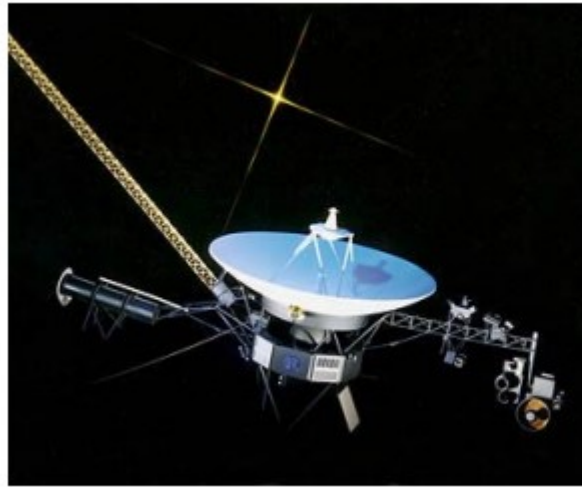


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: August 9, 2023

For the Period: 08/10/23 to 08/28/23 (23/222 – 23/240)

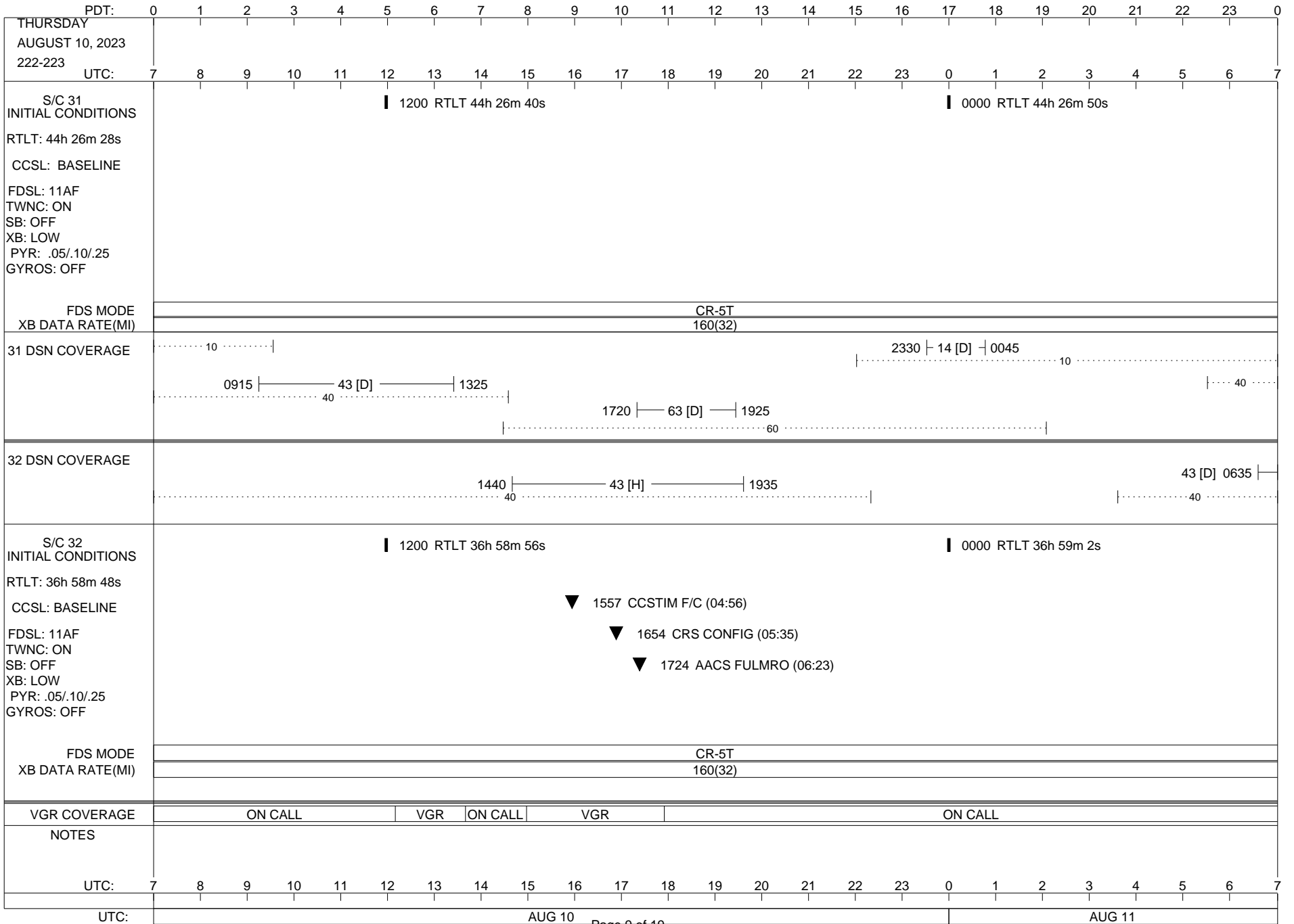


Posted at <https://voyager.jpl.nasa.gov/mission/status/>

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

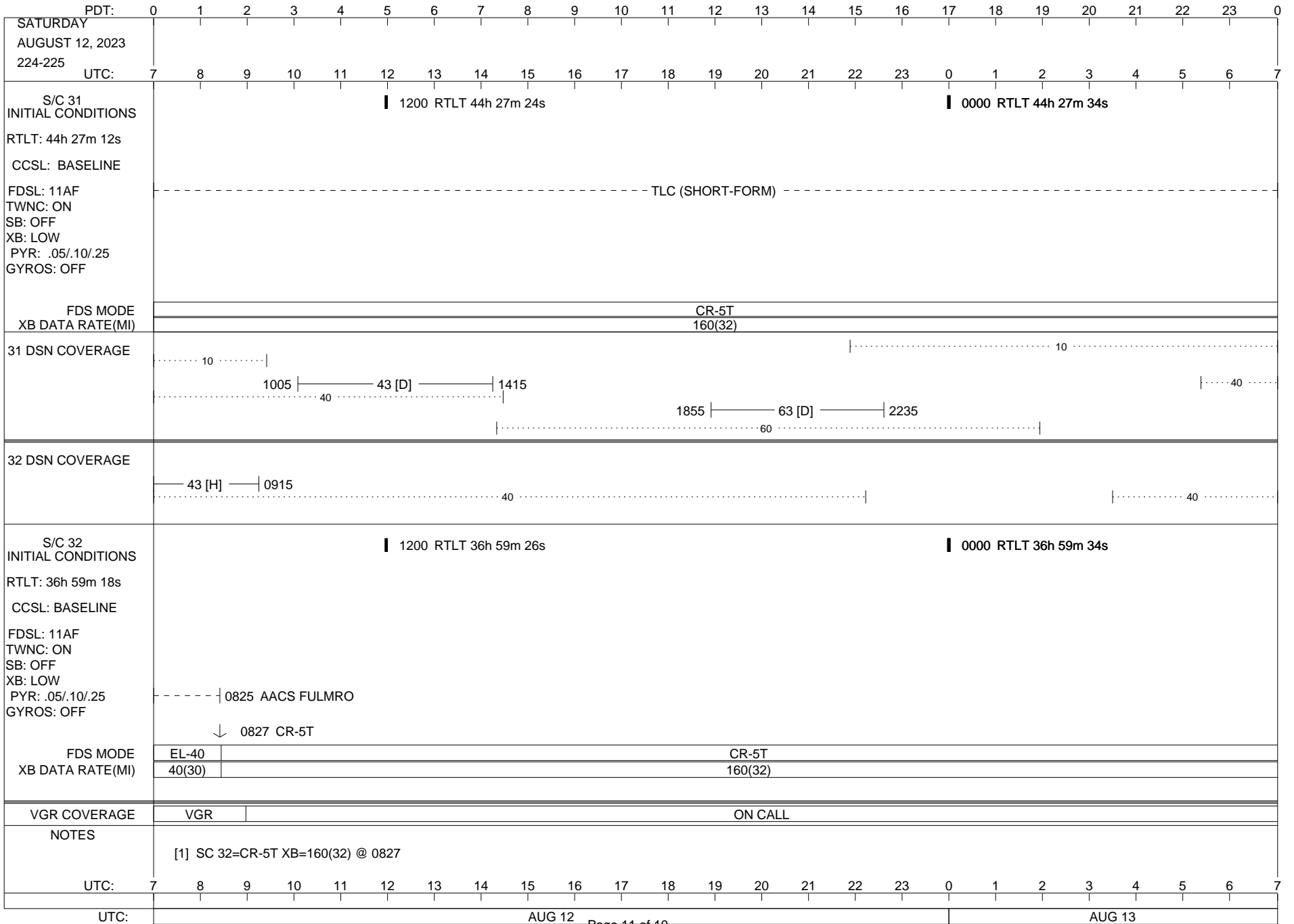
ISSUE DATE: 08/08/23 16:29



ISSUE DATE: 08/08/23 16:29

| 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 |
|---|--|---|---|----|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|-----|----|----|---|
| FRIDAY AUGUST 11, 2023 223-224 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: 44h 26m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLT 44h 27m 2s | | | | | | | | | | | | 0000 RTLT 44h 27m 12s | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | 10 40 | | | | | | | | | | | | 0145 ----- 14 [T] ----- 0610 10 1425 ----- 63 [D] ----- 1715 60 | | | | | | | | | | | | |
| 32 DSN COVERAGE | ----- 43 [D] ----- 1025 40 | | | | | | | | | | | | 1845 ----- 43 [D] ----- 2035 40 0350 ----- 43 [H] ----- 40 | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 36h 59m 2s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLT 36h 59m 10s | | | | | | | | | | | | 0000 RTLT 36h 59m 18s | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | | | | | | | | | | VGR | | | |
| NOTES | [1] SC 32=EL-40 XB=40(30) @ 0624 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: | AUG 11 | | | | | | | | | | | | AUG 12 | | | | | | | | | | | | |

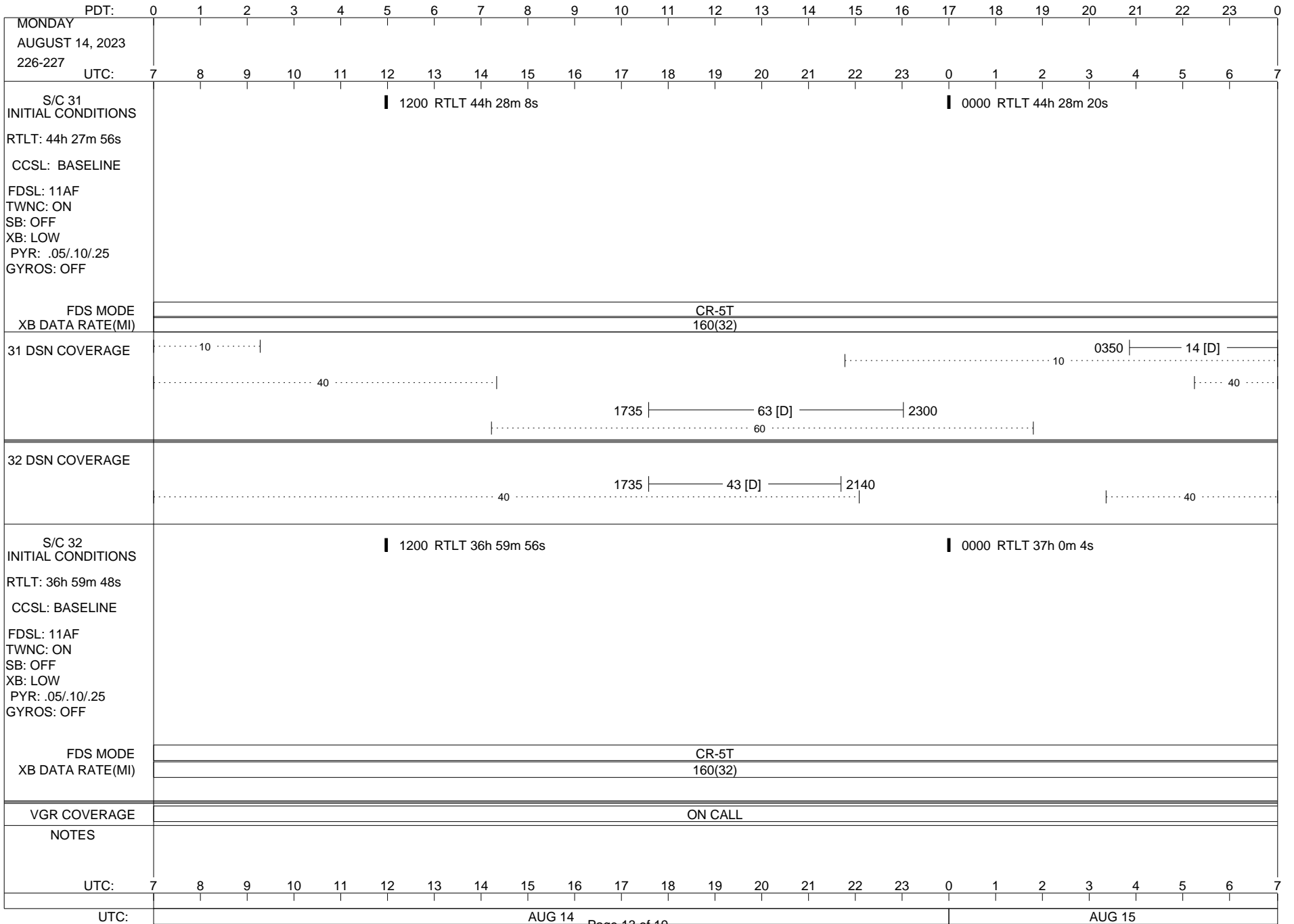
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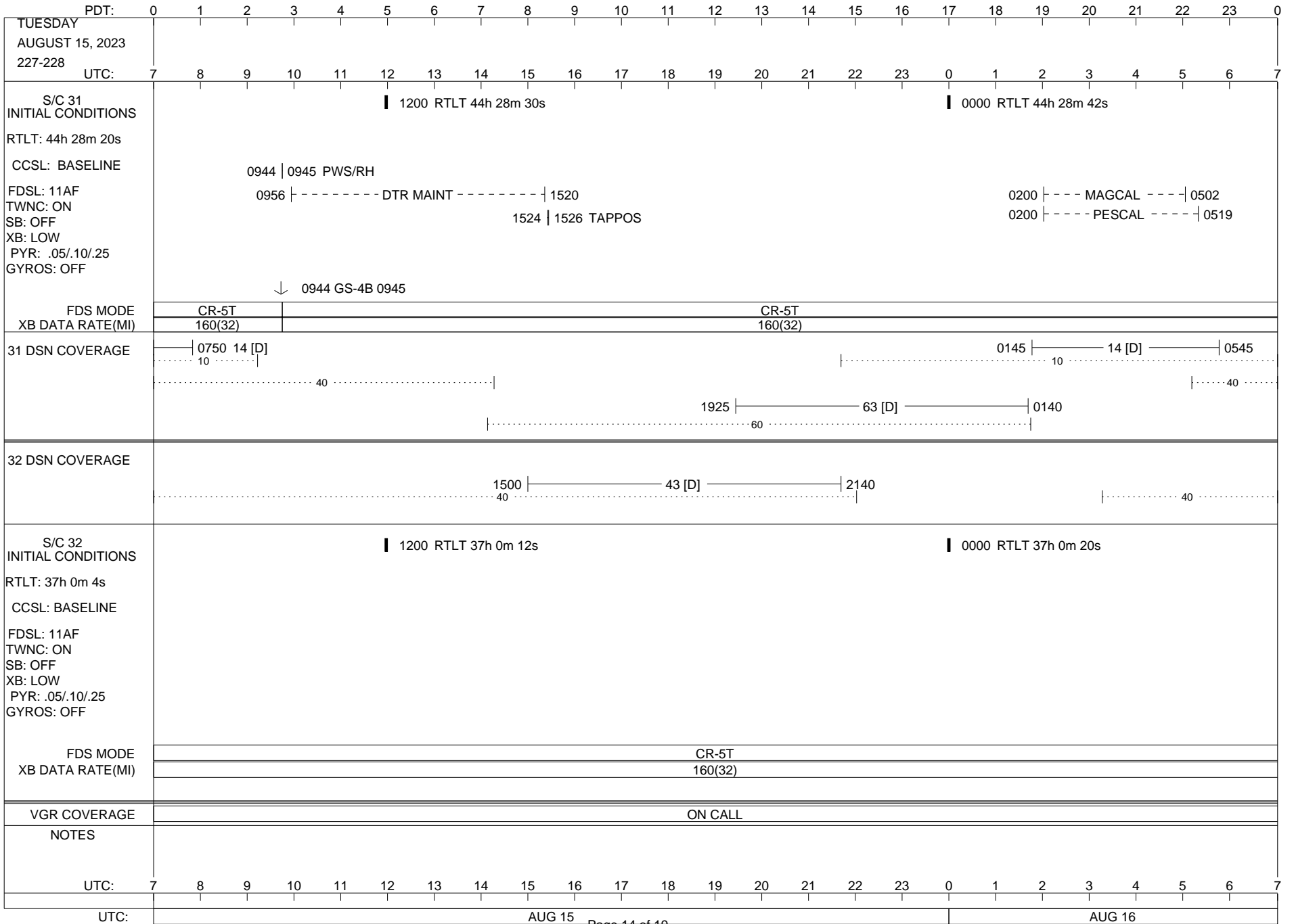


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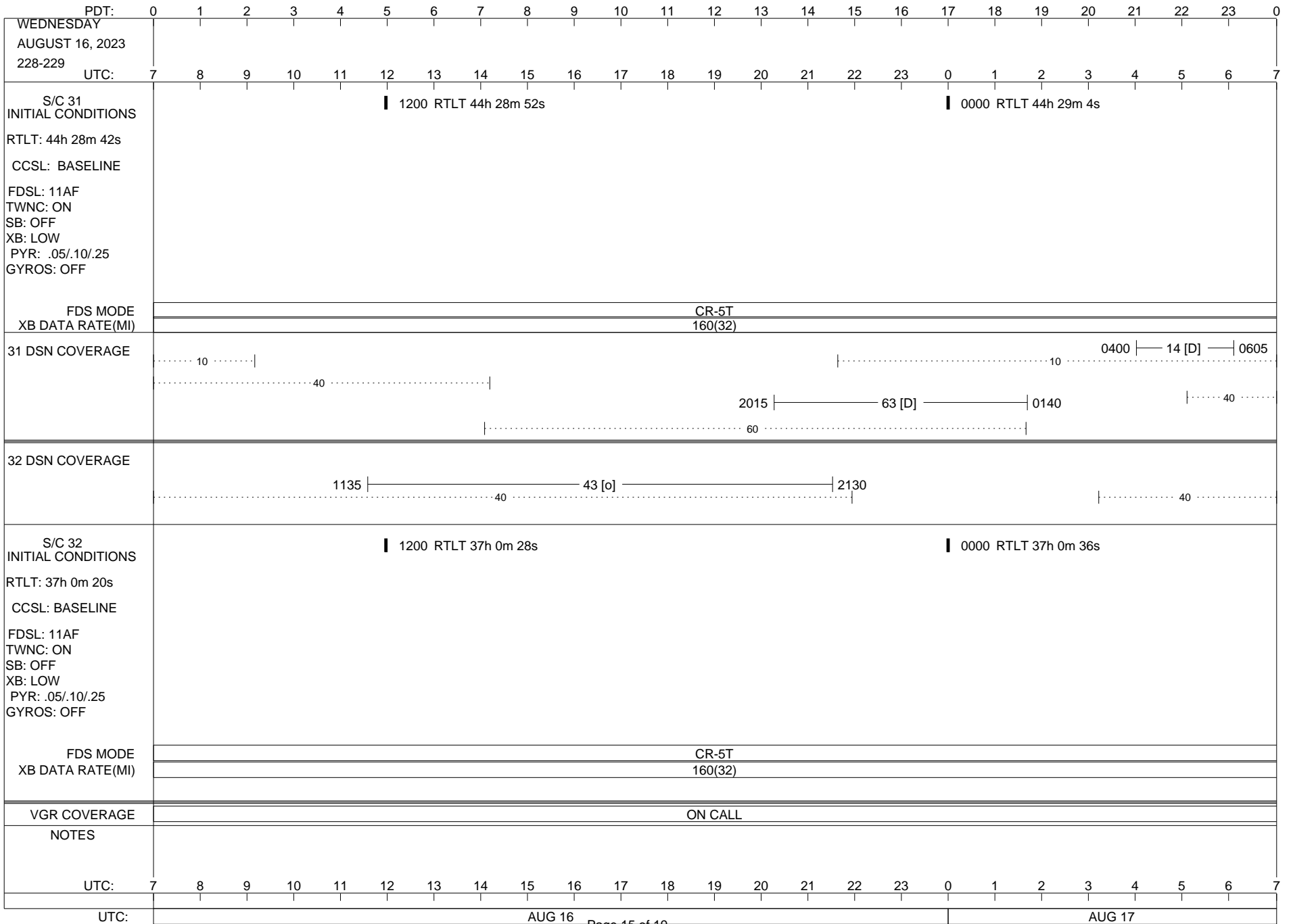
| PDT: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 |
|--|---|---|---|----|----|----|----|----|----|----|----|----|--------------------------------|----|----|----|----|----|---------|----|----|----|----|----|---|
| SUNDAY AUGUST 13, 2023 225-226 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: 44h 27m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLTL 44h 27m 46s | | | | | | | | | | | | 0000 RTLTL 44h 27m 56s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE |10..... | | | | | | | | | | | |10..... | | | | | | | | | | | | |
| |40..... | | | | | | | | | | | |40..... | | | | | | | | | | | | |
| | | | | | | | | | | | | | 1855 ----- 63 [D] ----- 0100 | | | | | | | | | | | | |
| | | | | | | | | | | | | | ----- 60 ----- | | | | | | | | | | | | |
| 32 DSN COVERAGE | 0820 ----- 43 [D] ----- 2210 | | | | | | | | | | | |40..... | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 36h 59m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLTL 36h 59m 40s | | | | | | | | | | | | 0000 RTLTL 36h 59m 48s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | EL-40 40(30) | | | | | | | | | | | | |
| | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | VGR | | | | | | ON CALL | | | | | | |
| NOTES | [1] SC 32=EL-40 XB=40(30) @ 1833 [2] SC 32=CR-5T XB=160(32) @ 2124 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: | AUG 13 | | | | | | | | | | | | | | | | | | AUG 14 | | | | | | |

ISSUE DATE: 08/08/23 16:29

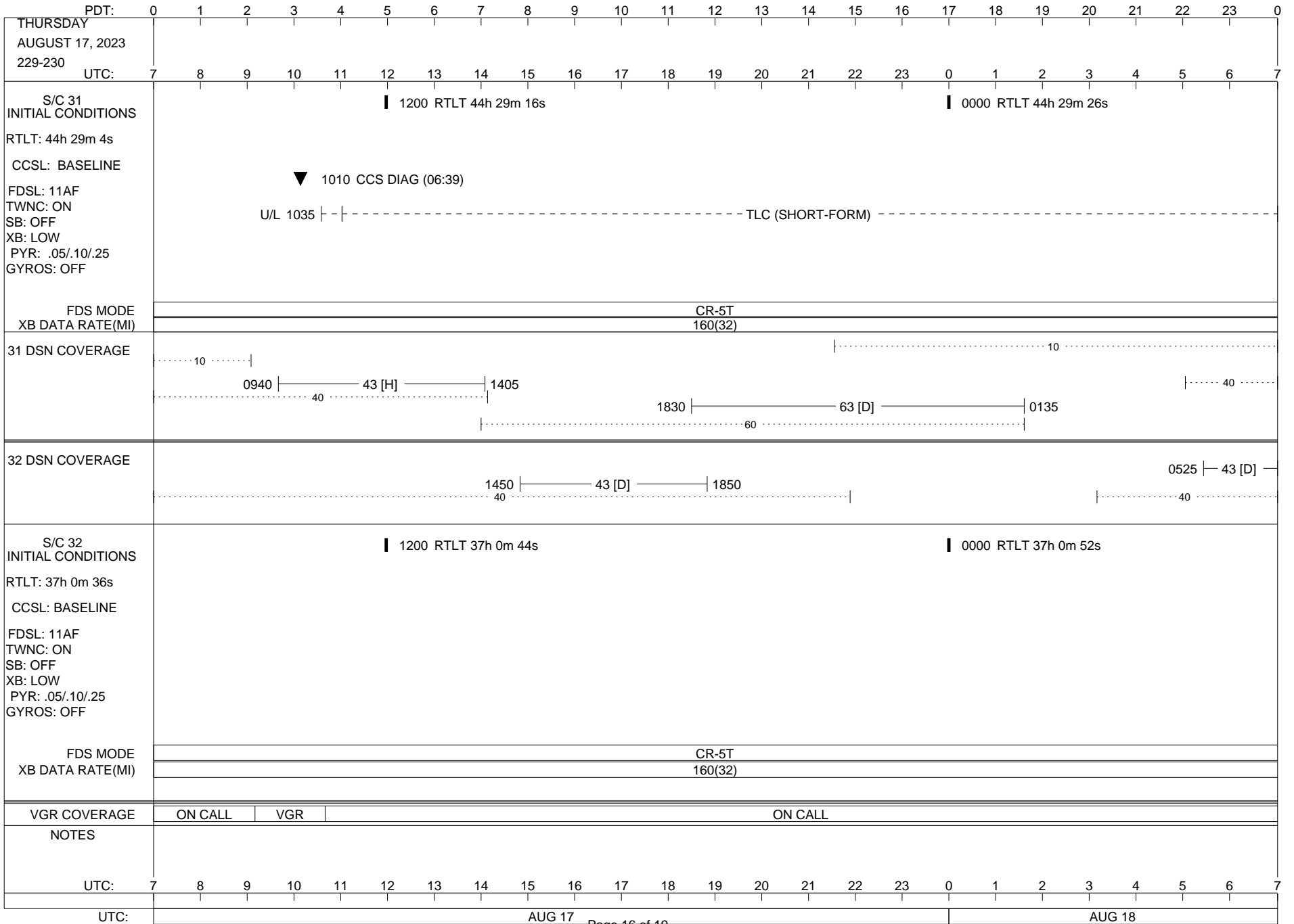




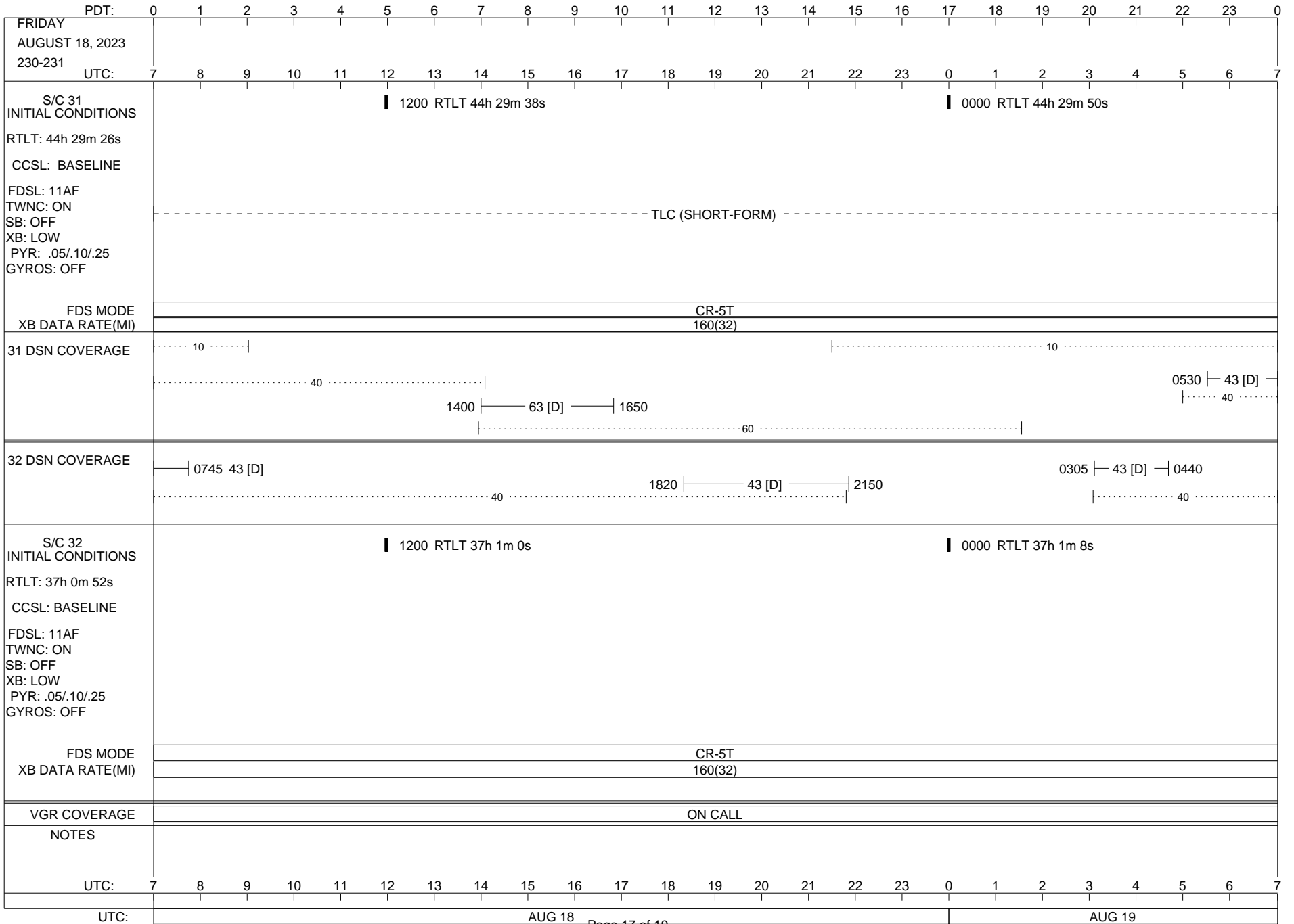
ISSUE DATE: 08/08/23 16:29



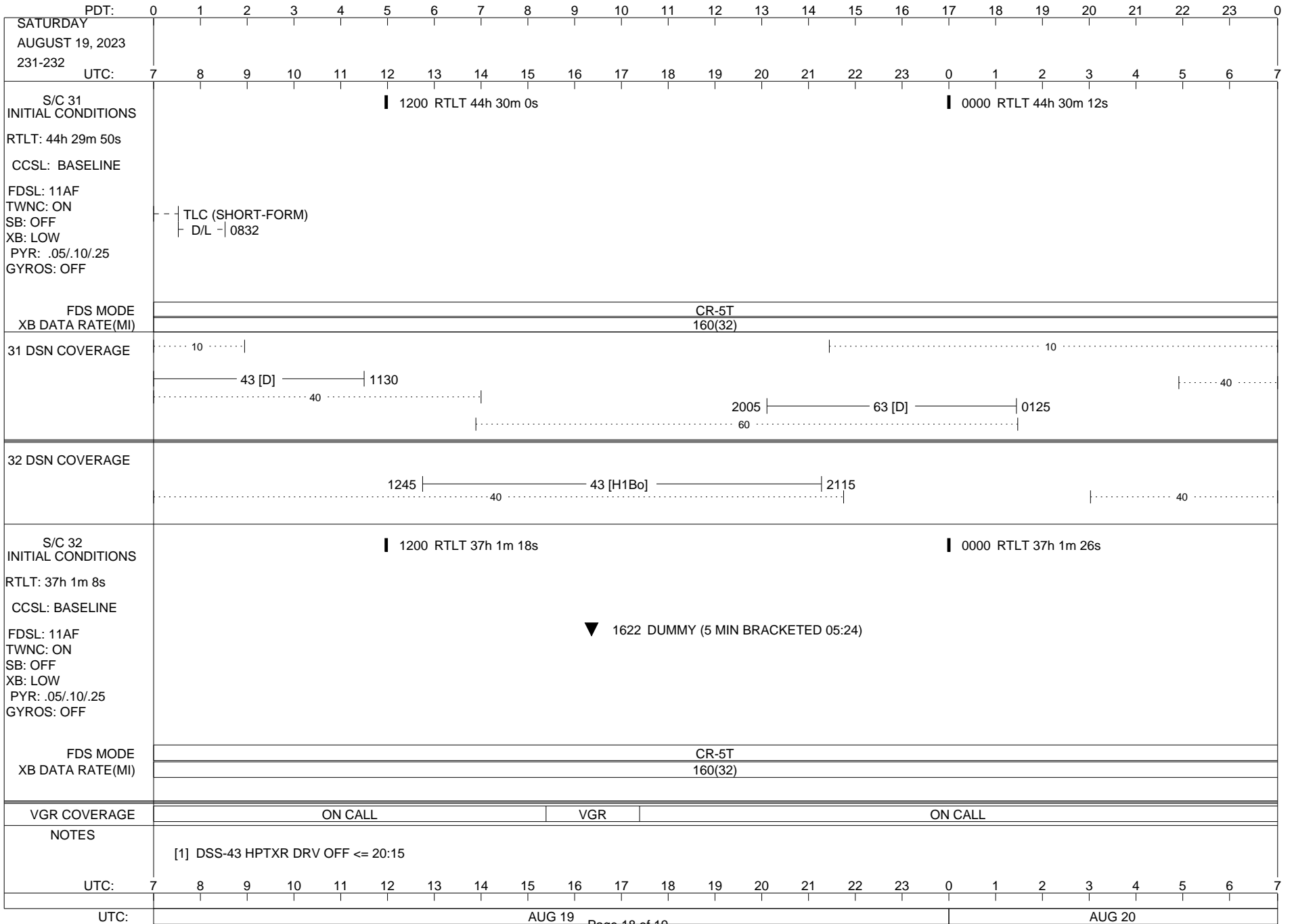
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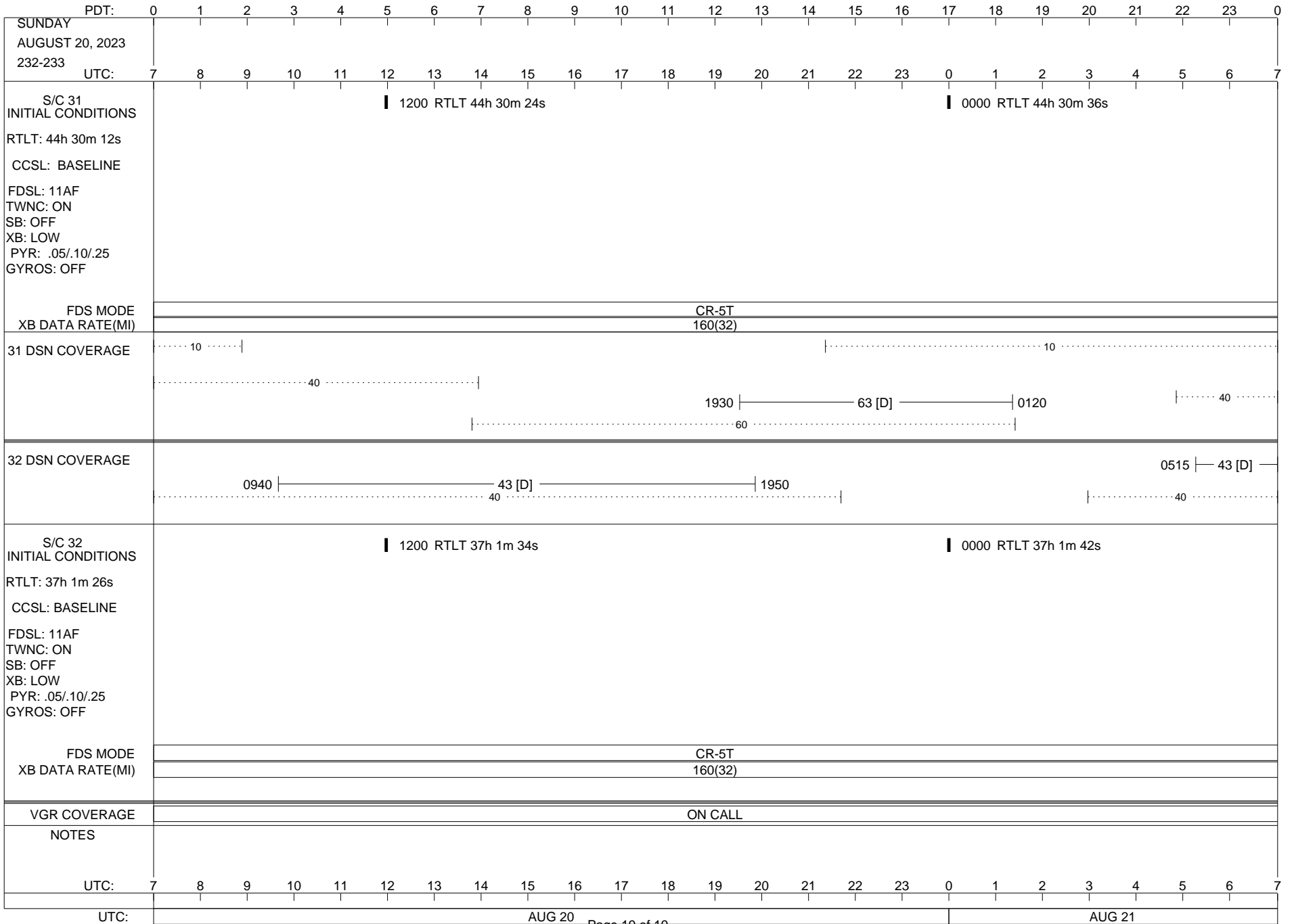


ISSUE DATE: 08/08/23 16:29



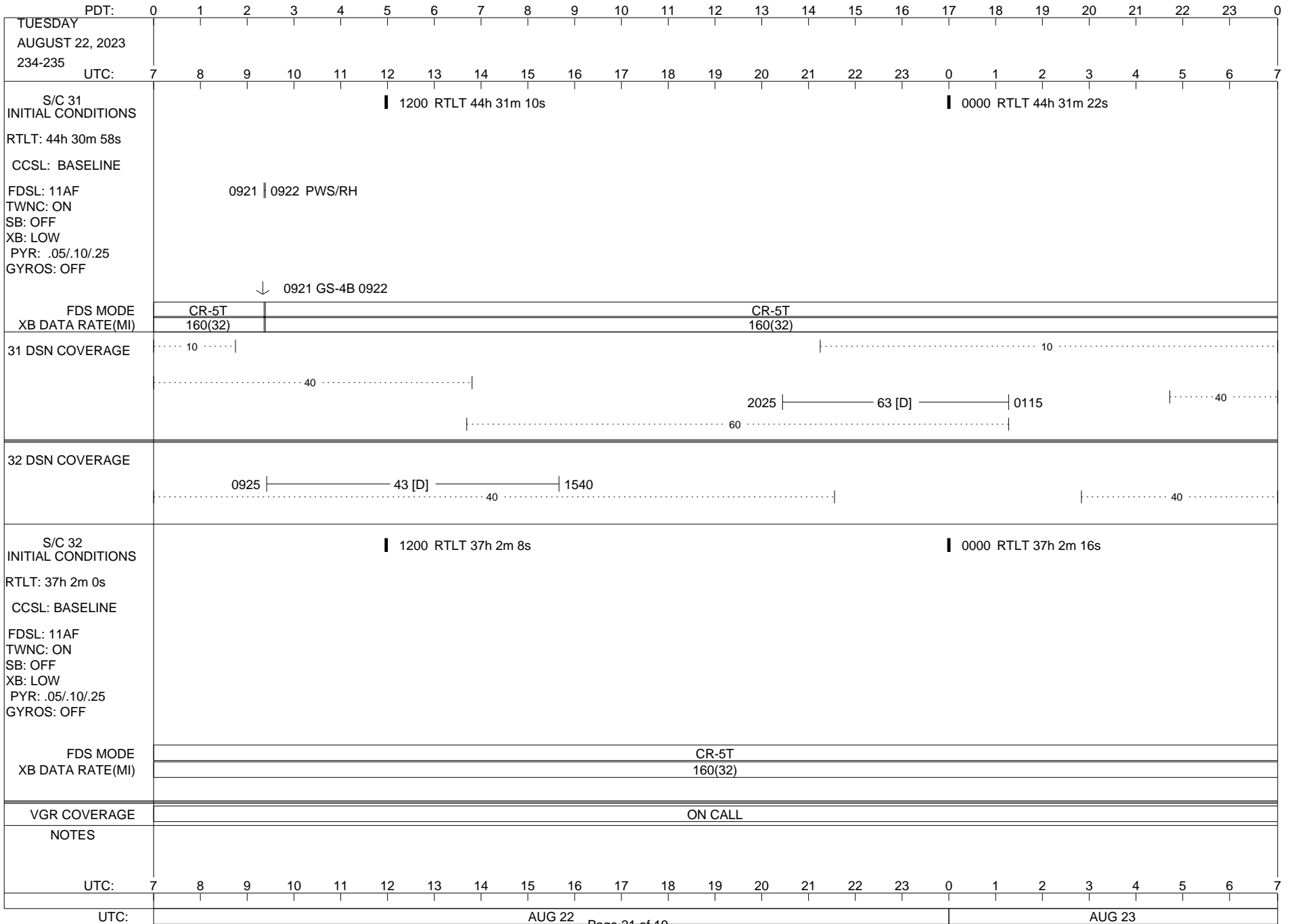
ISSUE DATE: 08/08/23 16:29





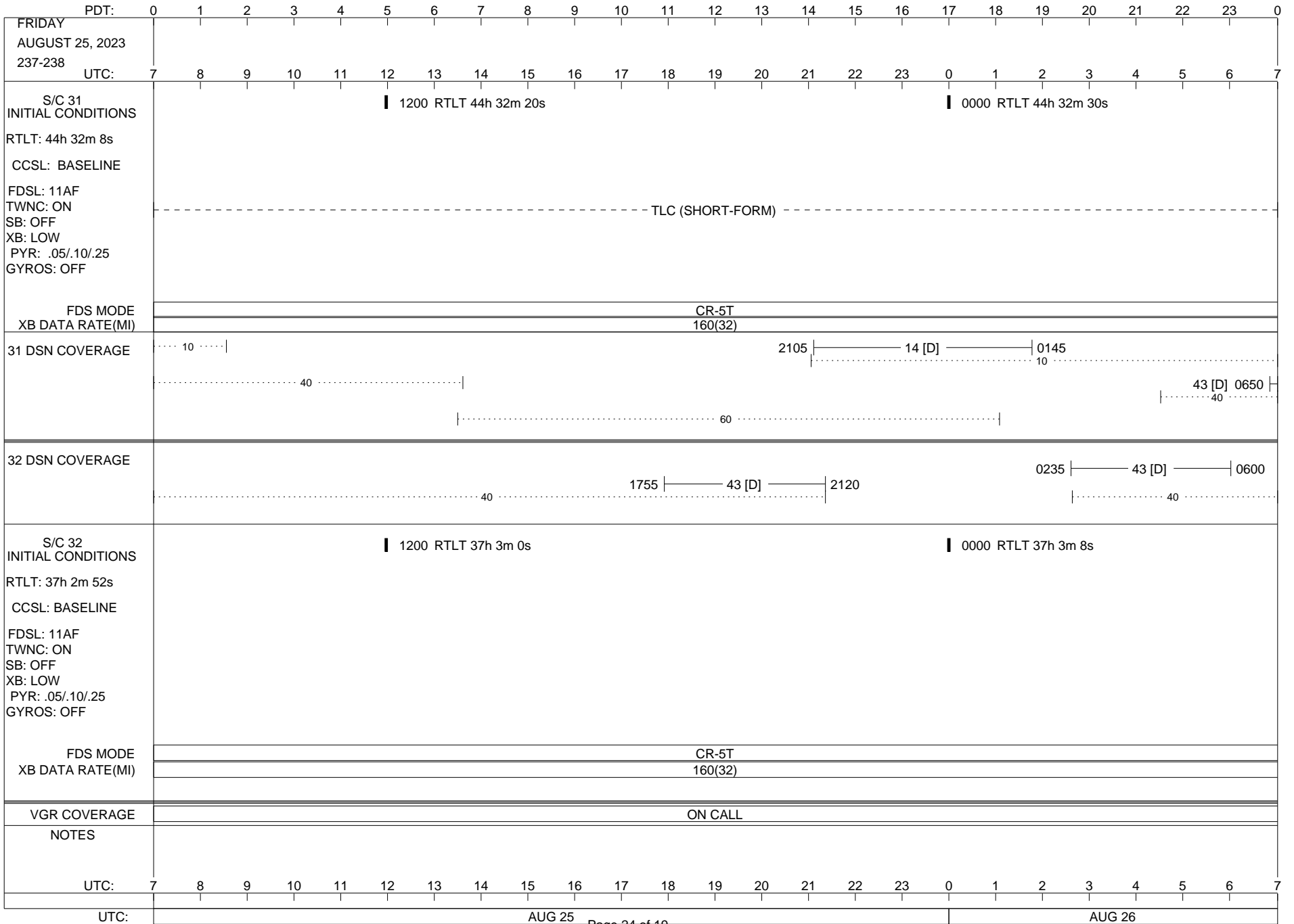
ISSUE DATE: 08/08/23 16:29

| 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 AUGUST 21, 2023 233-234 | 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: 44h 30m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLT 44h 30m 46s | | | | | | | | | | | | 0000 RTLT 44h 30m 58s | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | | |
| 31 DSN COVERAGE |10 0940 ----- 43 [D] ----- 134040 1835 ----- 63 [D] ----- 012060 | | | | | | | | | | | |1040 | | | | | | | | | | | | | |
| 32 DSN COVERAGE | --- 43 [D] --- 0850 1425 ----- 43 [D] ----- 173040 | | | | | | | | | | | |40 | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 37h 1m 42s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLT 37h 1m 50s | | | | | | | | | | | | 0000 RTLT 37h 2m 0s | | | | | | | | | | | | | |
| 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: | AUG 21 | | | | | | | | | | | | | AUG 22 | | | | | | | | | | | | |

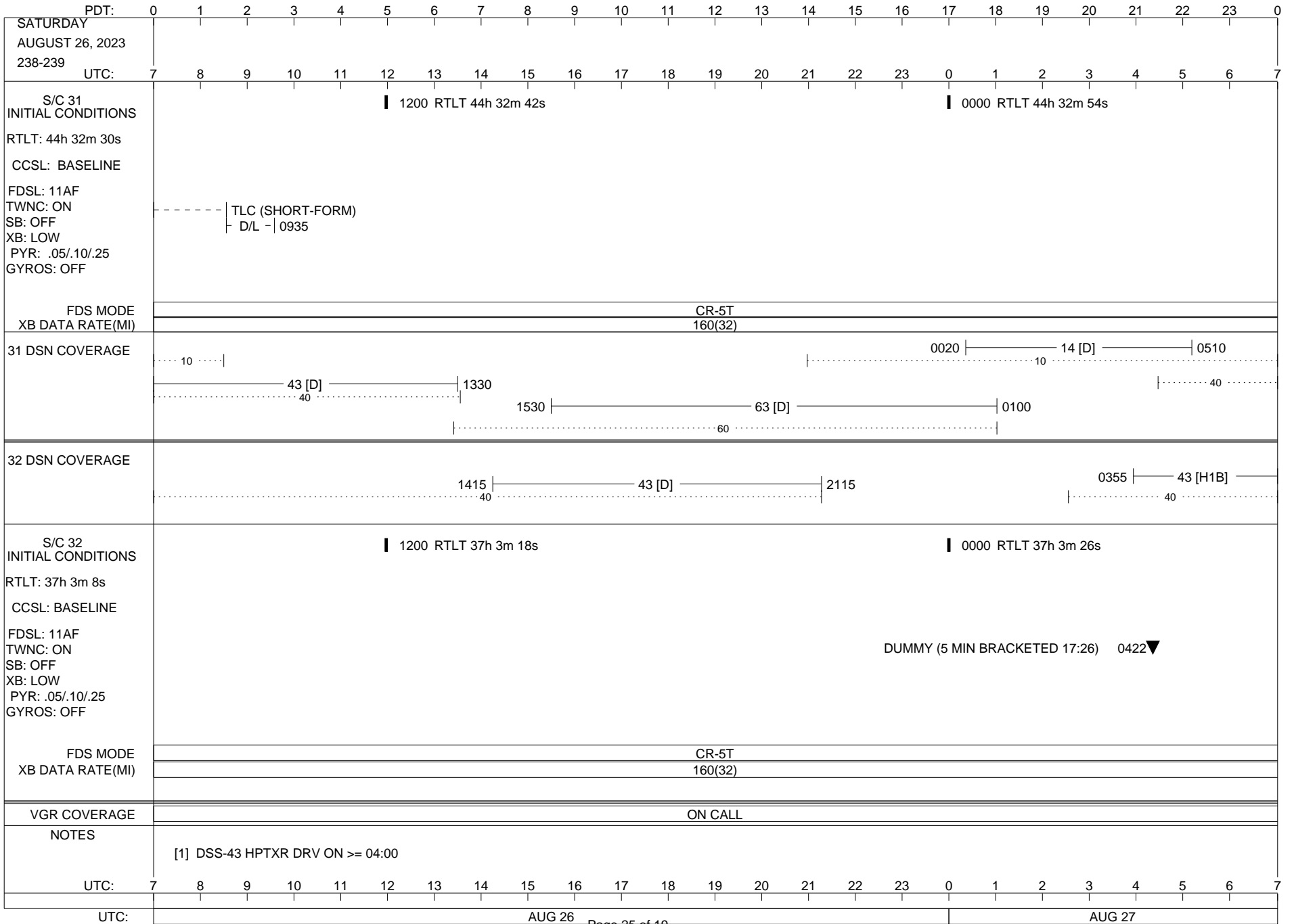


| PDT: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | |
|---|----------------------------|---|---|----|----|----|----|----|----|----|----|----|-----------------------------|--------|----|----|----|----|----|----|----|----|----|----|---|--|
| WEDNESDAY AUGUST 23, 2023 235-236 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: 44h 31m 22s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLT 44h 31m 32s | | | | | | | | | | | | 0000 RTLT 44h 31m 44s | | | | | | | | | | | | | |
| FDS MODE | | | | | | | | | | | | | CR-5T | | | | | | | | | | | | | |
| XB DATA RATE(MI) | | | | | | | | | | | | | 160(32) | | | | | | | | | | | | | |
| 31 DSN COVERAGE |10..... | | | | | | | | | | | |10..... | | | | | | | | | | | | | |
| | -----43 [D]----- 0715-1255 | | | | | | | | | | | | 1955 -----63 [D]----- 0110 | | | | | | | | | | | | | |
| |40..... | | | | | | | | | | | |60..... | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | | | | | | | | | | | | 1340 -----43 [D]----- 1955 | | | | | | | | | | | | | |
| |40..... | | | | | | | | | | | |40..... | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 37h 2m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLT 37h 2m 24s | | | | | | | | | | | | 0000 RTLT 37h 2m 34s | | | | | | | | | | | | | |
| 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: | AUG 23 | | | | | | | | | | | | | AUG 24 | | | | | | | | | | | | |

| 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 AUGUST 24, 2023 236-237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: 44h 31m 44s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLTL 44h 31m 56s | | | | | | | | | | | | 0000 RTLTL 44h 32m 8s | | | | | | | | | | | | | | | |
| | ▼ 1110 CCS DIAG (07:42) | | | | | | | | | | | | U/L 1135 - - - - - - TLC (SHORT-FORM) - - - - - | | | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE |10 | | | | | | | | | | | |10 | | | | | | | | | | | | | | | |
| | 0825 -----43 [H]----- 1330 | | | | | | | | | | | | 1905 -----53 [DA]----- 2315 1905 -----55 [DA]----- 2315 1905 -----65 [DAR]----- 2315 | | | | | | | | | | | | | | | |
| | 40 | | | | | | | | | | | | 40 | | | | | | | | | | | | | | | |
| | 40 | | | | | | | | | | | | 60 | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1430 -----43 [o]----- 2110 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 40 | | | | | | | | | | | | 40 | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 37h 2m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLTL 37h 2m 42s | | | | | | | | | | | | 0000 RTLTL 37h 2m 52s | | | | | | | | | | | | | | | |
| 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: | AUG 24 | | | | | | | | | | | | | | AUG 25 | | | | | | | | | | | | | |



ISSUE DATE: 08/08/23 16:29



ISSUE DATE: 08/08/23 16:29

