

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: October 7, 2020

For the Period: 10/08/20 to 10/26/20 (20/282– 20/300)



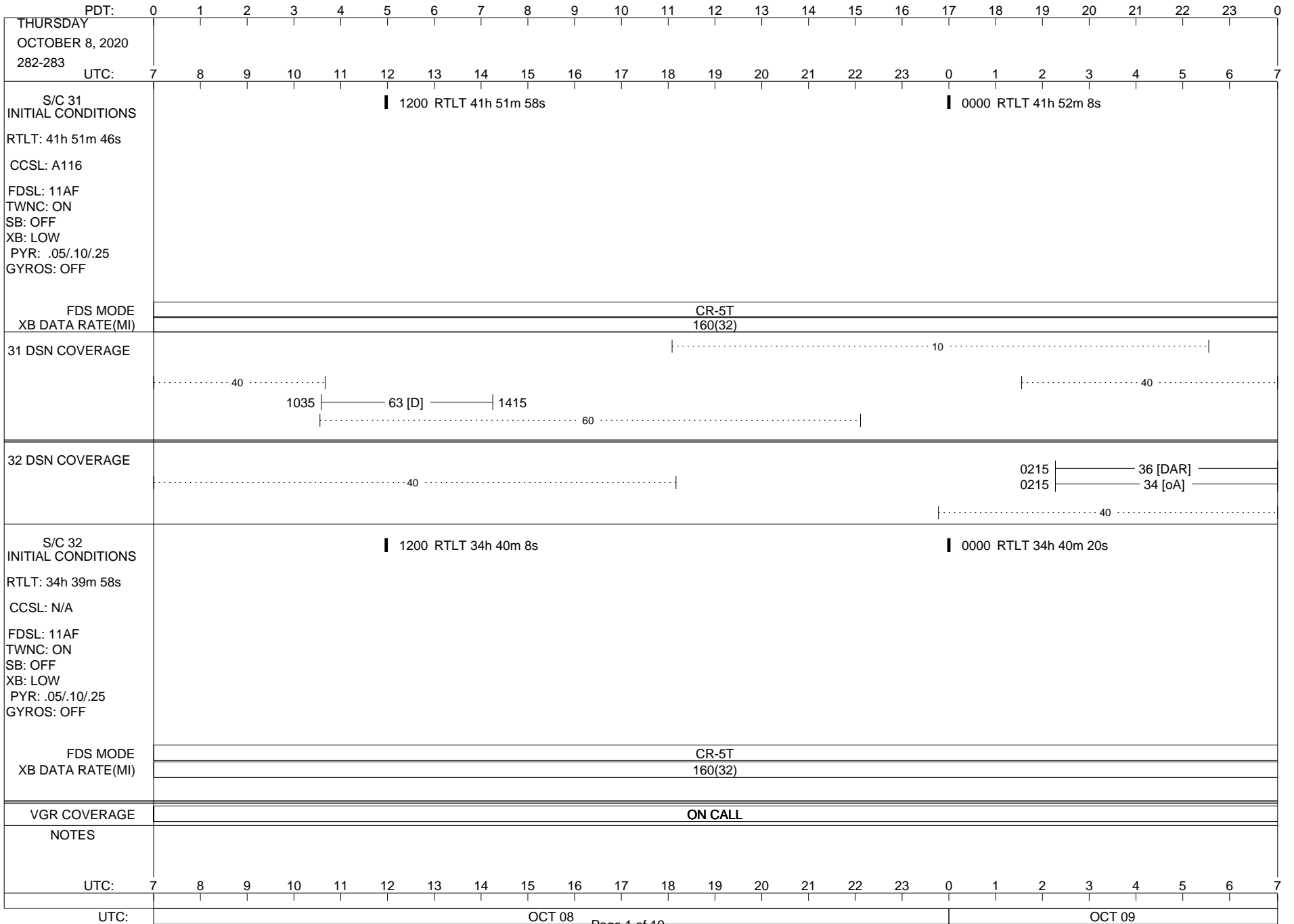
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

LEGEND:

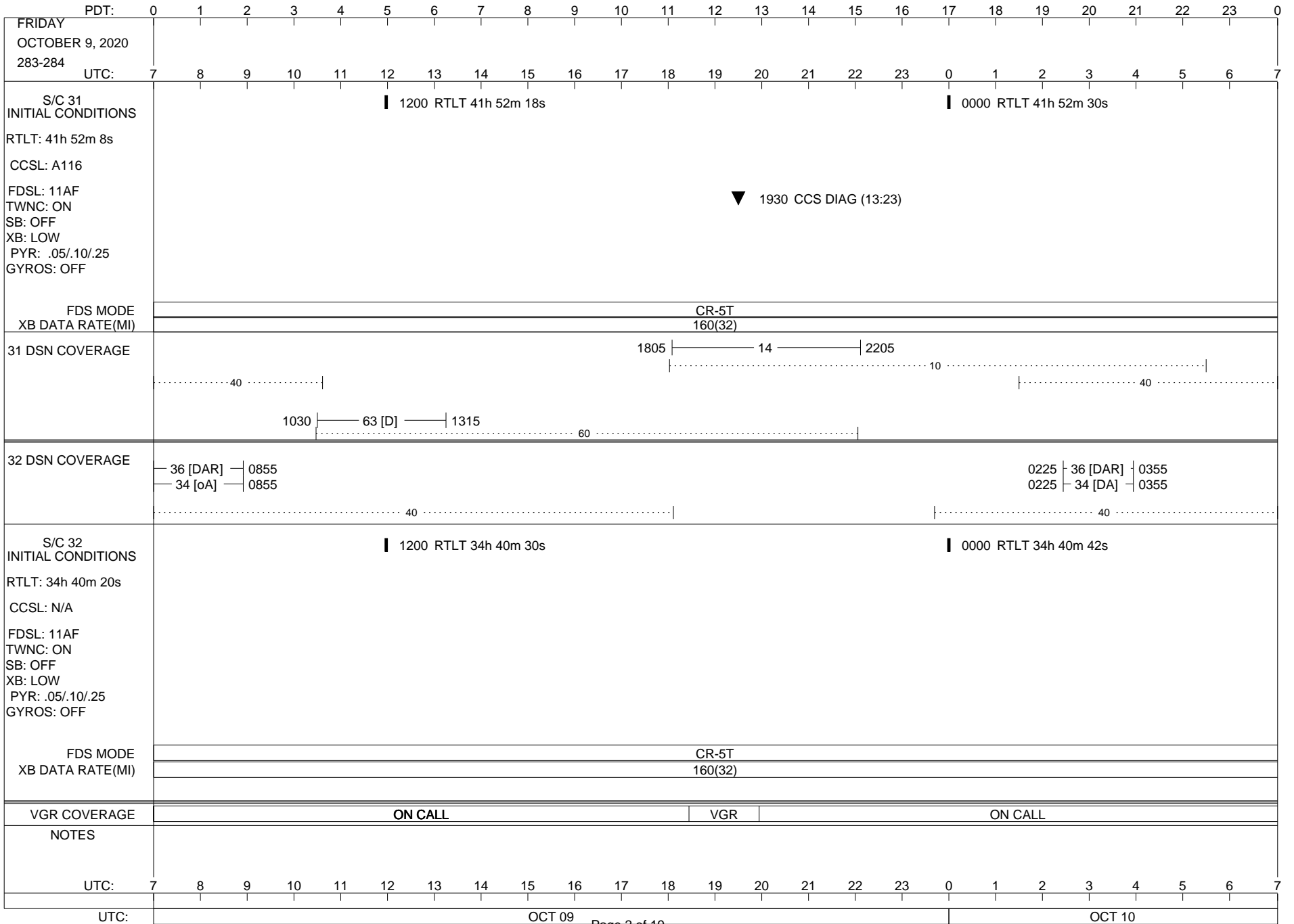
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U = Uplink only pass
- [o] = Ramp-through

02/27/19

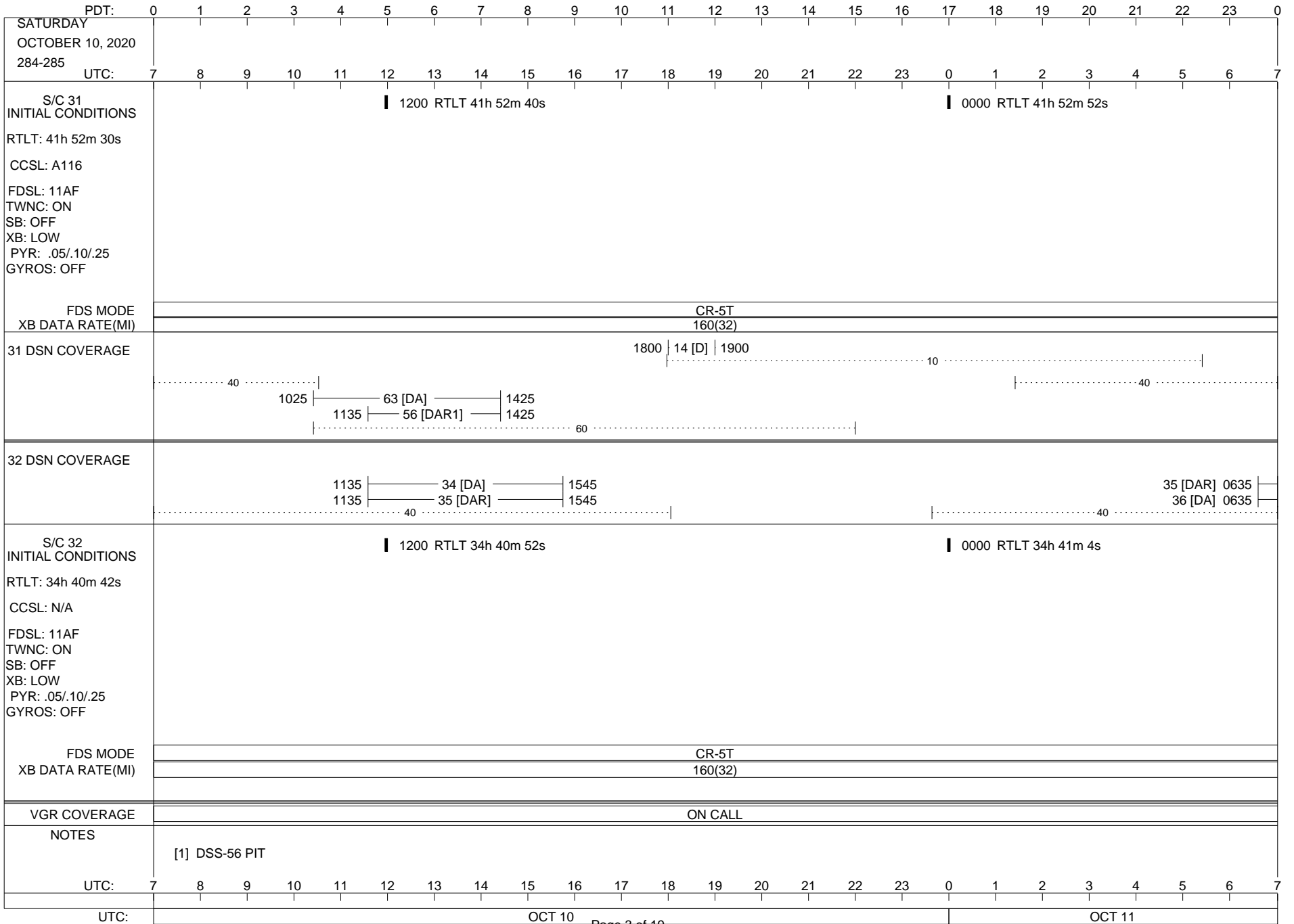
ISSUE DATE: 10/07/20 10:29



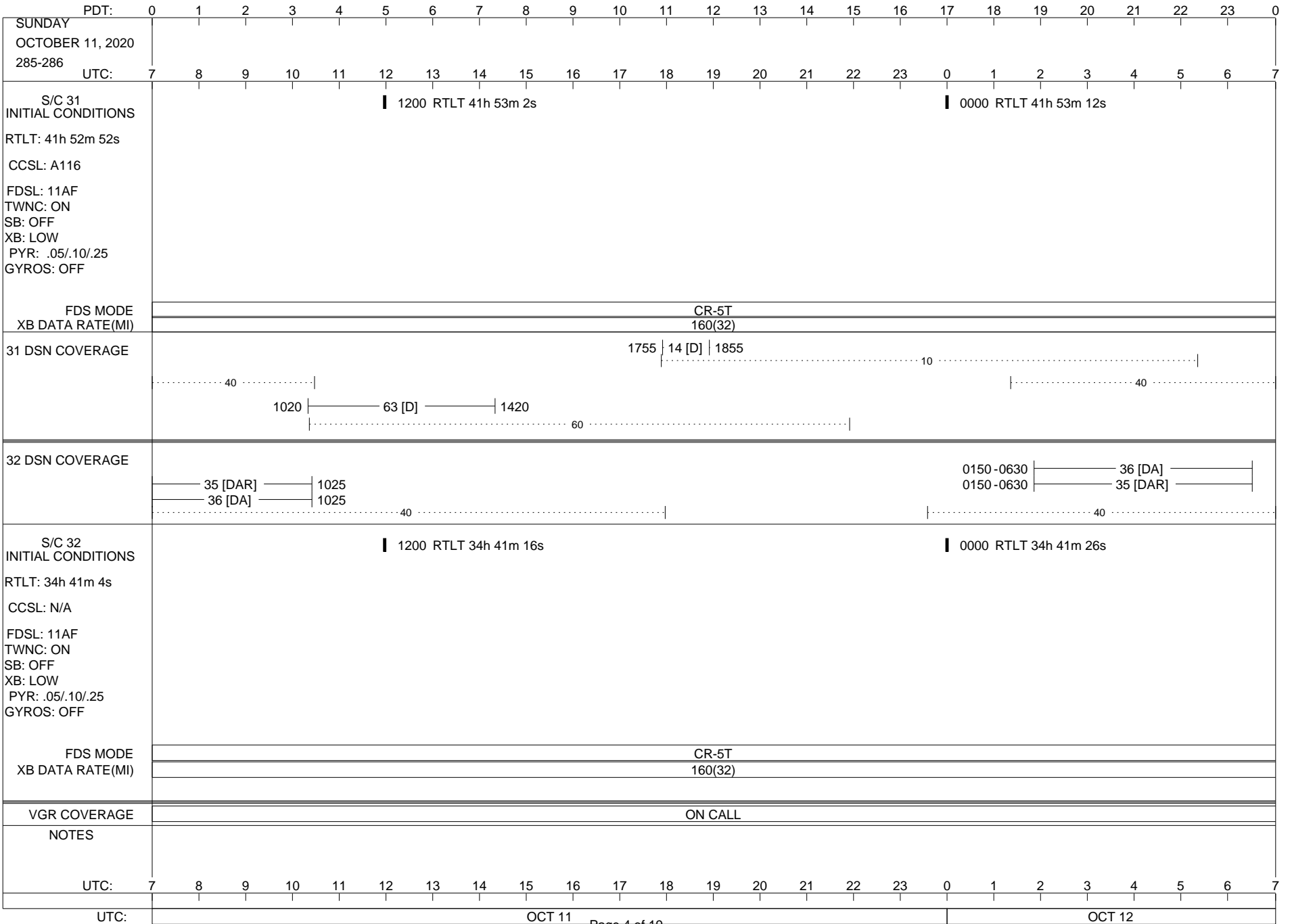
ISSUE DATE: 10/07/20 10:29



ISSUE DATE: 10/07/20 10:29



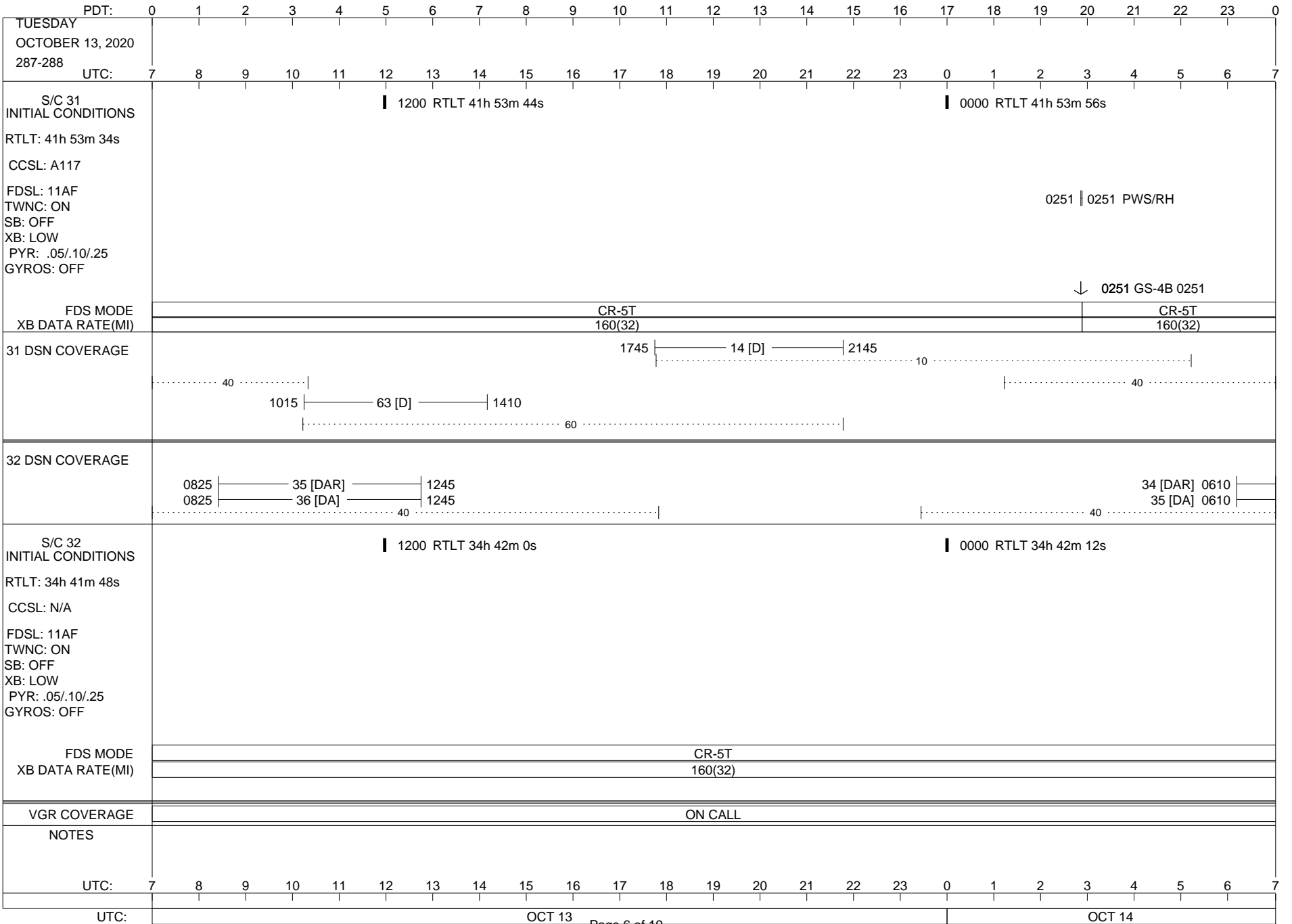
ISSUE DATE: 10/07/20 10:29



ISSUE DATE: 10/07/20 10:29

| 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 | | | | | | | | | | | |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: 10/07/20 10:29



ISSUE DATE: 10/07/20 10:29

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 14, 2020
288-289

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 56s
CCSL: A117
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/10/.25
GYROS: OFF

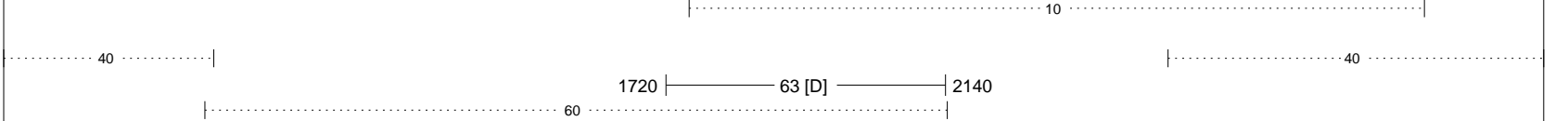
1200 RTLT 41h 54m 6s

0000 RTLT 41h 54m 16s

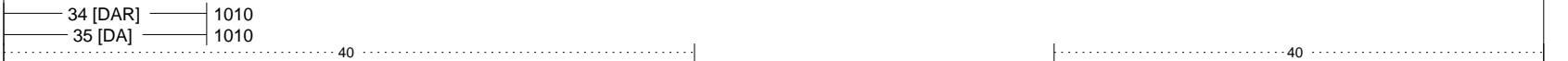
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLT: 34h 42m 12s
CCSL: N/A
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/10/.25
GYROS: OFF

1200 RTLT 34h 42m 22s

0000 RTLT 34h 42m 34s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

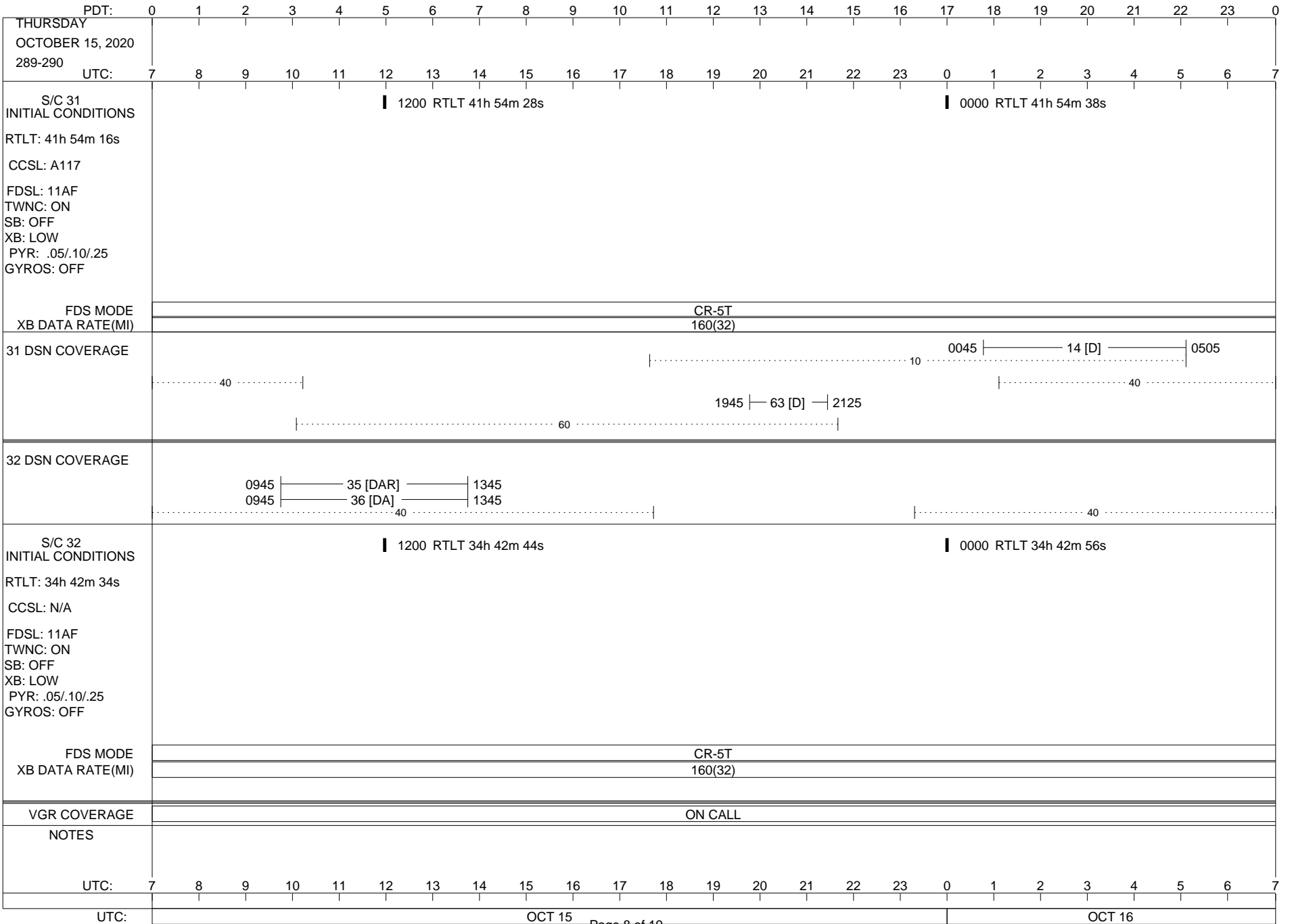
ON CALL

NOTES

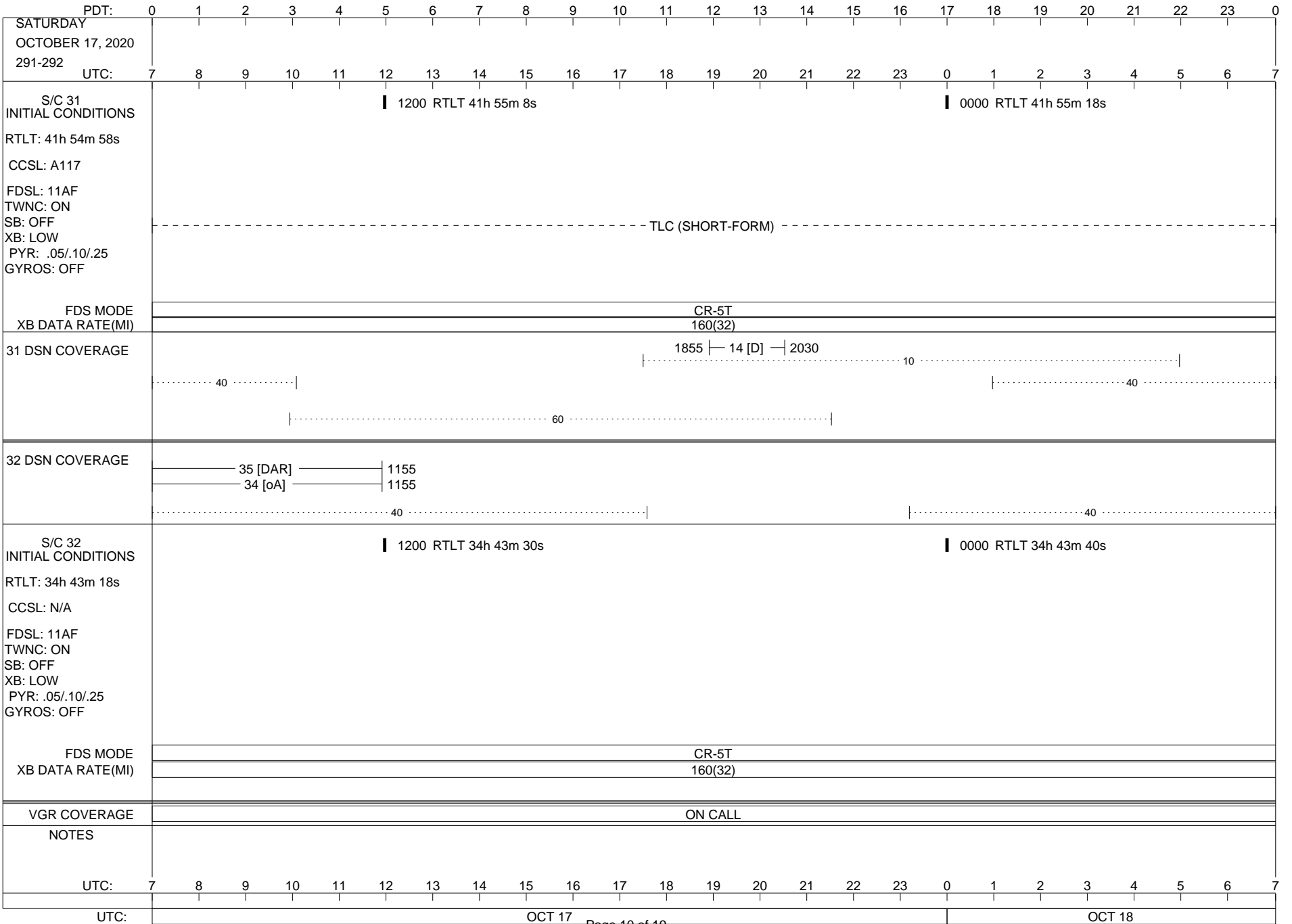
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

UTC: OCT 14 Page 7 of 19 OCT 15

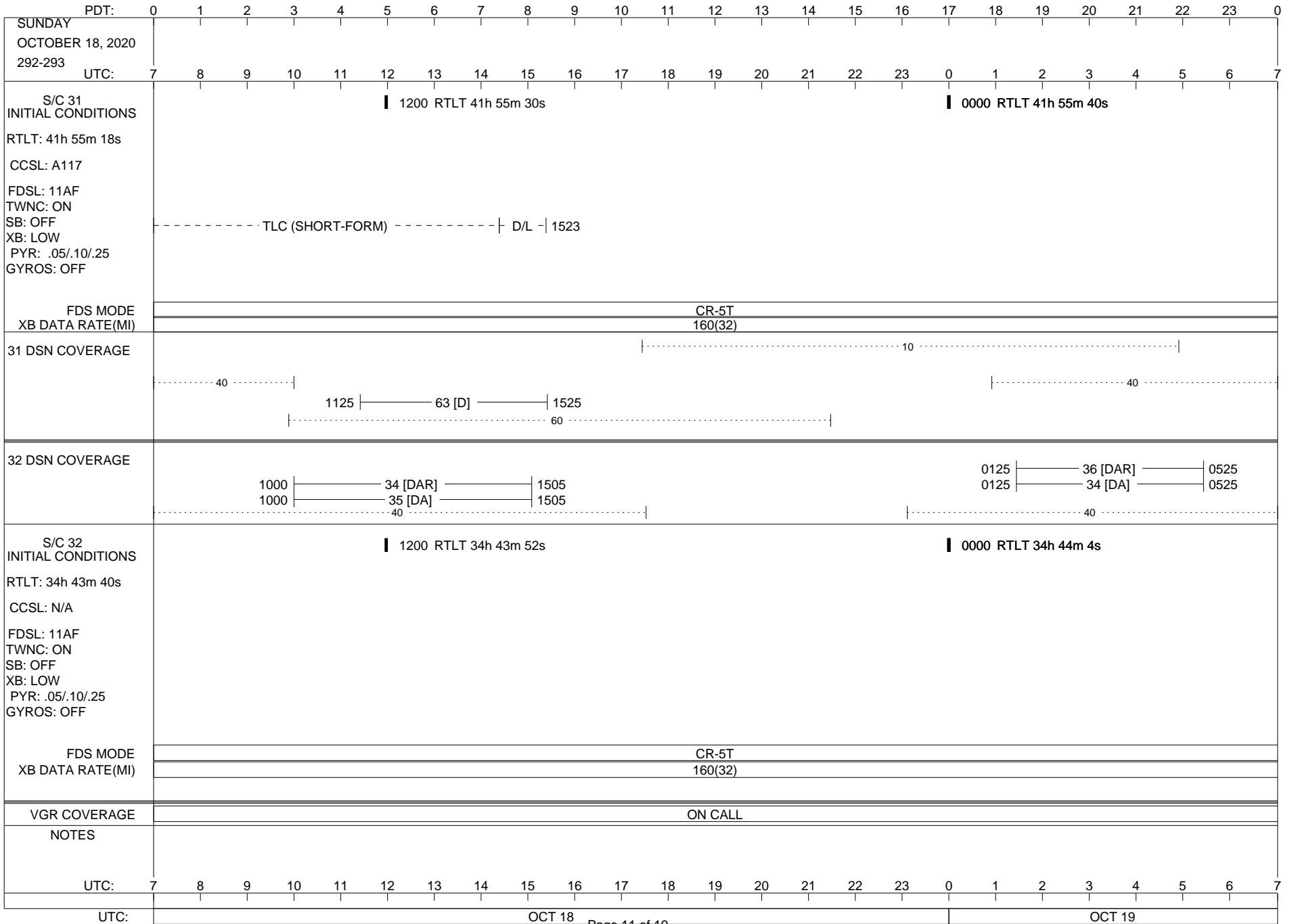
ISSUE DATE: 10/07/20 10:29



ISSUE DATE: 10/07/20 10:29



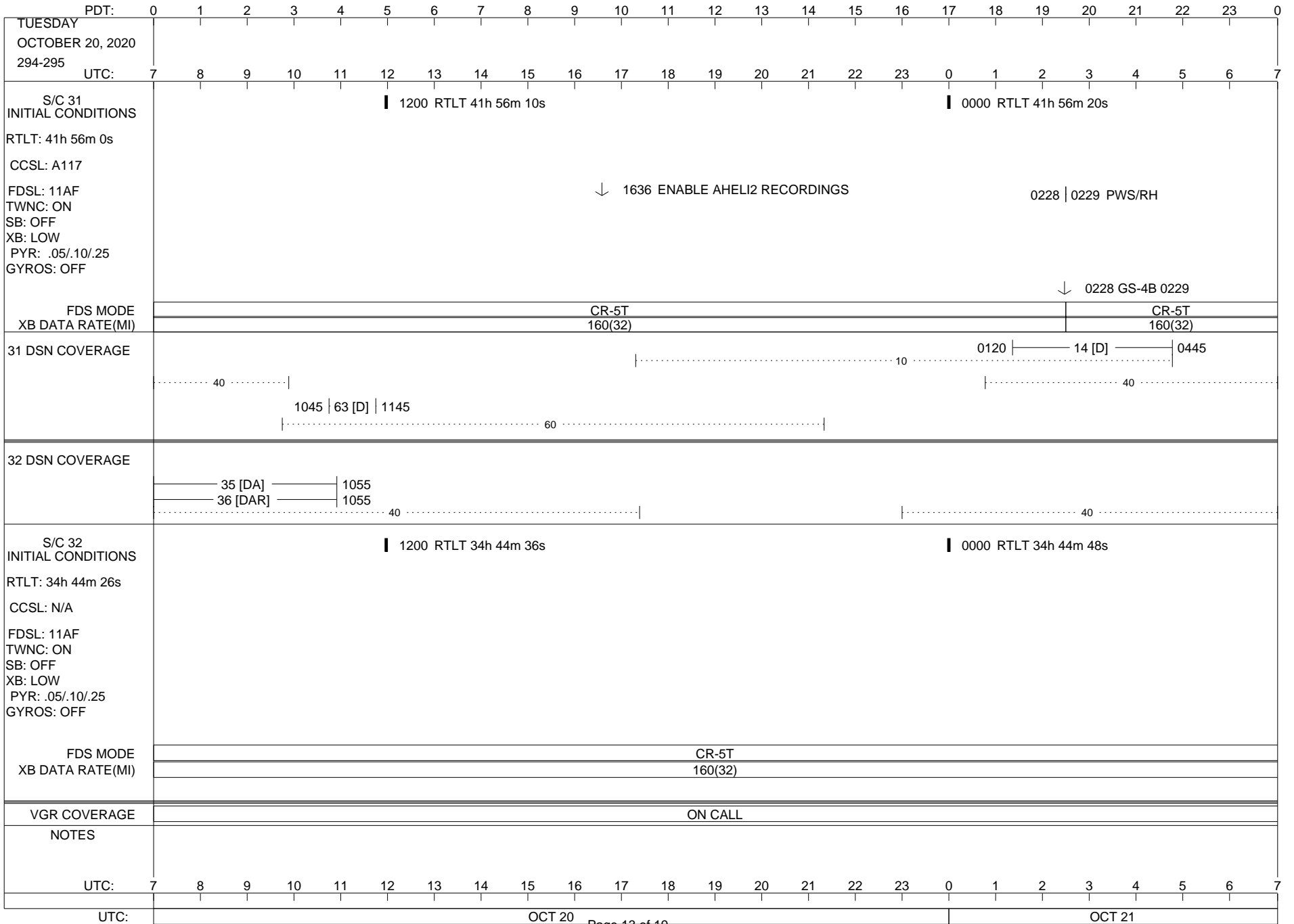
ISSUE DATE: 10/07/20 10:29



ISSUE DATE: 10/07/20 10:29

| 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 | 1200 RTLT 41h 55m 50s | | | | | | | | | | | | 0000 RTLT 41h 56m 0s | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | | |
| 31 DSN COVERAGE | | | | | | | | | | | | | 1725 14 [D] 1945 | | | | | | | | | | | | | |
| | 40 | | | | | | | | | | | | 40 | | | | | | | | | | | | | |
| | 60 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | | | | | | | | | | | | 35 [DA] 0655 36 [DAR] 0655 | | | | | | | | | | | | | |
| | 40 | | | | | | | | | | | | 40 | | | | | | | | | | | | | |
| 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 | 1200 RTLT 34h 44m 14s | | | | | | | | | | | | 0000 RTLT 34h 44m 26s | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | |

ISSUE DATE: 10/07/20 10:29



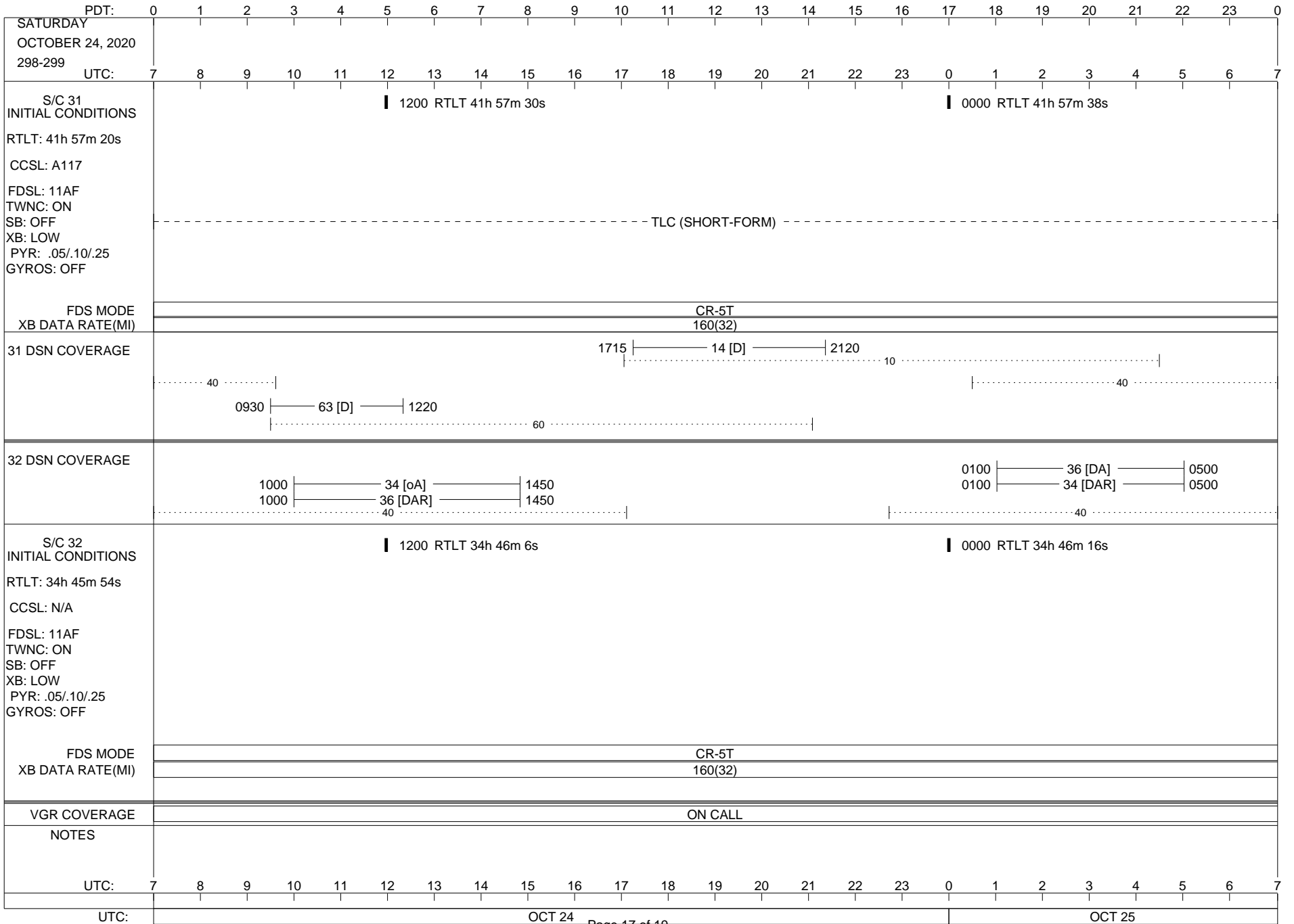
ISSUE DATE: 10/07/20 10:29

| 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 21, 2020 295-296 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 56m 20s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF | <p>1200 RTLT 41h 56m 30s</p> <p>↓ 1019 NO-OP BL PLAYBACKS - ECR 114175</p> <p>1021 1024 3 SID MRO'S - NO-OP BL PB & AHELI2</p> <p>1121 1124 3 SID MRO'S - REDUNDANT</p> <p>1645 - - - 1742 TAPPOS</p> | | | | | | | | | | | | <p>0000 RTLT 41h 56m 40s</p> | | | | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | <p>0945 63 [D] 1225</p> <p>40</p> <p>60</p> | | | | | | | | | | | | <p>2325 14 [D] 0205</p> <p>10</p> <p>40</p> | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | <p>1035 34 [DA] 1455</p> <p>1035 35 [DAR] 1455</p> <p>40</p> | | | | | | | | | | | | <p>0020 43 [o1] 0240</p> <p>40</p> | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 34h 44m 48s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF | <p>1200 RTLT 34h 44m 58s</p> | | | | | | | | | | | | <p>0000 RTLT 34h 45m 10s</p> | | | | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | VGR | | | | ON CALL | | | | | | | | | | | | | | | | | | | |
| NOTES | [1] DSS-43 HP TRANSMITTER TEST, U/L-ONLY & NO D/L | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 21 | | | | | | | | | | | | | | OCT 22 | | | | | | | | | | | | | |

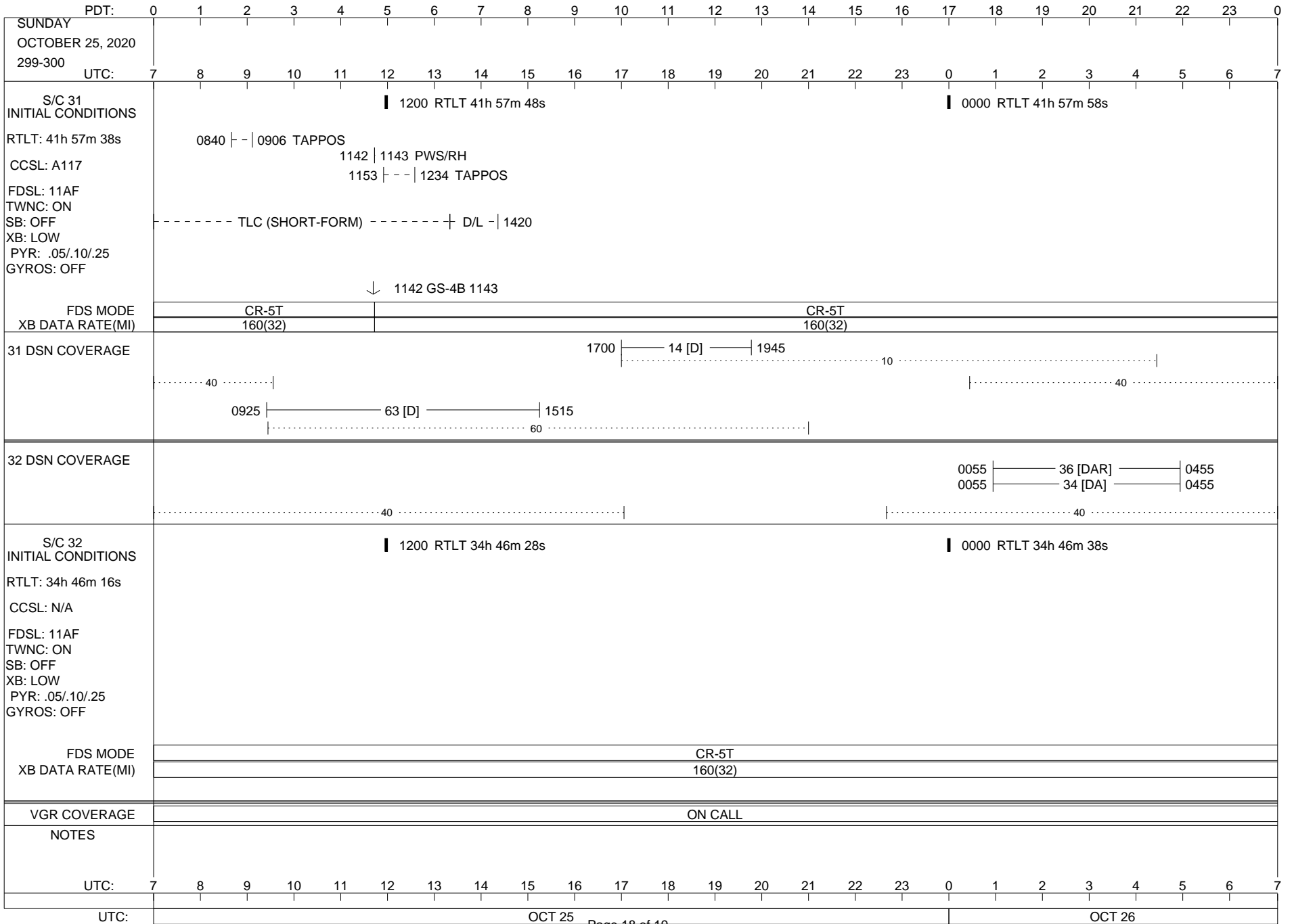
ISSUE DATE: 10/07/20 10:29

| 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 22, 2020 296-297 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 56m 40s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF | 1200 RTLT 41h 56m 50s | | | | | | | | | | | | 0000 RTLT 41h 57m 0s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | 40 | | | | | | | | | | | | 2330 ----- 14 [D] ----- 0330 10 | | | | | | | | | | | | |
| 32 DSN COVERAGE | 0845 ----- 34 [DAR] ----- 1330 0845 ----- 35 [DA] ----- 1330 40 | | | | | | | | | | | | 40 | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 34h 45m 10s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF | 1200 RTLT 34h 45m 22s | | | | | | | | | | | | 0000 RTLT 34h 45m 32s | | | | | | | | | | | | |
| 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: | OCT 22 | | | | | | | | | | | | OCT 23 | | | | | | | | | | | | |

ISSUE DATE: 10/07/20 10:29



ISSUE DATE: 10/07/20 10:29



| 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 26, 2020 300-301 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 57m 58s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF | <div style="text-align: center;"> █ 1200 RTLT 41h 58m 8s </div> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE | | | | | | | | | | | | | | CR-5T | | | | | | | | | | | | | |
| XB DATA RATE(MI) | | | | | | | | | | | | | | 160(32) | | | | | | | | | | | | | |
| 31 DSN COVERAGE | <div style="text-align: center;"> 1640 ----- 14 [D] ----- 2055 </div> <div style="text-align: center; margin-top: 10px;"> 40..... </div> <div style="text-align: center; margin-top: 10px;"> 60..... </div> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | <div style="text-align: center;"> 40..... </div> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 34h 46m 38s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF | <div style="text-align: center;"> █ 1200 RTLT 34h 46m 50s </div> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 26 | | | | | | | | | | | | | OCT 27 | | | | | | | | | | | | | |