

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: March 15, 2017

For the Period: 03/16/17 to 04/03/17 (17-075 – 17-093)

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

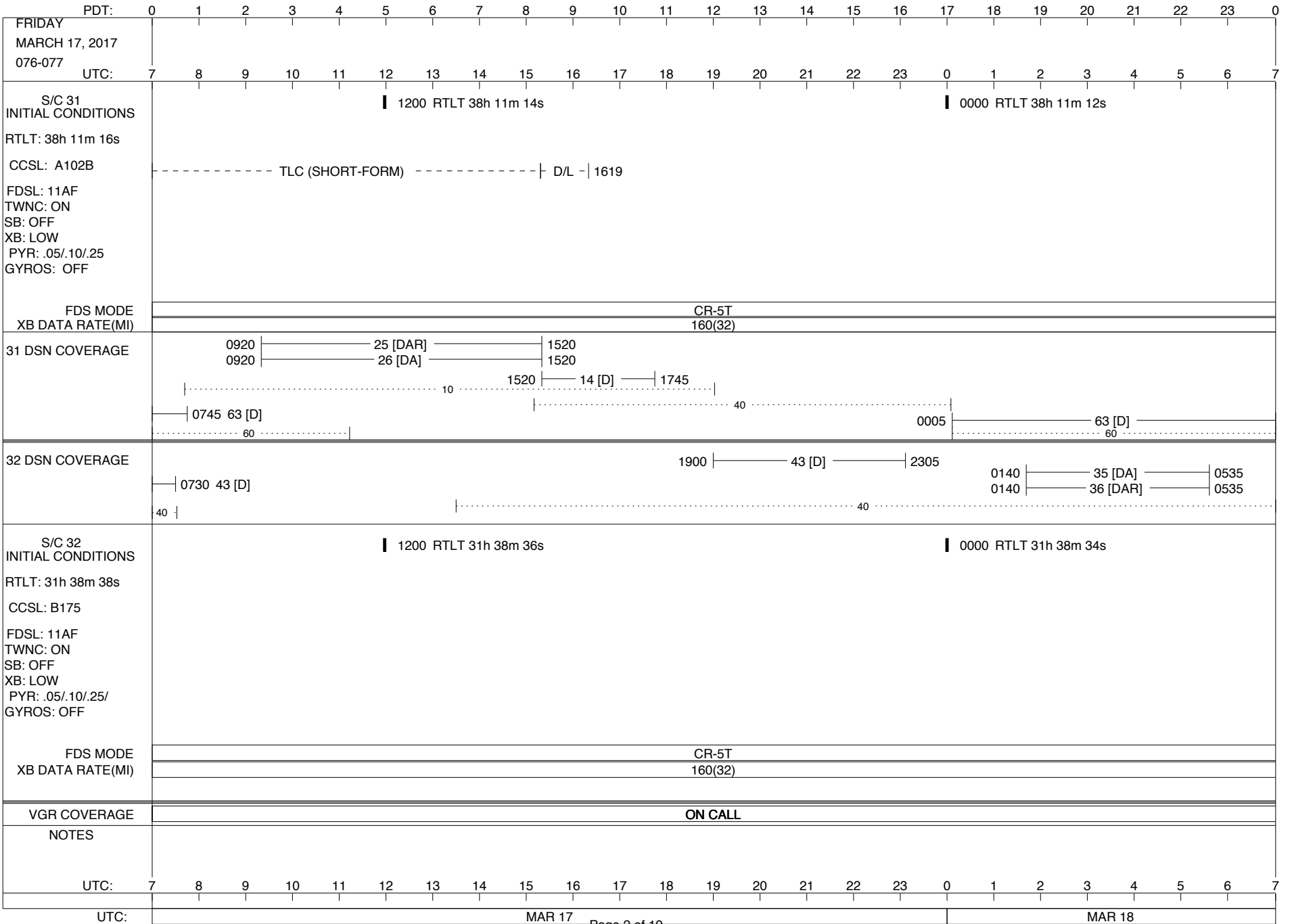
Posted at http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html

02/27/17

ISSUE DATE: 03/16/17 12:42

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
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S/C 31 INITIAL CONDITIONS RTLTL: 38h 11m 20s CCSL: A102B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 11m 18s												0000 RTLTL 38h 11m 16s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	0745 14 [D] 1010 0950 25 [DAR] 1510 0950 26 [DA] 1510 60												2147 - 2213 TAPPOS 0048 0049 PWS/RH 0100 0113 TAPPOS ↓ 0048 GS-4B 0050 0155 65 [DA] 0405 0155 55 [DAR] 0405 0345 63 [D] 60												
32 DSN COVERAGE	1405 34 [DAR] 1800 1405 36 [DA] 1800 40												0330 43 [D]												
S/C 32 INITIAL CONDITIONS RTLTL: 31h 38m 42s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 31h 38m 40s												0000 RTLTL 31h 38m 38s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0048 XB=2.8K(41) NOT RECOVERABLE																								
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UTC:	MAR 16												MAR 17												

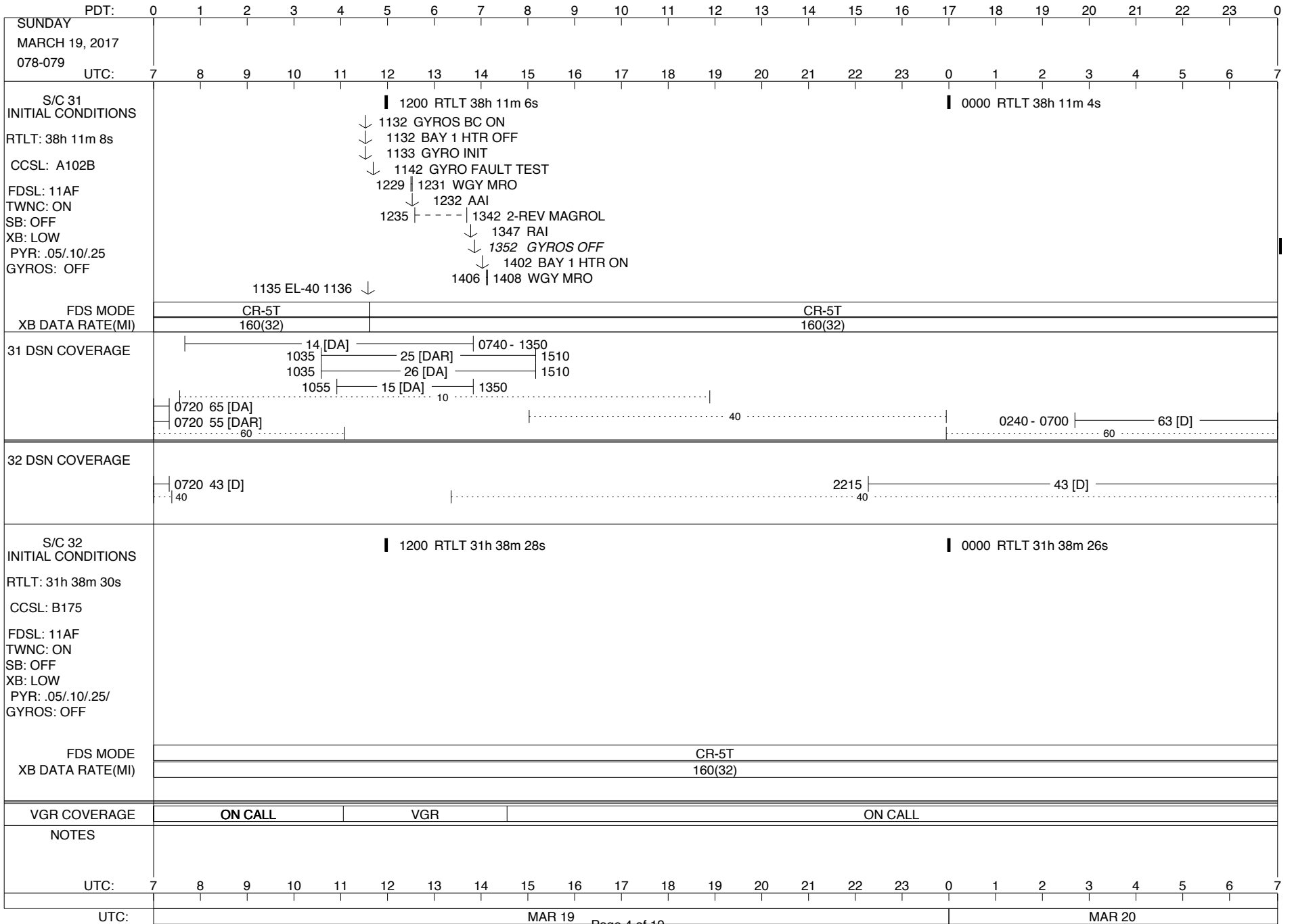
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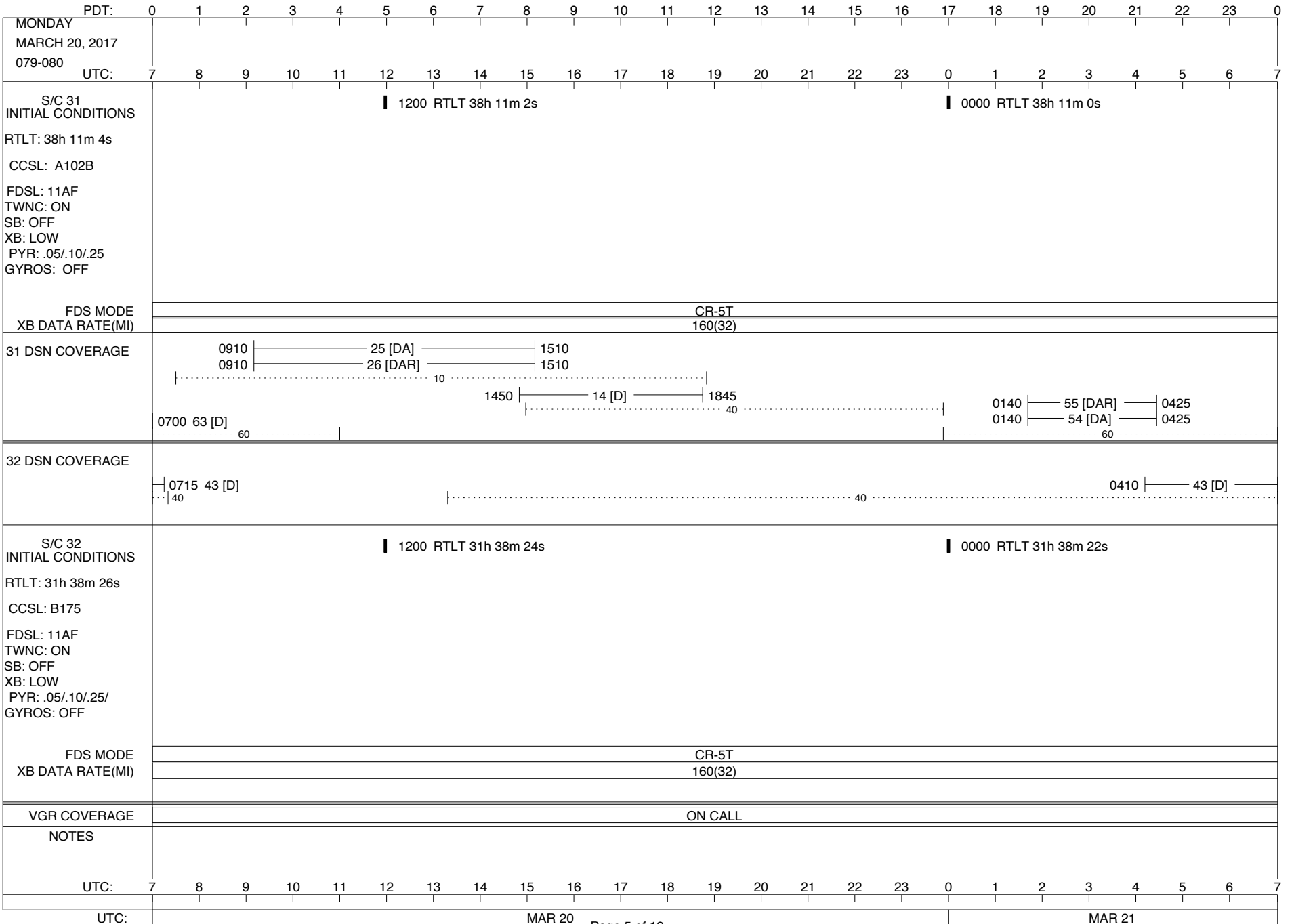
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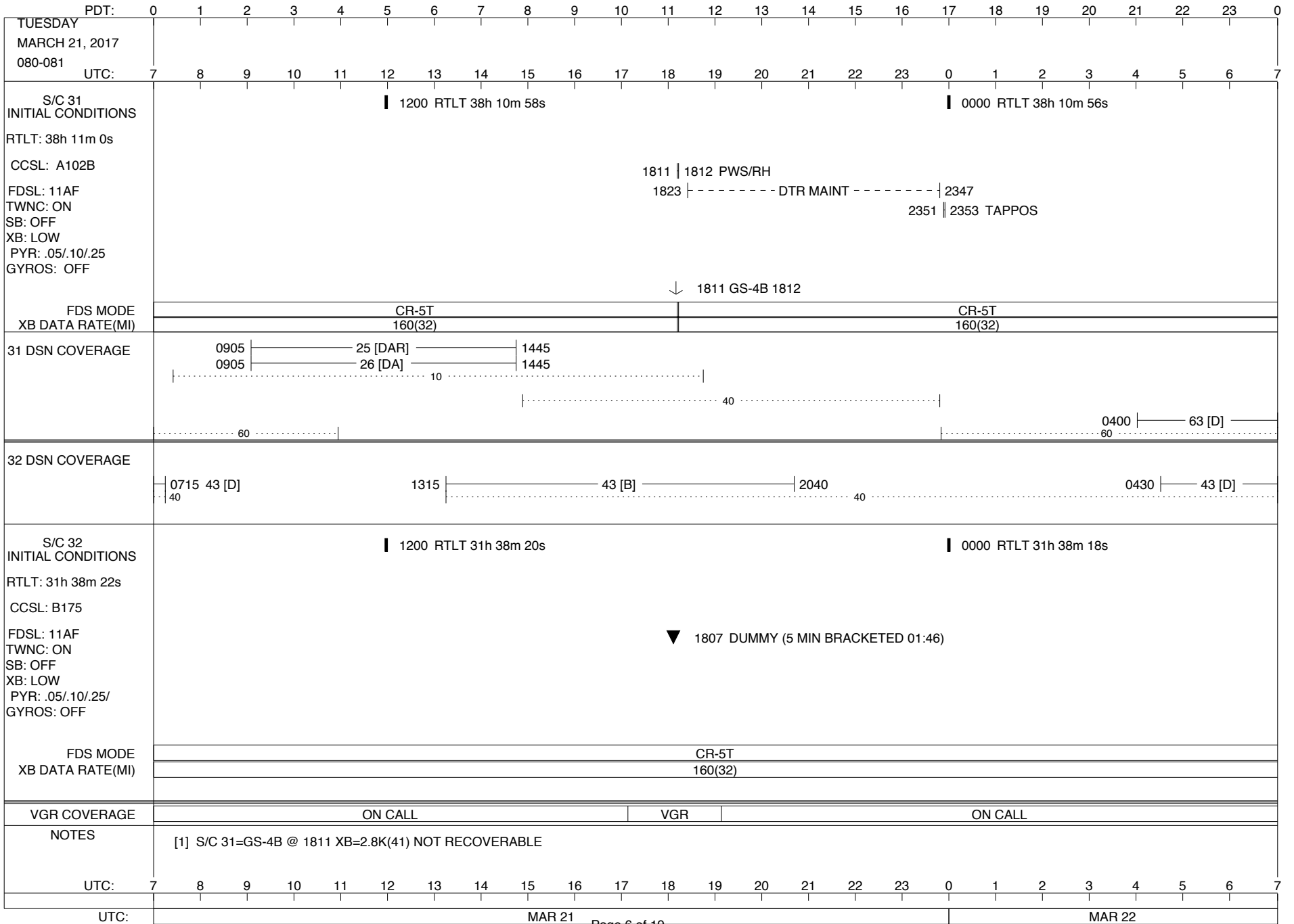
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SATURDAY MARCH 18, 2017 077-078	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 38h 11m 12s CCSL: A102B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 11m 10s												0000 RTLTL 38h 11m 8s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0915 ----- 25 [DAR] ----- 1435 0915 ----- 26 [DA] ----- 1435 ----- 10 ----- ----- 40 ----- ----- 0725 63 [D] ----- ----- 60 -----												0145 ----- 65 [DA] ----- 0145 ----- 55 [DAR] ----- ----- 60 -----												
32 DSN COVERAGE	1505 ----- 43 [o] ----- 2305 ----- 40 ----- 40 ----- 0425 ----- 43 [D] -----																								
S/C 32 INITIAL CONDITIONS RTLTL: 31h 38m 34s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 31h 38m 32s												0000 RTLTL 31h 38m 30s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0348 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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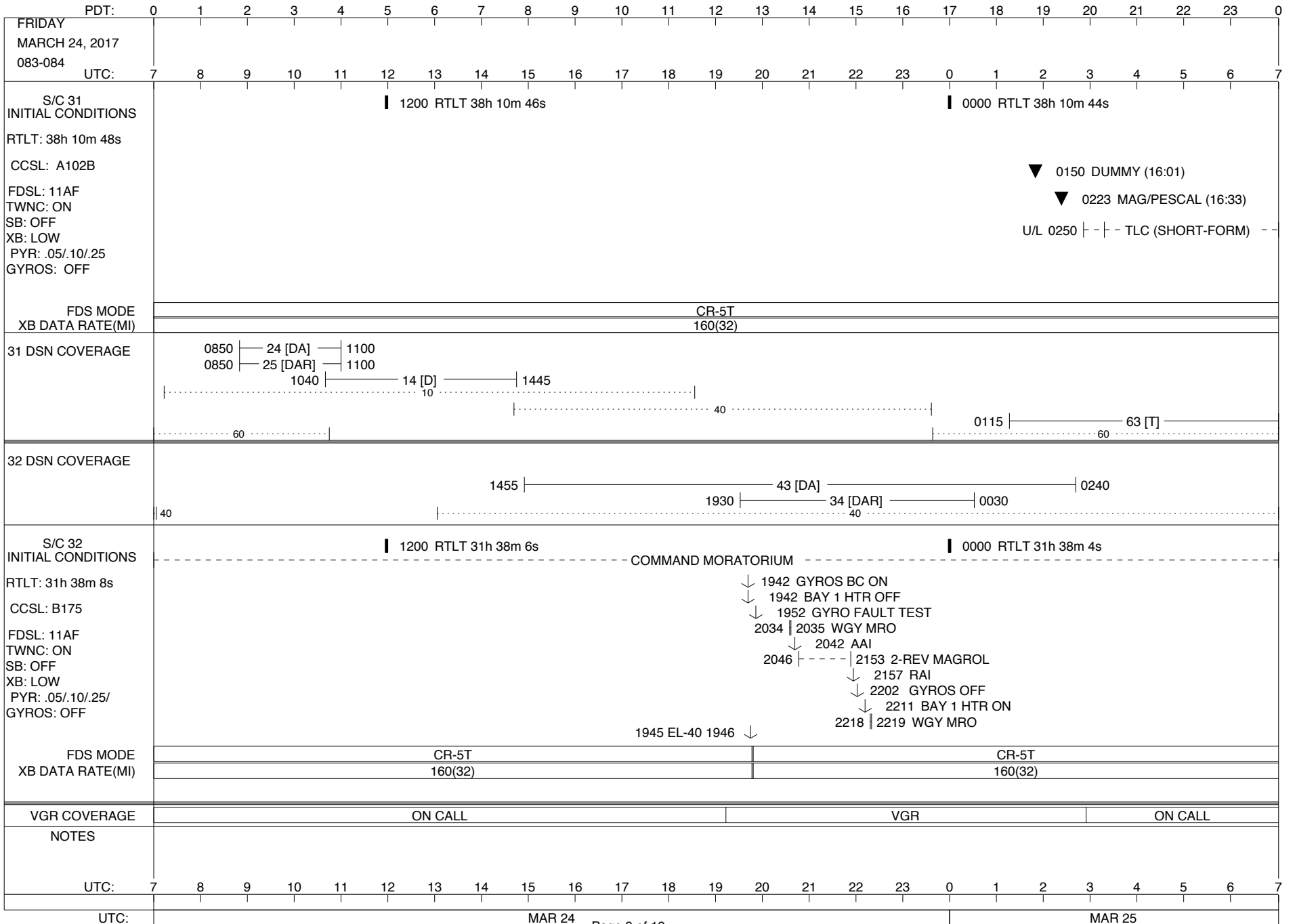
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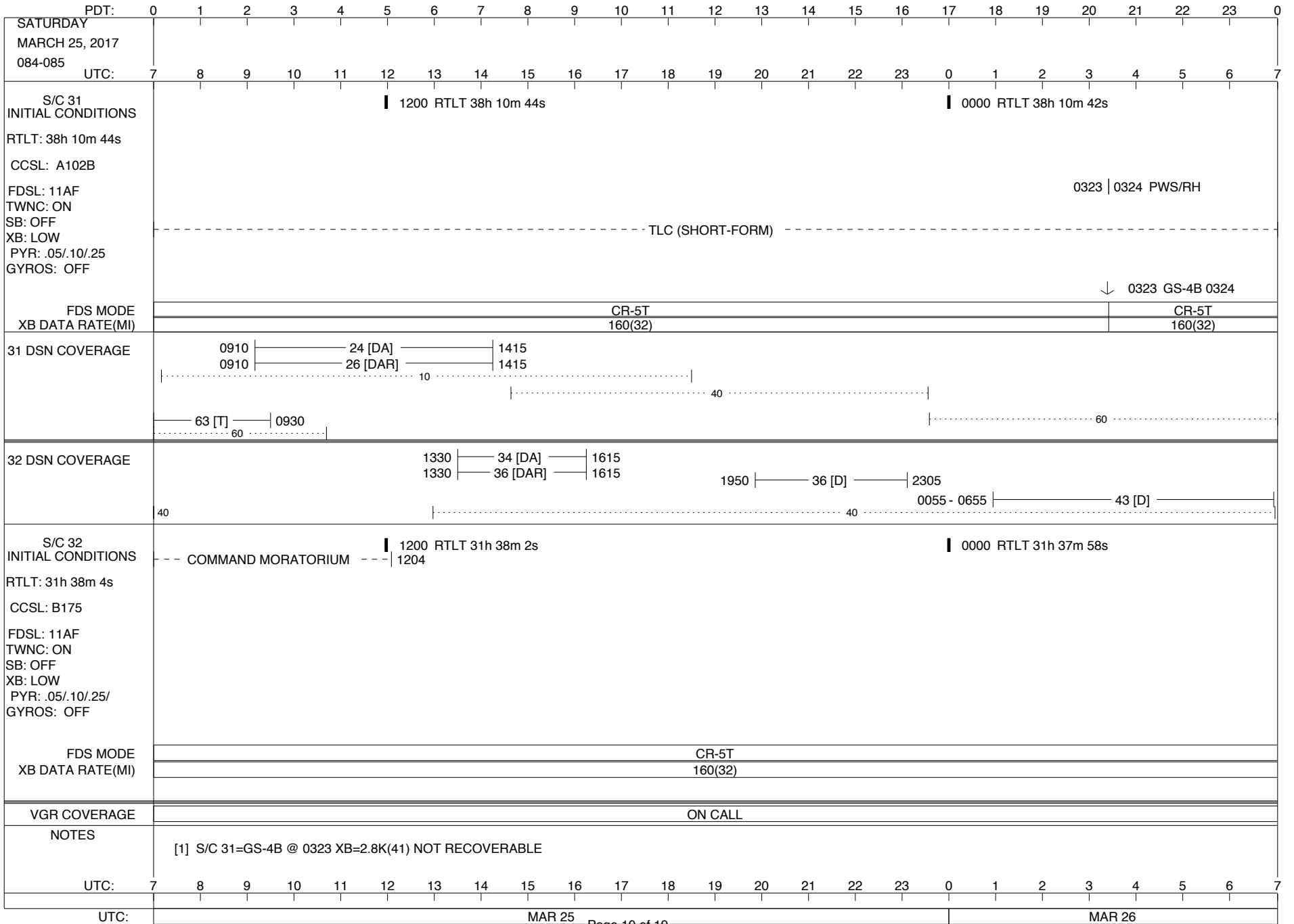
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WEDNESDAY MARCH 22, 2017 081-082																												
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S/C 31 INITIAL CONDITIONS RTLT: 38h 10m 56s CCSL: A102B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 10m 54s														0000 RTLT 38h 10m 52s													
1445 - 1513 SHUNT POWER TEST																												
EL-40 1433 ↓ ↓ 1459 CR-5T																												
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	0920 ----- 14 [D] ----- 1615 ----- 10 -----														----- 40 -----													
	----- 0745 63 [D] ----- ----- 60 -----														0000 ----- 63 [D] ----- ----- 60 -----													
32 DSN COVERAGE	----- 0710 43 [D] ----- ----- 40 -----														----- 40 ----- 0020 ----- 43 [D] ----- ----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLT: 31h 38m 18s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 38m 14s														0000 RTLT 31h 38m 12s													
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL														VGR							ON CALL						
NOTES	[1] S/C 31=EL-40 @ 1433 XB=40(30) [2] S/C 31=CR-5T @ 1459 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:	MAR 22														Page 7 of 19							MAR 23						

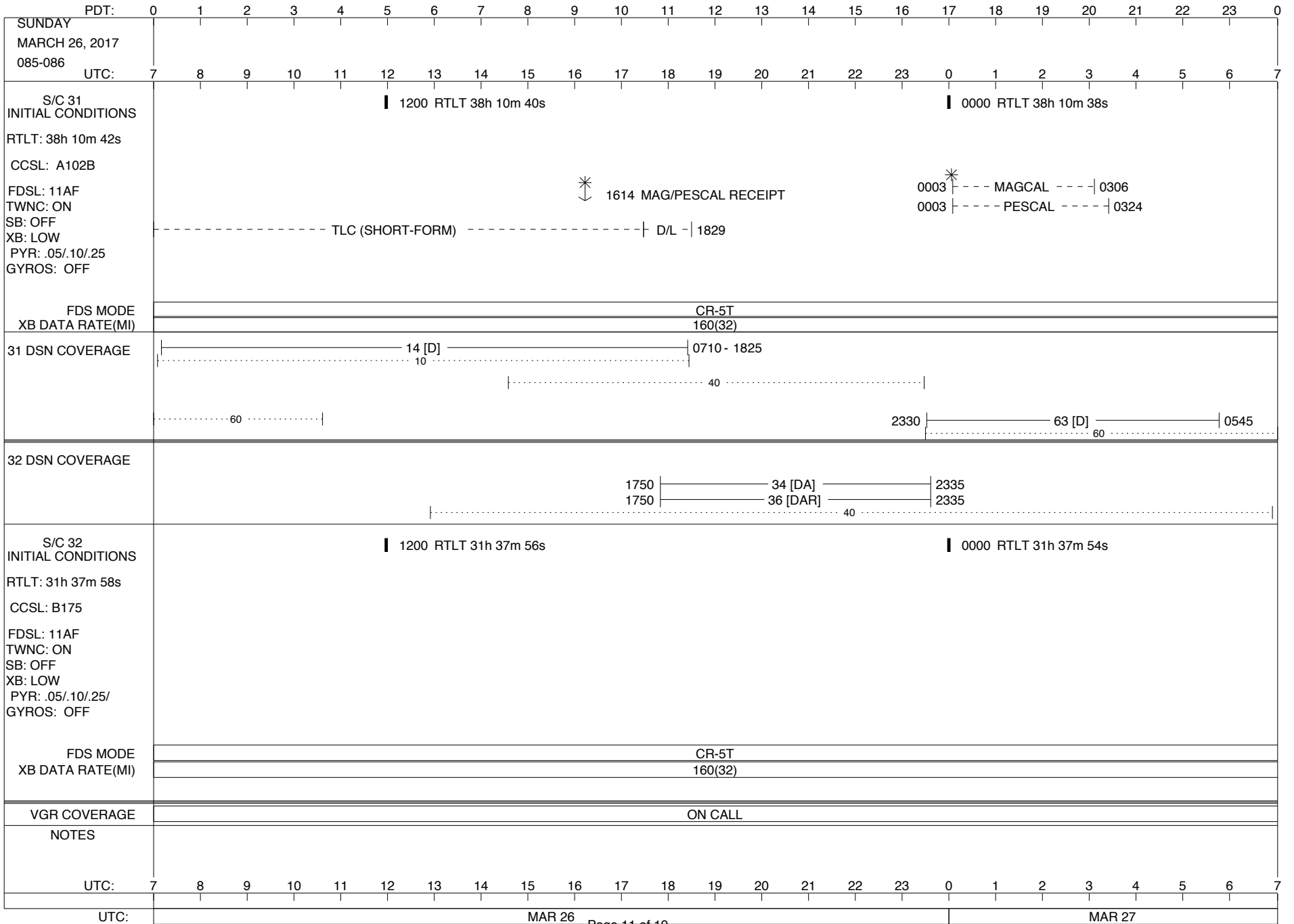
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UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
THURSDAY MARCH 23, 2017 082-083																												
S/C 31 INITIAL CONDITIONS RTLTL: 38h 10m 52s CCSL: A102B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 10m 50s														0000 RTLT 38h 10m 48s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLTL: 31h 38m 12s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 38m 10s														0000 RTLT 31h 38m 8s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
VGR COVERAGE	ON CALL														VGR							ON CALL						
NOTES	<p>[1] S/C 32=EL-40 @ 2009 XB=40(30) [2] S/C 32=CR-5T @ 2048 XB=160(32) [3] S/C 31=GS-4B @ 0023 XB=2.8K(41) NOT RECOVERABLE</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			
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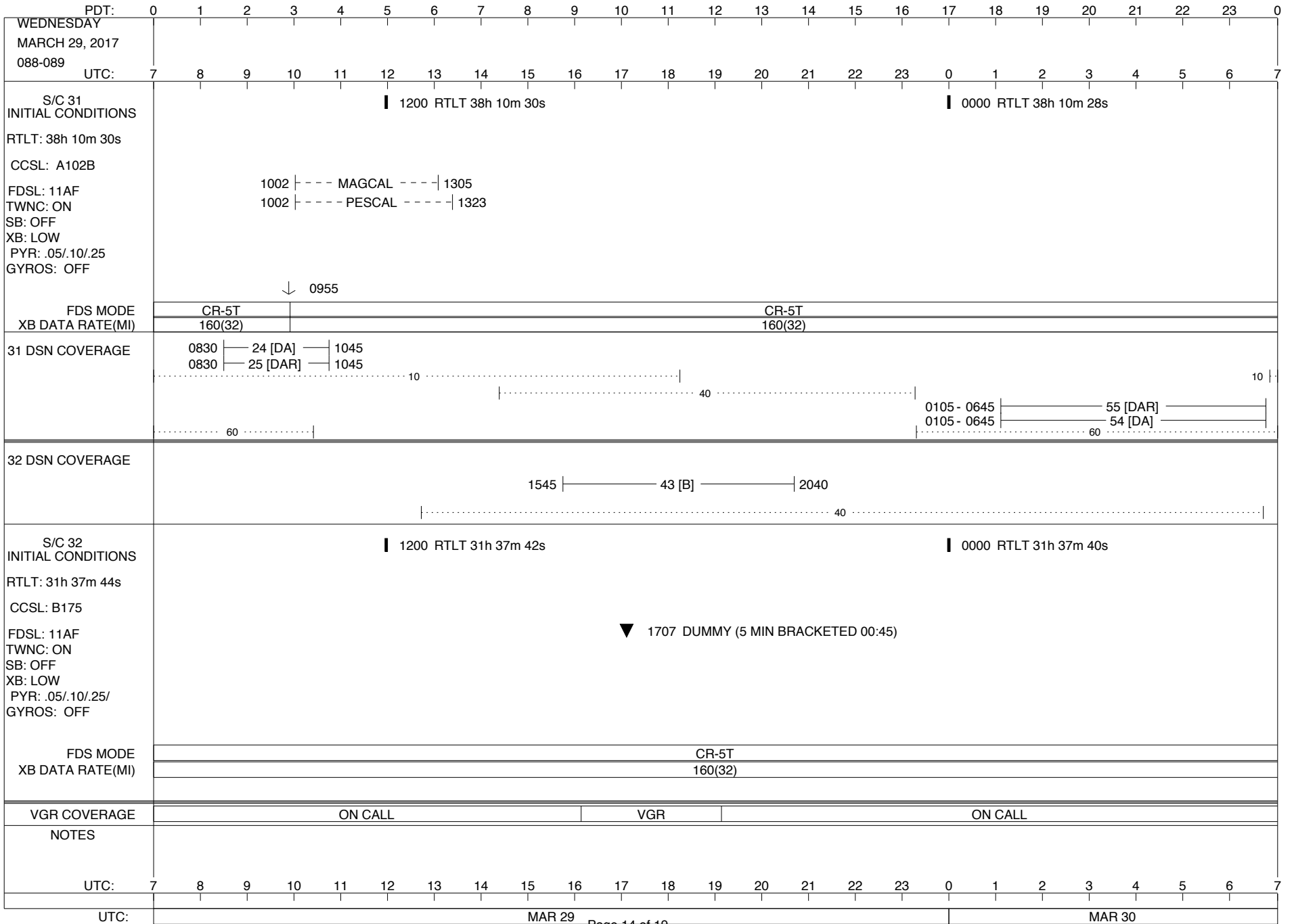




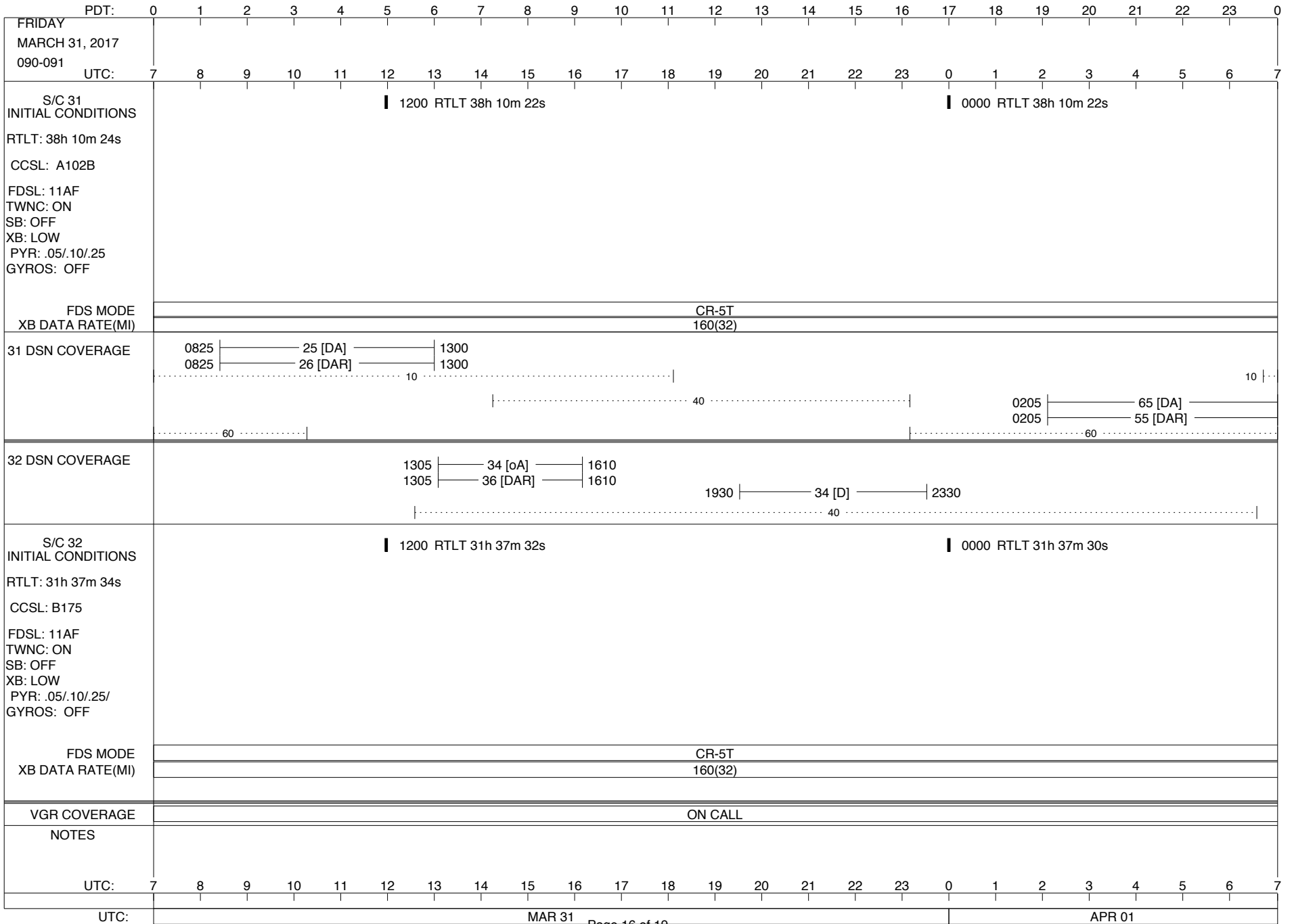
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MONDAY MARCH 27, 2017 086-087																											
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S/C 31 INITIAL CONDITIONS RTLT: 38h 10m 38s CCSL: A102B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 38h 10m 36s</p> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 31h 37m 54s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 31h 37m 52s</p> </div>																										
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:	MAR 27													MAR 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 MARCH 28, 2017 087-088																											
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: 38h 10m 36s CCSL: A102B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: right;">0000 RTLTL 38h 10m 30s</p> <p style="text-align: center;">1746 1747 PWS/RH</p> <p style="text-align: center;">↓ 1746 GS-4B 1747</p>																										
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)													CR-5T 160(32)													
31 DSN COVERAGE	<p>0835 ----- 25 [DAR] ----- 1415 0835 ----- 15 [DA] ----- 1415</p> <p>0105 - 0655 ----- 65 [DAR] ----- 0105 - 0655 ----- 55 [DA] ----- </p>																										
32 DSN COVERAGE	<p>1320 ----- 36 [DAR] ----- 1520 1320 ----- 34 [DA] ----- 1520</p> <p>2355 ----- 43 [D] ----- 0500</p>																										
S/C 32 INITIAL CONDITIONS RTLTL: 31h 37m 52s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<p style="text-align: right;">0000 RTLTL 31h 37m 44s</p>																										
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																										
VGR COVERAGE	ON CALL																										
NOTES	[1] S/C 31=GS-4B @ 1746 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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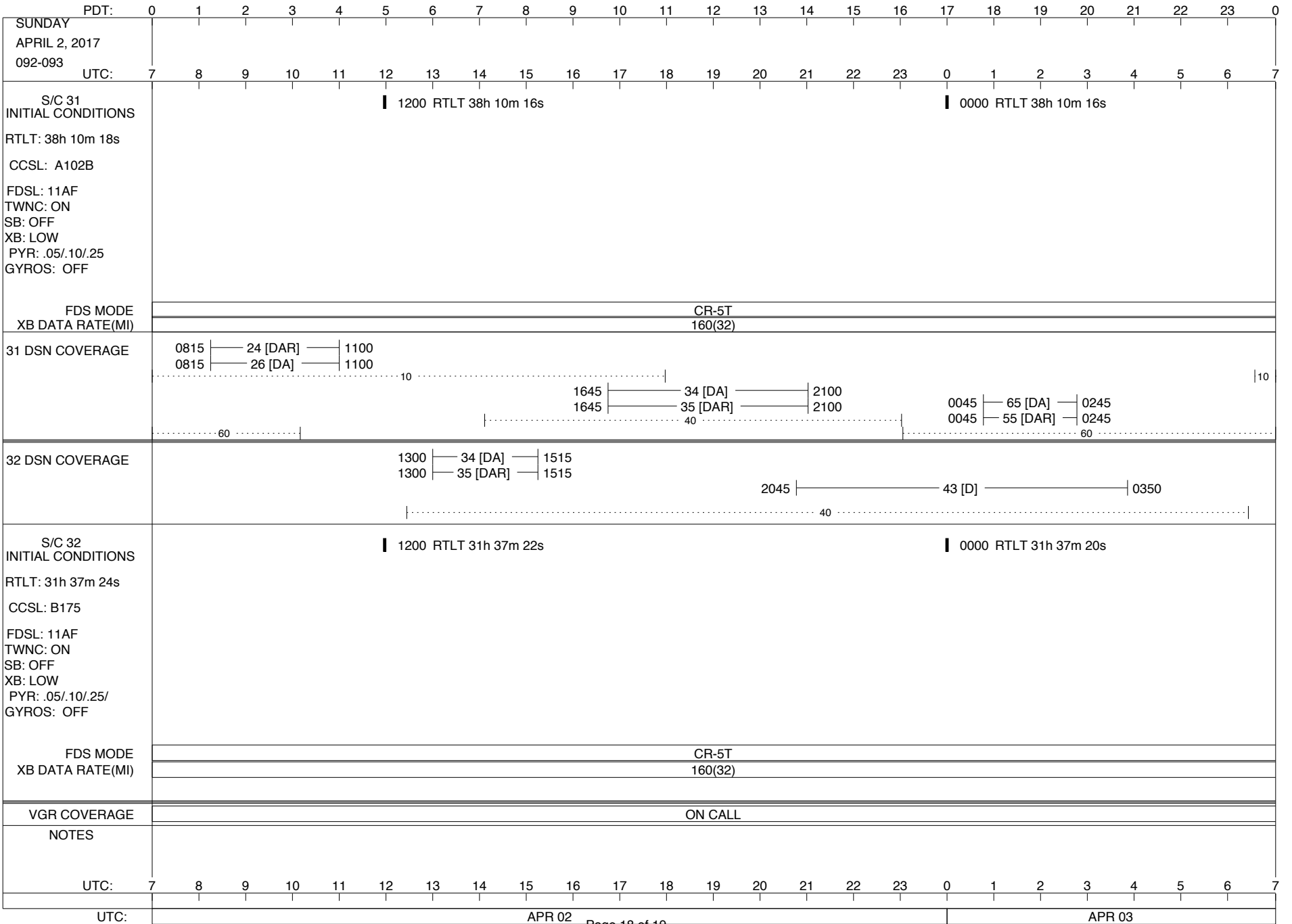


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UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 38h 10m 28s CCSL: A102B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 10m 26s												0000 RTLT 38h 10m 24s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	0830 ----- 24 [DA] ----- 1155 0830 ----- 25 [DAR] ----- 1155 ----- 10 ----- ----- 40 ----- ----- 60 -----												2058 - 2124 TAPPOS 0000 0001 PWS/RH 0012 - - 0052 TAPPOS ↓ 0000 GS-4B 0001 0100 - 0645 ----- 55 [DAR] ----- 0100 - 0645 ----- 54 [DA] ----- ----- 60 -----													
32 DSN COVERAGE	1715 ----- 34 [DA] ----- 2115 1715 ----- 35 [DAR] ----- 2045 ----- 40 -----												0005 ----- 43 [D] ----- 0405 ----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLT: 31h 37m 40s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 37m 36s												0000 RTLT 31h 37m 34s													
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 @ 0000 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:	MAR 30												MAR 31													



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 APRIL 1, 2017 091-092	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: 38h 10m 22s CCSL: A102B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 10m 20s												0000 RTLTL 38h 10m 18s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0820 ----- 25 [DAR] ----- 1440 0820 ----- 26 [DA] ----- 1440 ----- 10 ----- ----- 40 ----- ----- 60 ----- 0755 65 [DA] ----- 40 ----- 0755 55 [DAR] ----- 60 ----- ----- 60 -----												2358 --- 0038 TAPPOS 0300 0301 PWS/RH 0312 ---- 0406 TAPPOS ↓ 0300 GS-4B 0301 2310 ----- 63 [D] ----- 0150 ----- 60 -----												
32 DSN COVERAGE	1300 --- 34 [DA] --- 1445 1300 --- 36 [DAR] --- 1445 ----- 40 ----- 1955 36 [D] 2100 2045 ----- 40 ----- 0155 ----- 60 -----																								
S/C 32 INITIAL CONDITIONS RTLTL: 31h 37m 30s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 31h 37m 26s												0000 RTLTL 31h 37m 24s												
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 @ 0300 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:	APR 01												APR 02												

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