

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: August 15, 2018

For the Period: 08/16/18 to 09/03/18 (18/228 – 18/246)

DSN OPSCHIEF **230-102**

SCIENCE

FLIGHT TEAM

600-100

DSOT **230-102**

CRS bryant@mail630.gsfc.nasa.gov
 LECP r.decker@jhuapl.edu
 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

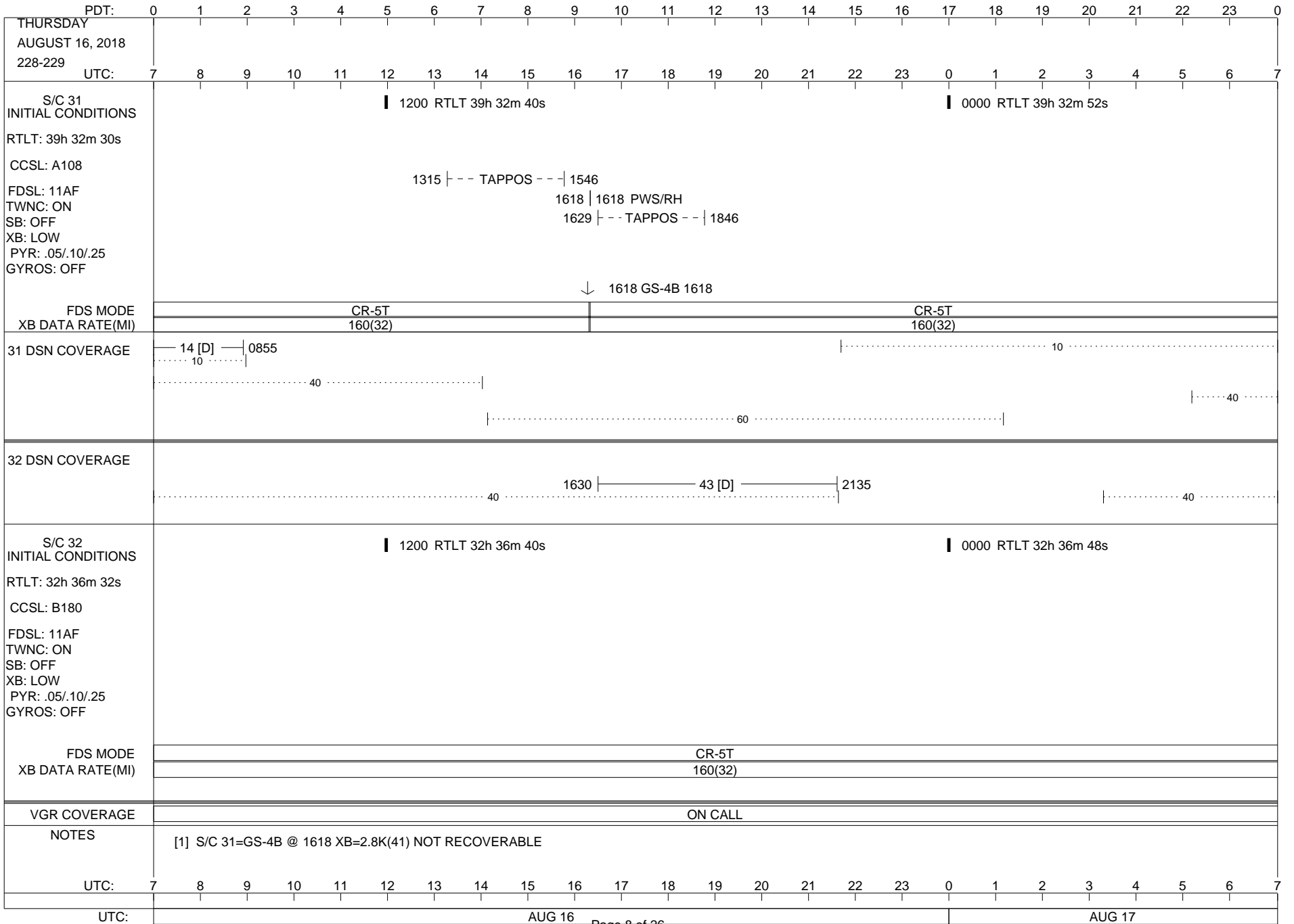
Dodd, S.
 Hall, J.
 Howard, S.
 Ko, A.
 Ledeboer, W.
 Ludwig, R.
 Matsumoto, S.
 Medina, E.
 Peralta, F.
 Weeks, T.
 Yang, L.

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

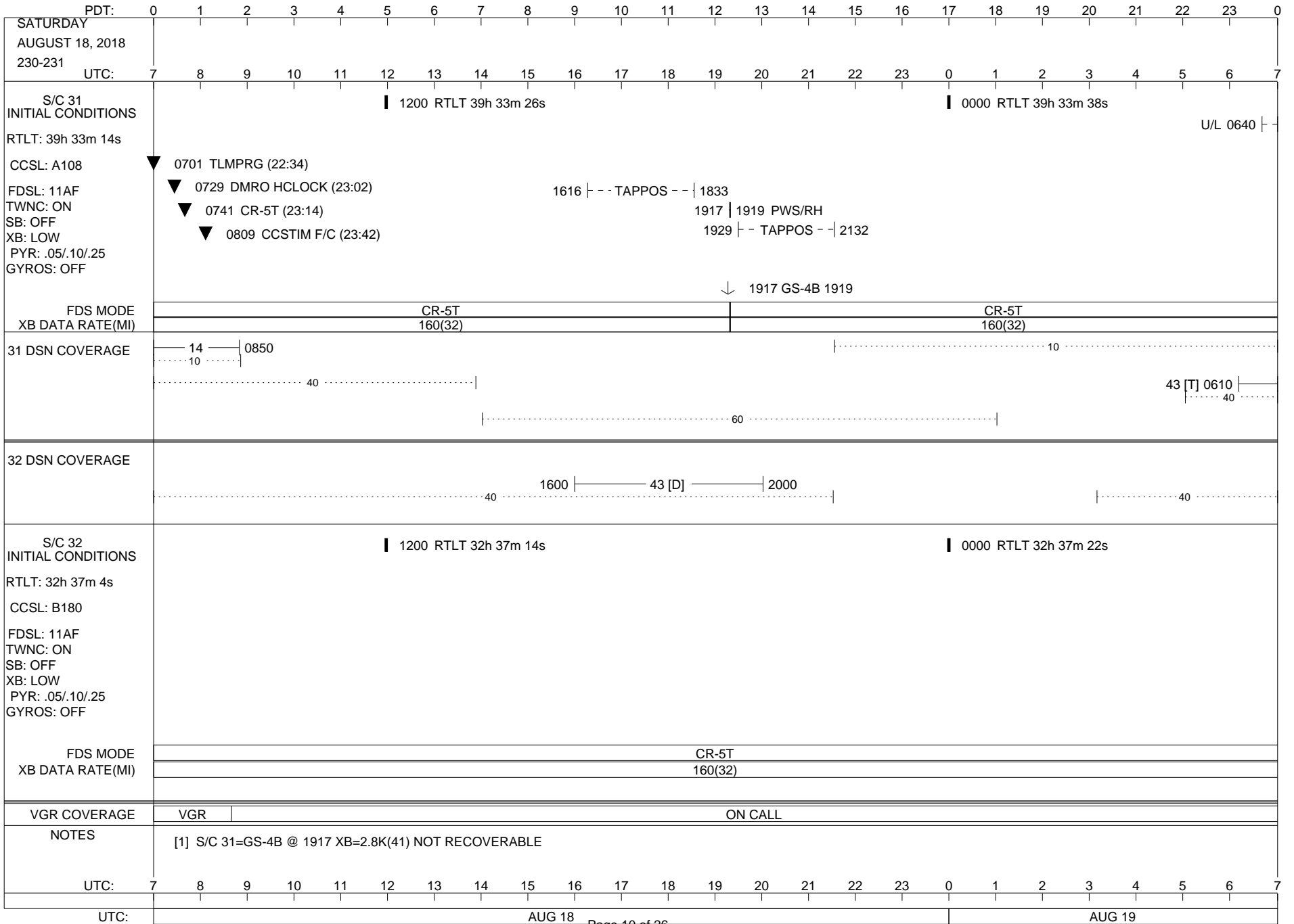
ISSUE DATE: 08/22/18 11:35

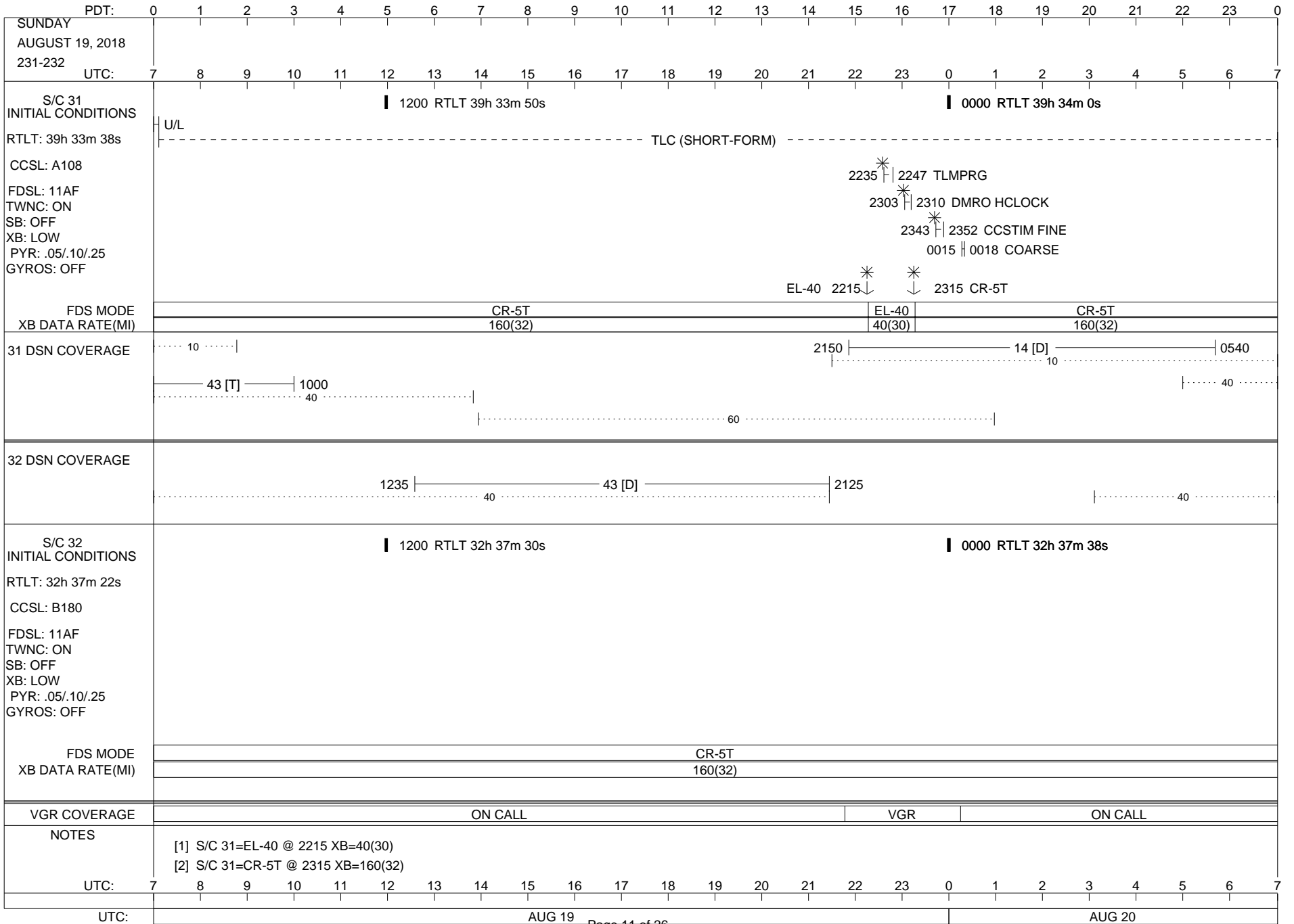


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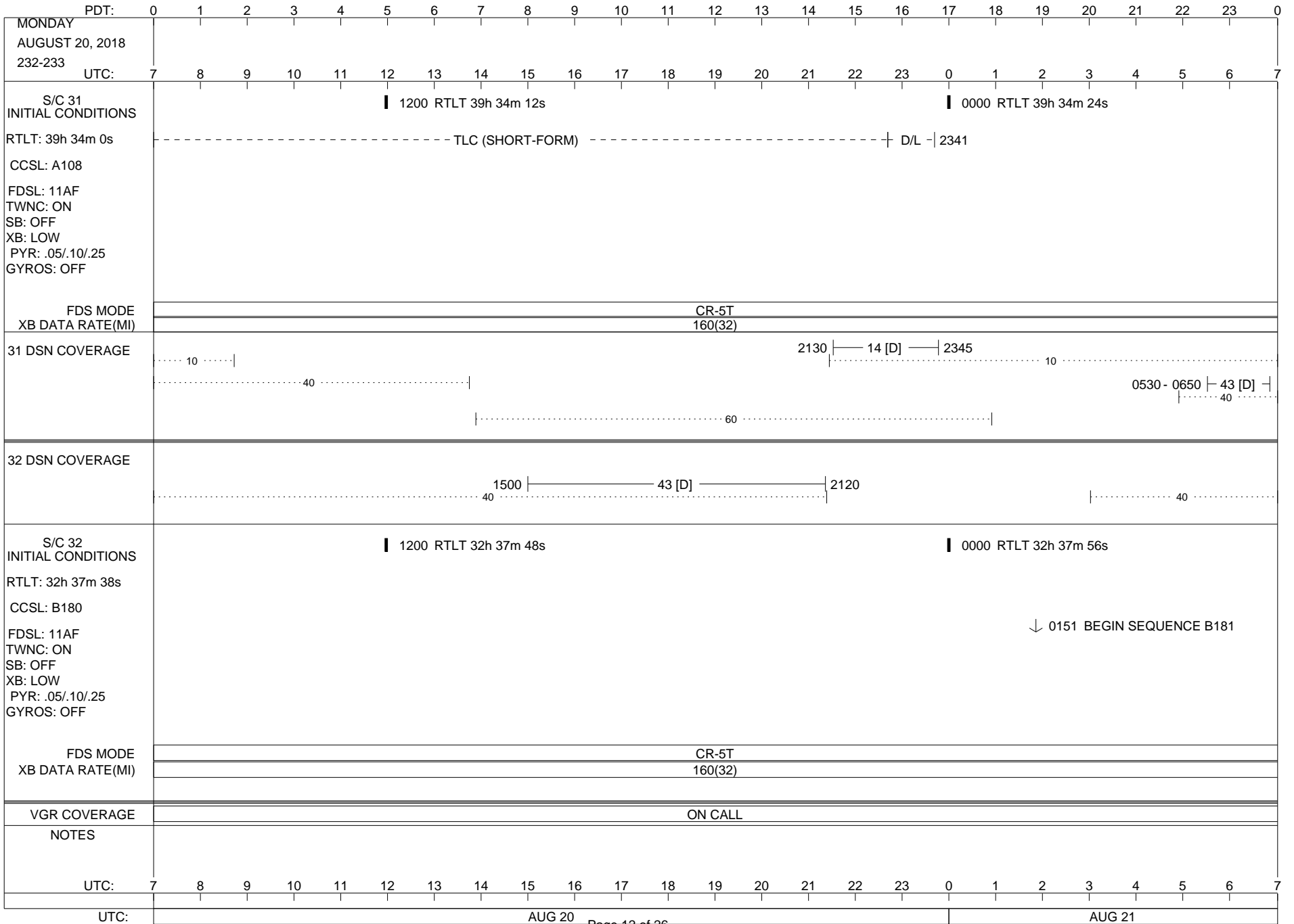
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FRIDAY AUGUST 17, 2018 229-230																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 32m 52s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 39h 33m 4s												█ 0000 RTLT 39h 33m 14s							
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 32h 36m 48s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 32h 36m 56s												█ 0000 RTLT 32h 37m 4s							
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
UTC:																									

ISSUE DATE: 08/22/18 11:35



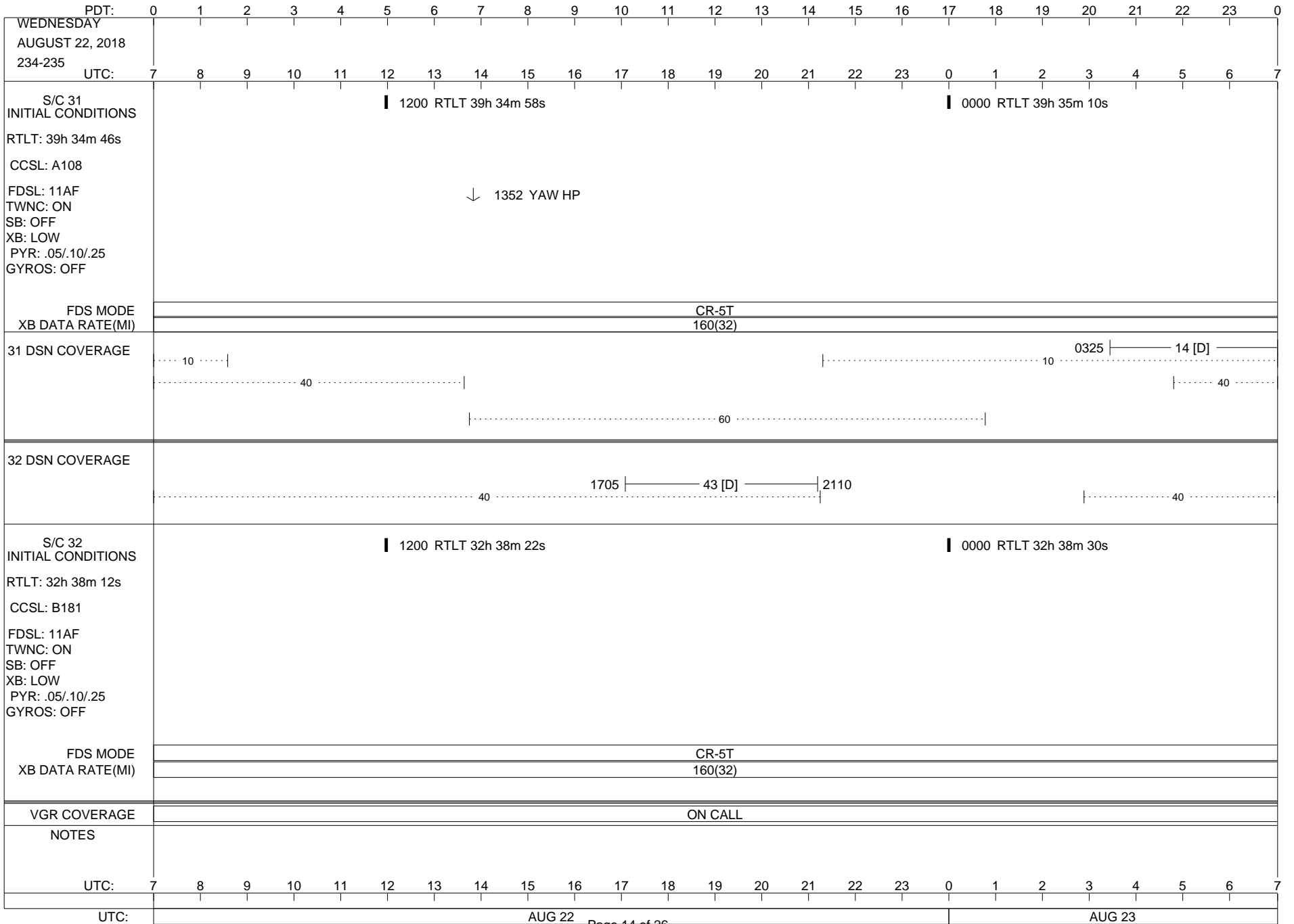


ISSUE DATE: 08/22/18 11:35



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TUESDAY AUGUST 21, 2018 233-234	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: 39h 34m 24s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 39h 34m 36s												0000 RTLTL 39h 34m 46s												
	0941 | 0942 PWS/RH																								
	↓ 0941 GS-4B 0942																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	..... 10 ..... |												0000 |----- 14 [D] -----| 0400 |----- 10 -----|												
	..... 40 ..... |												|----- 40 -----|												
	|----- 60 -----|																								
32 DSN COVERAGE	1050 |----- 43 [B] -----| 1450												1900 |----- 43 [D] -----| 2115 |----- 40 -----|												
	|----- 40 -----|												|----- 40 -----|												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 37m 56s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 32h 38m 4s												0000 RTLTL 32h 38m 12s												
	1103 | PLSCAL - | 1245																								
	1103 |--- MAGCAL ---| 1405																								
	1103 |--- PESCAL ---| 1423																								
	▼ 1132 DUMMY (5 MIN BRACKETED 20:11)																								
	↓ 1922 IMPLEMENT ECR 201639																								
	1955 | - | 2027 SHUNT POWER TEST																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL				VGR				ON CALL																
NOTES	[1] S/C 31=GS-4B @ 0941 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 21												AUG 22												

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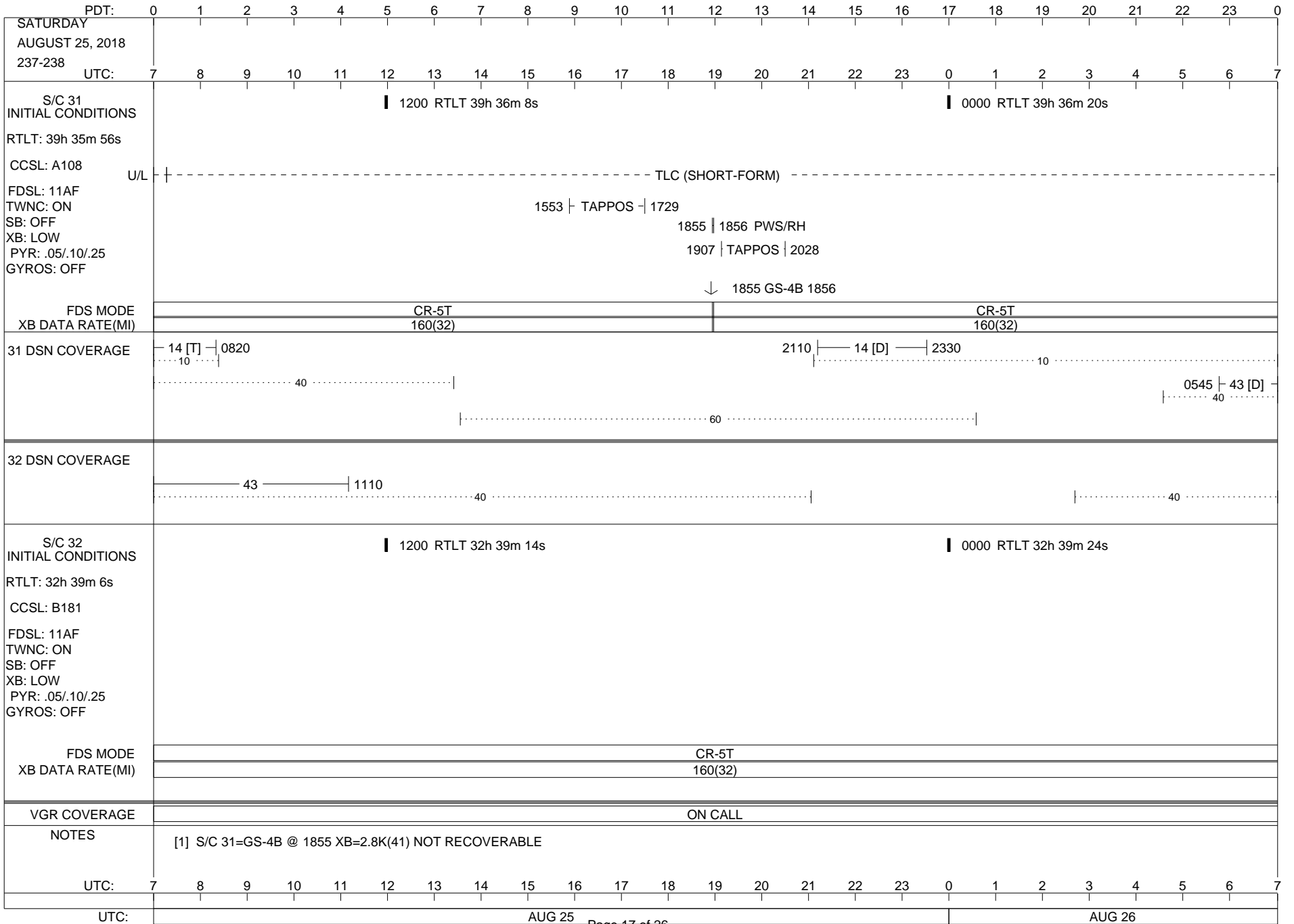
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THURSDAY AUGUST 23, 2018 235-236																									
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S/C 31 INITIAL CONDITIONS RTLT: 39h 35m 10s CCSL: A108 FDLS: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 35m 22s 1253 - TAPPOS - 1442 1555 1556 PWS/RH 1606 TAPPOS - 1742 ↓ 1554 GS-4B 1556												0000 RTLT 39h 35m 32s ↓ 0055 BAY 1 HTR OFF ↓ 0055 GYROS BC ON ↓ 0139 ALL DB=.IS ↓ 0155 AAI 0156 - 0229 ASCAL ↓ 0230 RAI ↓ 0233 CRU ↓ 0233 GYROS OFF ↓ 0242 YAW=.10 ↓ 0242 ROLL=.25 ↓ 0242 BAY 1 HTR ON ↓ 0246 0058 ↓												
FDS MODE	CR-5T						CR-5T						EL-40			CR-5T									
XB DATA RATE(MI)	160(32)						160(32)						40(30)			160(32)									
31 DSN COVERAGE	14 [D] | 0800 .....10.....| .....40.....| .....60.....|												0020 |-----14 [D]-----| 0505 .....10.....| .....43 [D] 0655 | .....40.....|												
32 DSN COVERAGE	.....40.....|												1705 |-----43 [D]-----| 2105 .....40.....|												
S/C 32 INITIAL CONDITIONS RTLT: 32h 38m 30s CCSL: B181 FDLS: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 38m 40s												0000 RTLT 32h 38m 48s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL												VGR			ON CALL									
NOTES	[1] S/C 31=GS-4B @ 1554 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=EL-40 @ 0058 XB=40(30)												[3] S/C 31=D/L AGC/SNR VARIATIONS EXPECTED DURING ASCAL (0156-0229) [4] S/C 31=CR-5T @ 0246 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 23												AUG 24												

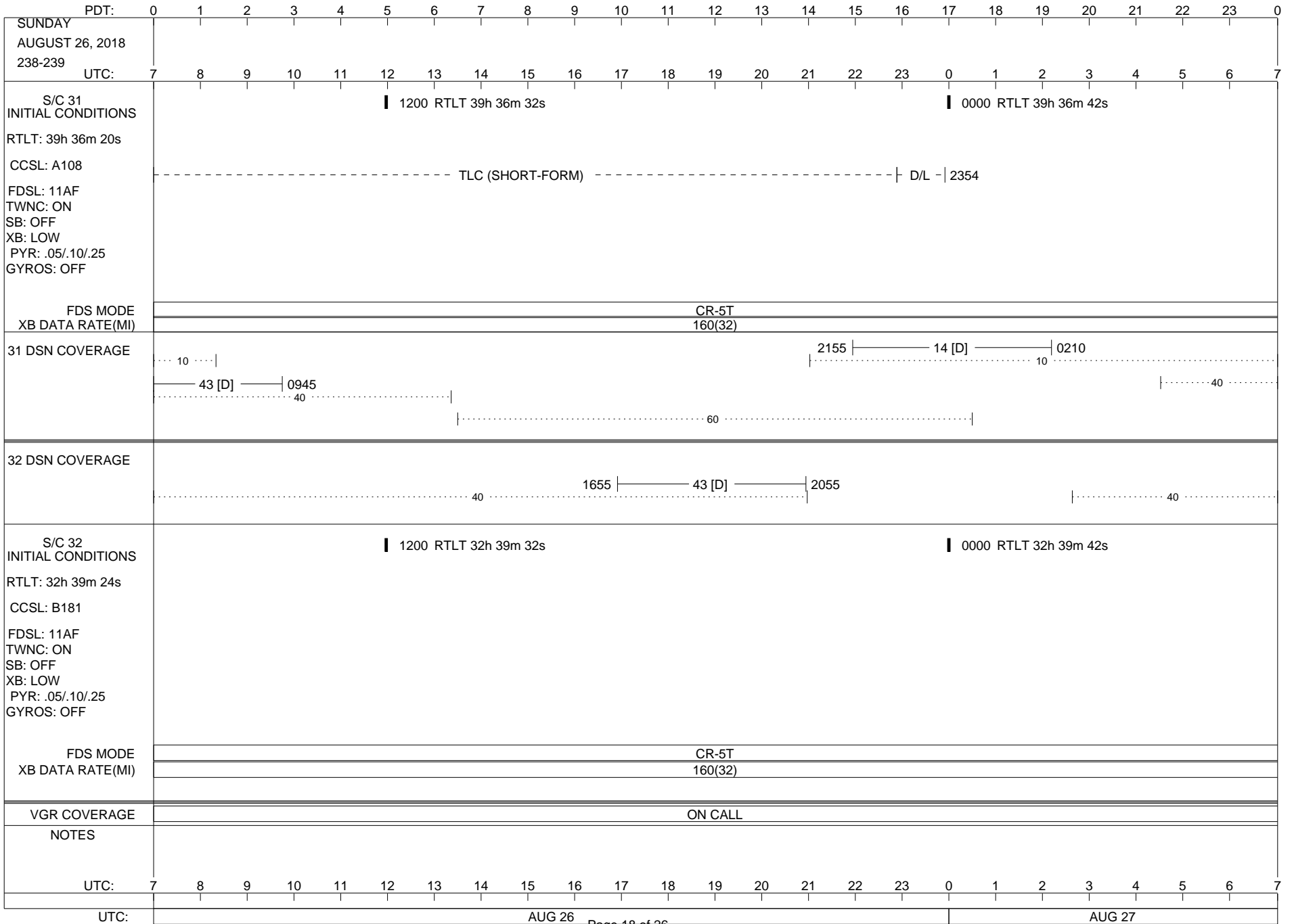
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PDT:		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0		
FRIDAY																												
AUGUST 24, 2018																												
236-237																												
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS		| 1200 RTLT 39h 35m 44s												| 0000 RTLT 39h 35m 56s														
RTLT: 39h 35m 32s																							DUMMY (22:01) 0625 ▼					
CCSL: A108																							U/L 0650 |					
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																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS		| 1200 RTLT 32h 38m 56s												| 0000 RTLT 32h 39m 6s														
RTLT: 32h 38m 48s																												
CCSL: B181																												
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		
UTC:		AUG 24															AUG 25											

ISSUE DATE: 08/22/18 11:35



ISSUE DATE: 08/22/18 11:35



ISSUE DATE: 08/22/18 11:35

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 27, 2018 239-240																									
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 36m 42s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 39h 36m 54s												| 0000 RTLT 39h 37m 6s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	.....10.....|												|.....10.....											
	.....40.....|												|.....40.....											
	|.....60.....|												|.....40.....|												
32 DSN COVERAGE	.....40.....												1650 |-----43 [D]-----| 2050											
	|.....40.....												|.....40.....											
S/C 32 INITIAL CONDITIONS RTLT: 32h 39m 42s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 39m 50s												| 0000 RTLT 32h 40m 0s												
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 27												AUG 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			
TUESDAY AUGUST 28, 2018 240-241																												
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: 39h 37m 6s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 39h 37m 18s												█ 0000 RTLTL 39h 37m 30s															
	0918 | 0919 PWS/RH																											
	↓ 0918 GS-4B 0919																											
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	.....10.....|												|.....2310|-----14 [D]-----|0400													
	|-----43 [D]-----|1030												|-----40-----|															
	|-----40-----|												|-----60-----|															
32 DSN COVERAGE	1130 |-----43 [B]-----|1530												1850 |-----43 [D]-----|2050															
	|-----40-----|												|-----40-----|															
S/C 32 INITIAL CONDITIONS RTLTL: 32h 40m 0s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 32h 40m 10s												█ 0000 RTLTL 32h 40m 18s															
	▼ 1147 DUMMY (5 MIN BRACKETED 20:28)																											
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
VGR COVERAGE	ON CALL				VGR				ON CALL																			
NOTES	[1] S/C 31=GS-4B @ 0918 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 28														AUG 29													

ISSUE DATE: 08/22/18 11:35

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 29, 2018 241-242																										
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 37m 30s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 39h 37m 42s												| 0000 RTLT 39h 37m 54s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	| 10 ... |												| 0330 | 14 [D] |													
	| 40 |												| 40 |													
	| 60 |												| 60 |													
32 DSN COVERAGE	| 40 |												| 1530 | 43 [D] | 2040 |													
	| 40 |												| 40 |													
S/C 32 INITIAL CONDITIONS RTLT: 32h 40m 18s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 40m 28s												| 0000 RTLT 32h 40m 38s													
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 29													AUG 30												

ISSUE DATE: 08/22/18 11:35

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 AUGUST 30, 2018 242-243	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 37m 54s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 38m 4s												0000 RTLT 39h 38m 16s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] | 0800.....10.....|												0340 |-----14 [T]----- |-----10-----|												
32 DSN COVERAGE	1240 |-----43 [D]-----| 2040.....40.....|												|-----40-----|												
S/C 32 INITIAL CONDITIONS RTLT: 32h 40m 38s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 40m 46s												0000 RTLT 32h 40m 56s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL																				VGR				
NOTES	[1] S/C 31=GS-4B @ 1532 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 30												AUG 31												

ISSUE DATE: 08/22/18 11:35

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
FRIDAY AUGUST 31, 2018 243-244	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 38m 16s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 38m 28s												0000 RTLT 39h 38m 40s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	14 [T] | 0755.....10.....| .....40.....|												0315 |-----14 [D]----- |-----10-----| |-----40-----|												
32 DSN COVERAGE	.....40.....|												1625 |-----43 [D]-----| 2035 |-----40-----|												
S/C 32 INITIAL CONDITIONS RTLT: 32h 40m 56s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 41m 6s												0000 RTLT 32h 41m 16s												
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 31												SEP 01												

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 SEPTEMBER 2, 2018 245-246																										
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: 39h 39m 4s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 39h 39m 16s												| 0000 RTLTL 39h 39m 28s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
31 DSN COVERAGE	|-----|												|-----|													
32 DSN COVERAGE	|-----|												|-----|													
S/C 32 INITIAL CONDITIONS RTLTL: 32h 41m 34s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 32h 41m 44s												| 0000 RTLTL 32h 41m 54s													
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:	SEP 02												SEP 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		
MONDAY SEPTEMBER 3, 2018 246-247																											
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 39m 28s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">| 1200 RTLT 39h 39m 40s</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<p>0745 14 [D]</p> <p>.....40.....</p> <p>.....60.....</p>																										
32 DSN COVERAGE	<p>.....40.....1625 |-----43 [D]-----| 2025</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 32h 41m 54s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">| 1200 RTLT 32h 42m 4s</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE	ON CALL																										
NOTES	<p>JPL HOLIDAY!</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:	SEP 03													SEP 04													