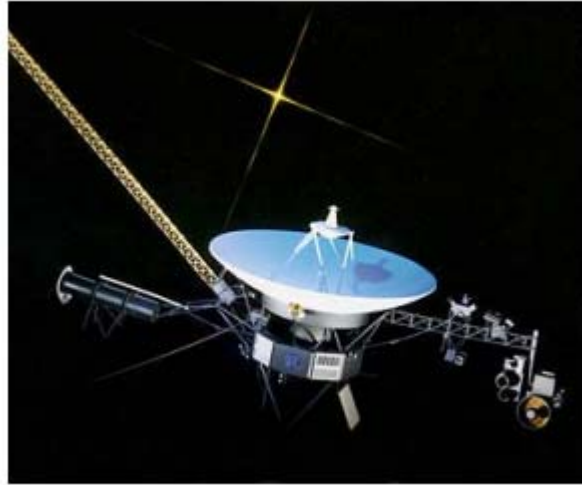


# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: September 25, 2024

For the Period: 09/26/24 to 10/14/24 (24/270 – 24/288)



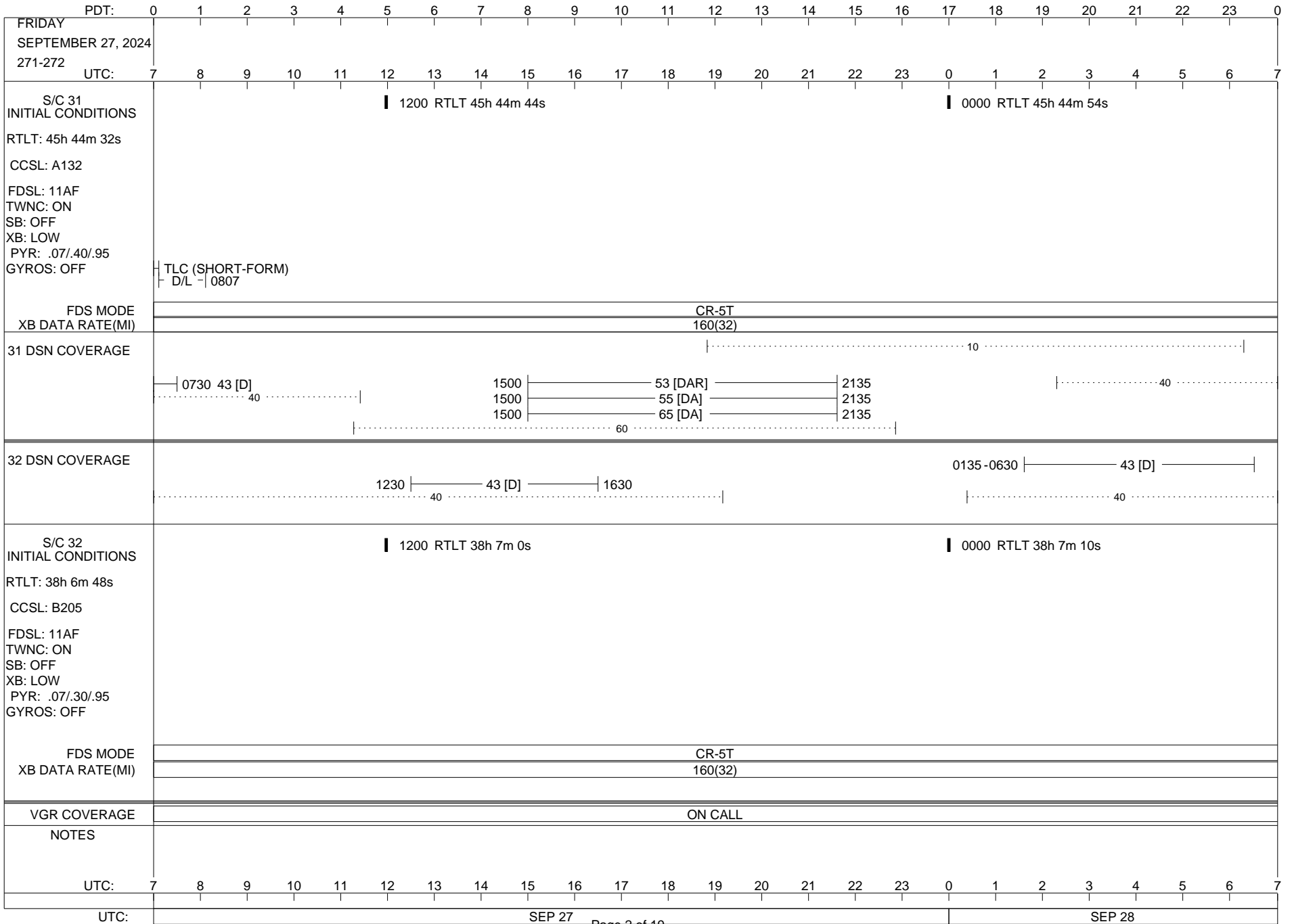
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

**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

ISSUE DATE: 09/25/24 07:25

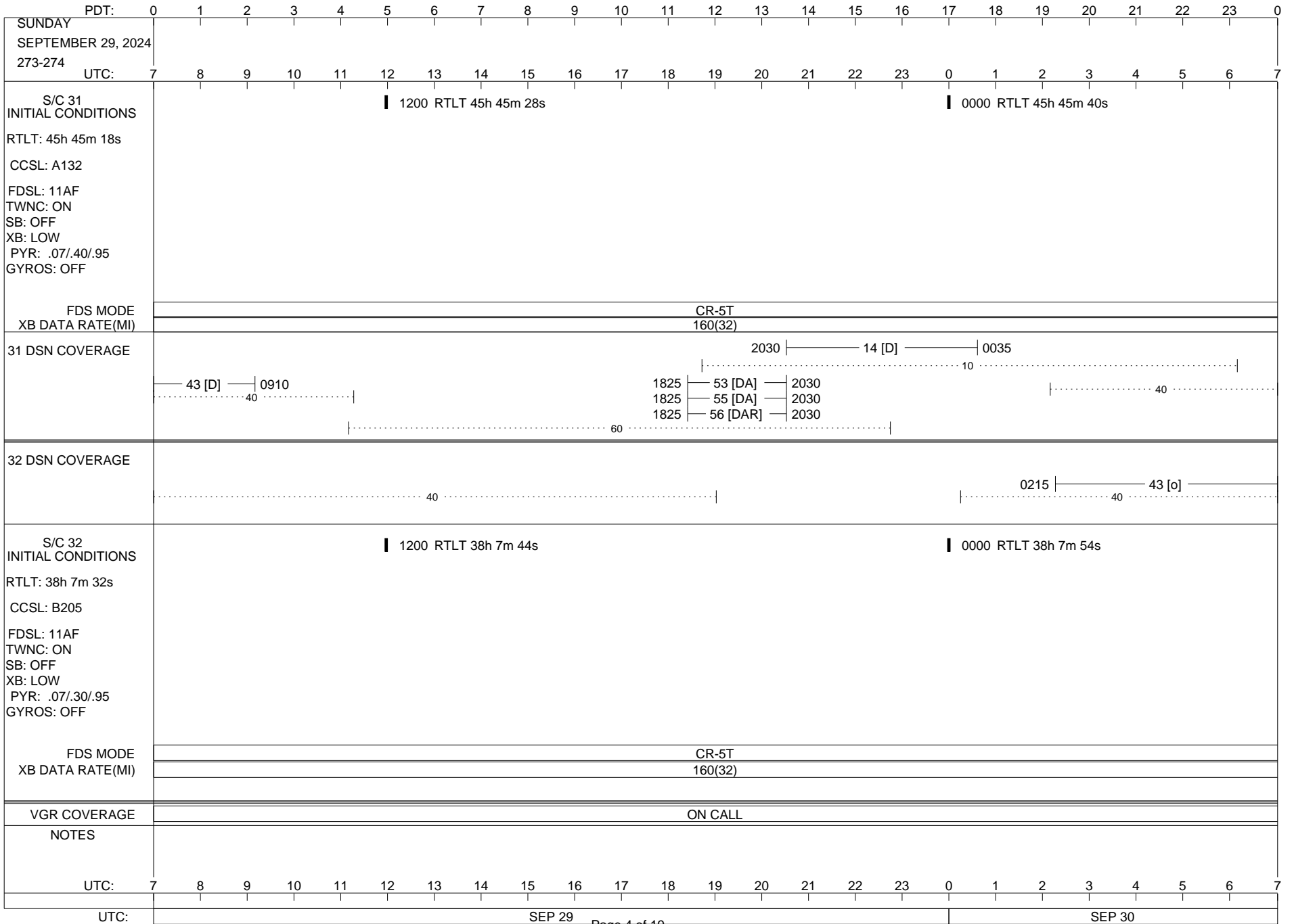
| PDT:   | 0   | 1 | 2 | 3  | 4  | 5  | 6  | 7   | 8  | 9  | 10 | 11 | 12  | 13 | 14      | 15 | 16 | 17 | 18           | 19 | 20 | 21  | 22 | 23 | 0     |  |  |  |  |  |
|--|---|---|---|----|----|----|----|-----|----|----|----|----|---|----|---------|----|----|----|--------------|----|----|-----|----|----|-------|--|--|--|--|--|
| 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     |  |  |  |  |  |
| THURSDAY<br>SEPTEMBER 26, 2024<br>270-271  |   |   |   |    |    |    |    |     |    |    |    |    |   |    |         |    |    |    |              |    |    |     |    |    |       |  |  |  |  |  |
| S/C 31<br>INITIAL CONDITIONS<br>RTLT: 45h 44m 8s<br>CCSL: A132<br>FDSL: 11AF<br>TWNC: ON<br>SB: OFF<br>XB: LOW<br>PYR: .07/.40/.95<br>GYROS: OFF | 1200 RTLT 45h 44m 20s   |   |   |    |    |    |    |     |    |    |    |    | 0000 RTLT 45h 44m 32s   |    |         |    |    |    |              |    |    |     |    |    |       |  |  |  |  |  |
|  |   |   |   |    |    |    |    |     |    |    |    |    | A133 CHKSUM 0414   0421 *<br>2 CCS SID MRO'S 0435   0436 *<br>2 CCS SID MRO'S - REDUNDANT 0535   0536 *<br>CCSTIM FINE 0547   0554 *<br>COARSE 0605   0608 *<br>TIC MRO'S 0617 - 0618 * |    |         |    |    |    |              |    |    |     |    |    |       |  |  |  |  |  |
|  | ----- TLC (SHORT-FORM) -----  |   |   |    |    |    |    |     |    |    |    |    |   |    |         |    |    |    |              |    |    |     |    |    |       |  |  |  |  |  |
| FDS MODE   | CR-5T   |   |   |    |    |    |    |     |    |    |    |    | EL-40 0344 ↓  |    |         |    |    |    | CR-5T 0619 ↓ |    |    |     |    |    | EL-40 |  |  |  |  |  |
| XB DATA RATE(MI)   | 160(32)   |   |   |    |    |    |    |     |    |    |    |    | 40(30)  |    |         |    |    |    | 40(30)       |    |    |     |    |    |       |  |  |  |  |  |
| 31 DSN COVERAGE  | 2130   14 [D]   2245<br>..... 40 .....   1245   ..... 53 [DA] .....   2140 ..... 10 .....<br>..... 40 .....   1245   ..... 55 [DAR] .....   2140 .....<br>..... 40 .....   1245   ..... 65 [DA] .....   2140 .....<br>..... 40 .....   ..... 60 .....   ..... |   |   |    |    |    |    |     |    |    |    |    |   |    |         |    |    |    |              |    |    |     |    |    |       |  |  |  |  |  |
| 32 DSN COVERAGE  | 1225   ..... 43 [H1B] .....   1640 .....<br>..... 40 .....   ..... 40 .....   |   |   |    |    |    |    |     |    |    |    |    |   |    |         |    |    |    |              |    |    |     |    |    |       |  |  |  |  |  |
| S/C 32<br>INITIAL CONDITIONS<br>RTLT: 38h 6m 28s<br>CCSL: B205<br>FDSL: 11AF<br>TWNC: ON<br>SB: OFF<br>XB: LOW<br>PYR: .07/.30/.95<br>GYROS: OFF | 1200 RTLT 38h 6m 38s  |   |   |    |    |    |    |     |    |    |    |    | 0000 RTLT 38h 6m 48s  |    |         |    |    |    |              |    |    |     |    |    |       |  |  |  |  |  |
|  | ▼ 1250 PLS OFF (02:57)  |   |   |    |    |    |    |     |    |    |    |    |   |    |         |    |    |    |              |    |    |     |    |    |       |  |  |  |  |  |
| FDS MODE   | CR-5T   |   |   |    |    |    |    |     |    |    |    |    |   |    |         |    |    |    |              |    |    |     |    |    |       |  |  |  |  |  |
| XB DATA RATE(MI)   | 160(32)   |   |   |    |    |    |    |     |    |    |    |    |   |    |         |    |    |    |              |    |    |     |    |    |       |  |  |  |  |  |
| VGR COVERAGE   | ON CALL   |   |   |    |    |    |    | VGR |    |    |    |    |   |    | ON CALL |    |    |    |              |    |    | VGR |    |    |       |  |  |  |  |  |
| NOTES  | [1] HPTXR DRV OFF <= 17:40  |   |   |    |    |    |    |     |    |    |    |    |   |    |         |    |    |    |              |    |    |     |    |    |       |  |  |  |  |  |
| 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 26  |   |   |    |    |    |    |     |    |    |    |    |   |    | SEP 27  |    |    |    |              |    |    |     |    |    |       |  |  |  |  |  |



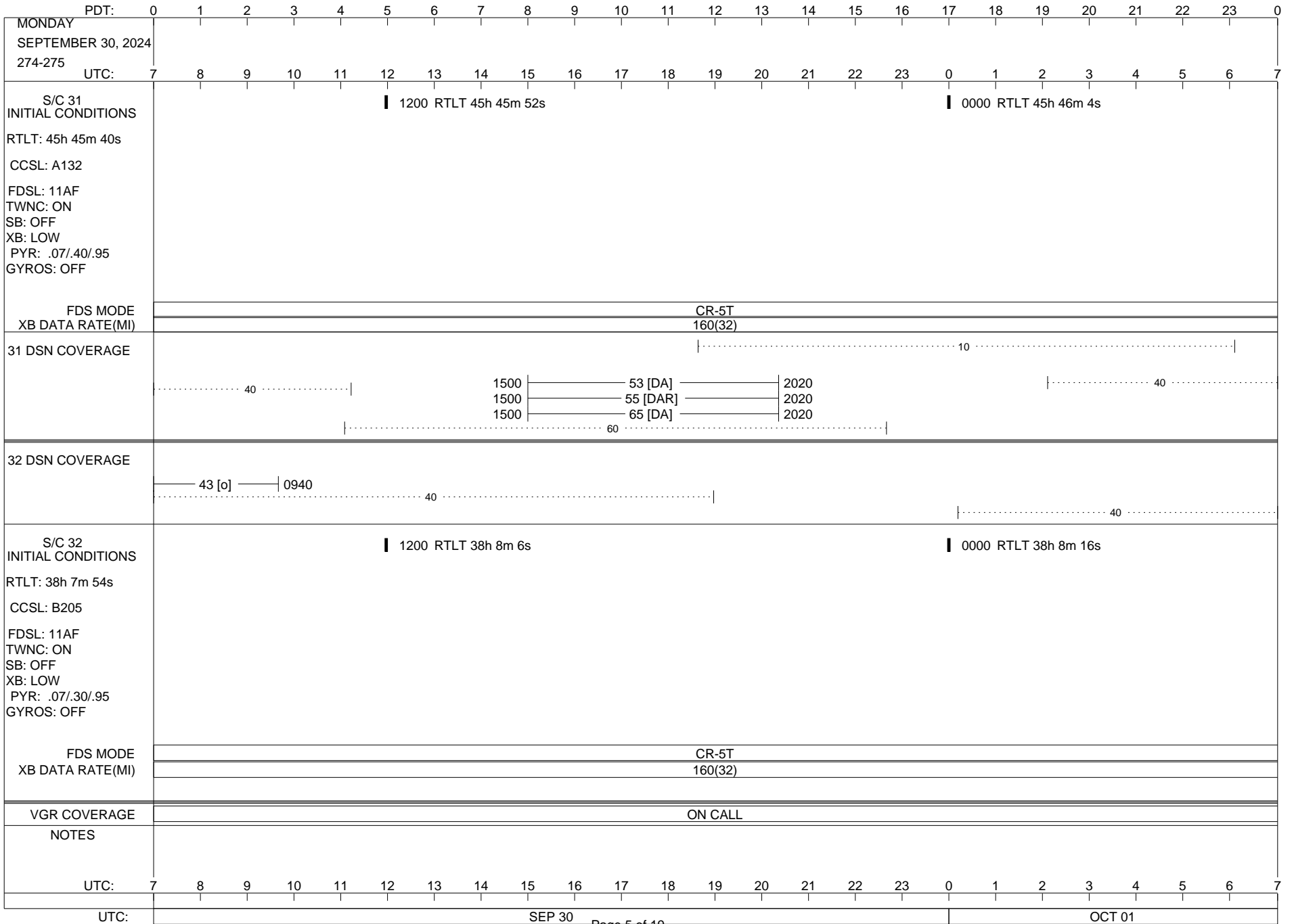
ISSUE DATE: 09/25/24 07:25

| 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<br>SEPTEMBER 28, 2024<br>272-273   |   |   |   |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |                         |    |    |    |    |    |    |   |
| 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<br>INITIAL CONDITIONS<br>RTLT: 45h 44m 54s<br>CCSL: A132<br>FDSL: 11AF<br>TWNC: ON<br>SB: OFF<br>XB: LOW<br>PYR: .07/.40/.95<br>GYROS: OFF |   |   |   |    |    | █ 1200 RTLT 45h 45m 6s |    |    |    |    |    |    |    |    |    |    |    | █ 0000 RTLT 45h 45m 18s |    |    |    |    |    |    |   |
| FDS MODE<br>XB DATA RATE(MI)  |   |   |   |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |                         |    |    |    |    |    |    |   |
| 31 DSN COVERAGE   |   |   |   |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |                         |    |    |    |    |    |    |   |
|   |   |   |   |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |                         |    |    |    |    |    |    |   |
| 32 DSN COVERAGE   |   |   |   |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |                         |    |    |    |    |    |    |   |
|   |   |   |   |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |                         |    |    |    |    |    |    |   |
| S/C 32<br>INITIAL CONDITIONS<br>RTLT: 38h 7m 10s<br>CCSL: B205<br>FDSL: 11AF<br>TWNC: ON<br>SB: OFF<br>XB: LOW<br>PYR: .07/.30/.95<br>GYROS: OFF  |   |   |   |    |    | █ 1200 RTLT 38h 7m 22s |    |    |    |    |    |    |    |    |    |    |    |                         |    |    |    |    |    |    |   |
| FDS MODE<br>XB DATA RATE(MI)  |   |   |   |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |                         |    |    |    |    |    |    |   |
| VGR COVERAGE  |   |   |   |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |                         |    |    |    |    |    |    |   |
| 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:  |   |   |   |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |                         |    |    |    |    |    |    |   |

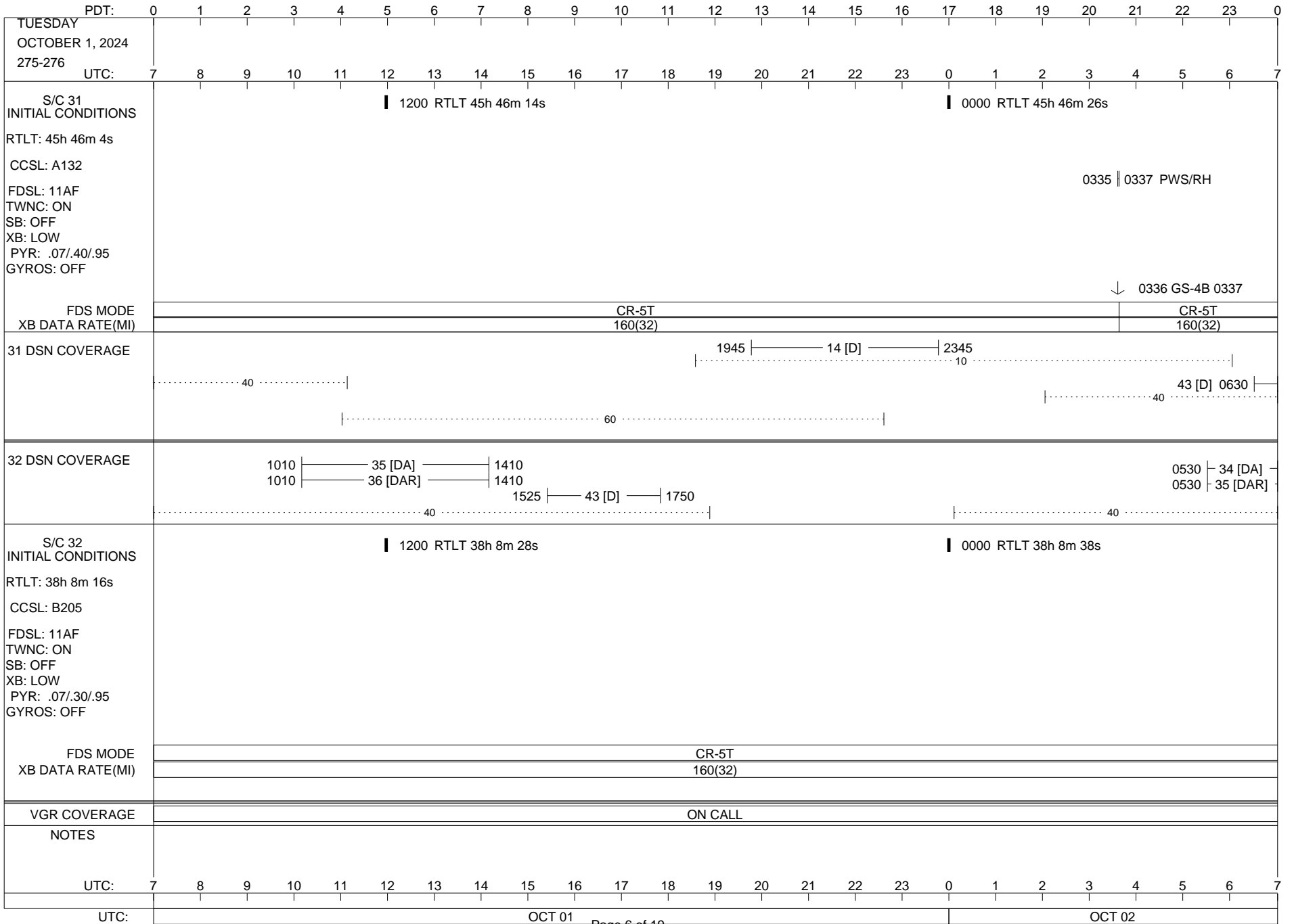
ISSUE DATE: 09/25/24 07:25



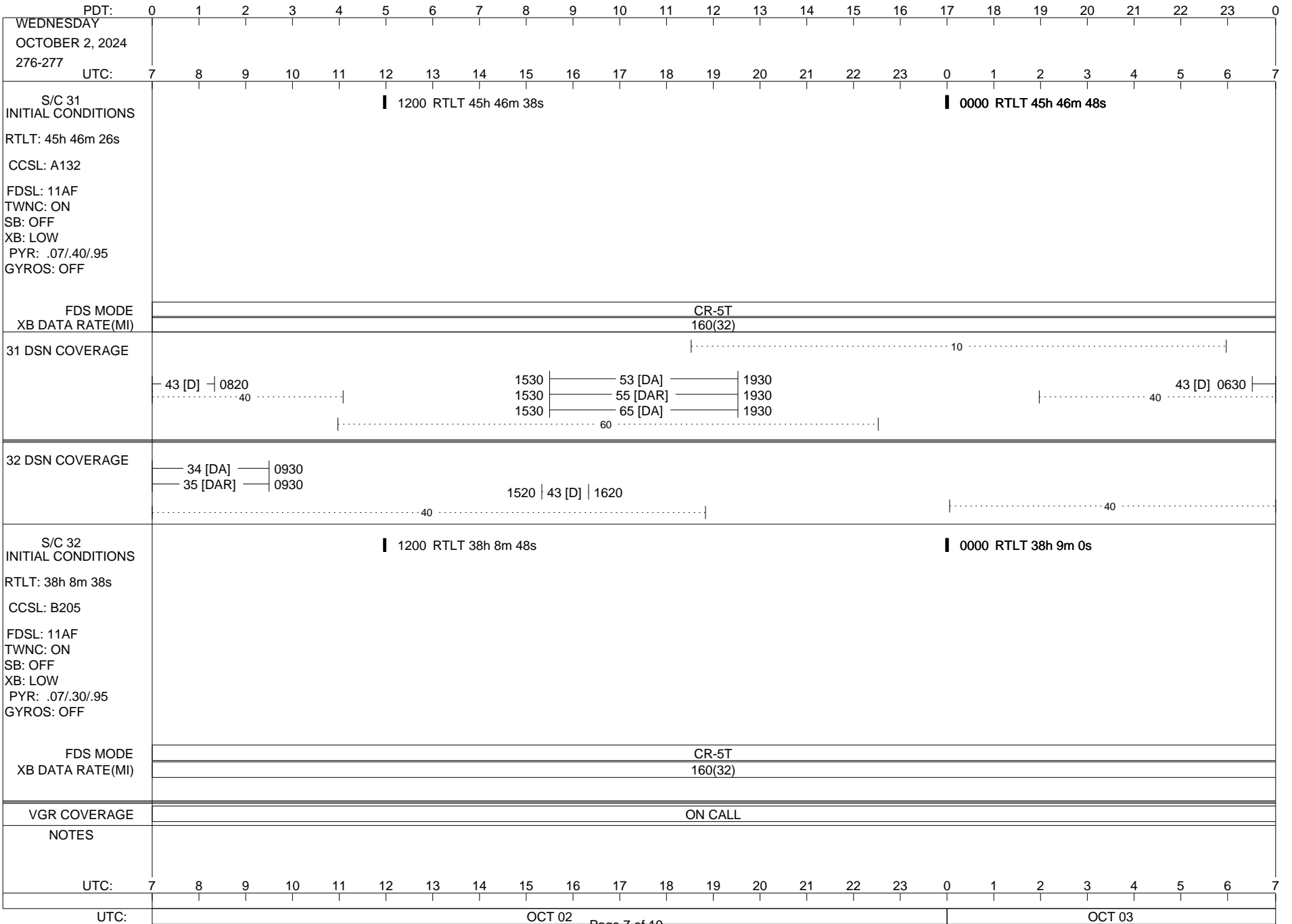
ISSUE DATE: 09/25/24 07:25



ISSUE DATE: 09/25/24 07:25

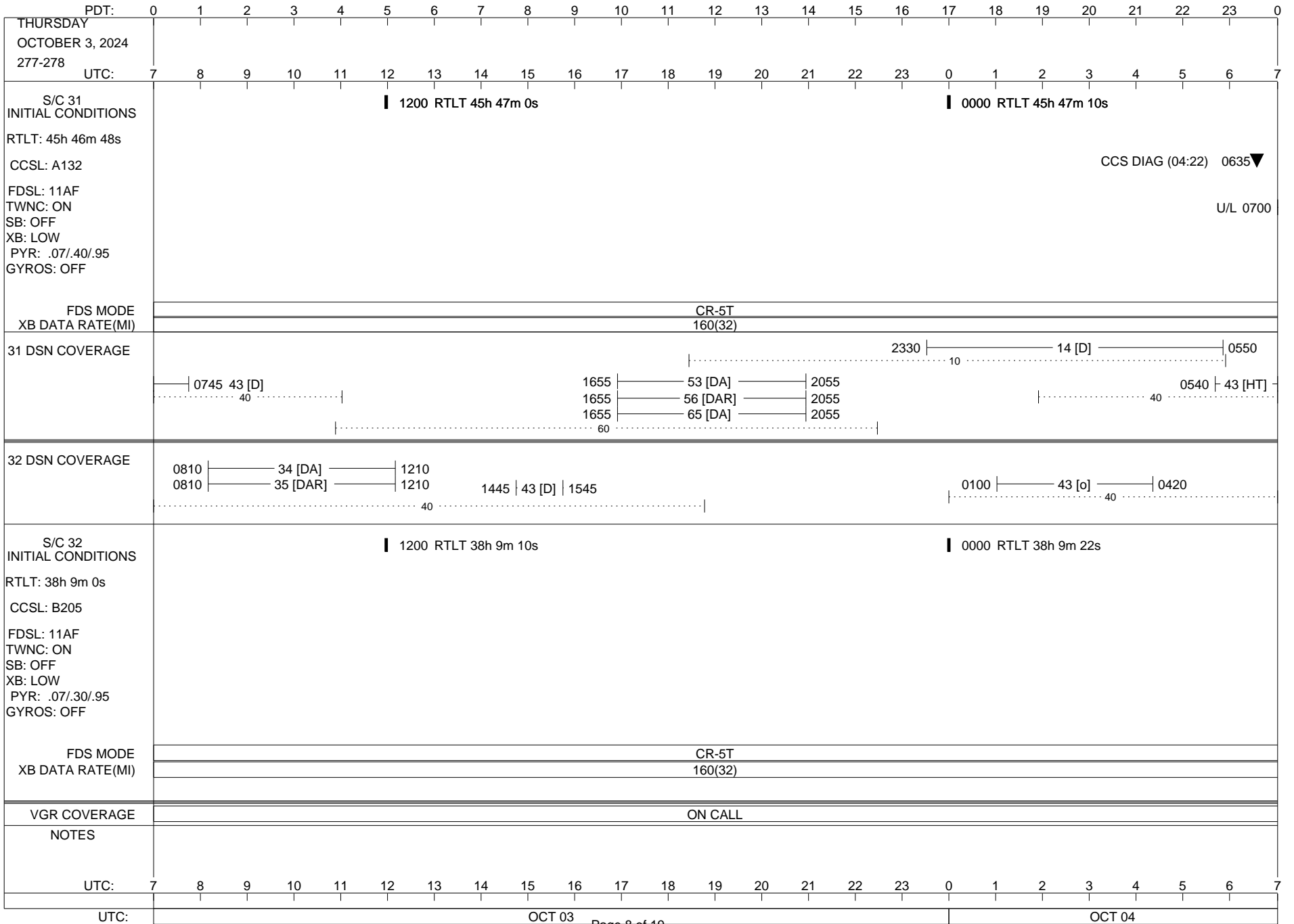


ISSUE DATE: 09/25/24 07:25

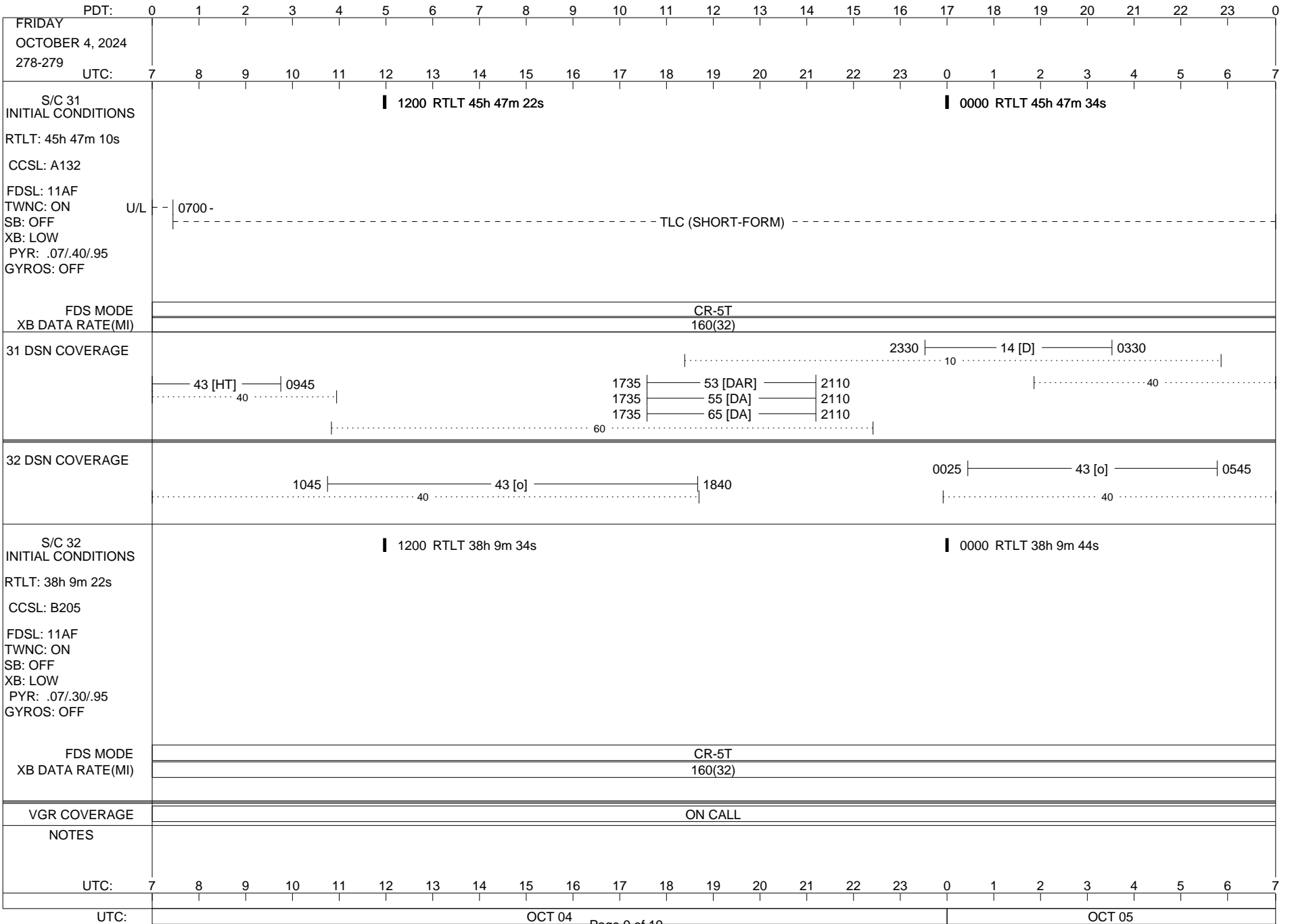




ISSUE DATE: 09/25/24 07:25



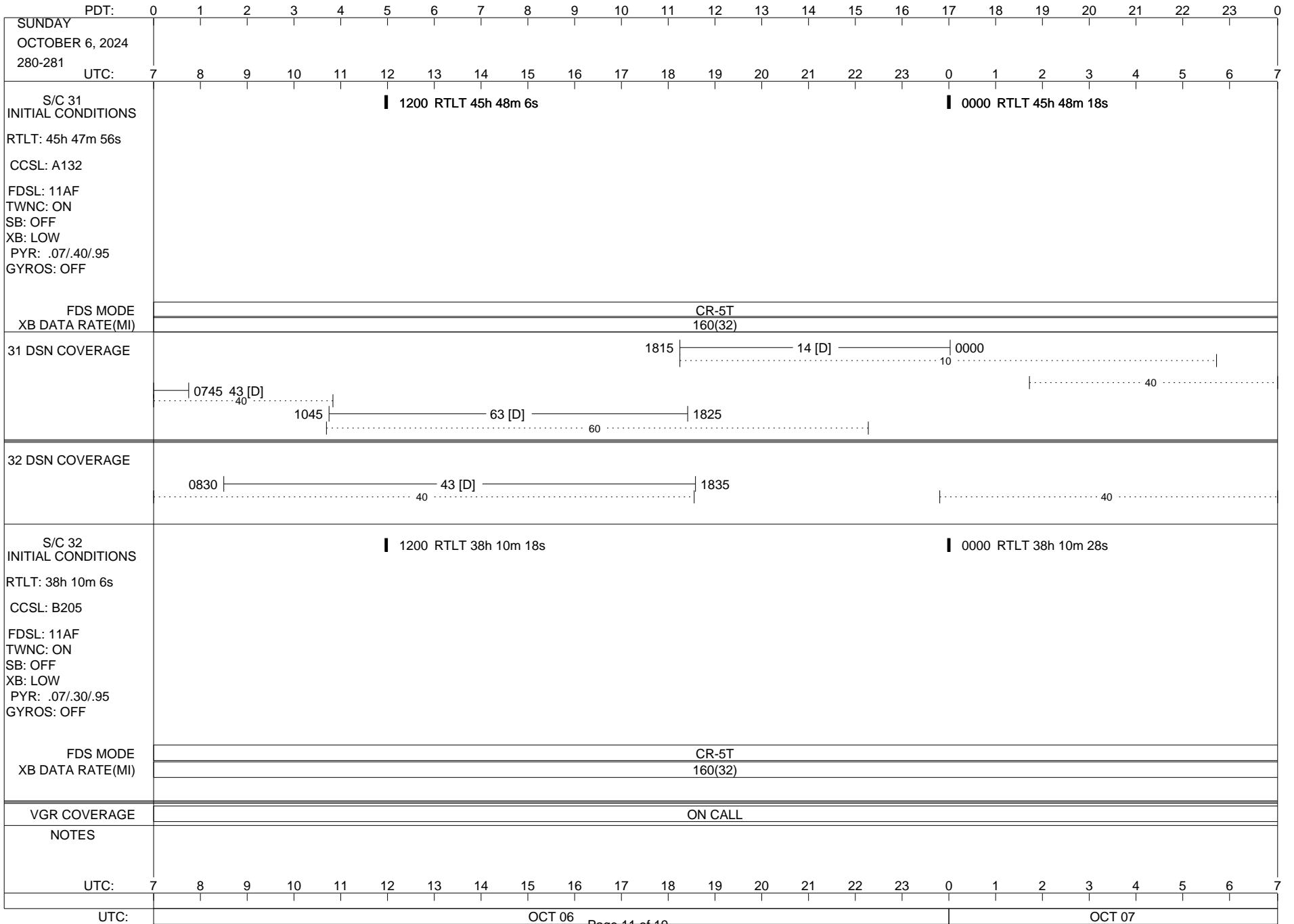
ISSUE DATE: 09/25/24 07:25



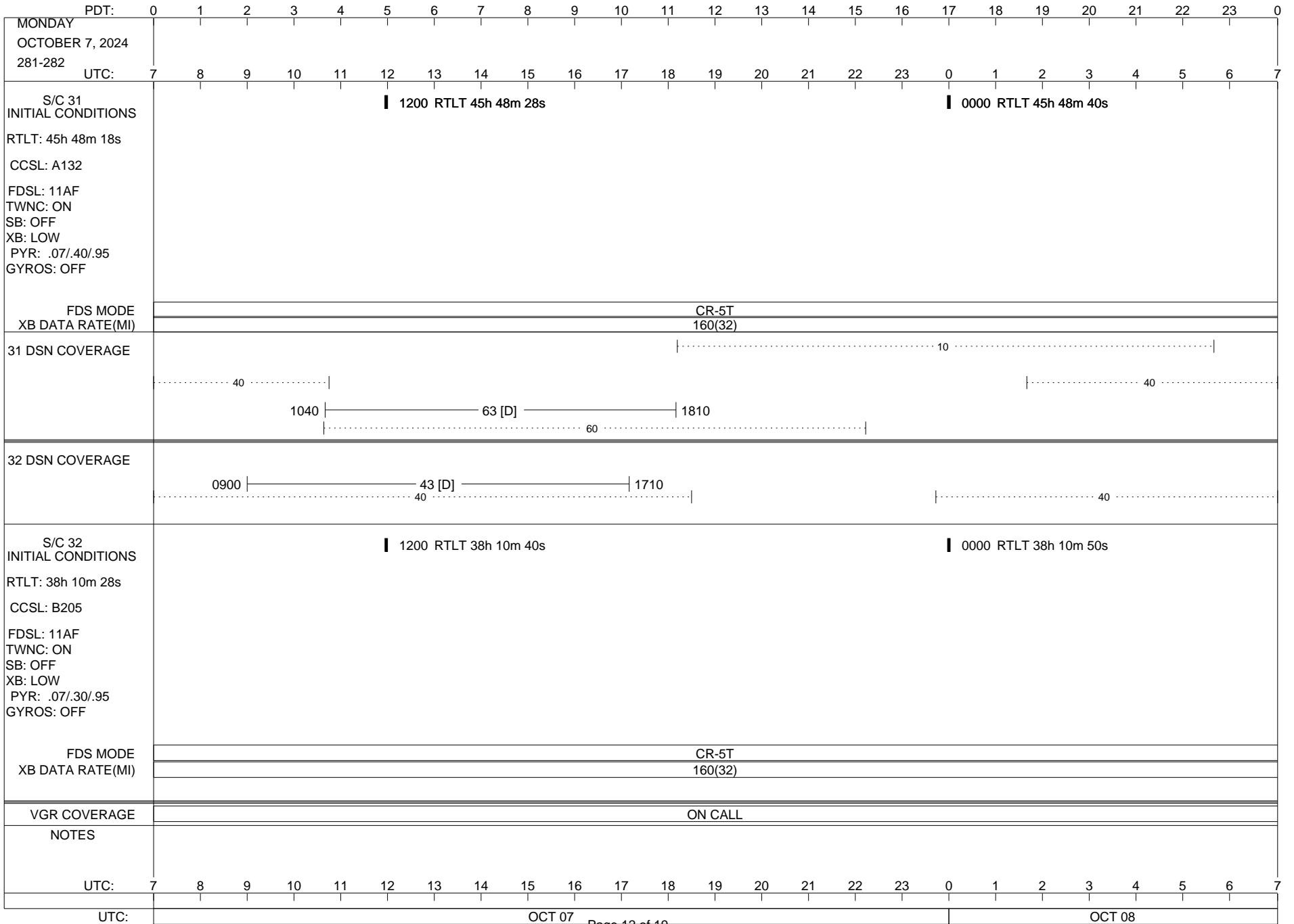
ISSUE DATE: 09/25/24 07:25

| 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<br>OCTOBER 5, 2024<br>279-280   | 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<br>INITIAL CONDITIONS<br>RTLTL: 45h 47m 34s<br>CCSL: A132<br>FDSL: 11AF<br>TWNC: ON<br>SB: OFF<br>XB: LOW<br>PYR: .07/.40/.95<br>GYROS: OFF | █ 1200 RTLT 45h 47m 44s            |   |   |    |    |    |    |    |    |    |    |    | █ 0000 RTLT 45h 47m 56s                                   |    |    |    |    |    |    |    |    |    |    |    |   |
| FDS MODE<br>XB DATA RATE(MI)   | CR-5T<br>160(32)                   |   |   |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |
| 31 DSN COVERAGE  | .....40.....                       |   |   |    |    |    |    |    |    |    |    |    | 2220   14 [D]   2335 0210   14 [D]   0545<br>.....10..... |    |    |    |    |    |    |    |    |    |    |    |   |
|  | 1315   63 [D]   2105               |   |   |    |    |    |    |    |    |    |    |    | .....40.....  0545   43 [D]                               |    |    |    |    |    |    |    |    |    |    |    |   |
|  | .....60.....                       |   |   |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |
| 32 DSN COVERAGE  | .....40.....  1420   43 [D]   1840 |   |   |    |    |    |    |    |    |    |    |    | 0020   43 [H1B]   0455<br>.....40.....                    |    |    |    |    |    |    |    |    |    |    |    |   |
| S/C 32<br>INITIAL CONDITIONS<br>RTLTL: 38h 9m 44s<br>CCSL: B205<br>FDSL: 11AF<br>TWNC: ON<br>SB: OFF<br>XB: LOW<br>PYR: .07/.30/.95<br>GYROS: OFF  | █ 1200 RTLT 38h 9m 56s             |   |   |    |    |    |    |    |    |    |    |    | █ 0000 RTLT 38h 10m 6s                                    |    |    |    |    |    |    |    |    |    |    |    |   |
| FDS MODE<br>XB DATA RATE(MI)   | CR-5T<br>160(32)                   |   |   |    |    |    |    |    |    |    |    |    | DUMMY (5 MIN BRACKETED 16:03) 0152▼                       |    |    |    |    |    |    |    |    |    |    |    |   |
| VGR COVERAGE   | ON CALL                            |   |   |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |
| NOTES  | [1] HP TXR DRV ON >= 01:25         |   |   |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |
| 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  |    |    |    |    |    |    |    |    |    |    |    |   |

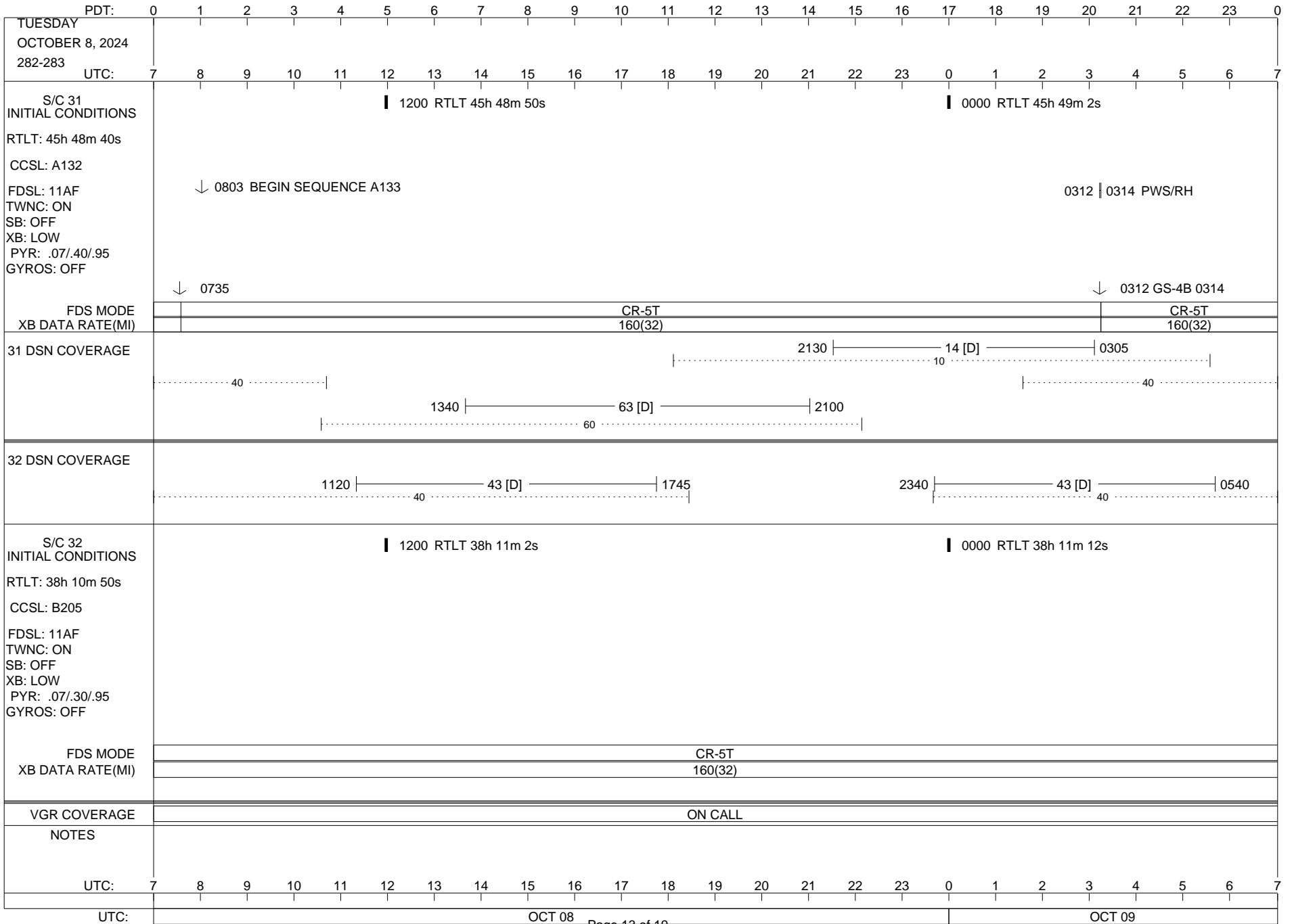
ISSUE DATE: 09/25/24 07:25



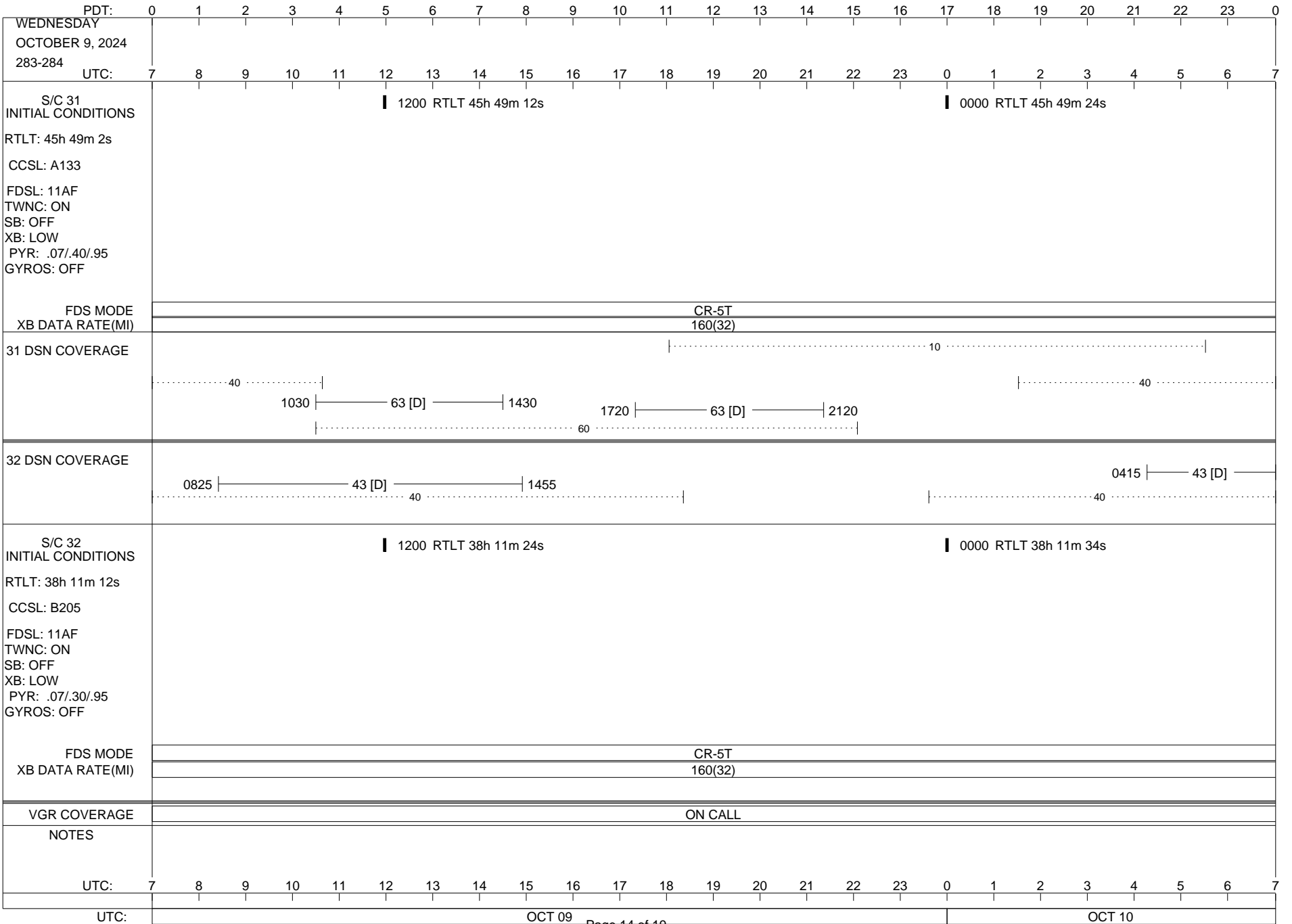
ISSUE DATE: 09/25/24 07:25



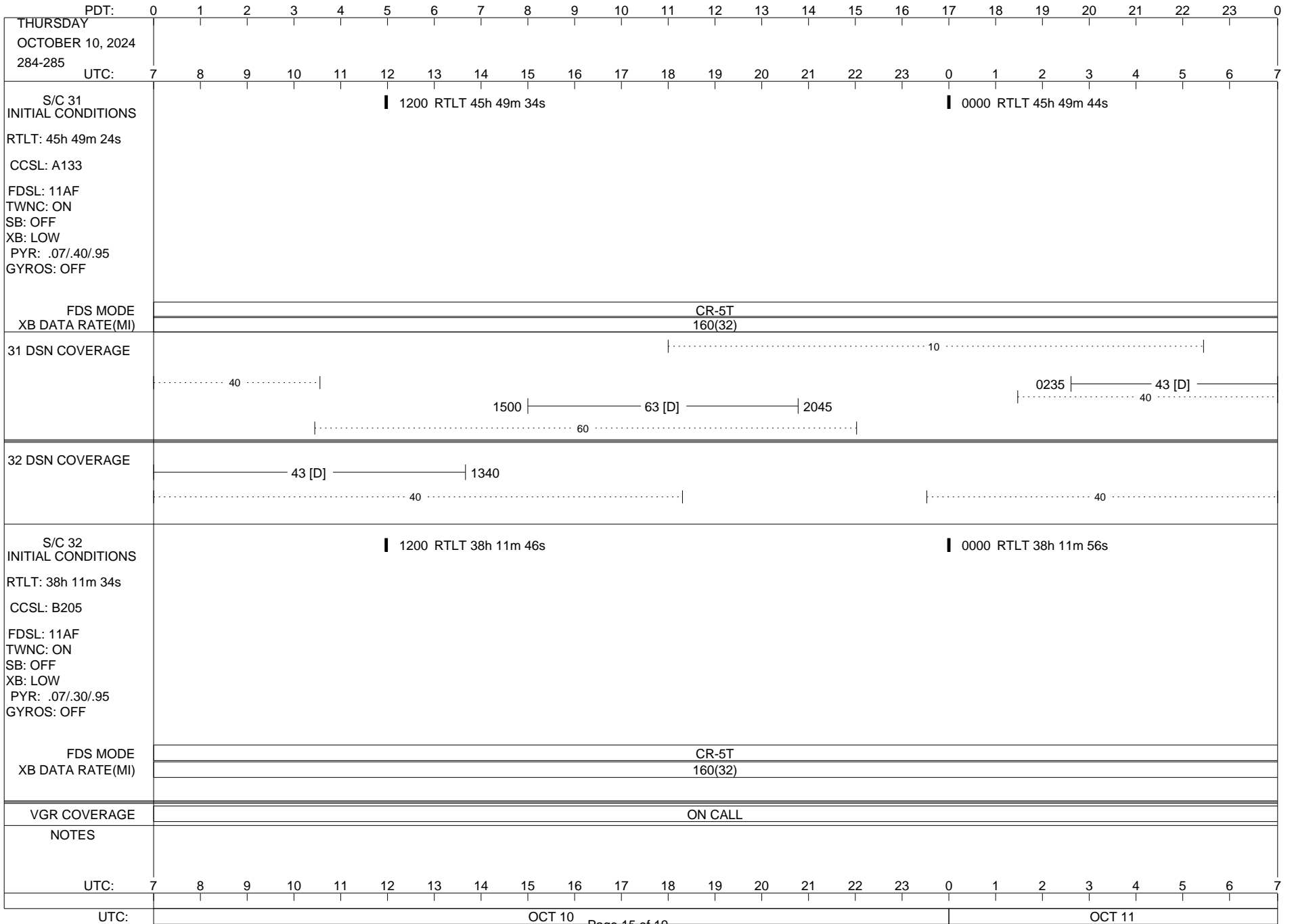
ISSUE DATE: 09/25/24 07:25



ISSUE DATE: 09/25/24 07:25



ISSUE DATE: 09/25/24 07:25

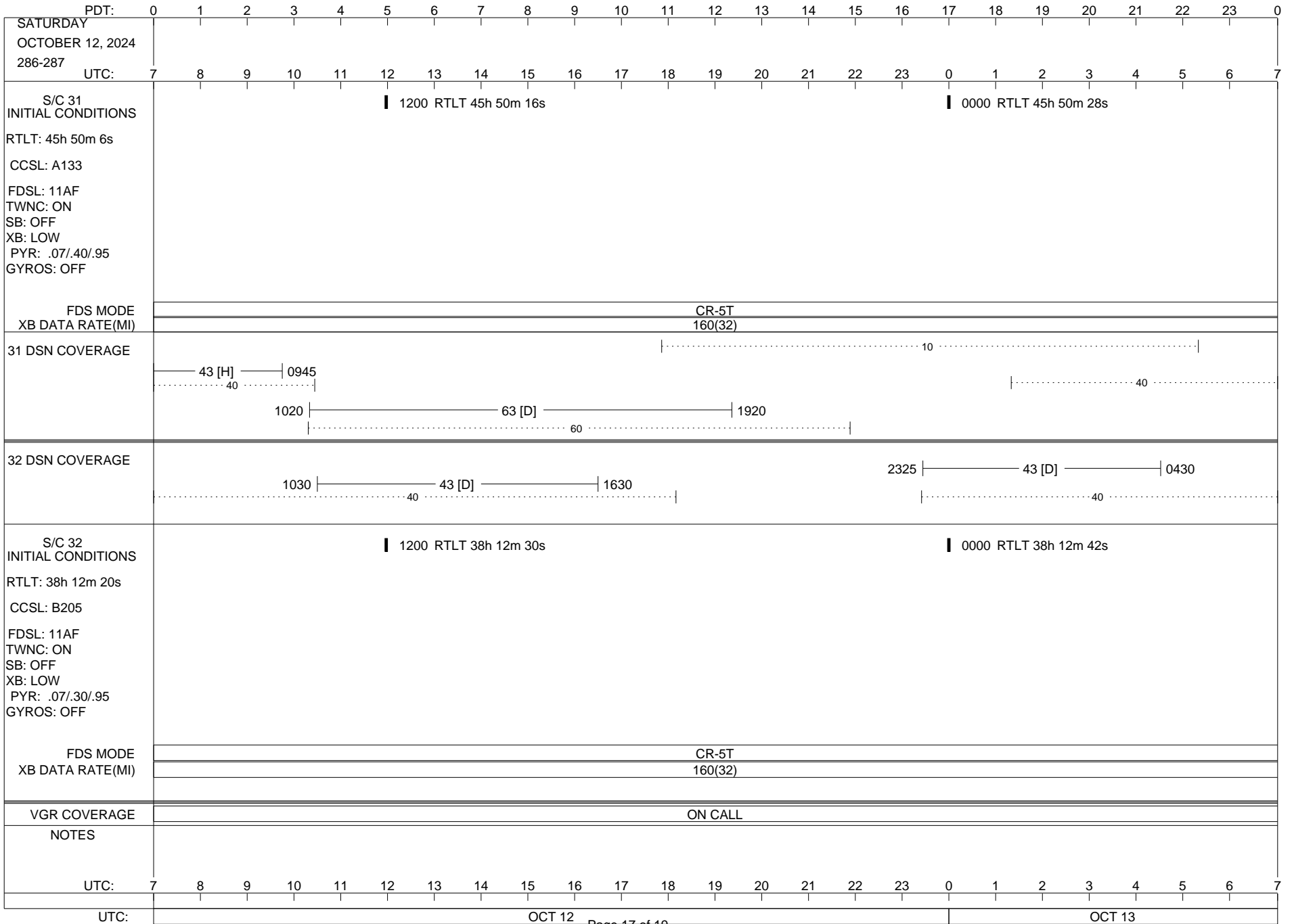




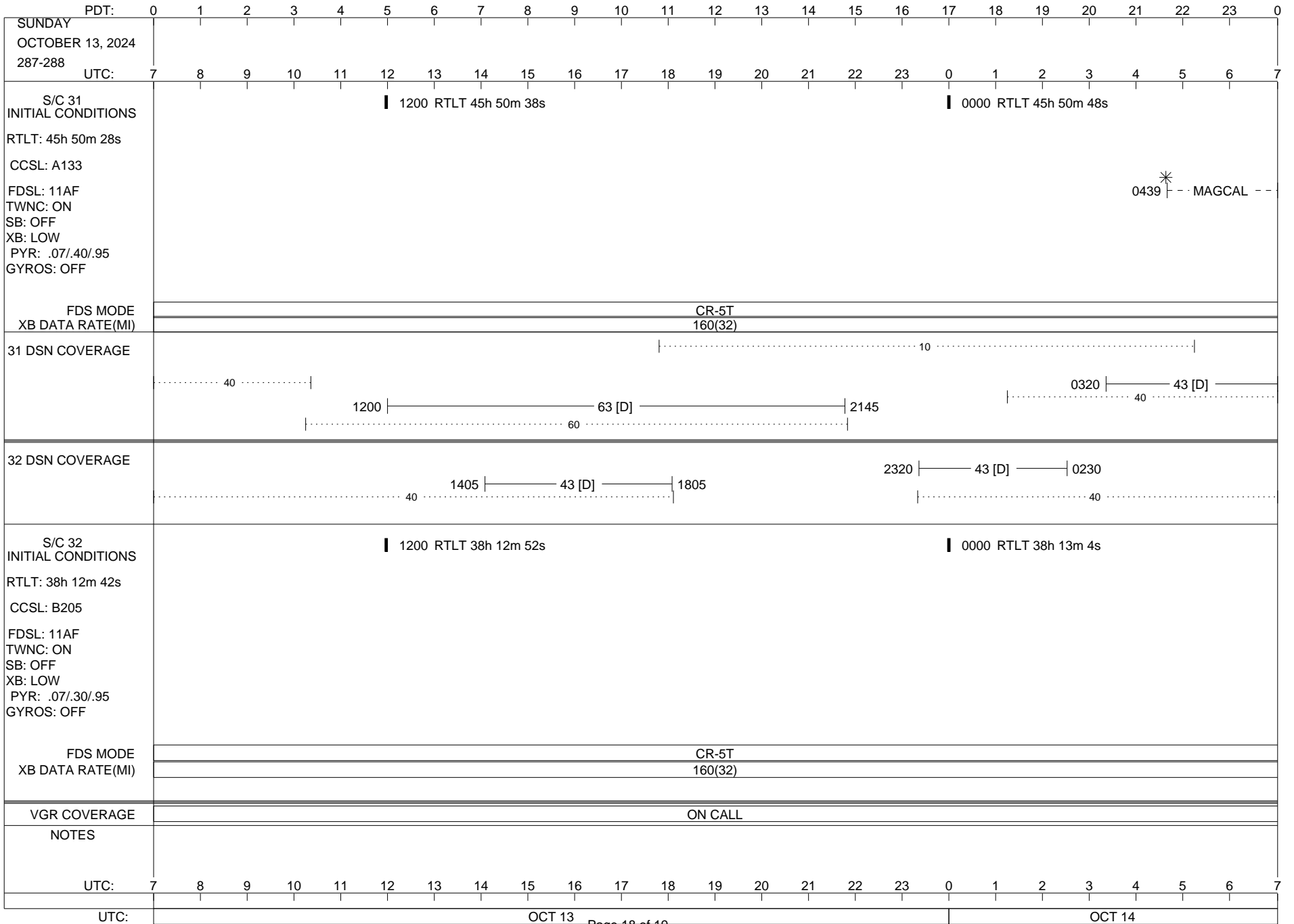
ISSUE DATE: 09/25/24 07:25

| 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<br>OCTOBER 11, 2024<br>285-286  |                            |   |   |    |    |    |    |    |    |    |    |    |                                     |        |    |    |    |    |    |    |    |    |    |    |   |  |
| 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<br>INITIAL CONDITIONS<br>RTLTL: 45h 49m 44s<br>CCSL: A133<br>FDSL: 11AF<br>TWNC: ON<br>SB: OFF<br>XB: LOW<br>PYR: .07/.40/.95<br>GYROS: OFF | 1200 RTLTL 45h 49m 56s     |   |   |    |    |    |    |    |    |    |    |    | 0000 RTLTL 45h 50m 6s               |        |    |    |    |    |    |    |    |    |    |    |   |  |
| FDS MODE   | CR-5T                      |   |   |    |    |    |    |    |    |    |    |    |                                     |        |    |    |    |    |    |    |    |    |    |    |   |  |
| XB DATA RATE(MI)   | 160(32)                    |   |   |    |    |    |    |    |    |    |    |    |                                     |        |    |    |    |    |    |    |    |    |    |    |   |  |
| 31 DSN COVERAGE  | 43 [D]   0800<br>40        |   |   |    |    |    |    |    |    |    |    |    | 1650   63 [D]   2155<br>60          |        |    |    |    |    |    |    |    |    |    |    |   |  |
| 32 DSN COVERAGE  | 0900   43 [o]   1520<br>40 |   |   |    |    |    |    |    |    |    |    |    | 0000   43 [H1B]   0410<br>40        |        |    |    |    |    |    |    |    |    |    |    |   |  |
| S/C 32<br>INITIAL CONDITIONS<br>RTLTL: 38h 11m 56s<br>CCSL: B205<br>FDSL: 11AF<br>TWNC: ON<br>SB: OFF<br>XB: LOW<br>PYR: .07/.30/.95<br>GYROS: OFF | 1200 RTLTL 38h 12m 8s      |   |   |    |    |    |    |    |    |    |    |    | 0000 RTLTL 38h 12m 20s              |        |    |    |    |    |    |    |    |    |    |    |   |  |
| FDS MODE   | CR-5T                      |   |   |    |    |    |    |    |    |    |    |    | DUMMY (5 MIN BRACKETED 16:00) 0147▼ |        |    |    |    |    |    |    |    |    |    |    |   |  |
| XB DATA RATE(MI)   | 160(32)                    |   |   |    |    |    |    |    |    |    |    |    |                                     |        |    |    |    |    |    |    |    |    |    |    |   |  |
| VGR COVERAGE   |                            |   |   |    |    |    |    |    |    |    |    |    | ON CALL                             |        |    |    |    |    |    |    |    |    |    |    |   |  |
| NOTES  | [1] HP TXR DRV ON >= 01:00 |   |   |    |    |    |    |    |    |    |    |    |                                     |        |    |    |    |    |    |    |    |    |    |    |   |  |
| 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 11                     |   |   |    |    |    |    |    |    |    |    |    |                                     | OCT 12 |    |    |    |    |    |    |    |    |    |    |   |  |

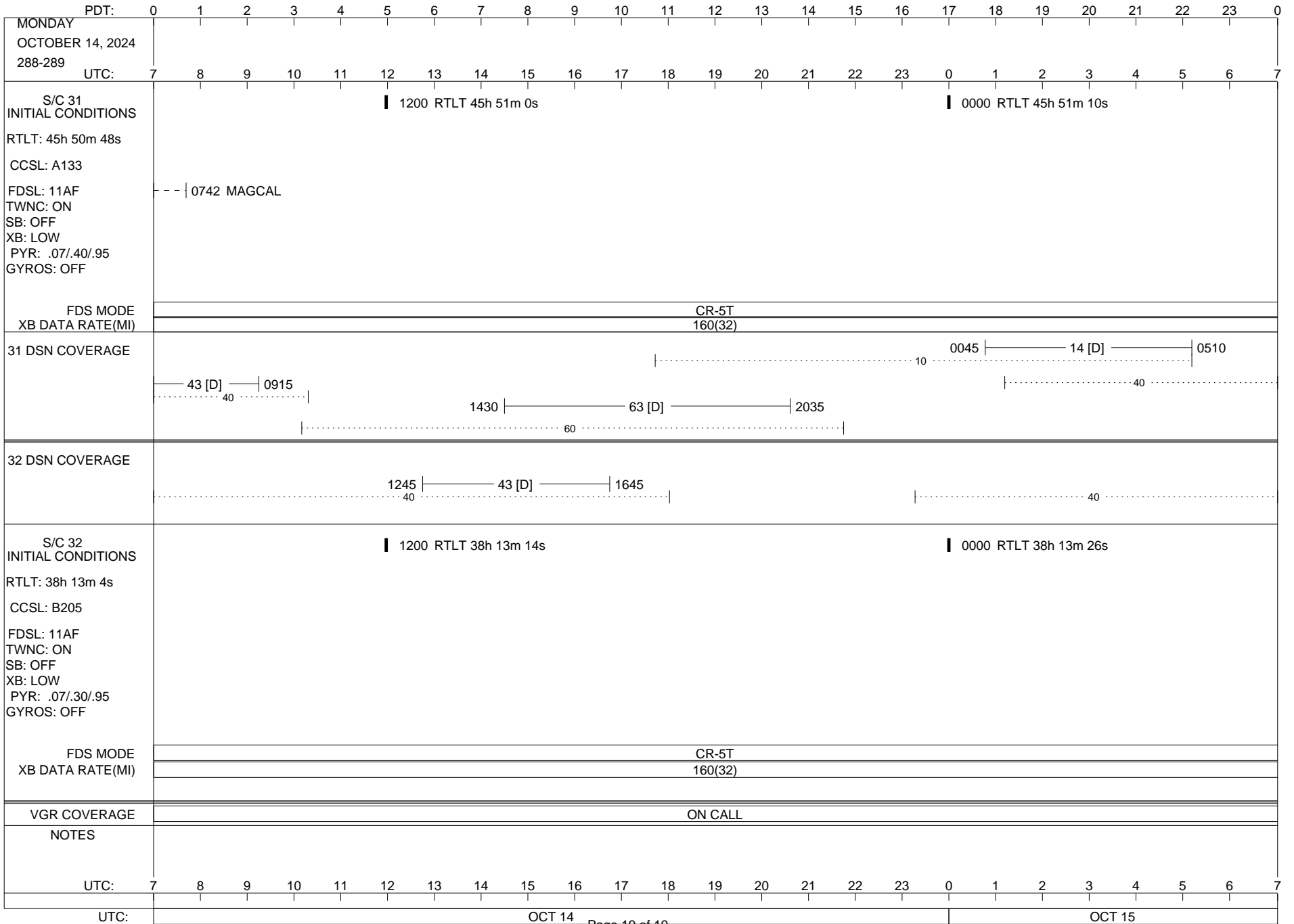
ISSUE DATE: 09/25/24 07:25



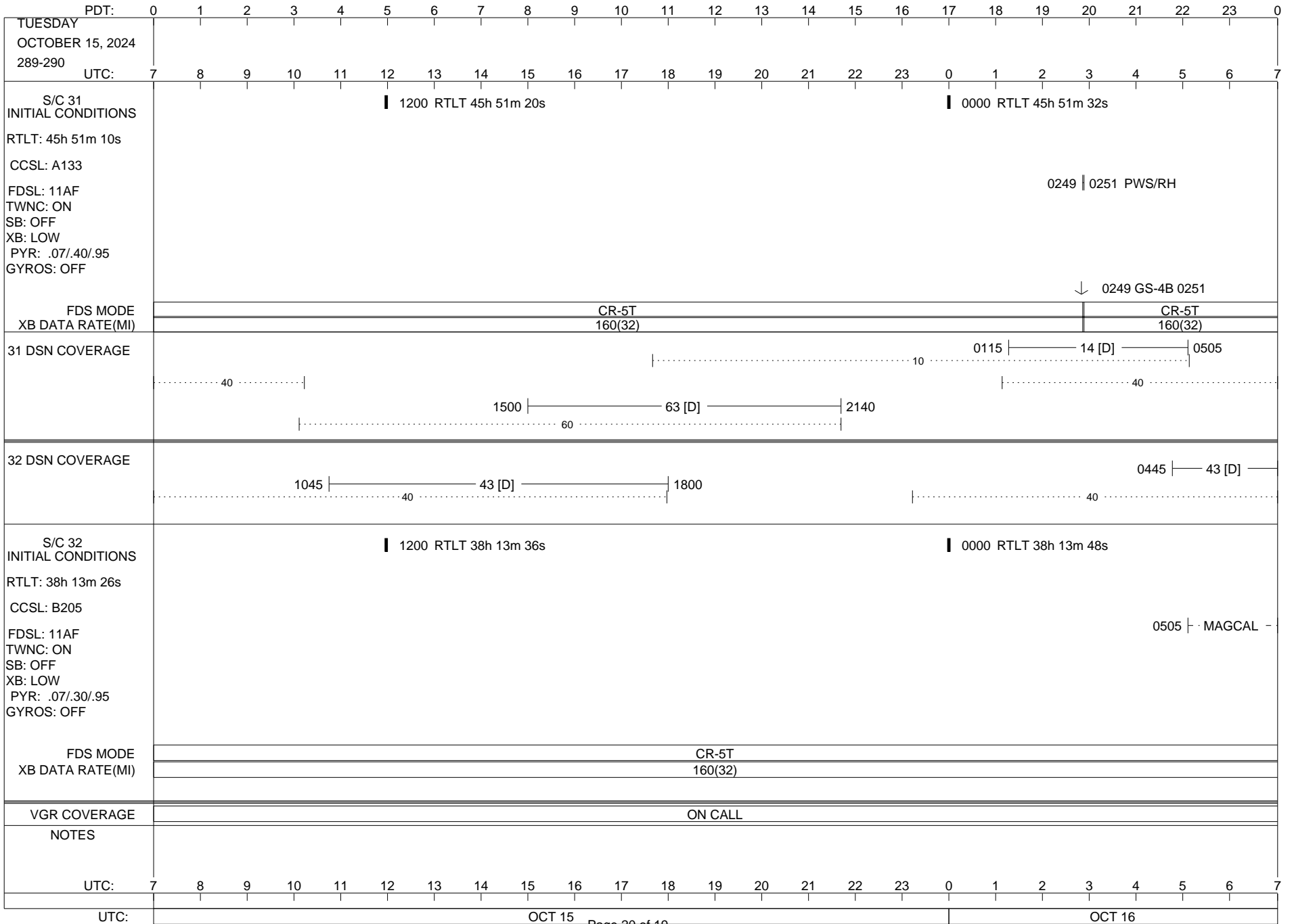
ISSUE DATE: 09/25/24 07:25



ISSUE DATE: 09/25/24 07:25



ISSUE DATE: 09/25/24 07:25



1200 RTLT 45h 51m 20s

0000 RTLT 45h 51m 32s

0249 | 0251 PWS/RH

↓ 0249 GS-4B 0251

CR-5T  
160(32)

CR-5T  
160(32)

0115 | 14 [D] | 0505

40

40

1500 | 63 [D] | 2140

60

1045 | 43 [D] | 1800

40

0445 | 43 [D]

40

1200 RTLT 38h 13m 36s

0000 RTLT 38h 13m 48s

0505 | MAGCAL

CR-5T  
160(32)

ON CALL