

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: September 2, 2020

For the Period: 09/03/20 to 09/21/20 (20/247– 20/265)



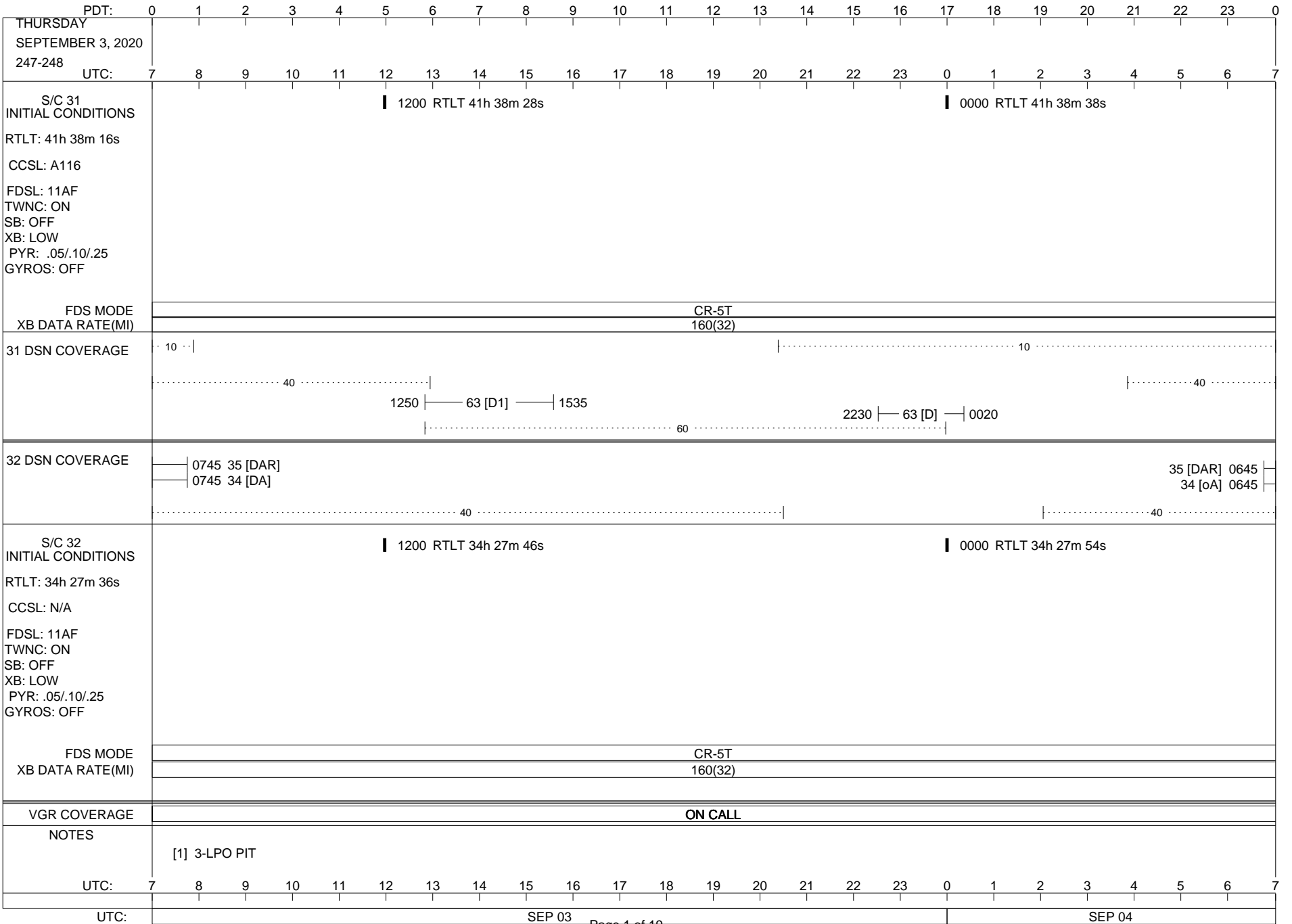
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

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

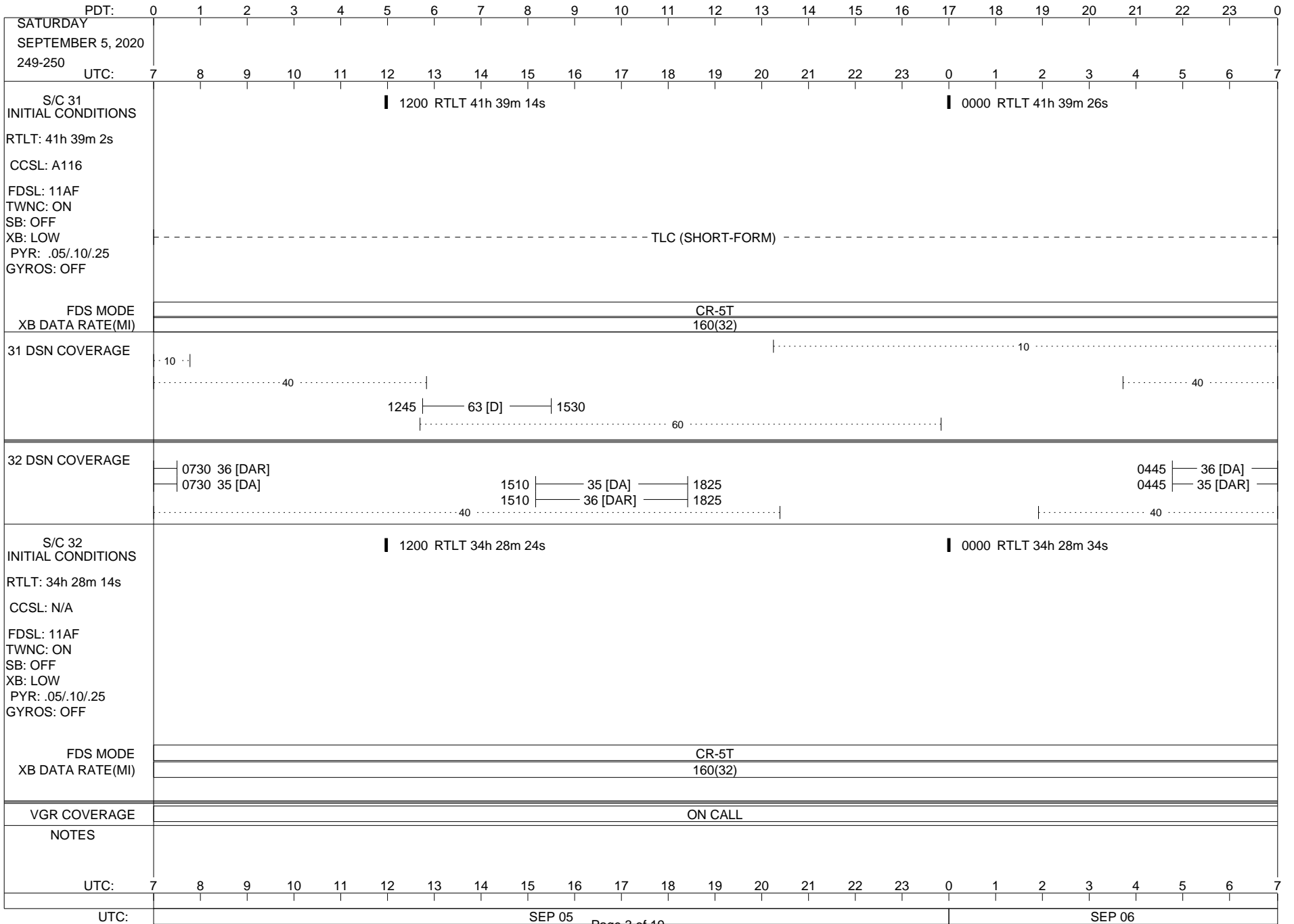
02/27/19

ISSUE DATE: 09/01/20 15:56

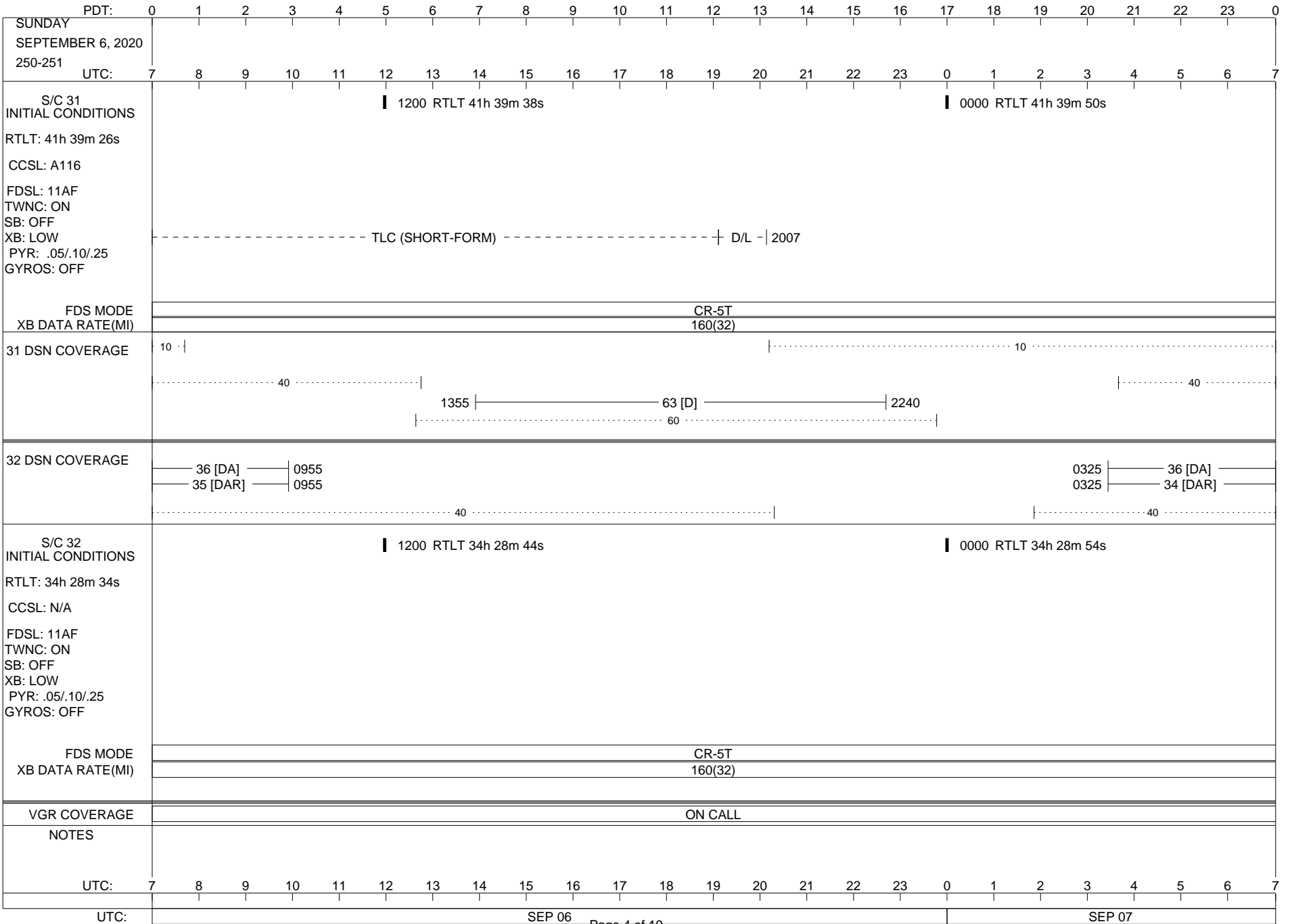


ISSUE DATE: 09/01/20 15:56

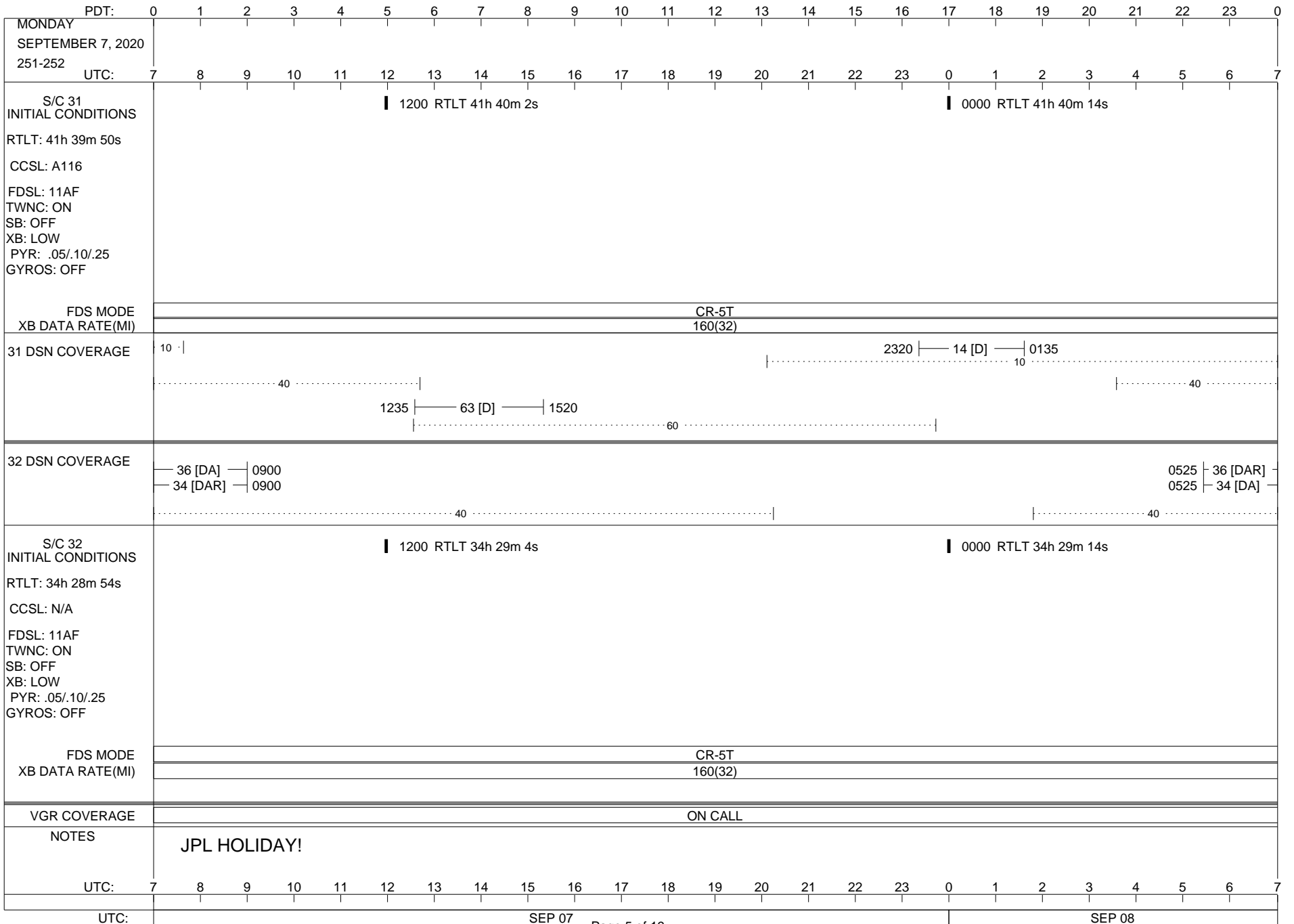
PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0	
FRIDAY SEPTEMBER 4, 2020 248-249	
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7	
S/C 31 INITIAL CONDITIONS RTLT: 41h 38m 38s CCSL: A116 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 41h 38m 50s 0000 RTLT 41h 39m 2s ▼ 0035 CCS DIAG (18:14) U/L 0100 - - - - - - TLC (SHORT-FORM) - - - - -
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE	10 2335 ----- 14 [T] ----- 0320 40 ----- 1630 ----- 63 [D] ----- 2345 60 ----- 40 -----
32 DSN COVERAGE	35 [DAR] ----- 1345 34 [oA] ----- 1345 40 ----- 0330 ----- 36 [DAR] ----- 0330 ----- 35 [DA] ----- 40 -----
S/C 32 INITIAL CONDITIONS RTLT: 34h 27m 54s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 28m 4s 0000 RTLT 34h 28m 14s
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: SEP 04 SEP 05	

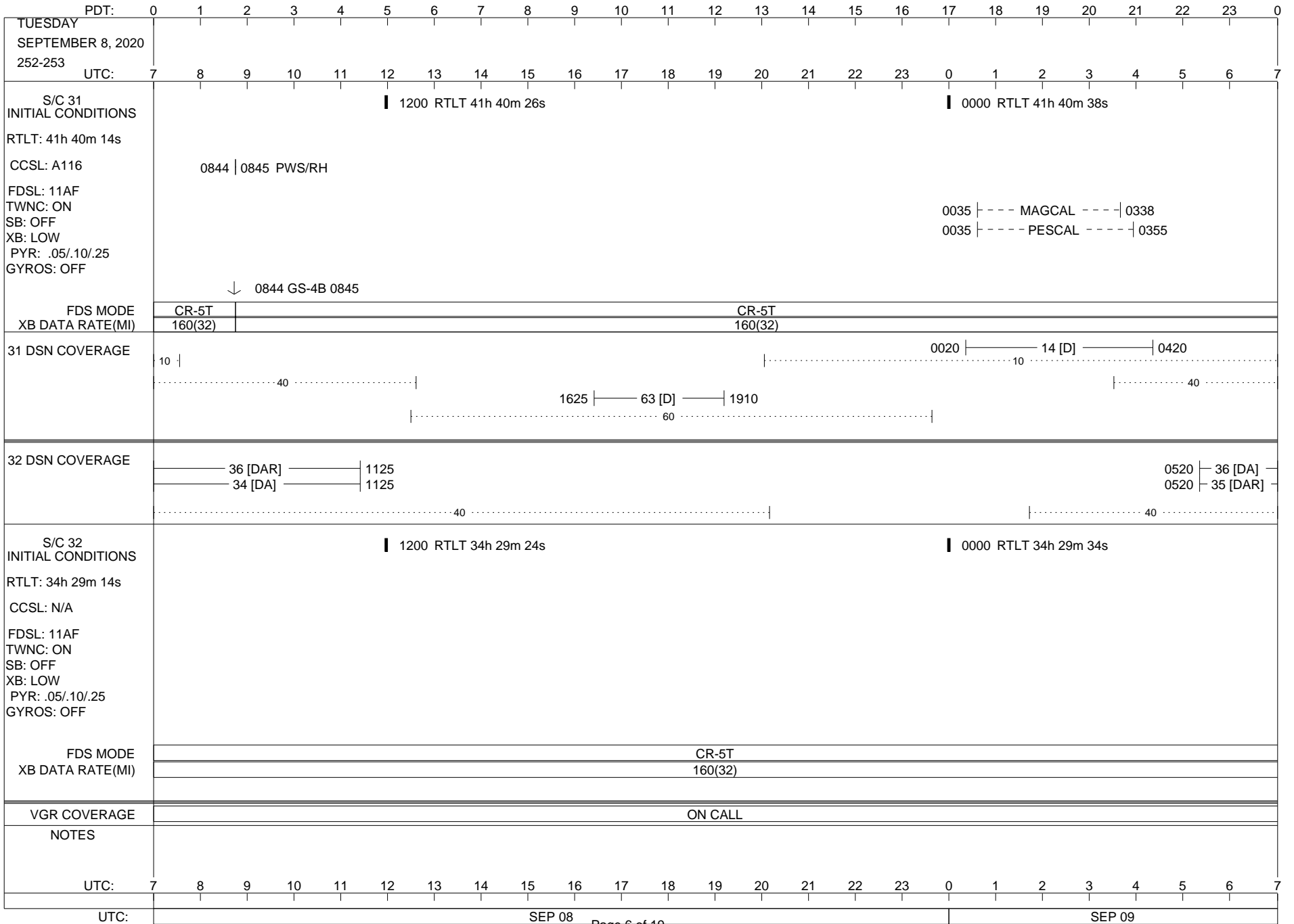


ISSUE DATE: 09/01/20 15:56



ISSUE DATE: 09/01/20 15:56





ISSUE DATE: 09/01/20 15:56

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
SEPTEMBER 9, 2020
253-254
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 40m 38s
CCSL: A116
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

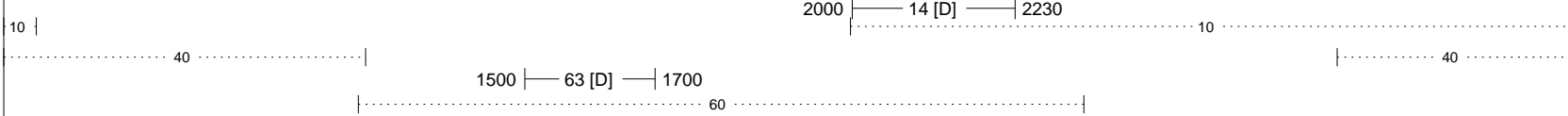
1200 RTLTL 41h 40m 50s

0000 RTLTL 41h 41m 0s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 34h 29m 34s
CCSL: N/A
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLTL 34h 29m 44s

0000 RTLTL 34h 29m 54s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

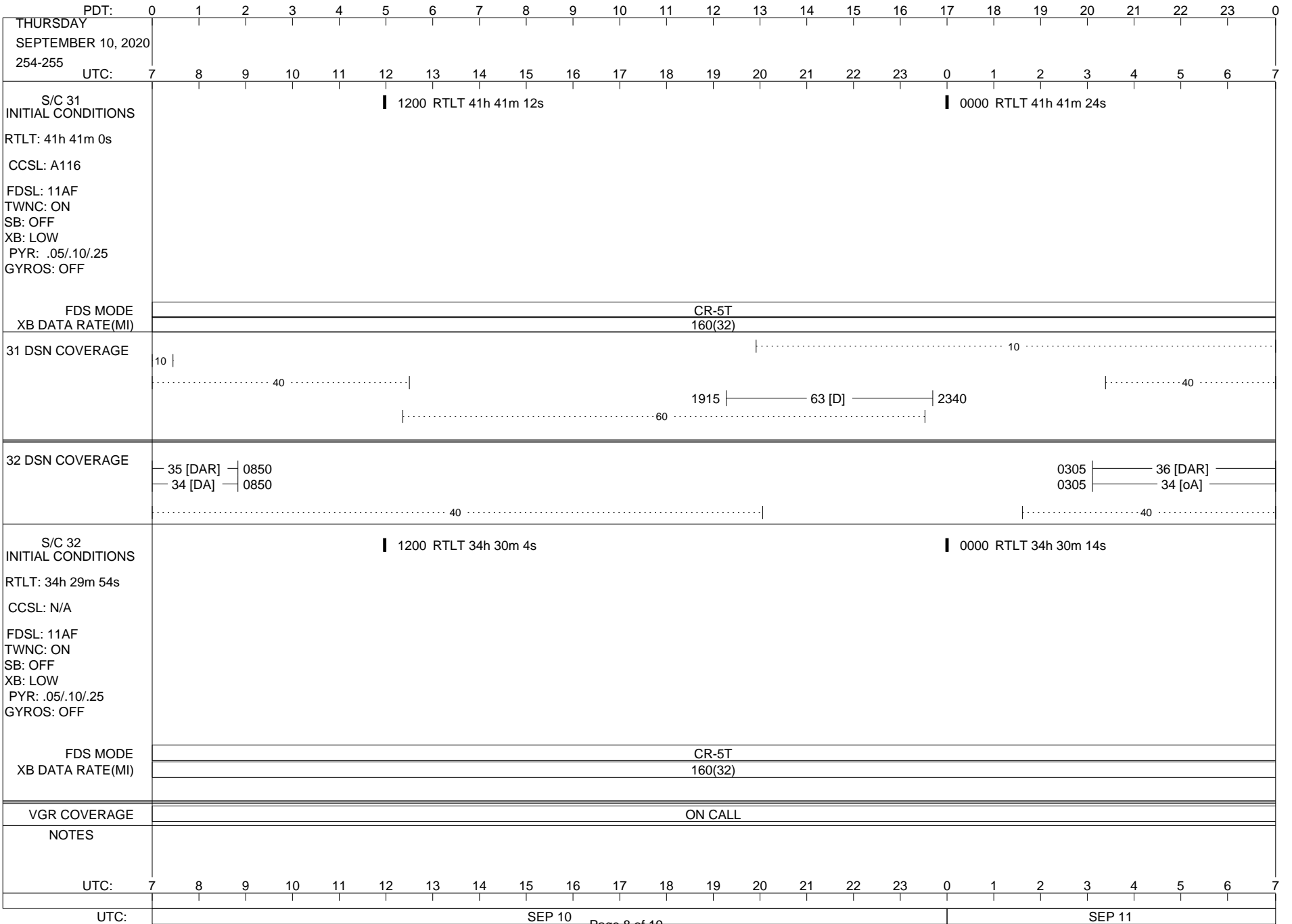
ON CALL

NOTES

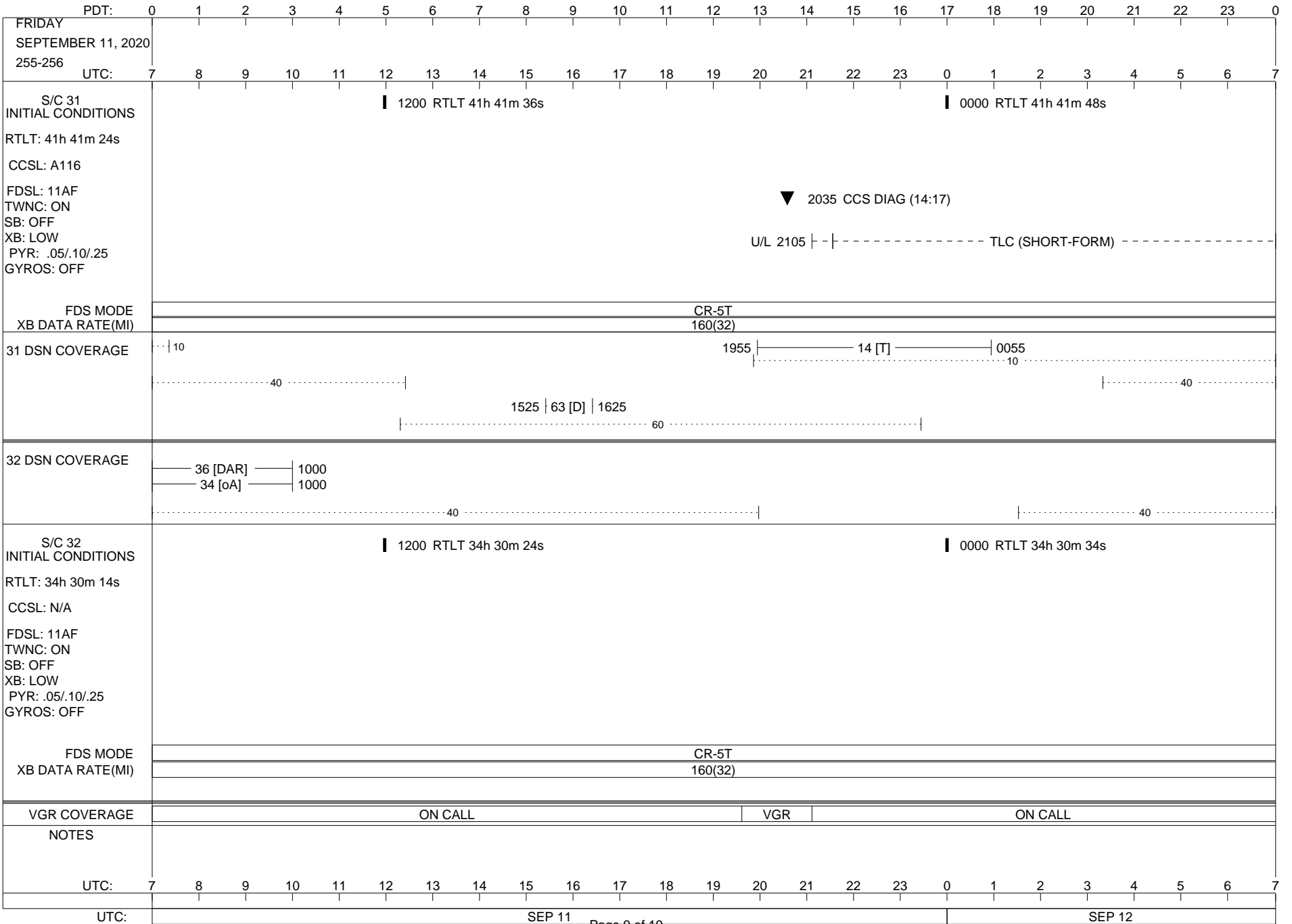
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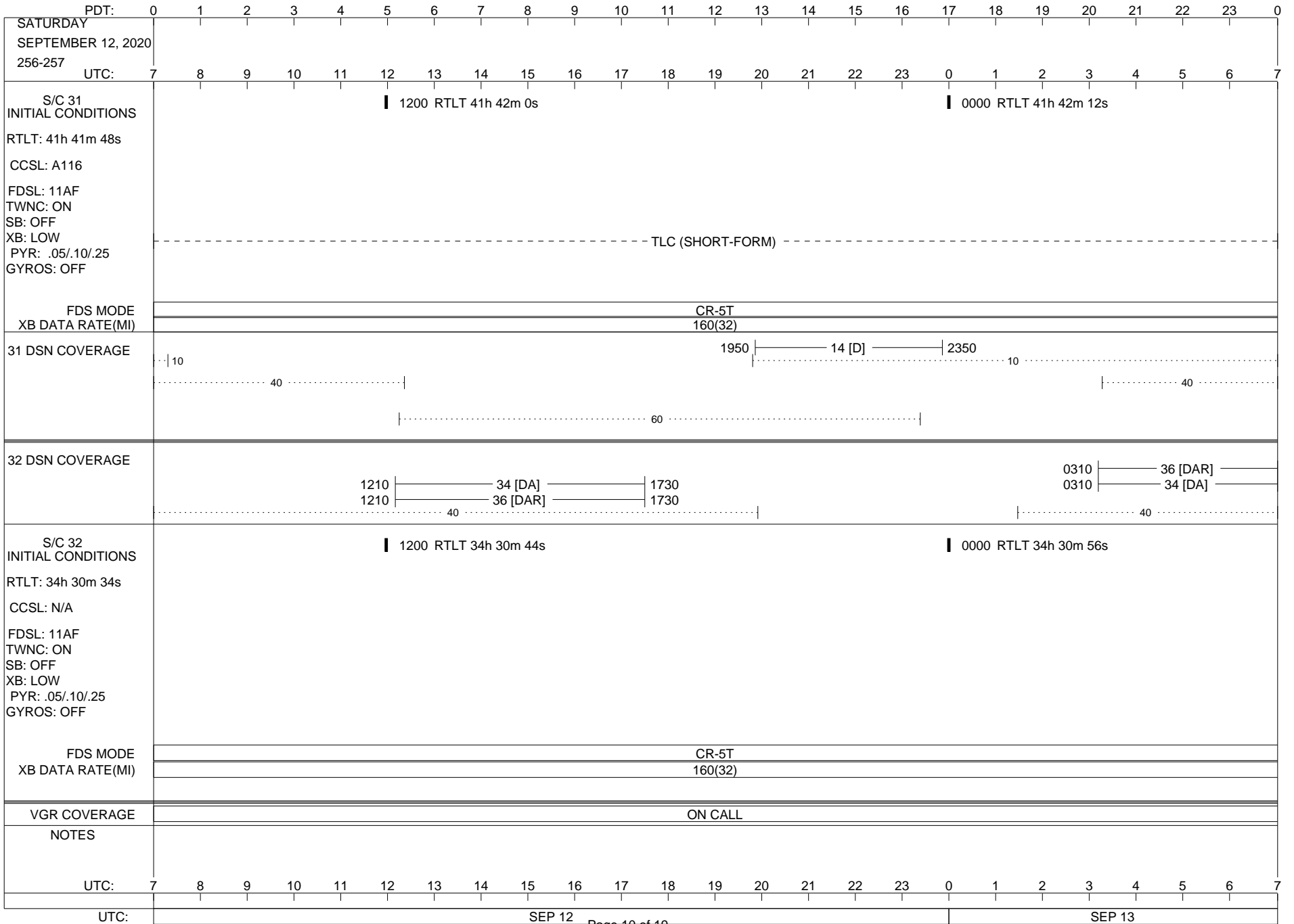
UTC: SEP 09 Page 7 of 19 SEP 10

ISSUE DATE: 09/01/20 15:56

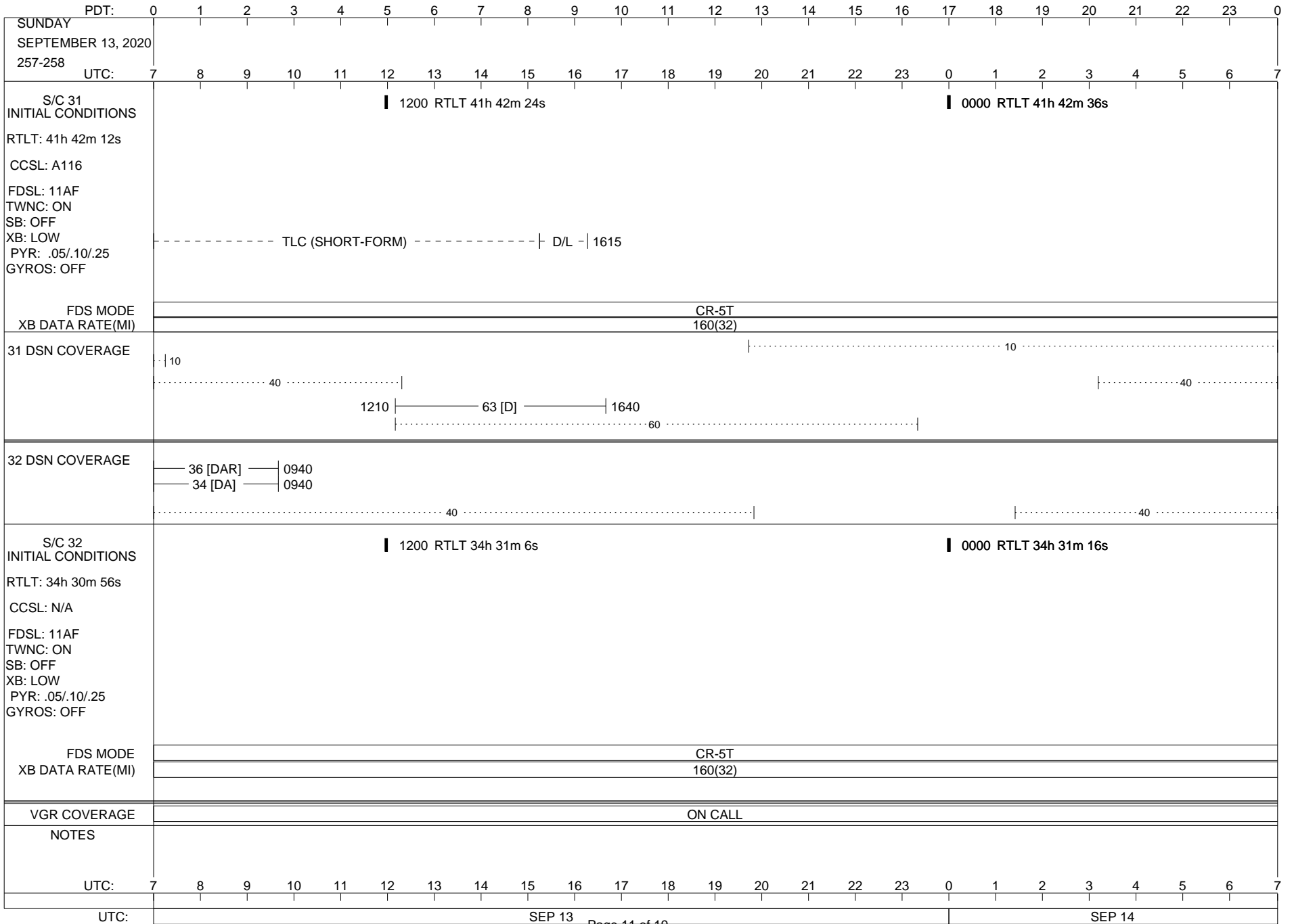


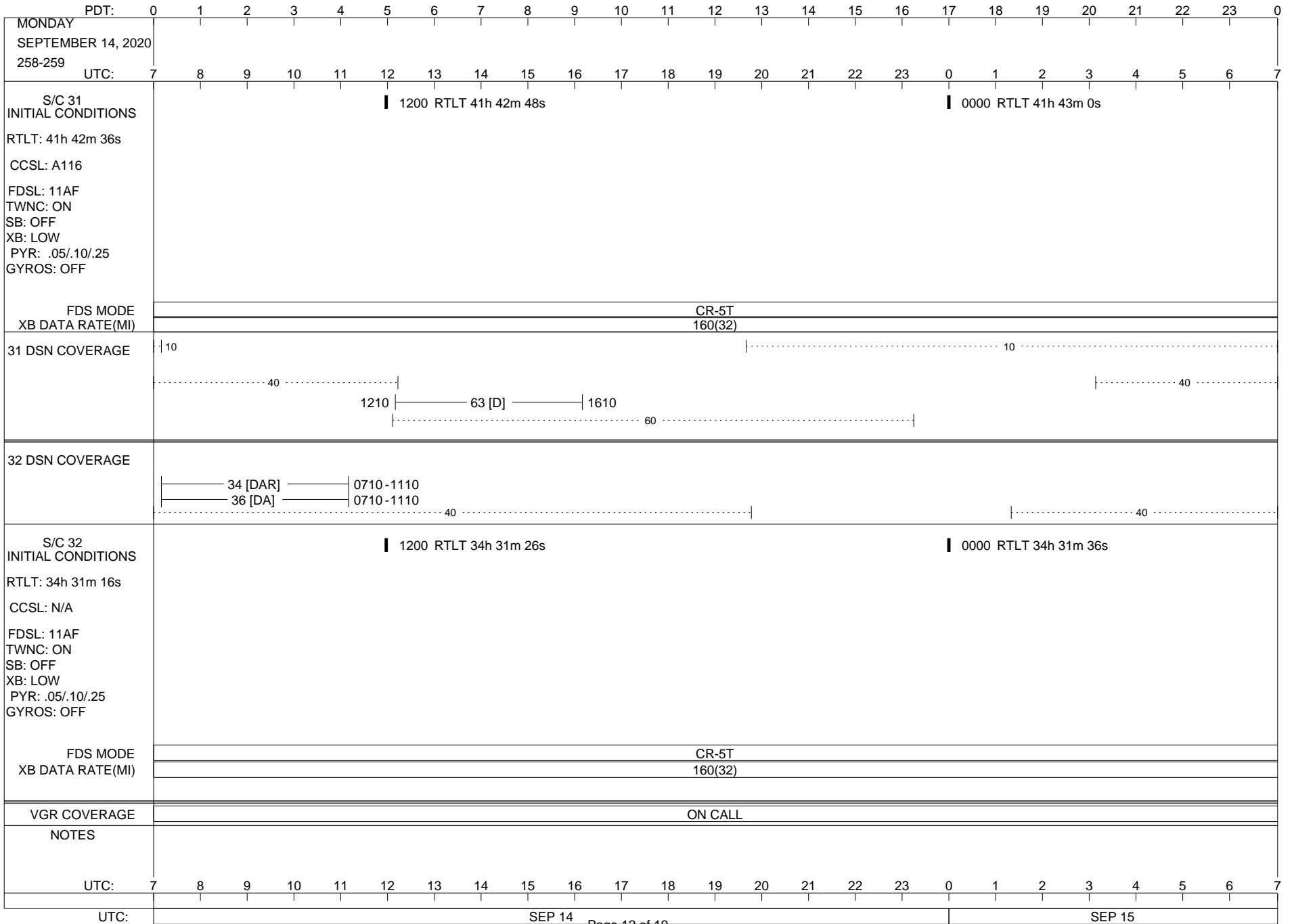
ISSUE DATE: 09/01/20 15:56





ISSUE DATE: 09/01/20 15:56





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 SEPTEMBER 15, 2020 259-260																										
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 43m 0s CCSL: A116 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 41h 43m 10s												█ 0000 RTLTL 41h 43m 22s													
	↓ 0821 GS-4B 0822																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	<p>Detailed description: This chart shows coverage for 31 DSN COVERAGE. The x-axis represents UTC from 07:00 to 07:00. The y-axis represents signal strength. Key features include: a signal starting at 07:10; a data rate of 63 [D] between 12:05 and 16:05; and a signal ending at 07:10. There are also dotted lines indicating coverage levels at 40 and 60.</p>																									
32 DSN COVERAGE	<p>Detailed description: This chart shows coverage for 32 DSN COVERAGE. The x-axis represents UTC from 07:00 to 07:00. The y-axis represents signal strength. Key features include: a signal starting at 11:45; a data rate of 34 [DA] between 11:45 and 16:15; a data rate of 35 [DAR] between 11:45 and 16:15; and a signal ending at 07:40. There are also dotted lines indicating coverage levels at 40.</p>																									
S/C 32 INITIAL CONDITIONS RTLTL: 34h 31m 36s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 34h 31m 48s												█ 0000 RTLTL 34h 31m 58s													
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:	SEP 15												SEP 16													

ISSUE DATE: 09/01/20 15:56

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
SEPTEMBER 16, 2020
260-261

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 43m 22s
CCSL: A116
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLTL 41h 43m 34s

0000 RTLTL 41h 43m 46s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 34h 31m 58s
CCSL: N/A
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLTL 34h 32m 8s

0000 RTLTL 34h 32m 18s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

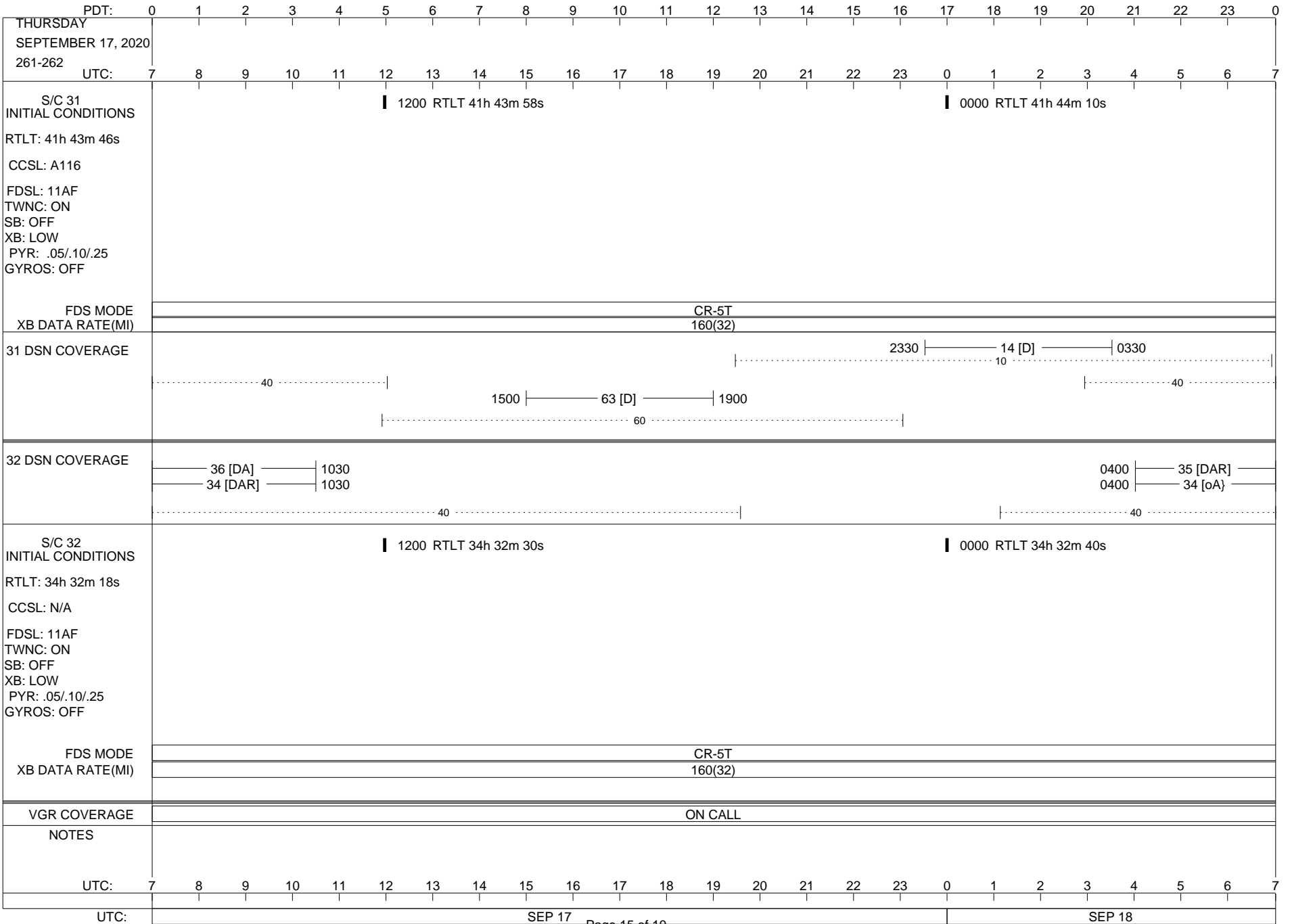
VGR COVERAGE

ON CALL

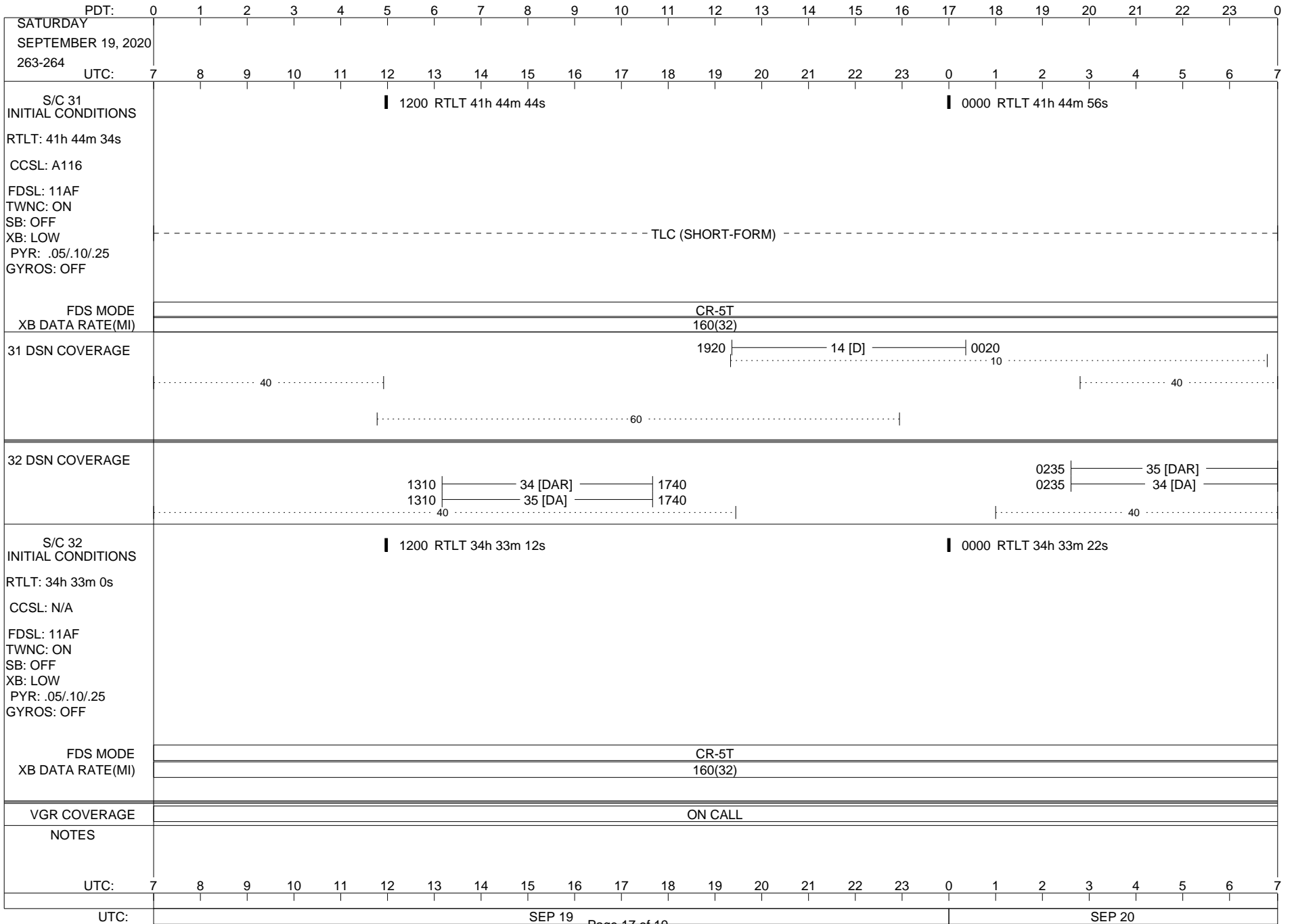
NOTES

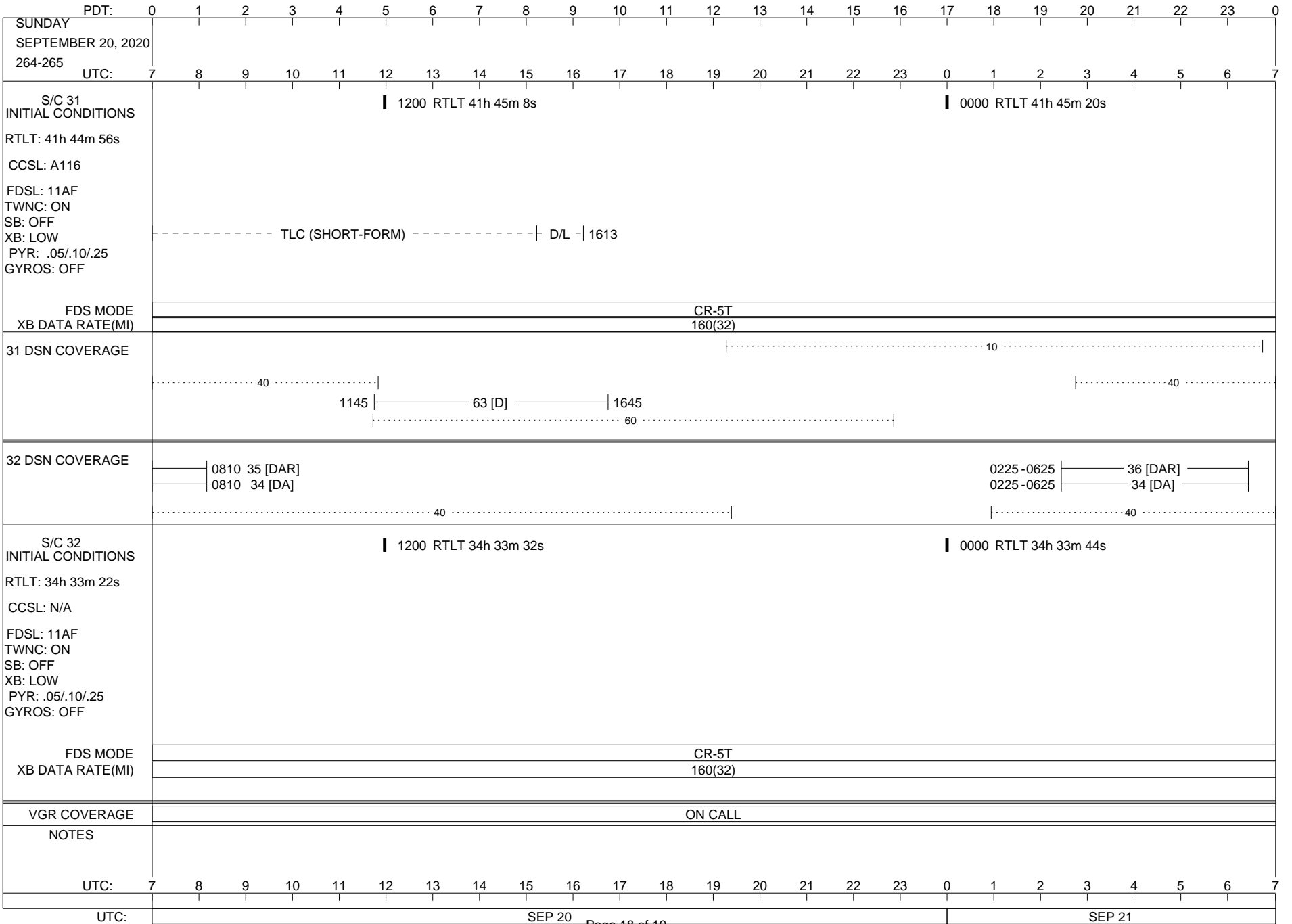
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

UTC: SEP 16 Page 14 of 19 SEP 17



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 SEPTEMBER 18, 2020 262-263																													
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 44m 10s CCSL: A116 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 41h 44m 22s												0000 RTLT 41h 44m 34s															
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)															
31 DSN COVERAGE														1925 ----- 14 [T] ----- 2325 ----- 10 ----- ----- 40 ----- ----- 60 -----															
32 DSN COVERAGE		35 [DAR] 0825 34 [oA] 0825												0235 ----- 36 [DAR] ----- 0600 0235 ----- 34 [DA] ----- 0600 ----- 40 ----- ----- 40 -----															
S/C 32 INITIAL CONDITIONS RTLT: 34h 32m 40s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 34h 32m 50s												0000 RTLT 34h 33m 0s															
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:		SEP 18														SEP 19													





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
MONDAY SEPTEMBER 21, 2020 265-266																									
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 45m 20s CCSL: A116 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;"> 1200 RTLT 41h 45m 32s</p>																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	<p style="text-align: center;">2030 14 [D] 2135</p> <p style="text-align: center;">.....40..... </p> <p style="text-align: center;">60..... </p>																								
32 DSN COVERAGE	<p style="text-align: center;">.....40..... </p>																								
S/C 32 INITIAL CONDITIONS RTLT: 34h 33m 44s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;"> 1200 RTLT 34h 33m 54s</p>																								
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:	SEP 21												SEP 22												