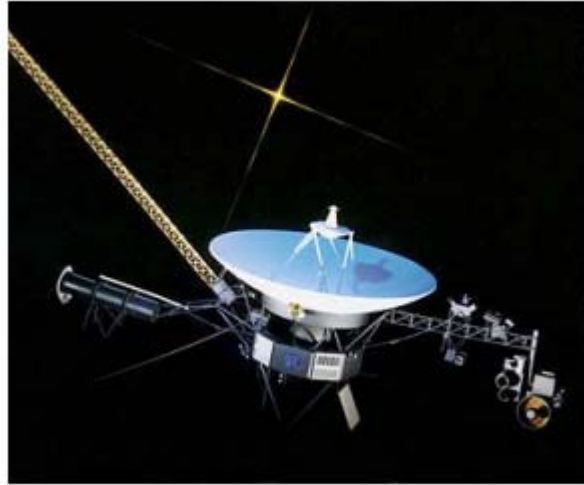


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: July 28, 2021

For the Period: 07/29/21 to 08/16/21 (21/210 – 21/228)



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

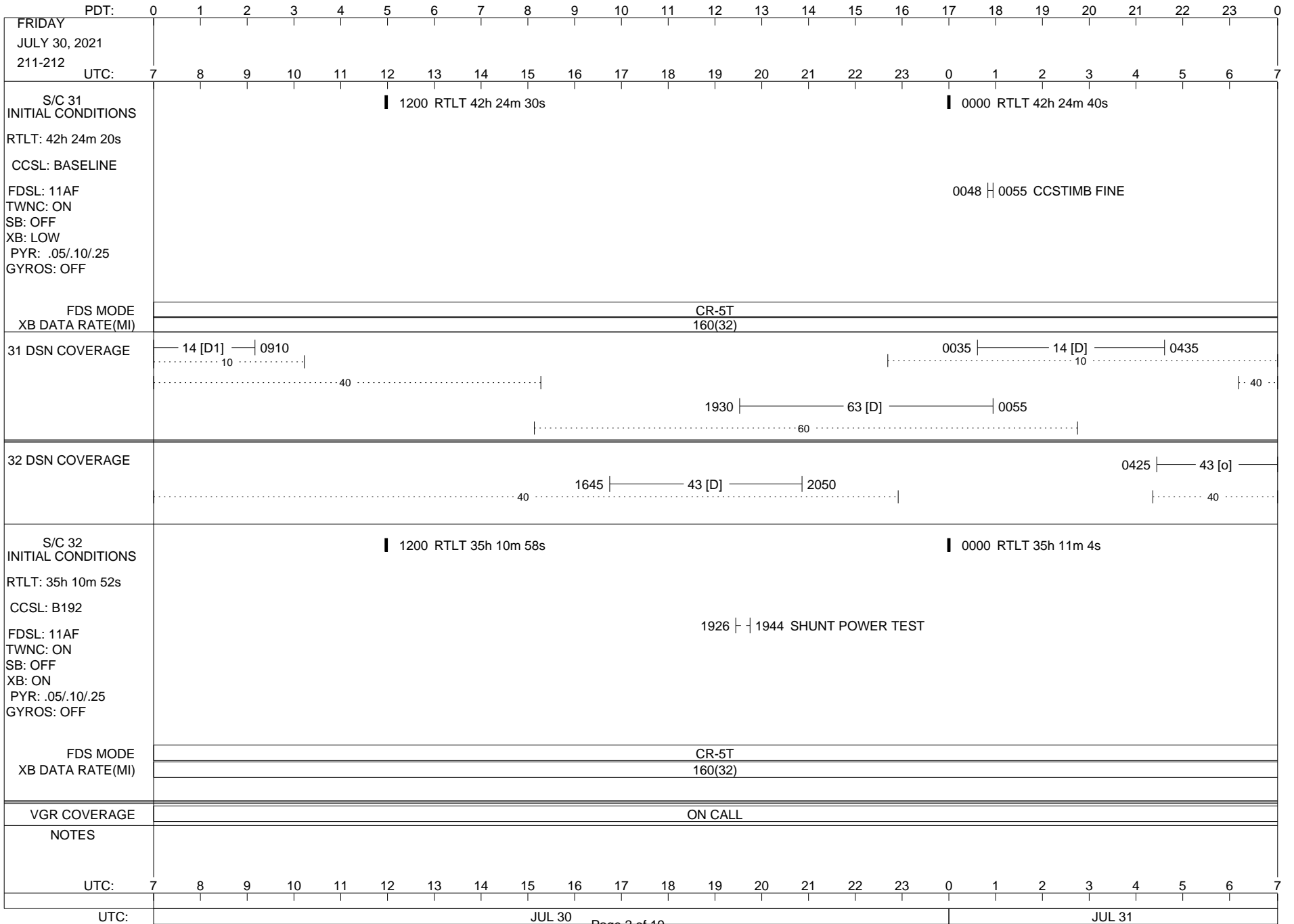
LEGEND:

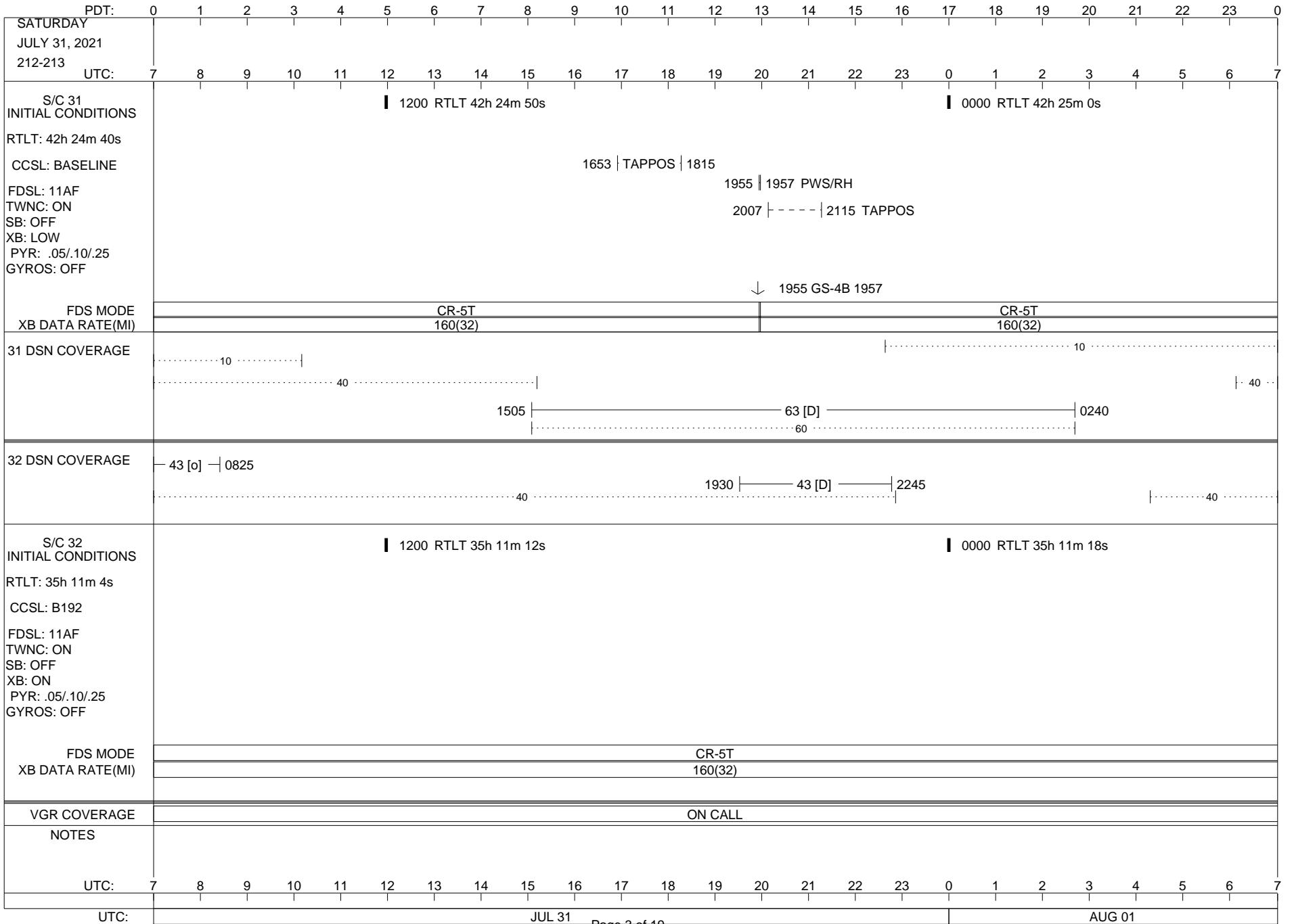
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

02/27/19

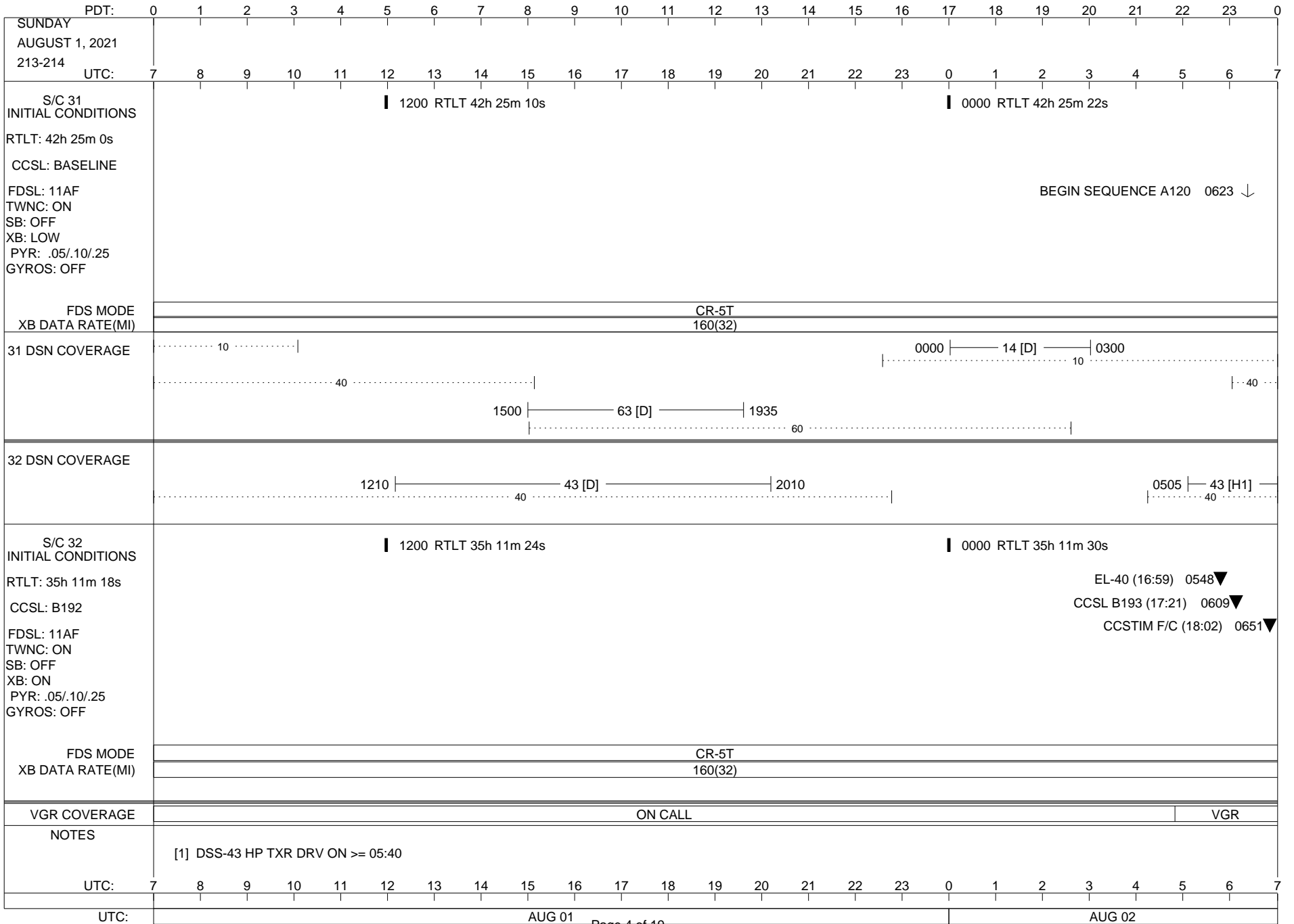
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THURSDAY JULY 29, 2021 210-211	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 42h 23m 58s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 42h 24m 8s | 0000 RTLT 42h 24m 20s</p> <p>1353 | TAPPOS | 1528</p> <p>PWS/RH 1655 | 1656</p> <p>1707 | TAPPOS | 1828 *</p> <p>1938 | 1942 A120 CHKSUM *</p> <p>2007 | 2014 CCSTIM FINE *</p> <p>2025 | 2028 COARSE *</p> <p>2036 | 2037 AHEL12 SID MRO *</p> <p>1655 GS-4B 1656 ↓ EL-40 1904 ↓ 2039 CR-5T ↓</p>																									
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	<p>..... 10 ..... | 0455 | 14 [D1] |</p> <p>..... 40 ..... | ..... 10 ..... | 40 ..</p> <p>1520 | ..... 63 [D] ..... | 0245</p> <p>..... 60 ..... |</p>																									
32 DSN COVERAGE	<p>1045 | ..... 43 [D] ..... | 2045</p> <p>..... 40 ..... | ..... 40 ..</p>																									
S/C 32 INITIAL CONDITIONS RTLT: 35h 10m 40s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 35h 10m 46s | 0000 RTLT 35h 10m 52s</p> <p>1314 | PLSCAL - | 1455</p> <p>1314 | --- MAGCAL --- | 1617</p> <p>1314 | --- PESCAL --- | 1634</p>																									
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
VGR COVERAGE	ON CALL													VGR			ON CALL									
NOTES	<p>[1] S/C 31=EL-40 @ 1904 XB=40(30)</p> <p>[2] S/C 31=CR-5T @ 2039 XB=160(32)</p> <p>[3] A120 BACKUP U/L TRACK</p>																									
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 29													JUL 30												



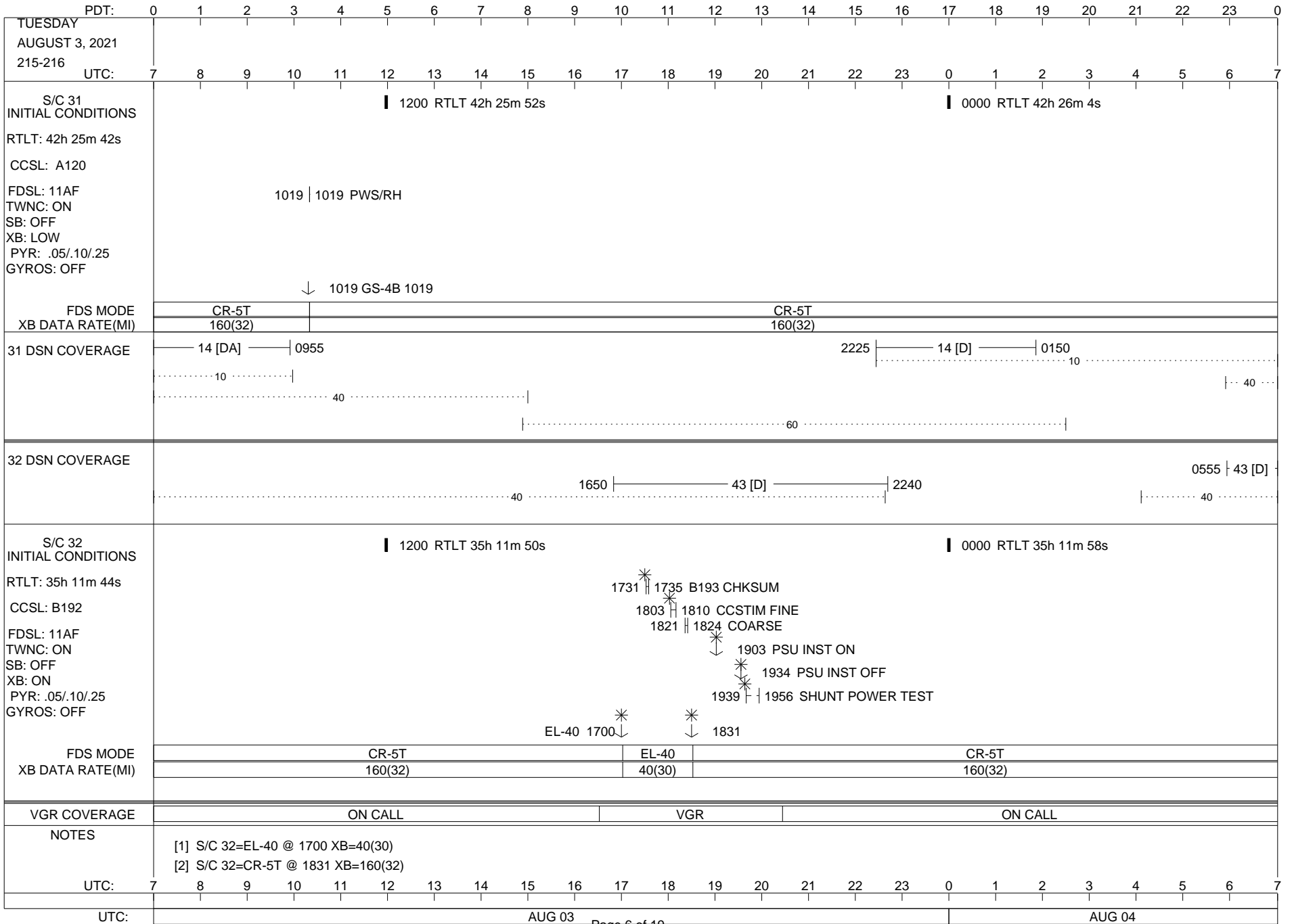


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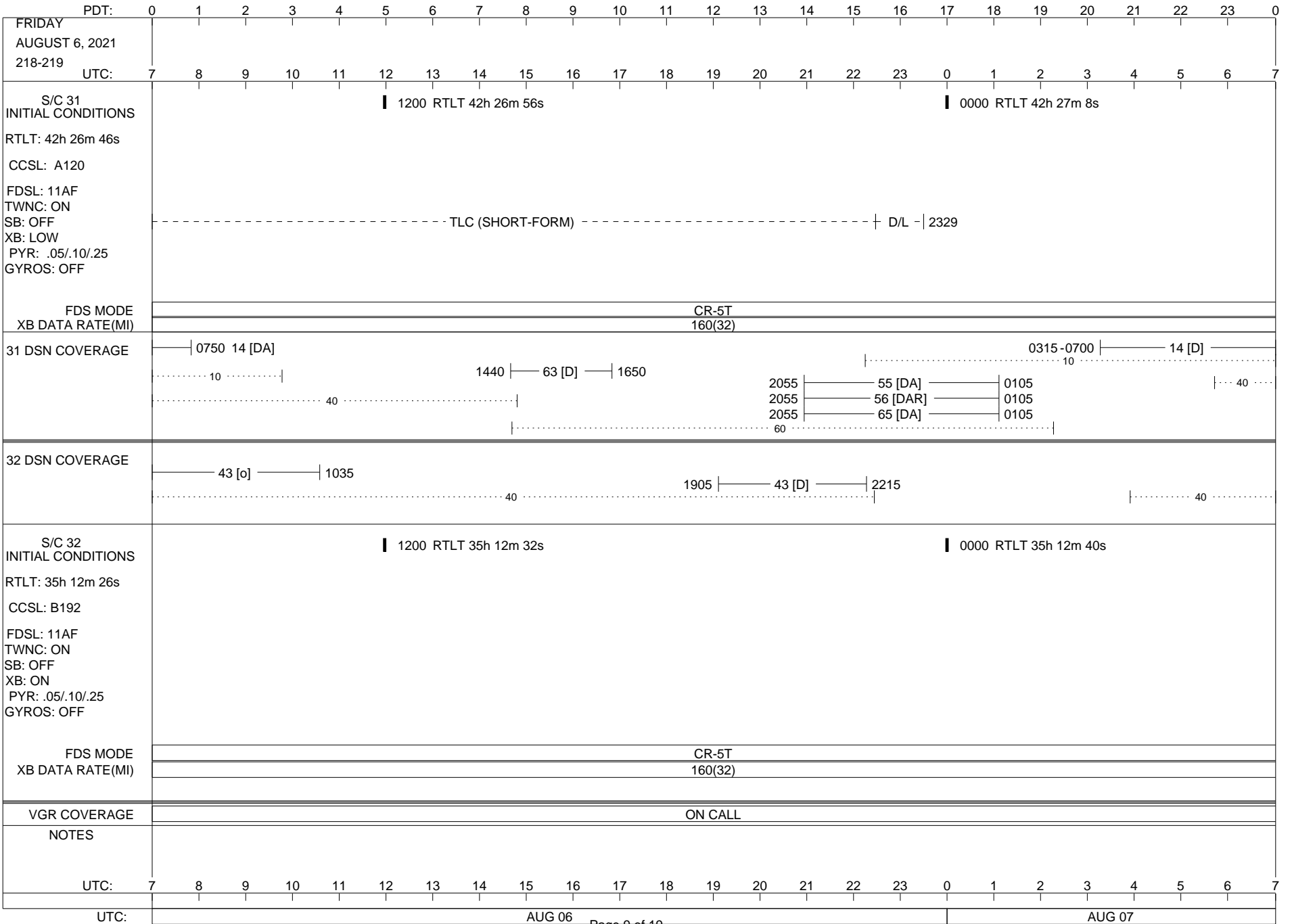
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MONDAY AUGUST 2, 2021 214-215	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 42h 25m 22s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 25m 32s												0000 RTLT 42h 25m 42s												
FDS MODE	CR-5T												EL-40		CR-5T										
XB DATA RATE(MI)	160(32)												40(30)		160(32)										
31 DSN COVERAGE	..... 10												0230 |----- 14 [DA] -----		0230 |----- 26 [DAR] -----		0530		..... 40					
32 DSN COVERAGE	----- 43 [H1] ----- | 0940				..... 40				1920 |----- 43 [D] ----- | 2140				..... 40											
S/C 32 INITIAL CONDITIONS RTLT: 35h 11m 30s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 11m 38s												0000 RTLT 35h 11m 44s												
▼ 0719 CR-5T (18:31) ▼ 0750 PSU INST ON (19:02) ▼ 0822 PSU INST OFF (19:34) ▼ 0827 SHUNT POWER TEST (19:38)																									
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	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 02												AUG 03												



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							
THURSDAY AUGUST 5, 2021 217-218																																
S/C 31 INITIAL CONDITIONS RTLT: 42h 26m 24s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 26m 36s 1330 | TAPPOS | 1452 1632 | 1633 PWS/RH 1644 | - - - - | 1752 TAPPOS												0000 RTLT 42h 26m 46s BAY 1 HTR OFF 0316 ↓ GYROS BC ON 0316 ↓ GYRO INIT 0316 ↓ GYRO FAULT TEST 0326 ↓ AAI 0346 ↓ MAGROL 0349 | - - | 0421 RAI 0429 ↓ GYROS OFF 0435 ↓ BAY 1 HTR ON 0443 ↓ 0319 EL-40 0321 ↓																			
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)						CR-5T 160(32)													
31 DSN COVERAGE 10 40										0245 |-----| 14 [DA] 0245 |-----| 25 [DAR] |-----| 0500 10 40			
32 DSN COVERAGE	..... 40										2100 |-----| 43 [D] |-----| 2230 40										43 [o] 0650 |-----| ..... 40										
S/C 32 INITIAL CONDITIONS RTLT: 35h 12m 12s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 12m 18s												0000 RTLT 35h 12m 26s																			
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 05														AUG 06																	

ISSUE DATE: 08/01/21 13:06

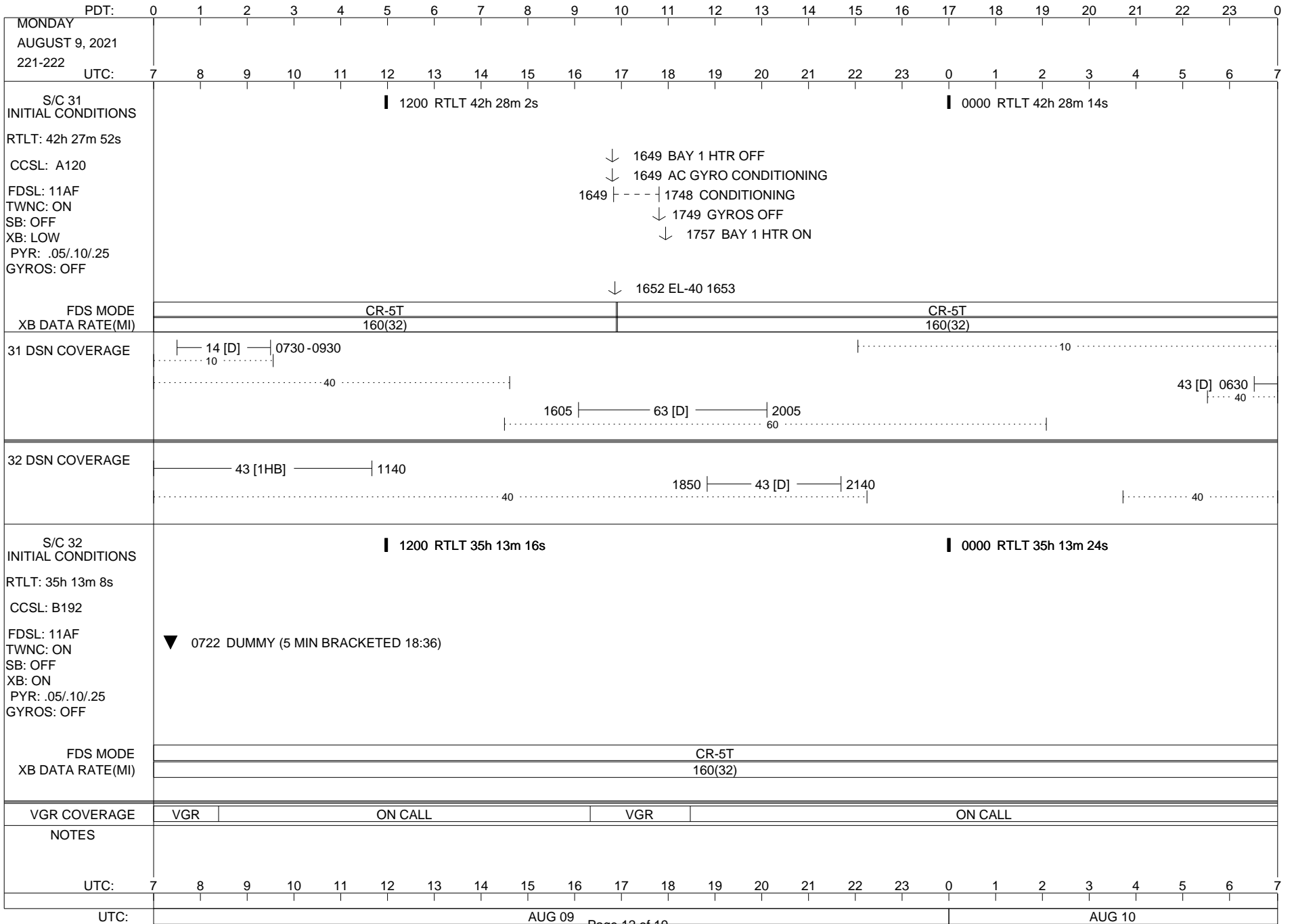


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SATURDAY AUGUST 7, 2021 219-220	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 42h 27m 8s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 27m 18s												0000 RTLT 42h 27m 30s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	0700 14 [D] 10 .....												..... 10											
	..... 40 .....												..... 40											
	1720 |----- 63 [D] -----| 2205												..... 60											
32 DSN COVERAGE	1255 |----- 40 .....												..... 40											
	..... 43 [D] -----| 2220												43 [D] 0605 |----- 40											
S/C 32 INITIAL CONDITIONS RTLTL: 35h 12m 40s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 12m 46s												0000 RTLT 35h 12m 54s												
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 07												AUG 08												

ISSUE DATE: 08/01/21 13:06

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 8, 2021 220-221	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 27m 30s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 42h 27m 40s												| 0000 RTLT 42h 27m 52s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	..... 10 .....												|..... 10											
	..... 40 .....												|..... 40											
	|..... 1705 |..... 63 [D] |..... 0205												|..... 60											
32 DSN COVERAGE	|..... 43 [D] |..... 1255												|..... 43 [1HB] 0640 |.....												
	..... 40 .....												|..... 40											
S/C 32 INITIAL CONDITIONS RTLT: 35h 12m 54s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 35h 13m 2s												| 0000 RTLT 35h 13m 8s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL																							VGR	
NOTES	[1] B193 BACKUP U/L TRACK HP DRV ON >= 05:12																								
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 08												AUG 09												

ISSUE DATE: 08/01/21 13:06

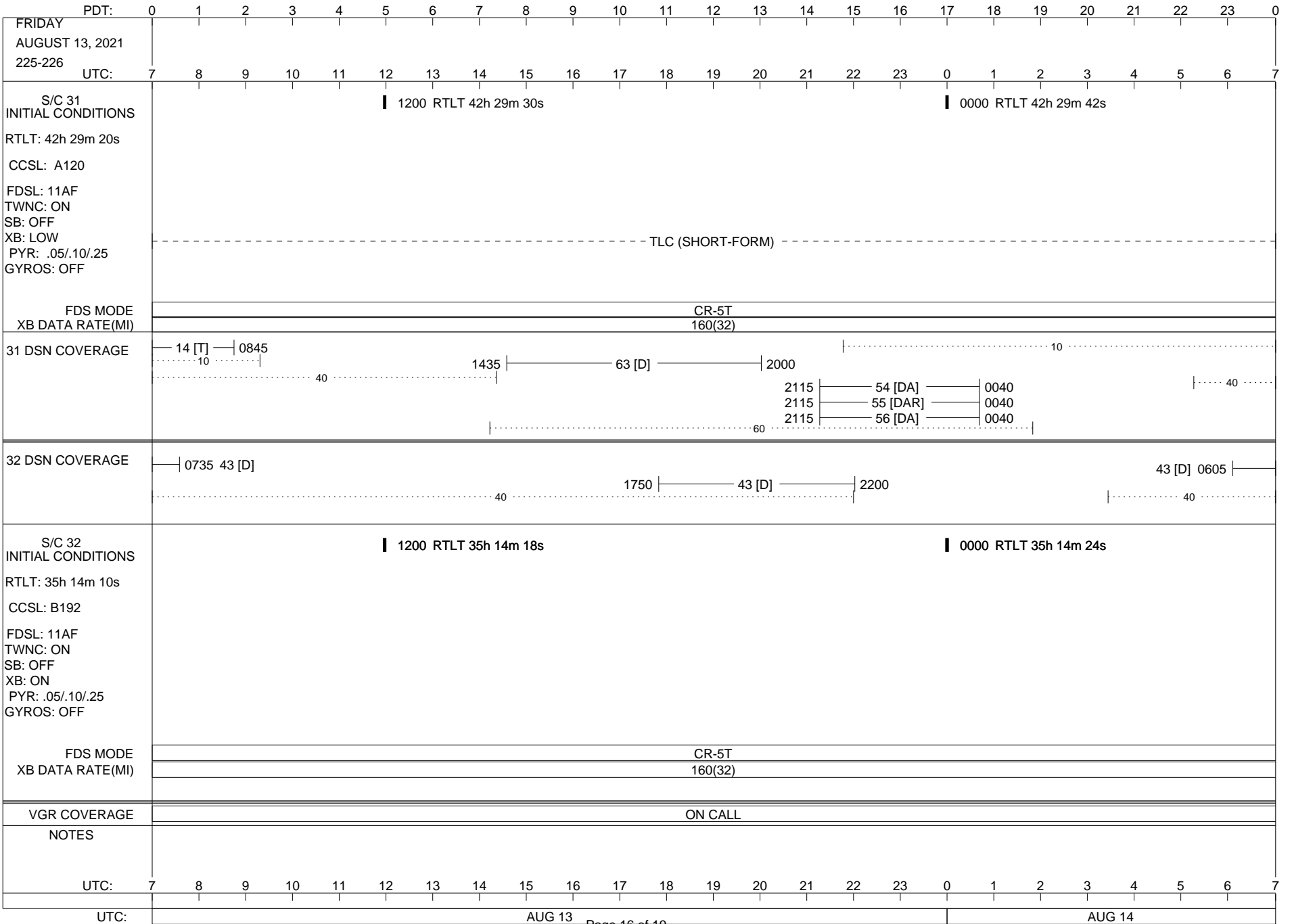


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TUESDAY AUGUST 10, 2021 222-223																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 42h 28m 14s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 42h 28m 24s</p> <p>0956 | 0957 PWS/RH</p> <p>↓ 0956 GS-4B 0957</p>												<p>0000 RTLT 42h 28m 36s</p> <p>STOP CONTINUOUS AHELI2 PWSRECS 0308 ↓</p> <p>2 CCS MRO'S 0345 | 0346</p> <p>0458 | - TAPPOS - -</p>													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	<p>..... 10 ..... |</p> <p>----- 43 [D] ----- | 1030</p> <p>40</p> <p>..... 60</p>												<p>0245 |----- 14 [D] -----</p> <p>10</p> <p>..... 40</p>													
32 DSN COVERAGE	<p>..... 40</p> <p>1810 |----- 43 [D] ----- | 2210</p> <p>..... 40</p>																									
S/C 32 INITIAL CONDITIONS RTLT: 35h 13m 24s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 35h 13m 32s</p>												<p>0000 RTLT 35h 13m 38s</p>													
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:	AUG 10												AUG 11													

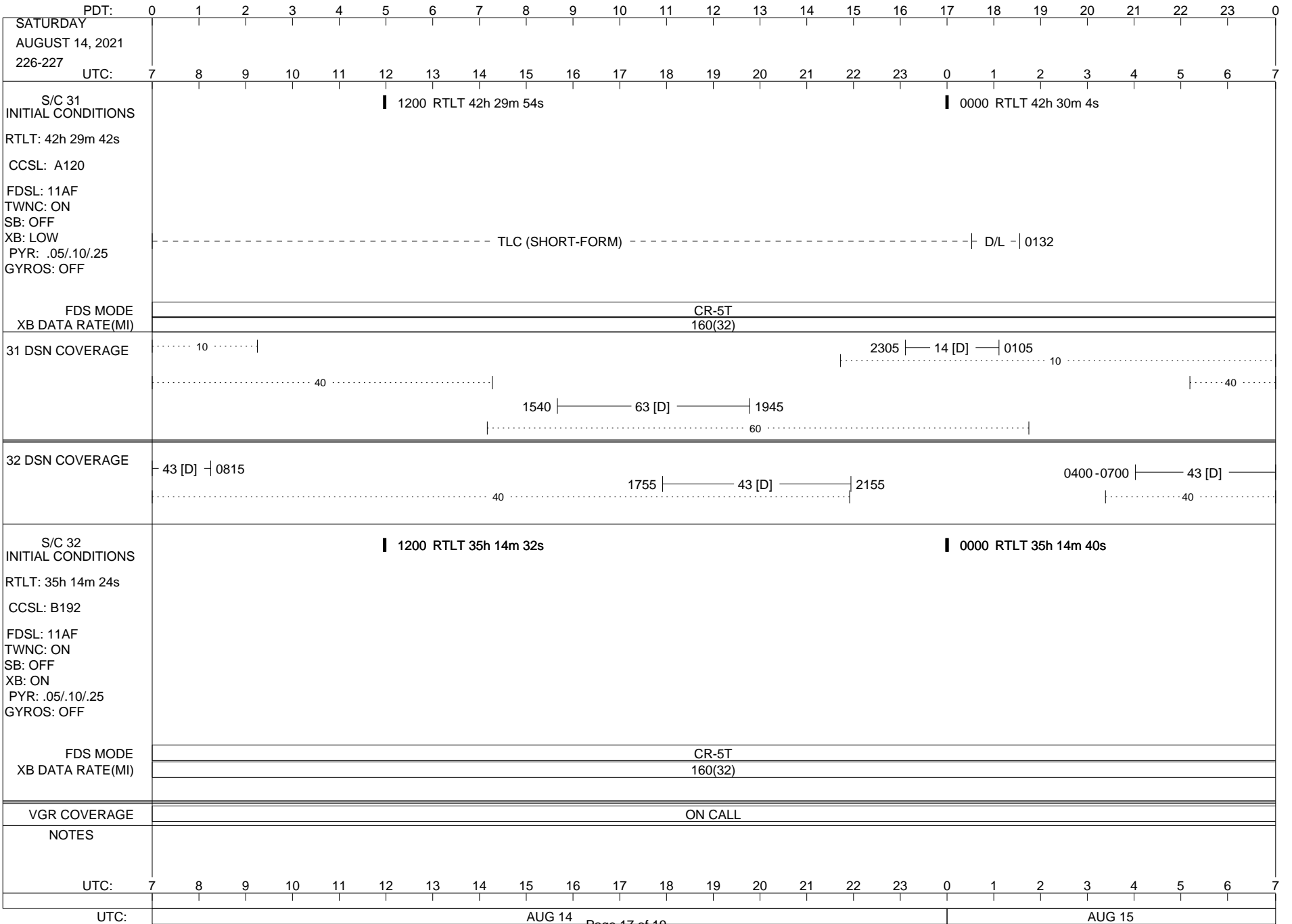
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WEDNESDAY																													
AUGUST 11, 2021																													
223-224																													
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS		| 1200 RTLT 42h 28m 46s														| 0000 RTLT 42h 28m 58s													
RTLT: 42h 28m 36s																↓ 2331 BAY 1 HTR OFF ↓ 2333 YAW=.05 ↓ 2335 X/B HI POWER													
CCSL: A120																2343 |----- AHELI2 PLAYBACK -----													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF		| 0717 TAPPOS																											
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE		CR-5T														PB-14													
XB DATA RATE(MI)		160(32)														1.4K(39)													
31 DSN COVERAGE		14 [D] | 0925														2325 | 14 [DA]													
		..... 10														2325 | 24 [DA]													
		..... 40														2325 | 25 [DA]													
																2325 | 26 [DAR]													
																..... 10													
																..... 40													
																..... 60													
																..... 40													
32 DSN COVERAGE		| 43 [D] | 0720-0840														0435 | 43 [o]													
		..... 40														1805 | 43 [D] | 2205													
																..... 40													
S/C 32 INITIAL CONDITIONS		| 1200 RTLT 35h 13m 46s														| 0000 RTLT 35h 13m 54s													
RTLT: 35h 13m 38s																													
CCSL: B192																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: ON																													
PYR: .05/.10/.25																													
GYROS: OFF																													
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:		AUG 11														AUG 12													

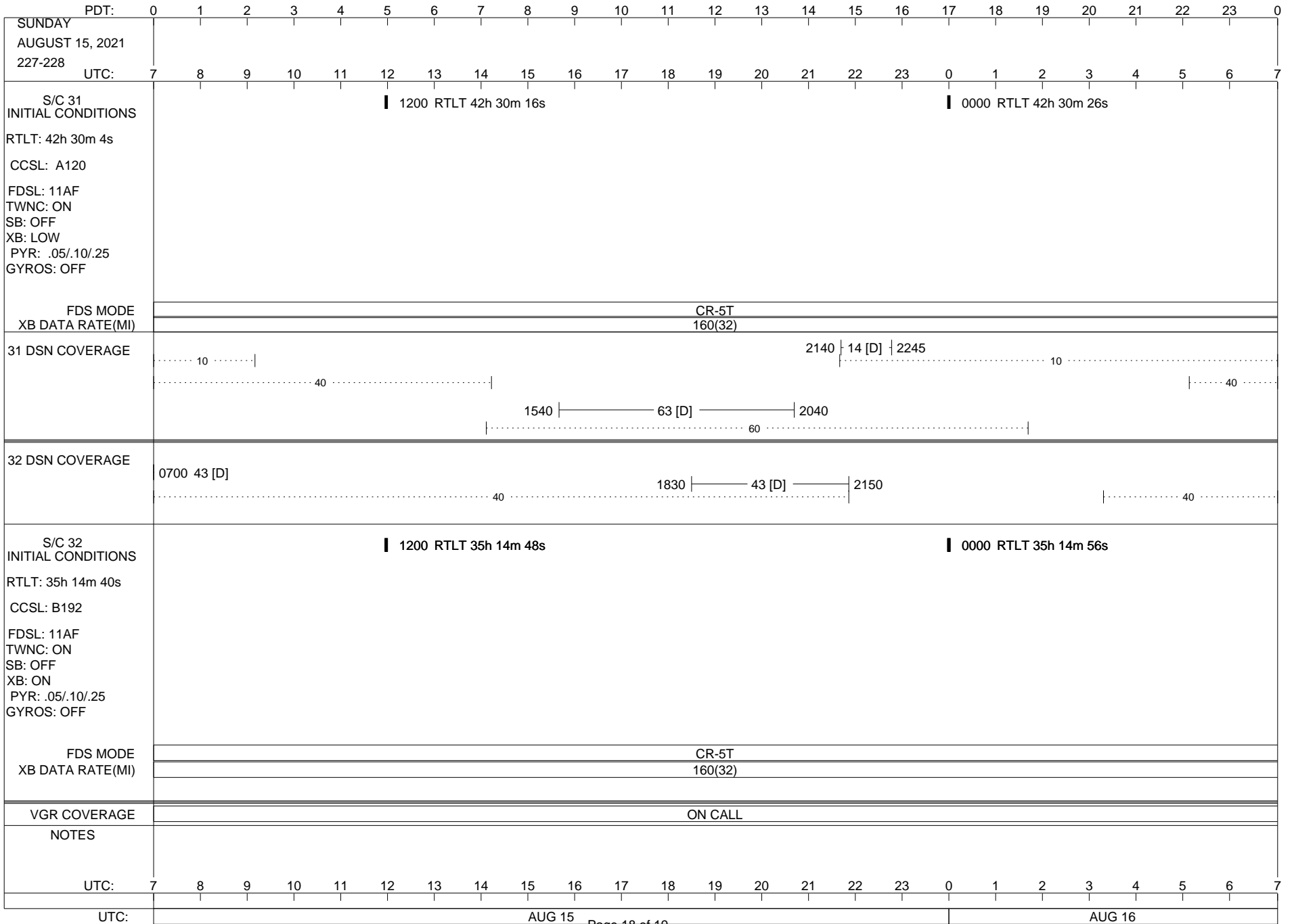
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ISSUE DATE: 08/01/21 13:06

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MONDAY AUGUST 16, 2021 228-229																									
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 30m 26s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 42h 30m 38s</p> <p>1809 REMOVE ECR 204313 & ENABLE AHeli2 RECORDINGS</p> <p>1846 || 1849 4 CCS MRO'S</p>																								
FDS MODE												CR-5T													
XB DATA RATE(MI)												160(32)													
31 DSN COVERAGE	<p>..... 10 .....|</p> <p>..... 40 .....|</p> <p>1725 |----- 63 [D] -----| 2125</p>																								
32 DSN COVERAGE	<p>0820 |----- 43 [D] -----| 1240</p> <p>..... 40 .....|</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 35h 14m 56s CCSL: B192 FDSL: 11AF TWNC: ON SB: OFF XB: ON PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 35h 15m 4s</p>											<p>0000 RTLT 35h 15m 12s</p>													
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:	AUG 16														AUG 17										