

VOYAGER Space Flight Operations Schedule (SFOS)
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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

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 2217 2230 TAPPOS												
	TLC (SHORT-FORM) D/L - 0852												2205 GS-4B 2207												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0915												14 [DA] 0700 24 [DAR] 0700 26 [DA] 0700												
	60												60												
32 DSN COVERAGE	1025 43 [D] 1425																								
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 XB DATA RATE(MI)	CR-5T 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												

	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																											
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 ↓ 0801 GYROS BC ON																									
CCSL: A107		↓ 0802 GYRO INIT																									
FDSL: 11AF		↓ 0811 GYRO FAULT TEST																									
TWNC: ON		0901 ----- 1022 MAGROL (RI)																									
SB: OFF		↓ 1022 GYROS OFF																									
XB: LOW		↓ 1022 CRU																									
PYR: .05/.10/.25		↓ 1031 BAY 1 HTR ON																									
GYROS: OFF		↓ 0804 EL-40 0805																									
FDS MODE	CR-5T												CR-5T														
XB DATA RATE(MI)	160(32)												160(32)														
31 DSN COVERAGE		14 [DA] ————— 0700 - 1100						24 [DAR] ————— 0700 - 1100						26 [DA] ————— 0700 - 1100						0435 —— 14 [D] ————— 10							
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32 DSN COVERAGE		1035 —— 43 [Ho] ————— 1420																									

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		[1] S/C 31 = D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (0801-1022) [2] DSS-43 HP TXR DRV ON >= 11:45																									
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														

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 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	
UTC:	MAY 05													MAY 06												

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 6, 2018 126-127																											
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 28s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 39h 9m 28s												█ 0000 RTLT 39h 9m 30s									
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 RTLT 32h 27m 26s												█ 0000 RTLT 32h 27m 24s									
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 06														MAY 07												

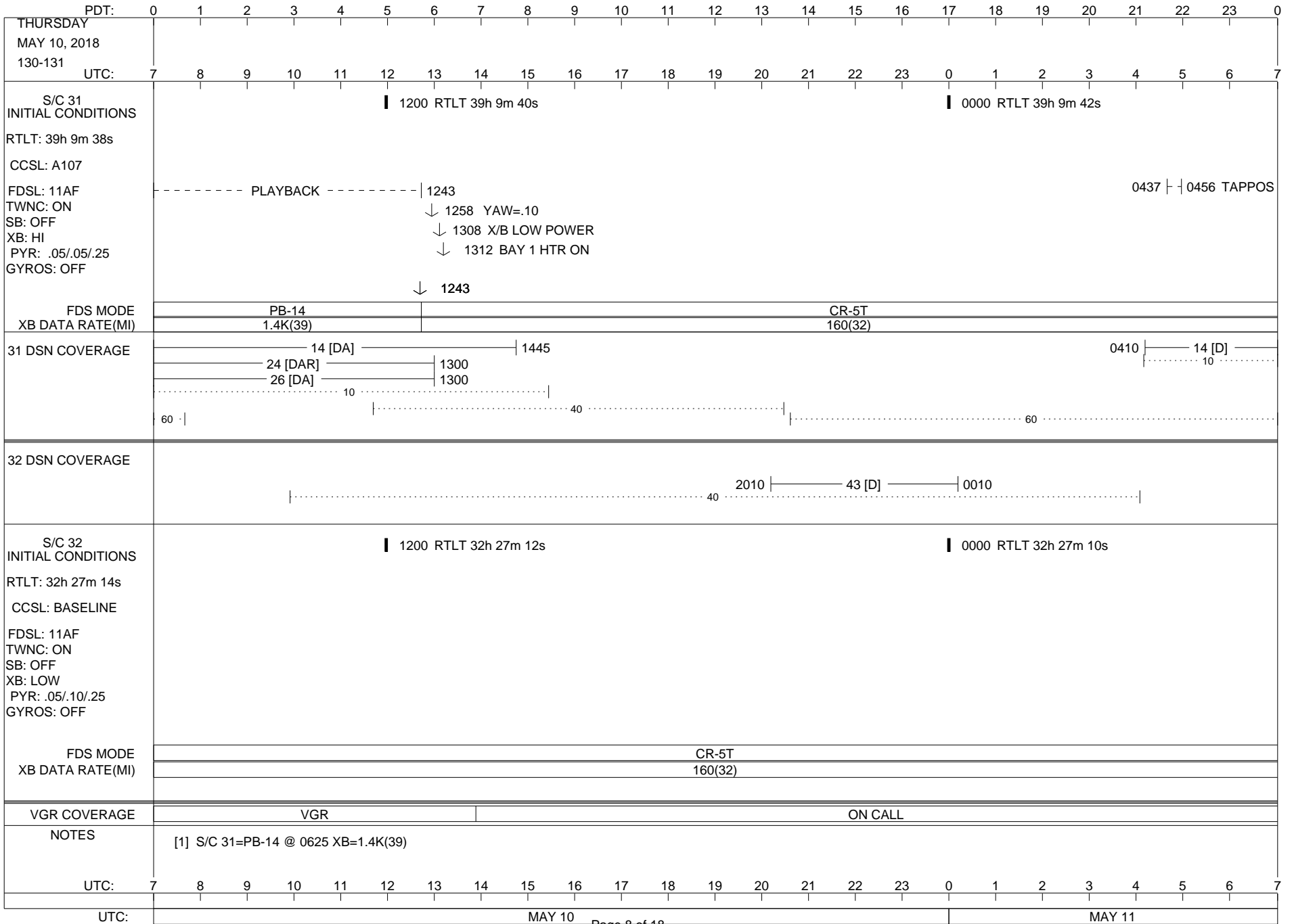
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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
TUESDAY MAY 8, 2018 128-129	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 9m 32s CCSL: A107 FDLS: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 9m 34s												0000 RTLT 39h 9m 36s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0830												24 [DAR] 0605 26 [DA] 0605												
	60												2240 65 [DAR] 0300 2240 54 [DA] 0300												
32 DSN COVERAGE	1130 43 [H] 1550												40												
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 22s CCSL: BASELINE FDLS: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 27m 20s												0000 RTLT 32h 27m 18s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1528 XB=2.8K(41) NOT RECOVERABLE [2] DSS-43 HP TXR DRV ON >= 11:25																								
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 08												MAY 09												

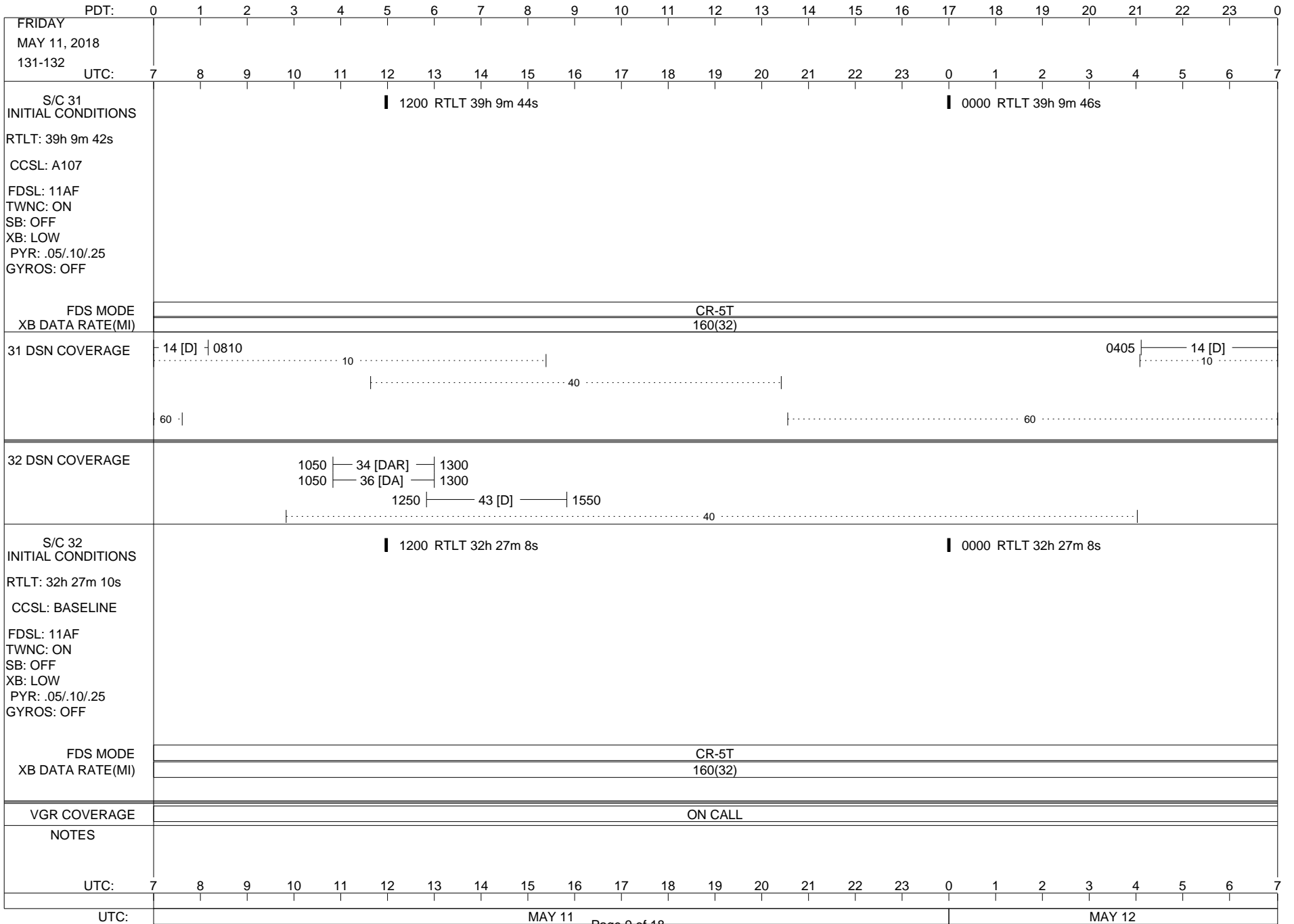
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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
WEDNESDAY MAY 9, 2018 129-130																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 9m 36s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 9m 36s												0000 RTLT 39h 9m 38s												
0703 TAPPOS																									
BAY 1 HTR OFF 0608 ↓ X/B HI POWER 0612 ↓ YAW=.05 0616 ↓ PLAYBACK 0625 ↓																									
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	0735 24 [DAR] 0735 26 [DA]												14 [DA] 0600 24 [DAR] 0600 26 [DA] 0600												
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												
2209 * 2214 B180 CHKSUM 2306 * 2313 CCSTIM FINE 0004 * 0007 CCSTIM COARSE																									
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												EL-40 40(30)		CR-5T 160(32)										
VGR COVERAGE	ON CALL												VGR		ON CALL										
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												

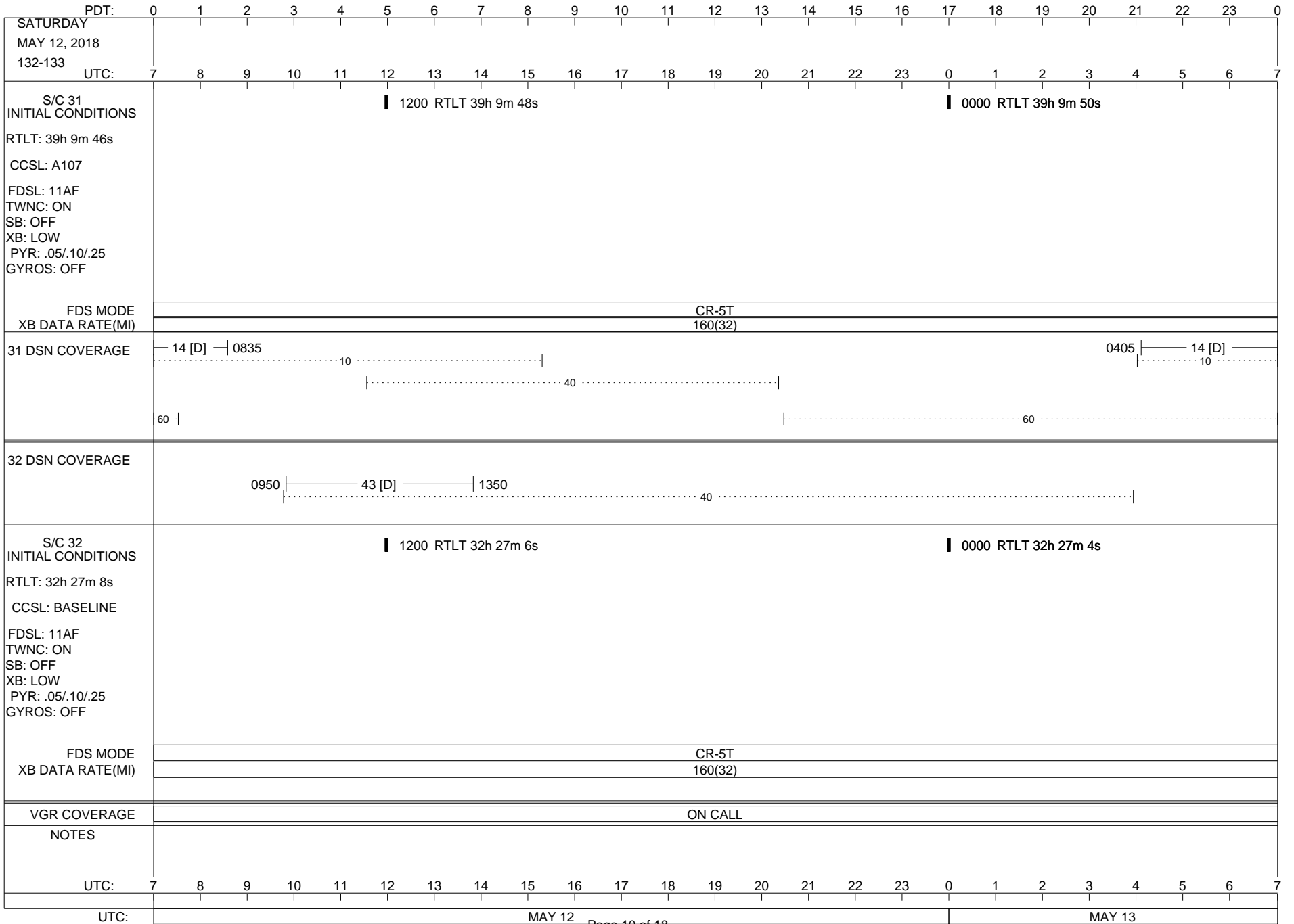
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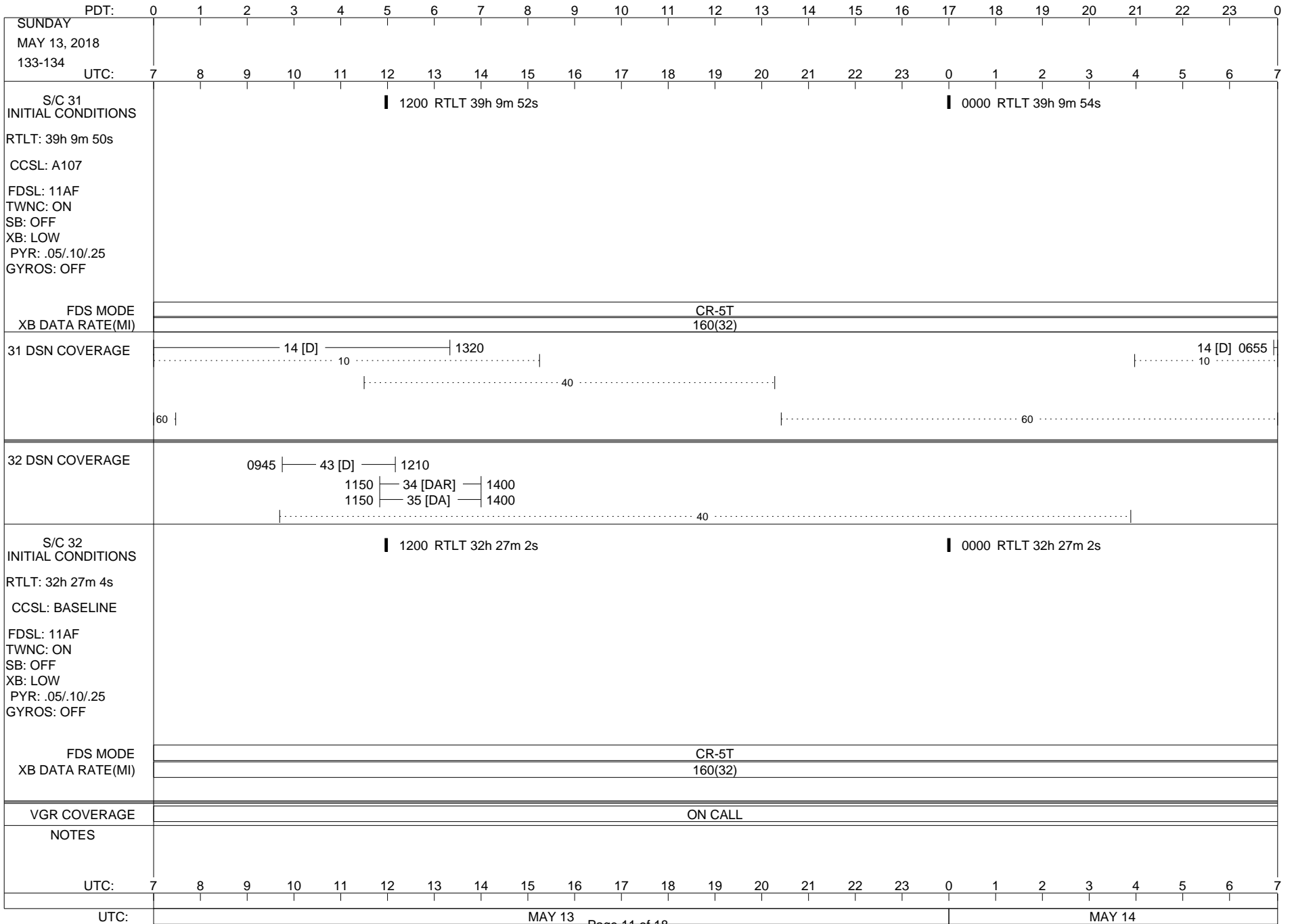
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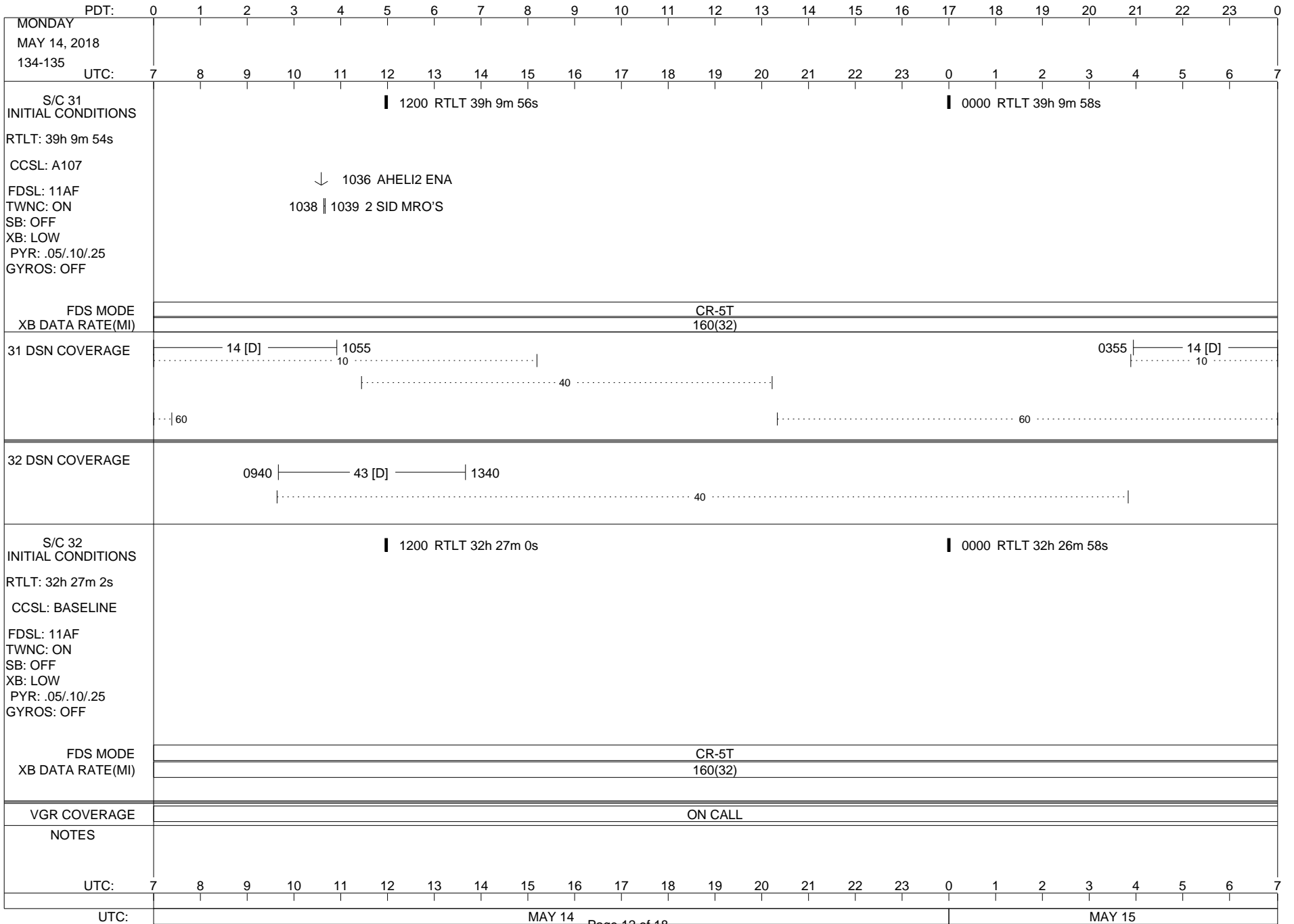
ISSUE DATE: 05/02/18 07:27



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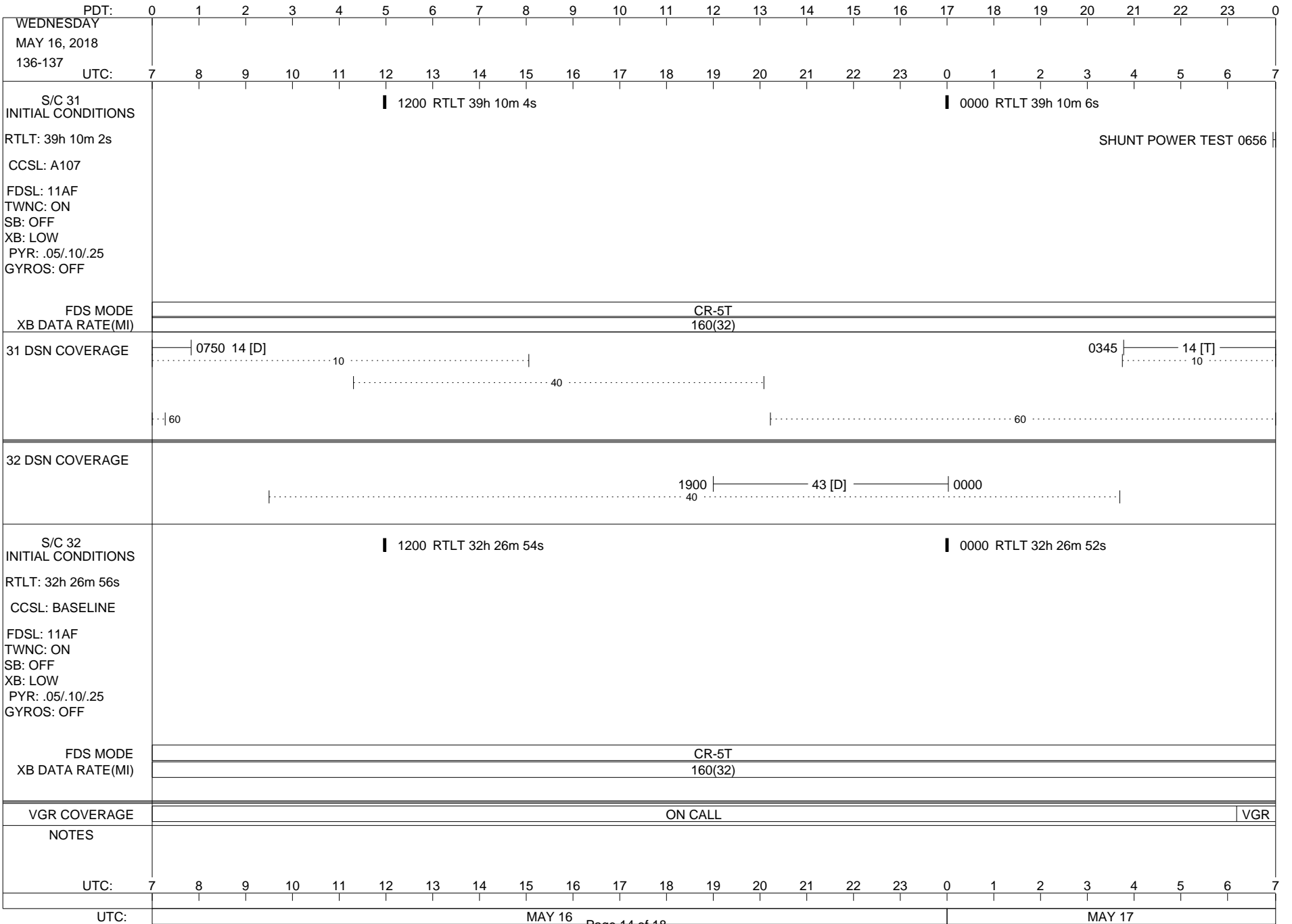
ISSUE DATE: 05/02/18 07:27



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
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]														
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	-----										-----														
	-----										-----														
32 DSN COVERAGE	1045 43 [B] 1430																								
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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												

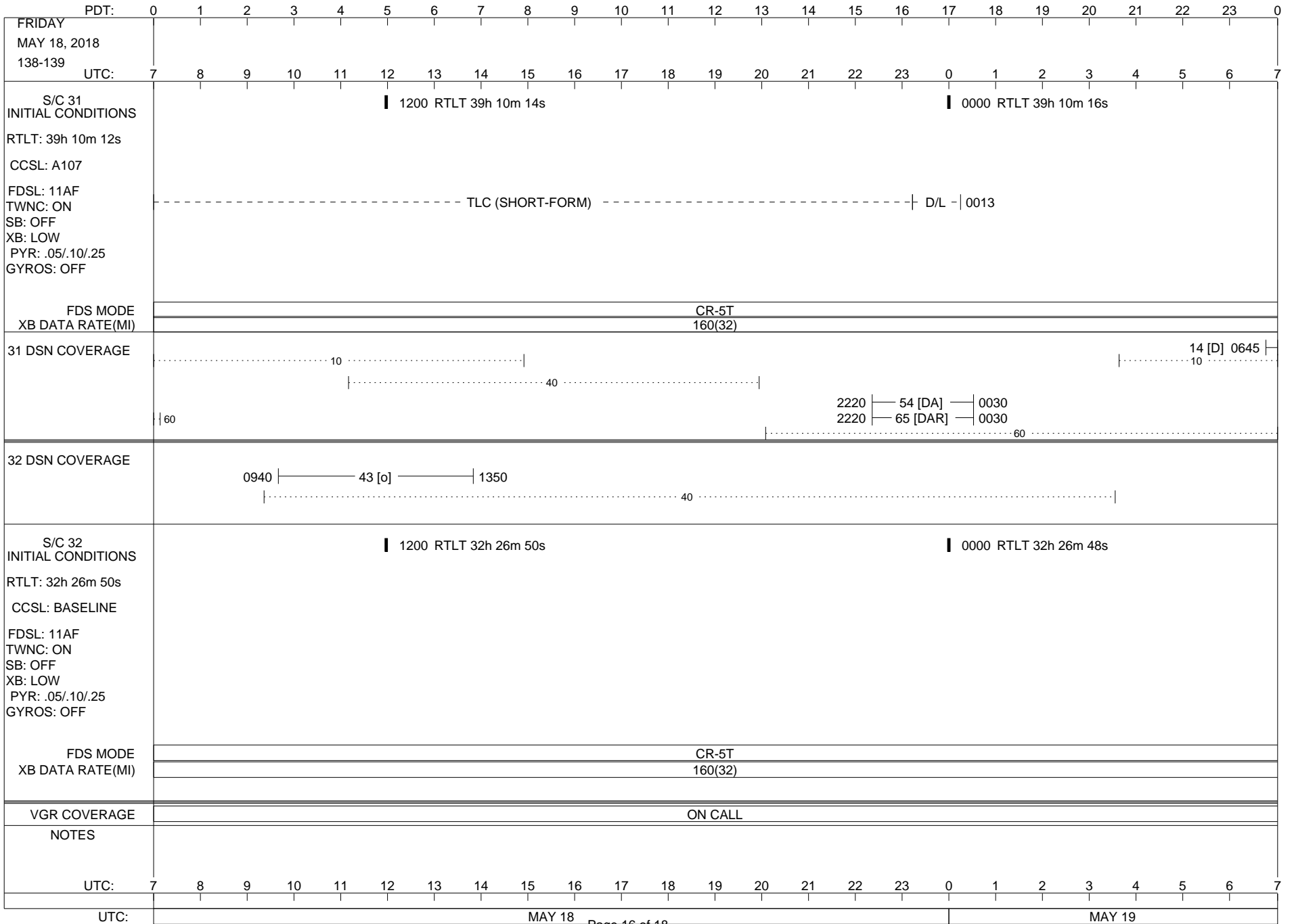
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ISSUE DATE: 05/02/18 07:27

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													
													
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 XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 1055										0335 14 [D]														
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 XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE													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												

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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		
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	1020 ————— 43 [D] ————— 1705																										
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													