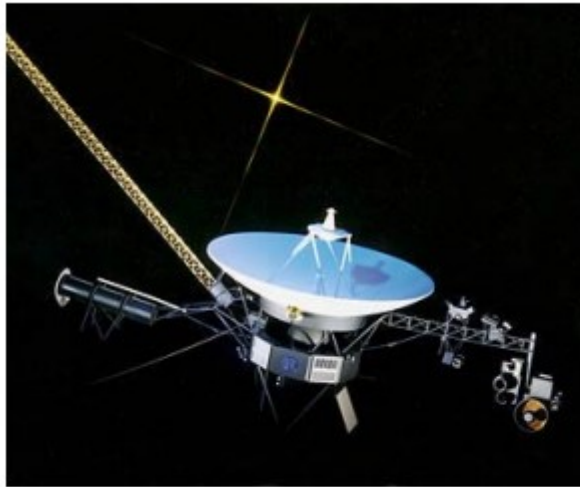


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: October 16, 2019

For the Period: 10/17/19 to 11/04/19 (19/290 – 19/308)



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

LEGEND:

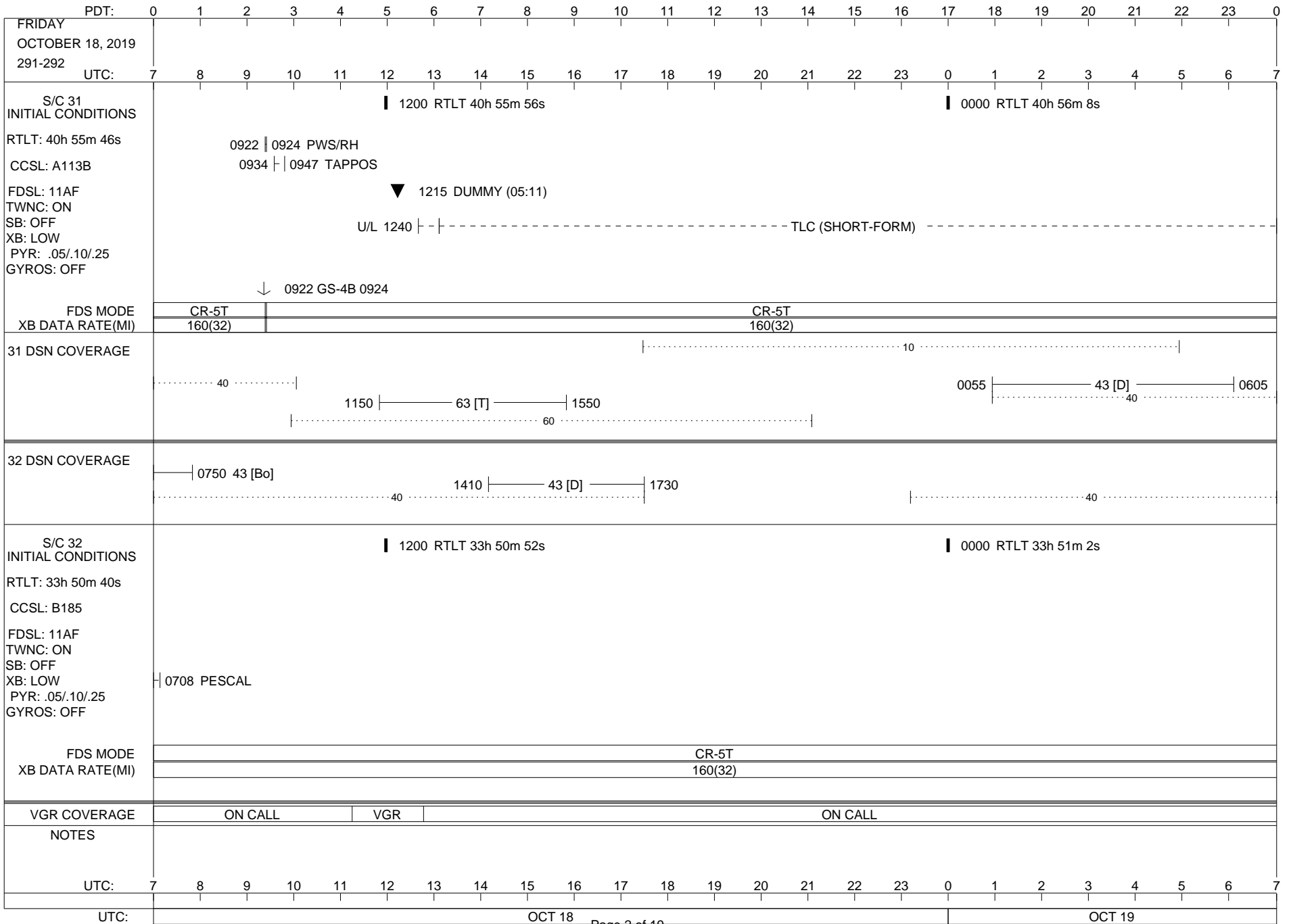
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

02/27/19

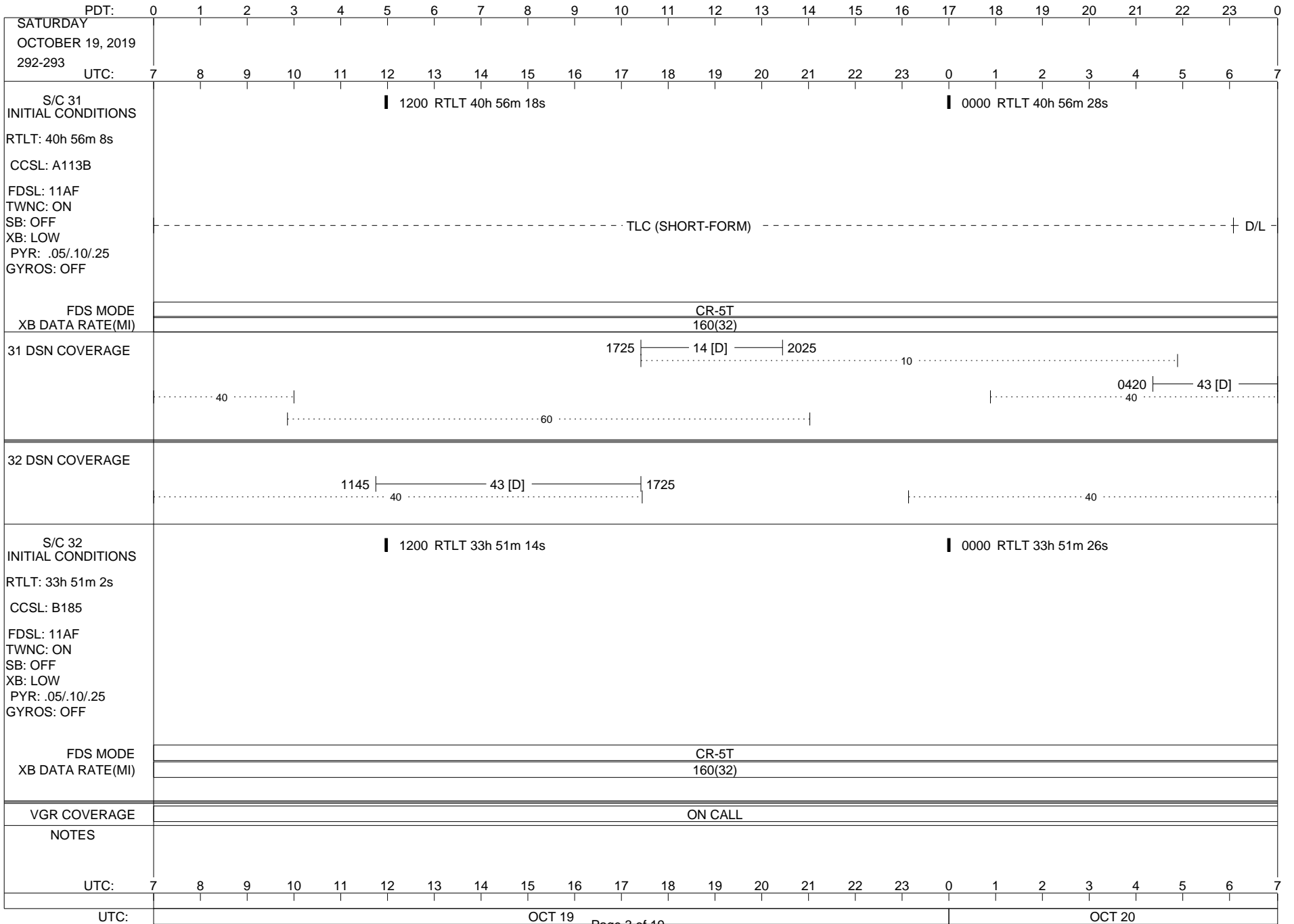
ISSUE DATE: 10/16/19 09:37

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 17, 2019 290-291																									
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: 40h 55m 26s CCSL: A113B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200 RTLT 40h 55m 36s												█ 0000 RTLT 40h 55m 46s							
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 33h 50m 18s CCSL: B185 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200 RTLT 33h 50m 30s												█ 0000 RTLT 33h 50m 40s							
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	ON CALL																				VGR				
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 17												OCT 18												

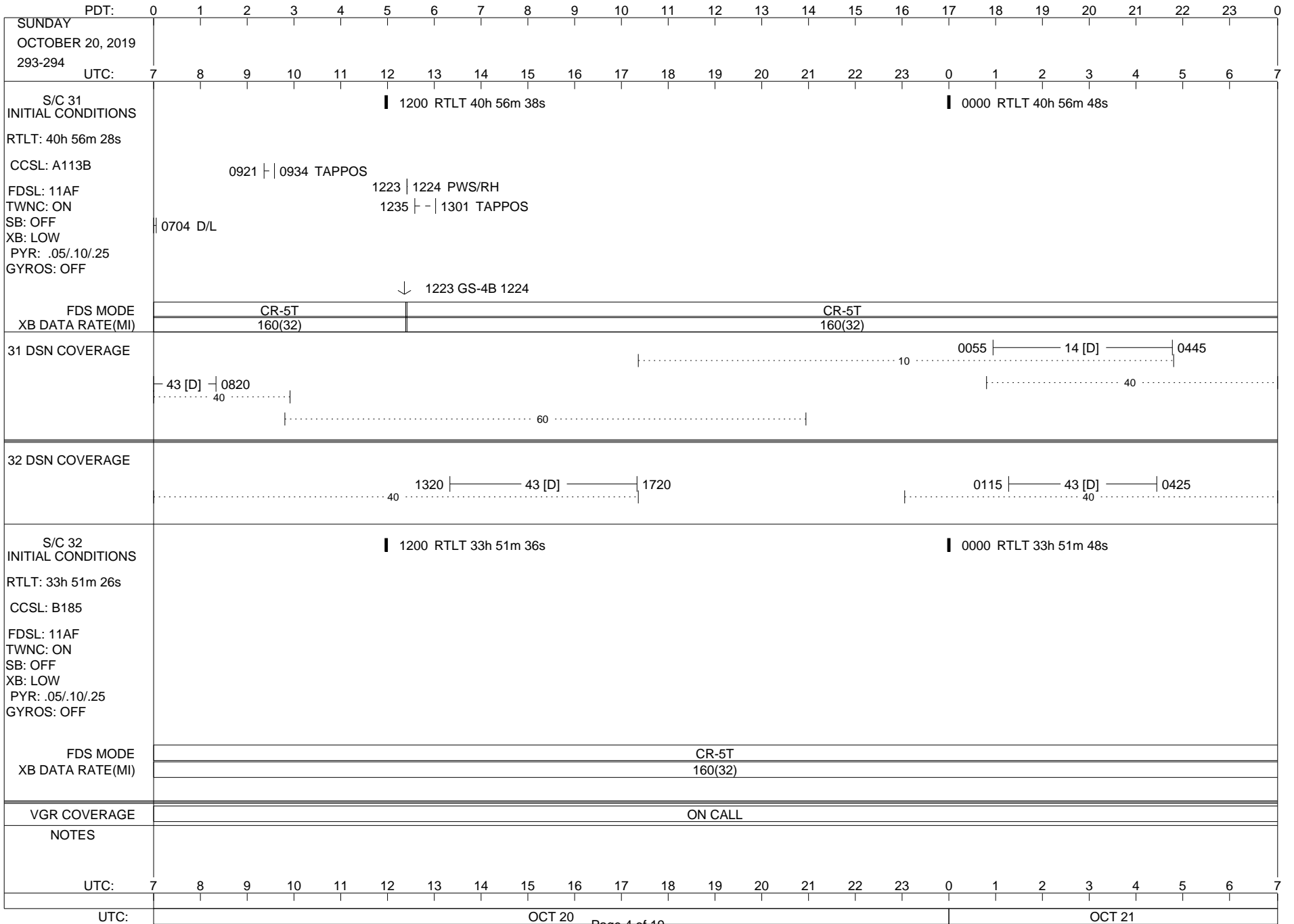
ISSUE DATE: 10/16/19 09:37



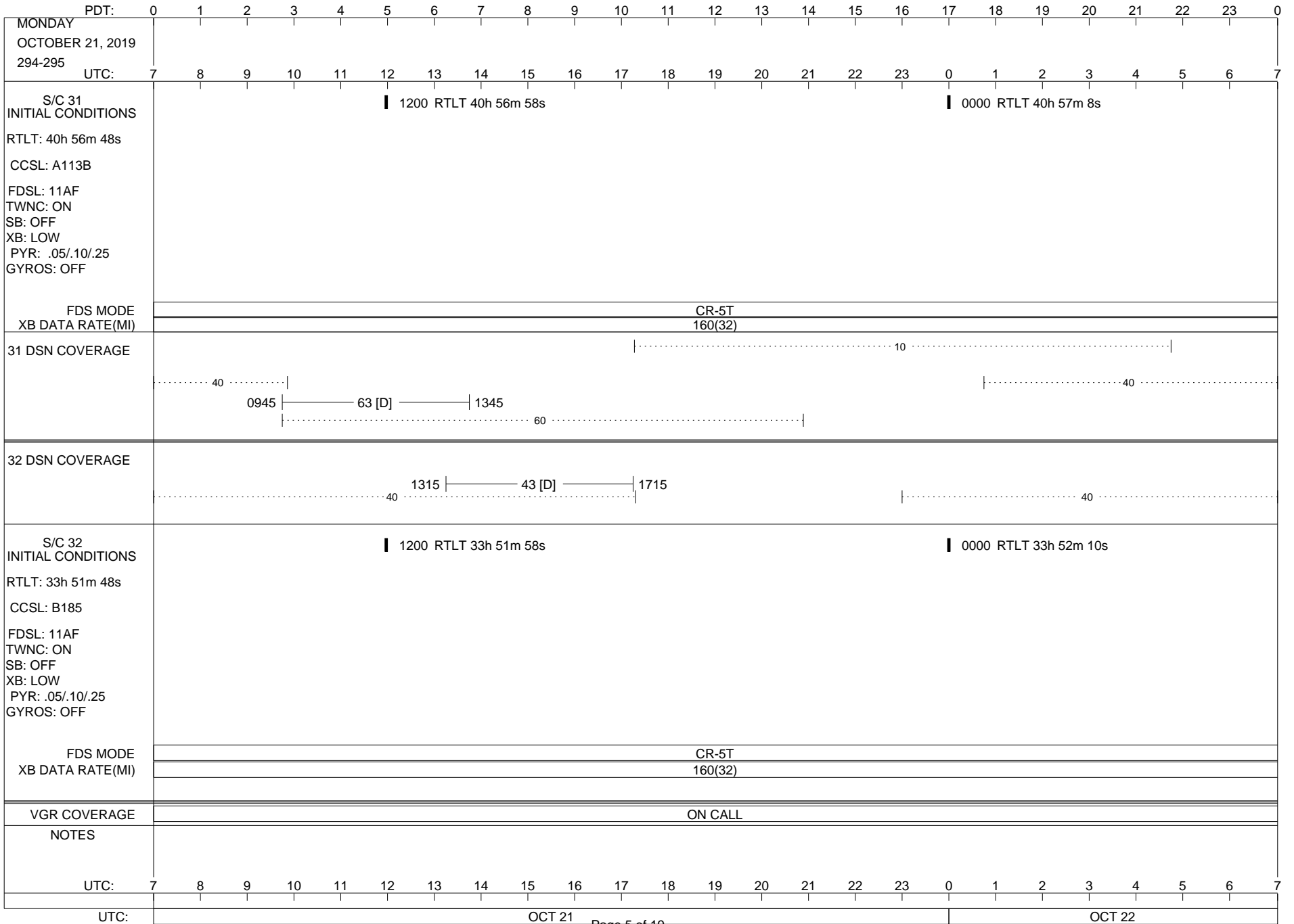
ISSUE DATE: 10/16/19 09:37



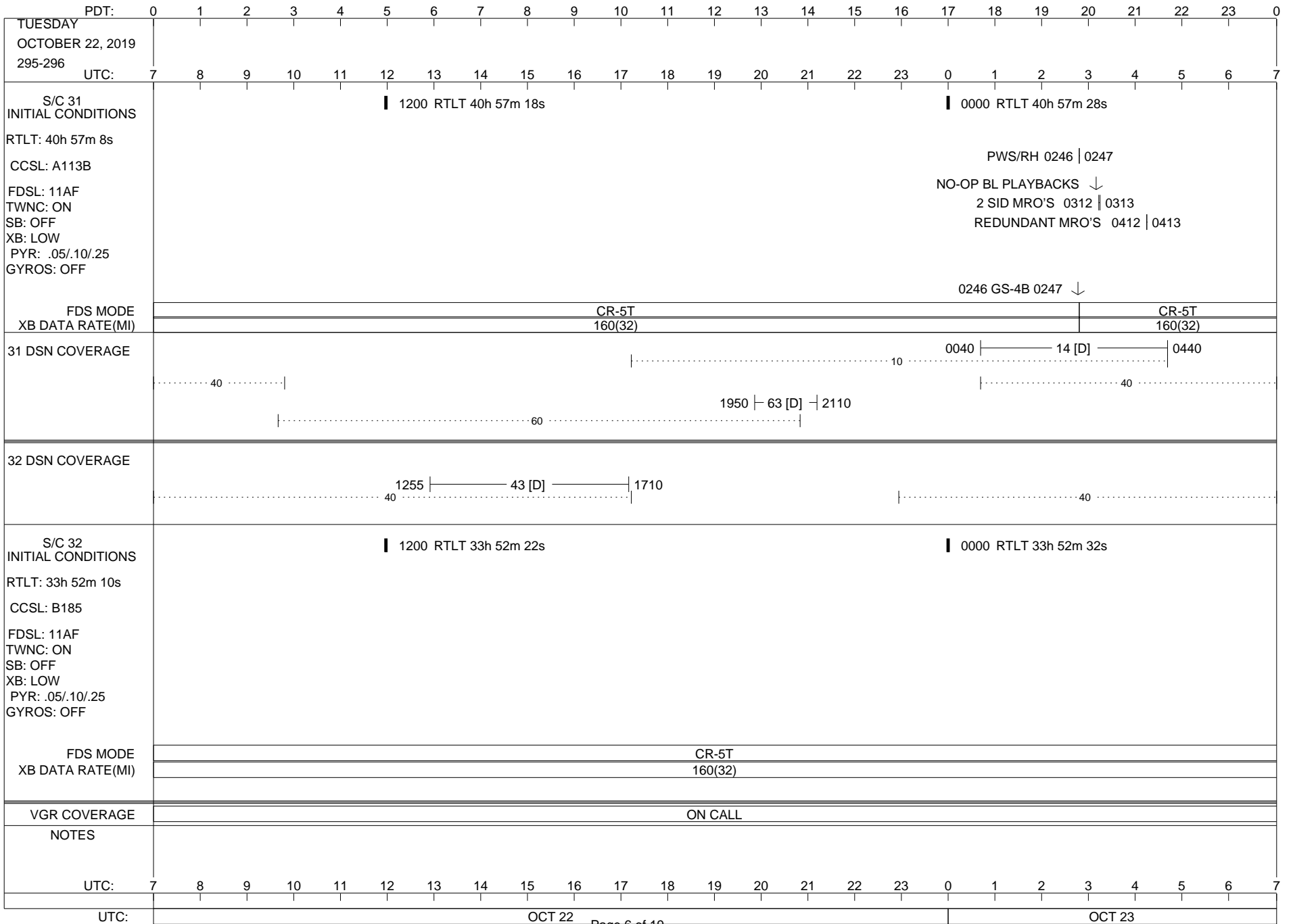
ISSUE DATE: 10/16/19 09:37



ISSUE DATE: 10/16/19 09:37



ISSUE DATE: 10/16/19 09:37



ISSUE DATE: 10/16/19 09:37

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 23, 2019
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: 40h 57m 28s
CCSL: A113B
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF
1200 RTLT 40h 57m 38s
1639 |-----| 1750 TAPPOS
0000 RTLT 40h 57m 48s
DUMMY (20:43) 0345▼

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)

31 DSN COVERAGE
.....40.....|
|-----60-----|
2305 |-----24 [DA]-----| 0305
2305 |-----25 [DA]-----| 0305
2305 |-----26 [DAR]-----| 0305
|-----10-----| 0320 | 14 | 0435
|-----40-----|

32 DSN COVERAGE
1220 |-----43 [D]-----| 1710
.....40.....|
|-----40-----|

S/C 32
INITIAL CONDITIONS
RTLT: 33h 52m 32s
CCSL: B185
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF
1200 RTLT 33h 52m 44s
0000 RTLT 33h 52m 54s

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)

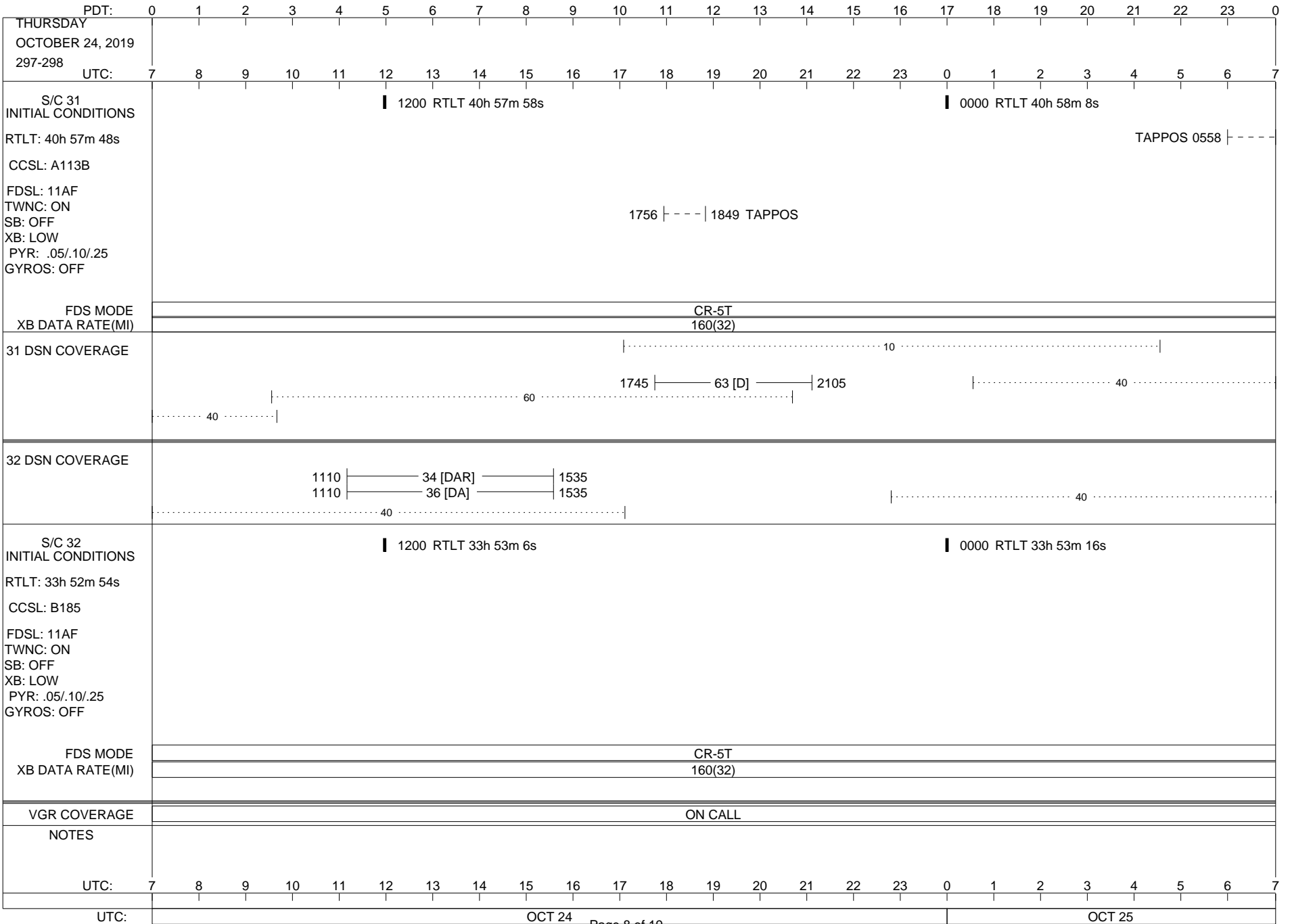
VGR COVERAGE ON CALL VGR ON CALL

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

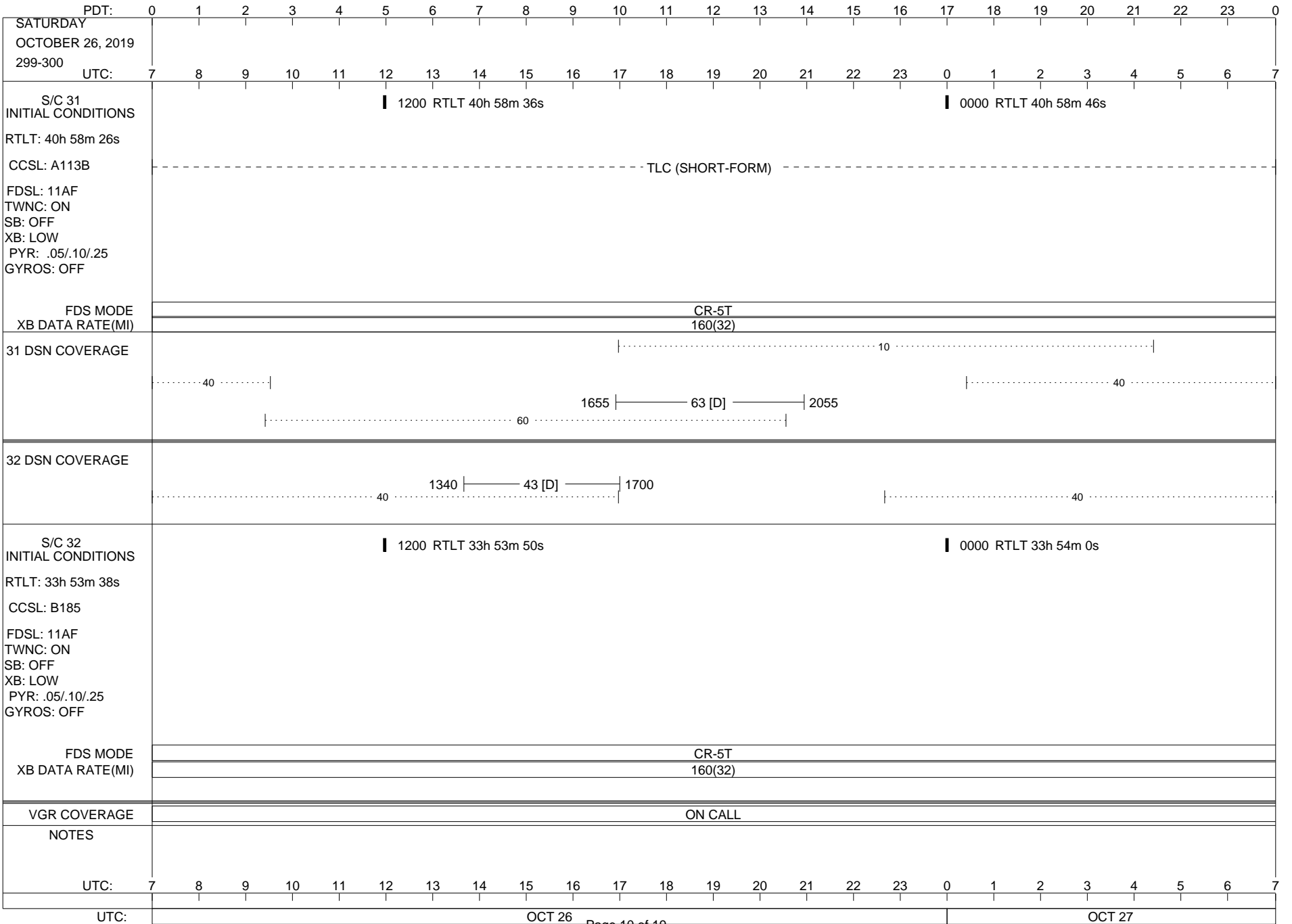
UTC: OCT 23 Page 7 of 19 OCT 24

ISSUE DATE: 10/16/19 09:37

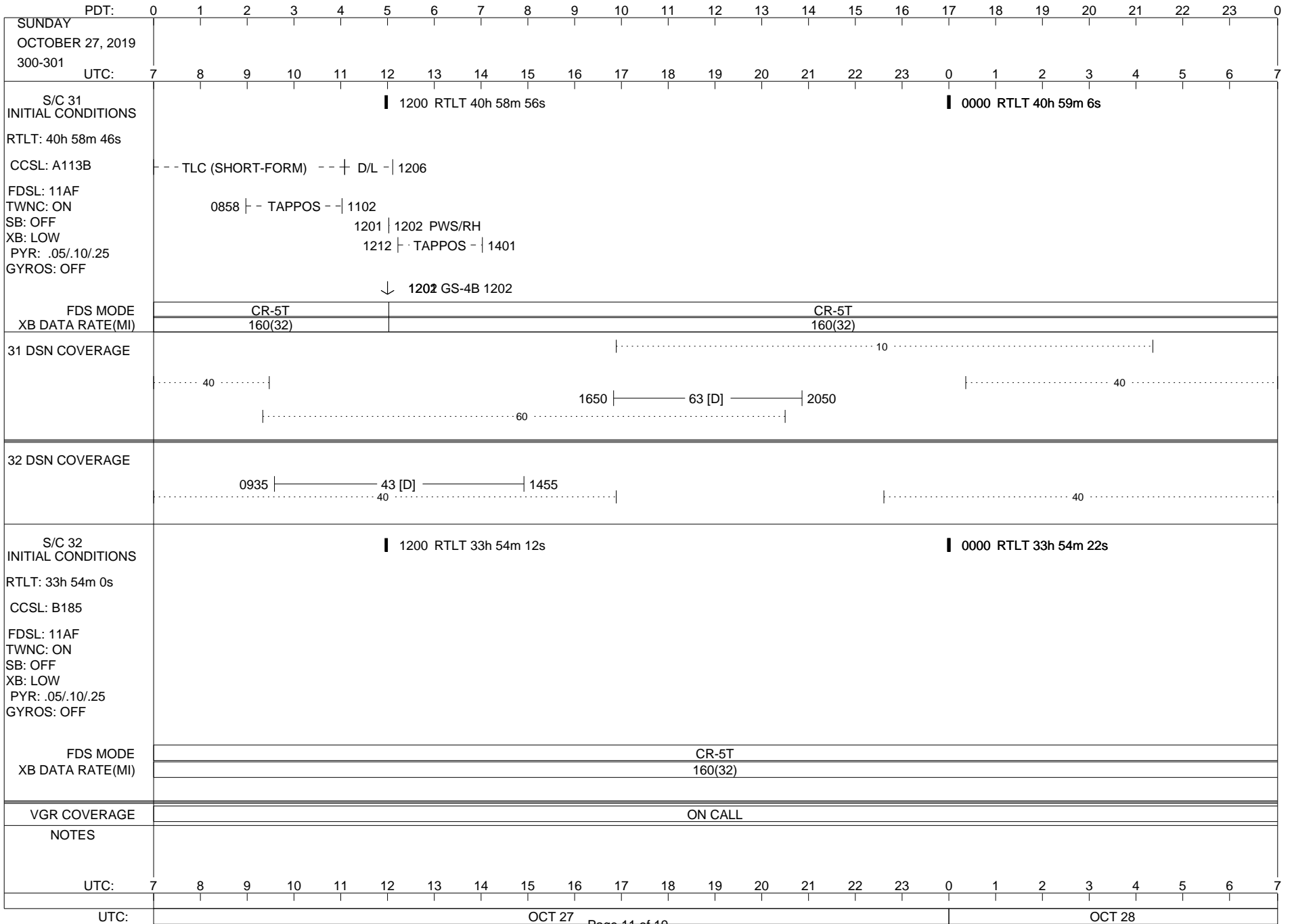


PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
FRIDAY OCTOBER 25, 2019 298-299																												
S/C 31 INITIAL CONDITIONS RTLT: 40h 58m 8s CCSL: A113B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 40h 58m 18s														0000 RTLT 40h 58m 26s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE	<p>Timeline for 31 DSN COVERAGE:</p> <ul style="list-style-type: none"> 0815 TAPPOS 0900 0901 PWS/RH 0912 - TAPPOS - 1115 1715 63 [T] 2100 1942 1948 CCSTIMB FINE 2100 40 																											
32 DSN COVERAGE	<p>Timeline for 32 DSN COVERAGE:</p> <ul style="list-style-type: none"> 1400 43 [B] 1700 2245 43 [o] 0115 																											
S/C 32 INITIAL CONDITIONS RTLT: 33h 53m 16s CCSL: B185 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 53m 28s														0000 RTLT 33h 53m 38s													
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 25														OCT 26													

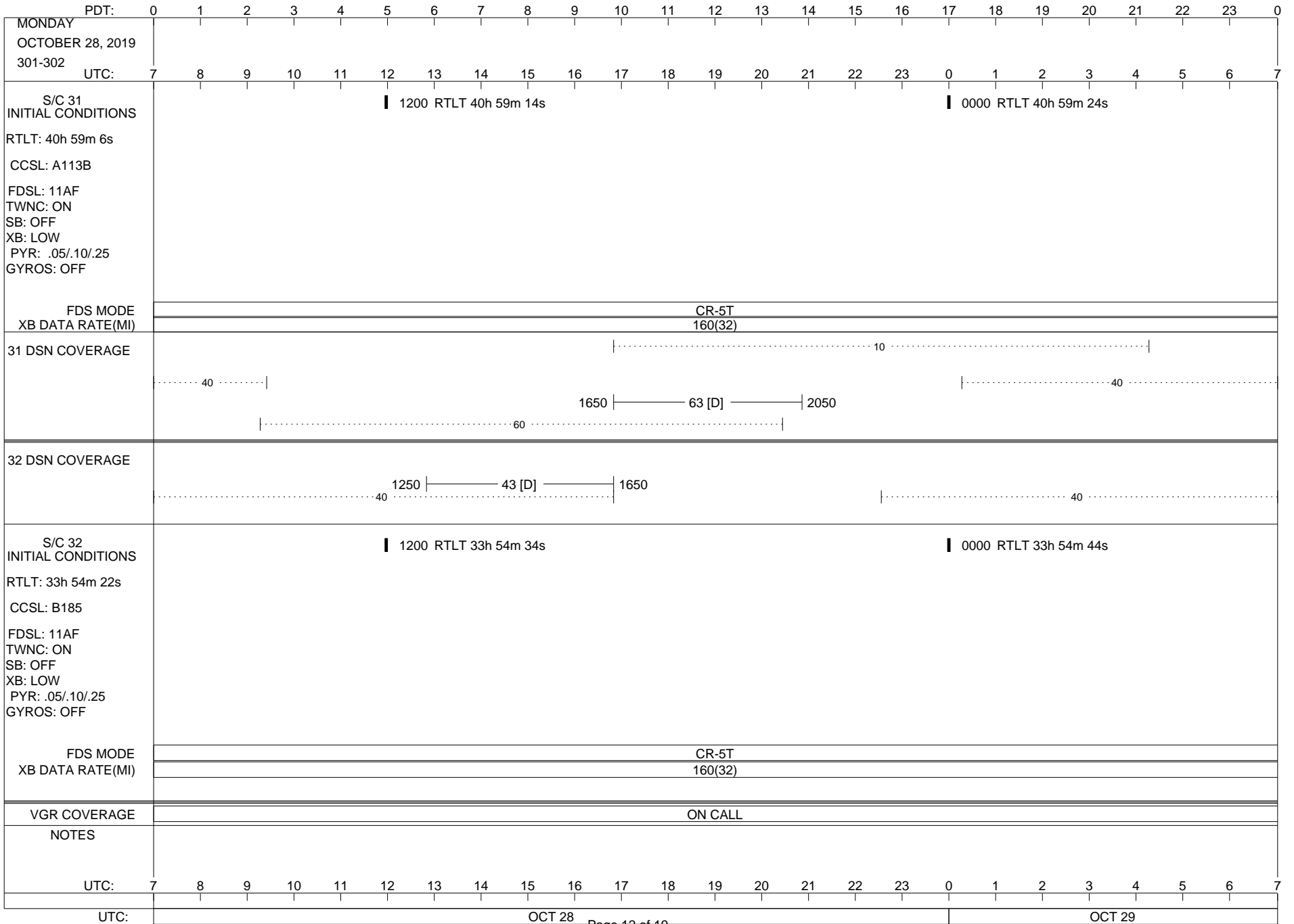
ISSUE DATE: 10/16/19 09:37



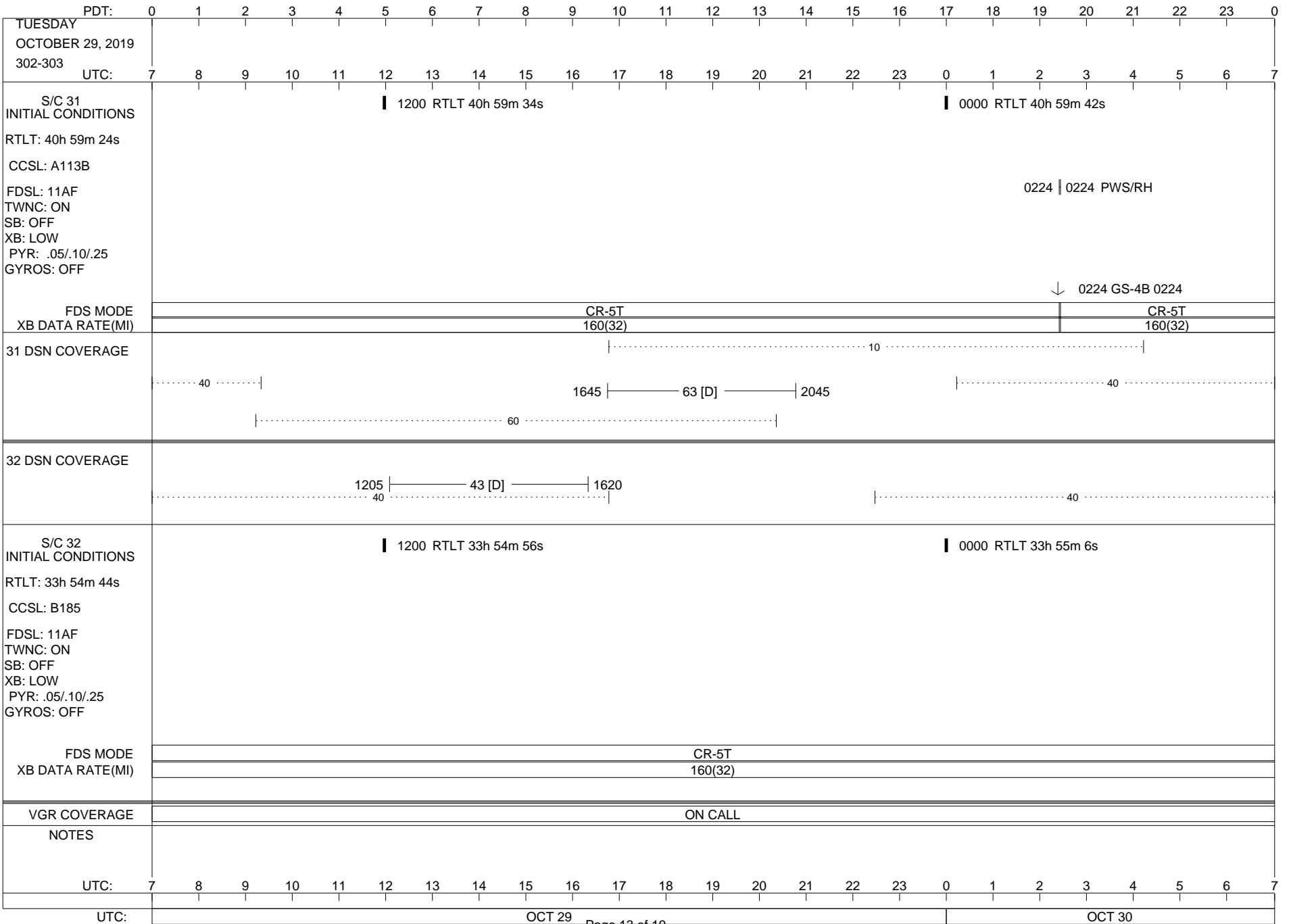
ISSUE DATE: 10/16/19 09:37



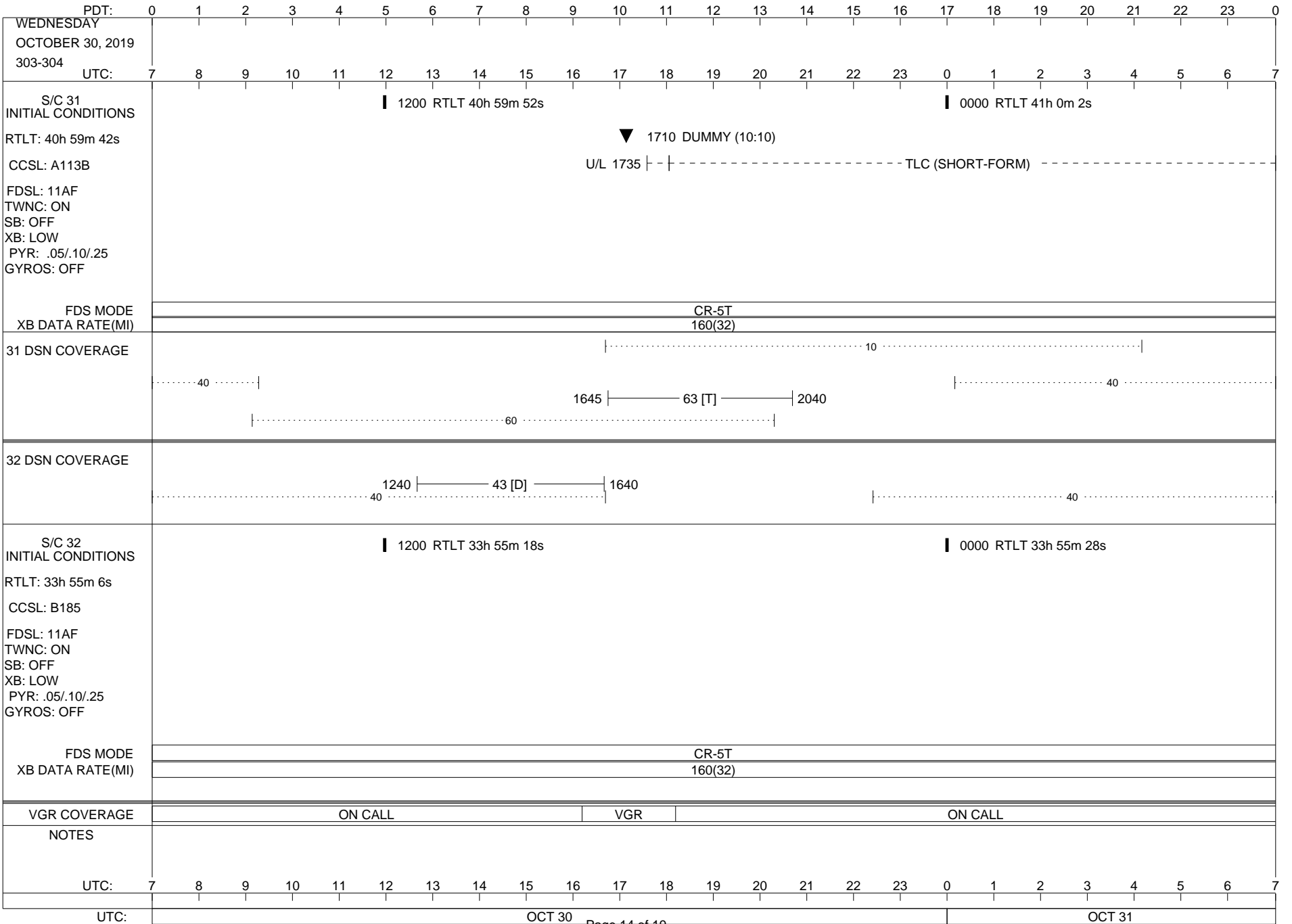
ISSUE DATE: 10/16/19 09:37



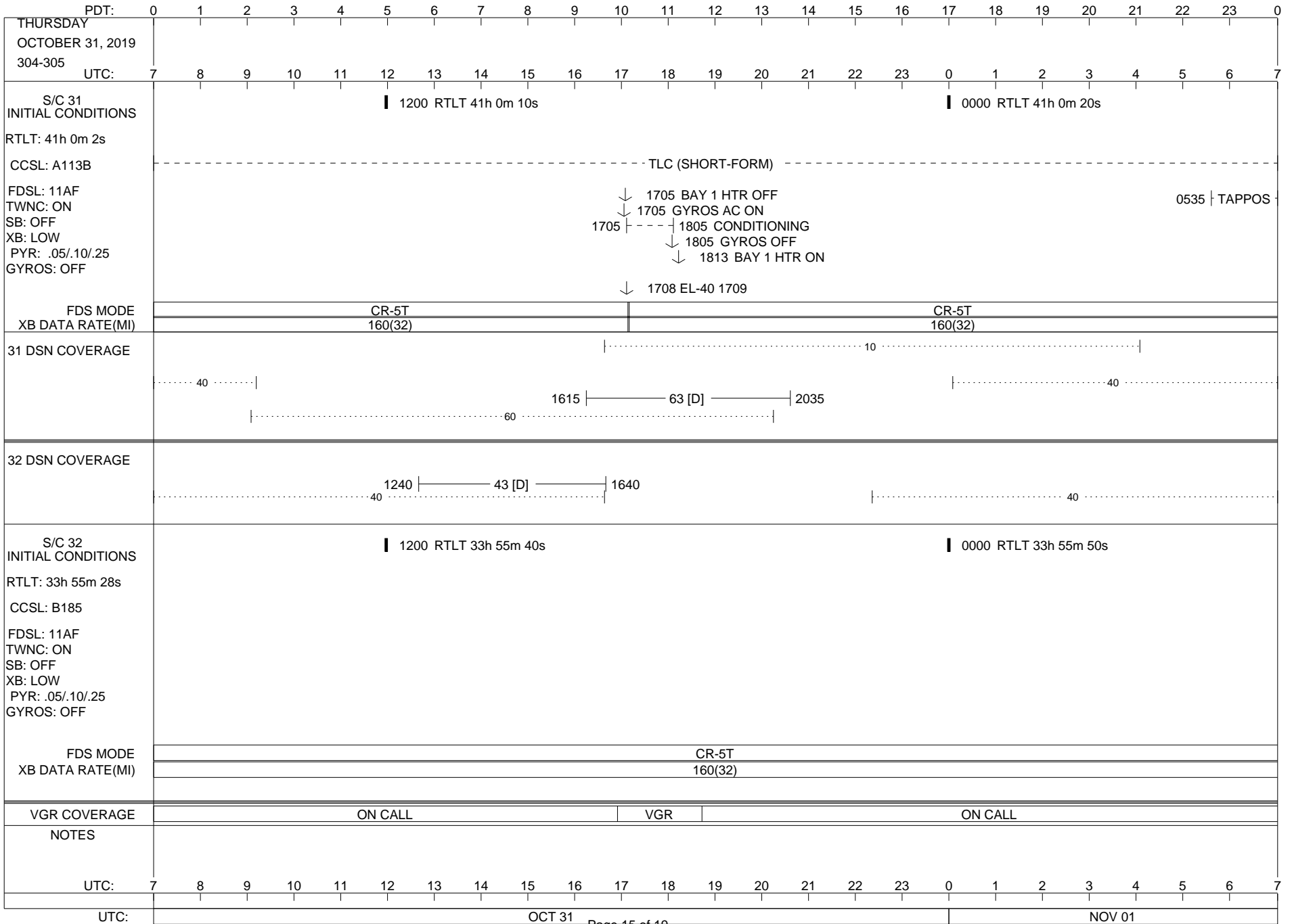
ISSUE DATE: 10/16/19 09:37



ISSUE DATE: 10/16/19 09:37



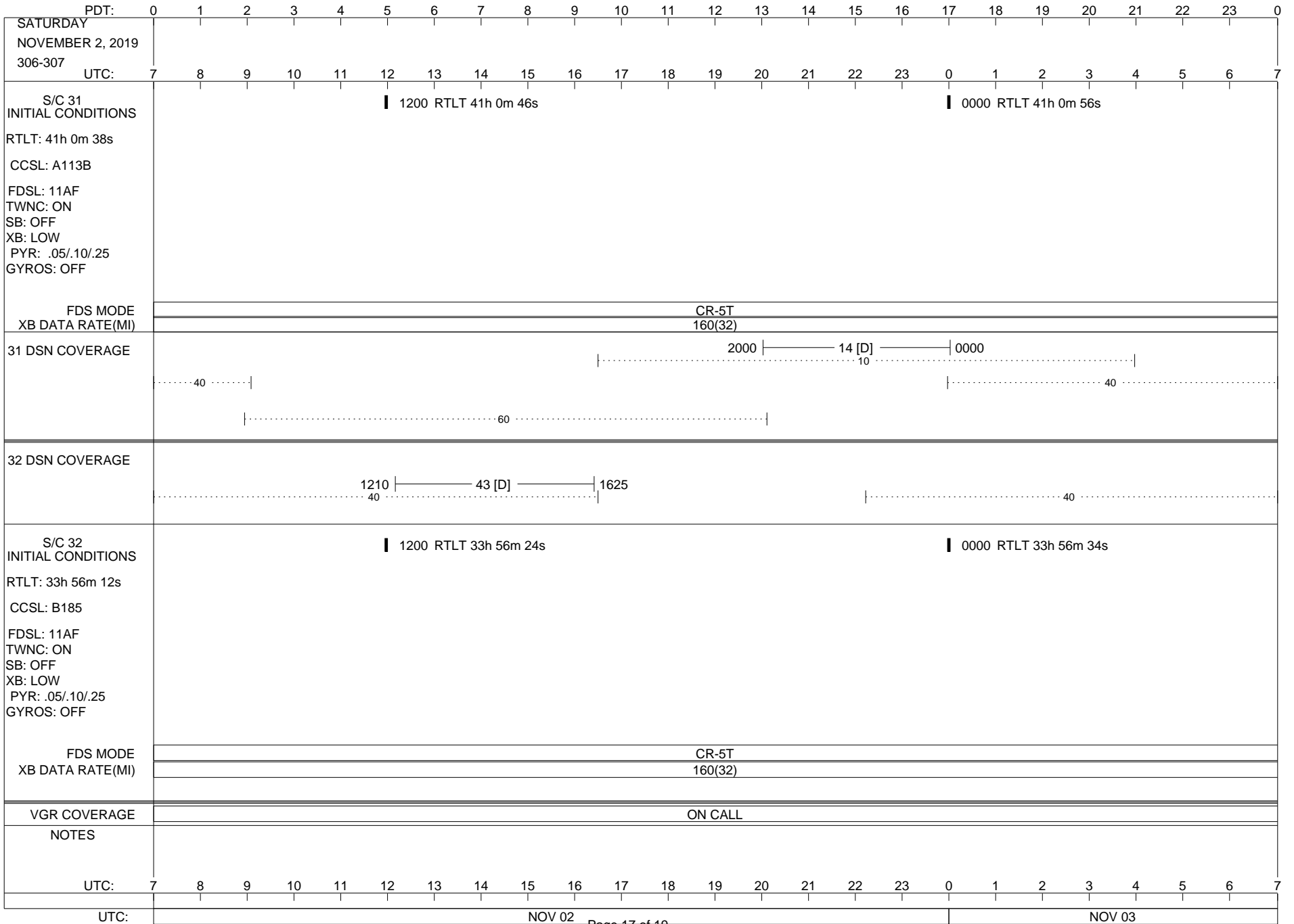
ISSUE DATE: 10/16/19 09:37



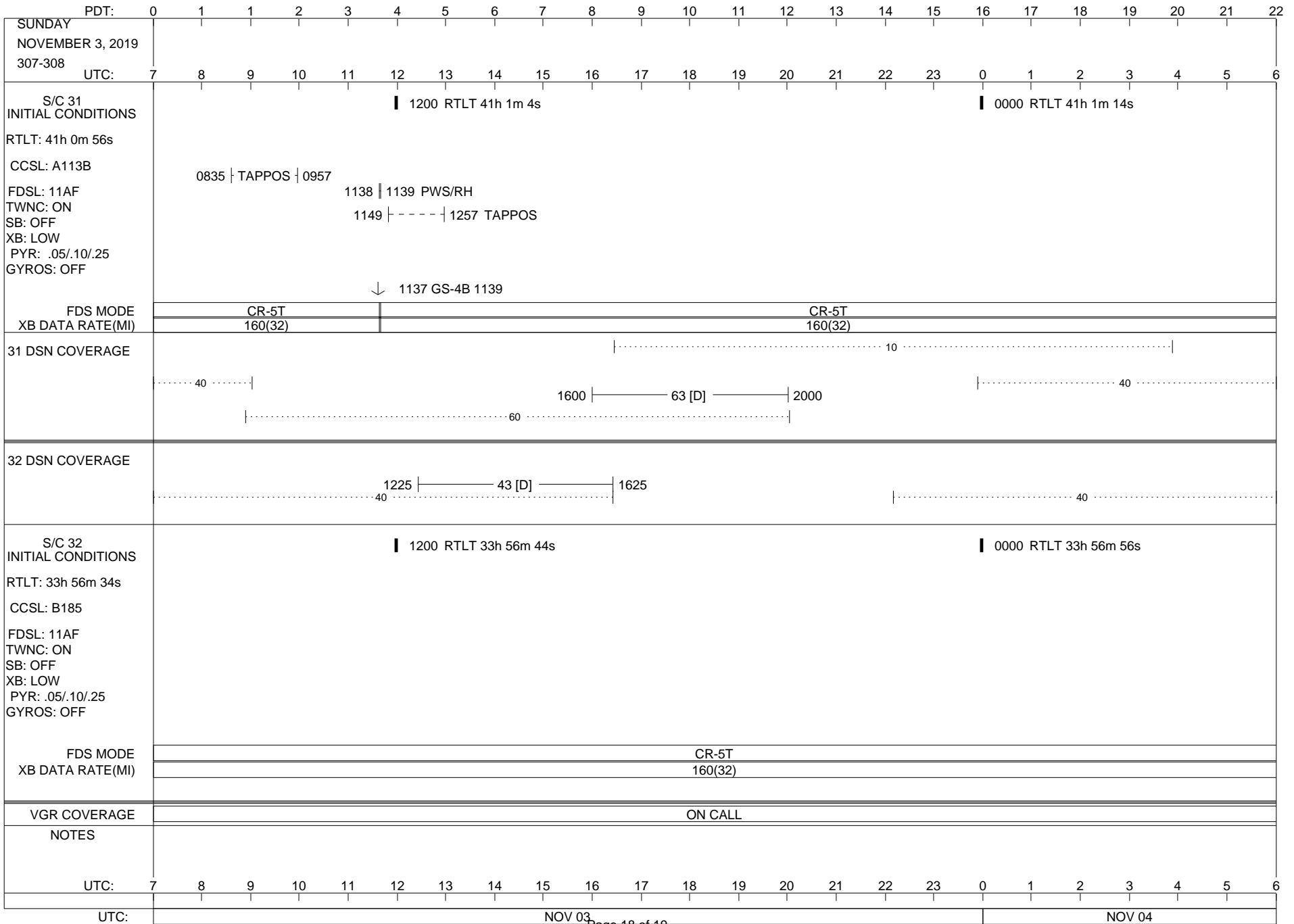
ISSUE DATE: 10/16/19 09:37

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 NOVEMBER 1, 2019 305-306																										
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 0m 20s CCSL: A113B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 41h 0m 28s												0000 RTLT 41h 0m 38s													
	-- TLC (SHORT-FORM) -- + D/L - 1203																									
	0711 TAPPOS 0837 0838 PWS/RH 0849 TAPPOS 1010																									
	↓ 0837 GS-4B 0838																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	<p>..... 40 60 10 </p> <p>..... 40 1635 63 [D] 2035 40 </p>																									
32 DSN COVERAGE	<p>..... 40 1230 43 [D] 1630 40 </p>																									
S/C 32 INITIAL CONDITIONS RTLT: 33h 55m 50s CCSL: B185 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 56m 2s												0000 RTLT 33h 56m 12s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												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:	NOV 01												NOV 02													

ISSUE DATE: 10/16/19 09:37



ISSUE DATE: 10/16/19 09:37



ISSUE DATE: 10/16/19 09:37

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

MONDAY
NOVEMBER 4, 2019
308-309
UTC: 6 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 1m 14s
CCSL: A113B
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/10/25
GYROS: OFF
1200 RTLT 41h 1m 22s
2057 BAY 1 HTR OFF
2057 GYROS BC ON
2058 GYRO INIT
2107 GYRO FAULT TEST
2128 AAI
2131 - - 2205 MAGROL
2210 RAI
2216 GYROS OFF
2224 BAY 1 HTR ON
2100 EL-40 2101

FDS MODE CR-5T CR-5T
XB DATA RATE(MI) 160(32) 160(32)

31 DSN COVERAGE
2000 |----- 14 [DAR] -----| 0000
2100 |----- 24 [DA] -----| 2230
..... 40
|----- 60 -----|

32 DSN COVERAGE
1155 |----- 43 [Bo] -----| 1620
..... 40

S/C 32
INITIAL CONDITIONS
RTLT: 33h 56m 56s
CCSL: B185
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/10/25
GYROS: OFF
1200 RTLT 33h 57m 6s
1302 DUMMY (5 MIN BRACKETED 23:00)

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)

VGR COVERAGE ON CALL VGR ON CALL VGR ON CALL

NOTES

UTC: 6 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: NOV 04 Page 19 of 19 NOV 05