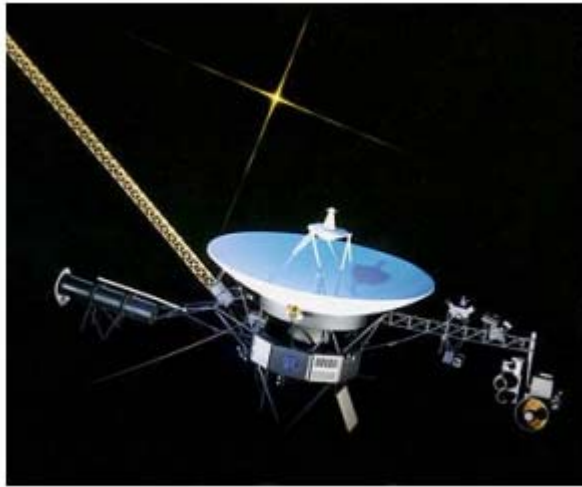


# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: March 25, 2020

For the Period: 03/26/20 to 04/22/20 (20/086 – 20/104)



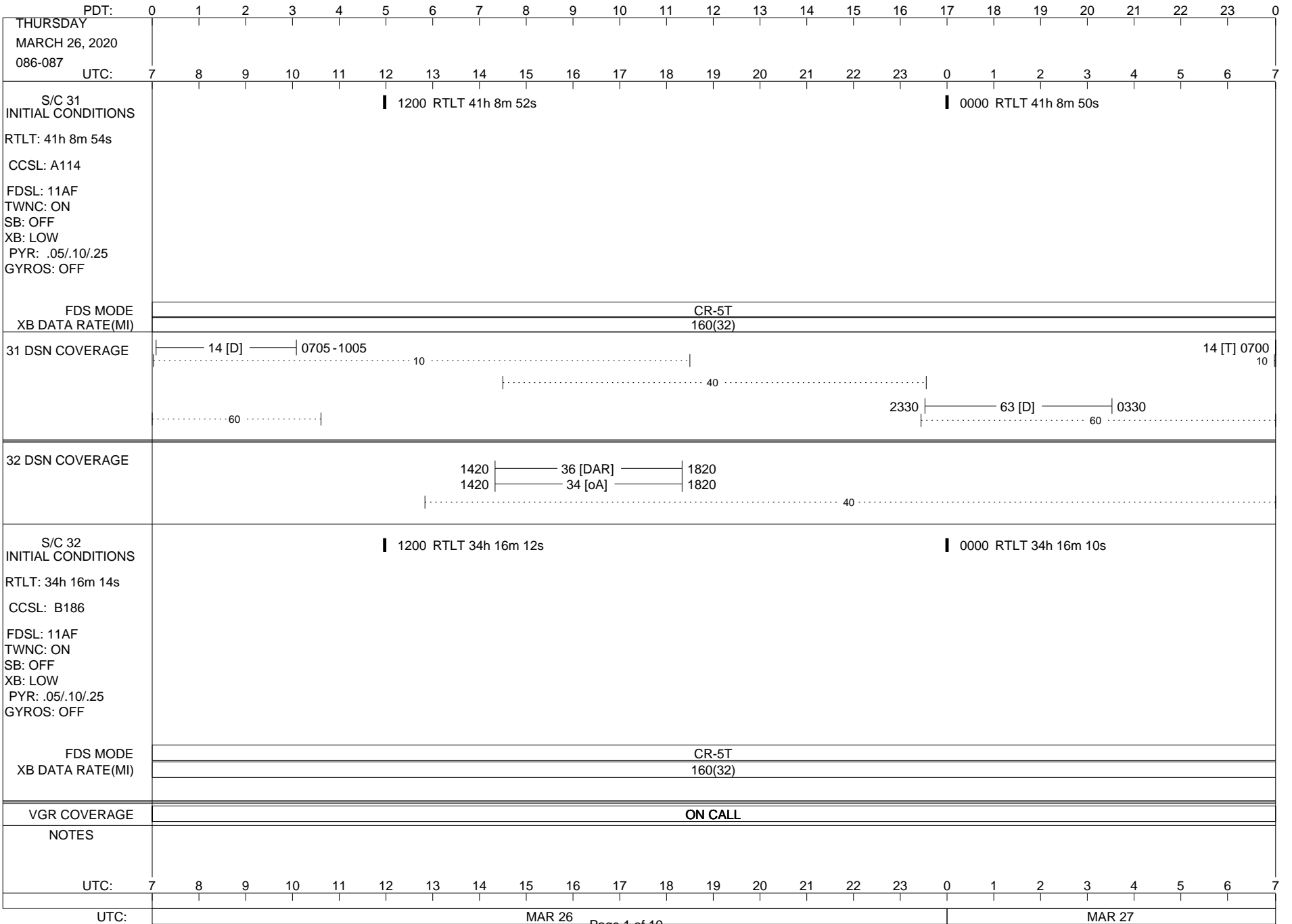
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

**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

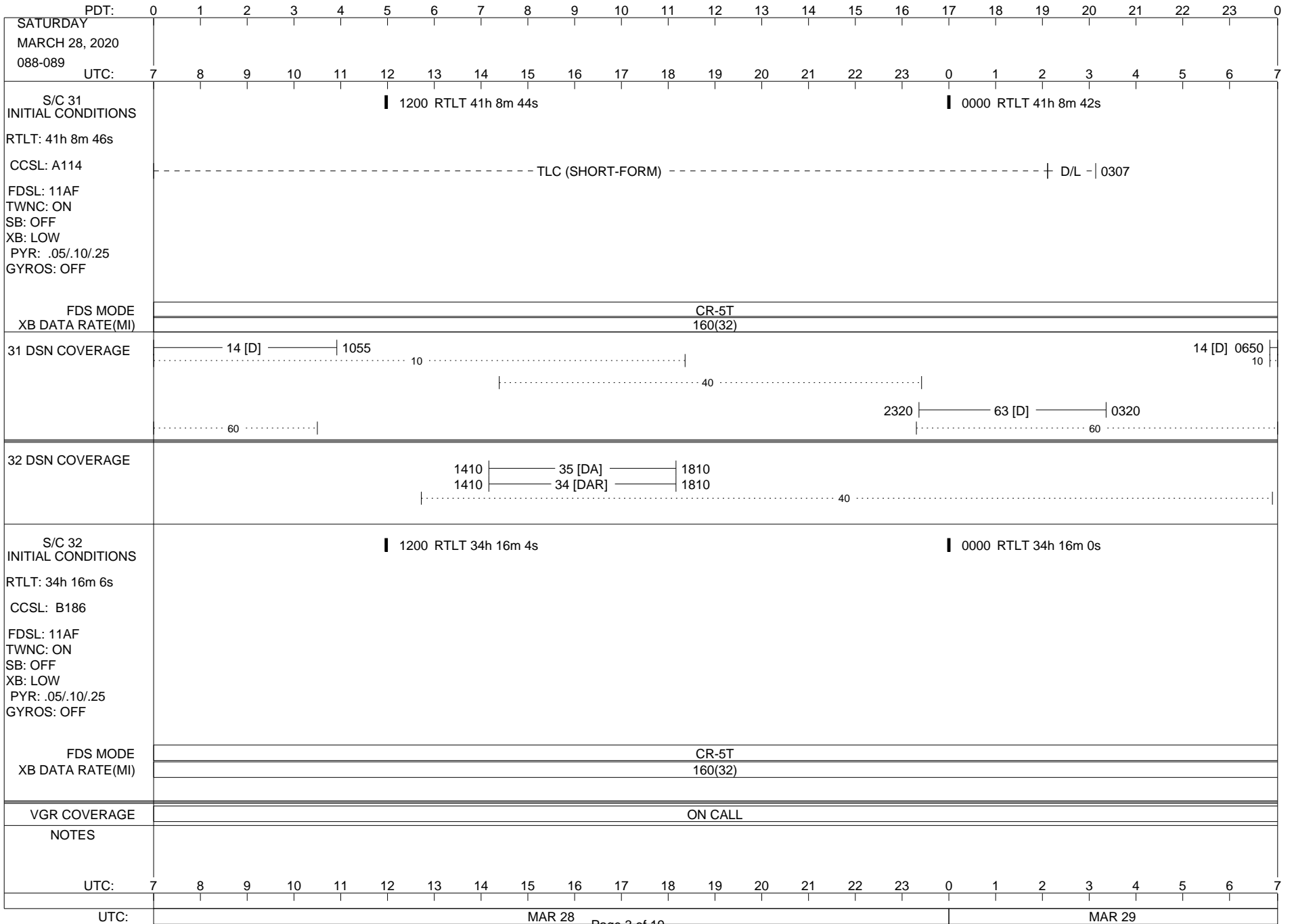
02/27/19

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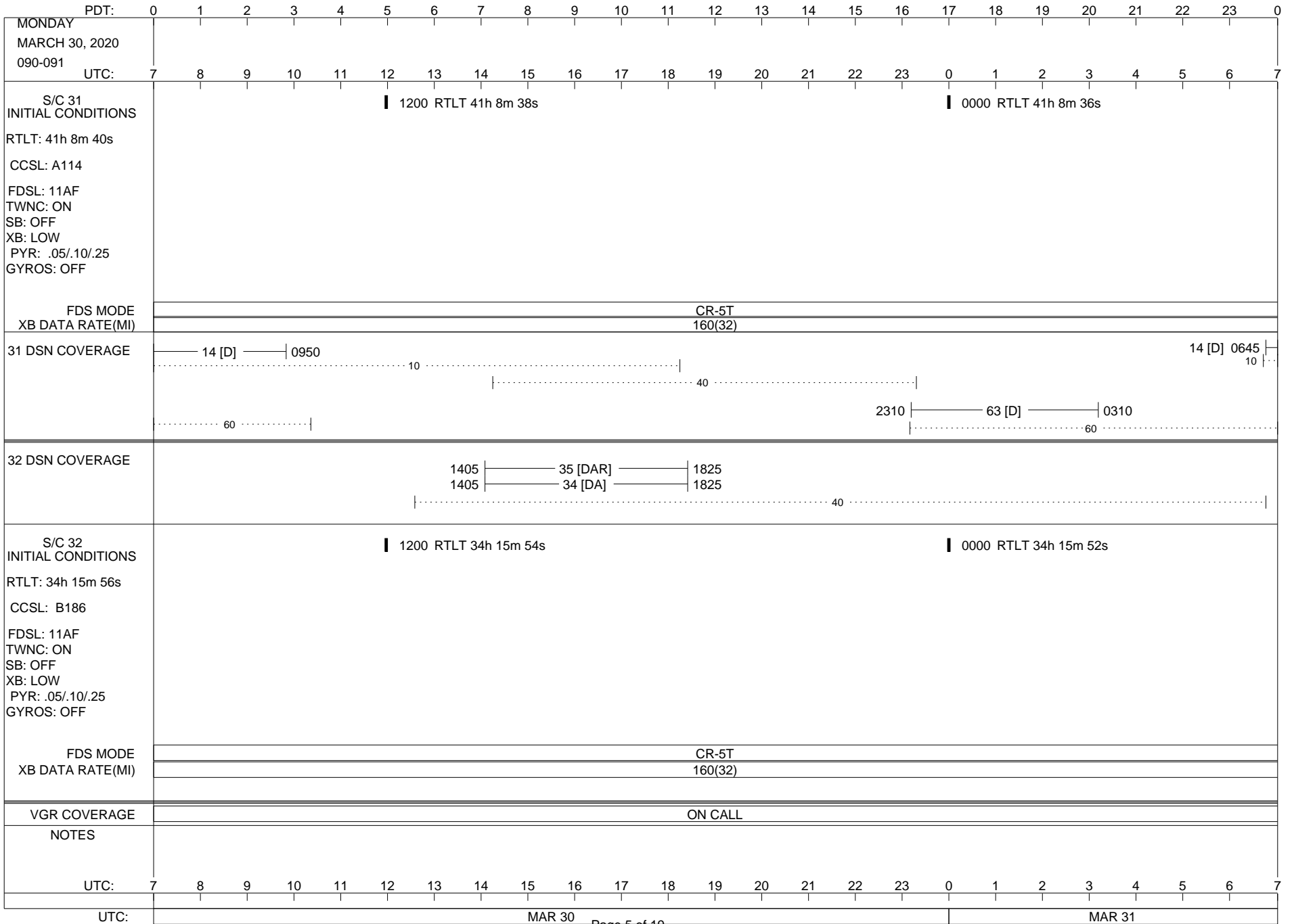
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FRIDAY MARCH 27, 2020 087-088	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 41h 8m 50s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 41h 8m 48s												0000 RTLT 41h 8m 46s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
31 DSN COVERAGE	14 [T]   0700-1000												14 [D] 0655   10													
	60												2325   63 [D]   0215 60													
32 DSN COVERAGE	40												1415   36 [DA]   1700 1415   35 [DAR]   1700													
													0130   35 [DA]   0530 0130   36 [DAR]   0530													
S/C 32 INITIAL CONDITIONS RTLTL: 34h 16m 10s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 16m 8s												0000 RTLT 34h 16m 6s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
VGR COVERAGE	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 27													MAR 28												



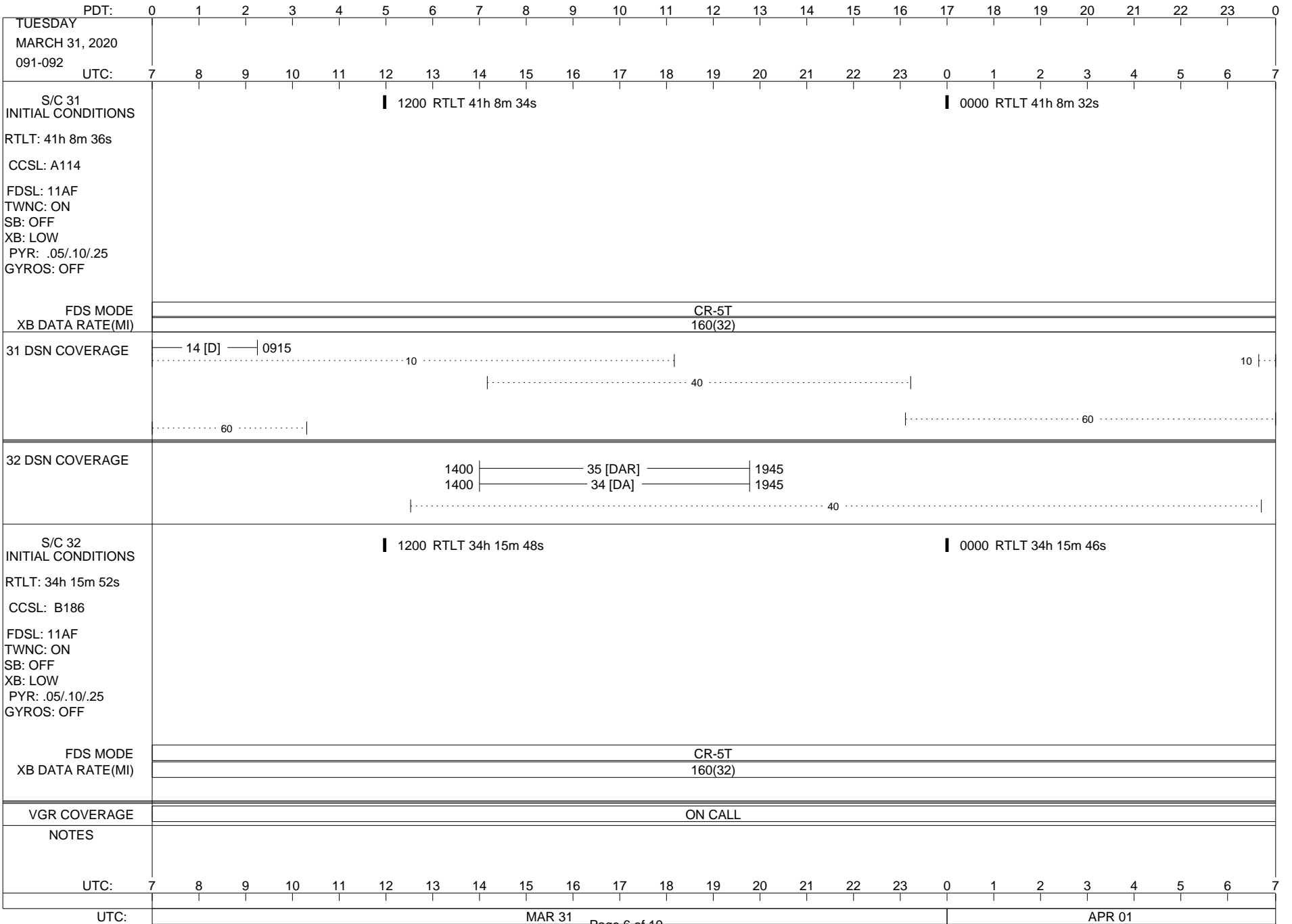
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SUNDAY MARCH 29, 2020 089-090	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 41h 8m 42s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 41h 8m 40s												0000 RTLT 41h 8m 40s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	14 [D] 0920												14 [D] 0650													
	60												2315 63 [D] 0315 60													
32 DSN COVERAGE	1410 36 [DA] 1830												1410 35 [DAR] 1830													
	40																									
S/C 32 INITIAL CONDITIONS RTLT: 34h 16m 0s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 15m 58s												0000 RTLT 34h 15m 56s													
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:	MAR 29													MAR 30												

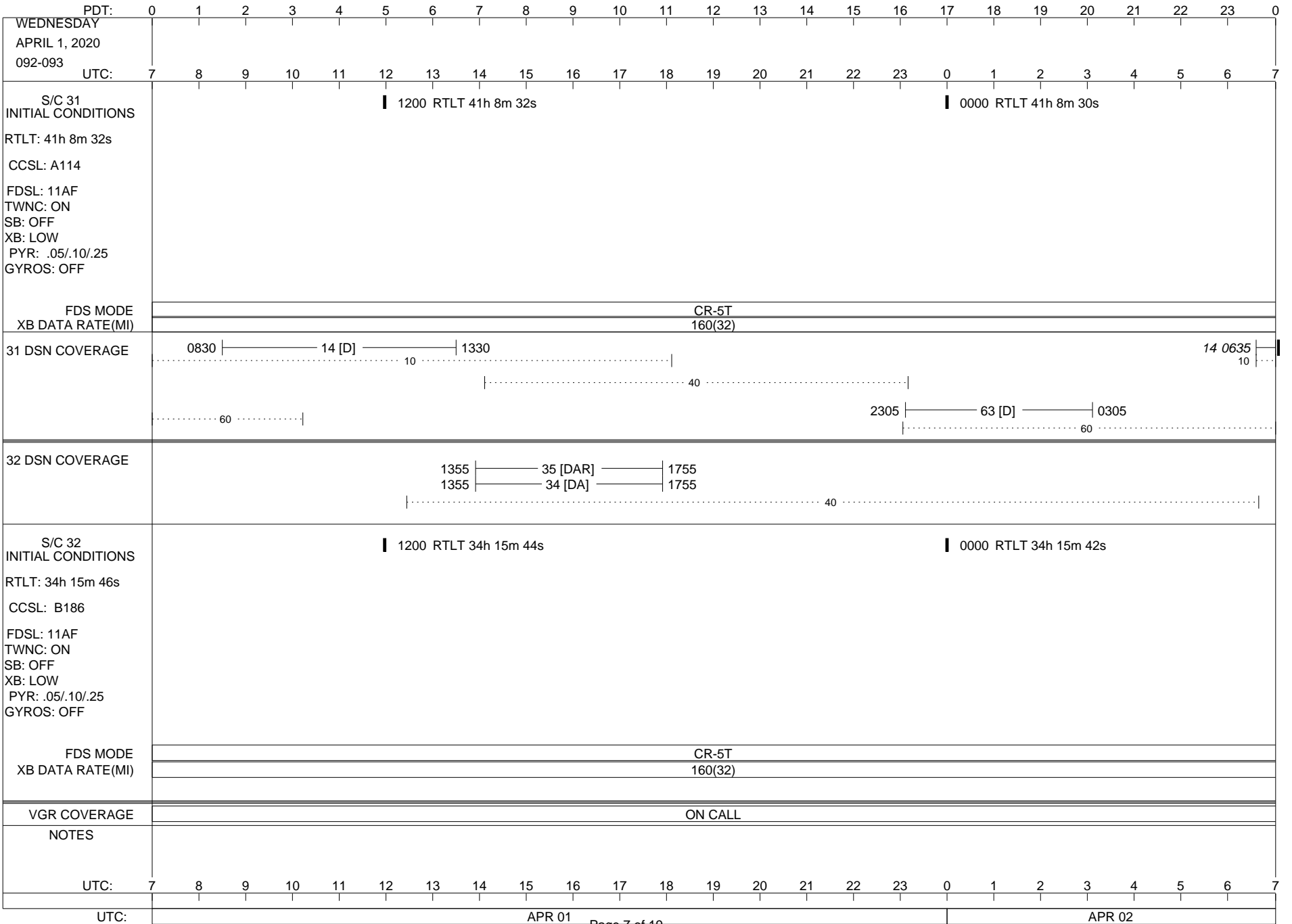
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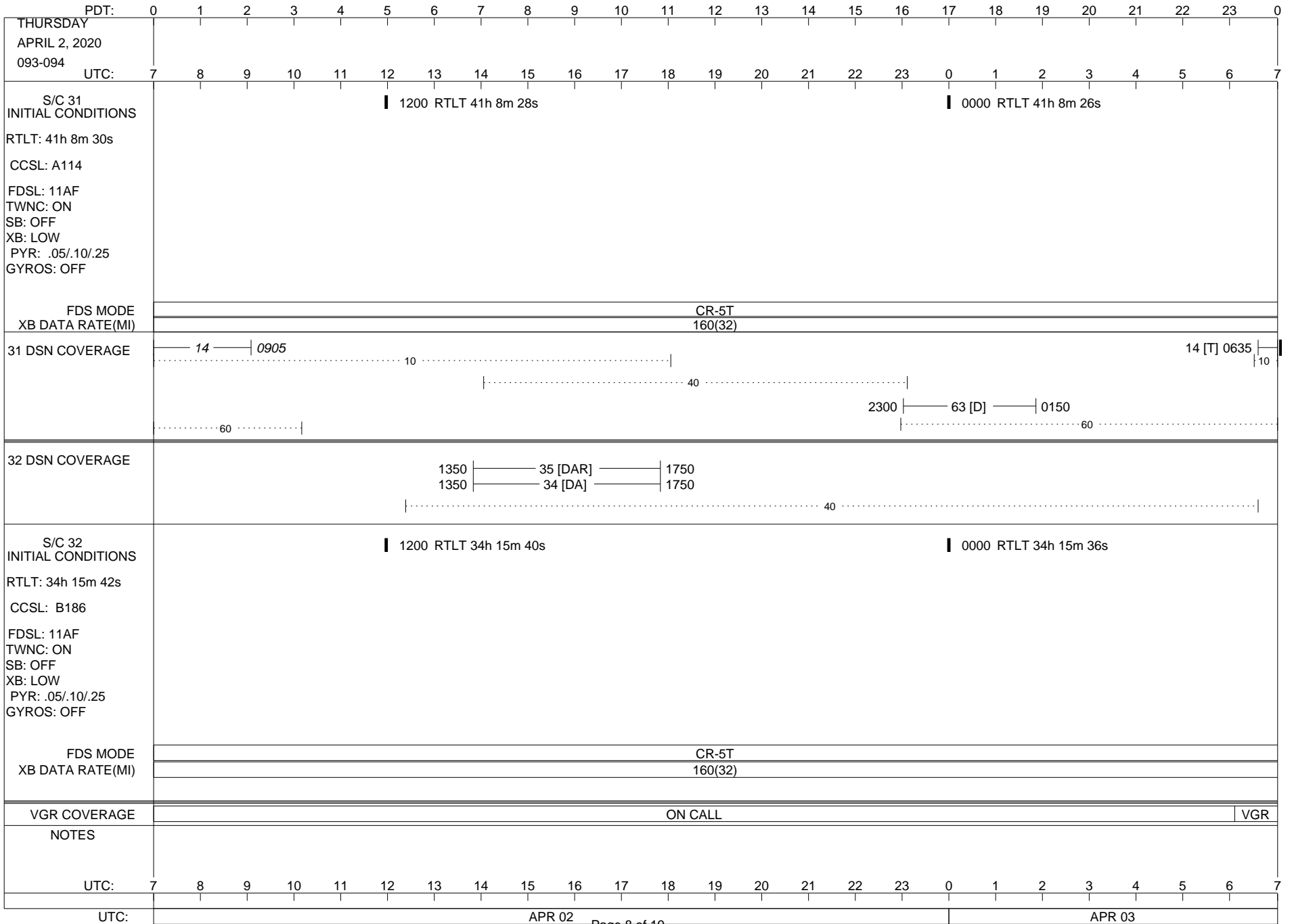


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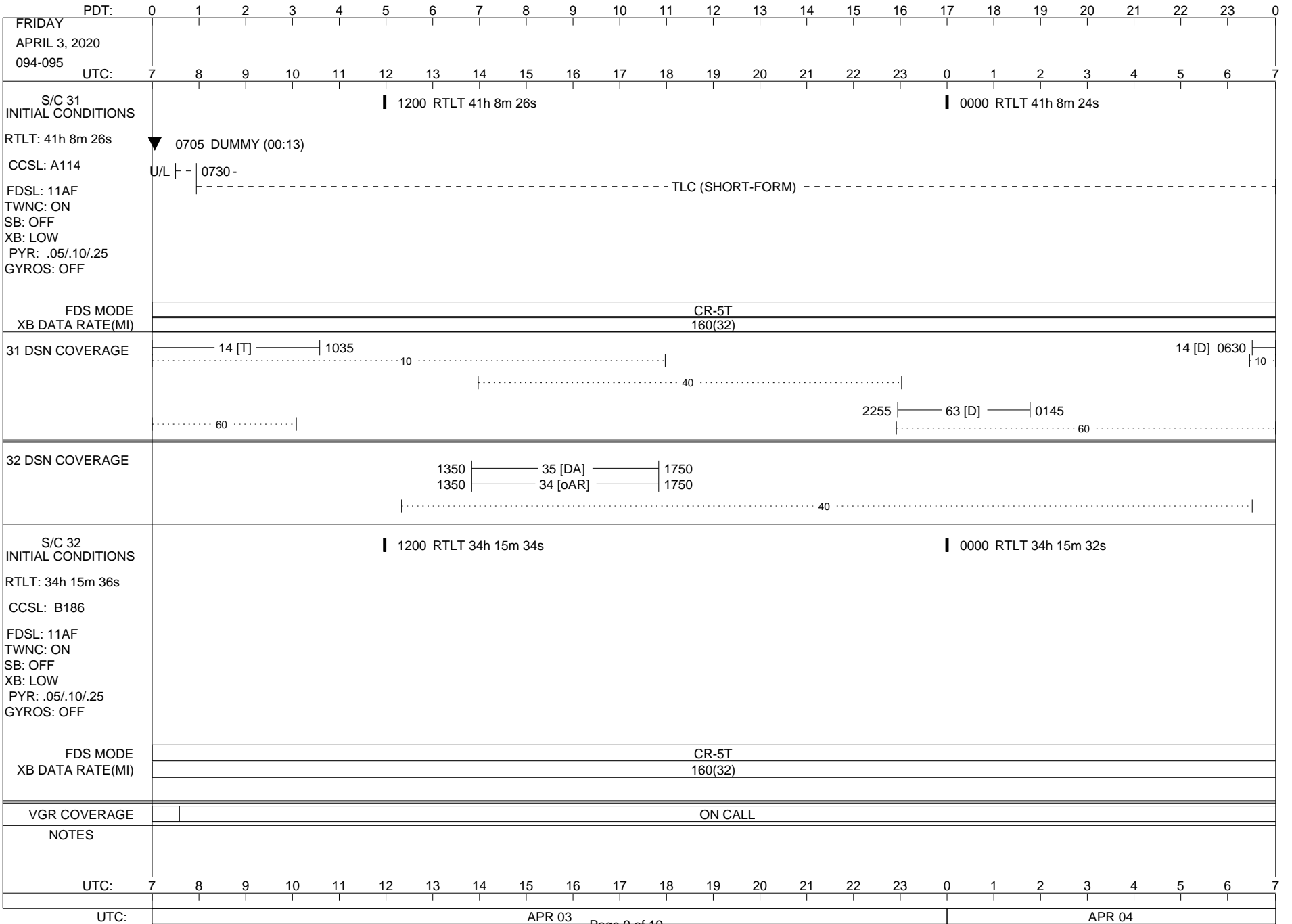




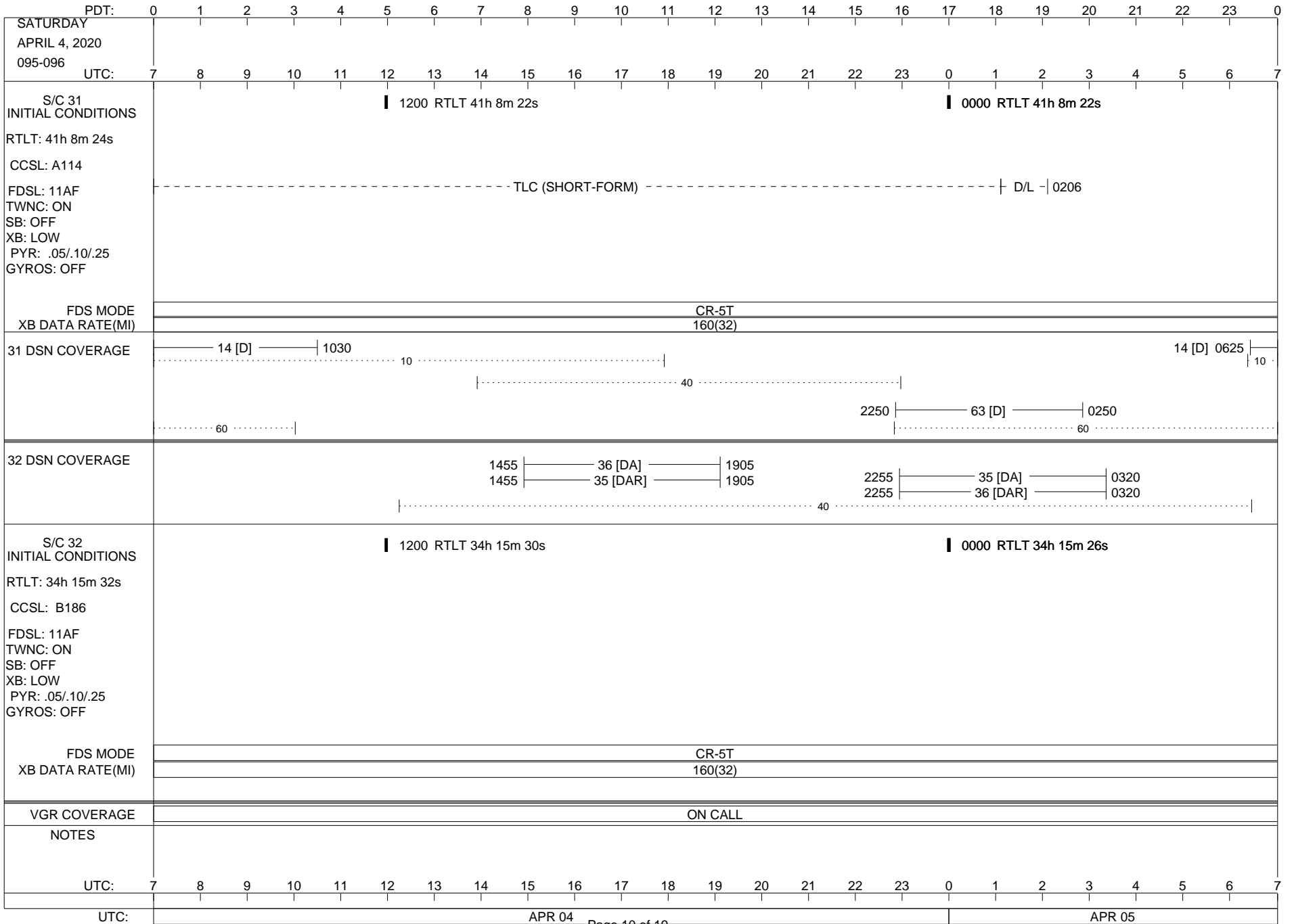
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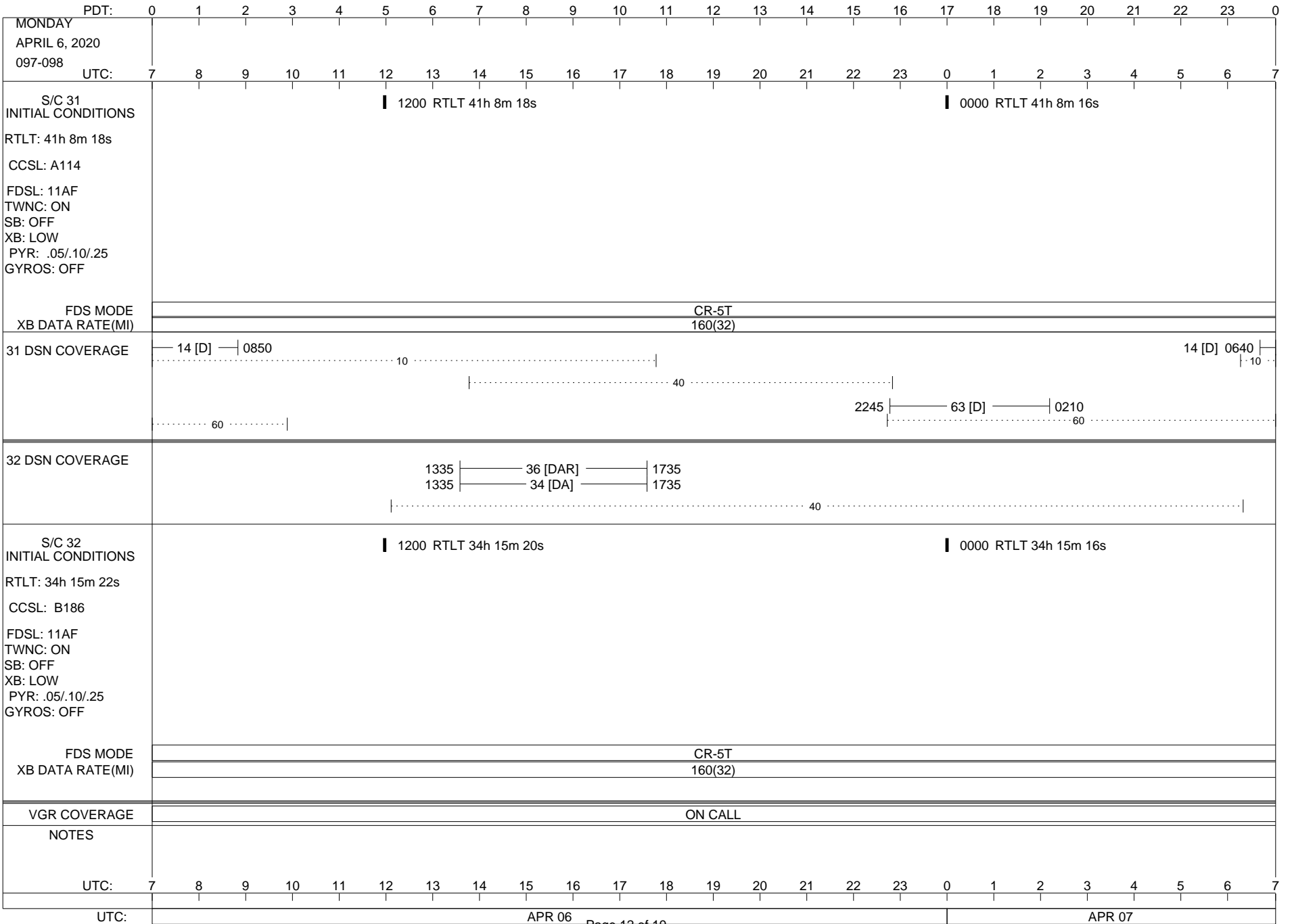
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ISSUE DATE: 03/31/20 13:20

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 APRIL 5, 2020 096-097																									
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: 41h 8m 22s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 41h 8m 20s												0000 RTLT 41h 8m 18s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 0930												14 [D] 0620												
	60												60												
32 DSN COVERAGE	1340 36 [DAR] 1715												1340 35 [DA] 1715												
	40												40												
S/C 32 INITIAL CONDITIONS RTLT: 34h 15m 26s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 15m 24s												0000 RTLT 34h 15m 22s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												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 05												APR 06												

ISSUE DATE: 03/31/20 13:20



ISSUE DATE: 03/31/20 13:20

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
TUESDAY APRIL 7, 2020 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 RTLT: 41h 8m 16s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 41h 8m 16s												0000 RTLT 41h 8m 14s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	14 [D] 0950												14 [D] 0610												
	60												2240 63 [D] 0240 60												
32 DSN COVERAGE	1330 36 [DAR] 1835												1330 34 [DA] 1835												
													40												
S/C 32 INITIAL CONDITIONS RTLT: 34h 15m 16s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 15m 14s												0000 RTLT 34h 15m 12s												
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 07												APR 08												

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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 8, 2020 099-100																												
S/C 31 INITIAL CONDITIONS RTLT: 41h 8m 14s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 41h 8m 12s												0000 RTLT 41h 8m 12s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	14 [D]   0840												0625   14 10 40 60 0000   63 [D]   0125 60															
32 DSN COVERAGE	1330   36 [DA]   1730 1330   35 [DAR]   1730												40															
S/C 32 INITIAL CONDITIONS RTLT: 34h 15m 12s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 15m 10s												0000 RTLT 34h 15m 6s															
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 08														APR 09													

ISSUE DATE: 03/31/20 13:20

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 APRIL 9, 2020

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

1200 RTLT 41h 8m 10s  
 0000 RTLT 41h 8m 10s

▼ 0718 EL-40 (00:26)  
 ▼ 0740 CCSL A115 (00:48)  
 ▼ 0821 CCSTIM F/C (01:30)  
 ▼ 0849 AHEL12 MRO, CR-5T (01:58)

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

31 DSN COVERAGE

14 1010 0550 14 [D] 10

10 40 2230 63 [D] 0230 60

32 DSN COVERAGE

1325 36 [DA] 1755  
 1325 35 [DAR] 1755

40

S/C 32  
 INITIAL CONDITIONS  
 RTLT: 34h 15m 6s  
 CCSL: B186  
 FDSL: 11AF  
 TWNC: ON  
 SB: OFF  
 XB: LOW  
 PYR: .05/.10/.25  
 GYROS: OFF

1200 RTLT 34h 15m 4s  
 0000 RTLT 34h 15m 2s

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

VGR COVERAGE VGR ON CALL

NOTES

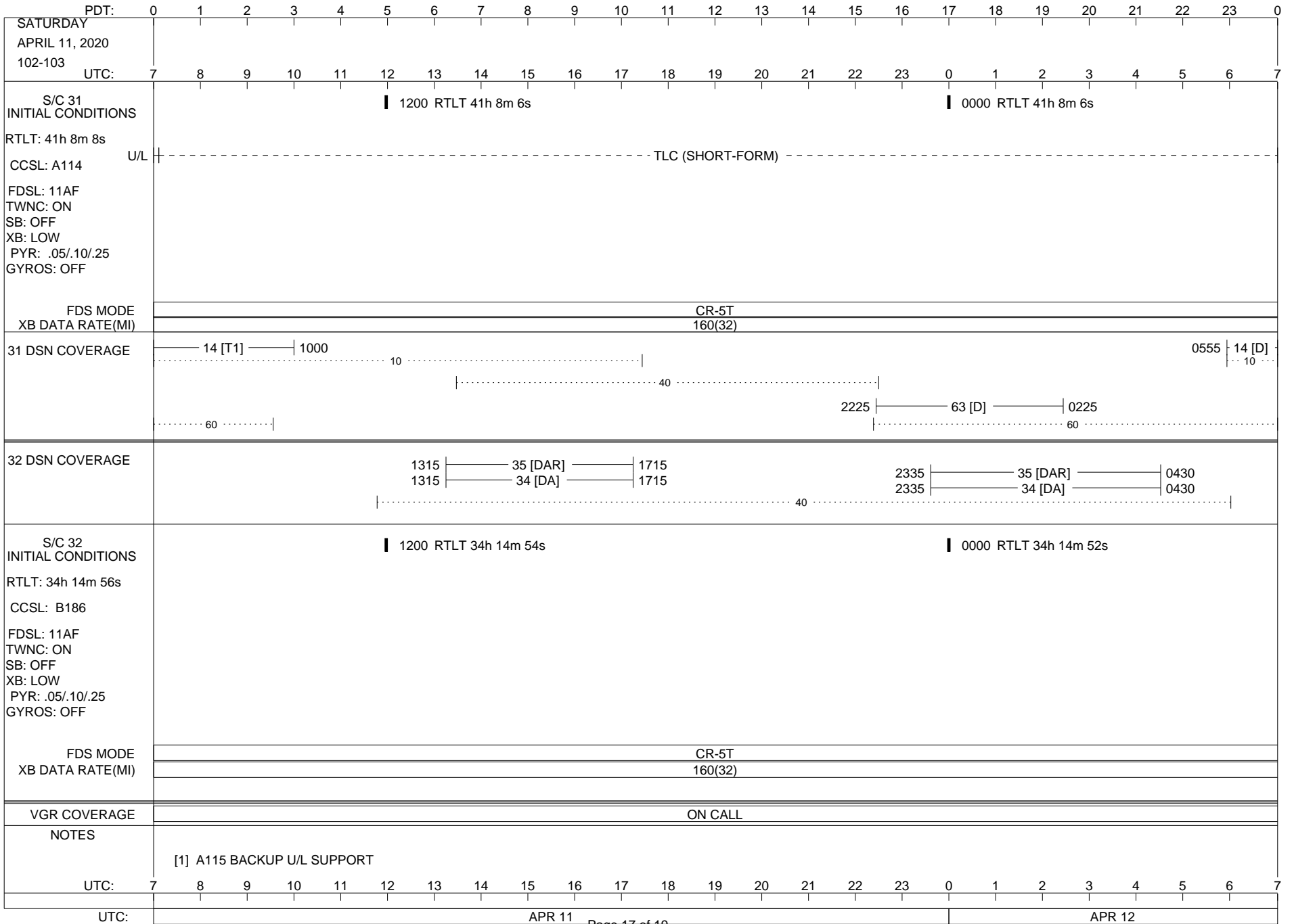
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

UTC: APR 09 APR 10

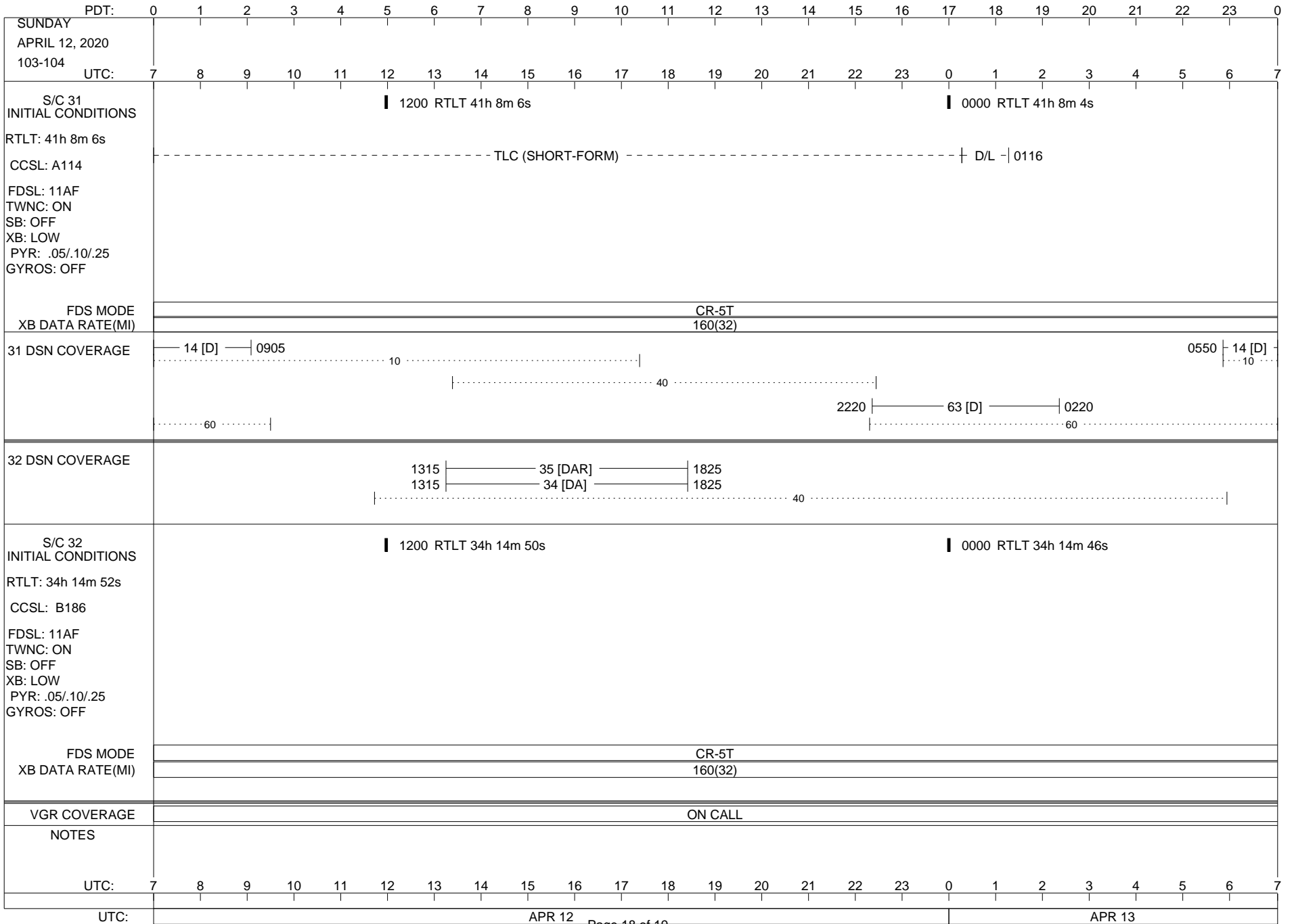


PDT:		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
<b>FRIDAY</b> APRIL 10, 2020 101-102																													
S/C 31 INITIAL CONDITIONS RTLT: 41h 8m 10s CCSL: A114 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 41h 8m 8s														0000 RTLT 41h 8m 8s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														EL-40 40(30)				CR-5T 160(32)									
31 DSN COVERAGE		<p>14 [D] 0910   14 [T1] 0615  </p> <p>60   2225   63 [D]   0225   60</p> <p>10   40   20   10</p>																											
32 DSN COVERAGE		<p>1335   35 [DAR]   1610</p> <p>1335   34 [oA]   1610</p> <p>40</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 34h 15m 2s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 34h 15m 0s														0000 RTLT 34h 14m 56s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																											
VGR COVERAGE		ON CALL														VGR				ON CALL									
NOTES		[1] S/C 31=EL-40 @ 0027 XB=40(30) [2] S/C 31=CR-5T @ 0202 XB=160(32)																											
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													

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