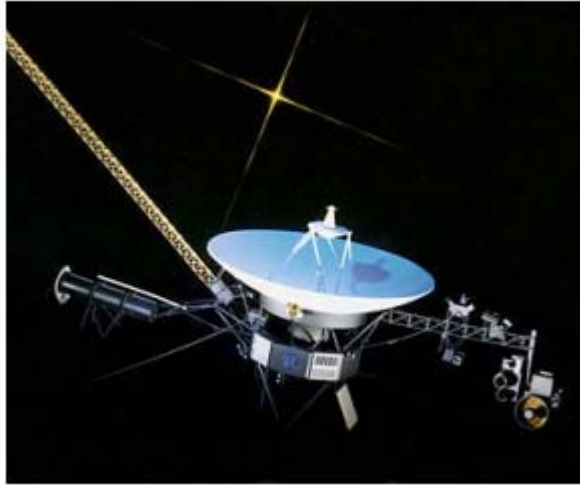


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 22, 2020

For the Period: 12/24/20 to 01/10/21 (20/359 – 21/010)



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

LEGEND:

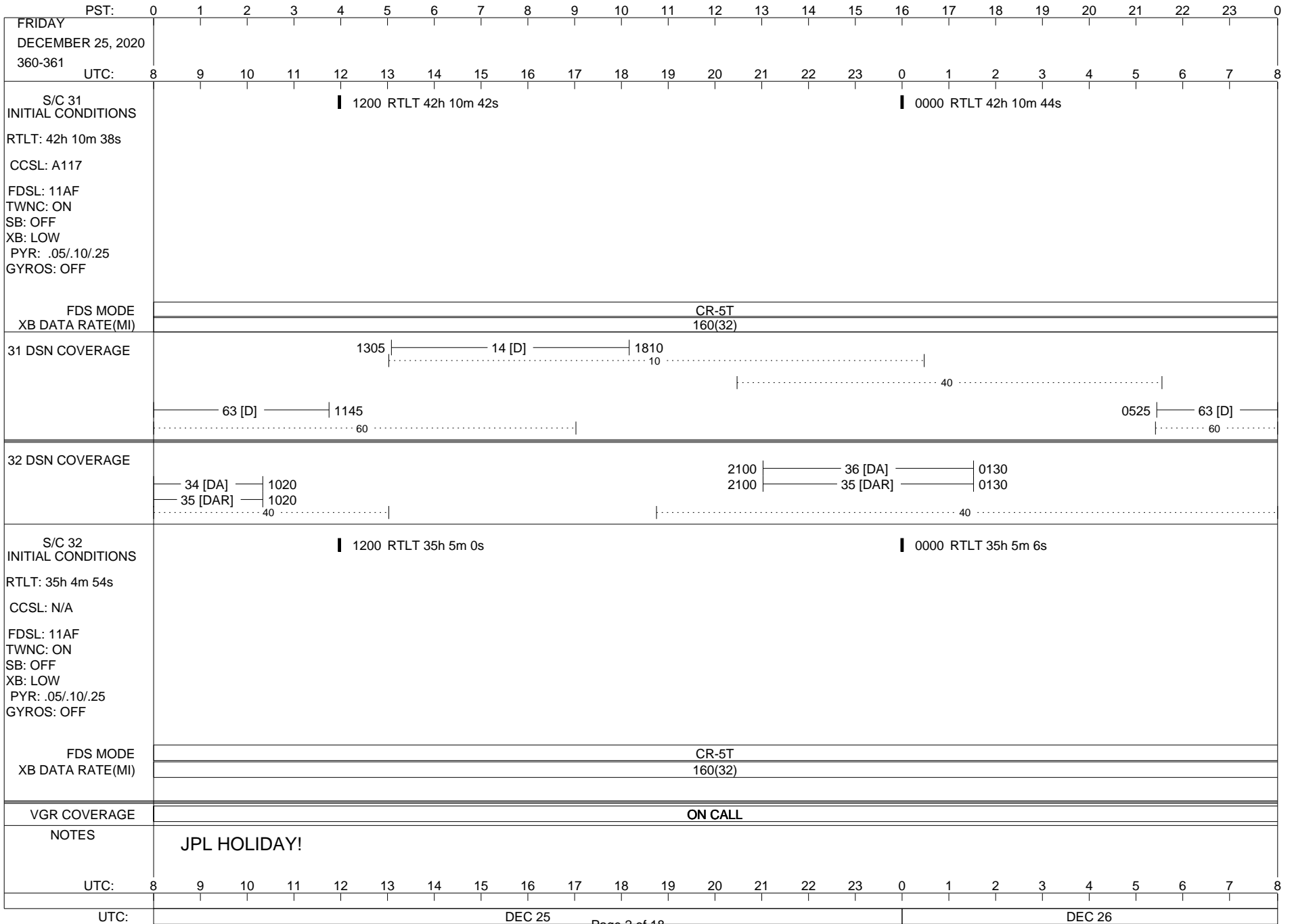
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

02/27/19

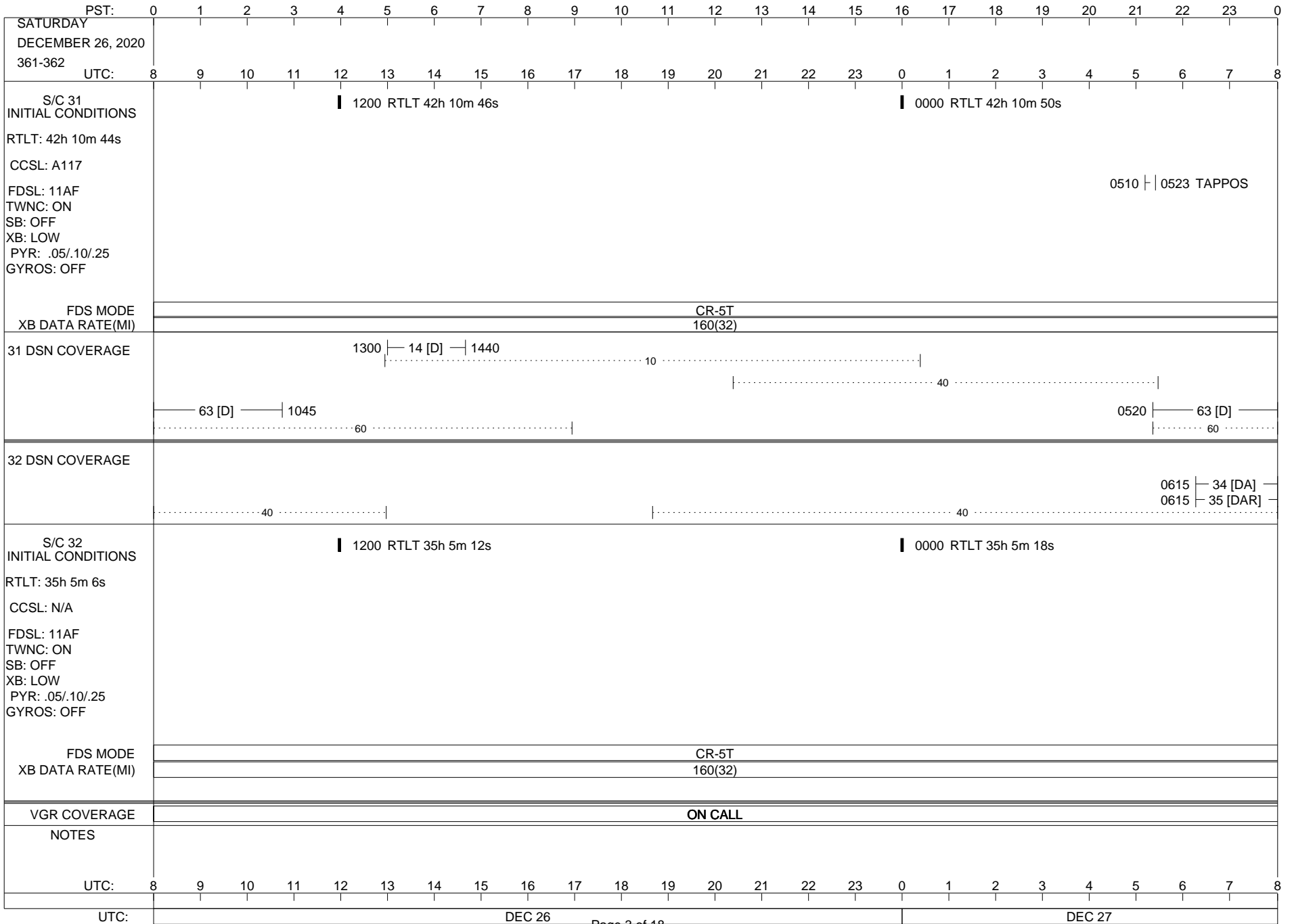
ISSUE DATE: 12/17/20 16:42

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THURSDAY DECEMBER 24, 2020 359-360	
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
S/C 31 INITIAL CONDITIONS RTLT: 42h 10m 34s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 42h 10m 36s</p> <p>0000 RTLT 42h 10m 38s</p> <p>0210 - TAPPOS - 0402 0512 0513 PWS/RH 0524-0730 - TAPPOS -</p> <p>0512 GS-4B 0513</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32) CR-5T 160(32)
31 DSN COVERAGE	<p>1305 14 [D] 1705</p> <p>63 [D] 1045</p> <p>0530 63 [D]</p>
32 DSN COVERAGE	<p>40</p> <p>0620 34 [DA] 0620 35 [DAR]</p>
S/C 32 INITIAL CONDITIONS RTLT: 35h 4m 40s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 35h 4m 48s</p> <p>0000 RTLT 35h 4m 54s</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
VGR COVERAGE	ON CALL
NOTES	JPL HOLIDAY!
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
UTC: DEC 24 DEC 25	

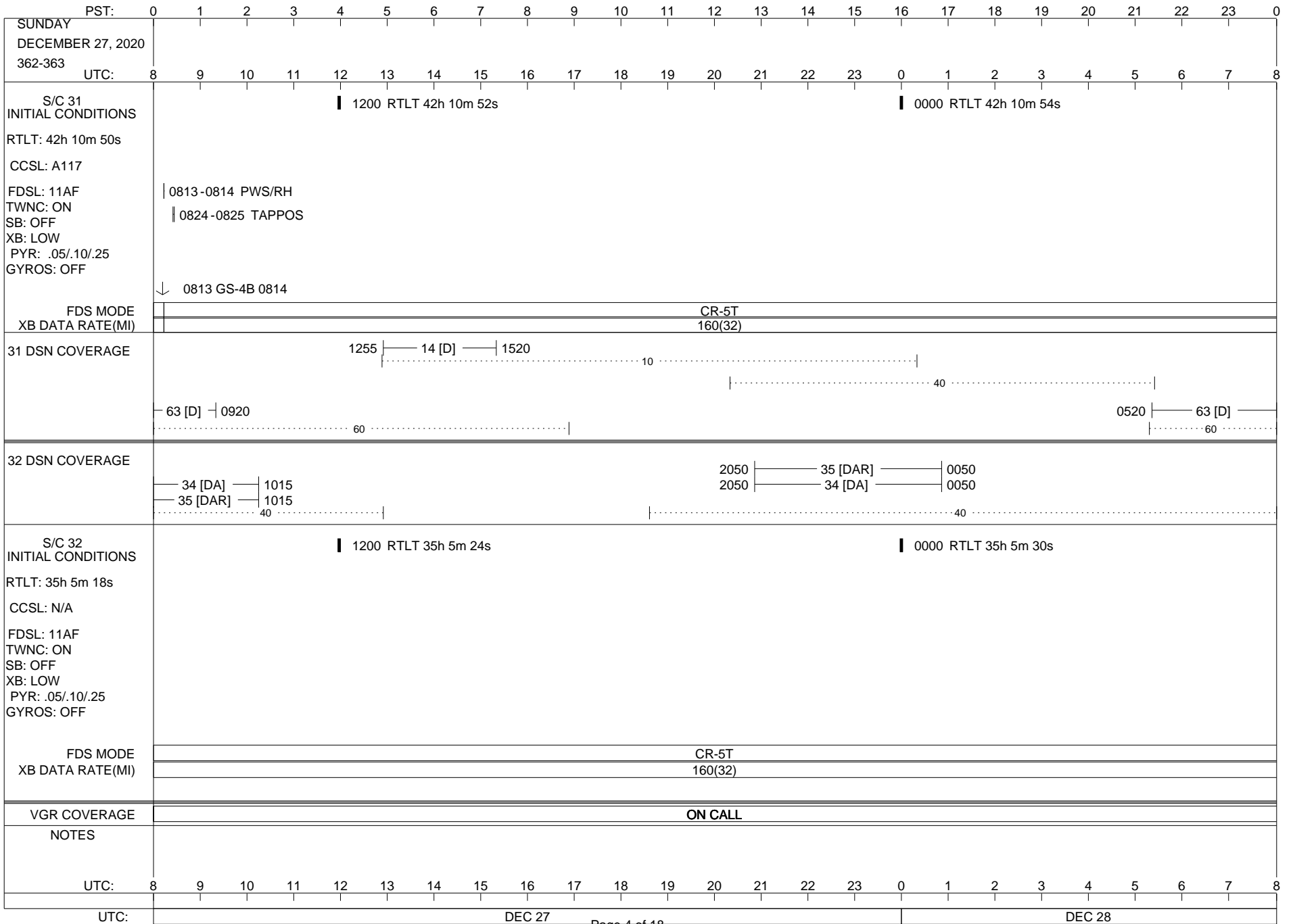
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ISSUE DATE: 12/17/20 16:42



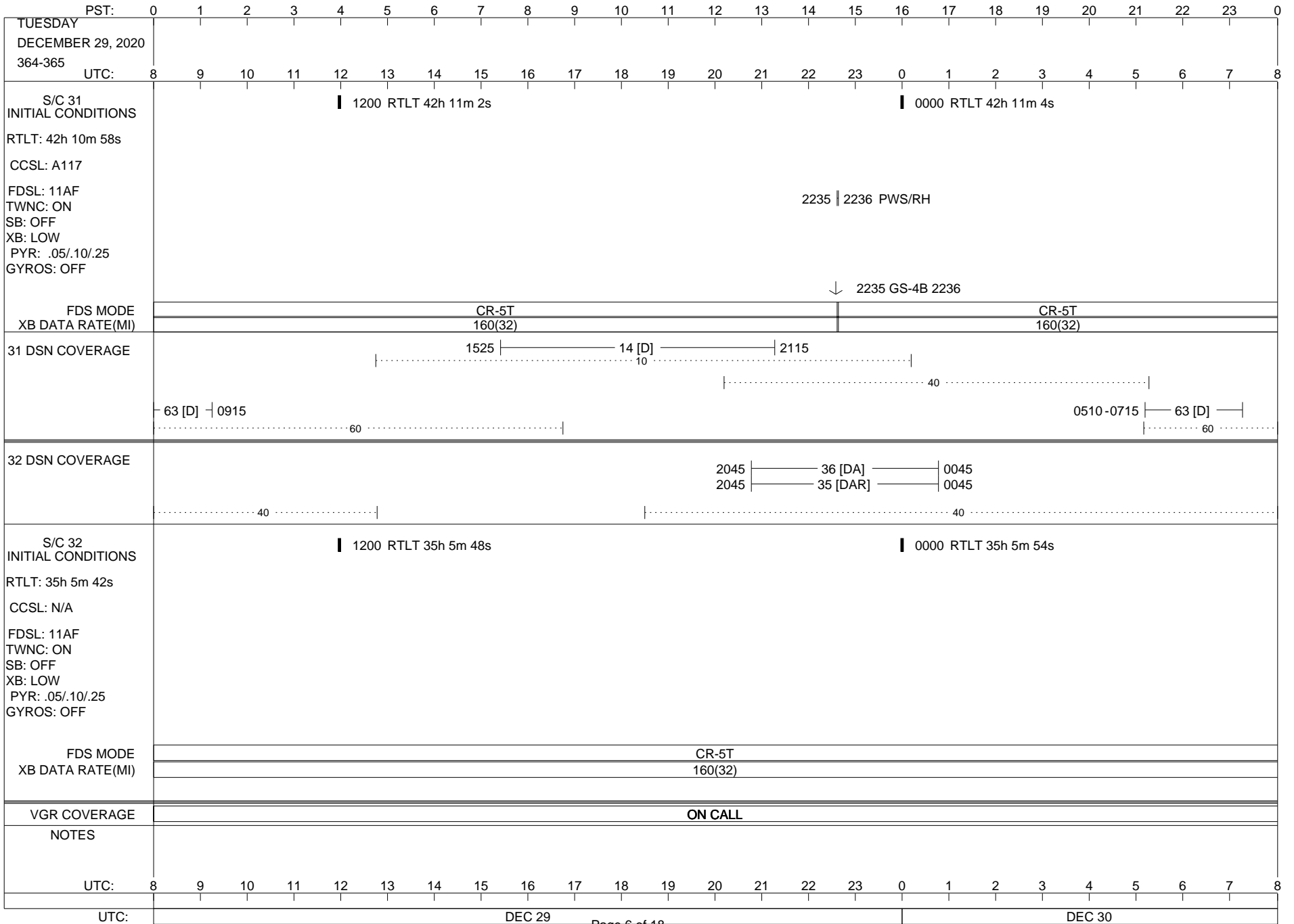
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ISSUE DATE: 12/17/20 16:42

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MONDAY DECEMBER 28, 2020 363-364																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 42h 10m 54s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 42h 10m 56s												█ 0000 RTLT 42h 10m 58s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	1250 ----- 14 [D] ----- 1650												10 ----- 40 -----												
	63 [D] ----- 0915 -----												0515 ----- 63 [D] -----												
	60 -----												60 -----												
32 DSN COVERAGE	40 -----												2050 ----- 36 [DA] ----- 0050												
													2050 ----- 35 [DAR] ----- 0050												
	40 -----												40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 35h 5m 30s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 35h 5m 36s												█ 0000 RTLT 35h 5m 42s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE													ON CALL												
NOTES	JPL HOLIDAY!																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	DEC 28												DEC 29												

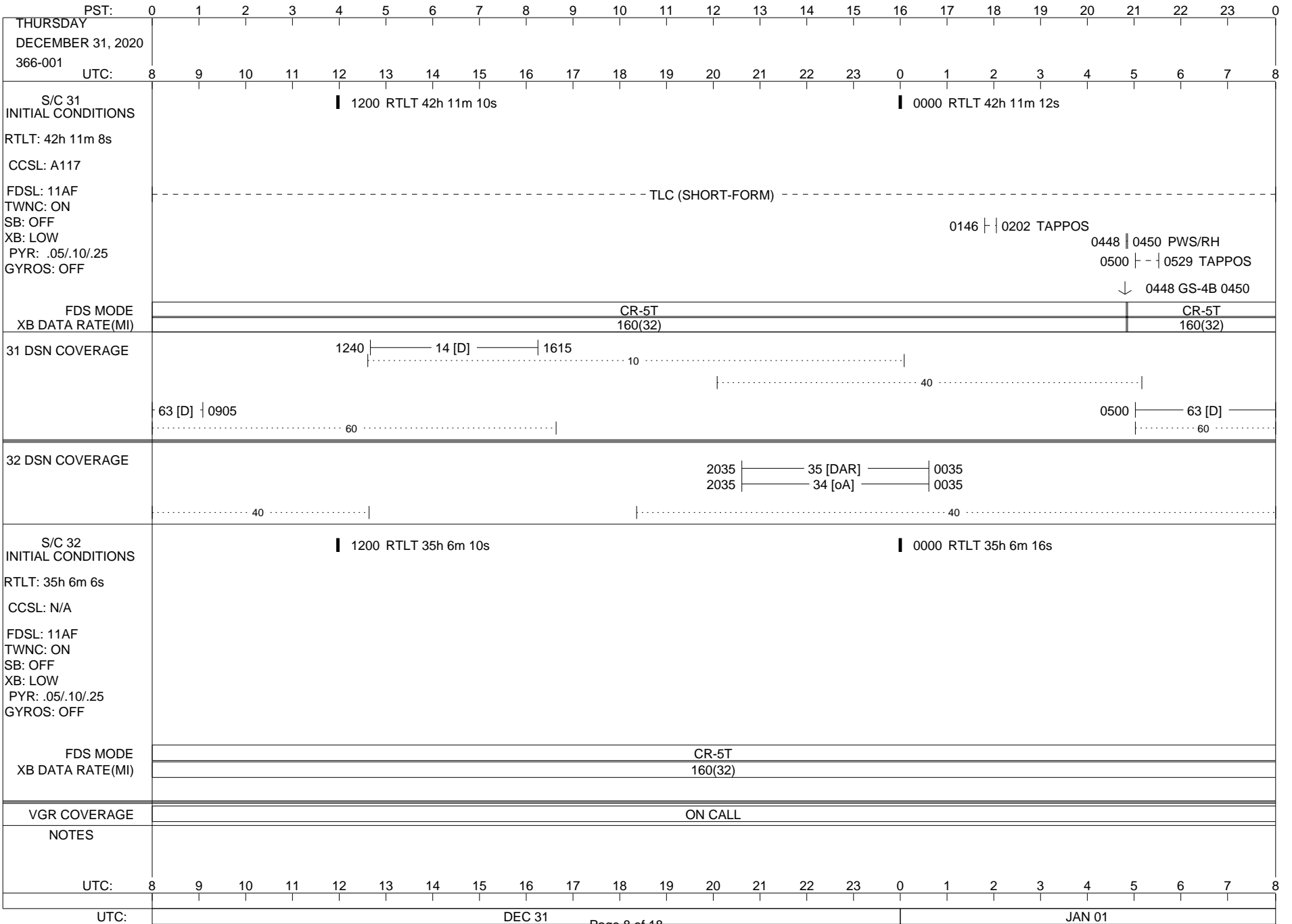
ISSUE DATE: 12/17/20 16:42



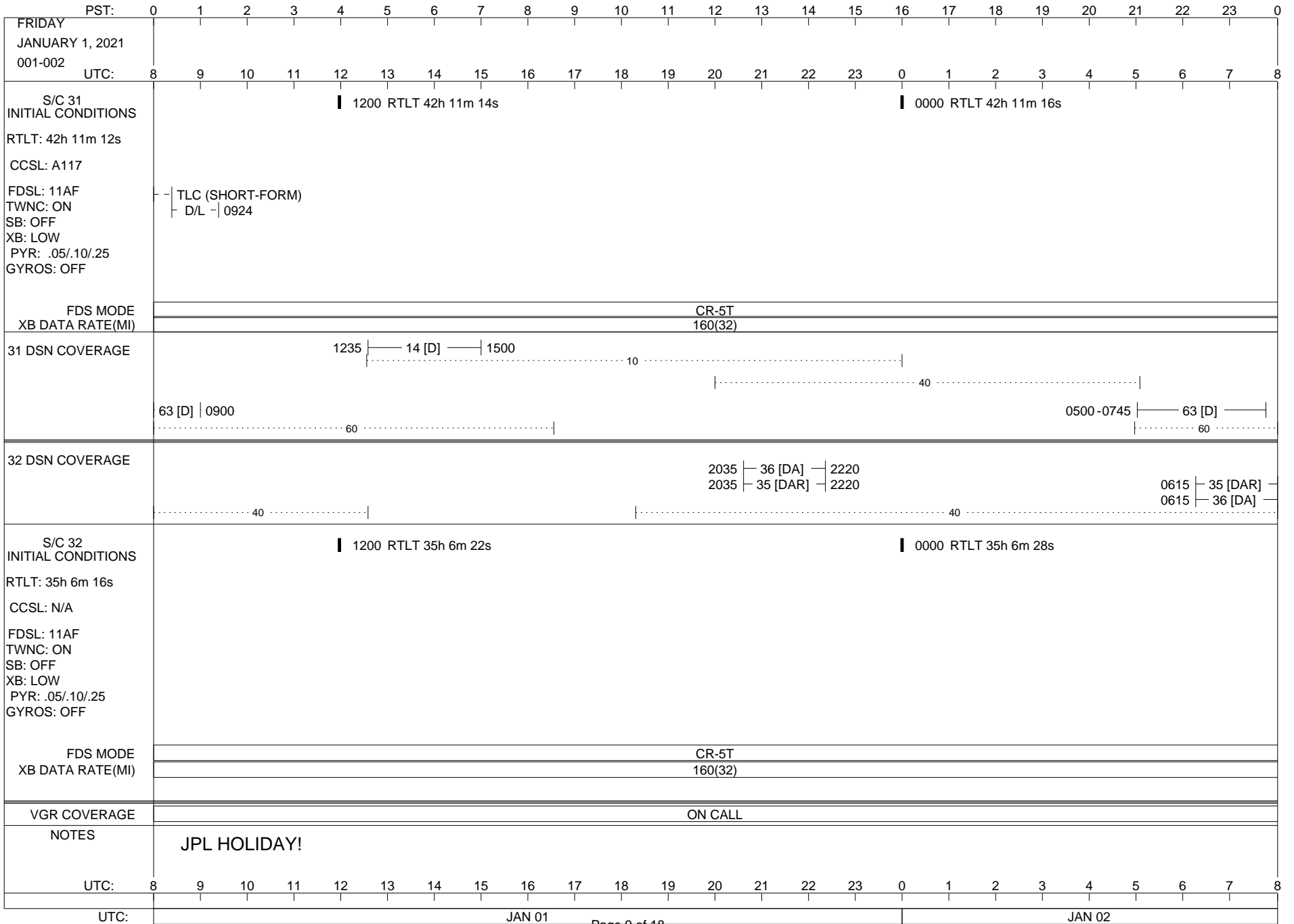
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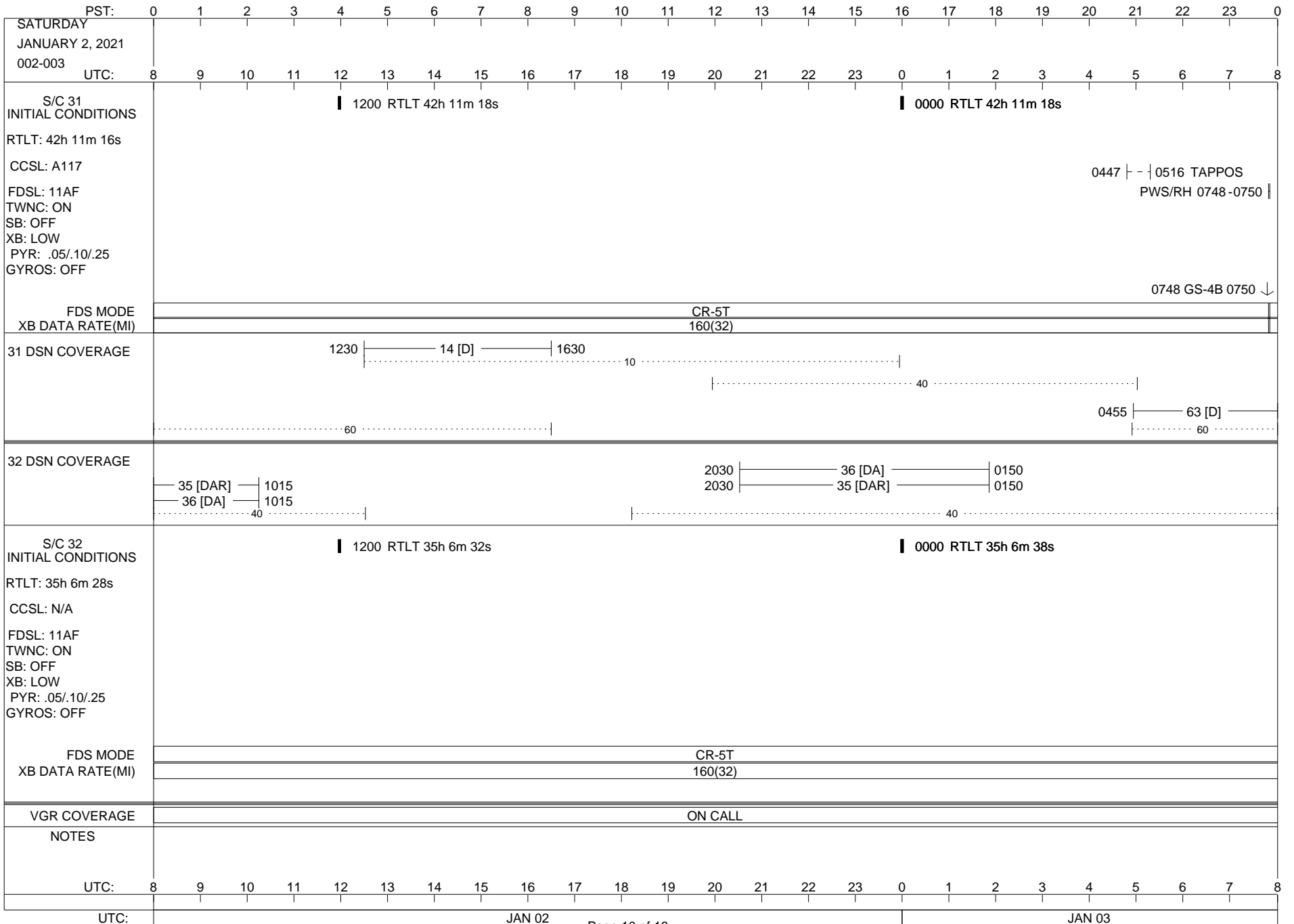
PST: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0	
WEDNESDAY	
DECEMBER 30, 2020	
365-366 UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
S/C 31 INITIAL CONDITIONS RTLT: 42h 11m 4s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 42h 11m 6s</p> <p>1320 CCS DIAG (07:31)</p> <p>U/L 1345 - ----- TLC (SHORT-FORM) -----</p> <p>0000 RTLT 42h 11m 8s</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<p>1245 ----- 14 [T] ----- 1615</p> <p>..... ----- 10 ----- </p> <p>..... ----- 40 ----- </p> <p>..... ----- 60 ----- </p> <p>..... ----- 0505 ----- 63 [D] ----- </p> <p>..... ----- 60 ----- </p>
32 DSN COVERAGE	<p>2040 ----- 35 [DAR] ----- 2335</p> <p>2040 ----- 34 [DA] ----- 2335</p> <p>..... ----- 40 ----- </p> <p>..... ----- 40 ----- </p>
S/C 32 INITIAL CONDITIONS RTLT: 35h 5m 54s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 35h 6m 0s</p> <p>0000 RTLT 35h 6m 6s</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
VGR COVERAGE	ON CALL VGR ON CALL
NOTES	
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
UTC: DEC 30 Page 7 of 18 DEC 31	

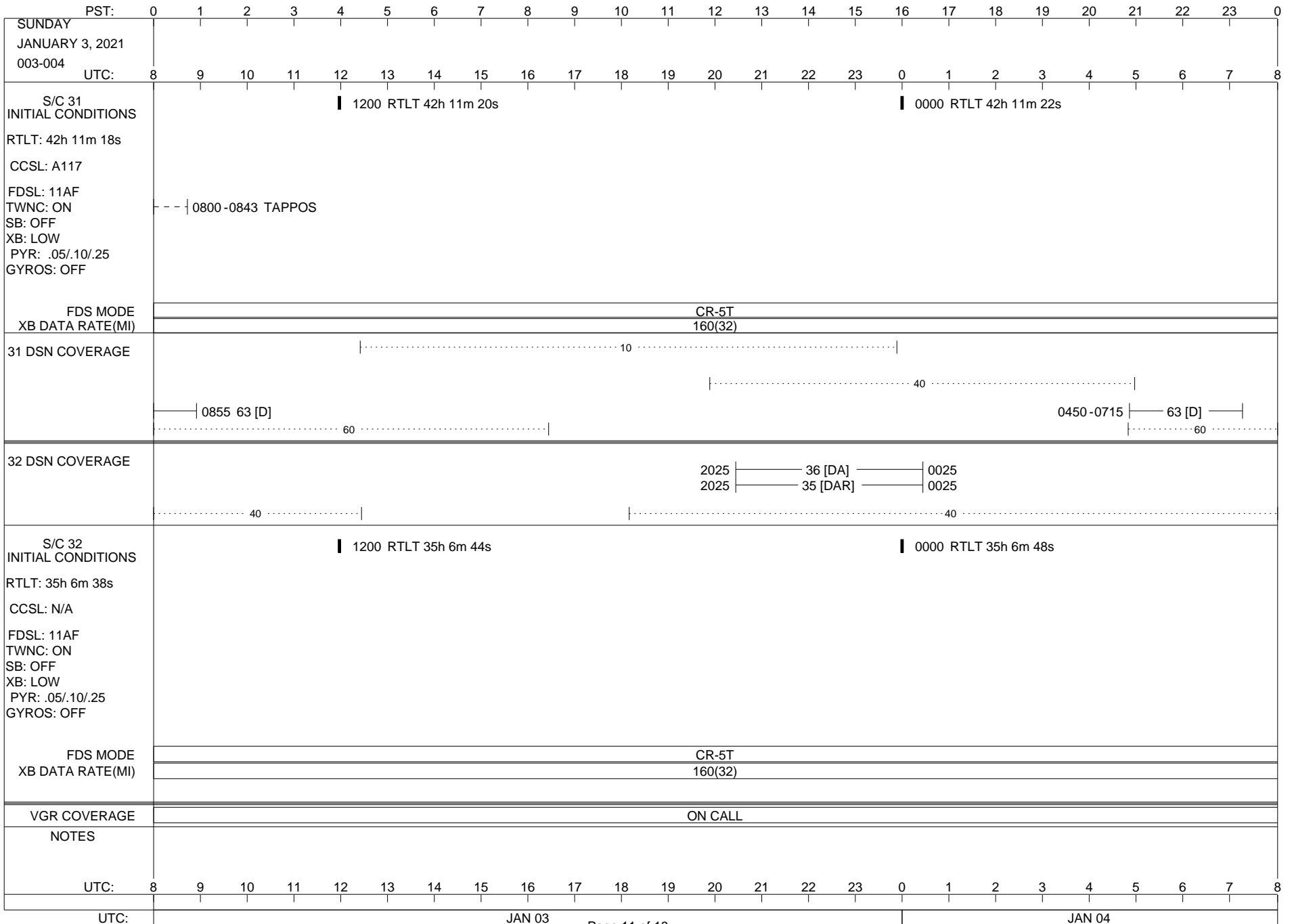
ISSUE DATE: 12/17/20 16:42

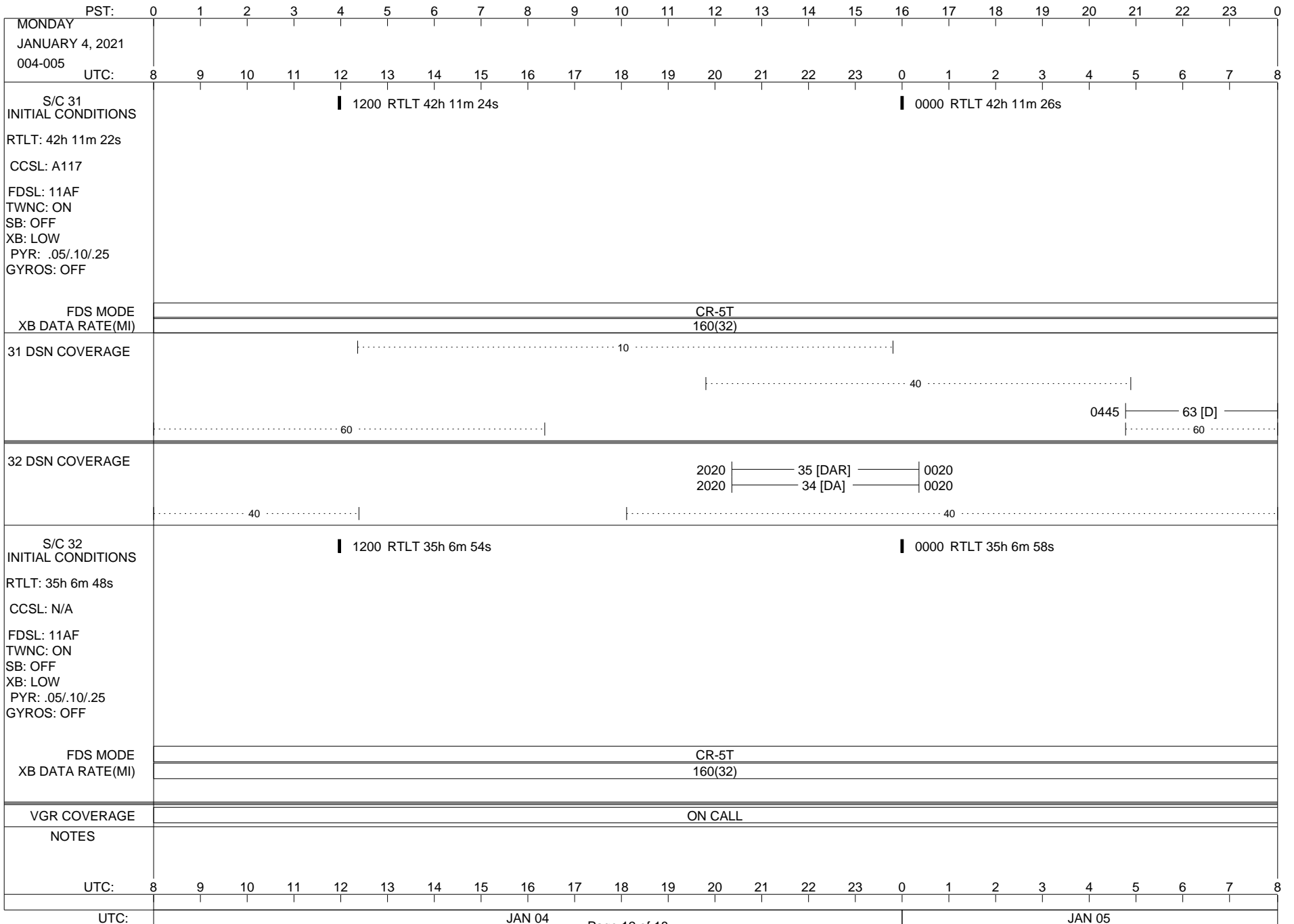


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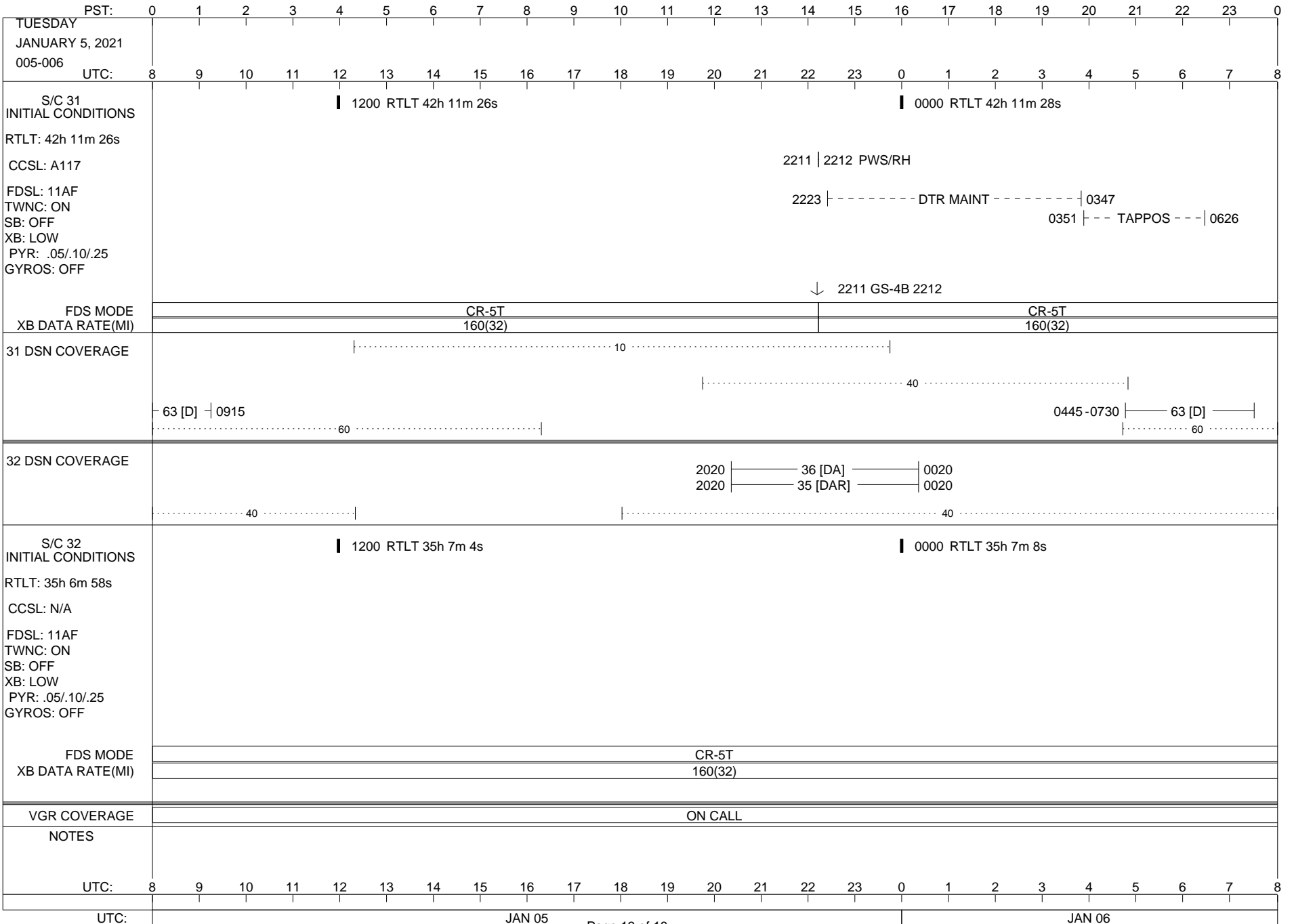








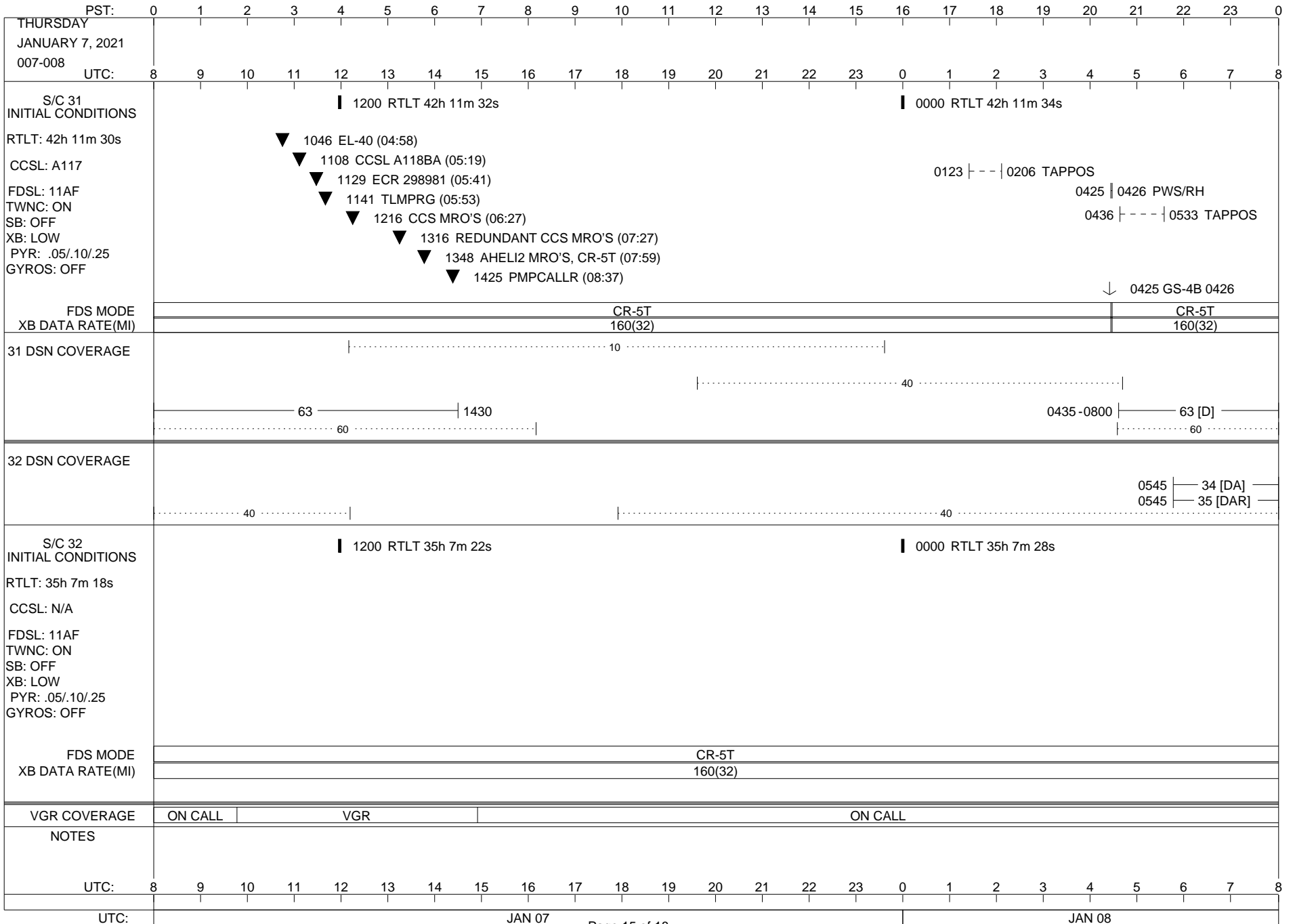
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ISSUE DATE: 12/17/20 16:42

PST:	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 JANUARY 6, 2021 006-007																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 42h 11m 28s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 42h 11m 30s												0000 RTLTL 42h 11m 30s												
	1427 ---- MAGCAL ---- 1729												1427 ---- PESCAL ---- 1747												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE 10 40												
 60												0440 ----- 63												
 60 60												
32 DSN COVERAGE 40												2015 ----- 35 [DAR] ----- 0015												
 40												2015 ----- 34 [oA] ----- 0015												
 40 40												
S/C 32 INITIAL CONDITIONS RTLTL: 35h 7m 8s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 7m 14s												0000 RTLTL 35h 7m 18s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE													ON CALL												
NOTES																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	JAN 06												JAN 07												

ISSUE DATE: 12/17/20 16:42



ISSUE DATE: 12/17/20 16:42

PST:	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 JANUARY 8, 2021 008-009																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 42h 11m 34s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 11m 34s												0000 RTLT 42h 11m 36s												
													A118BA CHKSUM 0529 0533 IMPLEMENT ECR 298981 0542 TLMPRG 0553 0609 CCS MRO'S 0630 0646 REDUNDANT CCS MRO'S 0730-0746												
													EL-40 0459 ↓ *												
FDS MODE	CR-5T												EL-40												
XB DATA RATE(MI)	160(32)												40(30)												
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 35h 7m 28s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 7m 32s												0000 RTLT 35h 7m 36s												
													▼ 1954 CCSTIM F/C (07:01) ▼ 2030 HCLOCK MRO (07:37) ▼ 2126 SHUNT POWER TEST (08:34)												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL												VGR			ON CALL						VGR			
NOTES	[1] DSS-43 DEMO TRACK, HP TRX DRV ON >= 19:15 [2] S/C 31=EL-40 @ 0459 XB=40(30)																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	JAN 08												Page 16 of 18						JAN 09						

PST:	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 JANUARY 9, 2021 009-010	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS RTLT: 42h 11m 36s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 11m 36s												0000 RTLT 42h 11m 38s													
	U/L 0945 ----- TLC (SHORT-FORM) -----																									
	0802-0803 2 AHELI2 CCS MRO'S																				0423 ----- 0519 TAPPOS					
	0849 ----- MAGCAL ----- 1151																				PWS/RH 0725-0726					
	0849 ----- PESCAL ----- 1210																				TAPPOS 0736 -----					
	0804 CR-5T																				0725 GS-4B 0726 ↓					
FDS MODE XB DATA RATE(MI)	CR-5T												CR-5T													
	160(32)												160(32)													
31 DSN COVERAGE	----- 10												----- 40													
	63 [T] ----- 1315						----- 40						0425 ----- 63 [D] -----													
	----- 60												----- 60													
32 DSN COVERAGE	----- 40												----- 40													
	2000 ----- 35 [DAR] ----- 0000												2000 ----- 34 [DA] ----- 0000													
	0635 ----- 43 [o2] -----																									
S/C 32 INITIAL CONDITIONS RTLT: 35h 7m 36s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 7m 42s												0000 RTLT 35h 7m 46s													
	CCSTIM FINE 0702 ----- 0709																				COARSE 0732-0735					
	HCLOCK MRO 0738 -----																				*					
FDS MODE XB DATA RATE(MI)	CR-5T												CR-5T													
	160(32)												160(32)													
VGR COVERAGE	ON CALL																									
NOTES	[1] S/C 31=CR-5T @ 0802 XB=160(32) [2] DSS-43 DEMO TRACK																									
UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
UTC:	JAN 09												JAN 10													

PST:	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 JANUARY 10, 2021 010-011	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
S/C 31 INITIAL CONDITIONS RTLT: 42h 11m 38s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 42h 11m 38s</p> <p>TLC (SHORT-FORM)</p> <p>0847 TAPPOS</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<p>0825 63 [D]</p> <p>60</p>																										
32 DSN COVERAGE	<p>43 [o2] 1020</p> <p>40</p> <p>2000 35 [DAR] 0000</p> <p>2000 34 [DA] 0000</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 35h 7m 46s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 35h 7m 50s</p> <p>0808 HCLOCK MRO</p> <p>* 0835-0852 SHUNT POWER TEST</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE	VGR																										ON CALL
NOTES																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
UTC:	JAN 10													JAN 11													