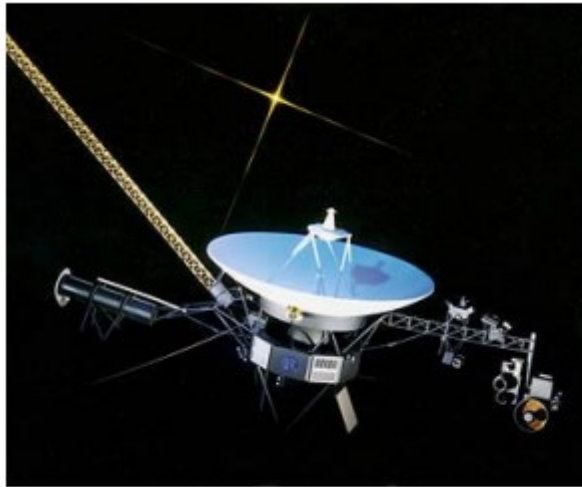


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: July 24, 2019

For the Period: 07/25/19 to 08/12/19 (19/207 – 19/224)



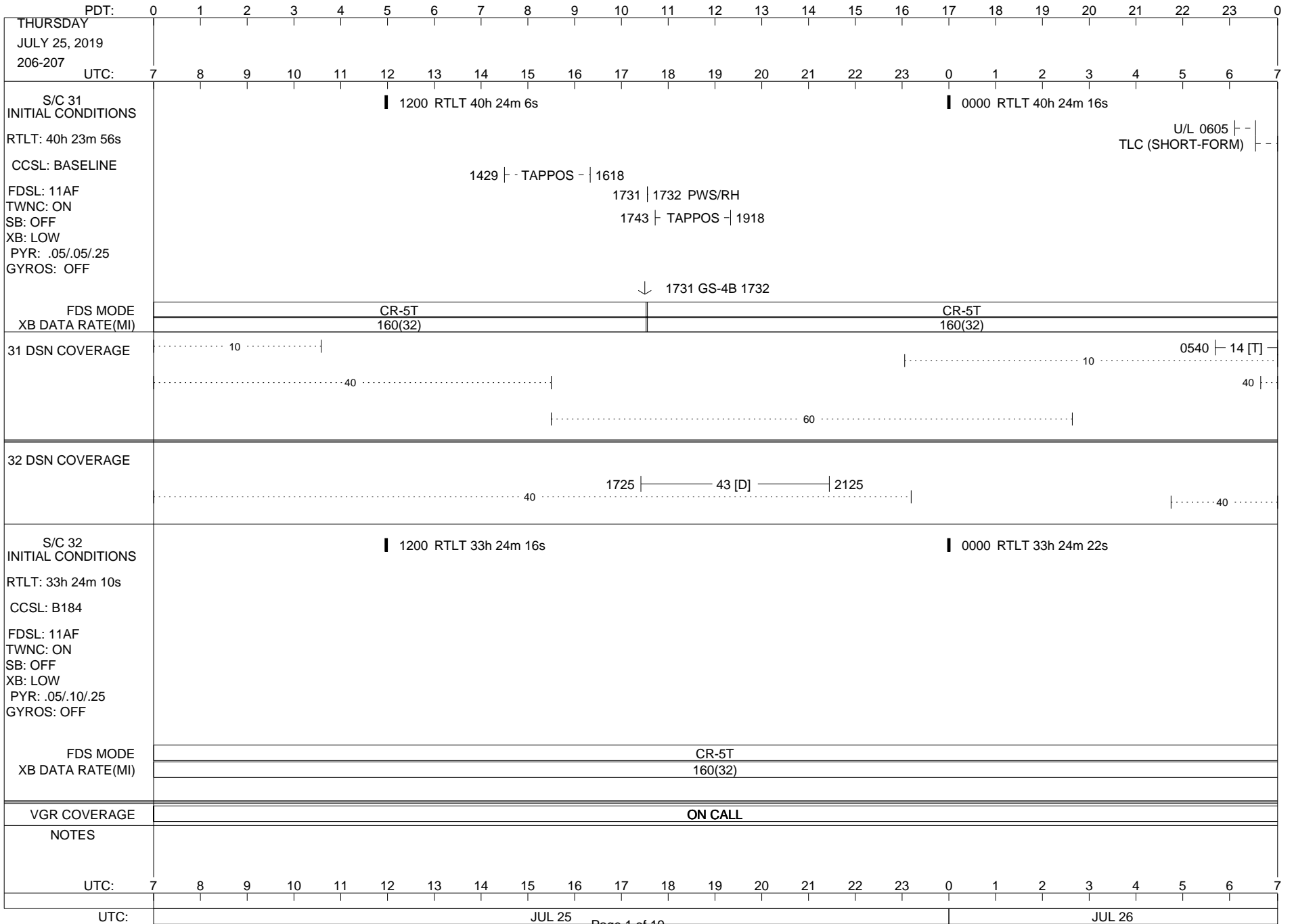
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

LEGEND:

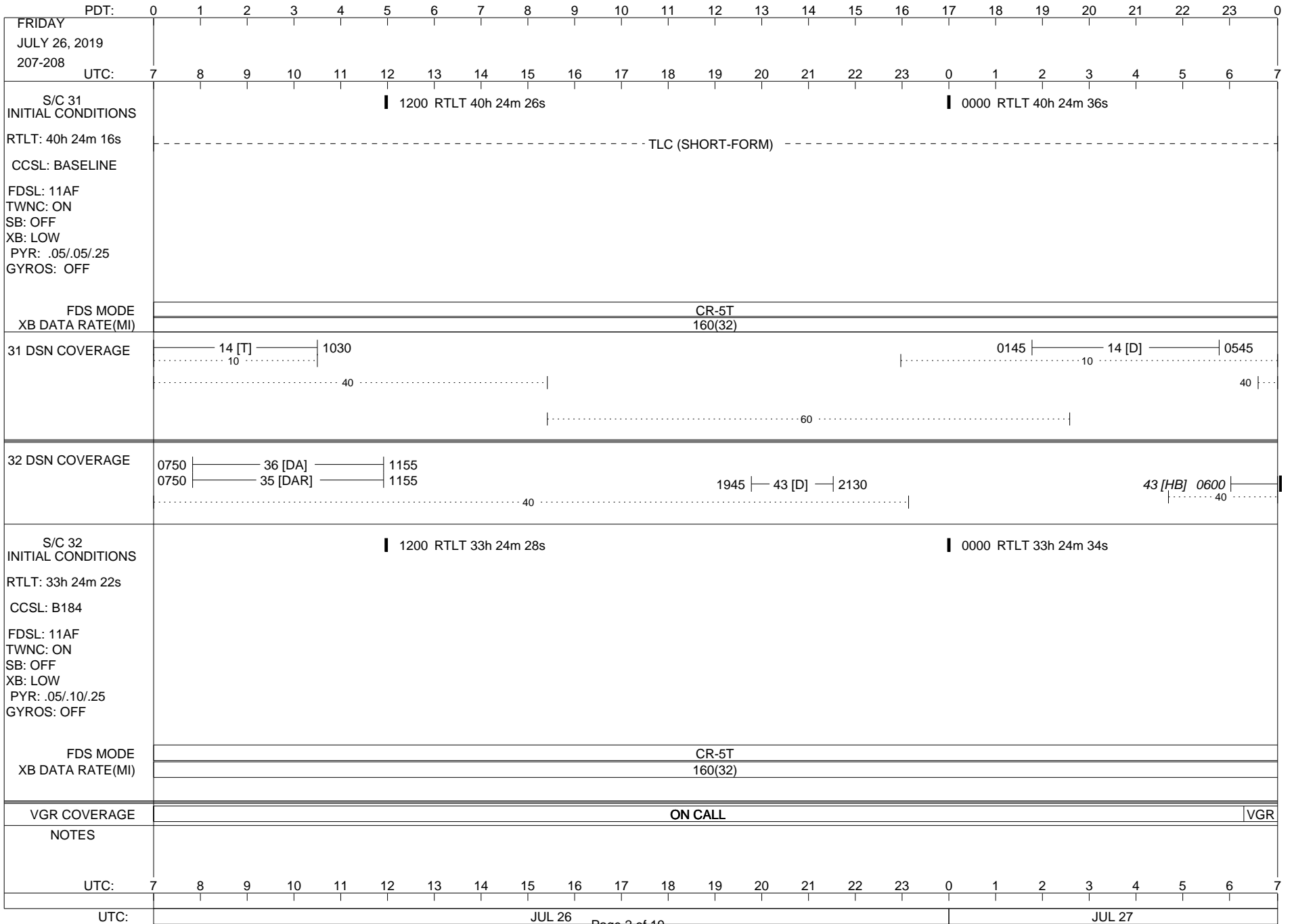
- ∇ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

02/27/19

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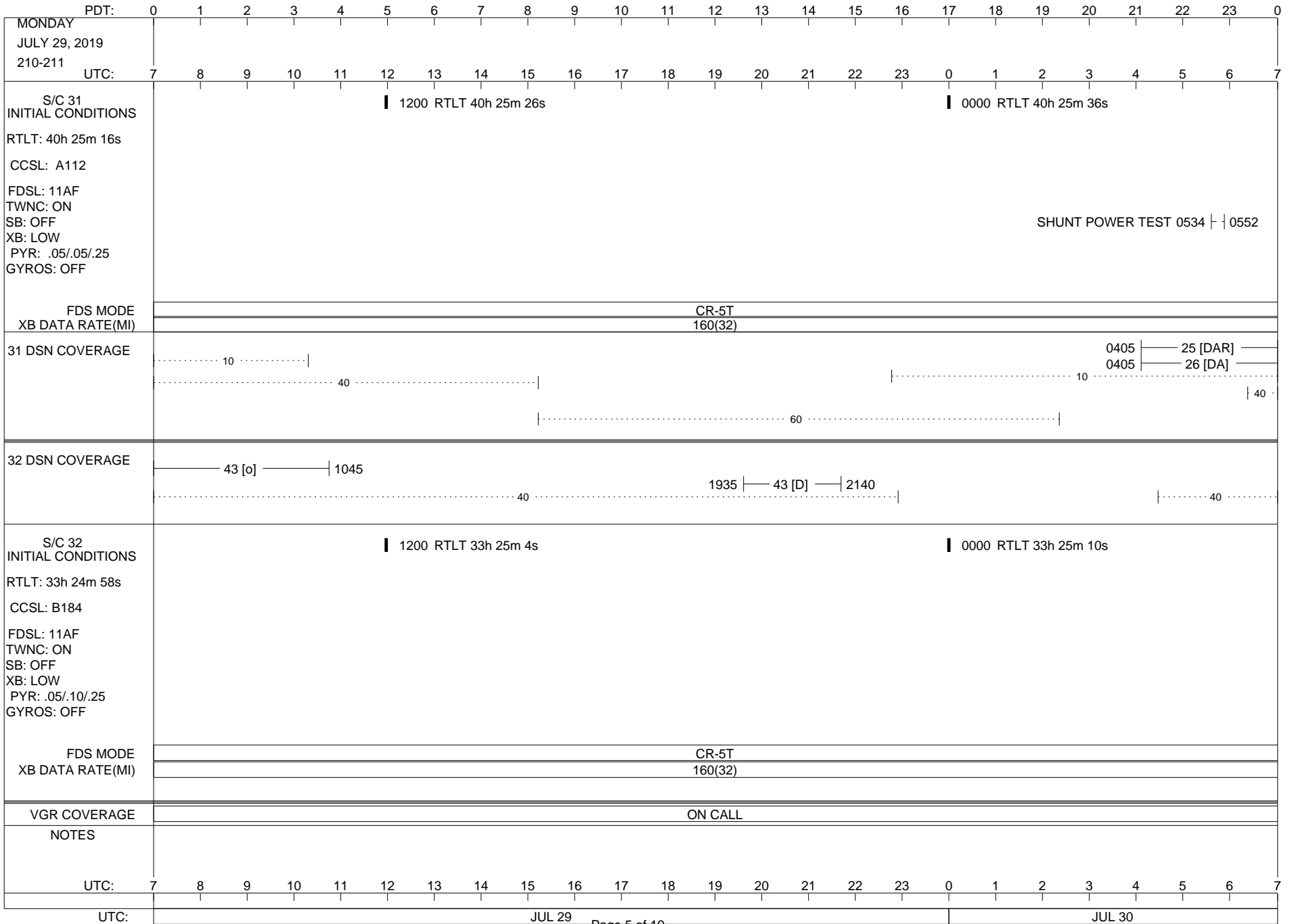


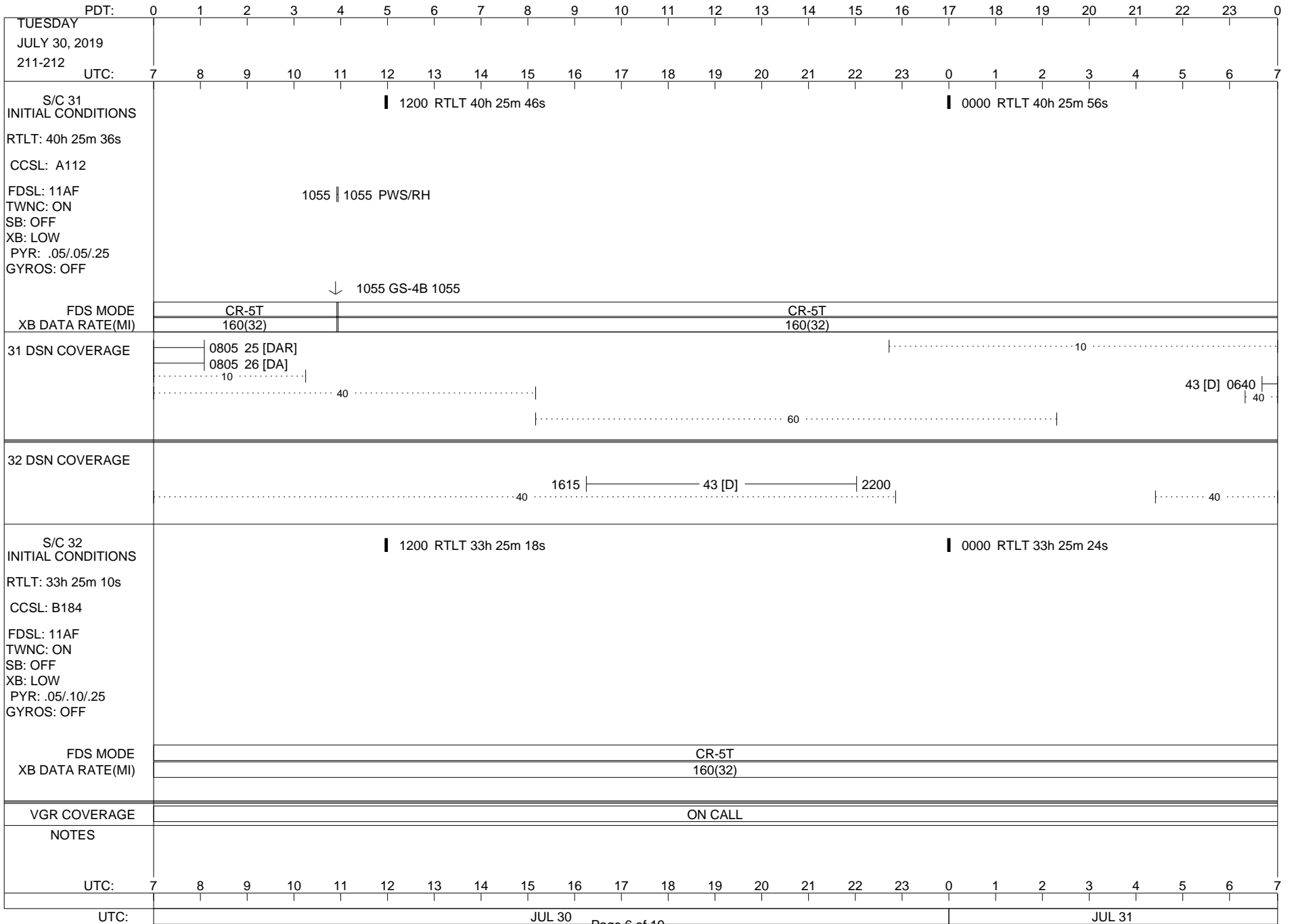
ISSUE DATE: 07/25/19 12:26

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SATURDAY JULY 27, 2019 208-209																												
S/C 31 INITIAL CONDITIONS RTLT: 40h 24m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.05/.25 GYROS: OFF	1200 RTLT 40h 24m 46s												0000 RTLT 40h 24m 56s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE	<p>..... 10 ..... | ..... 14 [D] 0620 |</p> <p>..... 40 ..... | ..... 40 ..... |</p> <p>2230 | 65 [DAR] | 0035</p> <p>2230 | 54 [DA] | 0035</p> <p>..... 60 ..... |</p>																											
32 DSN COVERAGE	<p>43 [HB] | 1000</p> <p>..... 40 ..... | ..... 40 ..... |</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 33h 24m 34s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 24m 40s												0000 RTLT 33h 24m 46s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
VGR COVERAGE	VGR | ON CALL | VGR																											
NOTES	<p>▼ 0717 DUMMY (5 MIN BRACKETED 16:42)</p> <p>▼ 0811 SHUNT POWER TEST (17:36)</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 27														JUL 28													

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 JULY 28, 2019 209-210	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 24m 56s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.05/.25 GYROS: OFF	1200 RTLT 40h 25m 6s												0000 RTLT 40h 25m 16s													
↓ 0734 SS HTR A OFF ↓ 0735 SS HTR B ON													BAY 1 HTR OFF 0247 ↓ AC GYROS ON 0247 ↓ CONDITIONING 0247 |----| 0347 GYROS OFF 0347 ↓ BAY 1 HTR ON 0356 ↓													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	14 [D] |-----| 1020 .....10.....|												0145 |-----| 14 [D] |-----| 0545 .....10.....|													
	.....40.....|												.....40.....|													
	|-----60-----|																									
32 DSN COVERAGE	1630 |-----| 43 [D] |-----| 2225 .....40.....|												43 [o] 0645 |-----| .....40.....|													
S/C 32 INITIAL CONDITIONS RTLT: 33h 24m 46s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 24m 52s												0000 RTLT 33h 24m 58s													
													* 1737 | | 1752 SHUNT POWER TEST													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
VGR COVERAGE	VGR	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	
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ISSUE DATE: 07/25/19 12:26

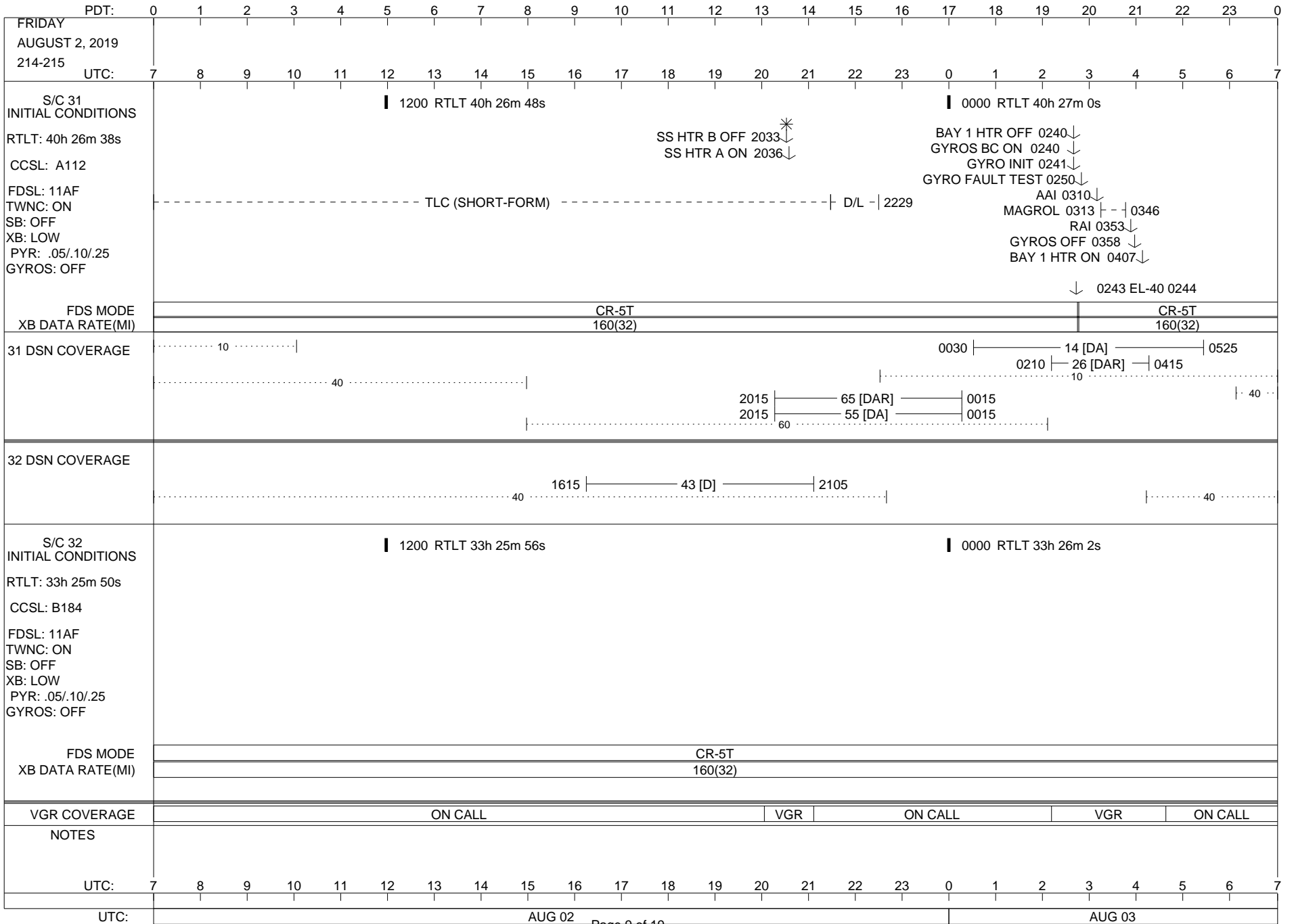


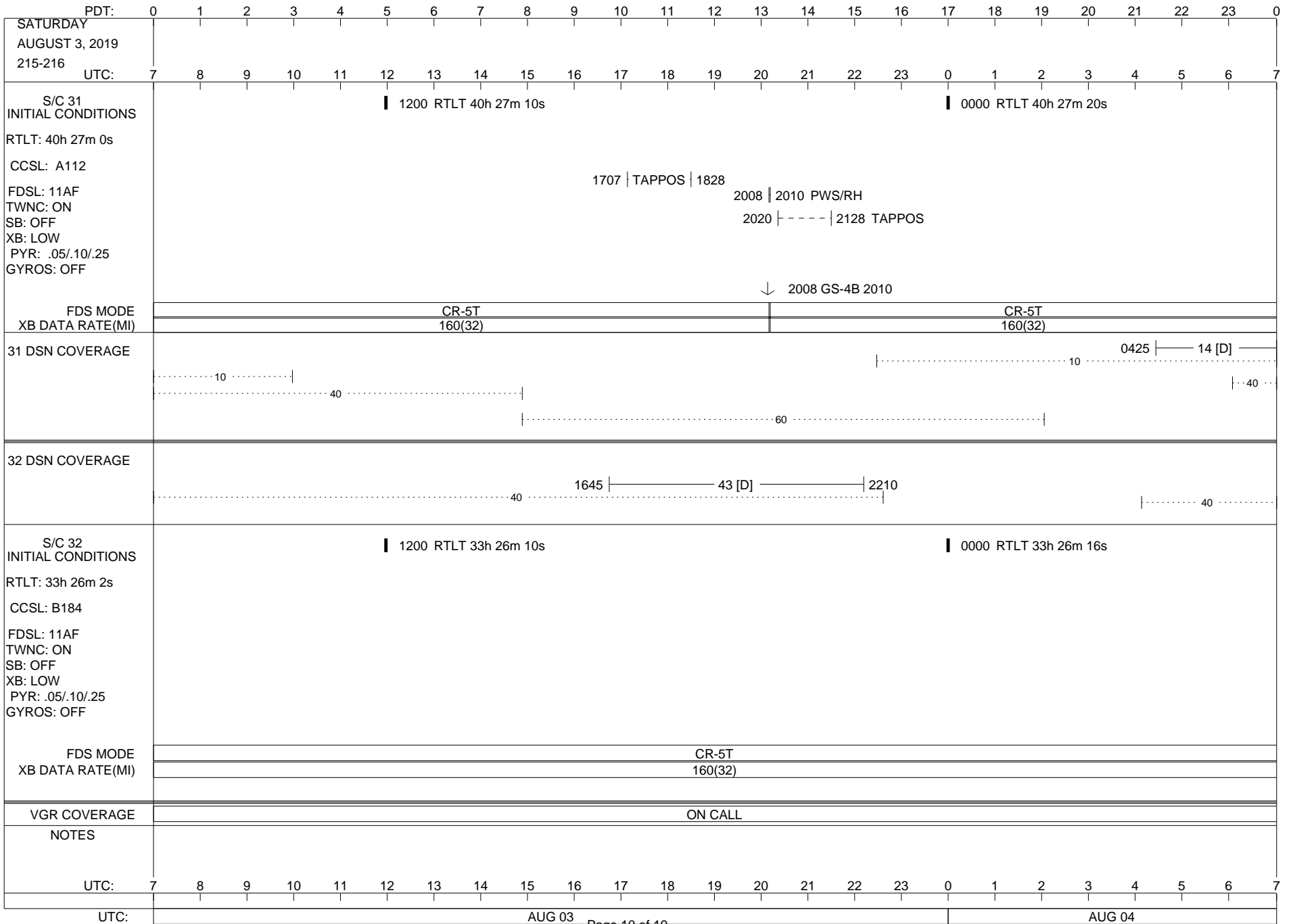


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WEDNESDAY JULY 31, 2019 212-213																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 40h 25m 56s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.05/.25 GYROS: OFF	1200 RTLT 40h 26m 6s												0000 RTLT 40h 26m 18s DUMMY (20:06) 0340 ▼ SS HTR B OFF A ON (20:32) 0406 ▼ YAW=.10 0433 ↓ U/L 0435 | - | TLC (SHORT-FORM) | - - - - - IMPLEMENT ECR 202156 0450 ↓ CCS MRO'S 0453 | | 0500 SS GATE UPD & MRO'S 0544 | | 0548 REDUNDANT CCS MRO'S 0553 | | 0600												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	.....10 ----- 43 [D] ----- | 1035 .....40 ..... .....60												0215 - 0700 |----- 14 [T]----- .....10 ..... .....40											
32 DSN COVERAGE	.....40												1740 |----- 43 [D] ----- | 2140 .....40											
S/C 32 INITIAL CONDITIONS RTLT: 33h 25m 24s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 25m 30s												0000 RTLT 33h 25m 36s												
FDS MODE XB DATA RATE(MI)	CR-5T 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
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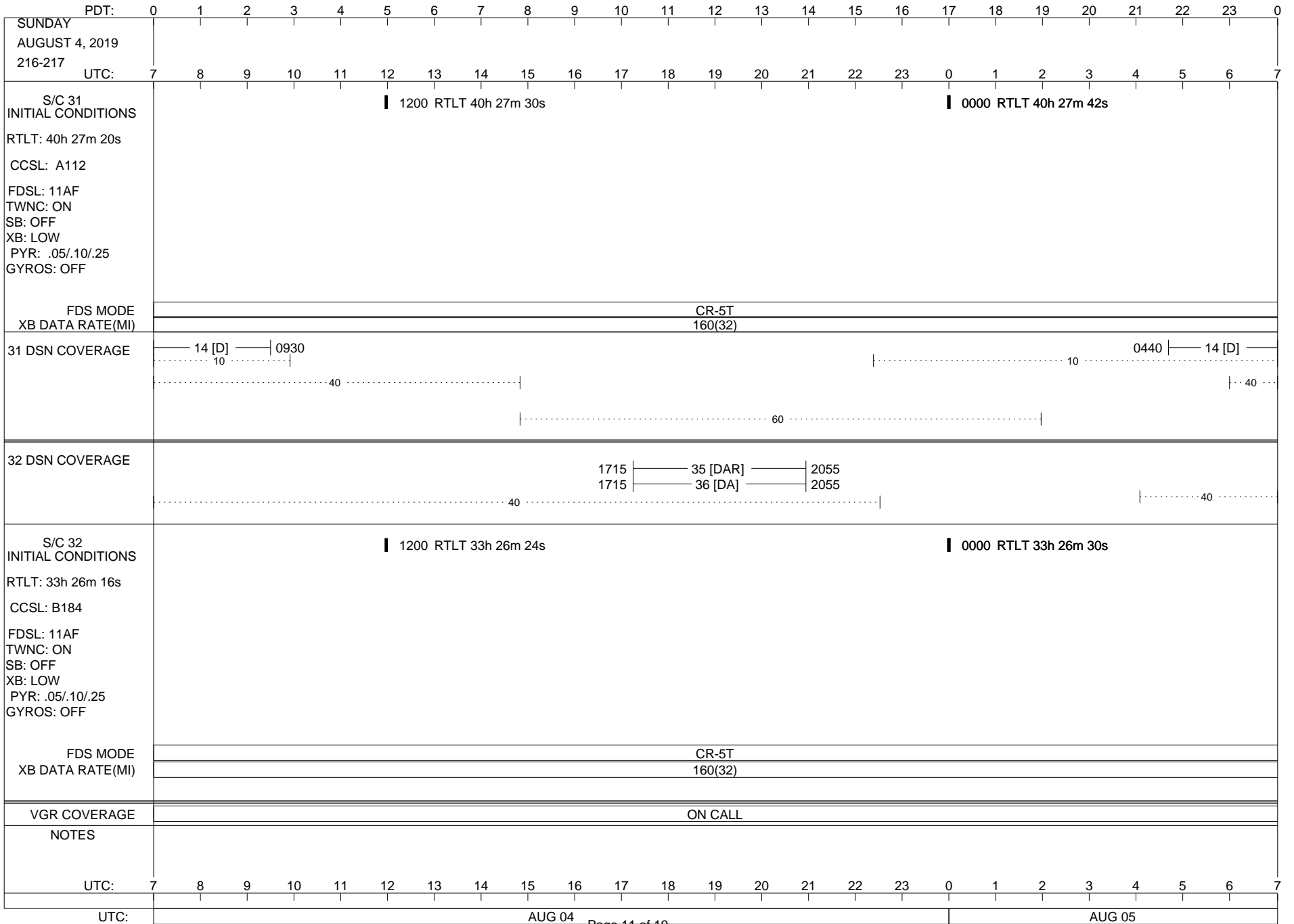
ISSUE DATE: 07/25/19 12:26

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THURSDAY AUGUST 1, 2019 213-214																												
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: 40h 26m 18s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 26m 28s												0000 RTLTL 40h 26m 38s															
----- TLC (SHORT-FORM) -----																												
1406 | TAPPOS | 1542														1709 | 1709 PWS/RH														
														1720 | TAPPOS | 1841														
														↓ 1708 GS-4B 1709														
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	0700 14 [T] | ..... 10 ..... |														..... 10 ..... |													
	..... 40 ..... |														..... 40 ..... |													
															2135 | 55 [DA] | 0020													
															2135 | 54 [DAR] | 0020													
	..... 60 ..... |														..... 60 ..... |													
32 DSN COVERAGE	0835 | 35 [DAR] | 1400														1400													
	0835 | 34 [oA] | 1400														1400													
															1715 | 43 [D] | 1955													
	..... 40 ..... |														..... 40 ..... |													
S/C 32 INITIAL CONDITIONS RTLTL: 33h 25m 36s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 25m 42s												0000 RTLTL 33h 25m 50s															
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:	AUG 01														AUG 02													



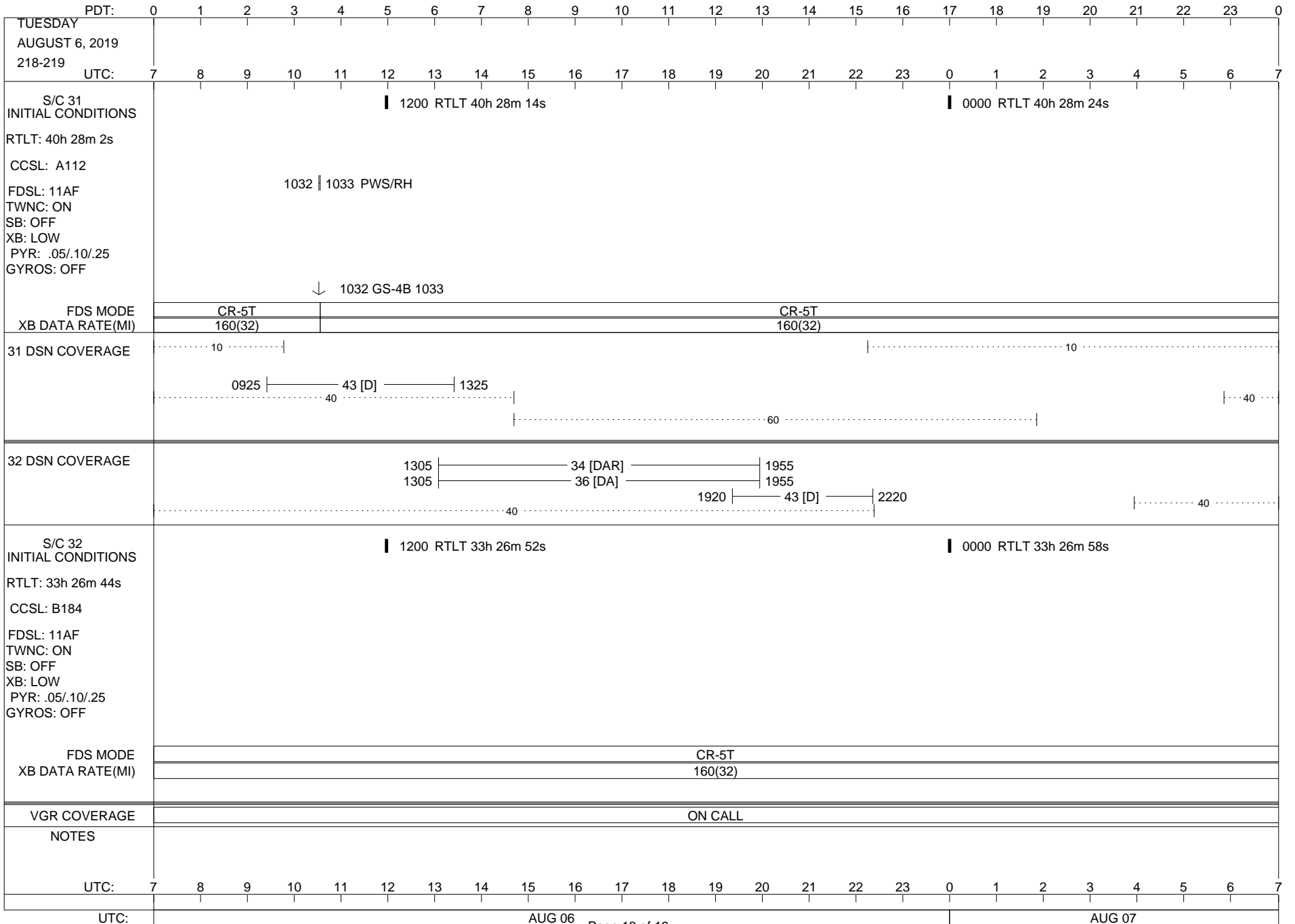


ISSUE DATE: 07/25/19 12:26

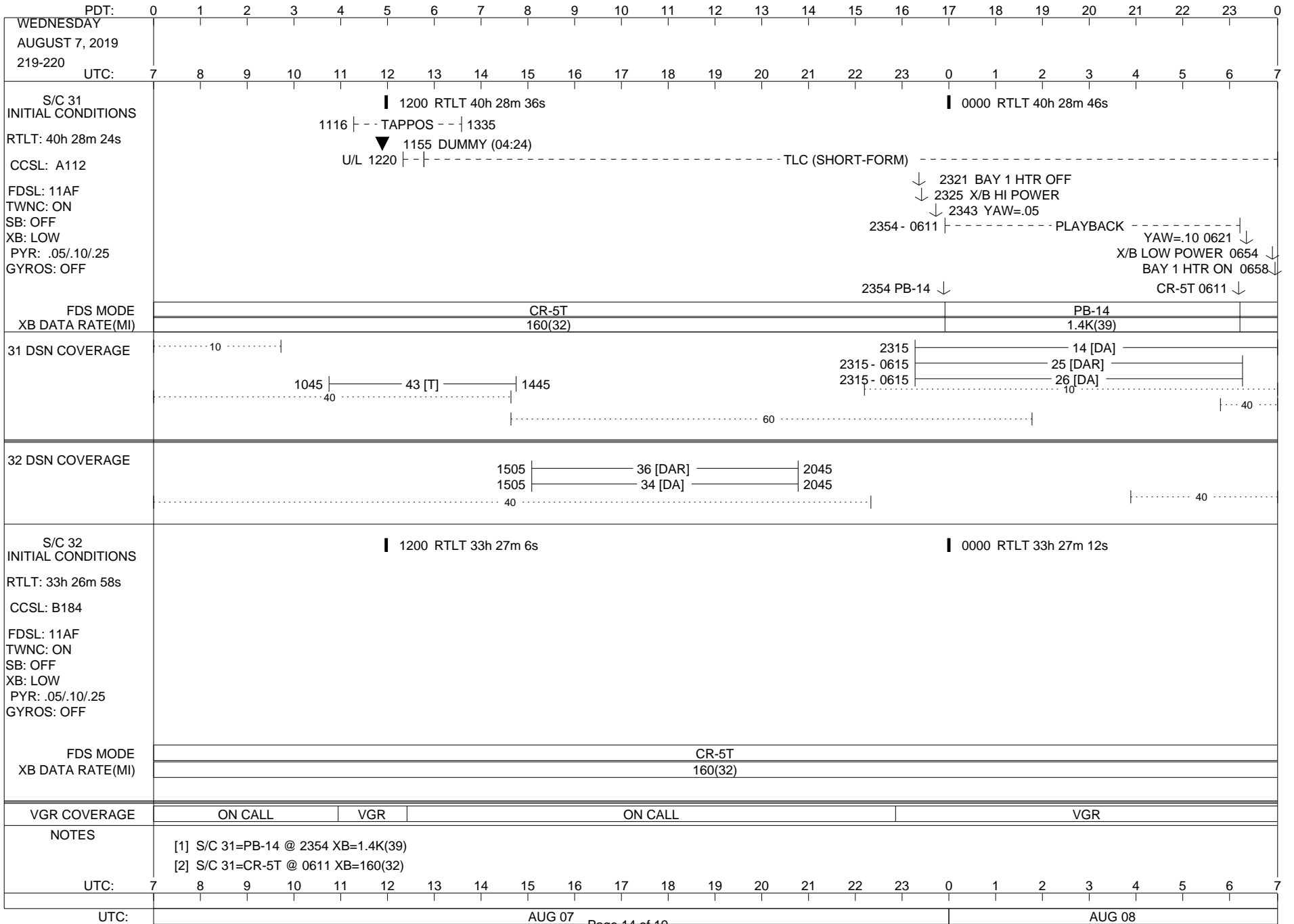


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UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 40h 27m 42s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 27m 52s												0000 RTLT 40h 28m 2s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	14 [D] | 0950 .....| 10 .....												| ..... 10											
	..... 40 .....												| ..... 60											
	| ..... 40 .....												| ..... 40											
32 DSN COVERAGE	0805 | 43 [B] | 1220 .....|												| ..... 40											
	| ..... 40 .....												| ..... 40											
S/C 32 INITIAL CONDITIONS RTLT: 33h 26m 30s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 33h 26m 38s												| 0000 RTLT 33h 26m 44s												
	▼ 0917 DUMMY (5 MIN BRACKETED 18:44)																								
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 05												AUG 06												

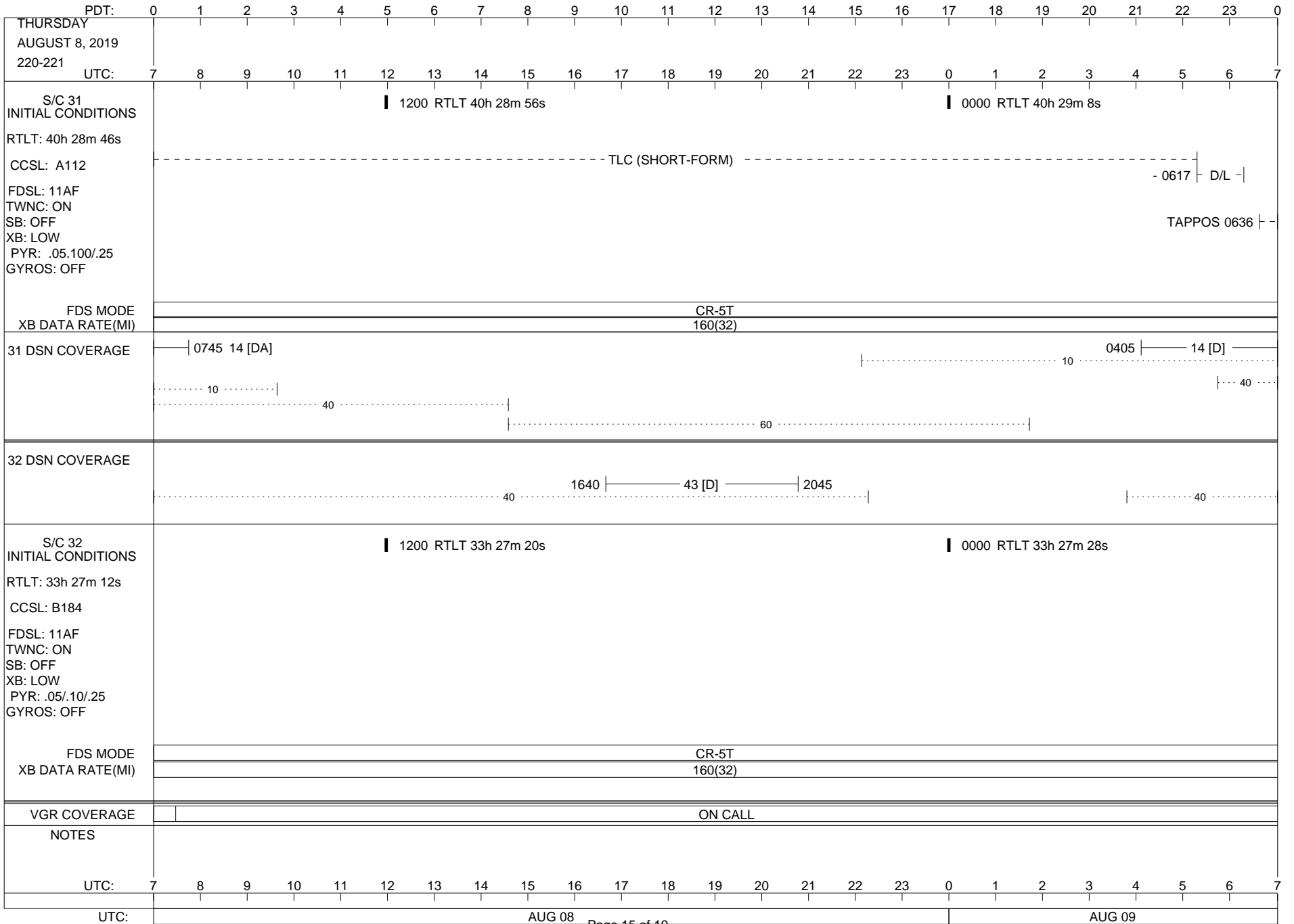
ISSUE DATE: 07/25/19 12:26



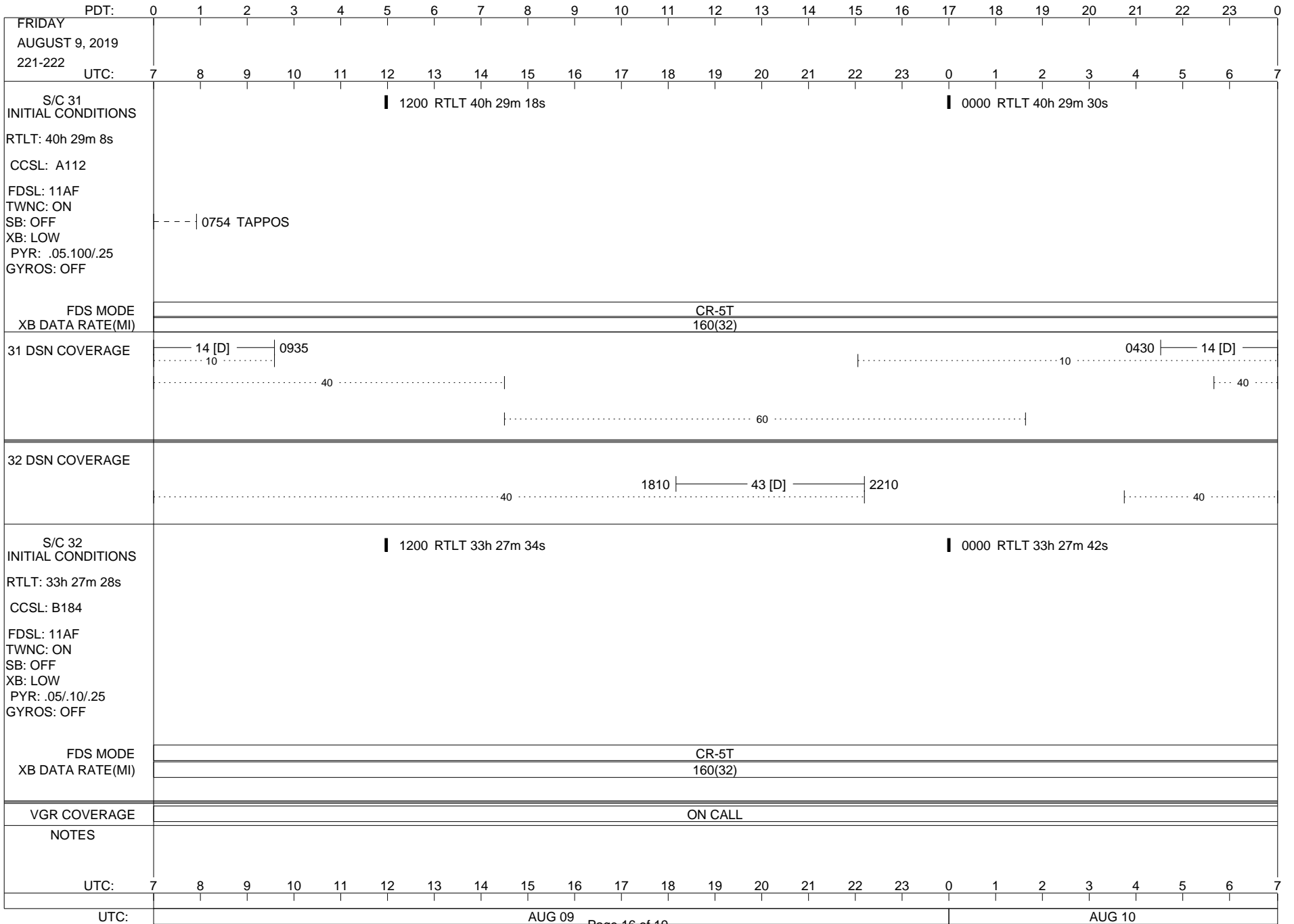
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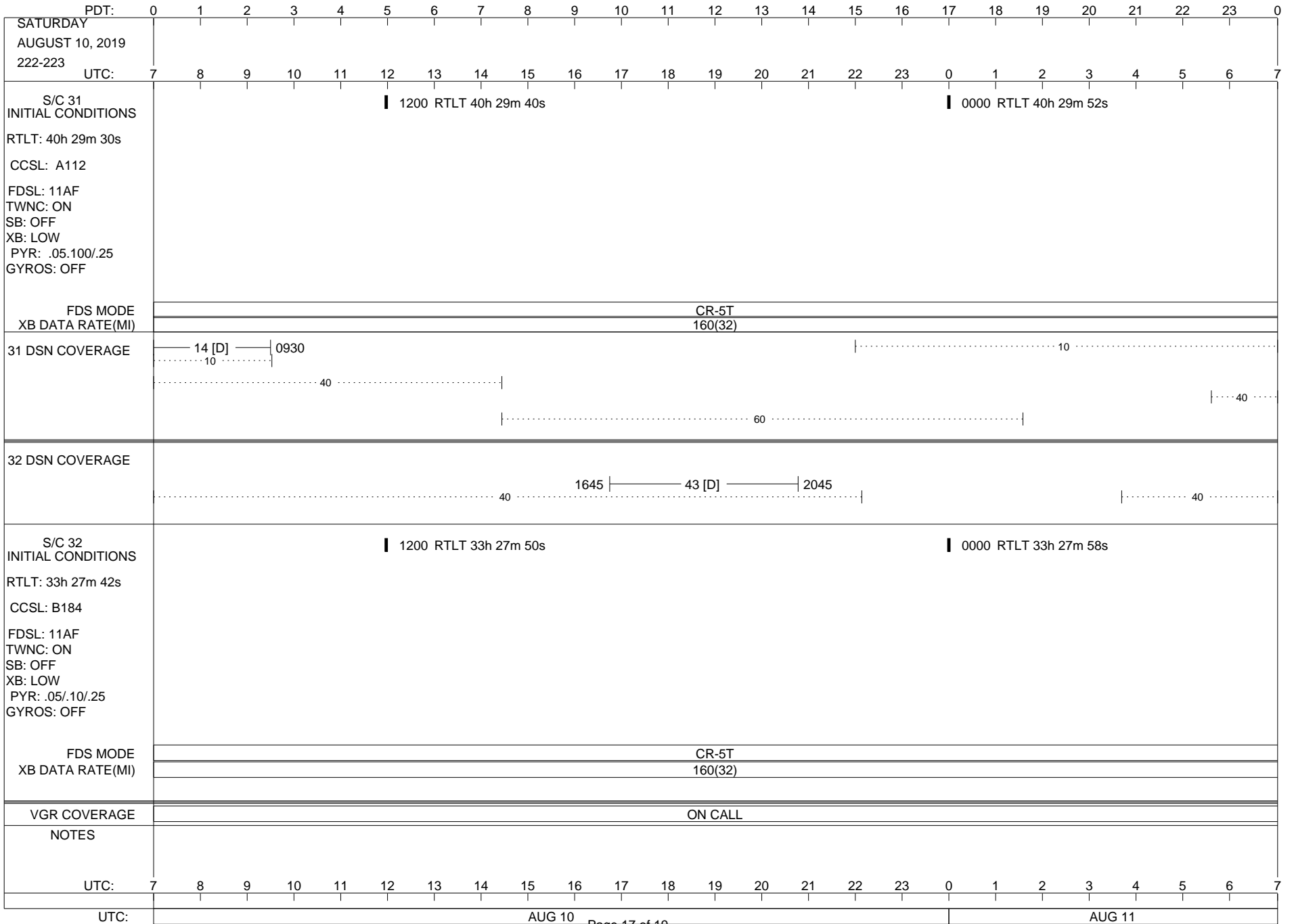
ISSUE DATE: 07/25/19 12:26



ISSUE DATE: 07/25/19 12:26



ISSUE DATE: 07/25/19 12:26



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 11, 2019 223-224	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 29m 52s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05.100/.25 GYROS: OFF	1200 RTLT 40h 30m 2s												0000 RTLT 40h 30m 14s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	10 .....|												0420 |----- 14 [D] -----												
	|----- 43 [D] -----| 0740 - 1140												|----- 40 -----|												
	|----- 40 -----|												|----- 60 -----|												
32 DSN COVERAGE	|----- 40 -----|												1640 |----- 43 [D] -----| 2040												
	|----- 40 -----|												|----- 40 -----|												
S/C 32 INITIAL CONDITIONS RTLT: 33h 27m 58s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 28m 4s												0000 RTLT 33h 28m 12s												
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 11												AUG 12												

ISSUE DATE: 07/25/19 12:26

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 AUGUST 12, 2019 224-225																											
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S/C 31 INITIAL CONDITIONS RTLT: 40h 30m 14s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/100/.25 GYROS: OFF	<p style="text-align: center;">█ 1200 RTLT 40h 30m 24s</p> <p>0755 0759 2 AHELI2 SID MRO'S</p>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p>—— 14 [D] —— | 0920</p> <p>..... 10</p> <p>..... 40</p>																										
32 DSN COVERAGE	<p>..... 40 1740 | —— 43 [D] —— | 2140</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 33h 28m 12s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	<p style="text-align: center;">█ 1200 RTLT 33h 28m 20s</p>																										
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:	AUG 12													AUG 13													