

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: June 30, 2021

For the Period: 07/01/21 to 07/19/21 (21/182 – 21/200)



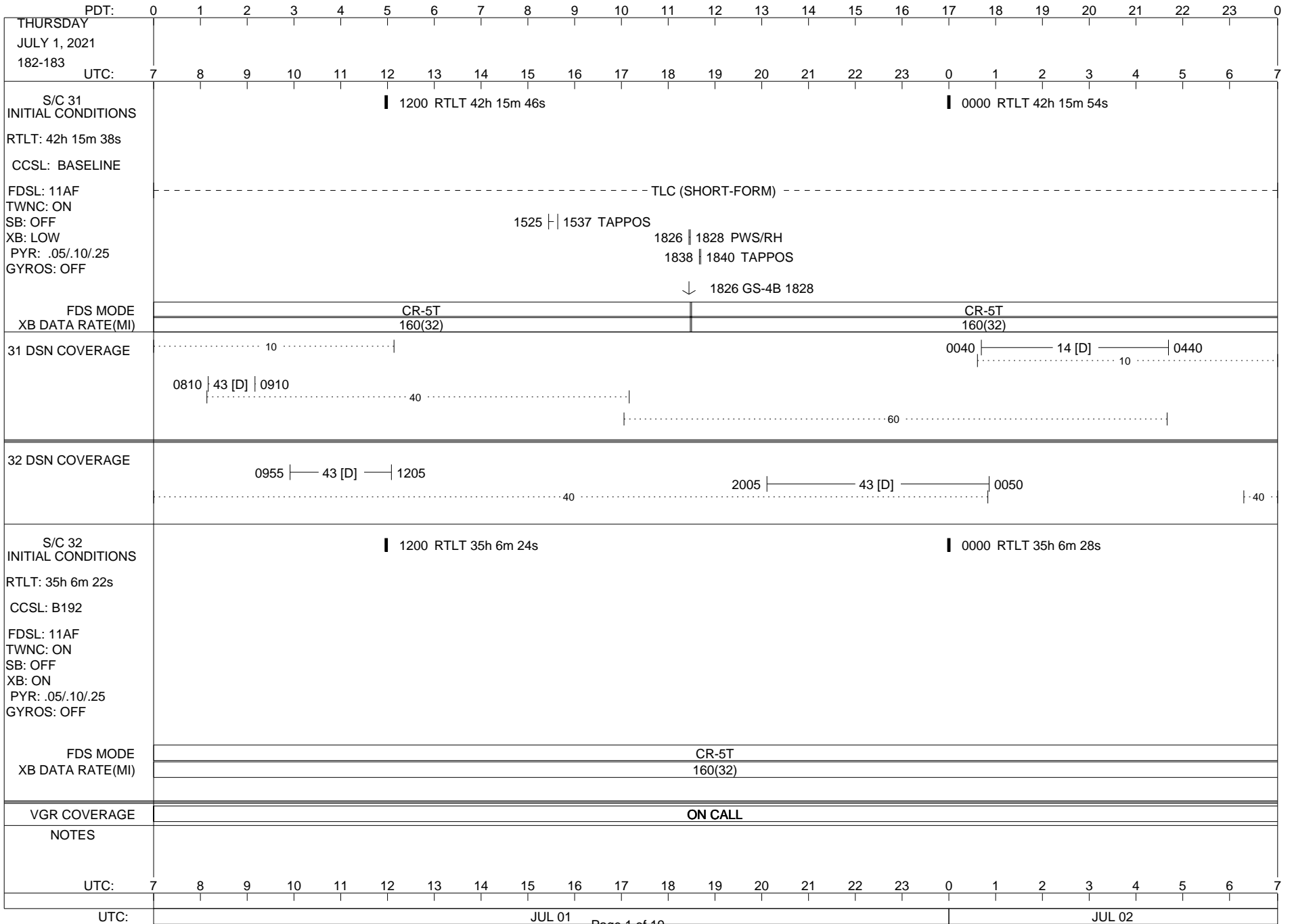
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

LEGEND:

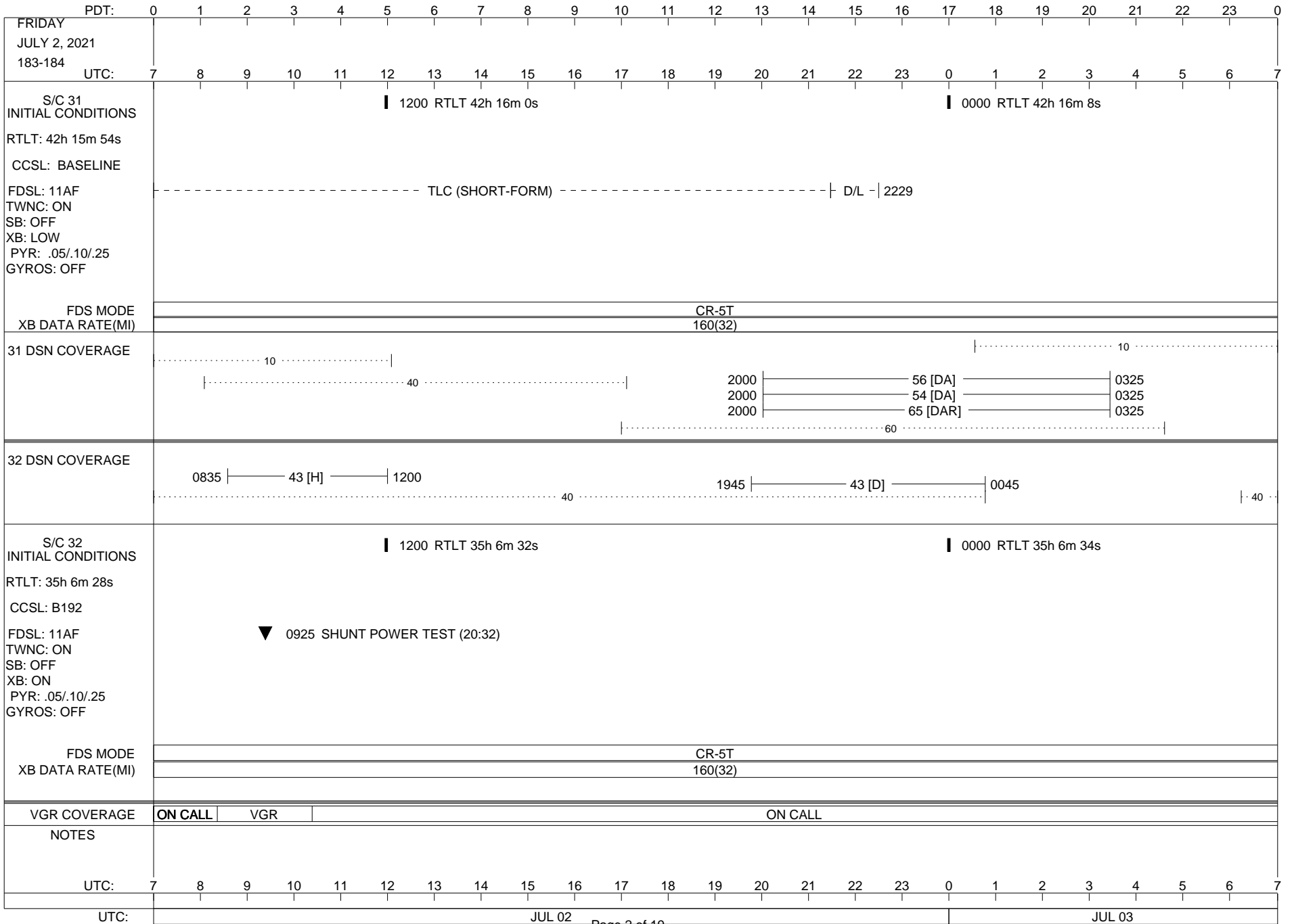
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

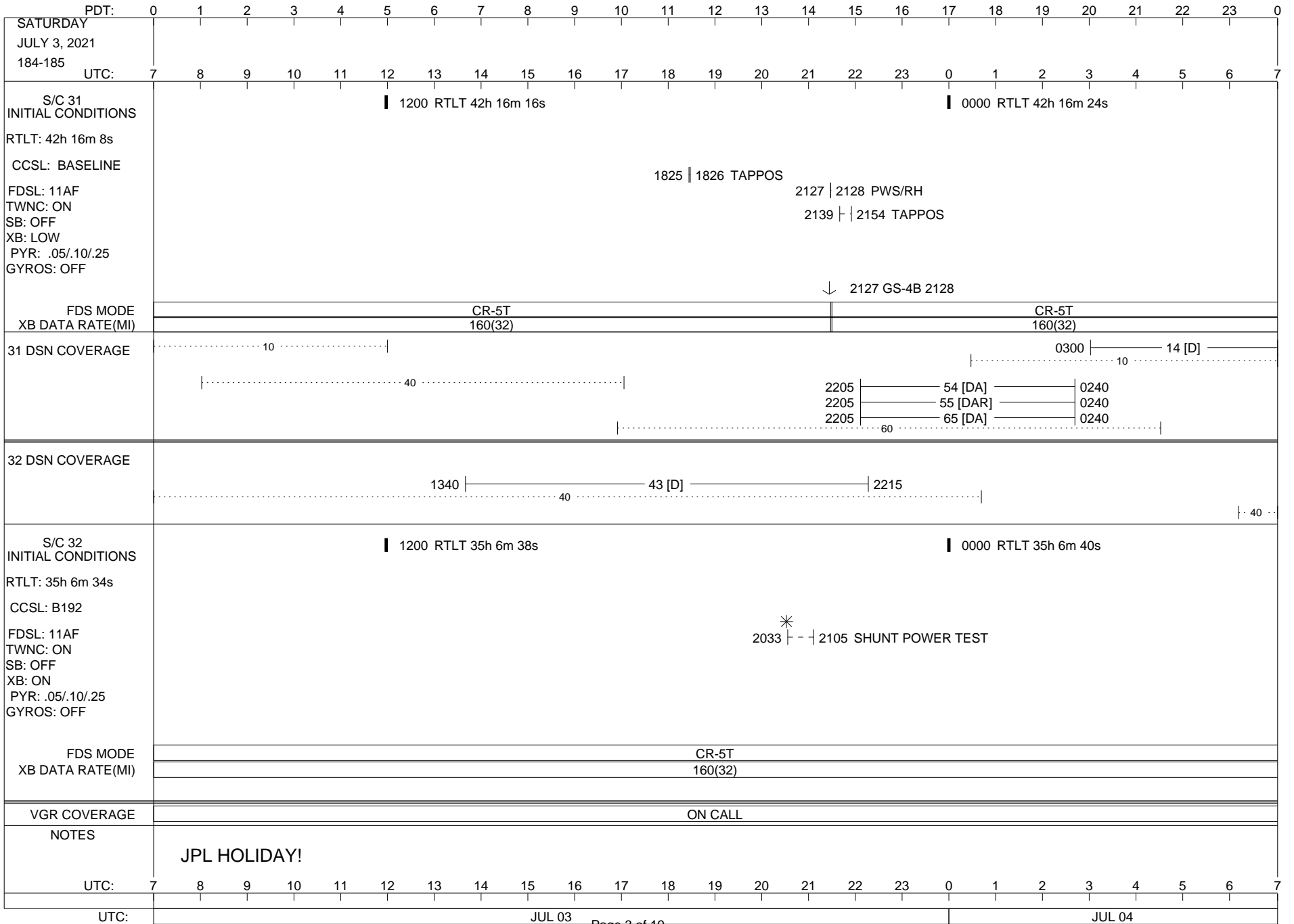
02/27/19

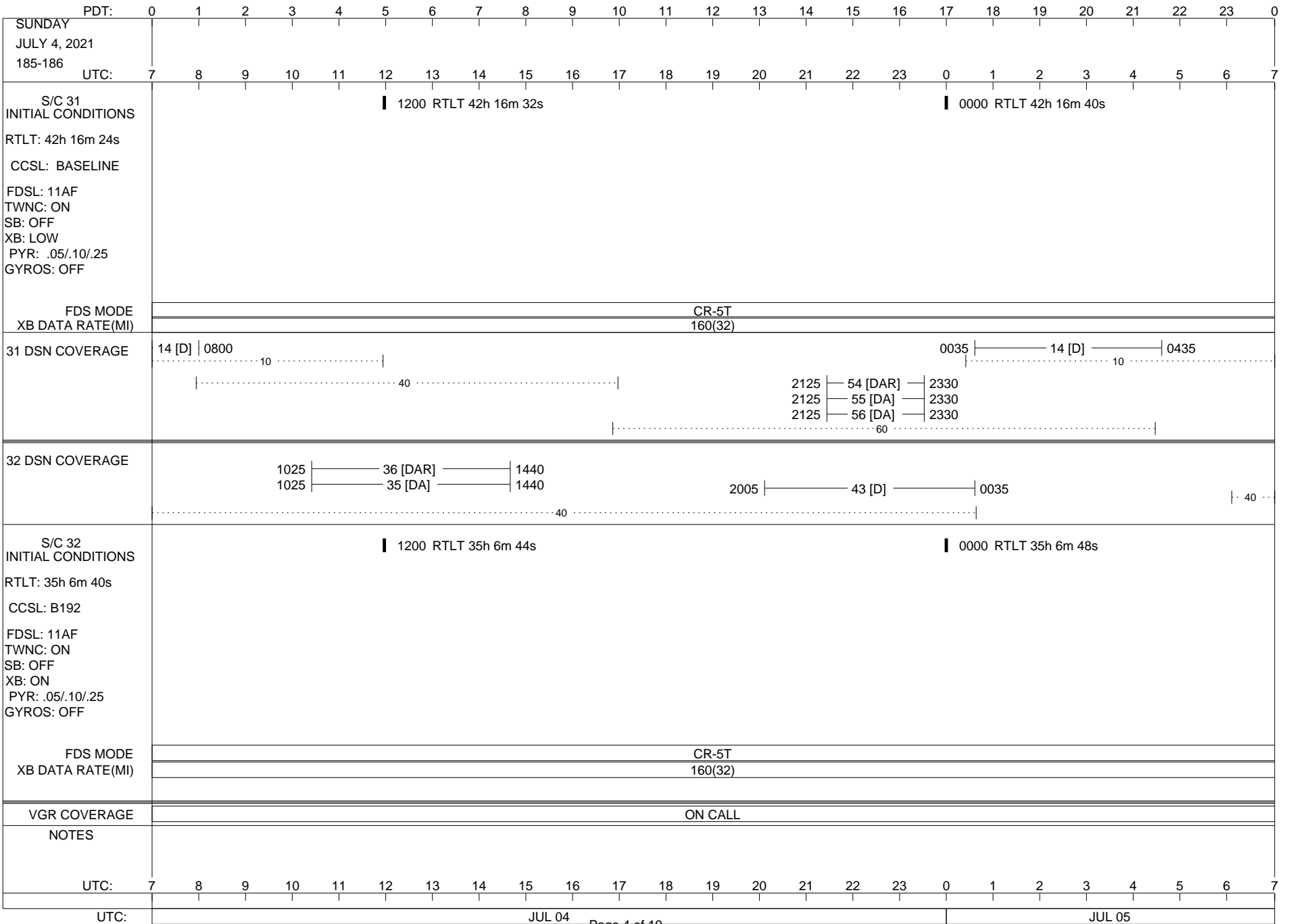
ISSUE DATE: 06/30/21 10:09



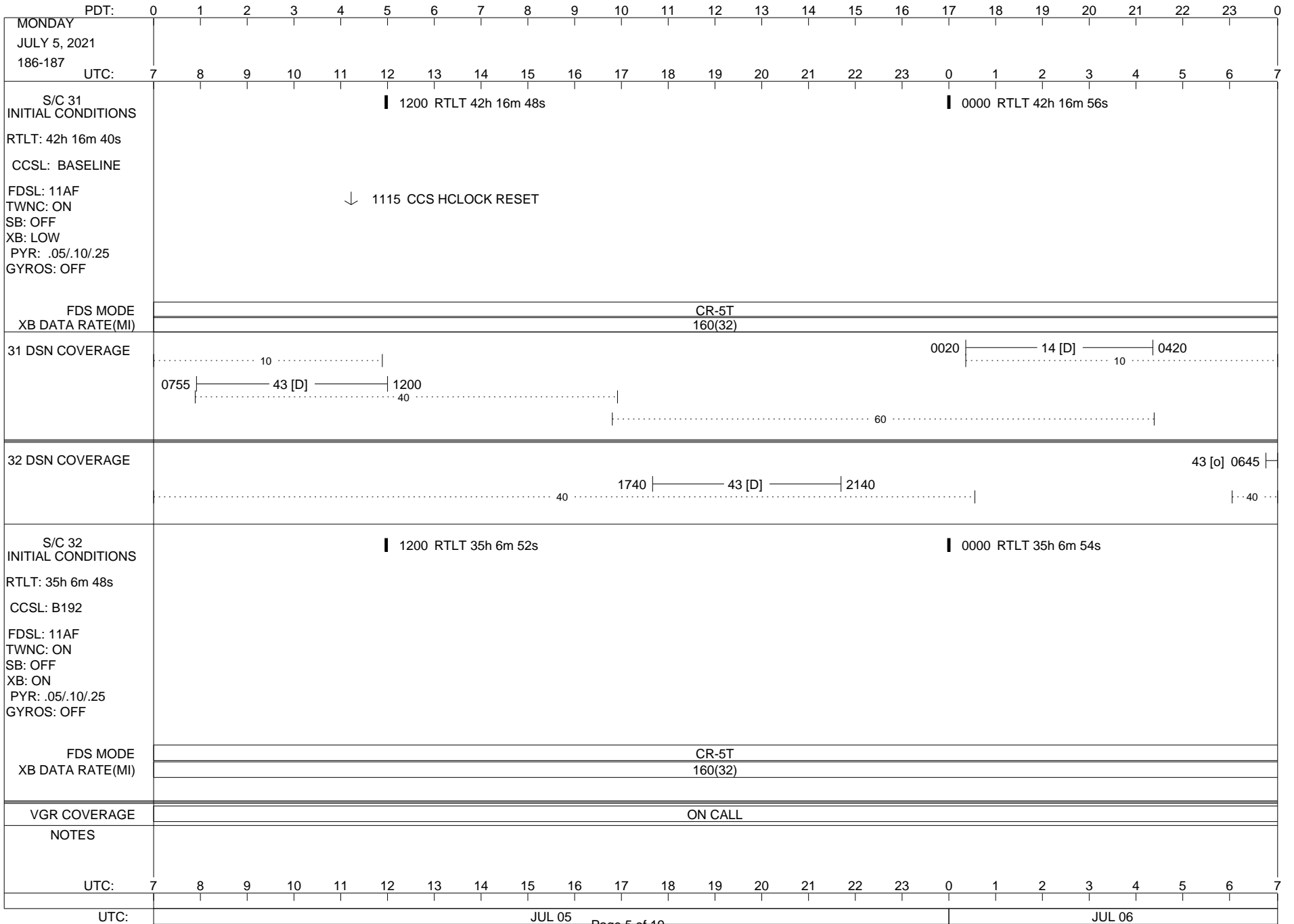
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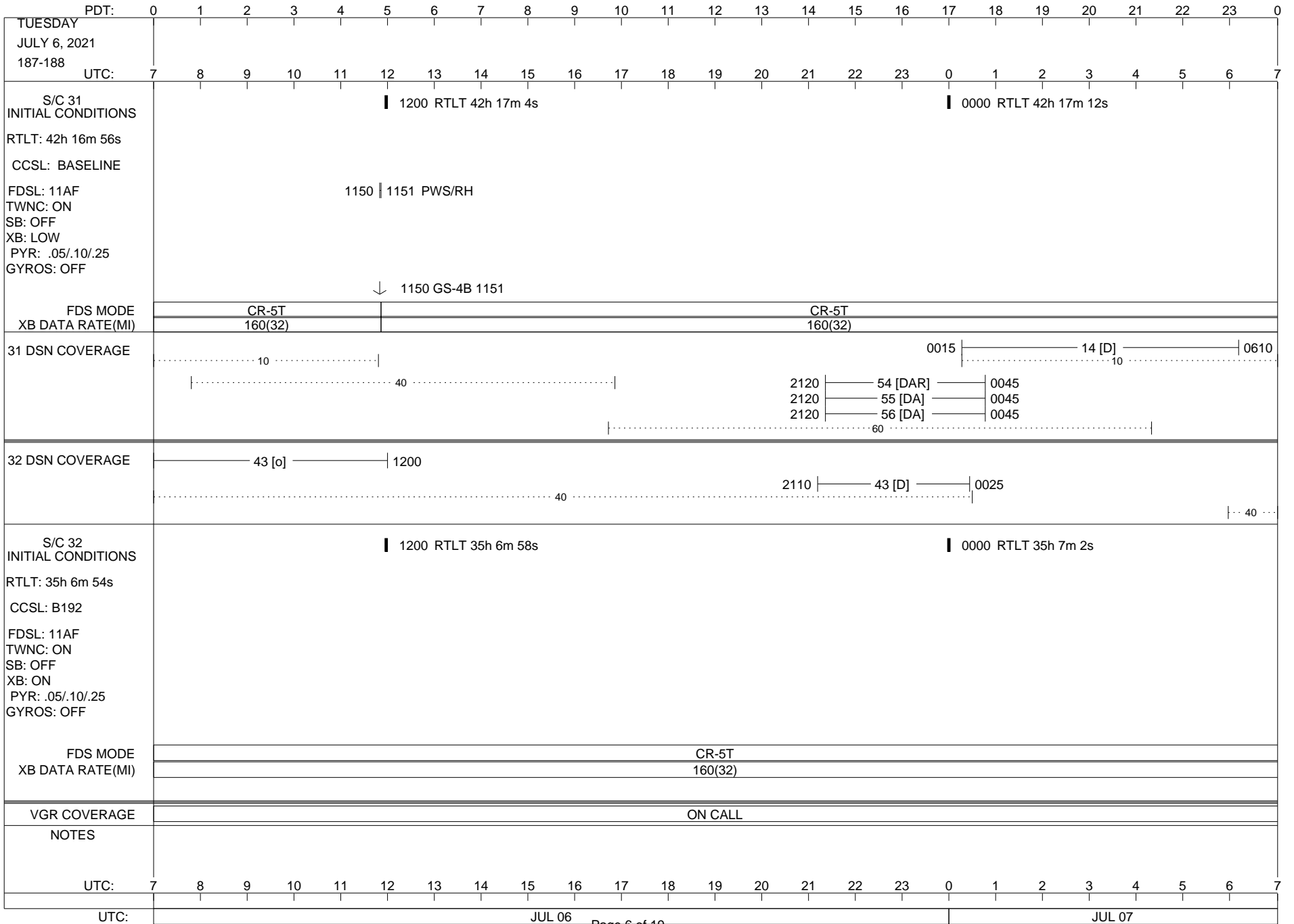




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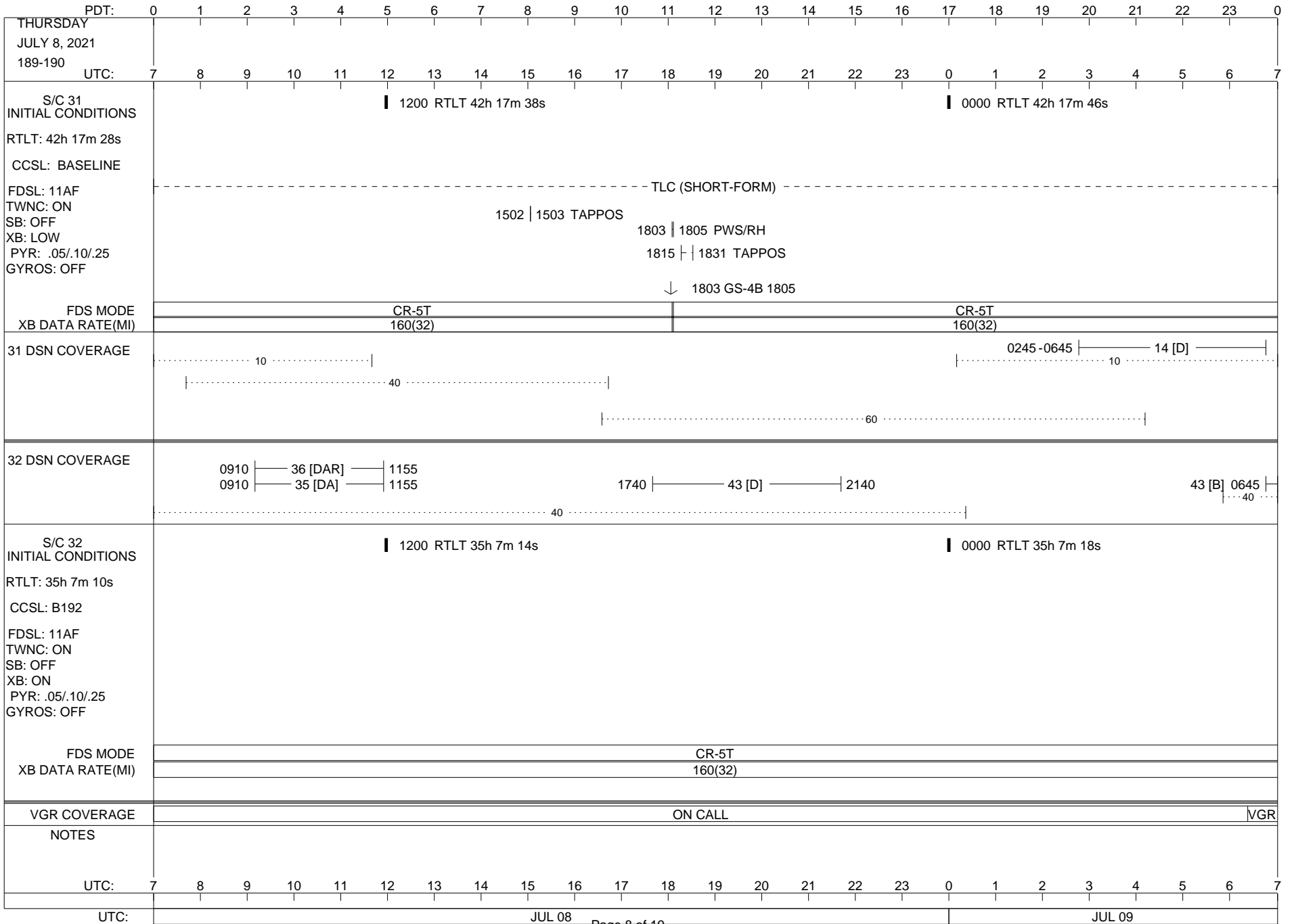
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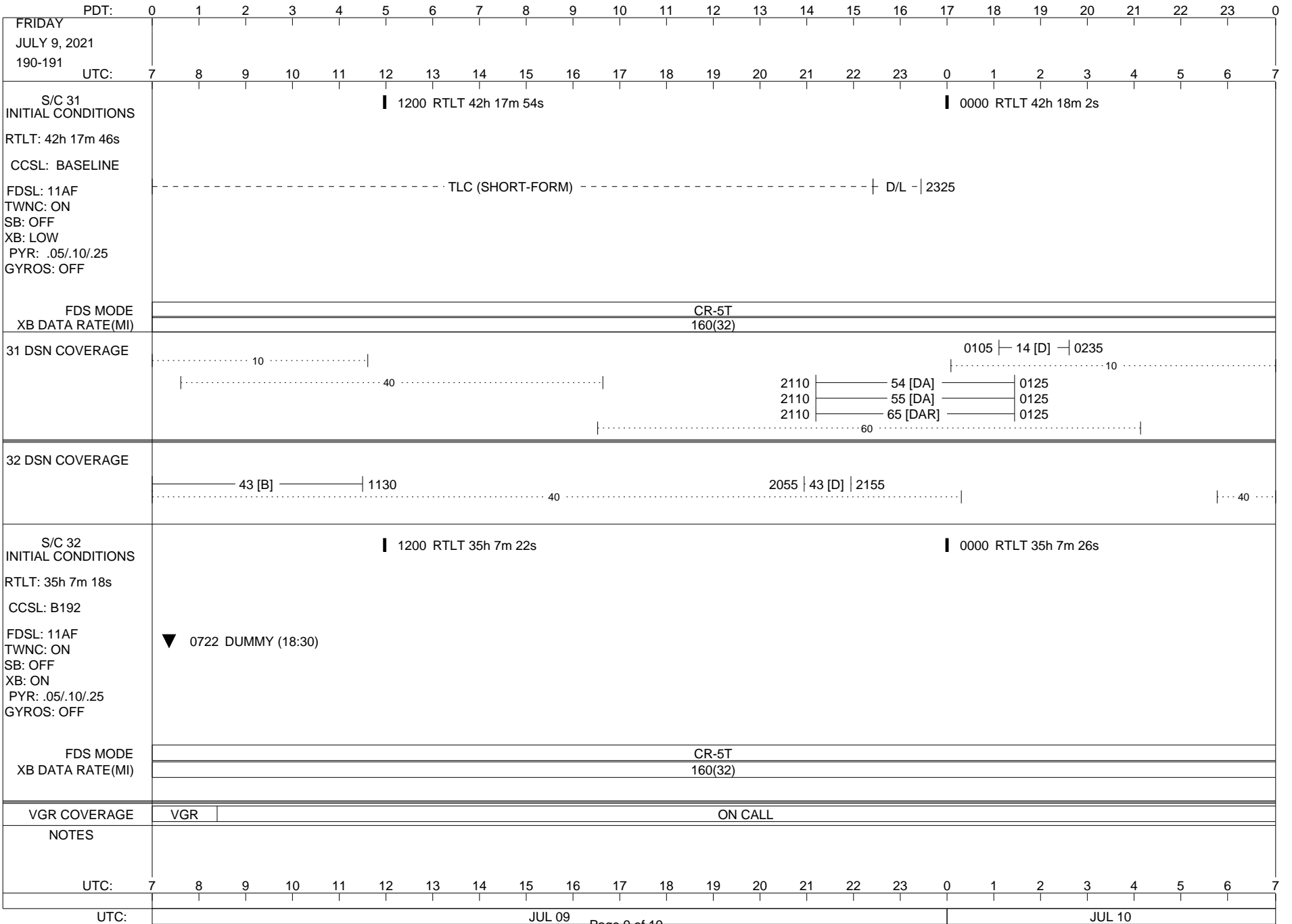
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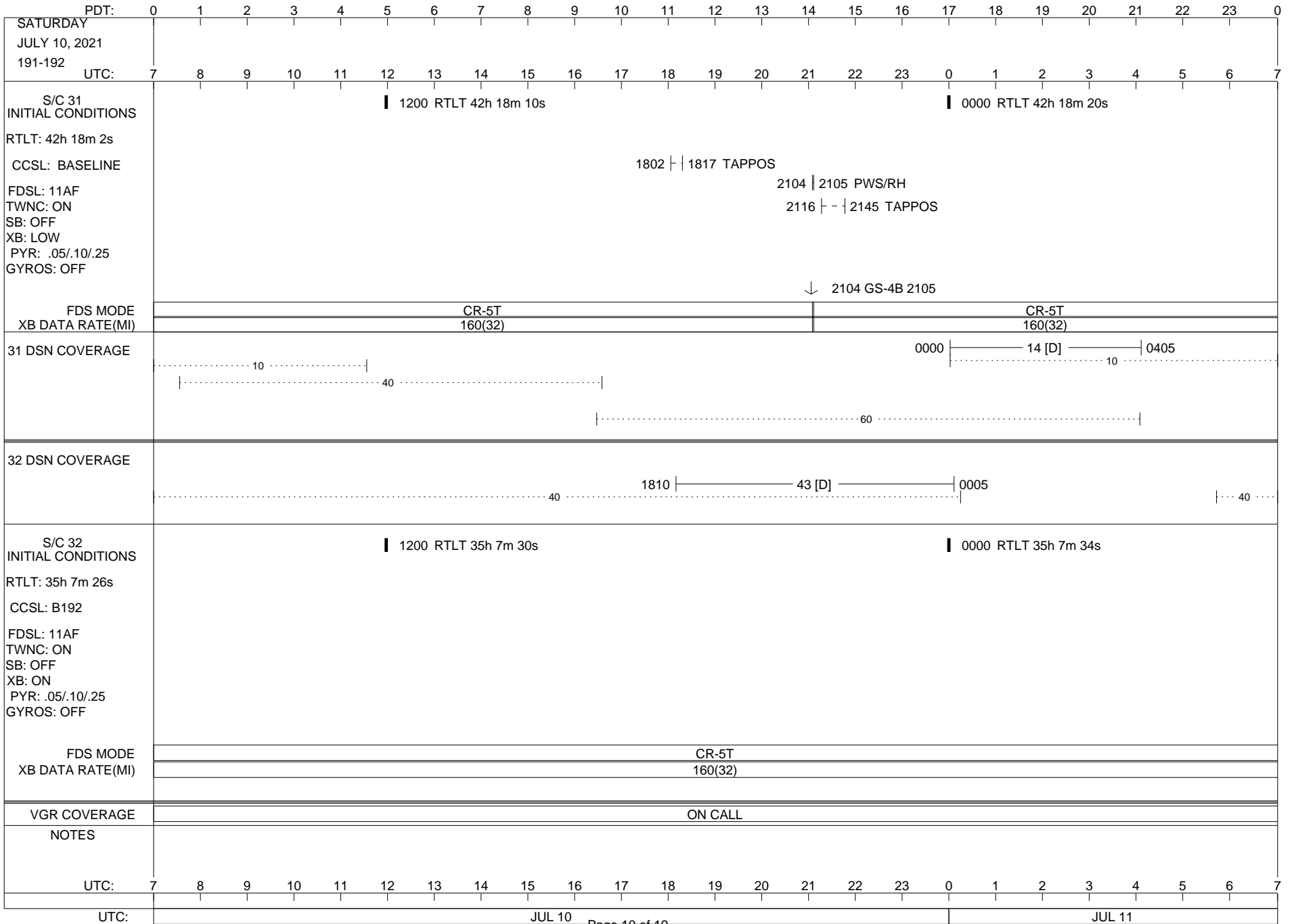
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WEDNESDAY JULY 7, 2021 188-189																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 42h 17m 12s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 42h 17m 20s												█ 0000 RTLT 42h 17m 28s												
	▼ 0315 CCS DIAG (21:32)																								
	U/L 0340 | - | TLC (SHORT-FORM) | - - - - -																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	.....10.....|										|.....14 [T].....|0525													
	|.....40.....|										|.....60.....|														
32 DSN COVERAGE	0955 |-----36 [DAR]-----|2145										0955 |-----35 [DA]-----|2145														
	|.....40.....|										|.....40.....|														
S/C 32 INITIAL CONDITIONS RTLT: 35h 7m 2s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 35h 7m 6s												█ 0000 RTLT 35h 7m 10s												
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:	JUL 07												JUL 08												

ISSUE DATE: 06/30/21 10:09

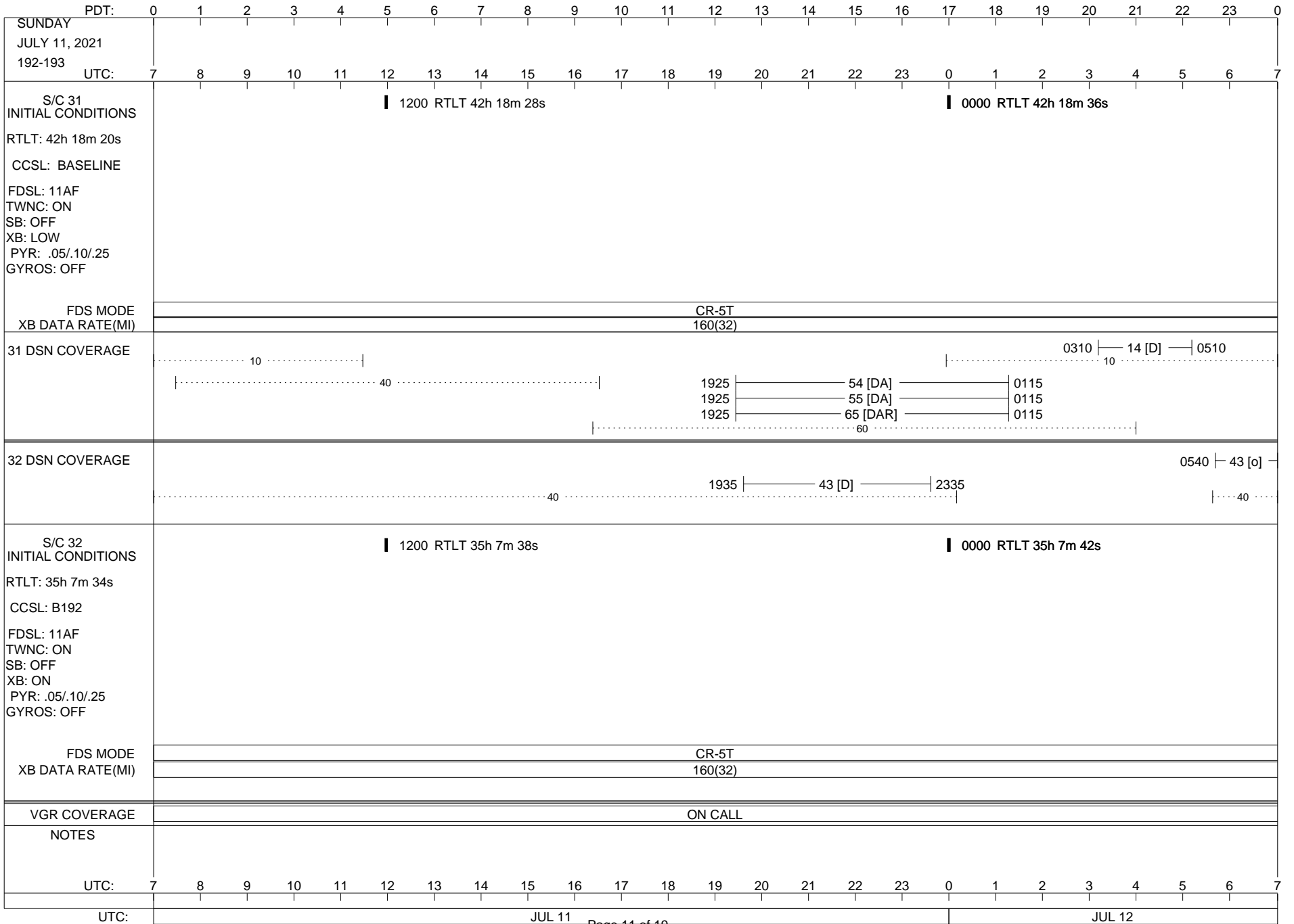


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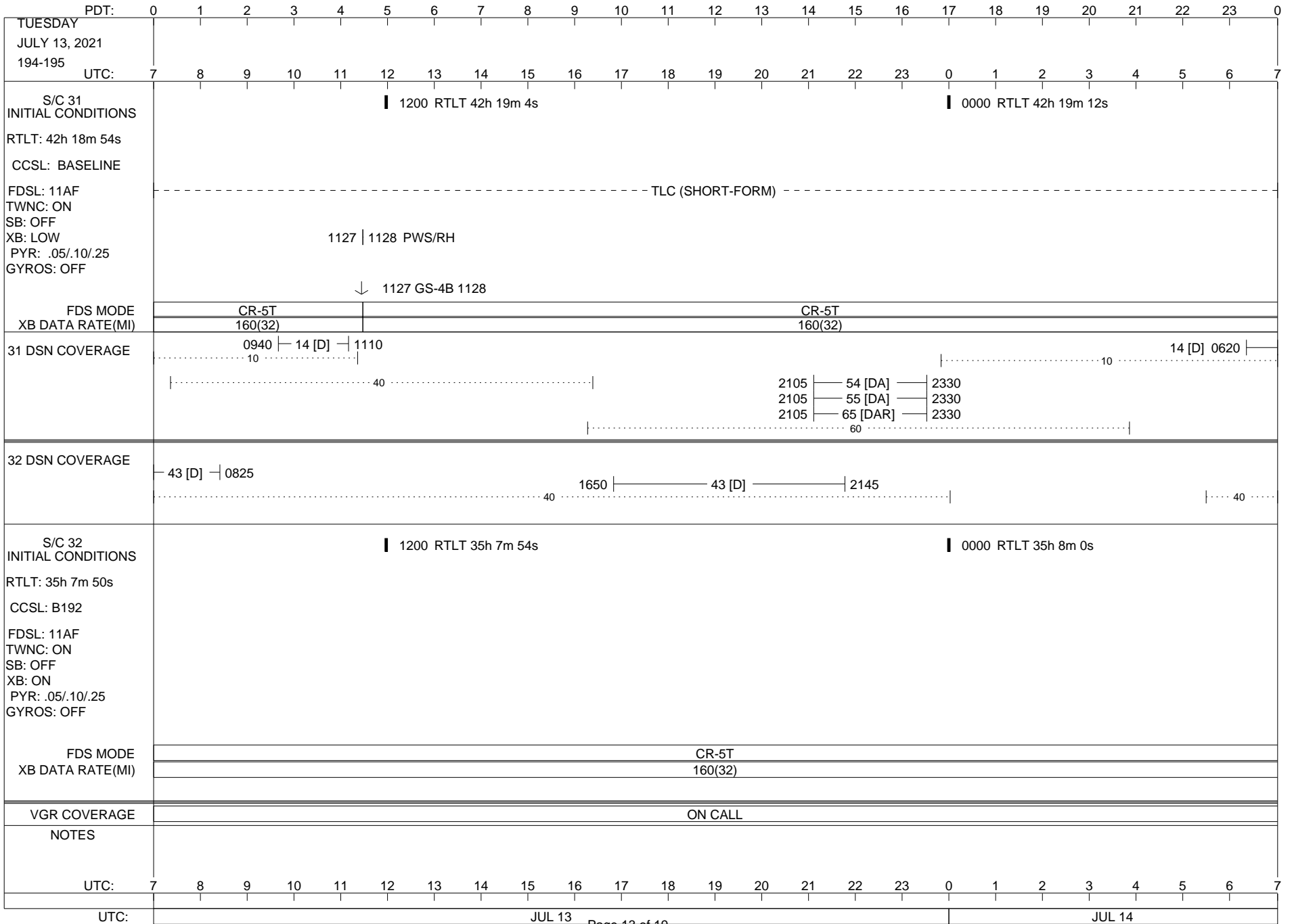
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ISSUE DATE: 06/30/21 10:09

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MONDAY JULY 12, 2021 193-194	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 18m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 42h 18m 46s												| 0000 RTLT 42h 18m 54s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												▼ 0015 CCS DIAG (18:34) U/L 0040 | - | - - - - - TLC (SHORT-FORM) - - - - -													
31 DSN COVERAGE	..... 10 .....| |..... 40 .....|												2050 |----- 54 [DAR] -----| 0050 2050 |----- 56 [DA] -----| 0050 2050 |----- 65 [DA] -----| 0050 |..... 60 2350 |----- 63 [T1] -----| 0350												
32 DSN COVERAGE	----- 43 [o] -----| 1020												2040 | 43 [D] | 2140 |..... 40 .....| 43 [D] 0630 | |..... 40 .....|													
S/C 32 INITIAL CONDITIONS RTLT: 35h 7m 42s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 35h 7m 46s												| 0000 RTLT 35h 7m 50s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
VGR COVERAGE	ON CALL												VGR		ON CALL											
NOTES	[1] DSS-63 RTS U/L DEMO 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:	JUL 12														JUL 13											

ISSUE DATE: 06/30/21 10:09



ISSUE DATE: 06/30/21 10:09

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 JULY 14, 2021 195-196	
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 19m 12s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 42h 19m 20s</p> <p>0000 RTLT 42h 19m 30s</p> <p>-----TLC (SHORT-FORM)----- + D/L -| 2027</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<p>14 [D] | 0850</p> <p>1810 | 63 [D1] | 2210</p> <p>0330 | 14 [D]</p> <p>2100 | 54 [DA] | 0130</p> <p>2100 | 55 [DA] | 0130</p> <p>2100 | 56 [DAR] | 0130</p>
32 DSN COVERAGE	<p>0750 | 43 [D] | 1150</p> <p>2035 | 43 [D] | 2220</p> <p>0525 | 43 [D]</p>
S/C 32 INITIAL CONDITIONS RTLT: 35h 8m 0s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 35h 8m 4s</p> <p>0000 RTLT 35h 8m 8s</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
VGR COVERAGE	ON CALL
NOTES	[1] DSS-63 RTS DEMO
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: JUL 14 | JUL 15	

ISSUE DATE: 06/30/21 10:09

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 JULY 15, 2021 196-197																									
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 19m 30s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 19m 38s												0000 RTLT 42h 19m 48s												
	1439 | | 1454 TAPPOS												1740 | | 1742 PWS/RH												
													1752 | - | 1821 TAPPOS												
													↓ 1740 GS-4B 1742												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] | 0930												0515 | 14												
												
	.....40												.....60											
32 DSN COVERAGE	43 [D] | 0925																								
	.....40												.....40											
S/C 32 INITIAL CONDITIONS RTLT: 35h 8m 8s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 8m 12s												0000 RTLT 35h 8m 18s												
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:	JUL 15												JUL 16												

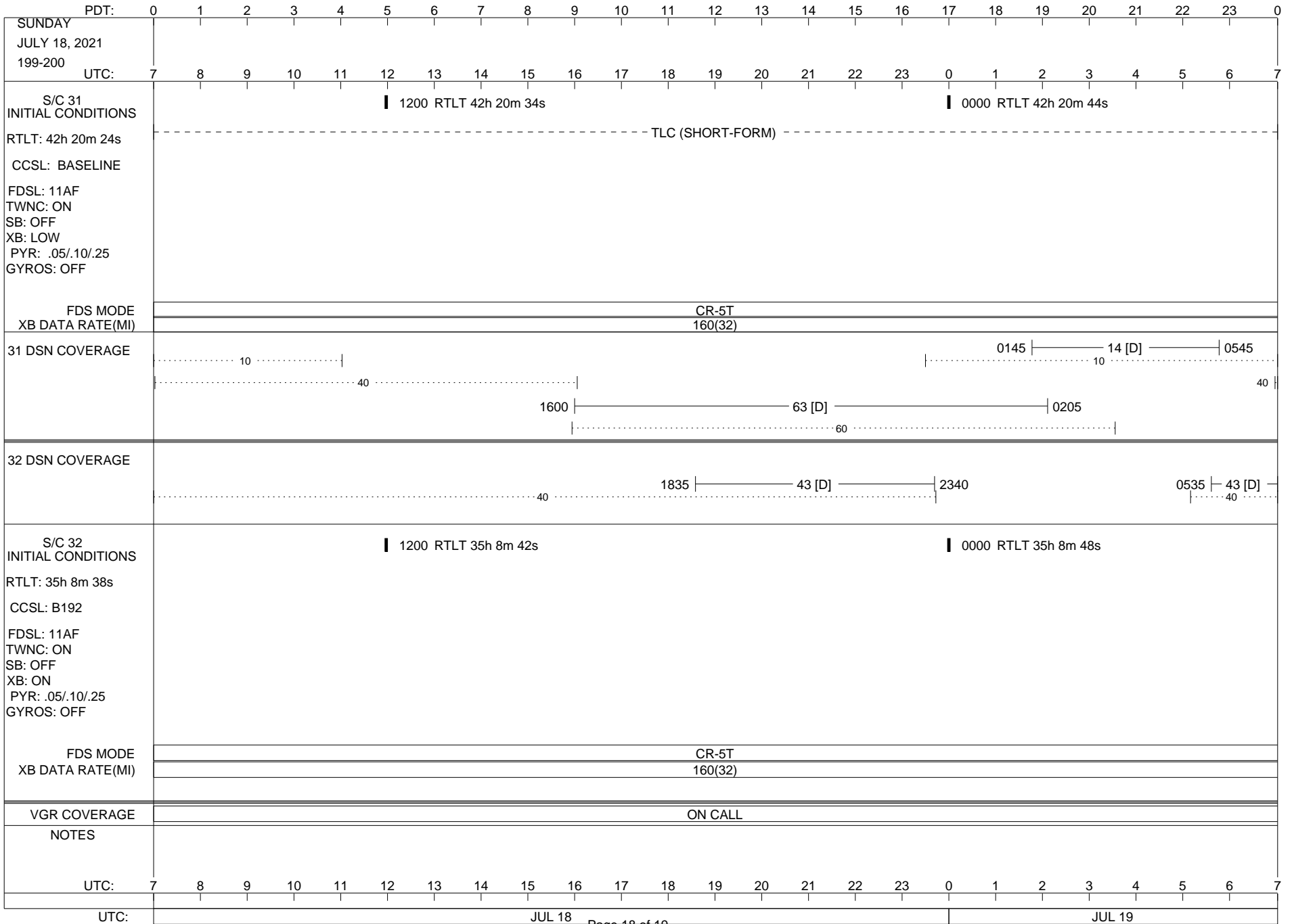
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FRIDAY JULY 16, 2021 197-198	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 42h 19m 48s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 42h 19m 58s												| 0000 RTLTL 42h 20m 6s													
▼ 0842 EL-40 (03:02) ▼ 0903 CCSL A120 (03:23) ▼ 0941 CCSTIM F/C (04:05) ▼ 1013 AHEL12 MRO, CR-5T (04:33)																										
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	14 | 1105 10 |												| 10													
	40 |												1730 | 63 [D] | 2105 60 |													
32 DSN COVERAGE	0845 | 43 [D] | 0945												1950 | 43 [D] | 2350													
	40 |												0515 | 43 [B] | 40 |													
S/C 32 INITIAL CONDITIONS RTLTL: 35h 8m 18s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 35h 8m 22s												| 0000 RTLTL 35h 8m 28s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE	VGR												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:	JUL 16												JUL 17													

ISSUE DATE: 06/30/21 10:09

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 JULY 17, 2021 198-199																													
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 20m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 42h 20m 16s														0000 RTLT 42h 20m 24s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														CR-5T 160(32)				EL-40 40(30)		CR-5T 160(32)							
31 DSN COVERAGE		.....10.....|										|.....0235-0645|-----14 [T1]-----|																	
		|.....40.....|										|.....1705|-----63 [D]-----|2305|																	
		|.....40.....|										|.....60.....|																	
32 DSN COVERAGE		-----43 [B]-----|1000										|.....2025|-----43 [D]-----|2225|																	
		|.....40.....|										|.....40.....|																	
S/C 32 INITIAL CONDITIONS RTLT: 35h 8m 28s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 35h 8m 32s														0000 RTLT 35h 8m 38s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																											
VGR COVERAGE		VGR														ON CALL				VGR				ON CALL					
NOTES		[1] A120 BACKUP U/L TRACK [2] S/C 31=EL-40 @ 0303 XB=40(30) [3] S/C 31=CR-5T @ 0438 XB=160(32)																											
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ISSUE DATE: 06/30/21 10:09



ISSUE DATE: 06/30/21 10:09

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 JULY 19, 2021 200-201	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 20m 44s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 42h 20m 52s</p> <p>TLC (SHORT-FORM) -----| D/L -| 2248</p> <p>BEGIN SEQUENCE A120 0619 ↓</p>																										
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																										
31 DSN COVERAGE	<p>..... 10 .....|</p> <p>..... 40 .....|</p>																										
32 DSN COVERAGE	<p>43 [D] -----| 0935</p> <p>..... 40 .....|</p> <p>2015 | 43 [D] -| 2140</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 35h 8m 48s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 35h 8m 52s</p>																										
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:	JUL 19														JUL 20												