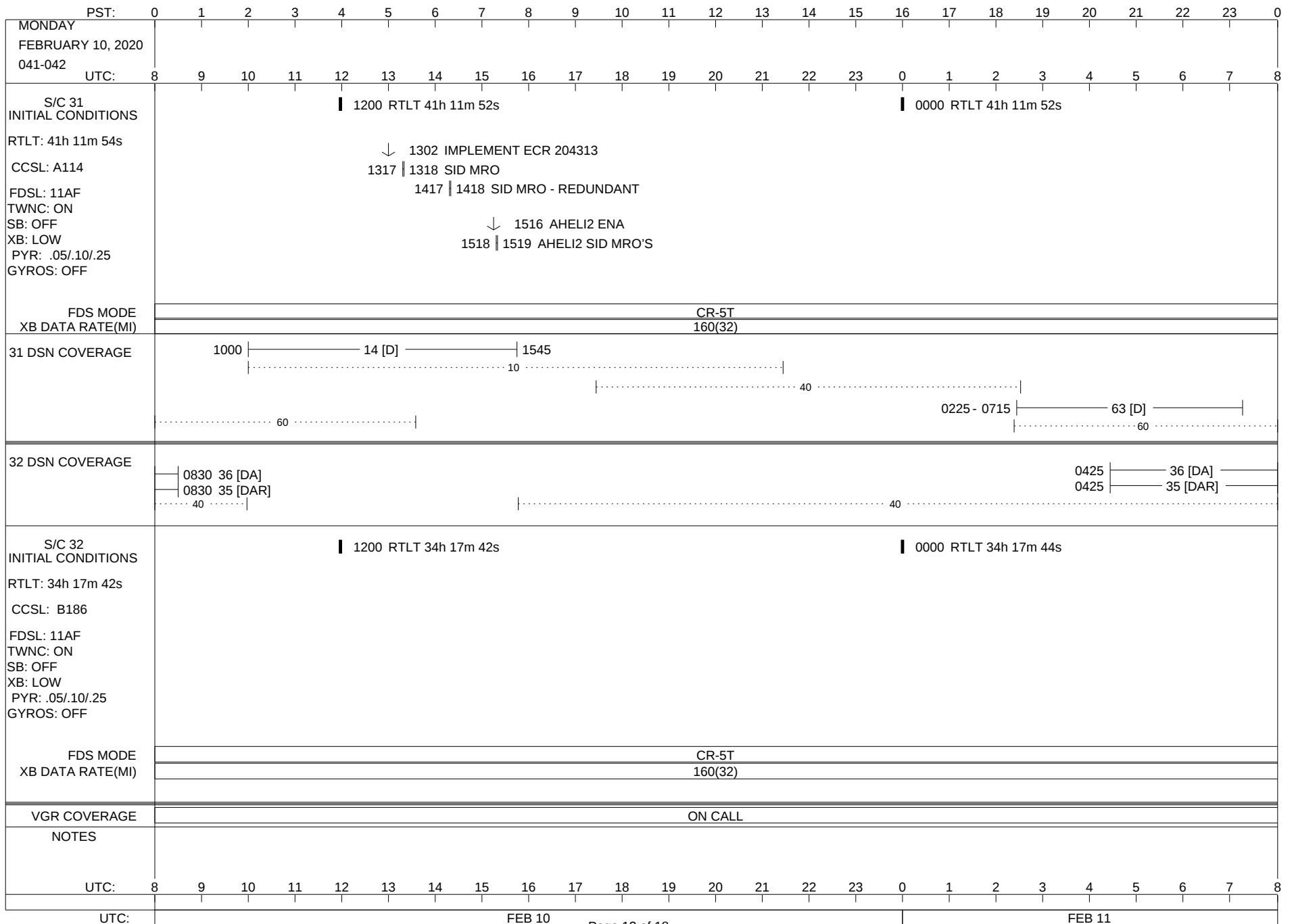
VGR COVERAGE
ON CALL

NOTES

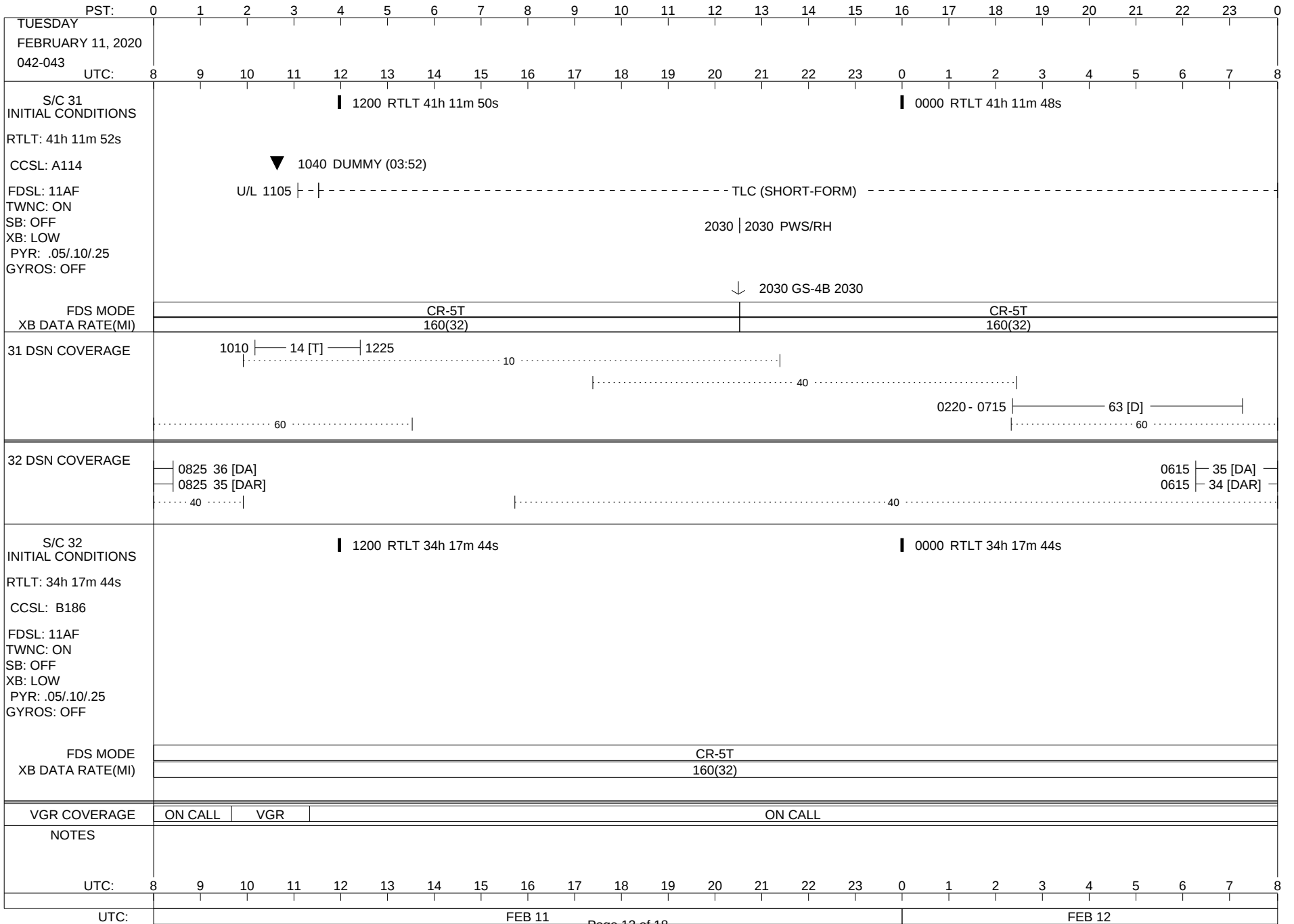
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: FEB 09 FEB 10

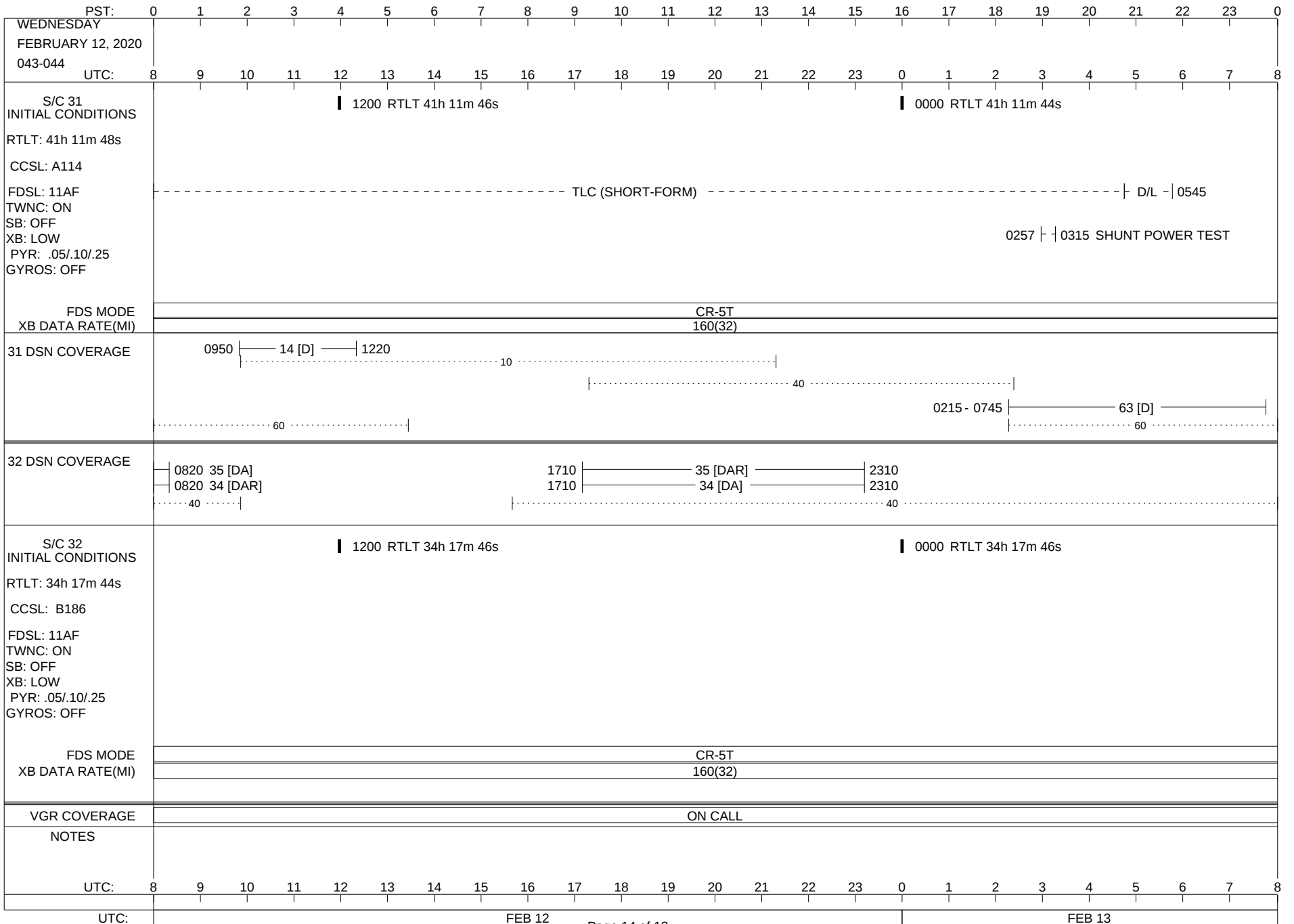
ISSUE DATE: 01/29/20 10:11



ISSUE DATE: 01/29/20 10:11



ISSUE DATE: 01/29/20 10:11



THURSDAY
FEBRUARY 13, 2020
044-045

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

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 44s
CCSL: A114
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 41h 11m 44s
0000 RTLT 41h 11m 42s

2341 | TAPPOS | 0102
0243 | 0244 PWS/RH
0254 | - - - - | 0402 TAPPOS

↓ 0243 GS-4B 0244

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

CR-5T
160(32)

31 DSN COVERAGE

10 40 0210 63 [D] 0610 60

32 DSN COVERAGE

40 40

S/C 32
INITIAL CONDITIONS
RTLT: 34h 17m 46s
CCSL: B186
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 34h 17m 46s
0000 RTLT 34h 17m 48s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

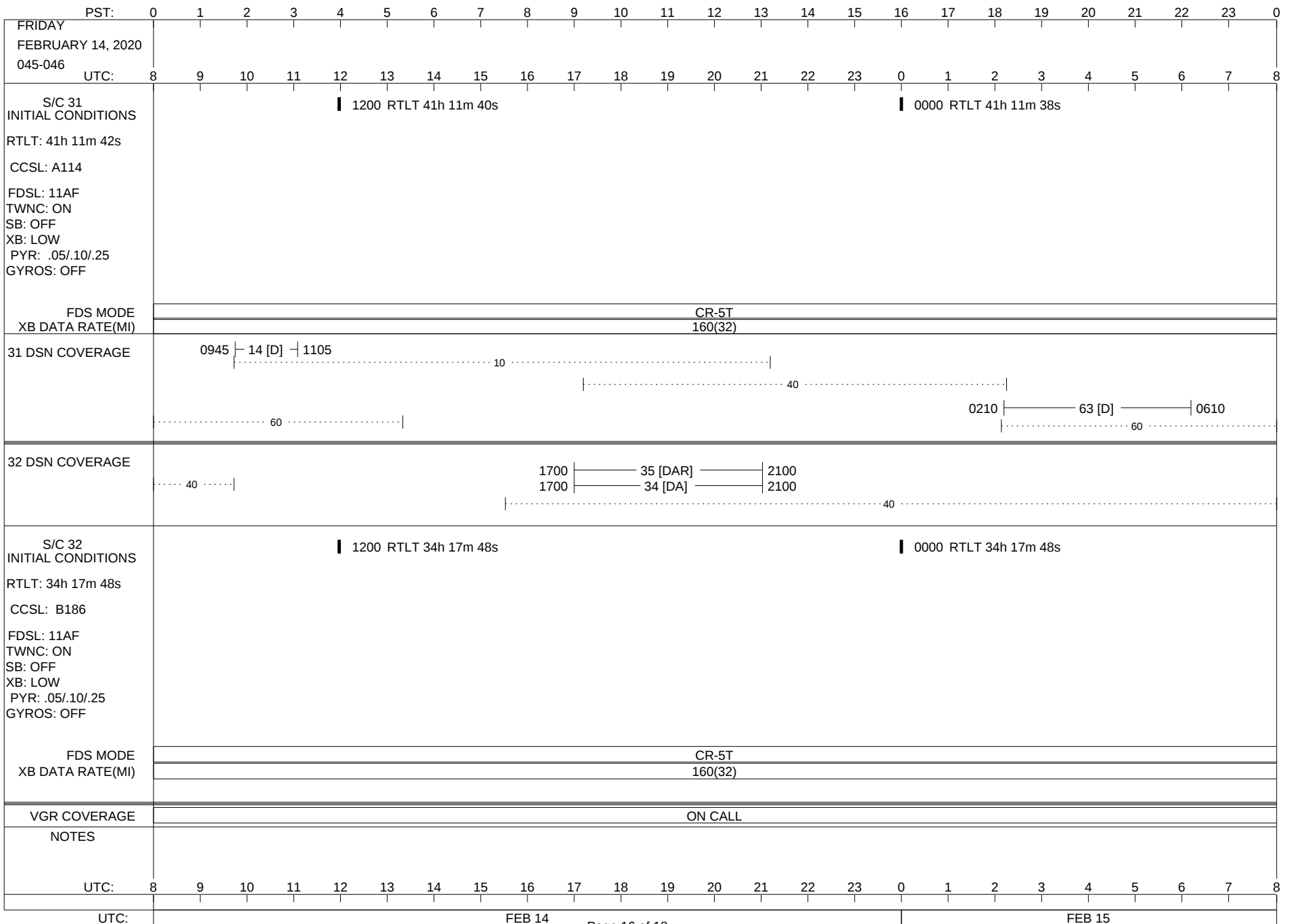
VGR COVERAGE
ON CALL

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: FEB 13 FEB 14

ISSUE DATE: 01/29/20 10:11



S/C 31 INITIAL CONDITIONS

RTLT: 41h 11m 38s
CCSL: A114
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

S/C 32 INITIAL CONDITIONS

RTLT: 34h 17m 48s
CCSL: B186
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

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

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 1 2 3 4 5 6 7 8

CR-5T 160(32)

ON CALL

1200 RTLT 41h 11m 36s

0000 RTLT 41h 11m 34s

0940 14 [D] 1215

0210 63 [D] 0500

0542 GS-4B 0544 ↓

0241 0348 TAPPOS

0542 0544 PWS/RH

TAPPOS 0554 0648

1655 35 [DAR] 2055

1655 34 [DA] 2055

1200 RTLT 34h 17m 48s

0000 RTLT 34h 17m 48s

FEB 15

FEB 16

ISSUE DATE: 01/29/20 10:11

