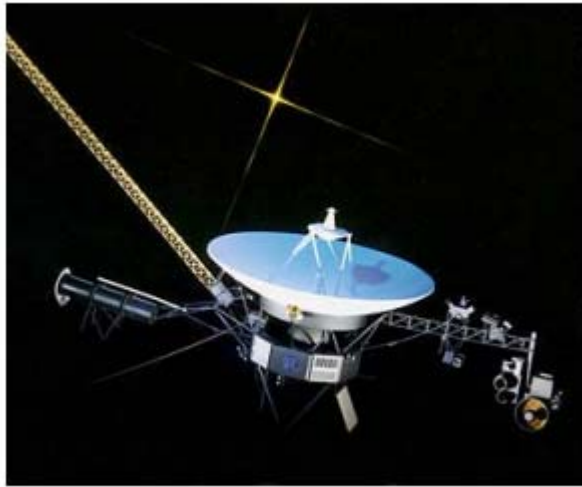


# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: September 30, 2020

For the Period: 10/01/20 to 10/19/20 (20/275– 20/293)

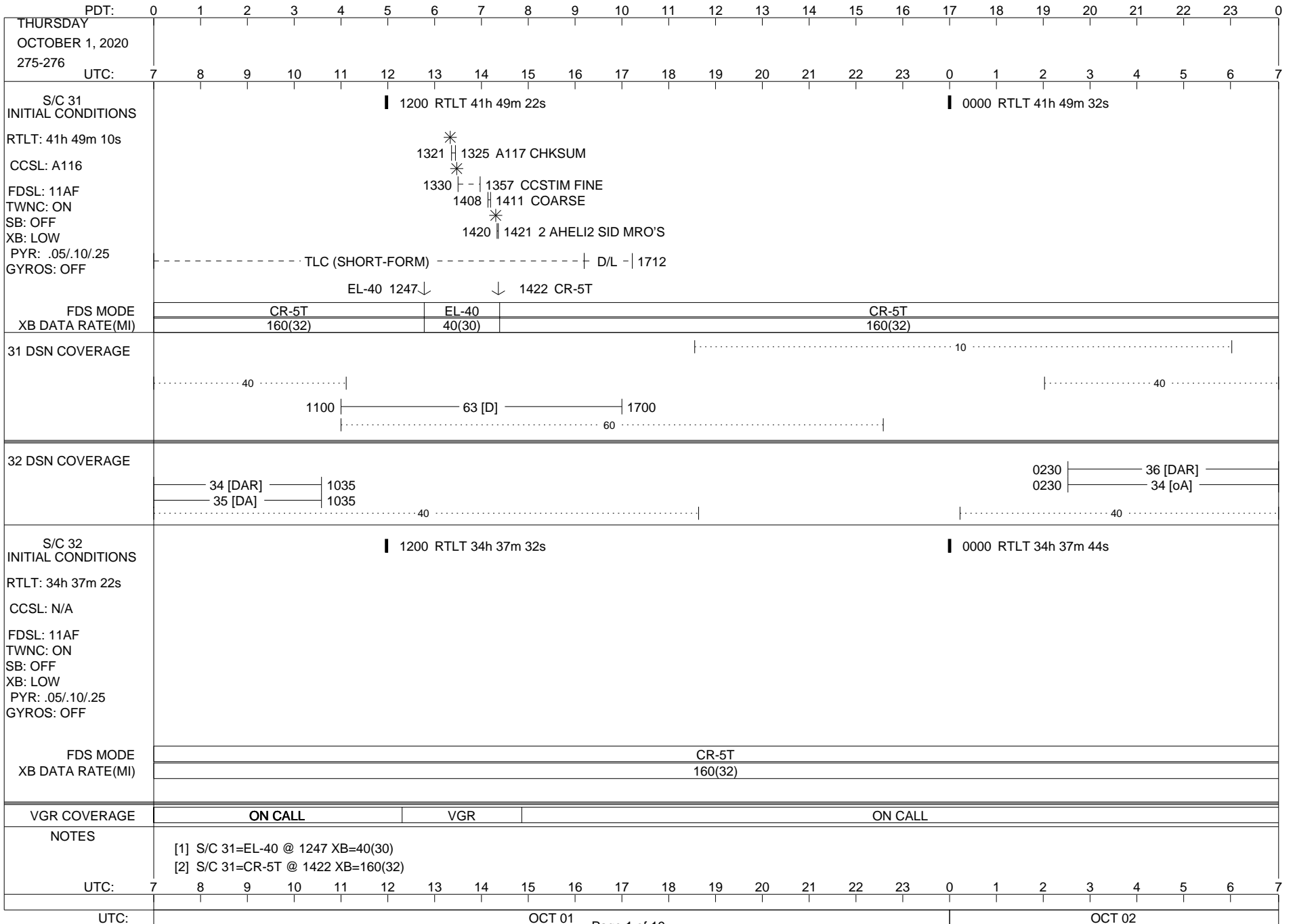


Posted at <https://voyager.jpl.nasa.gov/mission/status/>

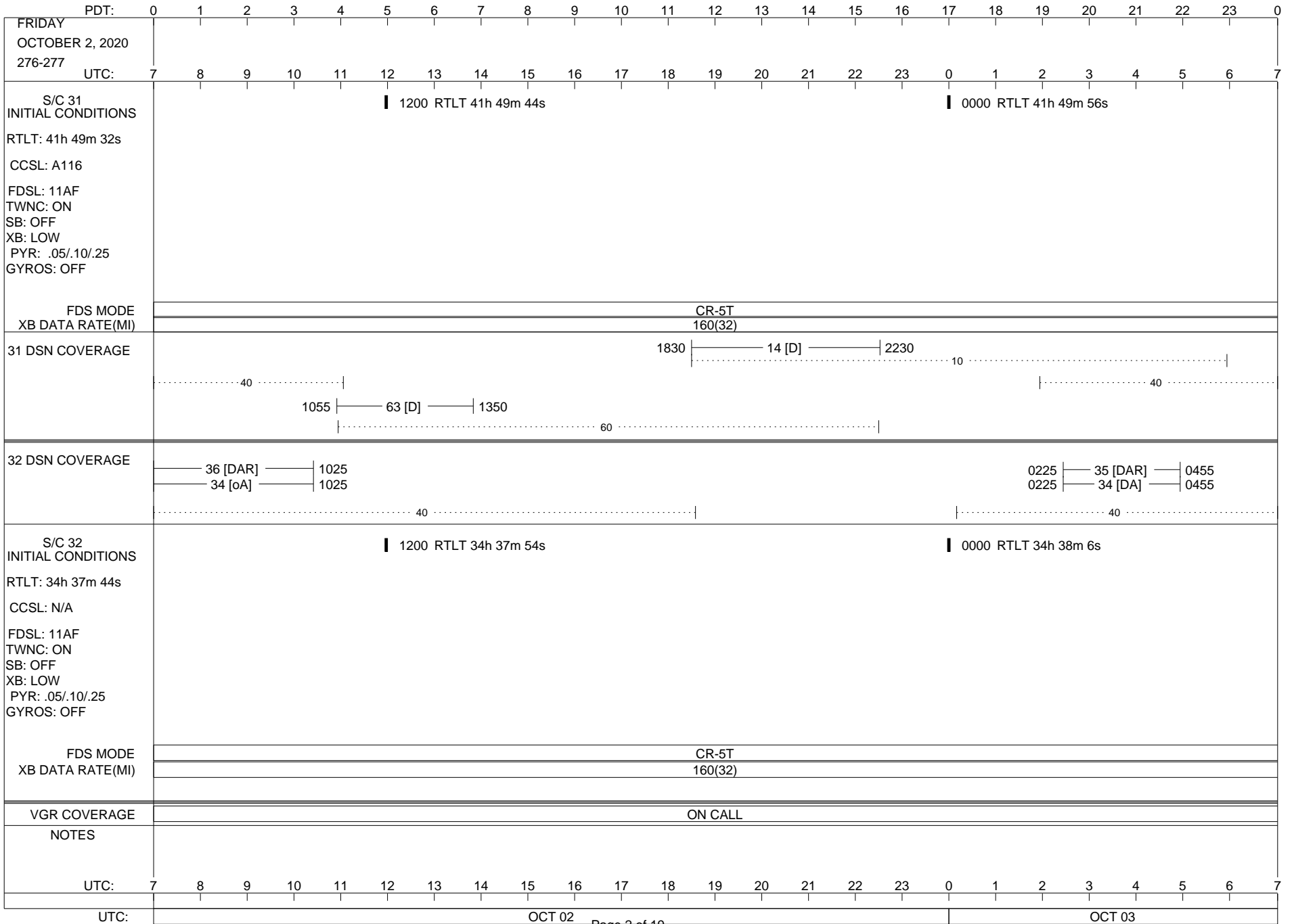
**LEGEND:**

- ▽ = 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

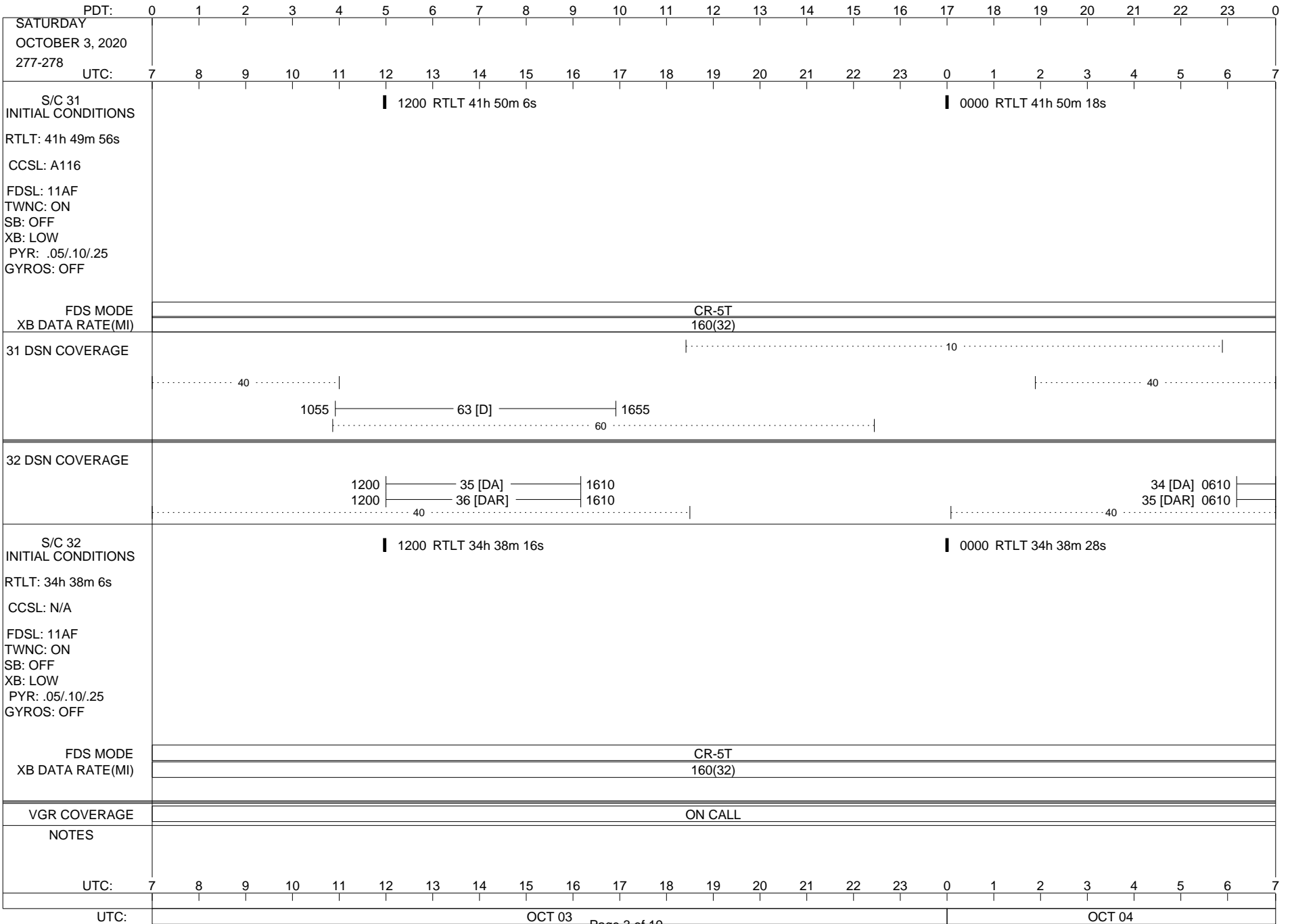
02/27/19



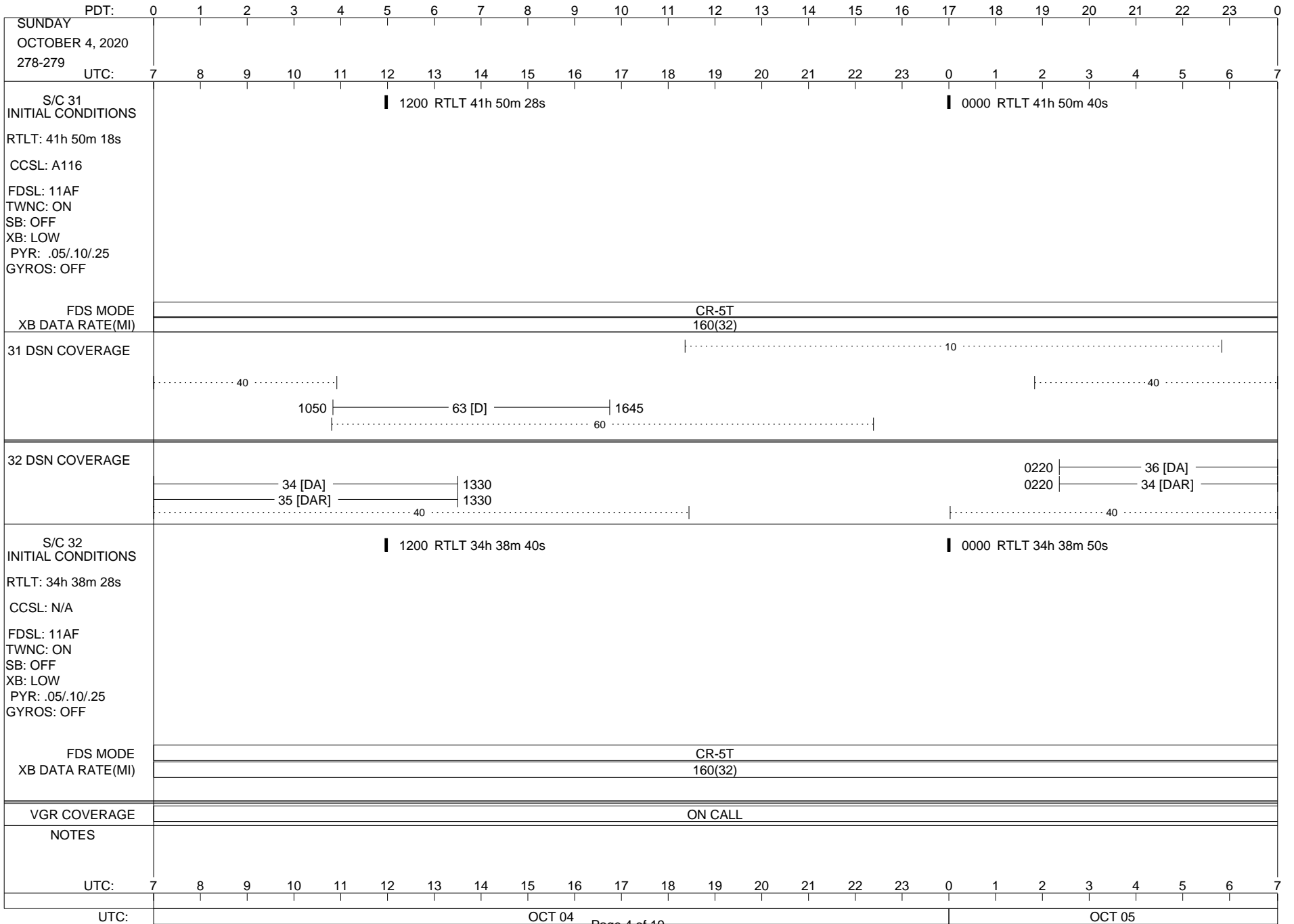
ISSUE DATE: 09/30/20 08:00



ISSUE DATE: 09/30/20 08:00



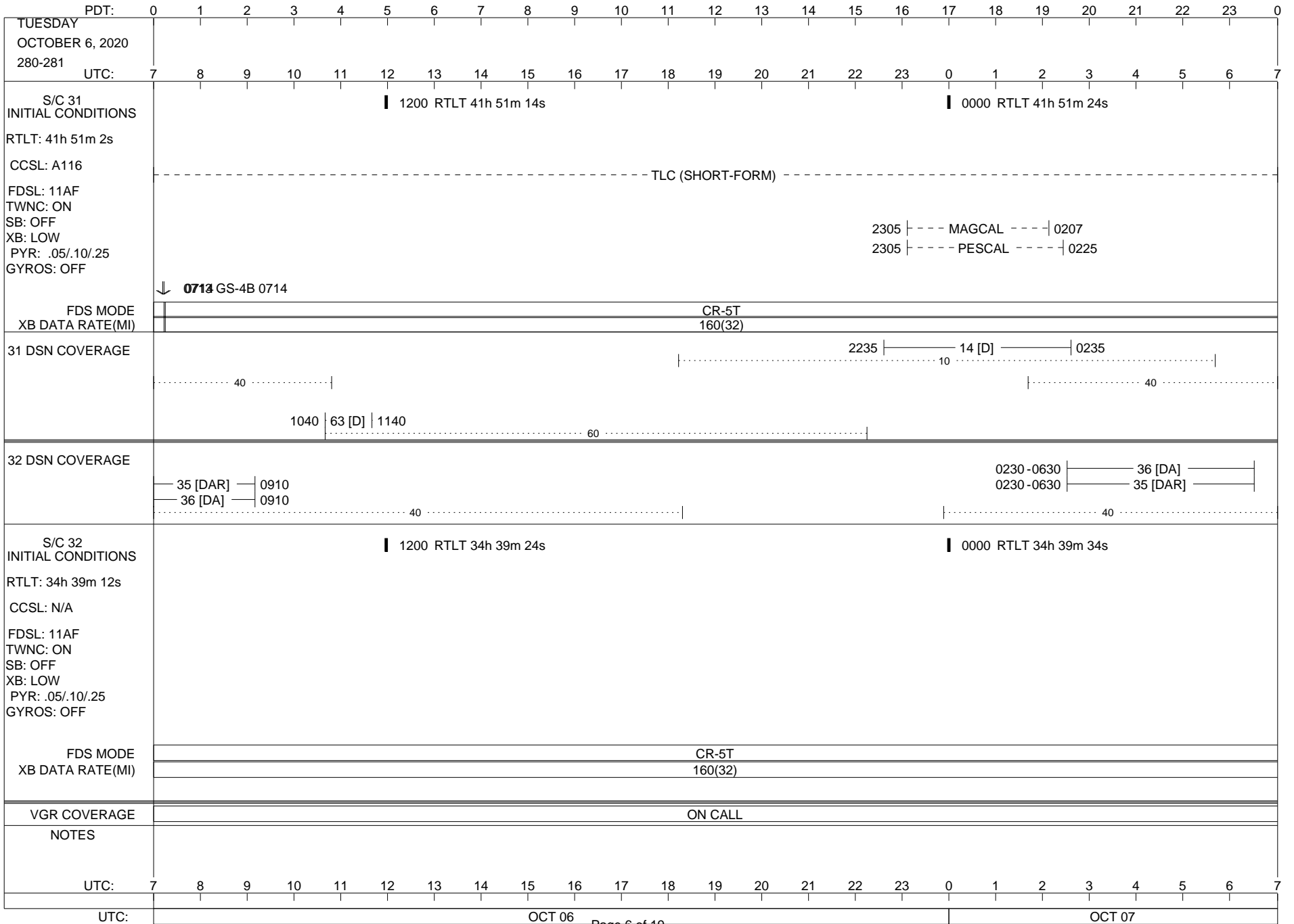
ISSUE DATE: 09/30/20 08:00



ISSUE DATE: 09/30/20 08:00

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 OCTOBER 5, 2020 279-280																										
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 50m 40s CCSL: A116 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 41h 50m 52s												█ 0000 RTLT 41h 51m 2s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	.....40.....												1820  ----- 14 [T1] -----  2220													
	1045   63 [D]   1145												.....40.....													
	----- 60 -----																									
32 DSN COVERAGE	----- 0805 36 [DA]												0215  ----- 35 [DAR]													
	----- 0805 34 [DAR]												0215  ----- 36 [DA]													
	.....40.....												----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLT: 34h 38m 50s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 34h 39m 2s												█ 0000 RTLT 34h 39m 12s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] A117 BACKUP U/L TRACK																									
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:	OCT 05													OCT 06												

ISSUE DATE: 09/30/20 08:00



ISSUE DATE: 09/30/20 08:00

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  
OCTOBER 7, 2020  
281-282

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 51m 24s  
CCSL: A116  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/10/25  
GYROS: OFF

1200 RTLTL 41h 51m 36s

0000 RTLTL 41h 51m 46s

TLC (SHORT-FORM) -----| D/L -| 1614

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

31 DSN COVERAGE

1810 | 14 [D] | 1910

40

10

40

1240 |----- 63 [D] -----| 1635

60

32 DSN COVERAGE

0240-0650 |----- 35 [DAR] -----|  
0240-0650 |----- 34 [DA] -----|

40

40

S/C 32  
INITIAL CONDITIONS  
RTLTL: 34h 39m 34s  
CCSL: N/A  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/10/25  
GYROS: OFF

1200 RTLTL 34h 39m 46s

0000 RTLTL 34h 39m 58s

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: OCT 07 Page 7 of 19 OCT 08



ISSUE DATE: 09/30/20 08:00

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  
OCTOBER 8, 2020  
282-283

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 51m 46s  
CCSL: A116  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLTL 41h 51m 58s

0000 RTLTL 41h 52m 8s

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32  
INITIAL CONDITIONS  
RTLTL: 34h 39m 58s  
CCSL: N/A  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLTL 34h 40m 8s

0000 RTLTL 34h 40m 20s

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

VGR COVERAGE

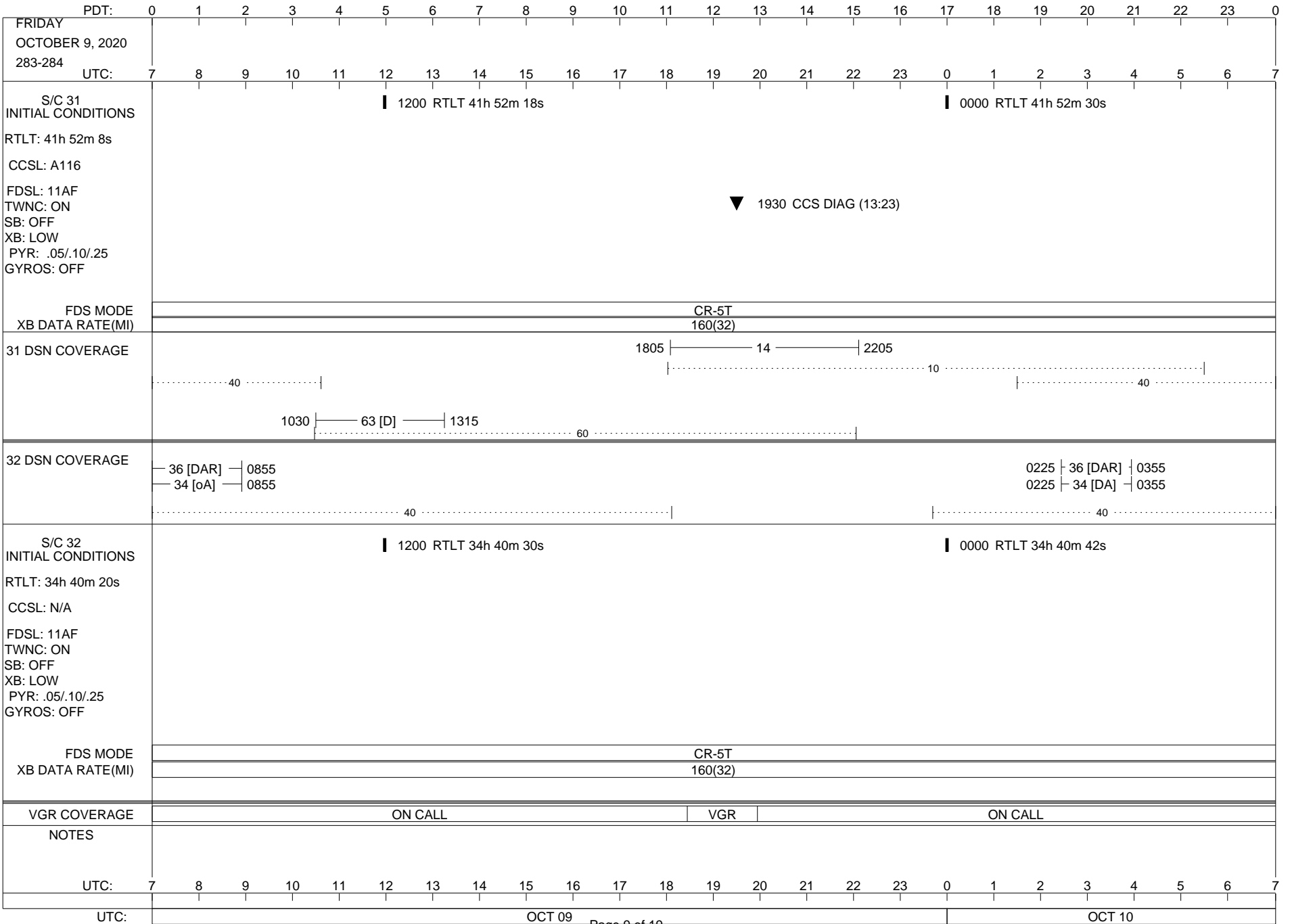
ON CALL

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: OCT 08 Page 8 of 19 OCT 09

ISSUE DATE: 09/30/20 08:00



ISSUE DATE: 09/30/20 08:00

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

SATURDAY  
OCTOBER 10, 2020  
284-285

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 52m 30s  
CCSL: A116  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLTL 41h 52m 40s

0000 RTLTL 41h 52m 52s

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

31 DSN COVERAGE

1800 | 14 [D] | 1900

40

10

1025

63 [D]

1425

40

60

32 DSN COVERAGE

1135

34 [DA]

1545

35 [DAR] 0635

1135

35 [DAR]

1545

36 [DA] 0635

40

40

S/C 32  
INITIAL CONDITIONS  
RTLTL: 34h 40m 42s  
CCSL: N/A  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLTL 34h 40m 52s

0000 RTLTL 34h 41m 4s

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

VGR COVERAGE

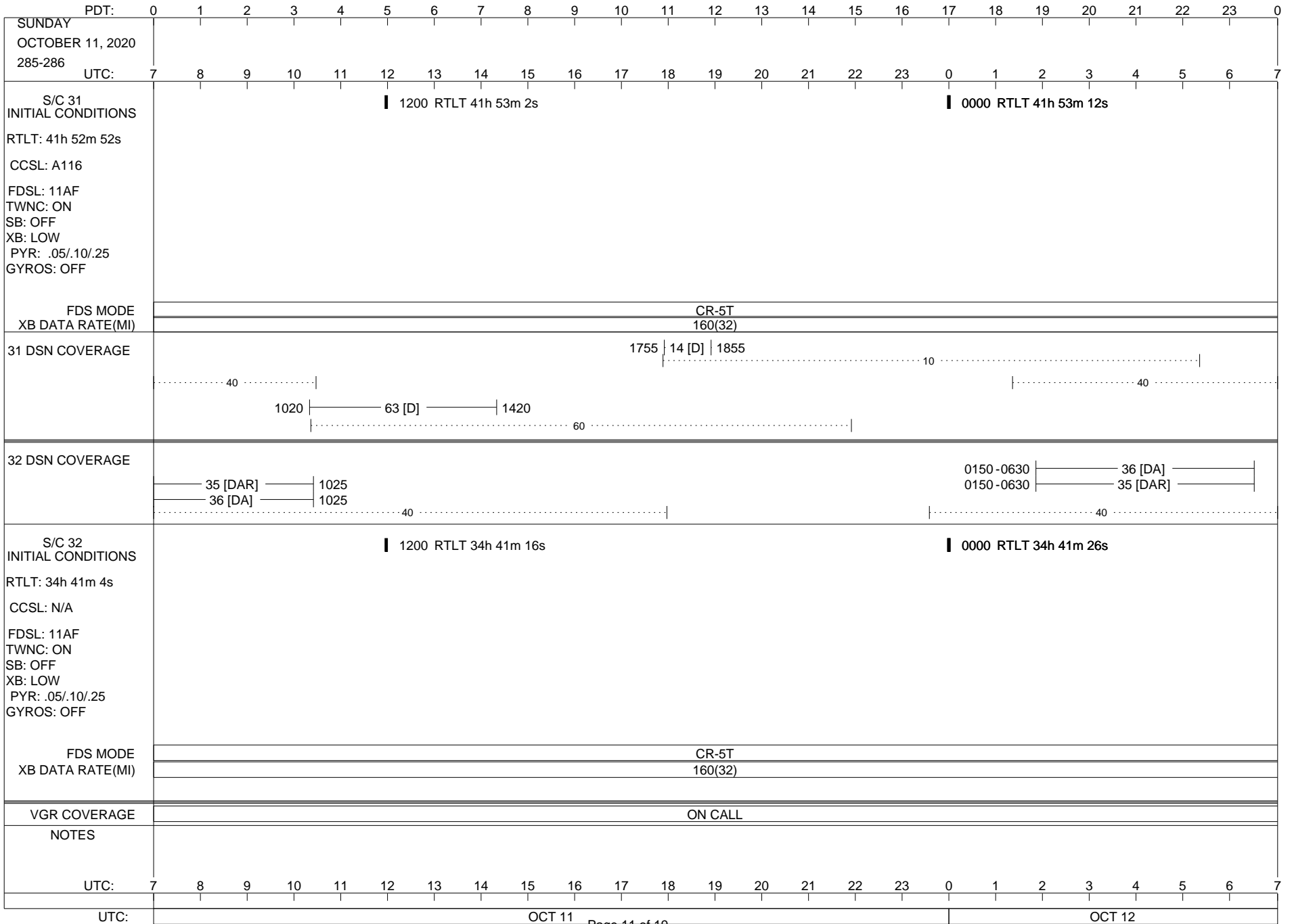
ON CALL

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: OCT 10 Page 10 of 19 OCT 11

ISSUE DATE: 09/30/20 08:00



ISSUE DATE: 09/30/20 08:00

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 OCTOBER 12, 2020 286-287																										
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 53m 12s CCSL: A116 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 41h 53m 24s												█ 0000 RTLT 41h 53m 34s								
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	.....40.....												.....10.....													
	.....40.....												.....40.....													
	1025  -----63 [D]-----  1620												-----60-----													
32 DSN COVERAGE	.....40.....												.....40.....													
S/C 32 INITIAL CONDITIONS RTLT: 34h 41m 26s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 34h 41m 38s												█ 0000 RTLT 34h 41m 48s								
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:	OCT 12													OCT 13												

ISSUE DATE: 09/30/20 08:00

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  
OCTOBER 13, 2020  
287-288

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 53m 34s  
CCSL: A117  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLTL 41h 53m 44s

0000 RTLTL 41h 53m 56s

0251 | 0251 PWS/RH

↓ 0251 GS-4B 0251

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

CR-5T  
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32  
INITIAL CONDITIONS  
RTLTL: 34h 41m 48s  
CCSL: N/A  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLTL 34h 42m 0s

0000 RTLTL 34h 42m 12s

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

VGR COVERAGE

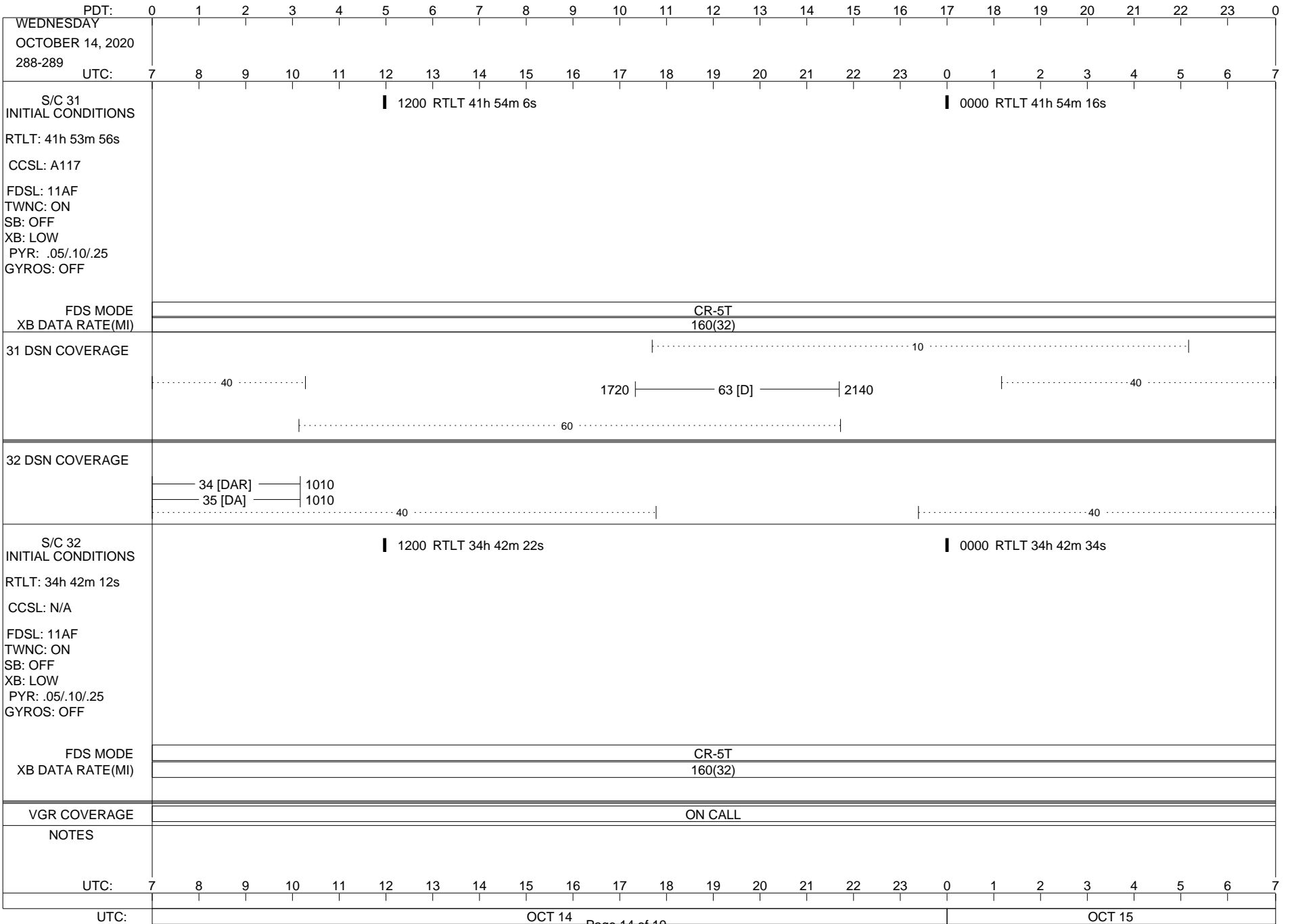
ON CALL

NOTES

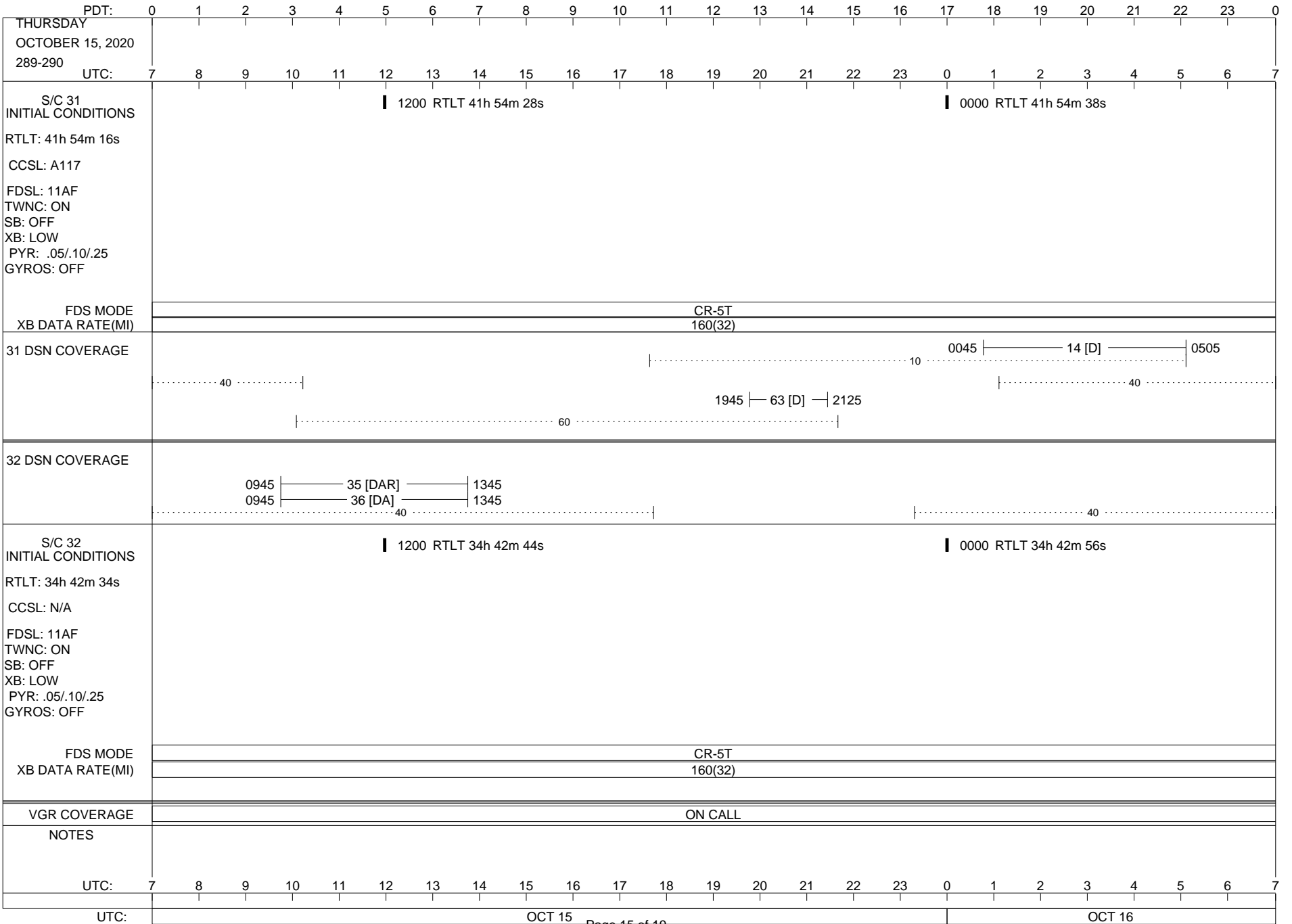
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UTC: OCT 13 Page 13 of 19 OCT 14

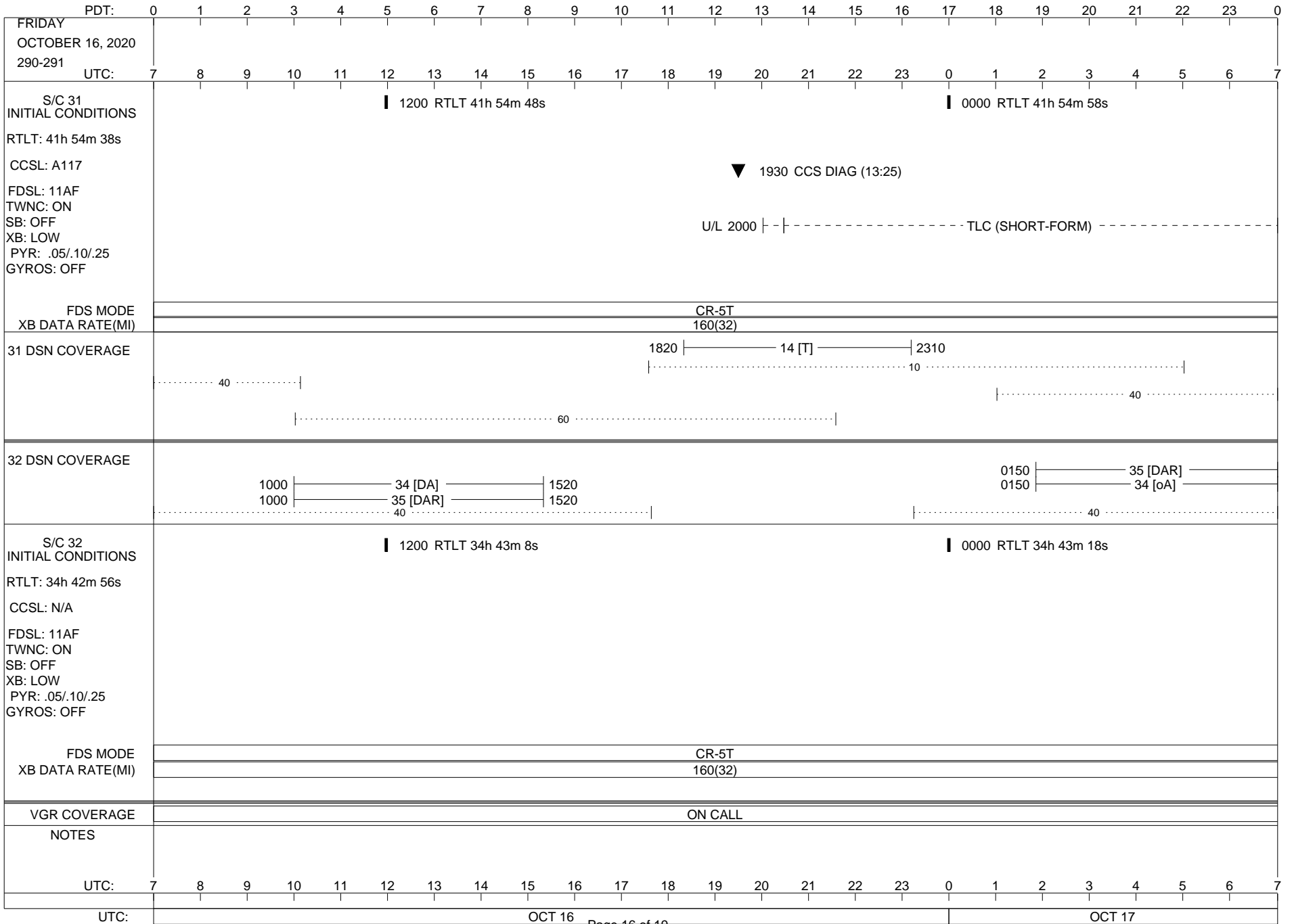
ISSUE DATE: 09/30/20 08:00



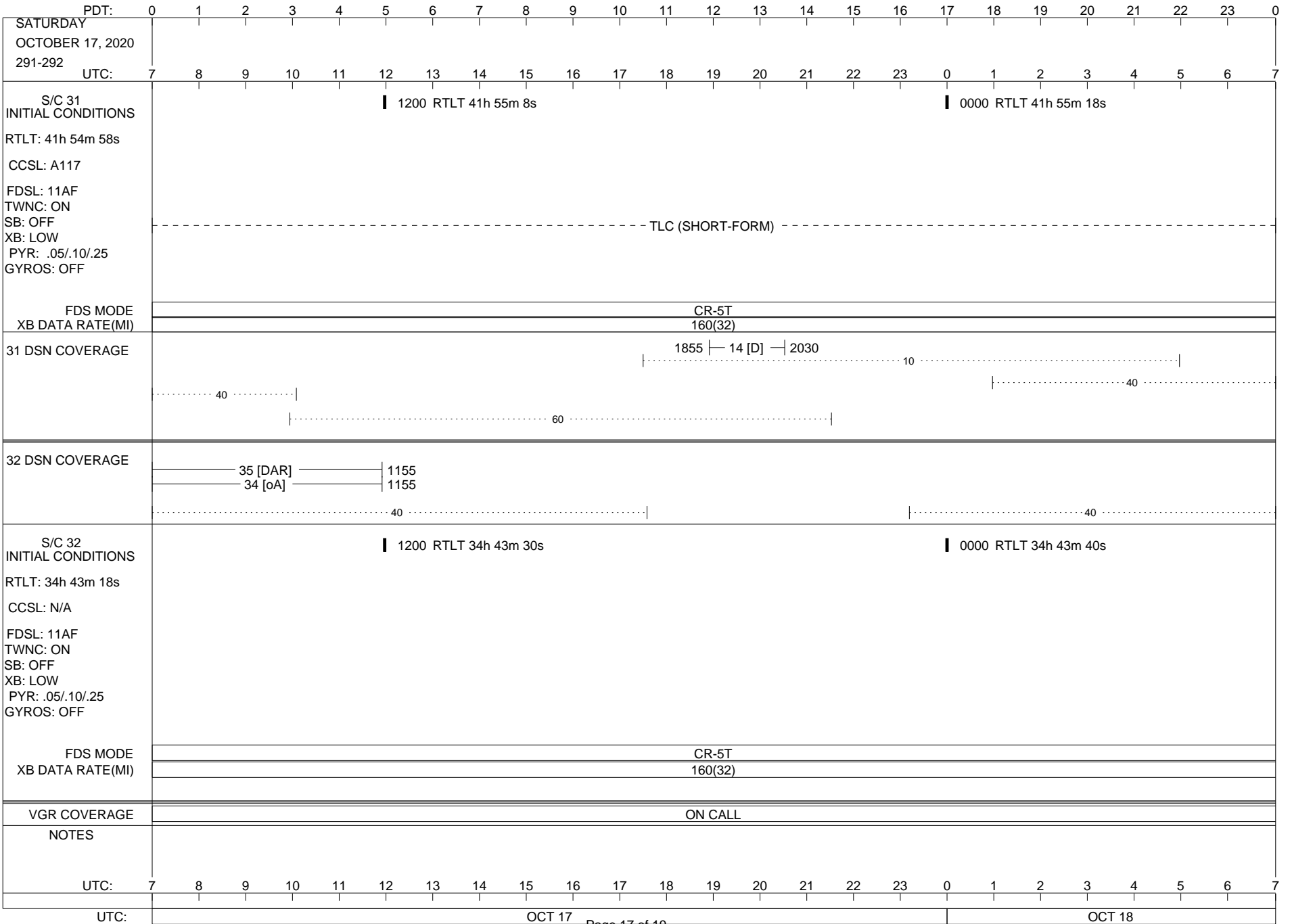
ISSUE DATE: 09/30/20 08:00



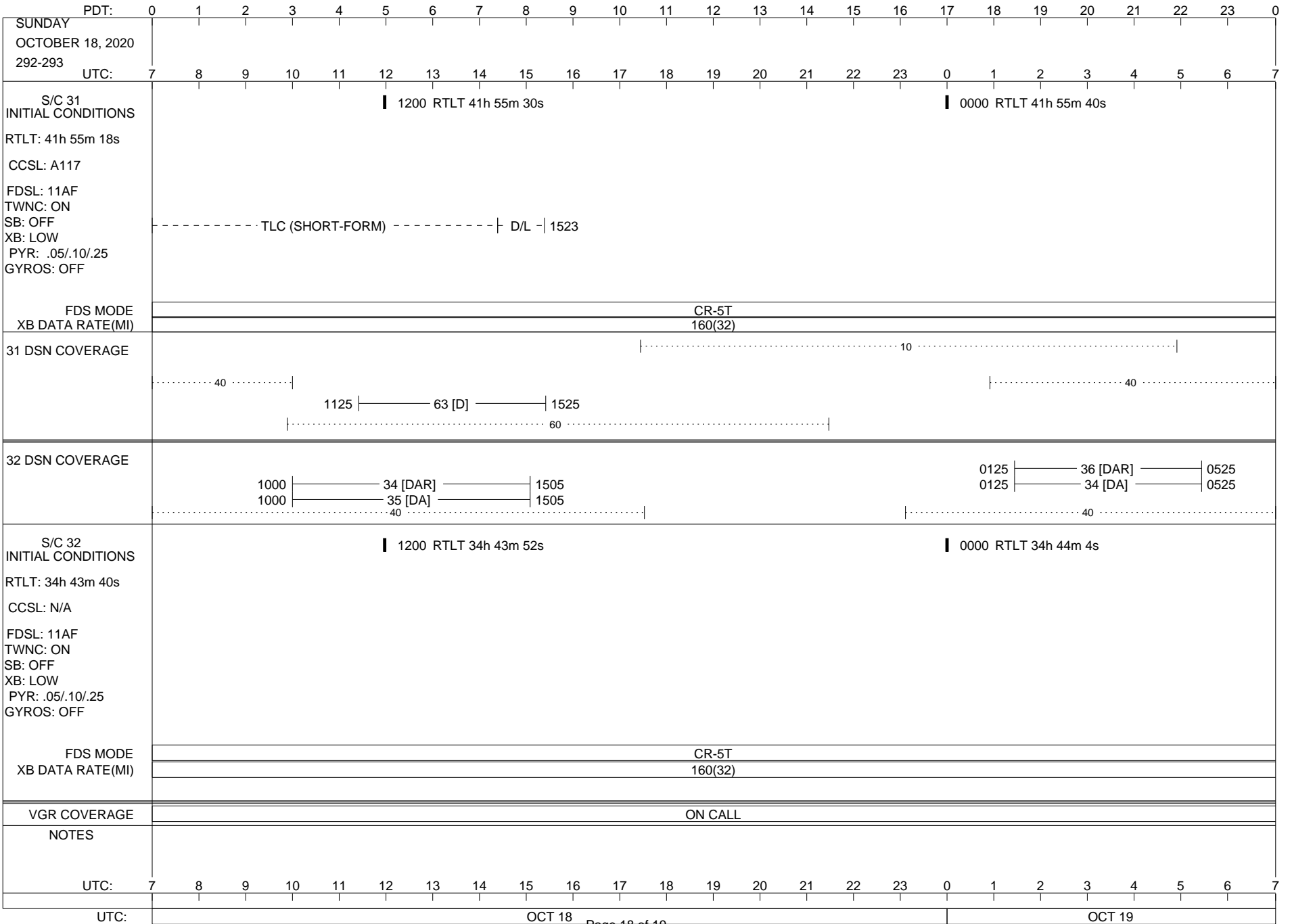




ISSUE DATE: 09/30/20 08:00



ISSUE DATE: 09/30/20 08:00



ISSUE DATE: 09/30/20 08:00

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 OCTOBER 19, 2020 293-294																									
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 55m 40s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 41h 55m 50s</p> <p>1820     1837 SHUNT POWER TEST</p>																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	<p>1725  —— 14 [D] ——  1945</p> <p>.....40..... </p> <p> .....60..... </p>																								
32 DSN COVERAGE	<p>.....40..... </p>																								
S/C 32 INITIAL CONDITIONS RTLT: 34h 44m 4s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 34h 44m 14s</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:	OCT 19												OCT 20												