

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: August 1, 2018

For the Period: 08/02/18 to 08/20/18 (18/214 – 18/232)

DSN OPSCHIEF **230-102**

SCIENCE

FLIGHT TEAM

600-100

DSOT **230-102**

CRS bryant@mail630.gsfc.nasa.gov
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 MAG u2mha@lepvax.gsfc.nasa.gov
 PLS vgr@space.mit.edu
 PWS wsk@space.physics.uiowa.edu
 Leonard.F.Burlaga@nasa.gov
 Donald-Gurnett@uiowa.edu

Dodd, S.
 Hall, J.
 Howard, S.
 Ko, A.
 Ledeboer, W.
 Ludwig, R.
 Matsumoto, S.
 Medina, E.
 Peralta, F.
 Weeks, T.
 Yang, L.

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

Posted at http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html

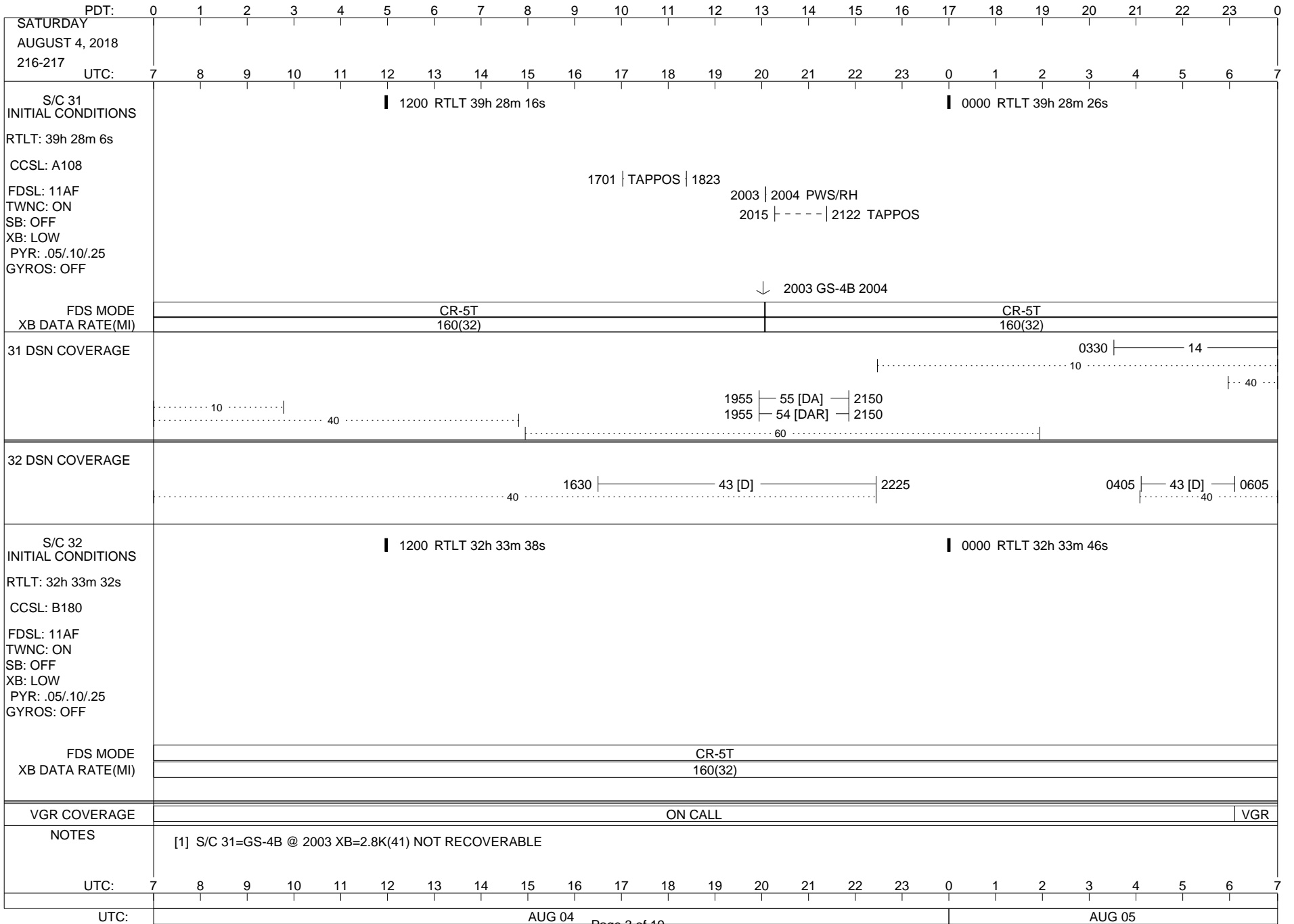
02/27/17

ISSUE DATE: 08/04/18 20:55

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THURSDAY AUGUST 2, 2018 214-215																										
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S/C 31 INITIAL CONDITIONS RTLT: 39h 27m 24s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 27m 34s												0000 RTLT 39h 27m 44s													
	1401 | TAPPOS | 1536												1702 | 1704 PWS/RH 1714 | TAPPOS | 1836													
													↓ 1702 GS-4B 1704													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	..... 10 .....										..... 0200 |----- 14 [D] -----| 0600													
	..... 40 .....										..... 10													
	..... 60 .....										..... 40													
32 DSN COVERAGE	..... 40 .....										..... 1810 |----- 43 [D] -----| 2215													
	..... 40 .....										..... 40													
S/C 32 INITIAL CONDITIONS RTLT: 32h 33m 4s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 33m 12s												| 0000 RTLT 32h 33m 18s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE	ON CALL																									
NOTES	[1] S/C 31=GS-4B @ 1702 XB=2.8K(41) NOT RECOVERABLE																									
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												

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FRIDAY AUGUST 3, 2018 215-216																									
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S/C 31 INITIAL CONDITIONS RTLT: 39h 27m 44s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 27m 56s												0000 RTLT 39h 28m 6s												
													GYROS BC ON 0211 ↓ BAY 1 HTR OFF 0211 ↓ GYRO FAULT TEST 0221 ↓ AAI 0311 ↓ MAGROL 0314 |-----| 0426 RAI 0426 ↓ GYROS OFF 0431 ↓ CRU 0432 ↓ BAY 1 HTR ON 0440 ↓ ↓ 0214 EL-40 0215												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	..... 10 ..... | ..... 40 ..... | ..... 60 ..... |												2250 |----- 14 [DA] -----| 0530 0205 ----- 24 [DA] -----| 0530 0205 ----- 25 [DAR] -----| 0530 0205 ----- 26 [DA] -----| 0530 10 ..... |----- 40											
32 DSN COVERAGE	..... 40 ..... |----- 1815 |----- 43 [o] -----| 2225 40 ..... |----- 40																							
S/C 32 INITIAL CONDITIONS RTLT: 32h 33m 18s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 33m 26s												| 0000 RTLT 32h 33m 32s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	[1] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0314-0426)																								
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 03												AUG 04												

ISSUE DATE: 08/04/18 20:55

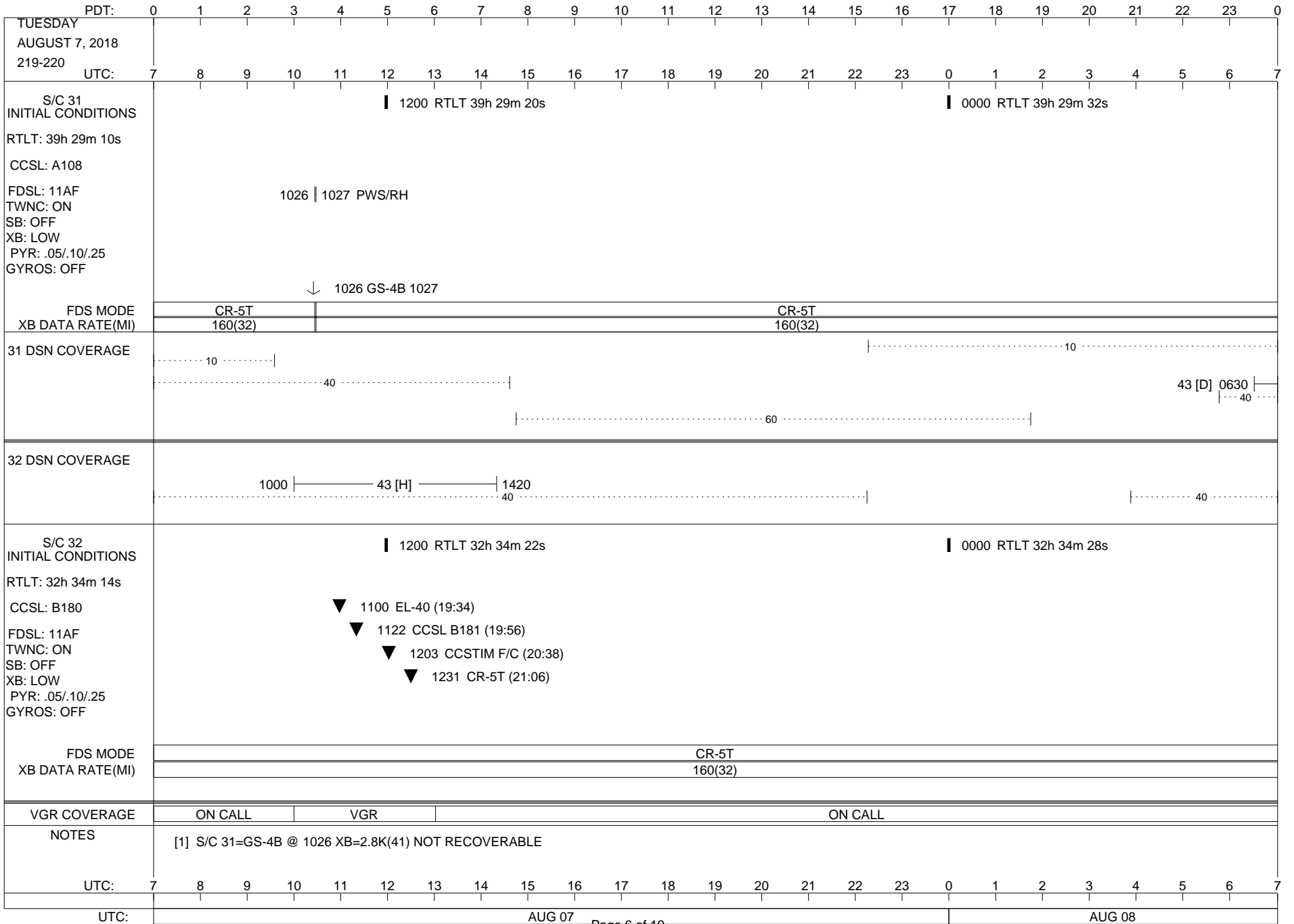


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S/C 31 INITIAL CONDITIONS RTLT: 39h 28m 26s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200															0000				
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE	0715	14																				10			
		10																							
					40																				40
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 32h 33m 46s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200																0000			
FDS MODE XB DATA RATE(MI)																									
VGR COVERAGE	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: 08/04/18 20:55

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MONDAY AUGUST 6, 2018 218-219																									
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S/C 31 INITIAL CONDITIONS RTLT: 39h 28m 48s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 29m 0s												0000 RTLT 39h 29m 10s												
FDS MODE	CR-5T												EL-40		CR-5T										
XB DATA RATE(MI)	160(32)												40(30)		160(32)										
31 DSN COVERAGE	..... 10 ..... |												2225 |-----| 14 [D] -----| 0225		..... 10								
	0930 |-----| 43 [D] -----| 1350				..... 40 .....				..... 60 .....				|..... 40			
32 DSN COVERAGE	..... 40												1635 |-----| 43 [D] -----| 2215		|..... 40								
S/C 32 INITIAL CONDITIONS RTLT: 32h 34m 0s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 34m 8s												| 0000 RTLT 32h 34m 14s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=EL-40 @ 2235 XB=40(30)												[2] S/C 31=CR-5T @ 0120 XB=160(32)												
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 06														AUG 07										



ISSUE DATE: 08/04/18 20:55

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 8, 2018 220-221																									
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S/C 31 INITIAL CONDITIONS RTLT: 39h 29m 32s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 29m 42s 0747 -- TAPPOS -- 1005												0000 RTLT 39h 29m 54s ↓ 2351 BAY 1 HTR OFF ↓ 2355 X/B HI POWER ↓ 0014 YAW=.05 0024- 0642 -----PLAYBACK----- YAW=.10 0652 ↓												
FDS MODE	CR-5T												PB-14												
XB DATA RATE(MI)	160(32)												1.4K(39)												
31 DSN COVERAGE	..... 10 ..... | ----- 43 [D] ----- | 1100 40 ..... | ..... 60 ..... | ..... 40 ..... |												2325 |----- 14 [DA] ----- 2325 |----- 24 [DA] ----- 2325 |----- 25 [DAR] ----- 10 ..... | ..... 40 ..... |												
32 DSN COVERAGE	..... 40 ..... |----- 1745 |----- 43 [D] -----| 2205 40																							
S/C 32 INITIAL CONDITIONS RTLT: 32h 34m 28s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 34m 36s												0000 RTLT 32h 34m 44s												
FDS MODE	CR-5T												EL-40						CR-5T						
XB DATA RATE(MI)	160(32)												40(30)						160(32)						
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	[1] S/C 32=EL-40 @ 1935 XB=40(30) [2] S/C 32=CR-5T @ 2106 XB=160(32)												[3] S/C 31=PB-14 @ 0024 XB=1.4K(39) [4] S/C 31=CR-5T @ 0642 XB=160(32)												
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THURSDAY AUGUST 9, 2018 221-222	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: 39h 29m 54s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 30m 4s												0000 RTLT 39h 30m 16s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												TAPPOS 0607 | - - -												
31 DSN COVERAGE	14 [DA] | 0925 0740 24 [DA] 0740 25 [DAR] 10 | 40												0520 | 14 [D] | 10 | 40												
32 DSN COVERAGE	40												1805 | 43 [D] | 2205 40												
S/C 32 INITIAL CONDITIONS RTLT: 32h 34m 44s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 34m 50s												0000 RTLT 32h 34m 58s												
FDS MODE XB DATA RATE(MI)	CR-5T 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 09												AUG 10												

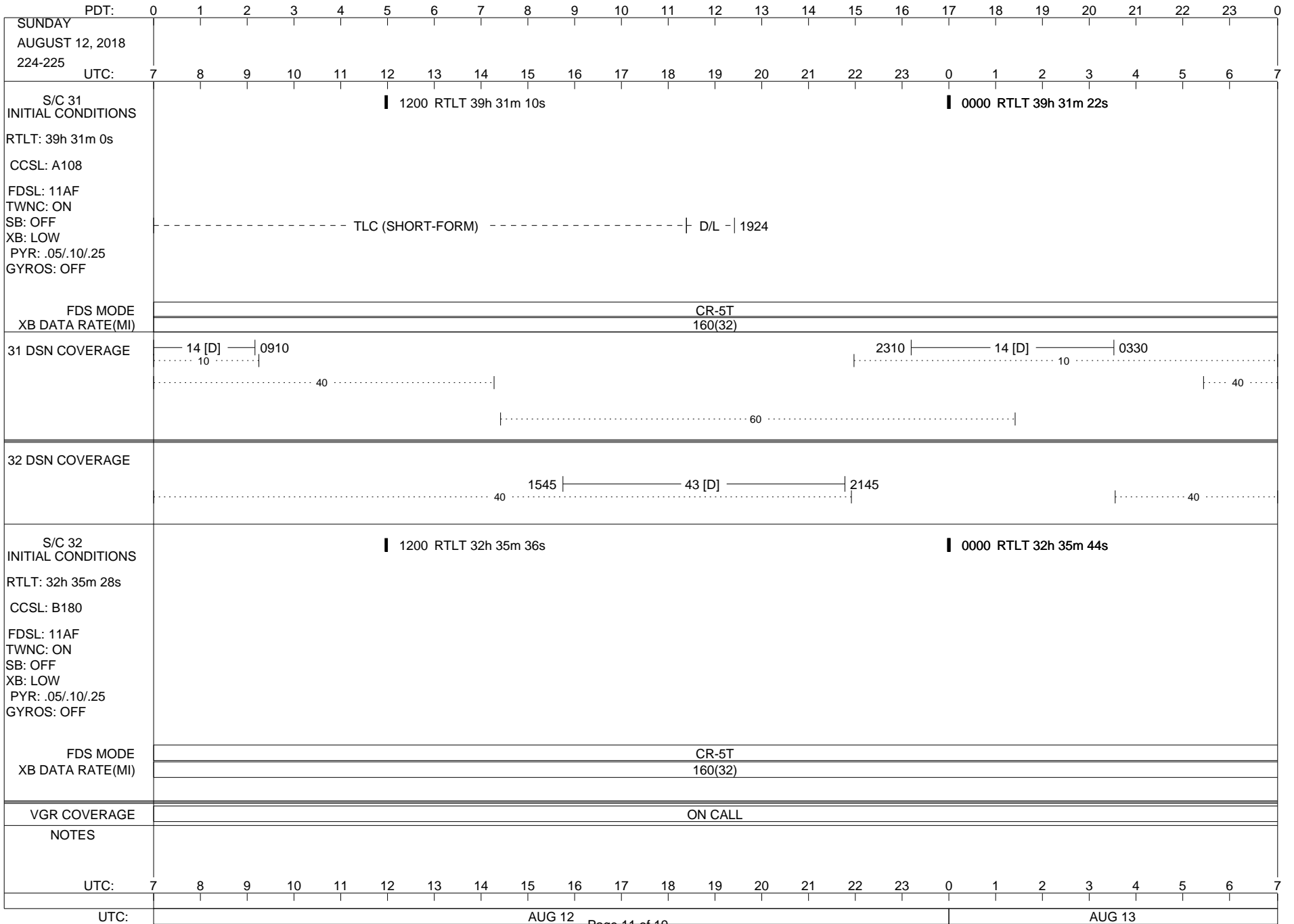
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FRIDAY AUGUST 10, 2018 222-223																									
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S/C 31 INITIAL CONDITIONS RTLT: 39h 30m 16s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 39h 30m 26s												█ 0000 RTLT 39h 30m 38s							
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 32h 34m 58s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 32h 35m 6s												█ 0000 RTLT 32h 35m 14s							
FDS MODE XB DATA RATE(MI)																									
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
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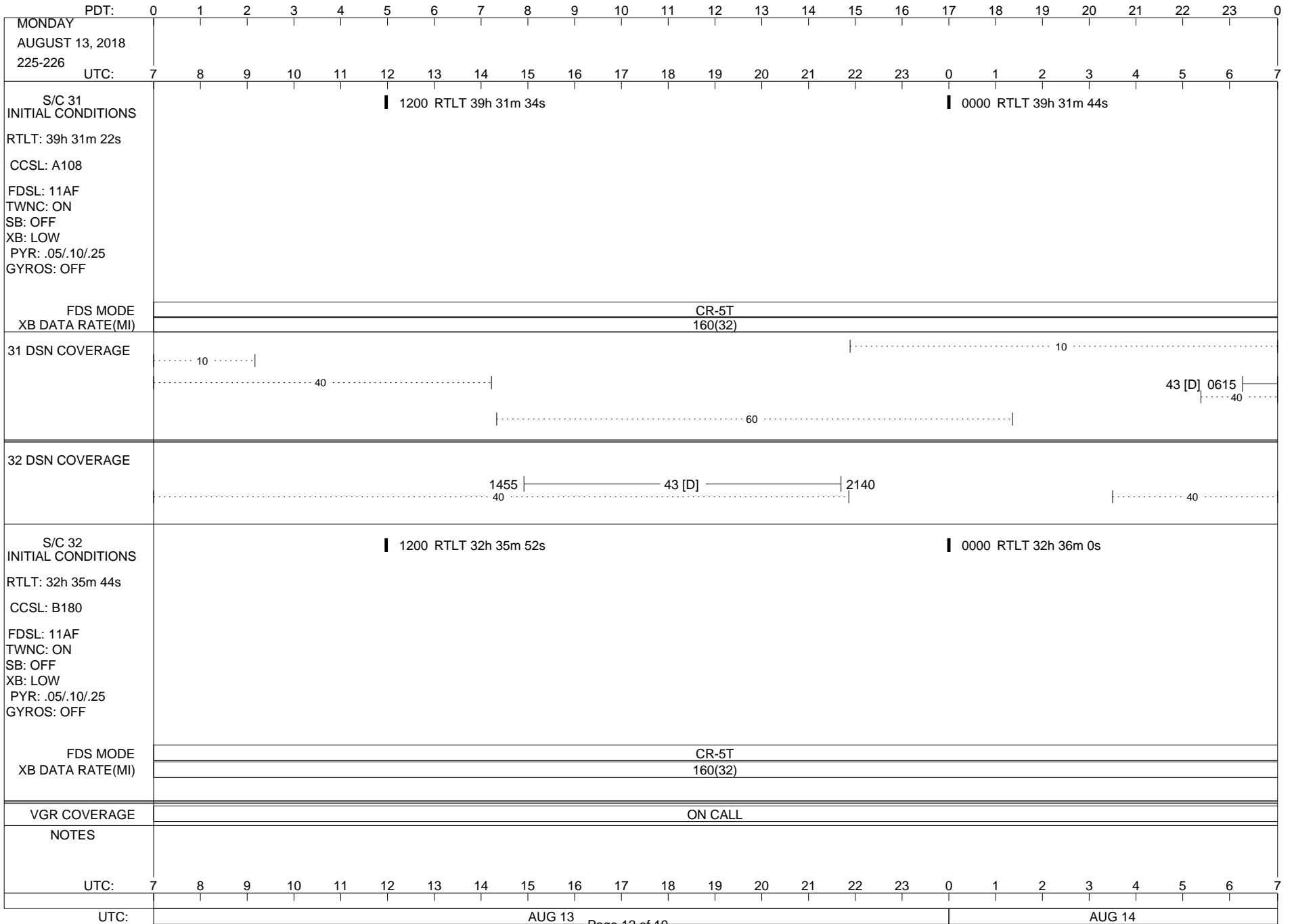
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SATURDAY AUGUST 11, 2018 223-224																									
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S/C 31 INITIAL CONDITIONS RTLT: 39h 30m 38s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 30m 48s												0000 RTLT 39h 31m 0s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	.....10 .....|												|.....10 .....0410 |-----14 [D] -----											
	.....40 .....|												|.....40											
	|.....60 .....												|.....60											
32 DSN COVERAGE	|-----43 [o] -----| 0700 - 1115												|.....40											
	|.....40 .....												|.....40											
S/C 32 INITIAL CONDITIONS RTLT: 32h 35m 14s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 35m 22s												| 0000 RTLT 32h 35m 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
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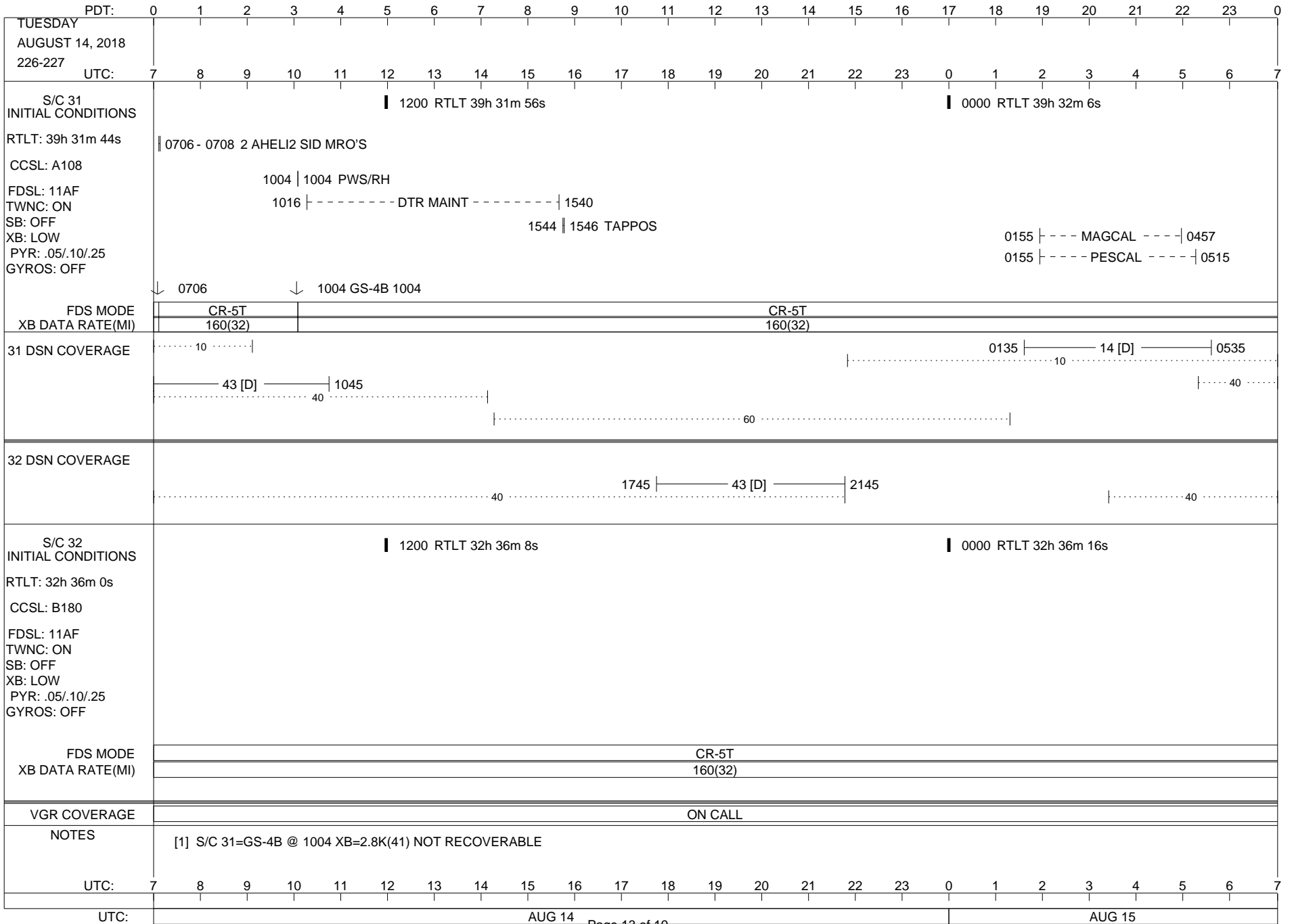
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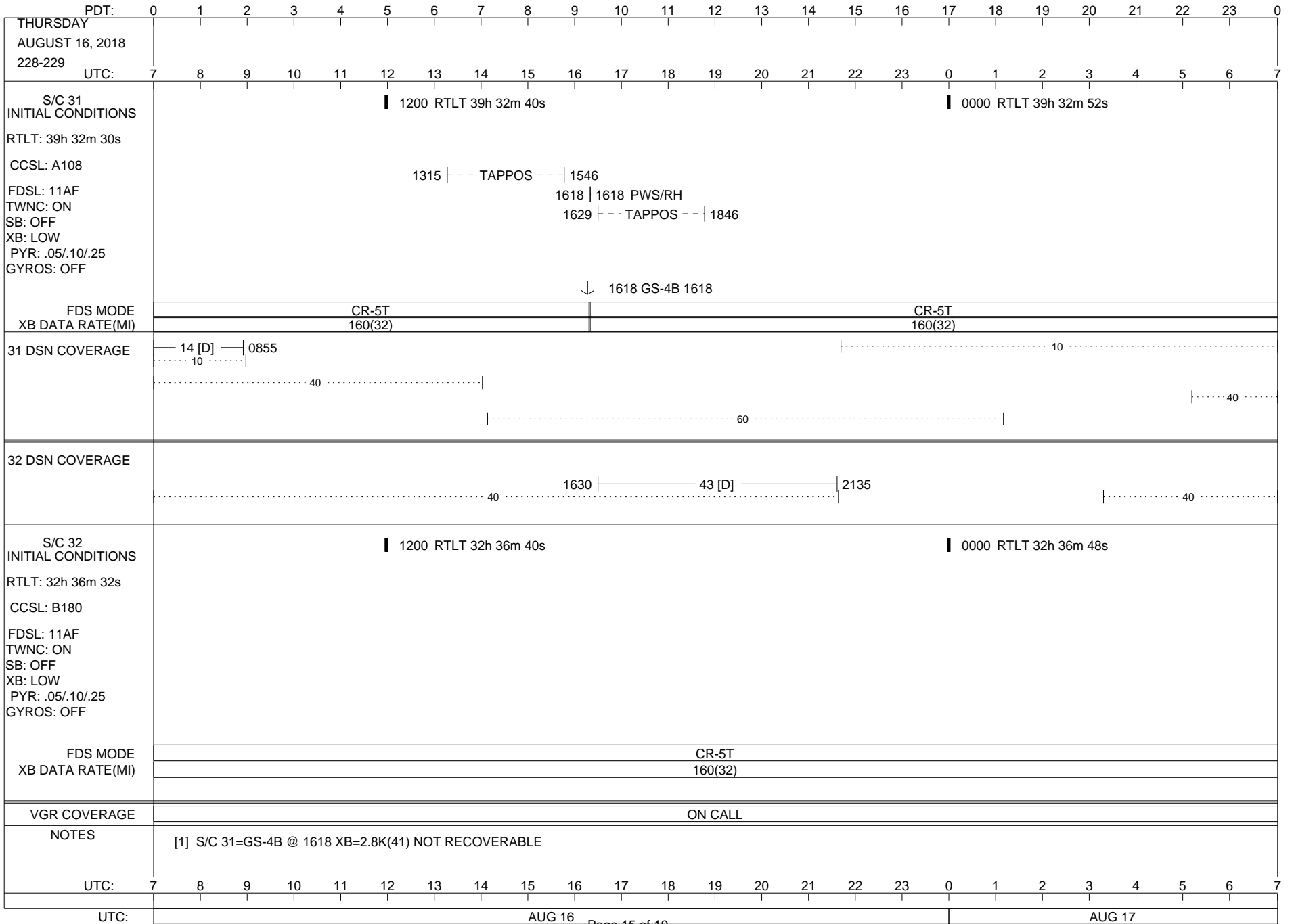
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WEDNESDAY AUGUST 15, 2018 227-228																												
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S/C 31 INITIAL CONDITIONS RTLTL: 39h 32m 6s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 39h 32m 18s												█ 0000 RTLT 39h 32m 30s										
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	.....10.....|										|.....10.....										0455 | 14 [D] |							
	.....40.....|										|.....40.....										|.....40.....				
											|.....60.....|																	
32 DSN COVERAGE	0950 | 43 [BH] | 1350										1950 | 43 [D] | 2140										|.....40.....						
	.....40.....										|.....40.....															
S/C 32 INITIAL CONDITIONS RTLTL: 32h 36m 16s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 32h 36m 24s												█ 0000 RTLT 32h 36m 32s										
													▼ 1137 DUMMY (5 MIN BRACKETED 20:14)															
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			
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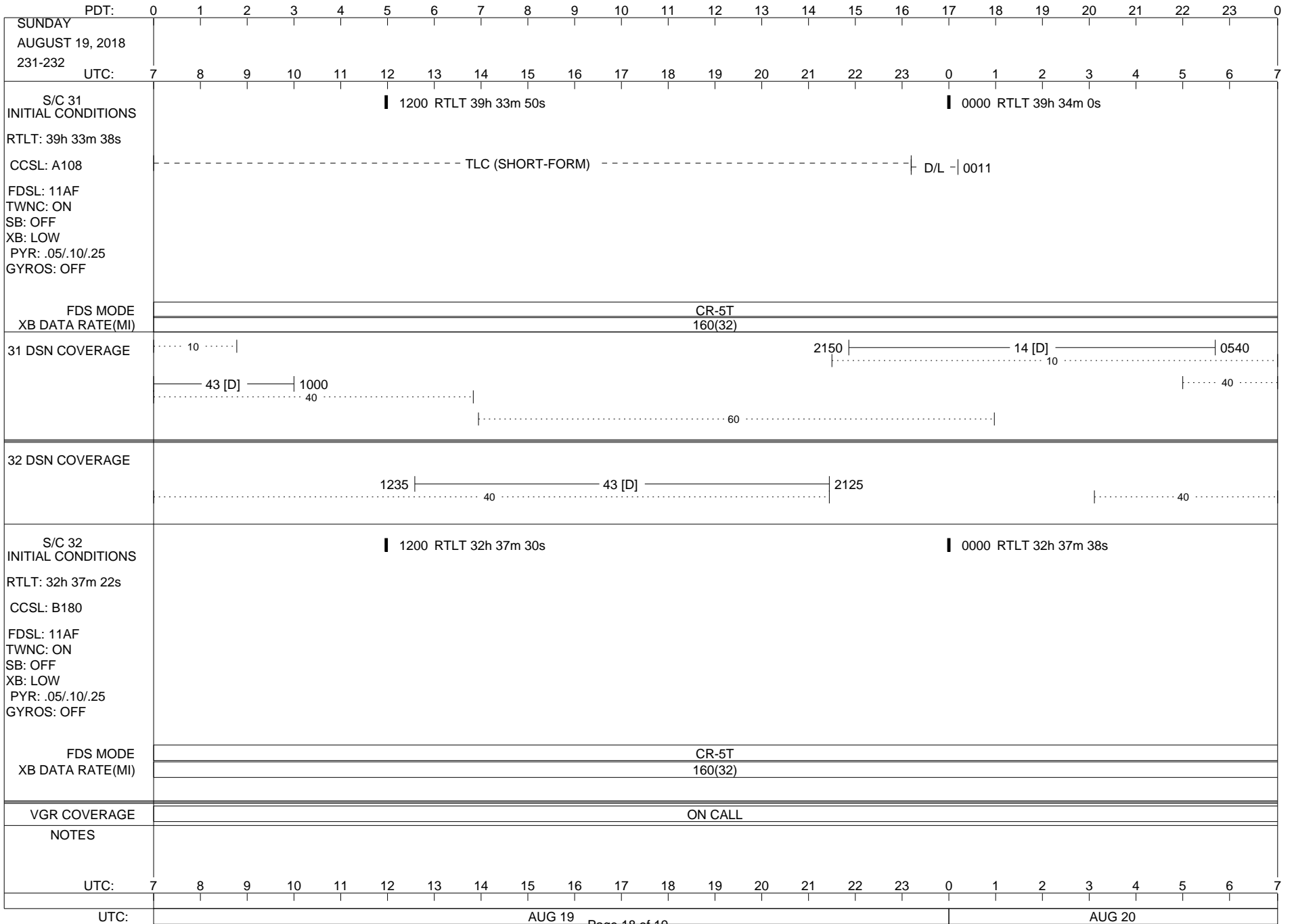


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FRIDAY																													
AUGUST 17, 2018																													
229-230																													
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS		| 1200 RTLT 39h 33m 4s											| 0000 RTLT 39h 33m 14s																
RTLT: 39h 32m 52s																													
CCSL: A108																										DUMMY (22:18) 0645▼			
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE															CR-5T														
XB DATA RATE(MI)															160(32)														
31 DSN COVERAGE		<p>..... 10 ..... | 0450 |----- 14 [T] -----</p> <p>0830 |----- 43 [D] -----| 1230 |----- 40 -----</p> <p>..... 60</p>																											
32 DSN COVERAGE		<p>..... 40 1710 |----- 43 [D] -----| 2130 |----- 40</p>																											
S/C 32 INITIAL CONDITIONS		| 1200 RTLT 32h 36m 56s											| 0000 RTLT 32h 37m 4s																
RTLT: 32h 36m 48s																													
CCSL: B180																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
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			
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SATURDAY AUGUST 18, 2018 230-231																												
S/C 31 INITIAL CONDITIONS RTLTL: 39h 33m 14s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 33m 26s												0000 RTLT 39h 33m 38s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE	<p>14 [T] 0850 |-----| 10 |-----| 10</p> <p>40 |-----| 60 |-----| 10</p> <p>0555 | 43 [D] |-----| 40</p>																											
32 DSN COVERAGE	<p>1600 |-----| 43 [D] |-----| 2000</p> <p>40 |-----| 40</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 32h 37m 4s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 37m 14s												0000 RTLT 32h 37m 22s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	ON CALL																											
NOTES	[1] S/C 31=GS-4B @ 1917 XB=2.8K(41) NOT RECOVERABLE																											
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: 08/04/18 20:55



ISSUE DATE: 08/04/18 20:55

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 20, 2018 232-233																											
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: 39h 34m 0s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 39h 34m 12s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	..... 10 .....|										2130 |—— 14 [D] ——| 2345																
	.....40.....|																										
32 DSN COVERAGE																											
	.....40.....|										1500 |—— 43 [D] ——| 2120																
S/C 32 INITIAL CONDITIONS RTLT: 32h 37m 38s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 37m 48s																										
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 20													AUG 21													