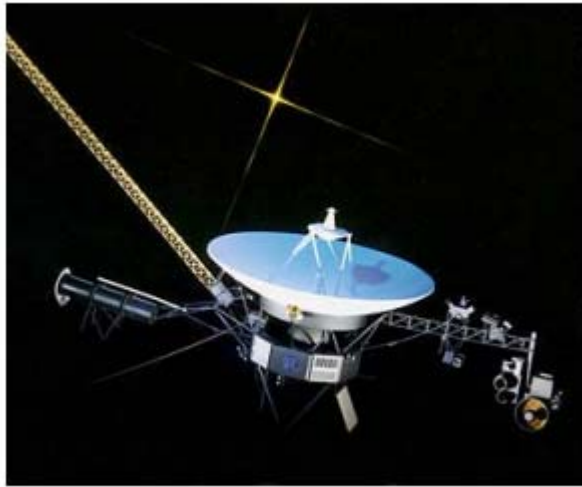


# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: September 22, 2021

For the Period: 09/23/21 to 10/11/21 (21/266 – 21/284)



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

**LEGEND:**

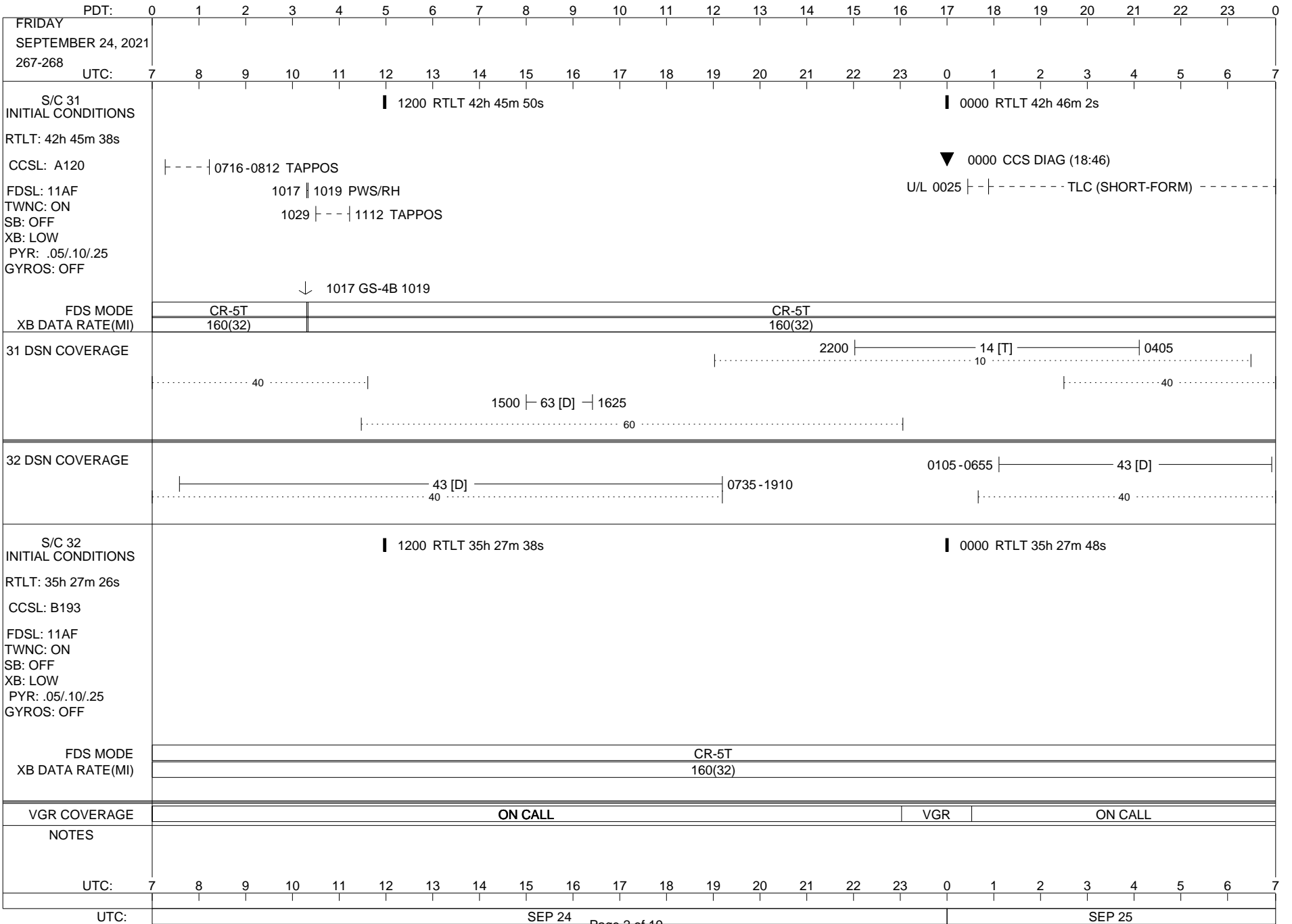
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- \* = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
-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

02/27/19

ISSUE DATE: 09/22/21 08:43

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 SEPTEMBER 23, 2021 266-267																									
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: 42h 45m 16s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200																			
FDS MODE																									
XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 35h 27m 6s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200																			
FDS MODE																									
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:																									

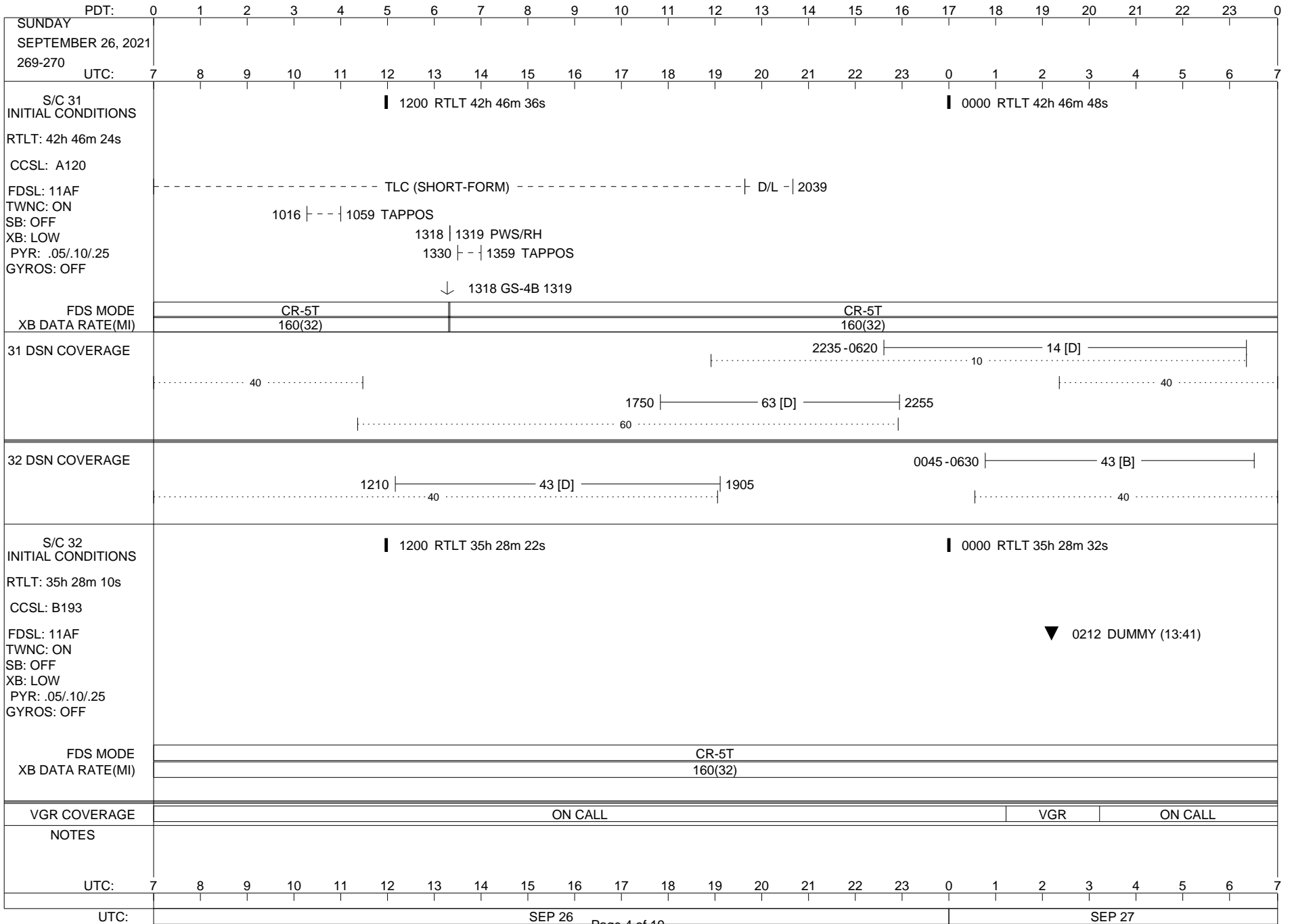
ISSUE DATE: 09/22/21 08:43



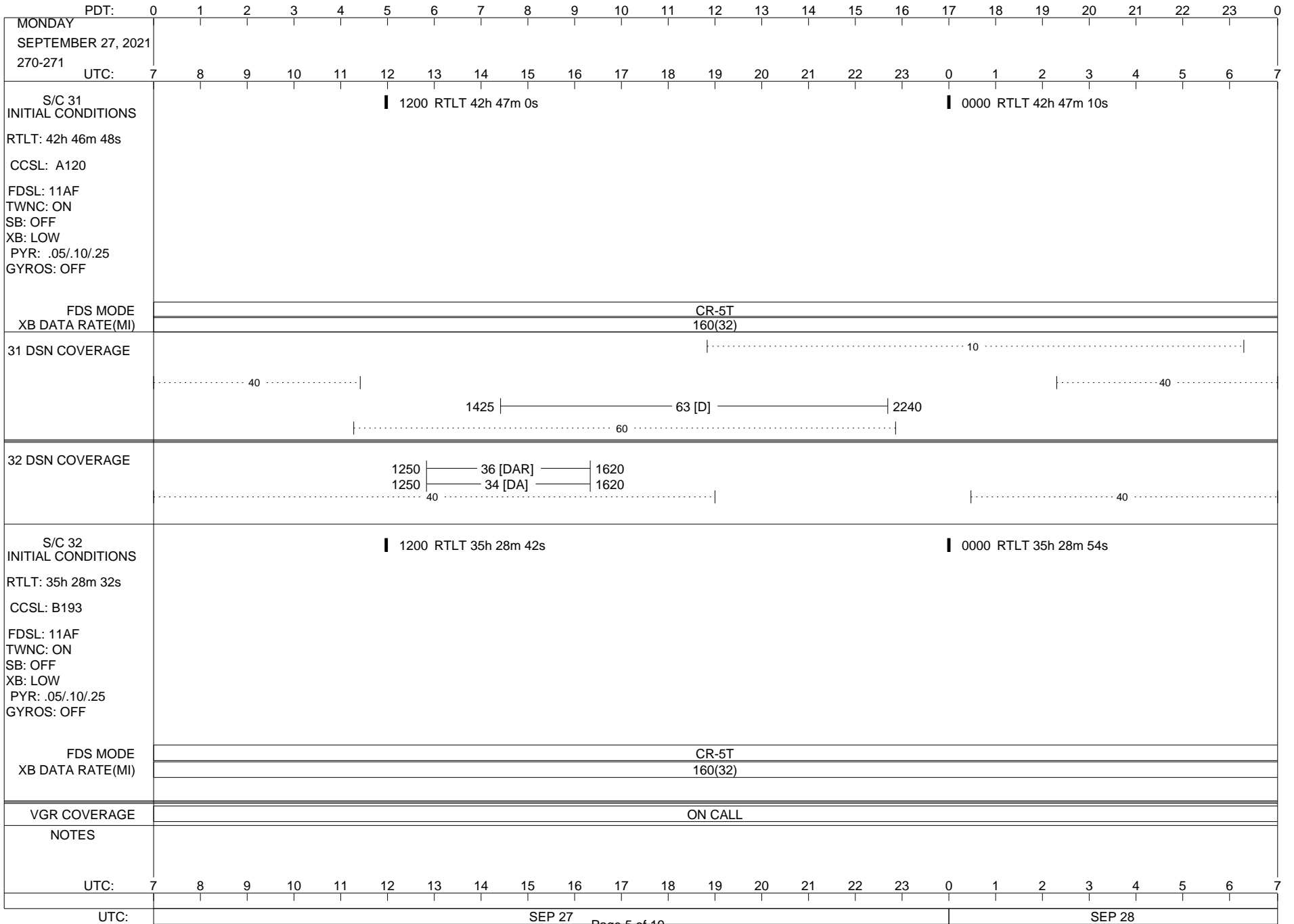
ISSUE DATE: 09/22/21 08:43

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SATURDAY SEPTEMBER 25, 2021 268-269	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: 42h 46m 2s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 42h 46m 14s												0000 RTLT 42h 46m 24s															
----- TLC (SHORT-FORM) -----																												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	40												2035   14 [D]   2135 10 40															
32 DSN COVERAGE	40												1435   43 [D]   1905 40															
S/C 32 INITIAL CONDITIONS RTLTL: 35h 27m 48s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 35h 28m 0s												0000 RTLT 35h 28m 10s															
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:	SEP 25														SEP 26													

ISSUE DATE: 09/22/21 08:43



ISSUE DATE: 09/22/21 08:43



ISSUE DATE: 09/22/21 08:43

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 SEPTEMBER 28, 2021 271-272	
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: 42h 47m 10s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 47m 22s 0000 RTLT 42h 47m 34s 0342   0342 PWS/RH ↓ 0342 GS-4B 0342
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE	2330  -----  14 [D]  -----  0610 ..... 40 ..... 1625  -----  63 [D]  -----  2030 ..... 60 .....
32 DSN COVERAGE	1015  -----  43 [D]  -----  1710 ..... 40 ..... ..... 40 .....
S/C 32 INITIAL CONDITIONS RTLT: 35h 28m 54s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 29m 4s 0000 RTLT 35h 29m 16s
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: SEP 28 SEP 29	

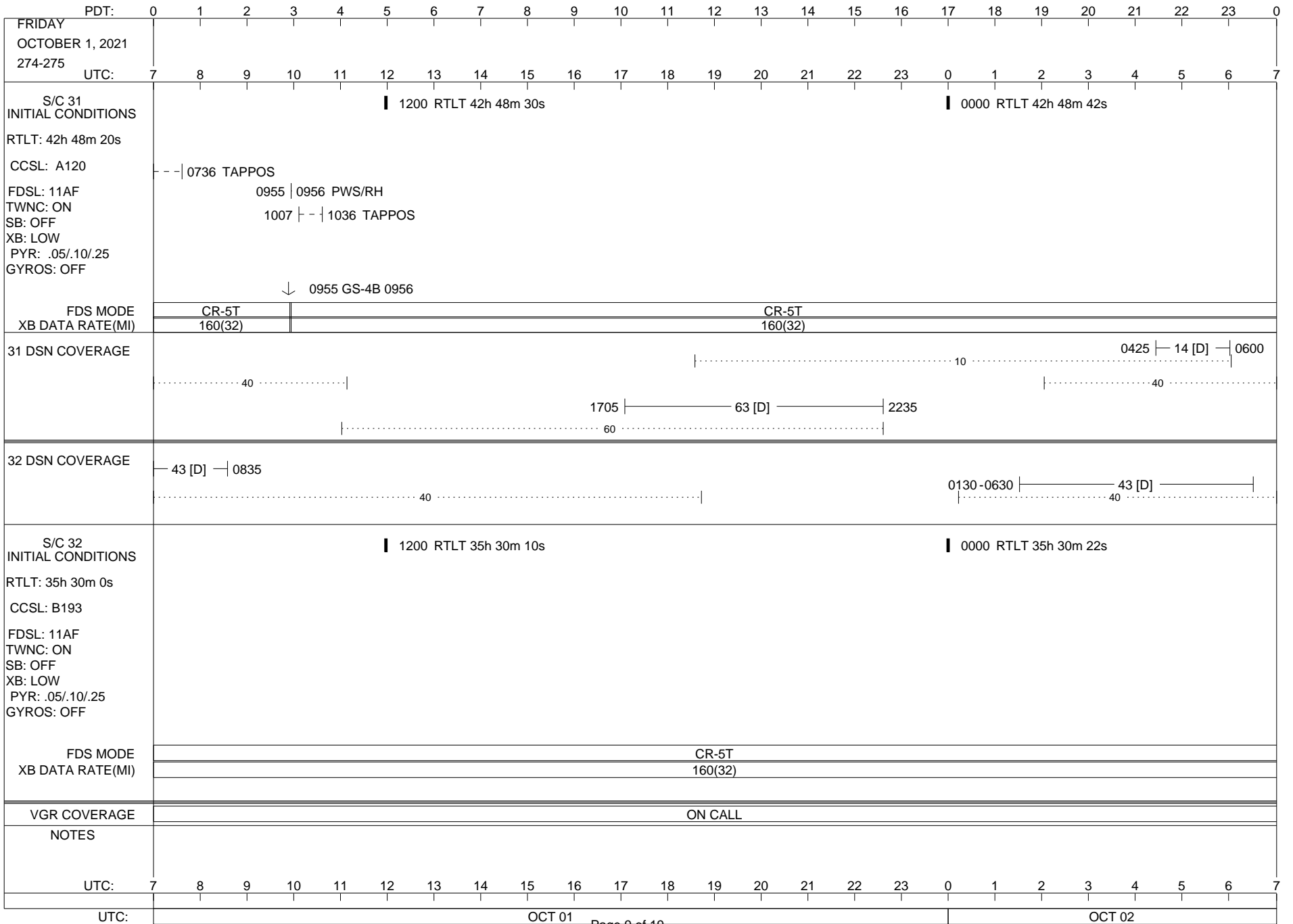
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WEDNESDAY SEPTEMBER 29, 2021 272-273																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 42h 47m 34s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 42h 47m 46s												█ 0000 RTLT 42h 47m 56s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	.....40.....												.....10.....0150 -----14 [D]----- 0605													
	.....60.....												.....1930 -----63 [D]----- 2230													
32 DSN COVERAGE	0820 -----43 [o]----- 1850												.....40.....43 [D] 0625													
S/C 32 INITIAL CONDITIONS RTLT: 35h 29m 16s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 35h 29m 26s												█ 0000 RTLT 35h 29m 38s													
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:	SEP 29													SEP 30												



ISSUE DATE: 09/22/21 08:43

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 SEPTEMBER 30, 2021 273-274																										
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: 42h 47m 56s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 42h 48m 8s												█ 0000 RTLT 42h 48m 20s								
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 35h 29m 38s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 35h 29m 48s												█ 0000 RTLT 35h 30m 0s								
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:	SEP 30													OCT 01												

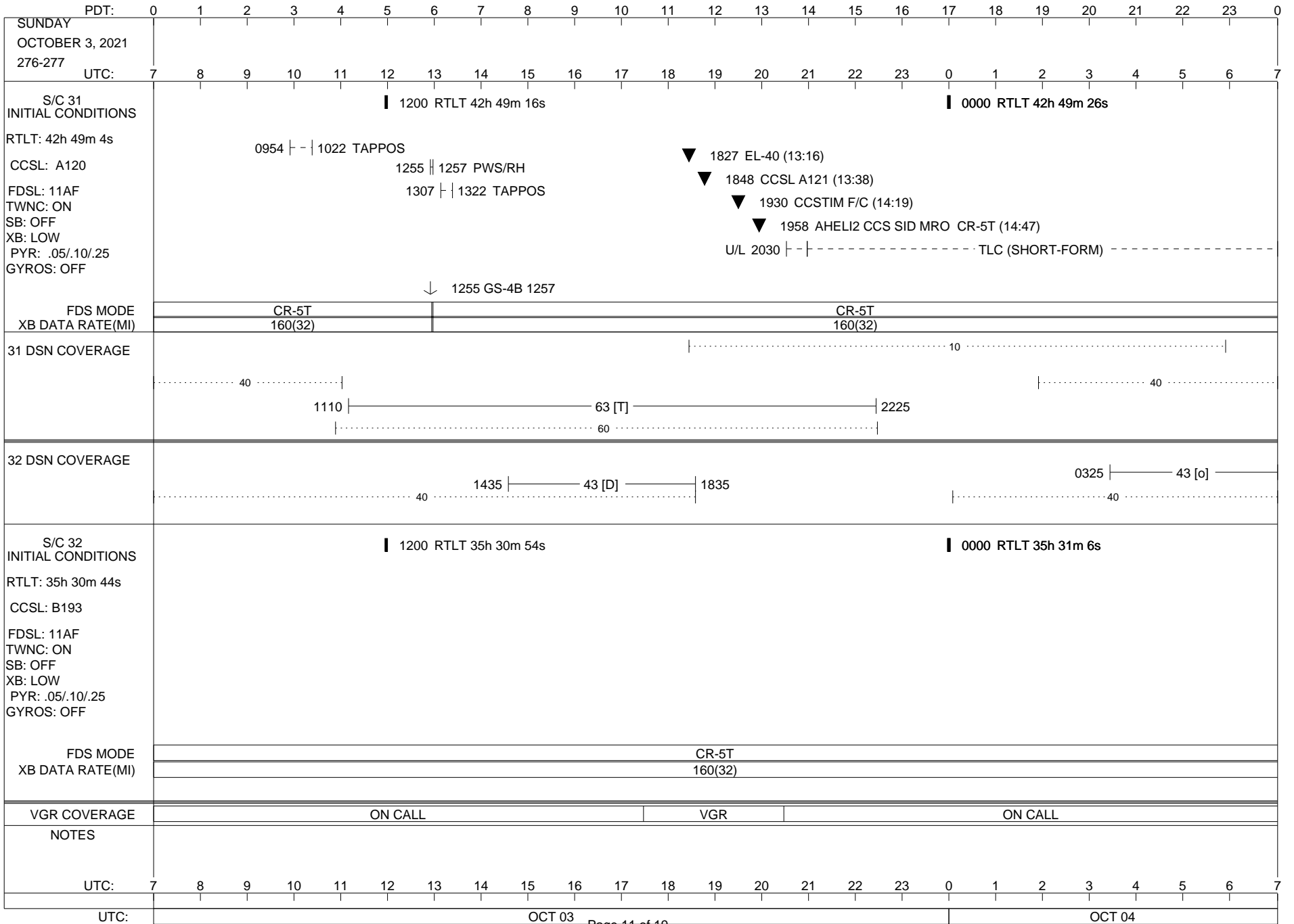
ISSUE DATE: 09/22/21 08:43



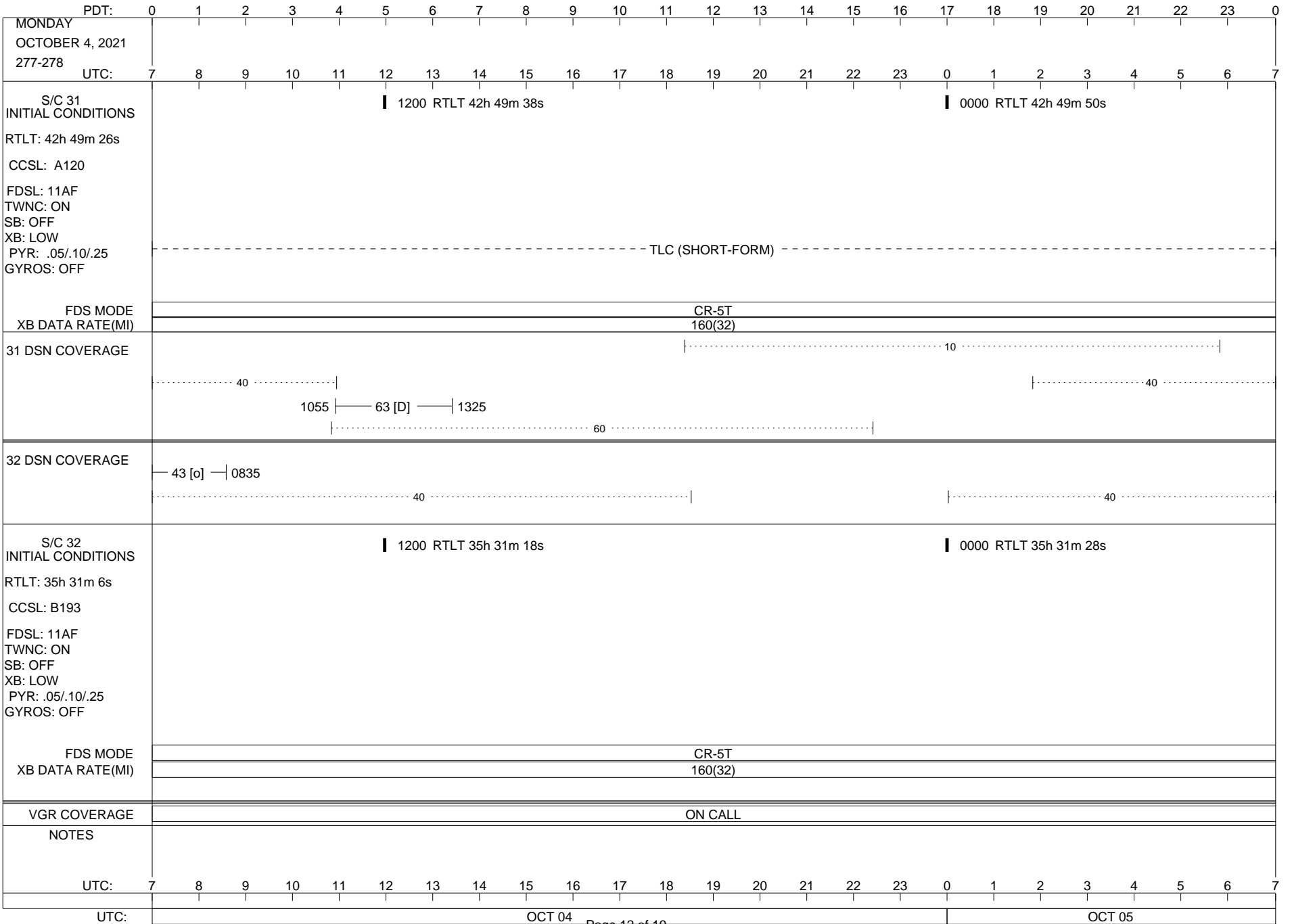
ISSUE DATE: 09/22/21 08:43

		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 2, 2021 275-276																																		
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	1	2	3	4	5	6	7	
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: 42h 48m 42s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLTL 42h 48m 54s												0000 RTLTL 42h 49m 4s																				
FDS MODE														CR-5T																				
XB DATA RATE(MI)														160(32)																				
31 DSN COVERAGE		<div style="display: flex; justify-content: space-between;"> <span>40</span> <span>60</span> <span>2145</span> <span>14 [D]</span> <span>0555</span> </div>																																
32 DSN COVERAGE		<div style="display: flex; justify-content: space-between;"> <span>40</span> <span>1410</span> <span>43 [B]</span> <span>1835</span> <span>40</span> </div>																																
S/C 32 INITIAL CONDITIONS RTLTL: 35h 30m 22s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLTL 35h 30m 32s												0000 RTLTL 35h 30m 44s																				
		▼ 1712 DUMMY (5 MIN BRACKETED 04:43)																																
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 02												OCT 03																				

ISSUE DATE: 09/22/21 08:43



ISSUE DATE: 09/22/21 08:43



ISSUE DATE: 09/22/21 08:43

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 5, 2021 278-279																									
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: 42h 49m 50s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 50m 0s												0000 RTLT 42h 50m 12s												
	1350 * 1353 A121 CHKSUM												0319   0320 PWS/RH												
	1420 * 1427 CCSTIM FINE																								
	1438   1441 COARSE																								
	1448 * 1450 2 AHEL12 CCS SID MRO'S																								
	----- TLC (SHORT-FORM) -----												D/L -   1647												
	EL-40 1317 * ↓												↓ 0319 GS-4B 0320												
	EL-40 ↓												1452 CR-5T												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	40												10												
	1245  -----  63 [D]  -----  2220												0530  -----  43 [D]  -----  40												
32 DSN COVERAGE	40												40												
	1425  -----  43 [D]  -----  1825																								
S/C 32 INITIAL CONDITIONS RTLT: 35h 31m 28s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 31m 40s												0000 RTLT 35h 31m 50s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=EL-40 @ 1317 XB=40(30)																								
	[2] S/C 31=CR-5T @ 1452 XB=160(32)																								
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: 09/22/21 08:43

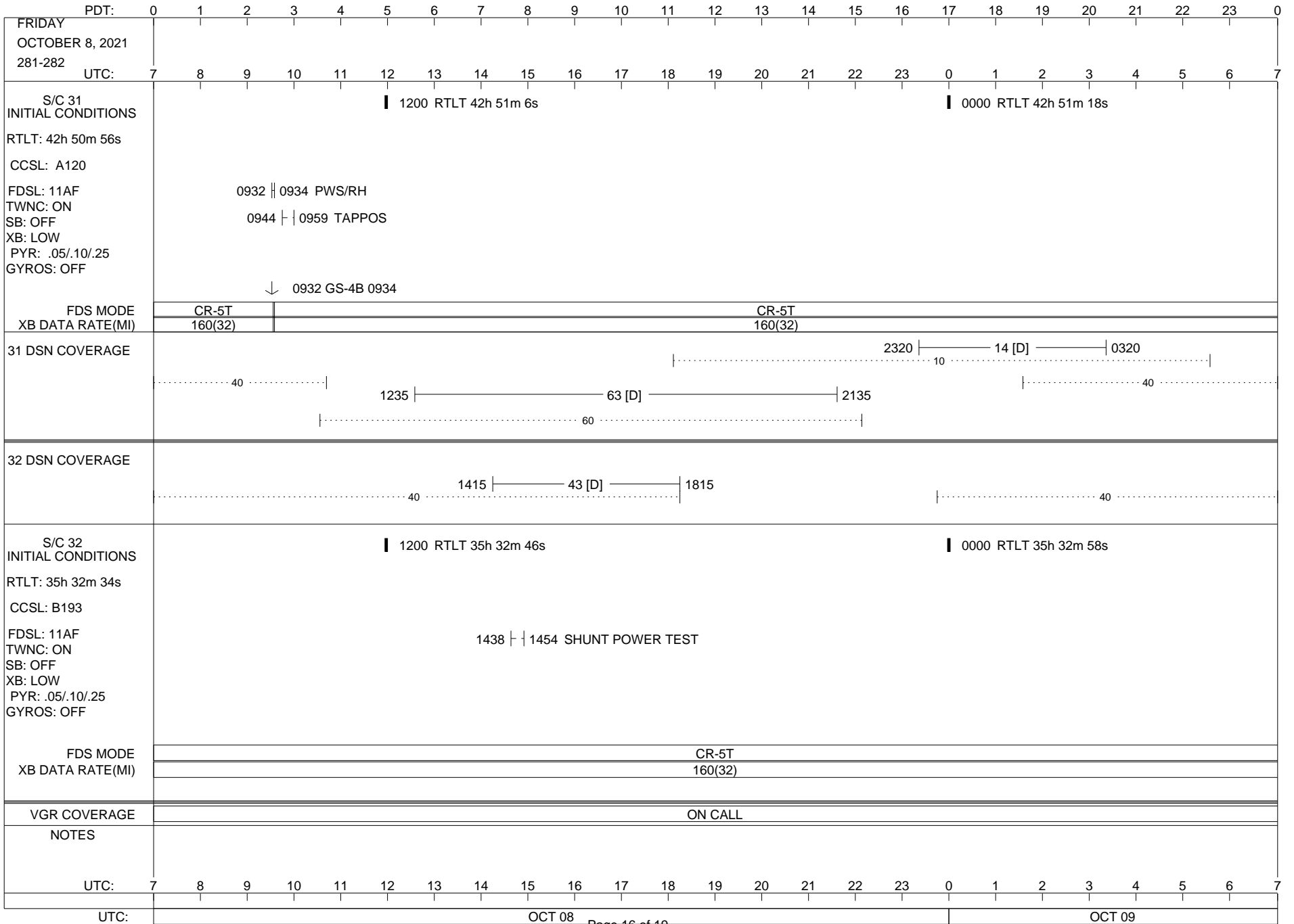
PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0	
WEDNESDAY OCTOBER 6, 2021 279-280	
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7	
S/C 31 INITIAL CONDITIONS RTLT: 42h 50m 12s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 50m 22s 0000 RTLT 42h 50m 34s
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE	43 [D] 0830 40 2115 14 [D1] 0540 10 60 40
32 DSN COVERAGE	1320 43 [D] 1825 40 40
S/C 32 INITIAL CONDITIONS RTLT: 35h 31m 50s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 32m 2s 0000 RTLT 35h 32m 12s
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
VGR COVERAGE	ON CALL
NOTES	[1] A121 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 06 Page 14 of 19 OCT 07	

ISSUE DATE: 09/22/21 08:43

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 7, 2021 280-281																											
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: 42h 50m 34s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200												█ 0000									
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
31 DSN COVERAGE													..... 40 .....   ..... 60 .....   ..... 10 ..... 0255   14 [D]   0515 ..... 40 .....														
32 DSN COVERAGE													..... 40 ..... 1230   43 [D]   1820 ..... 40 .....														
S/C 32 INITIAL CONDITIONS RTLTL: 35h 32m 12s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200												█ 0000									
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 07													OCT 08													



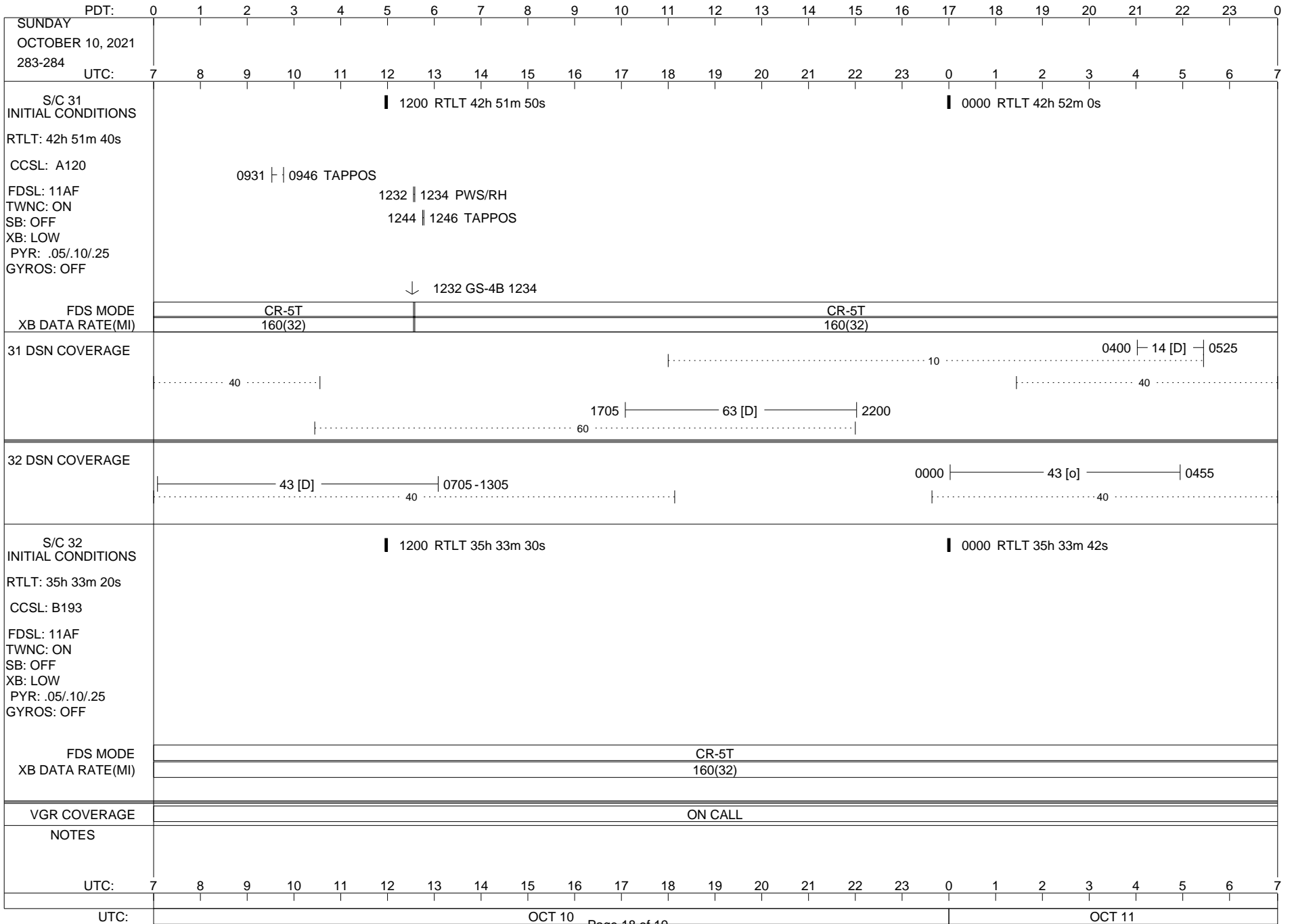
ISSUE DATE: 09/22/21 08:43



ISSUE DATE: 09/22/21 08:43

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 9, 2021 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 RTLT: 42h 51m 18s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 51m 28s												0000 RTLT 42h 51m 40s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	.....40.....												.....10.....  0210  -----14 [D]-----  0530												
	-----60-----												-----40-----												
32 DSN COVERAGE	0925  -----40-----  43 [B]  -----1810												-----40-----												
S/C 32 INITIAL CONDITIONS RTLT: 35h 32m 58s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 33m 8s												0000 RTLT 35h 33m 20s												
	▼ 1312 DUMMY (5 MIN BRACKETED 00:46)																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												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 09												OCT 10												

ISSUE DATE: 09/22/21 08:43



ISSUE DATE: 09/22/21 08:43

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 11, 2021 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 RTLT: 42h 52m 0s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 52m 12s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p>..... 40 .....</p> <p>1100  ----- 63 [D] -----  1530</p> <p> ----- 60 .....</p>																										
32 DSN COVERAGE	<p>..... 40 .....</p> <p>1440  ----- 43 [D] -----  1805</p> <p> ----- 40 .....</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 35h 33m 42s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 33m 54s																										
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 11													OCT 12													