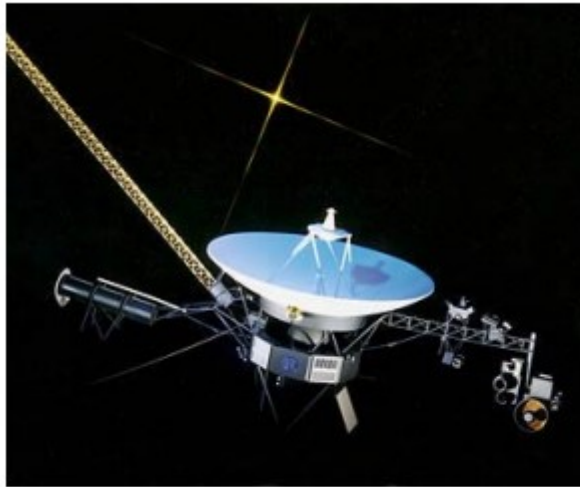


# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: July 31, 2019

For the Period: 08/01/19 to 08/19/19 (19/213 – 19/231)



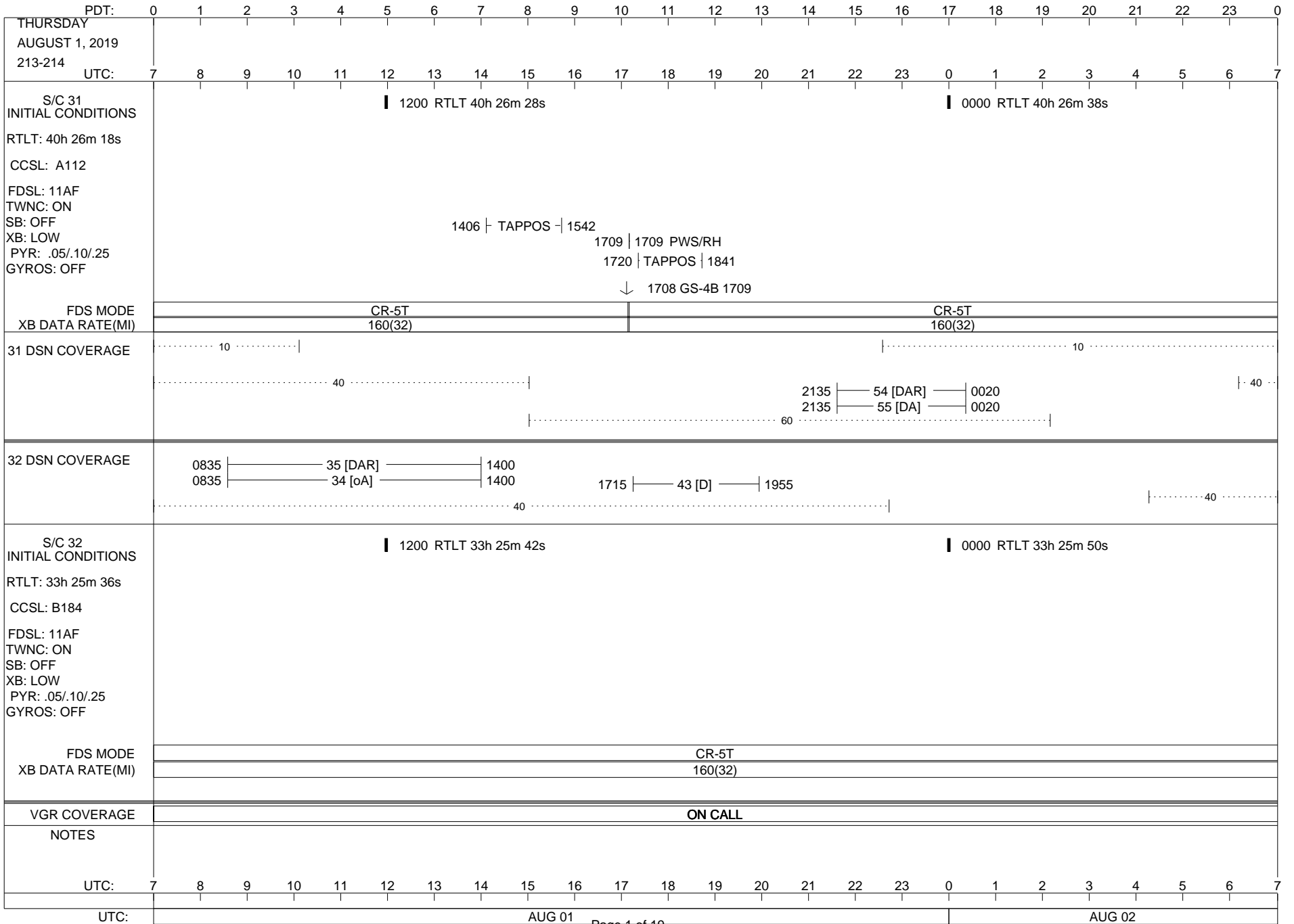
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

**LEGEND:**

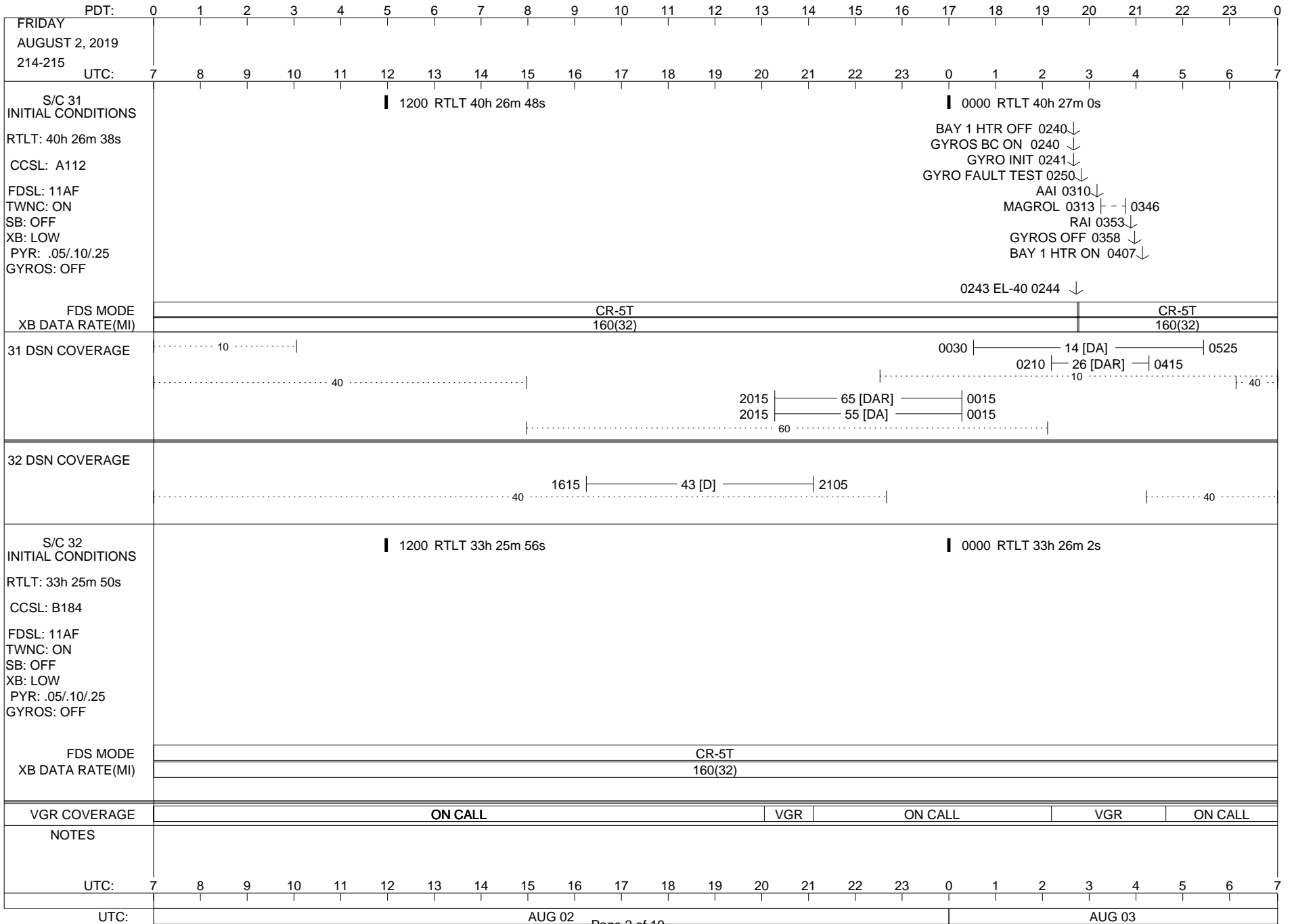
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- \* = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
-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

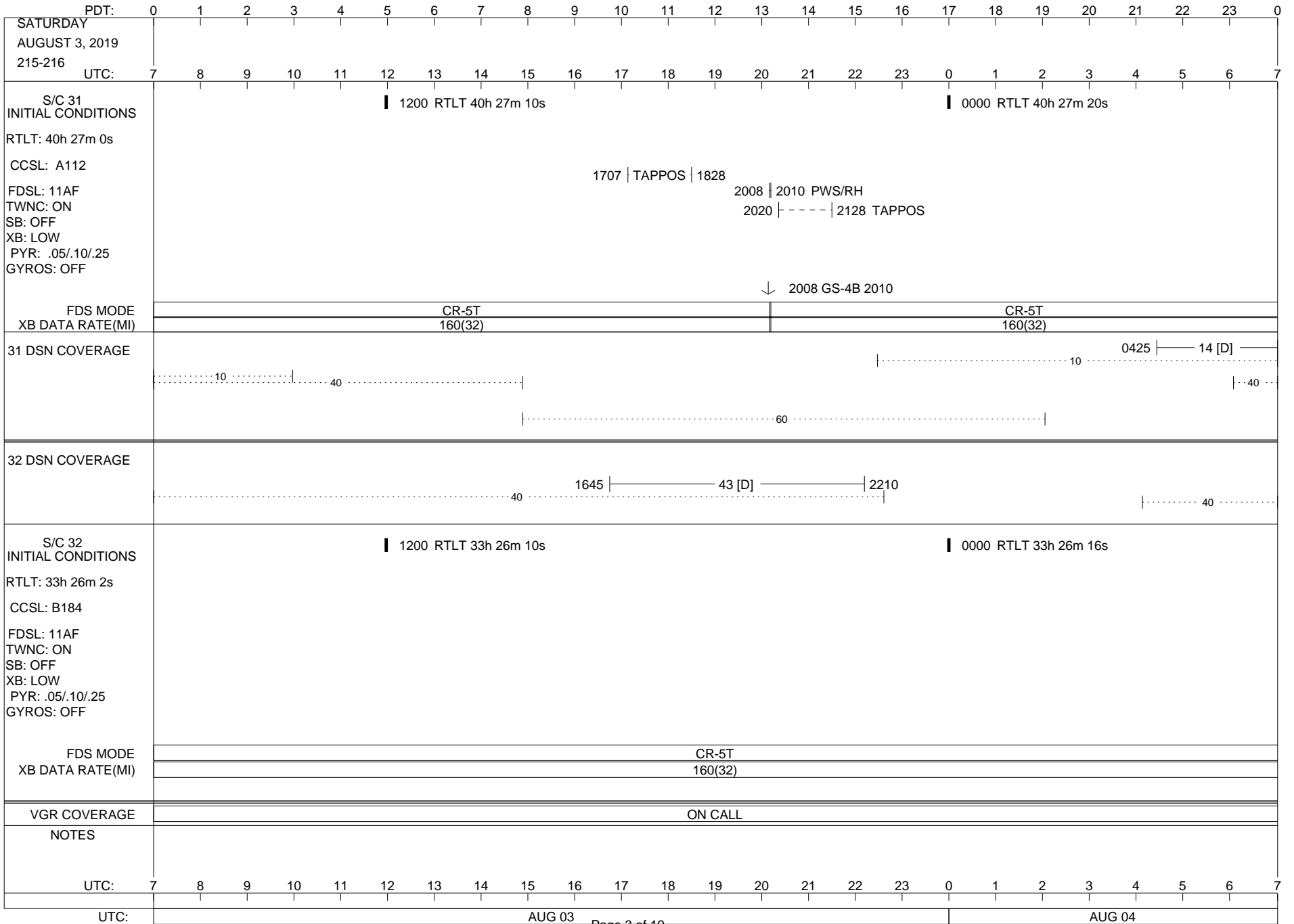
02/27/19

ISSUE DATE: 08/01/19 12:10

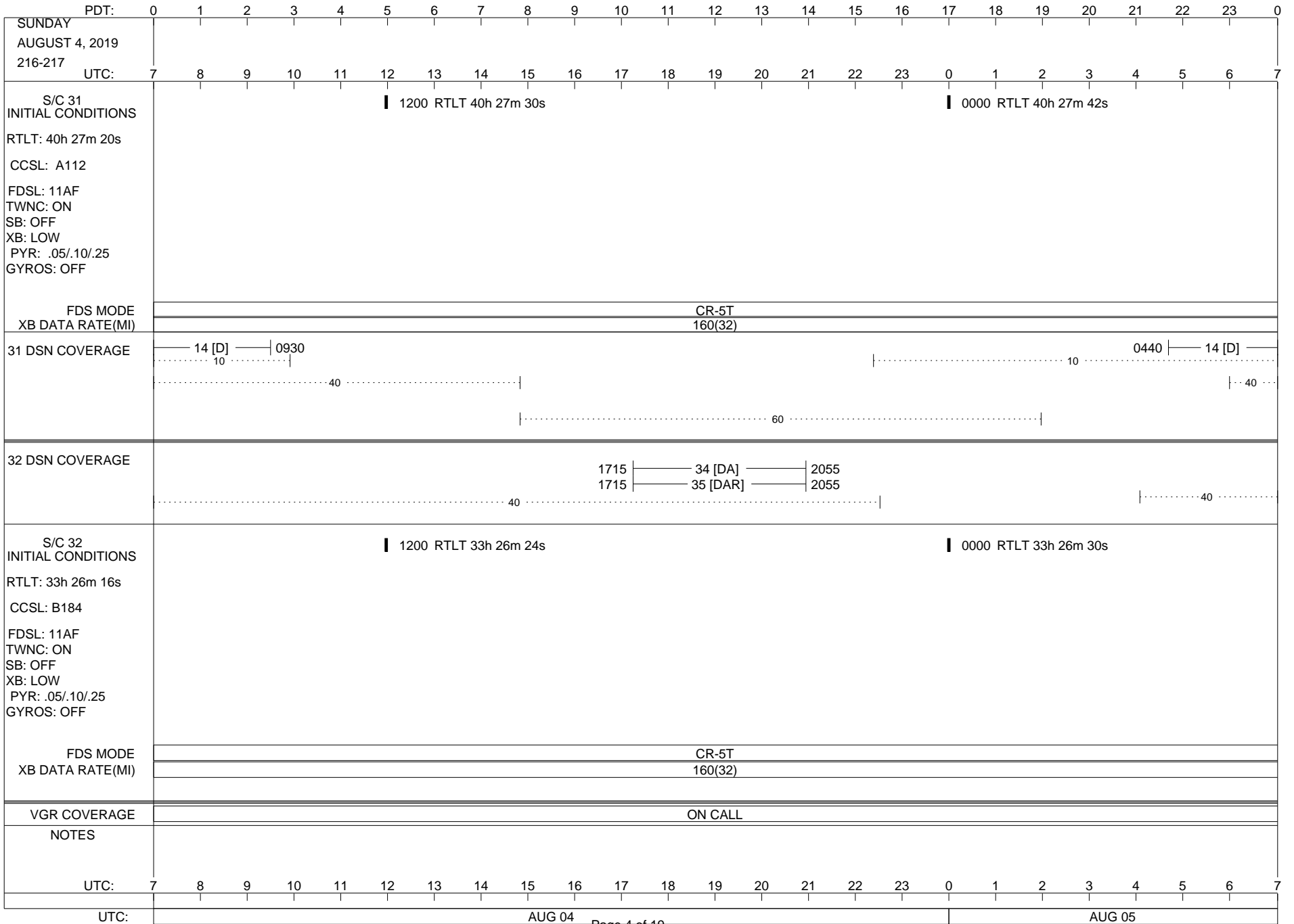


ISSUE DATE: 08/01/19 12:10





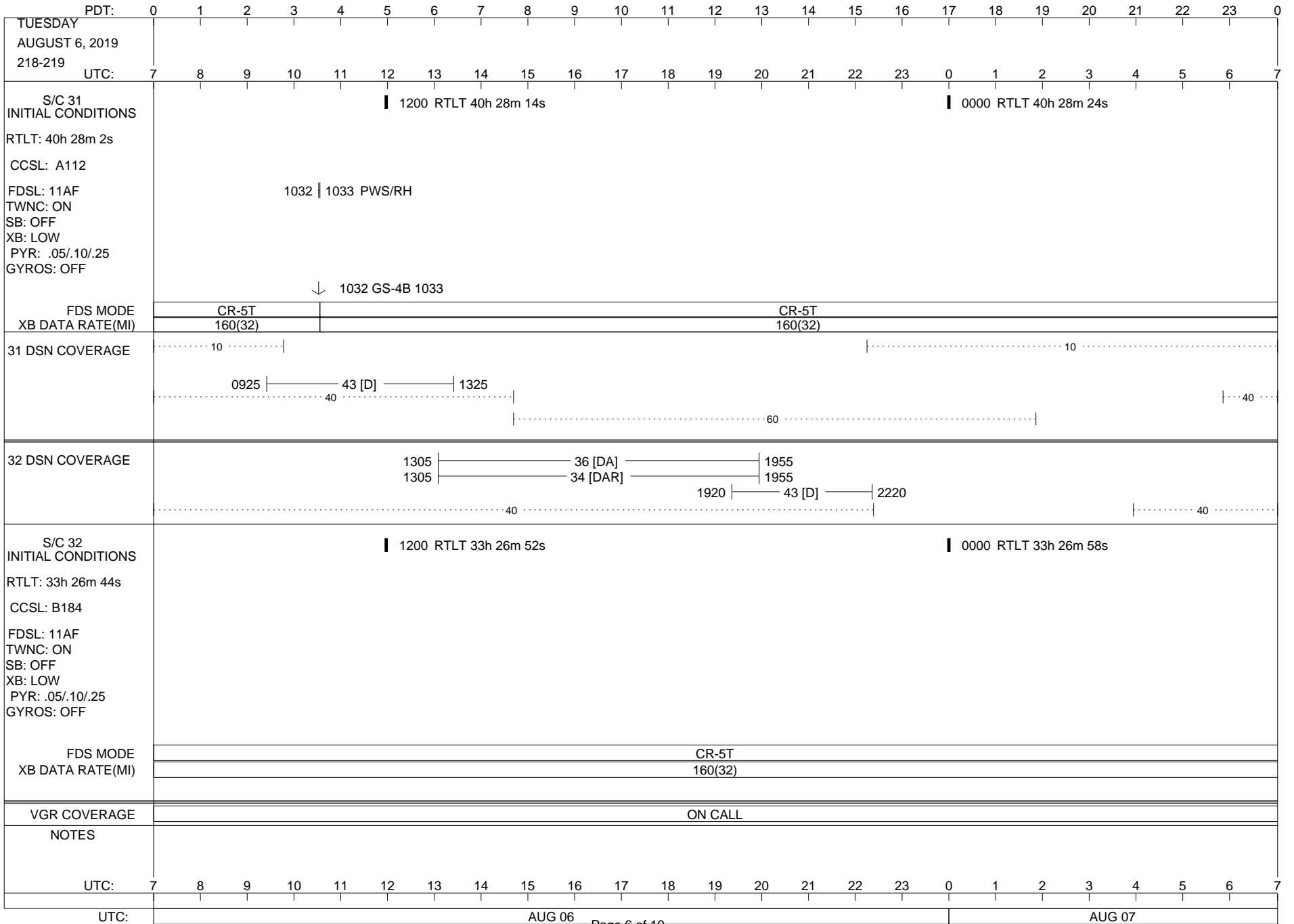
ISSUE DATE: 08/01/19 12:10



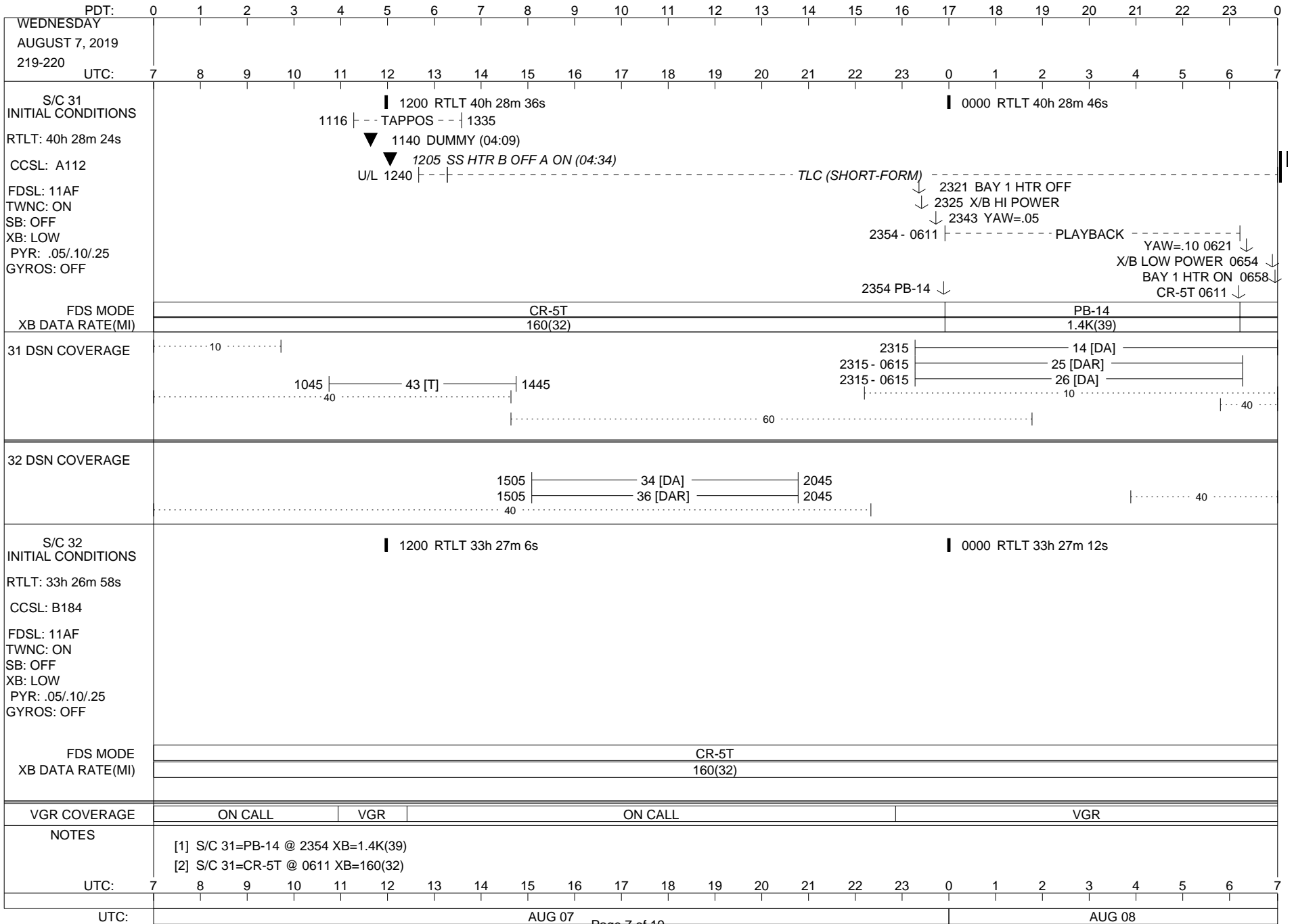
ISSUE DATE: 08/01/19 12:10

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 5, 2019 217-218																												
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																												
32 DSN COVERAGE																												
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														
FDS MODE																	CR-5T											
XB DATA RATE(MI)																	160(32)											
VGR COVERAGE		ON CALL						VGR						ON CALL														
NOTES		<p>▼ 0917 DUMMY (5 MIN BRACKETED 18:44)</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:		AUG 05															AUG 06											

ISSUE DATE: 08/01/19 12:10

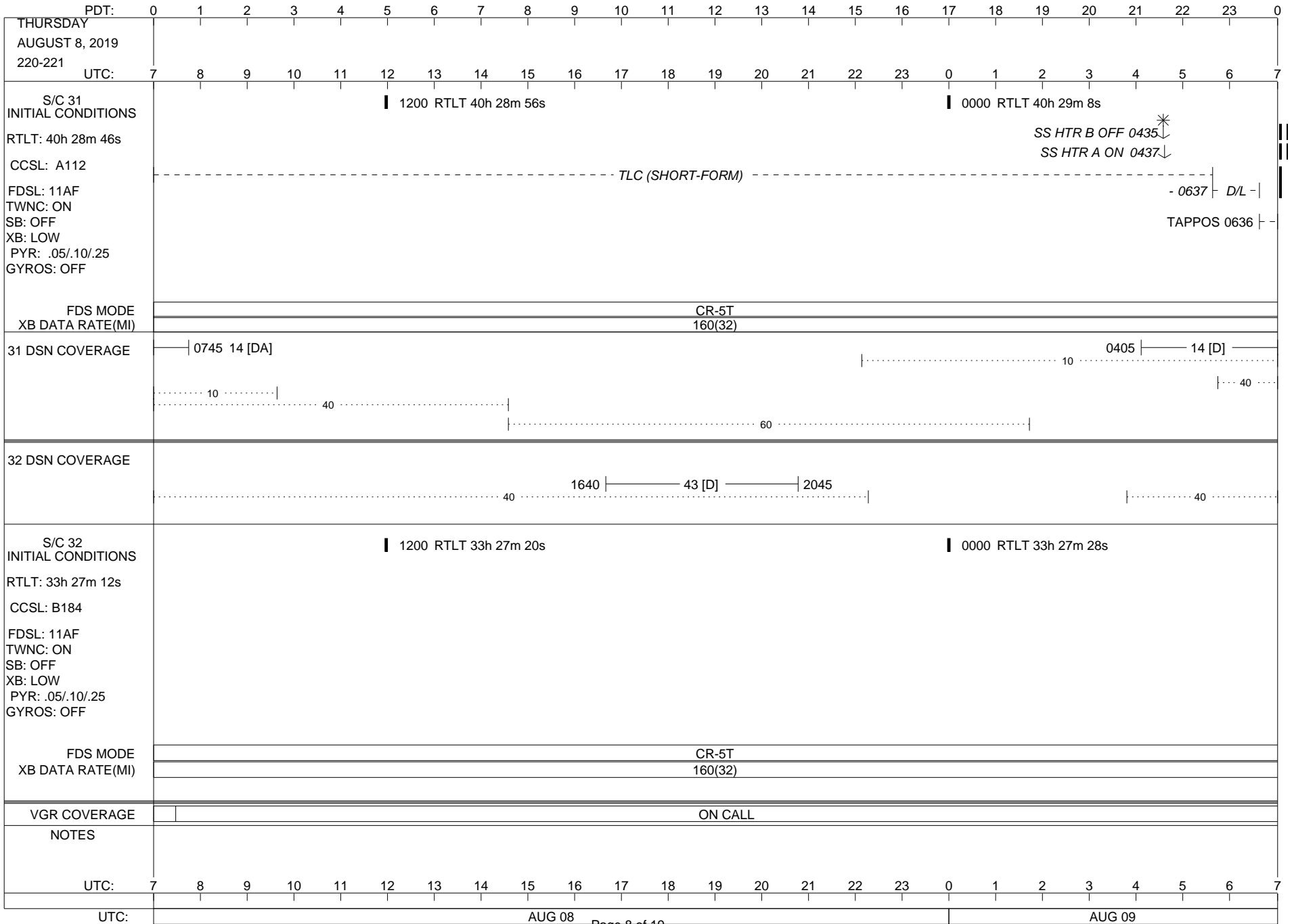


ISSUE DATE: 08/01/19 12:10

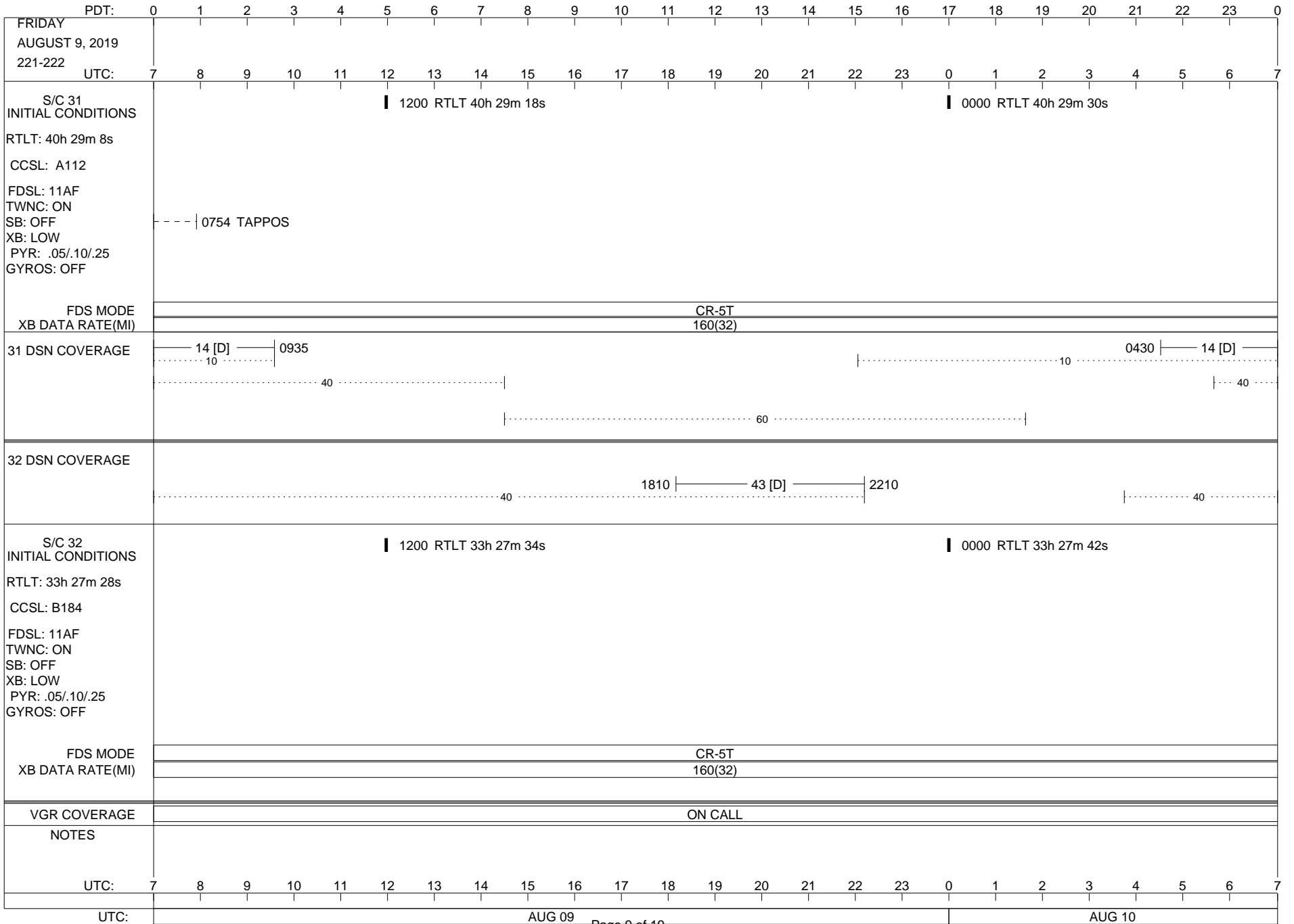




ISSUE DATE: 08/01/19 12:10



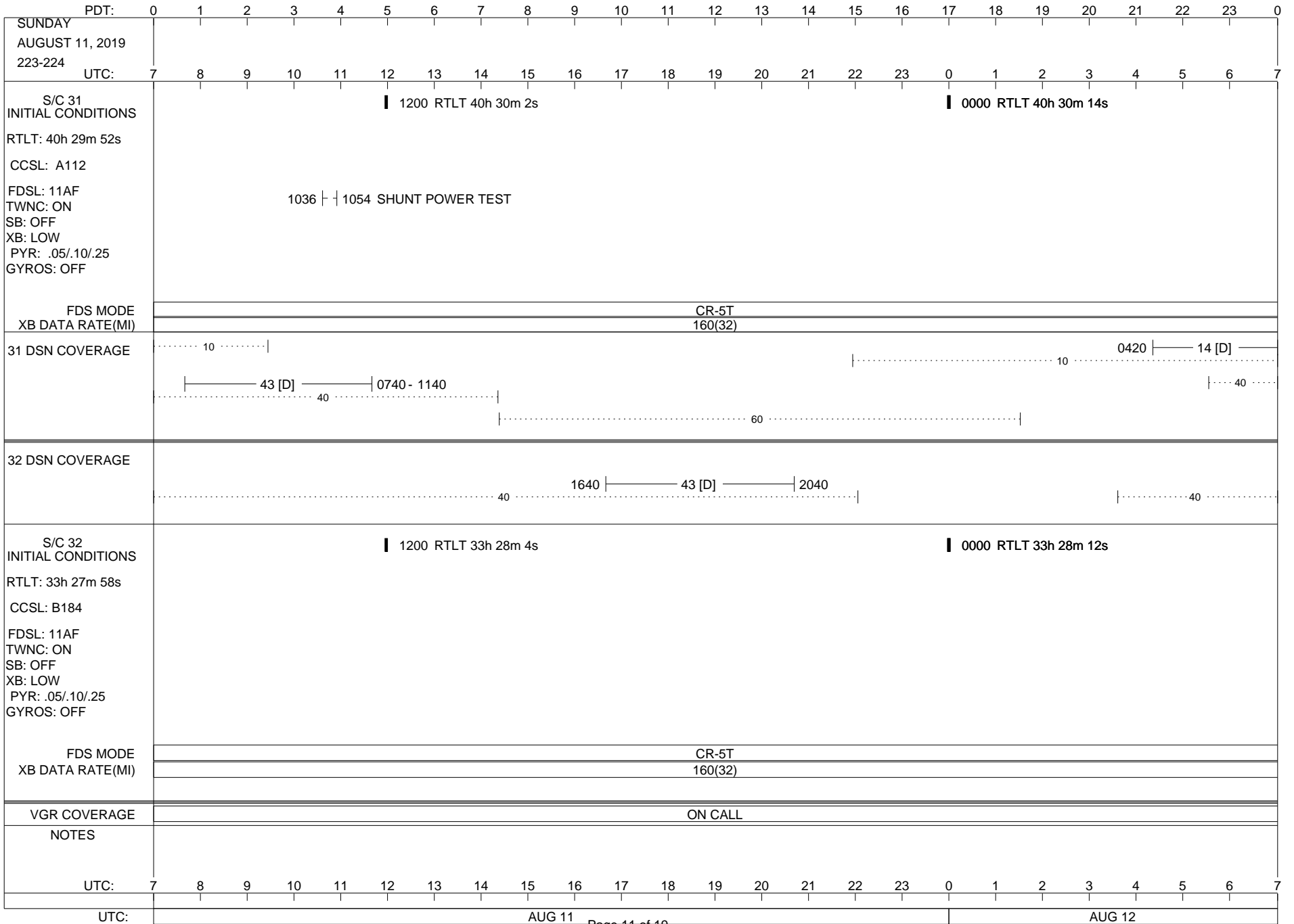
ISSUE DATE: 08/01/19 12:10



ISSUE DATE: 08/01/19 12:10

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 AUGUST 10, 2019 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: 40h 29m 30s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 29m 40s												0000 RTLT 40h 29m 52s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	14 [D] 0930												10												
	10												40												
	40												60												
	60												40												
32 DSN COVERAGE	40												1645 43 [D] 2045												
	40												40												
S/C 32 INITIAL CONDITIONS RTLT: 33h 27m 42s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 27m 50s												0000 RTLT 33h 27m 58s												
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 10												AUG 11												

ISSUE DATE: 08/01/19 12:10



ISSUE DATE: 08/01/19 12:10

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																												
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 30m 14s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 30m 24s												0000 RTLT 40h 30m 36s															
	0755    0759 2 AHELI2 SID MRO'S												MAGCAL 0536  ----- PESCAL 0536  -----															
	↓ 0758 CR-5T 0802																											
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	14 [D]  -----  0920 ..... -----  ..... -----												0420  -----  14 [D]  -----  ..... -----  ..... -----															
32 DSN COVERAGE	..... -----  40 .....												1740  -----  43 [D]  -----  2140 ..... -----  ..... -----															
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	1200 RTLT 33h 28m 20s												0000 RTLT 33h 28m 28s															
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													

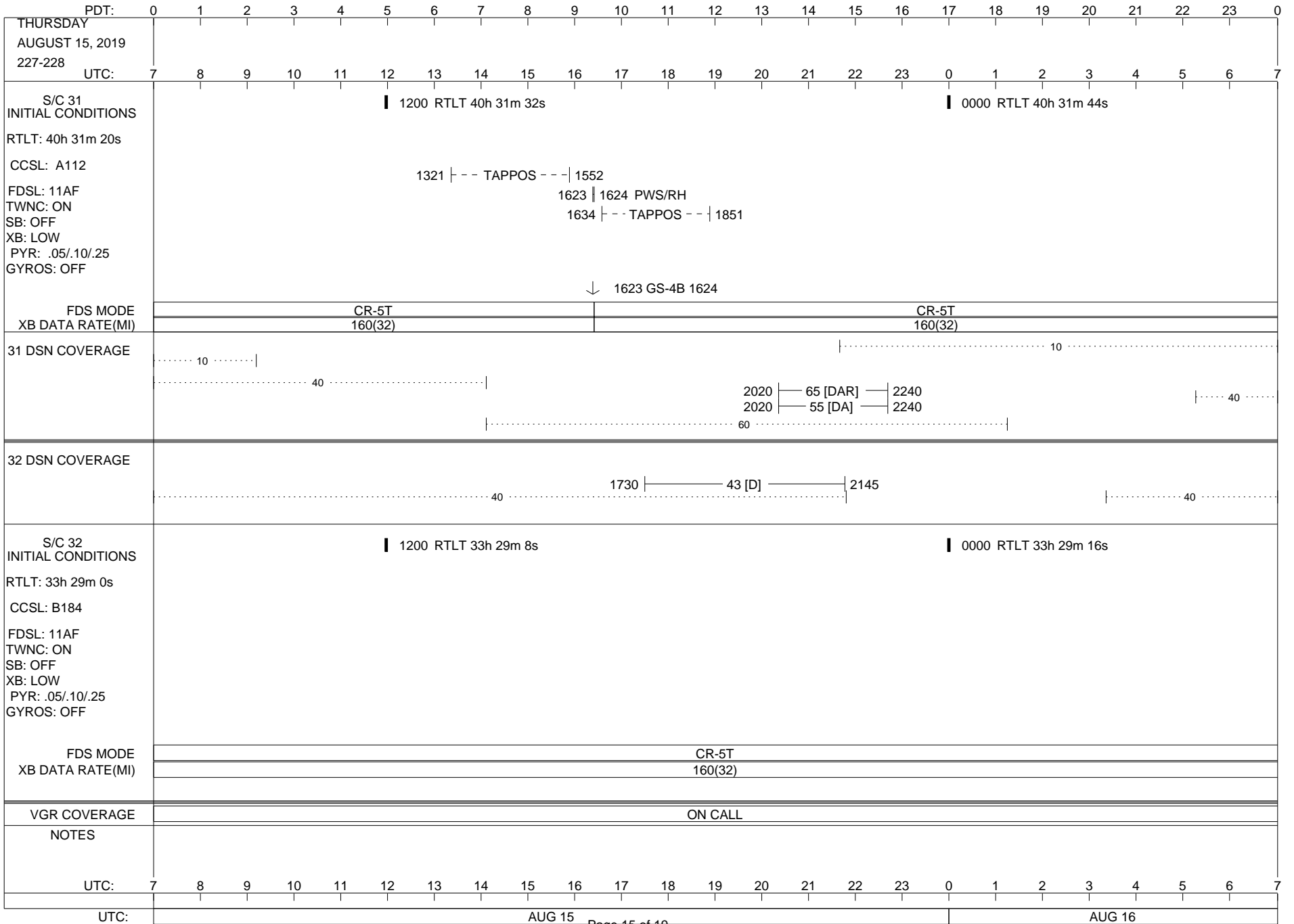
ISSUE DATE: 08/01/19 12:10

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 AUGUST 13, 2019 225-226	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 30m 36s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 30m 48s												0000 RTLT 40h 30m 58s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0910 .....  .....40.....  .....60.....												.....10.....  .....40.....												
32 DSN COVERAGE	43 [H1] 0700-1100 .....40.....												.....40.....												
S/C 32 INITIAL CONDITIONS RTLT: 33h 28m 28s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 28m 36s												0000 RTLT 33h 28m 44s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	VGR												ON CALL												
NOTES	[1] DSS-43 DRV ON >= 225/05:00																								
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 13												AUG 14												

ISSUE DATE: 08/01/19 12:10

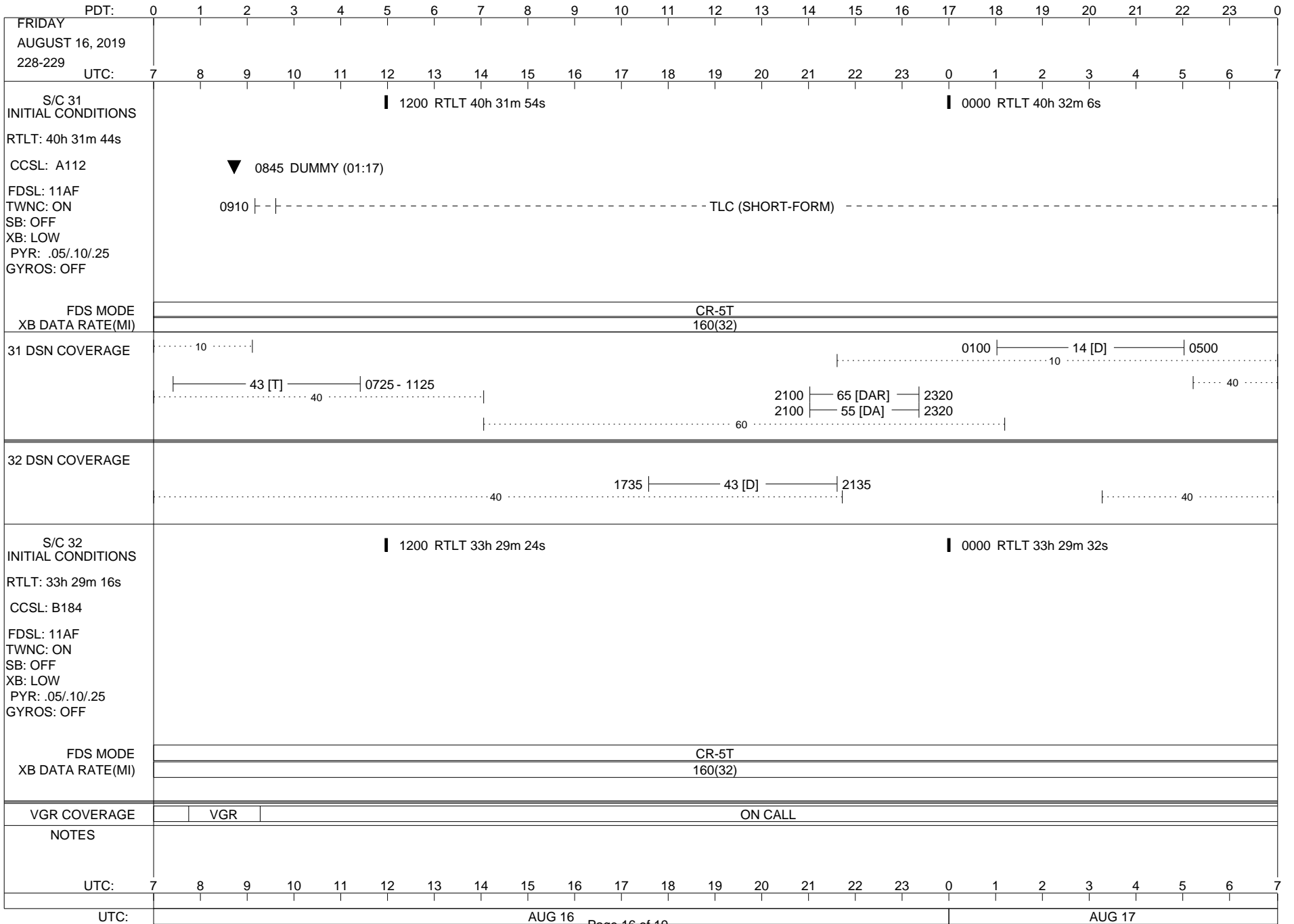
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
WEDNESDAY AUGUST 14, 2019 226-227																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 40h 30m 58s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200													0000						
FDS MODE															CR-5T										
XB DATA RATE(MI)															160(32)										
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 33h 28m 44s CCSL: B184 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																									
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: 08/01/19 12:10

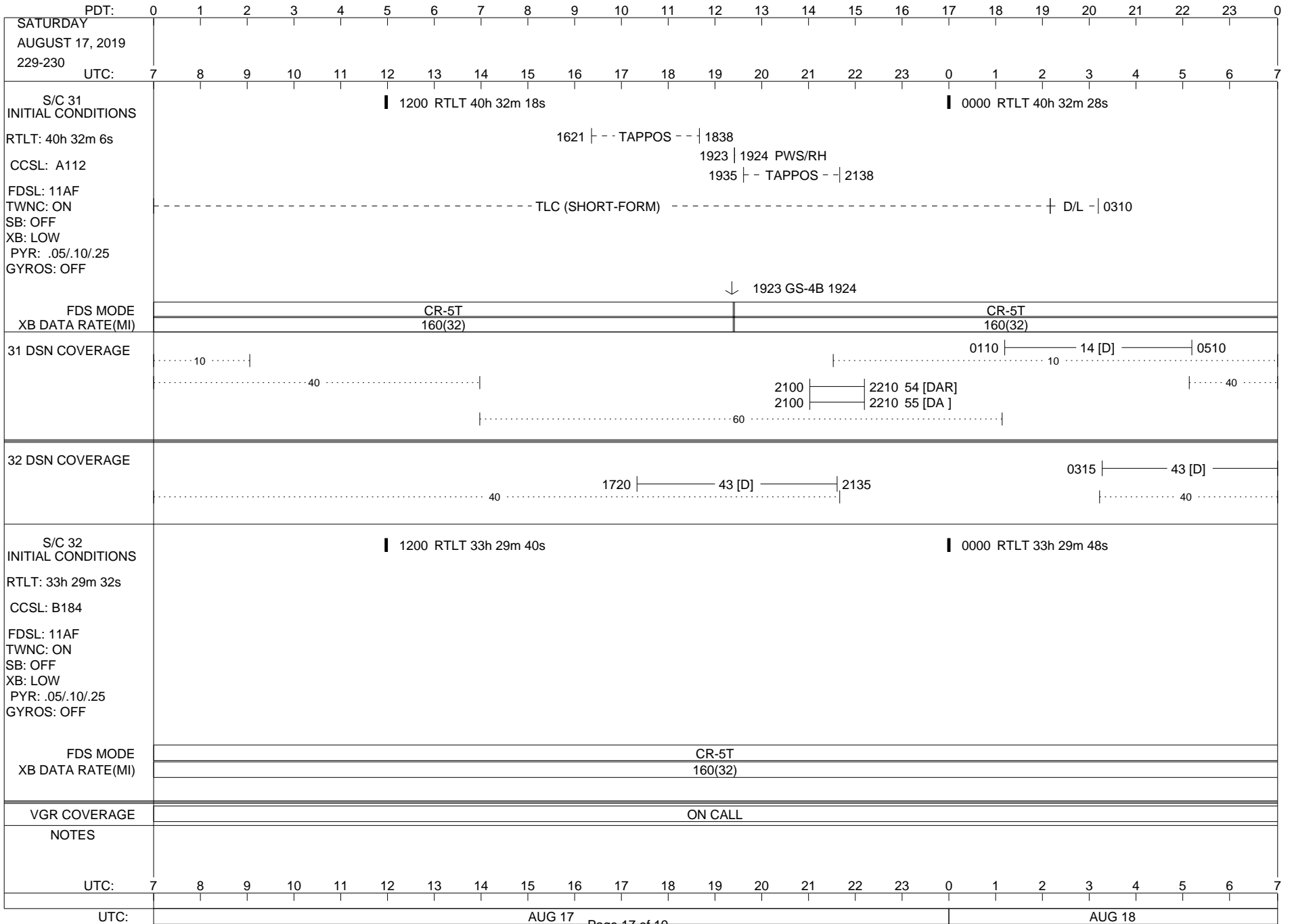




ISSUE DATE: 08/01/19 12:10



ISSUE DATE: 08/01/19 12:10



ISSUE DATE: 08/01/19 12:10

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 18, 2019 230-231																										
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 32m 28s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 32m 40s												0000 RTLT 40h 32m 52s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	..... 10 .....												..... 0105  ----- 14 [D] -----  0505													
	..... 40 .....												..... 10 .....													
	..... 60 .....												..... 40 .....													
32 DSN COVERAGE	----- 43 [D] -----  1115																									
	..... 40 .....												..... 40 .....													
S/C 32 INITIAL CONDITIONS RTLT: 33h 29m 48s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 29m 56s												0000 RTLT 33h 30m 4s													
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 18														AUG 19											

ISSUE DATE: 08/01/19 12:10

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 19, 2019 231-232																											
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 32m 52s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 33m 2s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p>..... 10 ..... </p> <p>..... 40 ..... </p> <p>2055   55 [DAR]   2305</p> <p>2055   65 [DA]   2305</p>																										
32 DSN COVERAGE	<p>1100   43 [D]   1530</p> <p>..... 40 ..... </p>																										
S/C 32 INITIAL CONDITIONS RTLT: 33h 30m 4s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 30m 12s																										
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 19													AUG 20													