

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: May 2, 2018

For the Period: 05/03/18 to 05/20/18 (18/123 – 18/140)

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: 05/02/18 07:27

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 MAY 3, 2018 123-124																									
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 9m 20s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 9m 22s												0000 RTLT 39h 9m 22s												
	1904 - 1930 TAPPOS												2205 2207 PWS/RH												
	TLC (SHORT-FORM) D/L - 0852												2217 - 2230 TAPPOS												
													↓ 2205 GS-4B 2207												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 0915												14 [DA] 0700												
	10												24 [DAR] 0700												
	40												26 [DA] 0700												
	60												10												
32 DSN COVERAGE	1025 43 [D] 1425																								
	40																								
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 40s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 27m 38s												0000 RTLT 32h 27m 36s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 2205 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:	MAY 03												MAY 04												

ISSUE DATE: 05/02/18 07:27

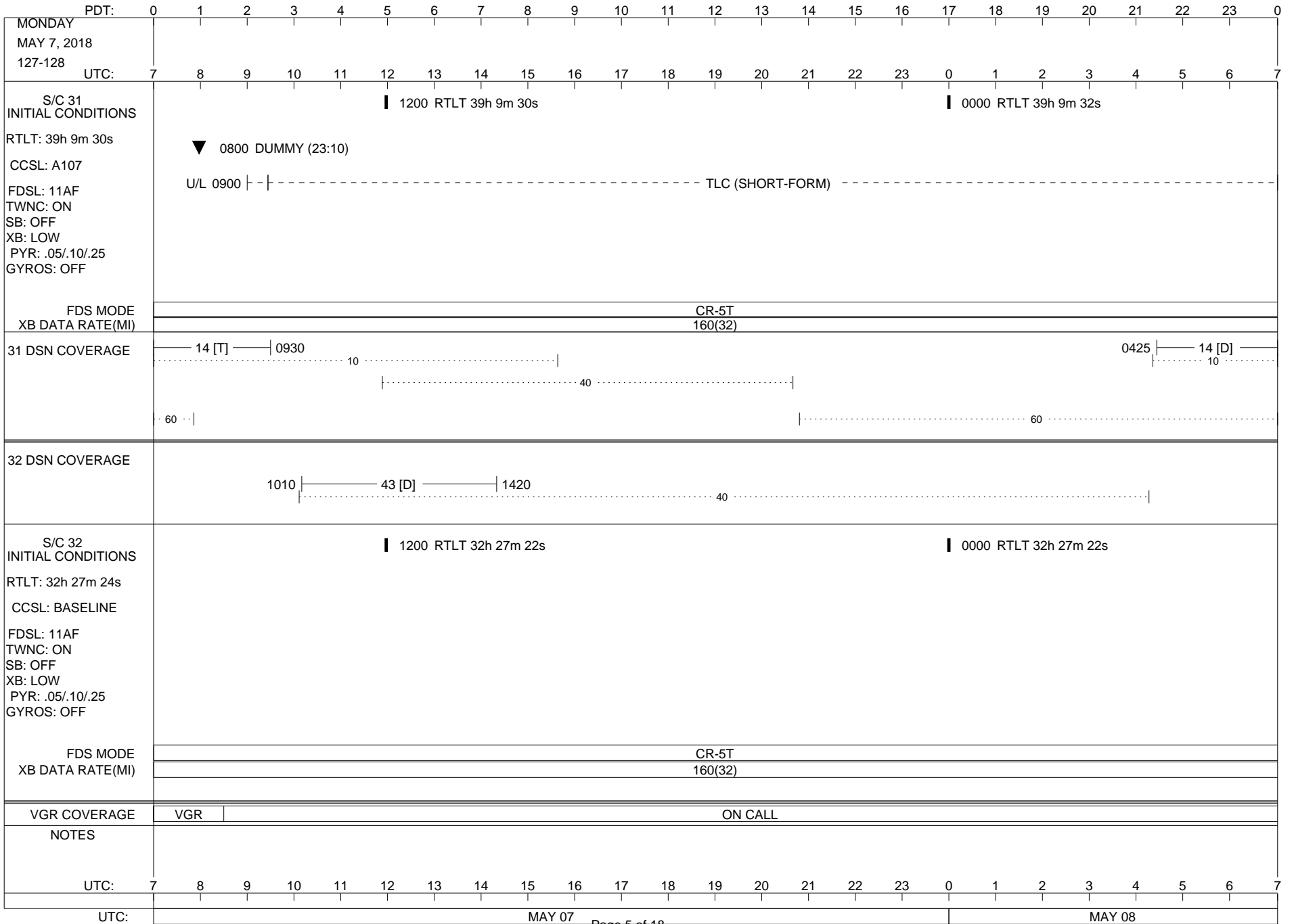
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FRIDAY	MAY 4, 2018																																																																																																																																																																								
124-125	UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7																																																																																																																																																																								
S/C 31 INITIAL CONDITIONS	1200 RTLT 39h 9m 24s											0000 RTLT 39h 9m 24s																																																																																																																																																													
RTLT: 39h 9m 22s	↓ 0801 BAY 1 HTR OFF																																																																																																																																																																								
CCSL: A107	↓ 0801 GYROS BC ON																																																																																																																																																																								
FDSL: 11AF	↓ 0802 GYRO INIT																																																																																																																																																																								
TWNC: ON	↓ 0811 GYRO FAULT TEST																																																																																																																																																																								
SB: OFF	0901 ----- 1022 MAGROL (RI)																																																																																																																																																																								
XB: LOW	↓ 1022 GYROS OFF																																																																																																																																																																								
PYR: .05/.10/.25	↓ 1022 CRU																																																																																																																																																																								
GYROS: OFF	↓ 1031 BAY 1 HTR ON																																																																																																																																																																								
	↓ 0804 EL-40 0805																																																																																																																																																																								
FDS MODE	CR-5T																				CR-5T																																																																																																																																																				
XB DATA RATE(MI)	160(32)																				160(32)																																																																																																																																																				
31 DSN COVERAGE	<table border="1"> <tr> <td>14 [DA]</td> <td colspan="2">0700 - 1100</td> <td colspan="19"></td> <td>0435</td> <td colspan="2">14 [D]</td> </tr> <tr> <td>24 [DAR]</td> <td colspan="2">0700 - 1100</td> <td colspan="19"></td> <td colspan="2"></td> </tr> <tr> <td>26 [DA]</td> <td colspan="2">0700 - 1100</td> <td colspan="19"></td> <td colspan="2"></td> </tr> <tr> <td colspan="3"></td> <td>10</td> <td colspan="19"></td> <td>10</td> <td colspan="2"></td> </tr> <tr> <td colspan="3"></td> <td>60</td> <td colspan="19"></td> <td>40</td> <td colspan="19"></td> <td>60</td> </tr> </table>																										14 [DA]	0700 - 1100																					0435	14 [D]		24 [DAR]	0700 - 1100																							26 [DA]	0700 - 1100																										10																				10						60																				40																				60
14 [DA]	0700 - 1100																					0435	14 [D]																																																																																																																																																		
24 [DAR]	0700 - 1100																																																																																																																																																																								
26 [DA]	0700 - 1100																																																																																																																																																																								
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			60																				40																				60																																																																																																																														
32 DSN COVERAGE	<table border="1"> <tr> <td>1035</td> <td colspan="2">43 [Ho]</td> <td colspan="19"></td> <td>1420</td> <td colspan="2"></td> </tr> <tr> <td colspan="3"></td> <td colspan="19"></td> <td>40</td> <td colspan="2"></td> </tr> </table>																										1035	43 [Ho]																					1420																									40																																																																																															
1035	43 [Ho]																					1420																																																																																																																																																			
																						40																																																																																																																																																			
S/C 32 INITIAL CONDITIONS	1200 RTLT 32h 27m 34s											0000 RTLT 32h 27m 32s																																																																																																																																																													
RTLT: 32h 27m 36s																																																																																																																																																																									
CCSL: BASELINE																																																																																																																																																																									
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	VGR											ON CALL																																																																																																																																																													
NOTES	<p>[1] S/C 31 = D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (0801-1022)</p> <p>[2] DSS-43 HP TXR DRV ON >= 11:45</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:	MAY 04											MAY 05																																																																																																																																																													

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 MAY 5, 2018 125-126	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 9m 24s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 9m 26s												0000 RTLT 39h 9m 28s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	0730 14 [D]										0430 14 [D]															
32 DSN COVERAGE	1745 43 [D]										2205															
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 32s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 27m 30s												0000 RTLT 32h 27m 28s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												ON CALL													
NOTES	[1] S/C 31=GS-4B @ 0105 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	
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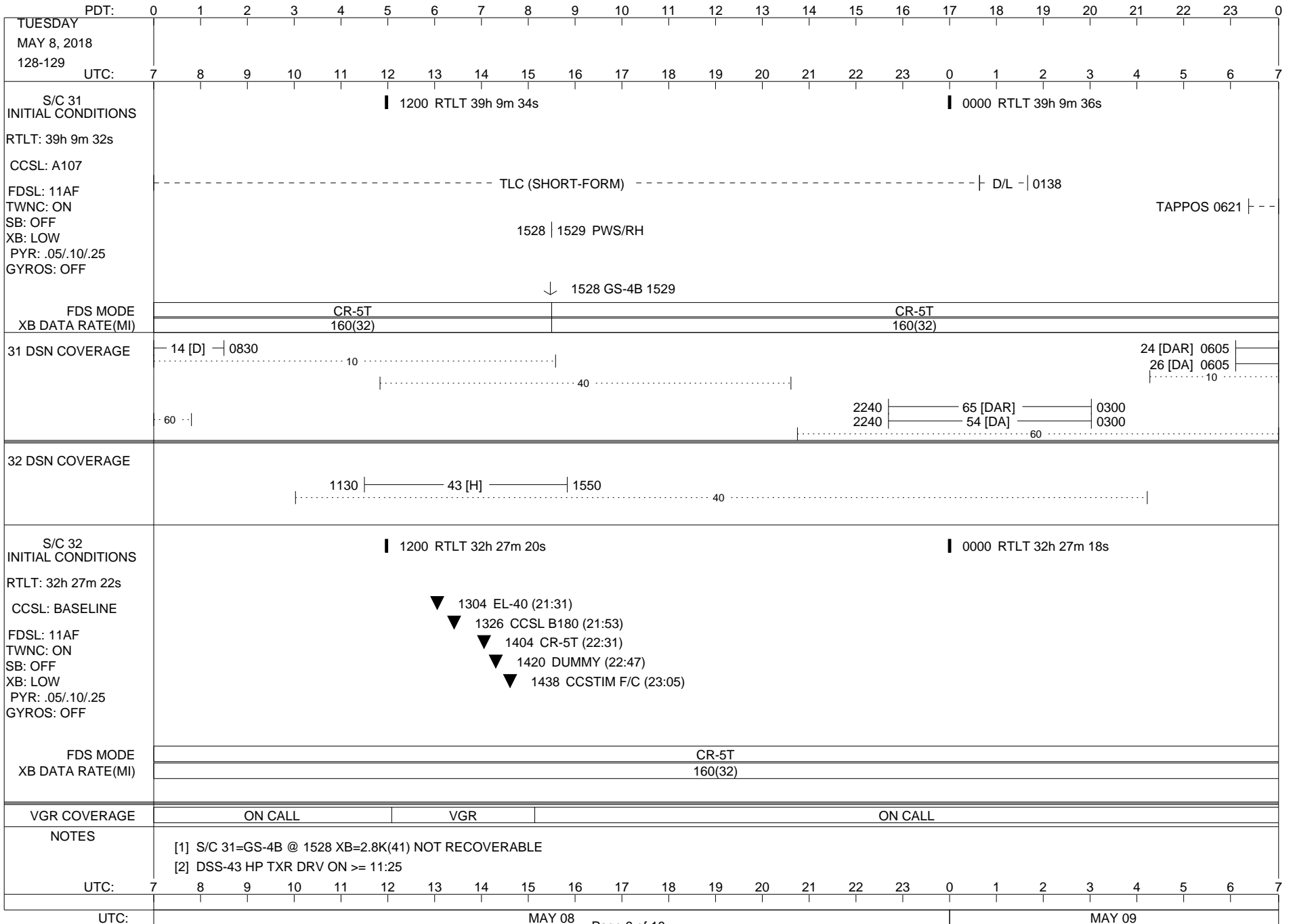
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S/C 31 INITIAL CONDITIONS RTLT: 39h 9m 28s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200															█ 0000					
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	14 [D] 0830										0430 14 [T]															
															
															
															
32 DSN COVERAGE	1015 43 [D] 1415																									
															
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 28s CCSL: BASELINE 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													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: 05/02/18 07:27



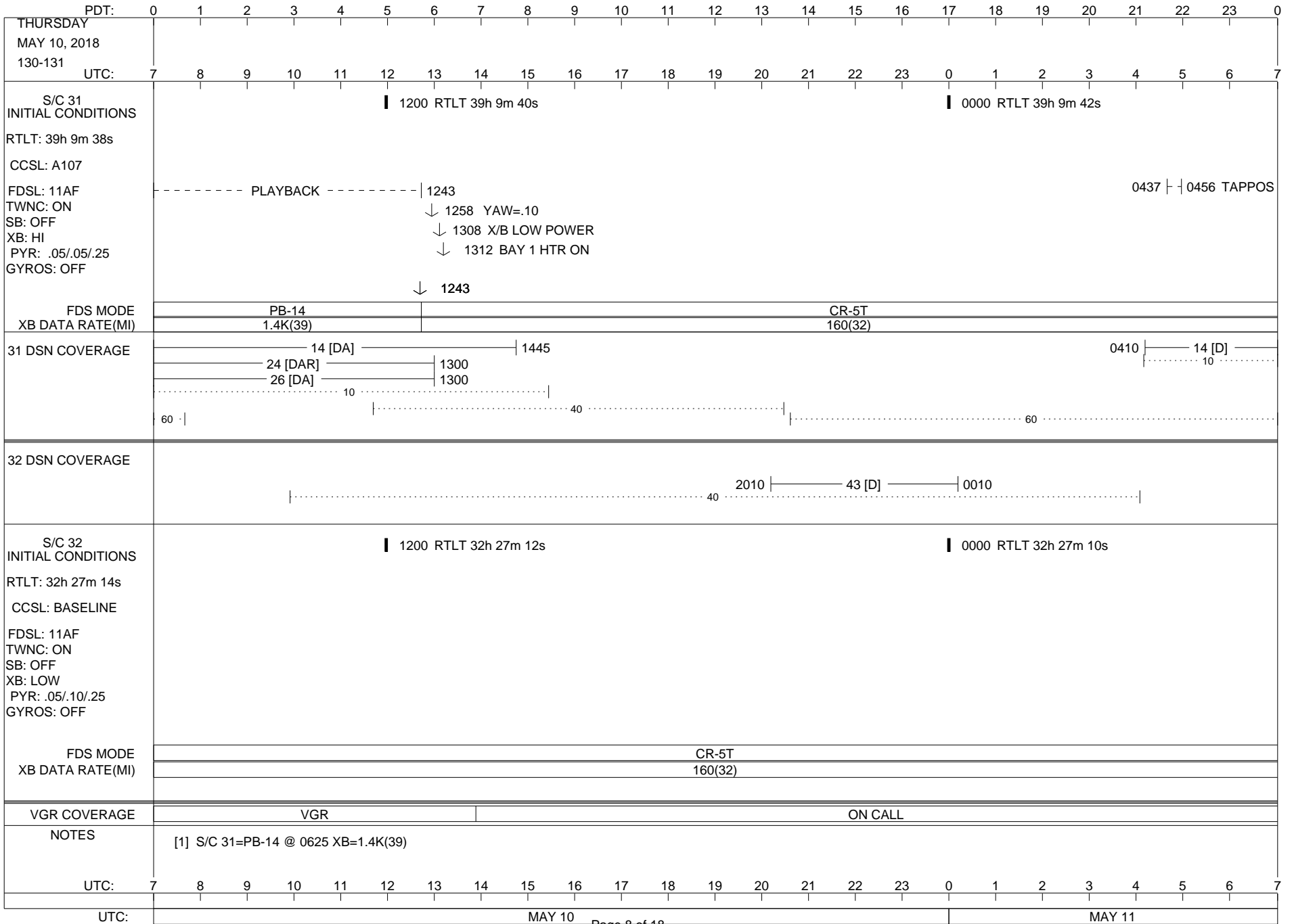
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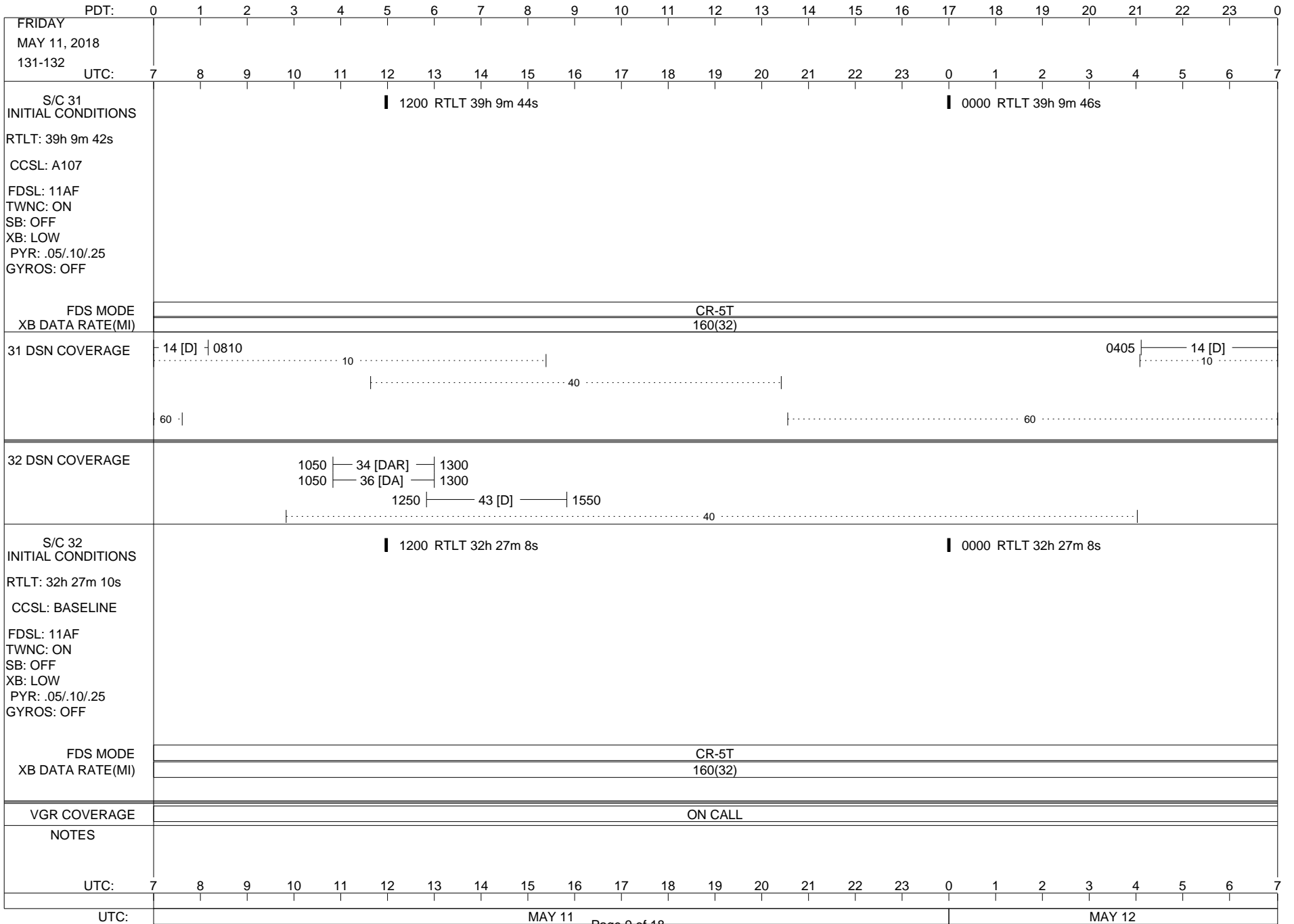
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UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
WEDNESDAY MAY 9, 2018 129-130																													
S/C 31 INITIAL CONDITIONS RTLT: 39h 9m 36s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 39h 9m 36s												0000 RTLT 39h 9m 38s															
FDS MODE		CR-5T																											
XB DATA RATE(MI)		160(32)																											
31 DSN COVERAGE		0735 24 [DAR] 0735 26 [DA]												14 [DA] 0600 24 [DAR] 0600 26 [DA] 0600 0625↓															
32 DSN COVERAGE		2050												43 [D] 0300															
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 18s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 32h 27m 16s												0000 RTLT 32h 27m 14s															
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				VGR							
NOTES		[1] S/C 31=EL-40 @ 2132 XB=40(30) [2] S/C 32=CR-5T @ 2232 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:		MAY 09														MAY 10													

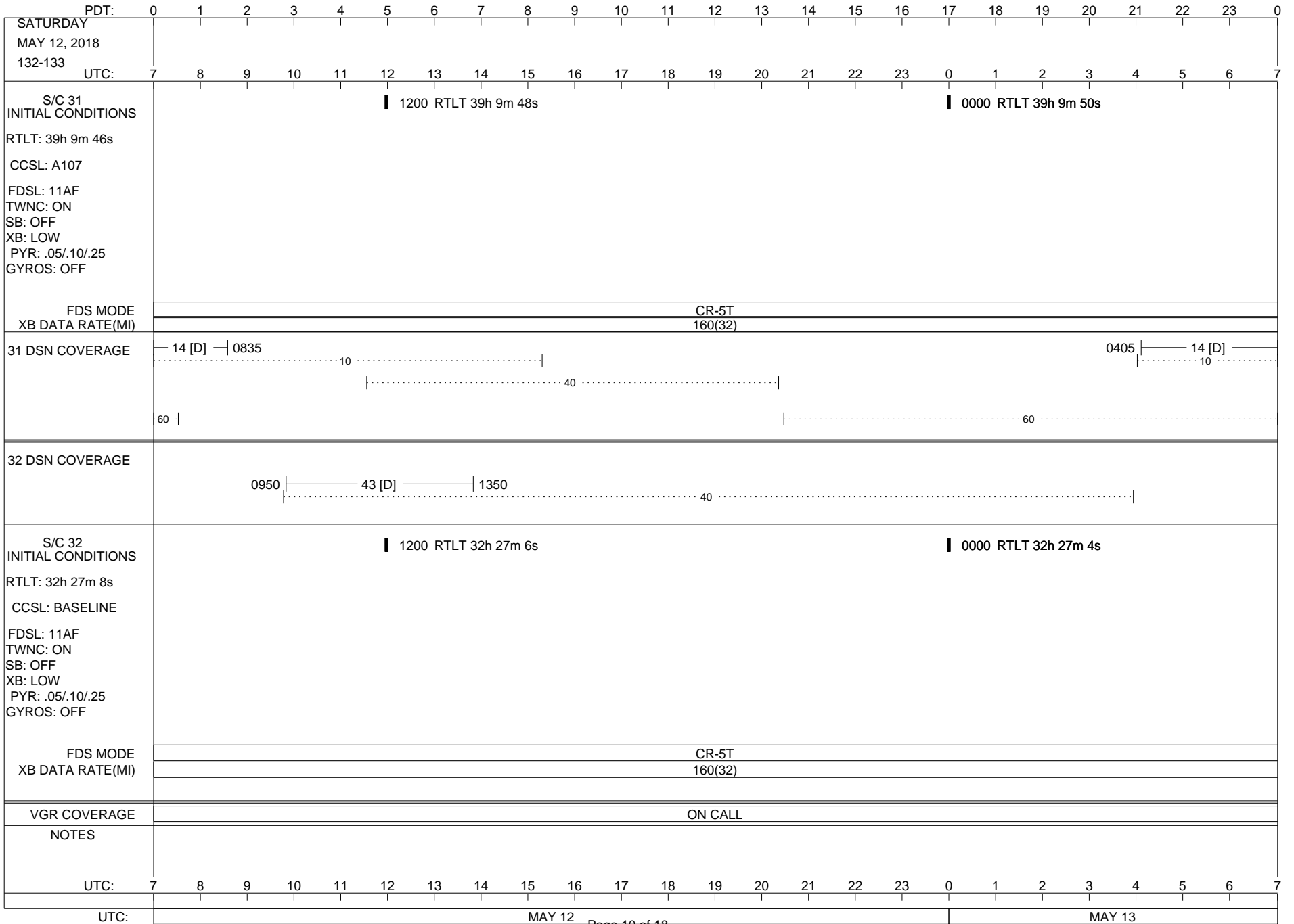
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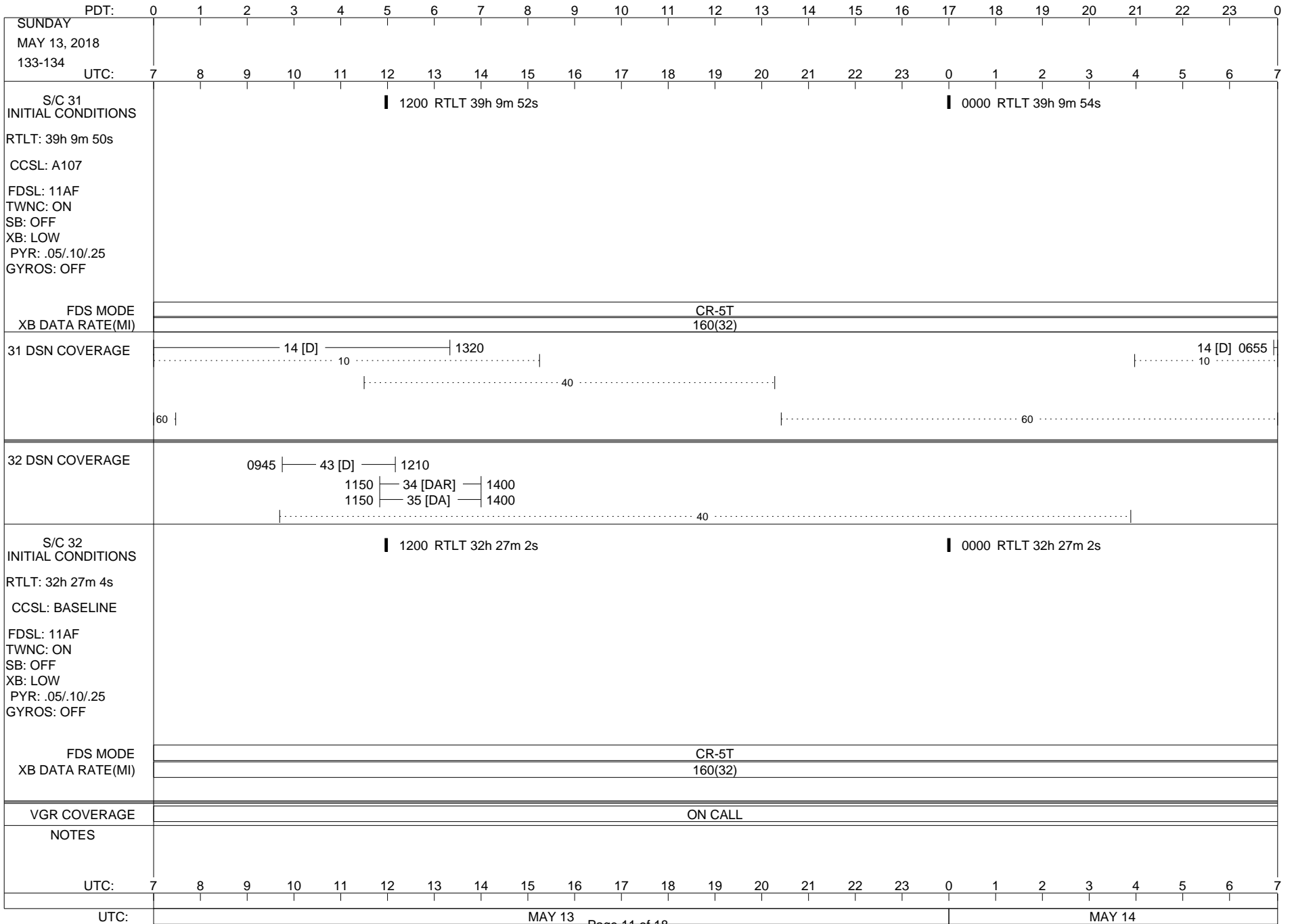
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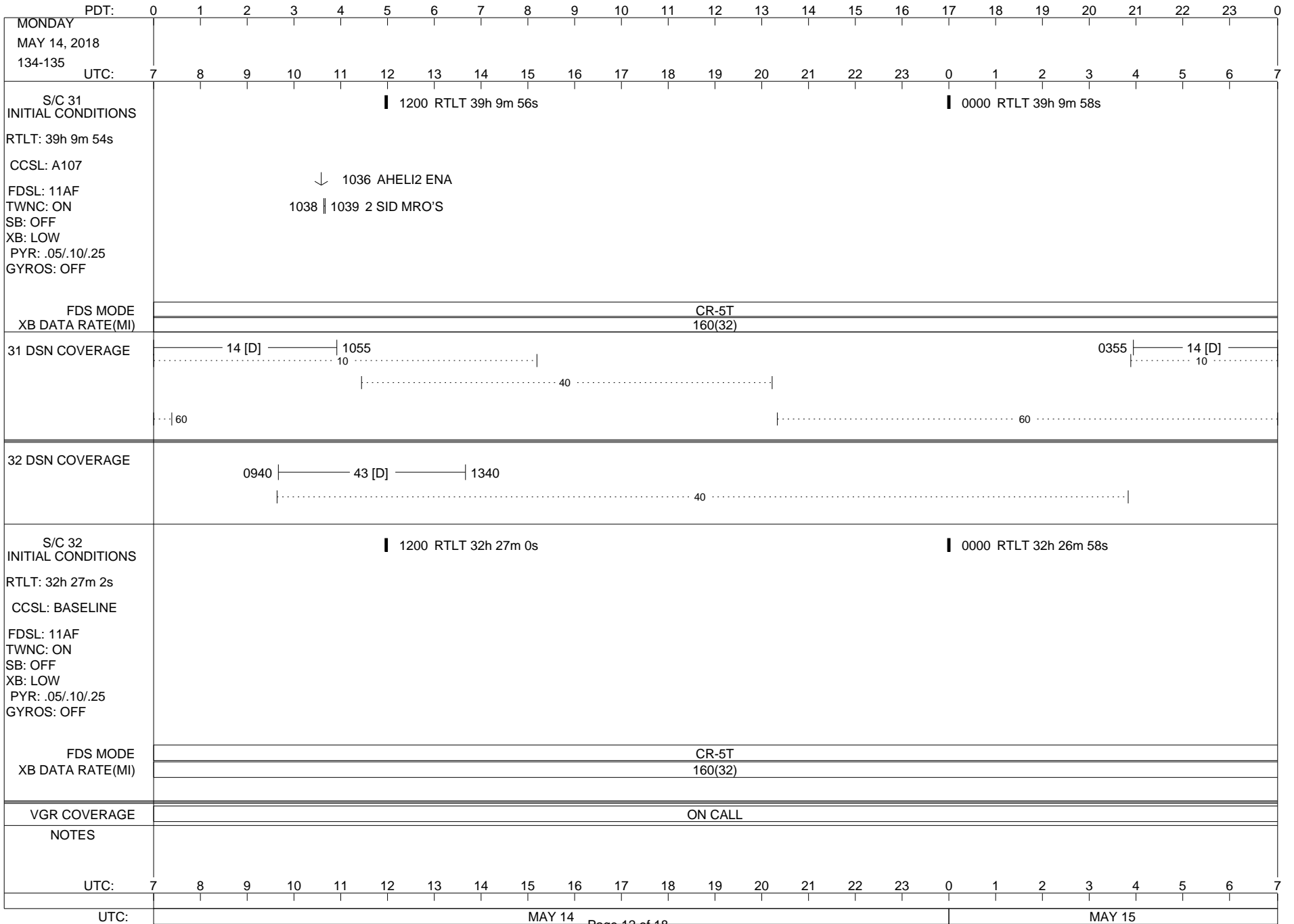
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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
TUESDAY MAY 15, 2018 135-136																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 9m 58s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 39h 10m 0s												█ 0000 RTLT 39h 10m 2s												
	1505 1506 PWS/RH																								
	↓ 1505 GS-4B 1506																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 0940										0350 14 [D]														
														
40.....									10.....														
	60										60														
32 DSN COVERAGE	1045 43 [B] 1430																								
40.....																								
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 58s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 32h 26m 56s												█ 0000 RTLT 32h 26m 56s												
	▼ 1337 DUMMY (5 MIN BRACKETED 22:04)																								
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1505 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:	MAY 15												MAY 16												

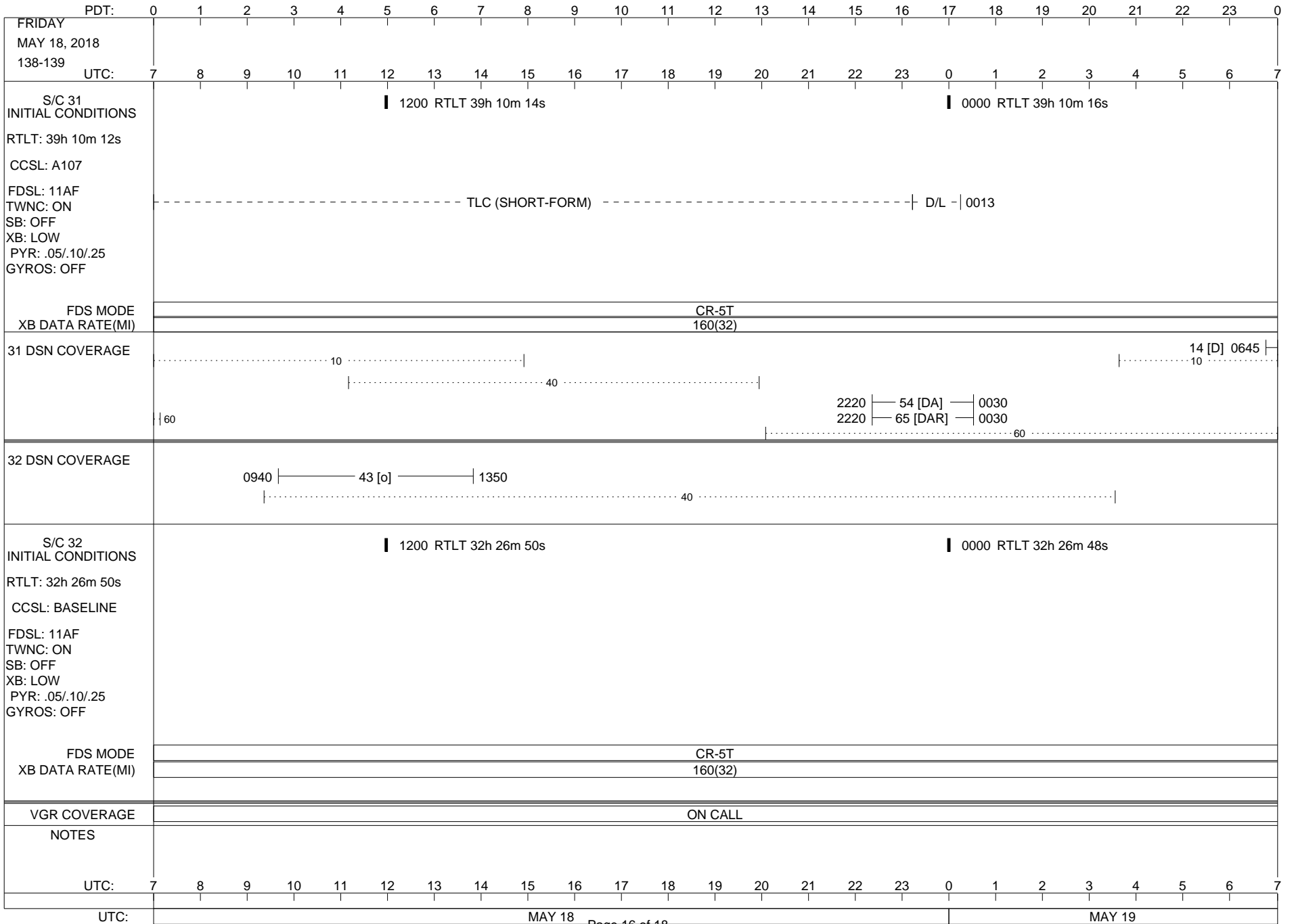
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WEDNESDAY MAY 16, 2018 136-137																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 10m 2s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 39h 10m 4s												█ 0000 RTLT 39h 10m 6s							
FDS MODE												CR-5T													
XB DATA RATE(MI)												160(32)													
31 DSN COVERAGE	0750 14 [D]											0345 14 [T]													
	60											60													
32 DSN COVERAGE												1900 43 [D] 0000													
												40													
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 56s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 32h 26m 54s												█ 0000 RTLT 32h 26m 52s							
FDS MODE												CR-5T													
XB DATA RATE(MI)												160(32)													
VGR COVERAGE												ON CALL													
NOTES												VGR													
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:	MAY 16														MAY 17										

ISSUE DATE: 05/02/18 07:27

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 MAY 17, 2018 137-138																										
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 10m 10s												0000 RTLT 39h 10m 12s													
RTLTL: 39h 10m 6s	-- 0738 SHUNT POWER TEST																									
CCSL: A107	▼ 0710 DUMMY (22:20)																									
FDSL: 11AF	U/L -- 0735 -																									
TWNC: ON	----- TLC (SHORT-FORM) -----																									
SB: OFF	1816 -- 1842 TAPPOS																									
XB: LOW	2118 2119 PWS/RH																									
PYR: .05/.10/.25	2130 2142 TAPPOS																									
GYROS: OFF	↓ 2118 GS-4B 2119																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	14 [T] 0805												0430 - 0655 14 [D]													
													
	60												60													
32 DSN COVERAGE	0930 ----- 43 [D] ----- 1330												0130 ----- 43 [D] ----- 0335													
	----- 40 -----												----- 40 -----													
S/C 32 INITIAL CONDITIONS	1200 RTLT 32h 26m 52s												0000 RTLT 32h 26m 50s													
RTLTL: 32h 26m 52s																										
CCSL: BASELINE																										
FDSL: 11AF																										
TWNC: ON																										
SB: OFF																										
XB: LOW																										
PYR: .05/.10/.25																										
GYROS: OFF																										
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	VGR												ON CALL													
NOTES	[1] S/C 31=GS-4B @ 2118 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:	MAY 17														MAY 18											

ISSUE DATE: 05/02/18 07:27



ISSUE DATE: 05/02/18 07:27

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 MAY 19, 2018 139-140																									
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 10m 16s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 10m 20s												0000 RTLT 39h 10m 22s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 1055										0335 14 [D]														
	10										10														
	40										40														
	60										60														
32 DSN COVERAGE	40										2110 43 [D] 0325														
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 48s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 26m 46s												0000 RTLT 32h 26m 46s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0018 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:	MAY 19												MAY 20												

ISSUE DATE: 05/02/18 07:27

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 MAY 20, 2018 140-141																											
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 10m 22s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 10m 26s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 46s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 26m 44s																										
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:	MAY 20													MAY 21													