

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: February 27, 2018

For the Period: 03/01/18 to 03/19/18 (18/060 – 18/078)

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.
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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

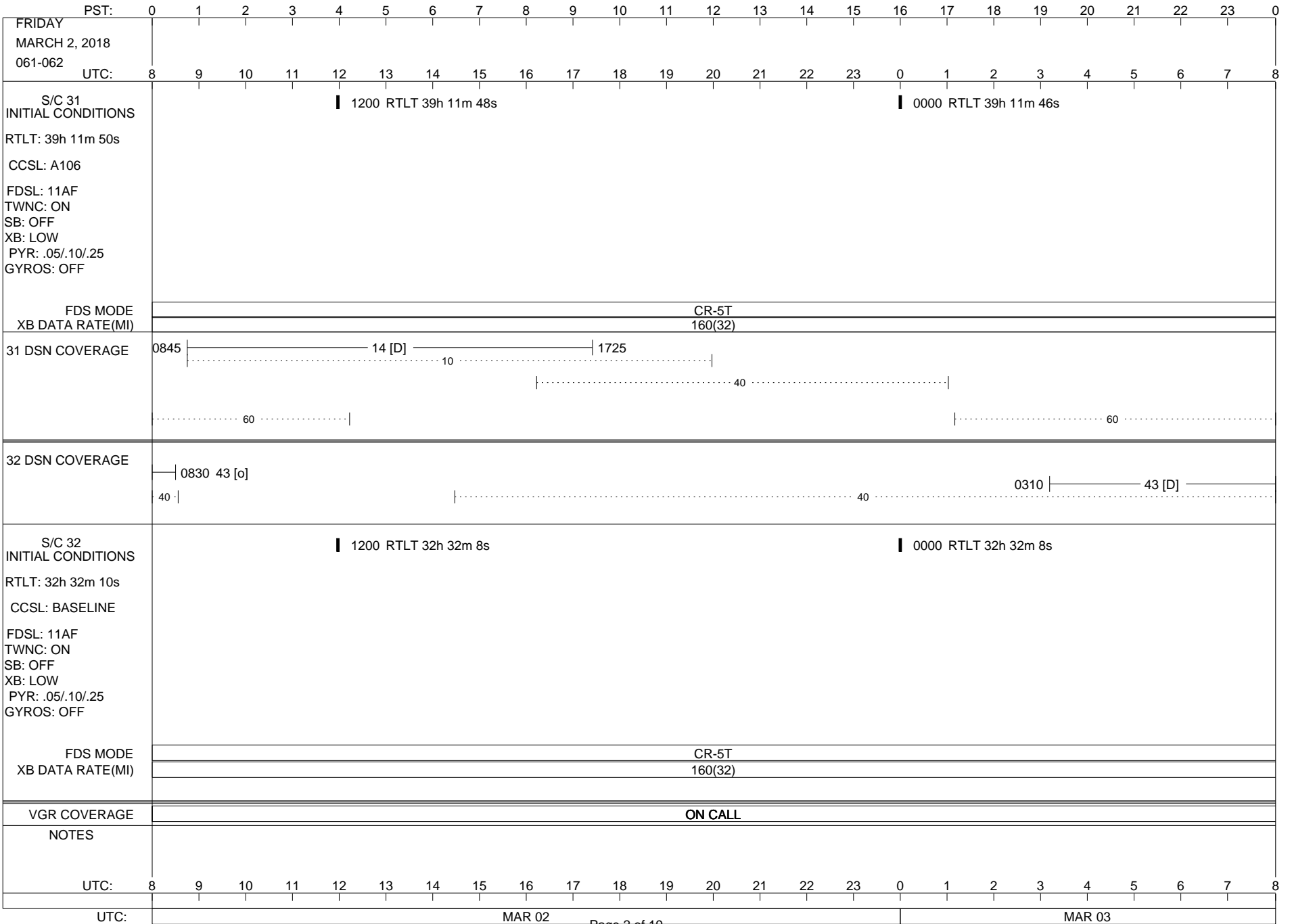
Posted at http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html

02/27/17

ISSUE DATE: 02/26/18 07:34

PST: 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 MARCH 1, 2018 060-061			
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8			
S/C 31 INITIAL CONDITIONS RTLT: 39h 11m 54s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div> <p>1200 RTLT 39h 11m 52s</p> </div> <div> <p>0000 RTLT 39h 11m 50s</p> </div> </div> <p style="text-align: right;">2241 ---- 2335 TAPPOS 0142 0144 PWS/RH 0154 -- 0235 TAPPOS</p> <p style="text-align: right;">↓ 0142 GS-4B 0144</p>		
FDS MODE XB DATA RATE(MI)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">CR-5T 160(32)</td> <td style="width: 50%; text-align: center;">CR-5T 160(32)</td> </tr> </table>	CR-5T 160(32)	CR-5T 160(32)
CR-5T 160(32)	CR-5T 160(32)		
31 DSN COVERAGE			
32 DSN COVERAGE			
S/C 32 INITIAL CONDITIONS RTLT: 32h 32m 12s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div> <p>1200 RTLT 32h 32m 10s</p> </div> <div> <p>0000 RTLT 32h 32m 10s</p> </div> </div>		
FDS MODE XB DATA RATE(MI)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%; text-align: center;">CR-5T 160(32)</td> </tr> </table>		CR-5T 160(32)
	CR-5T 160(32)		
VGR COVERAGE	ON CALL		
NOTES	[1] S/C 31=GS-4B @ 0142 XB=2.8K(41) NOT RECOVERABLE		
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UTC: MAR 01 MAR 02			

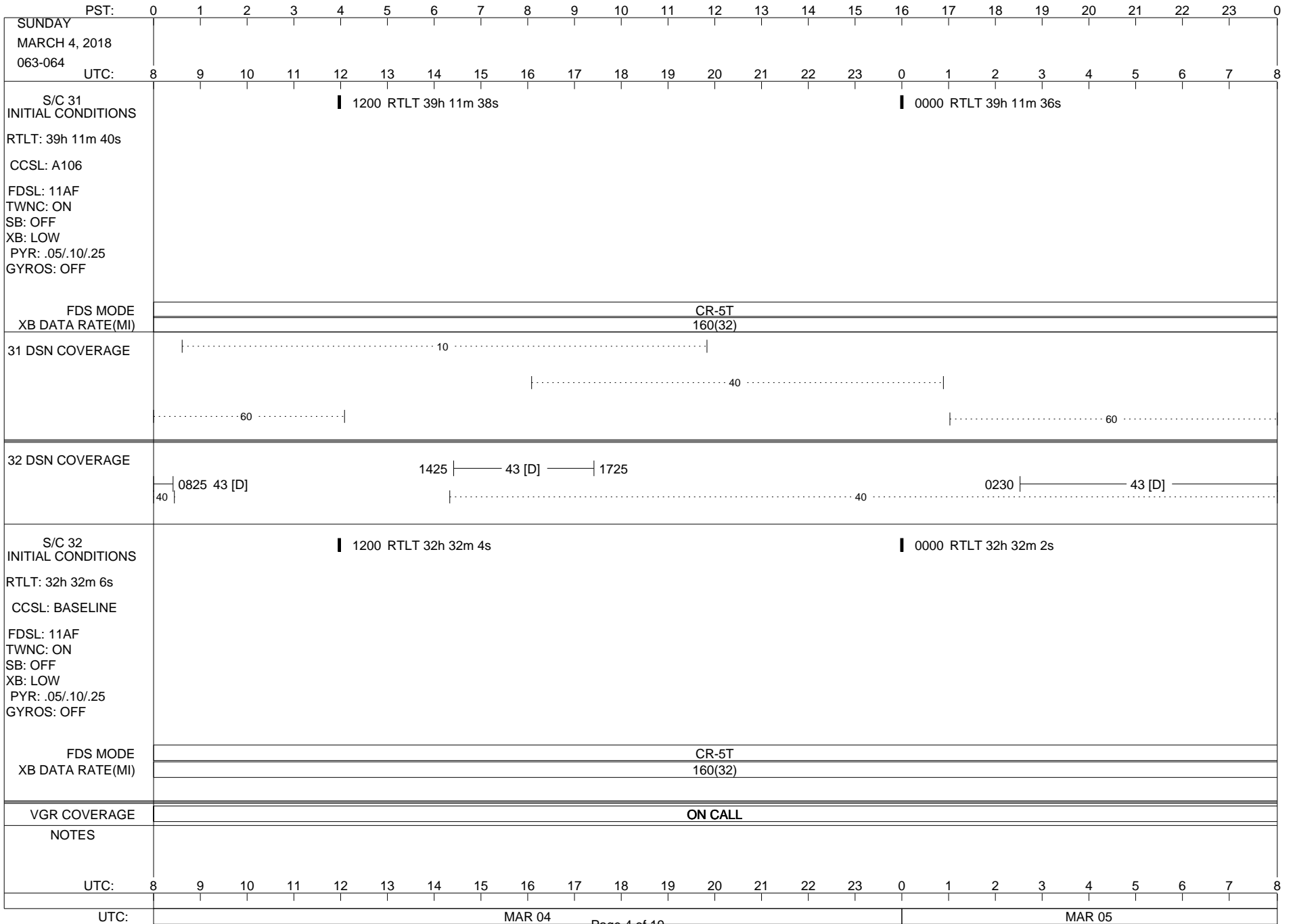
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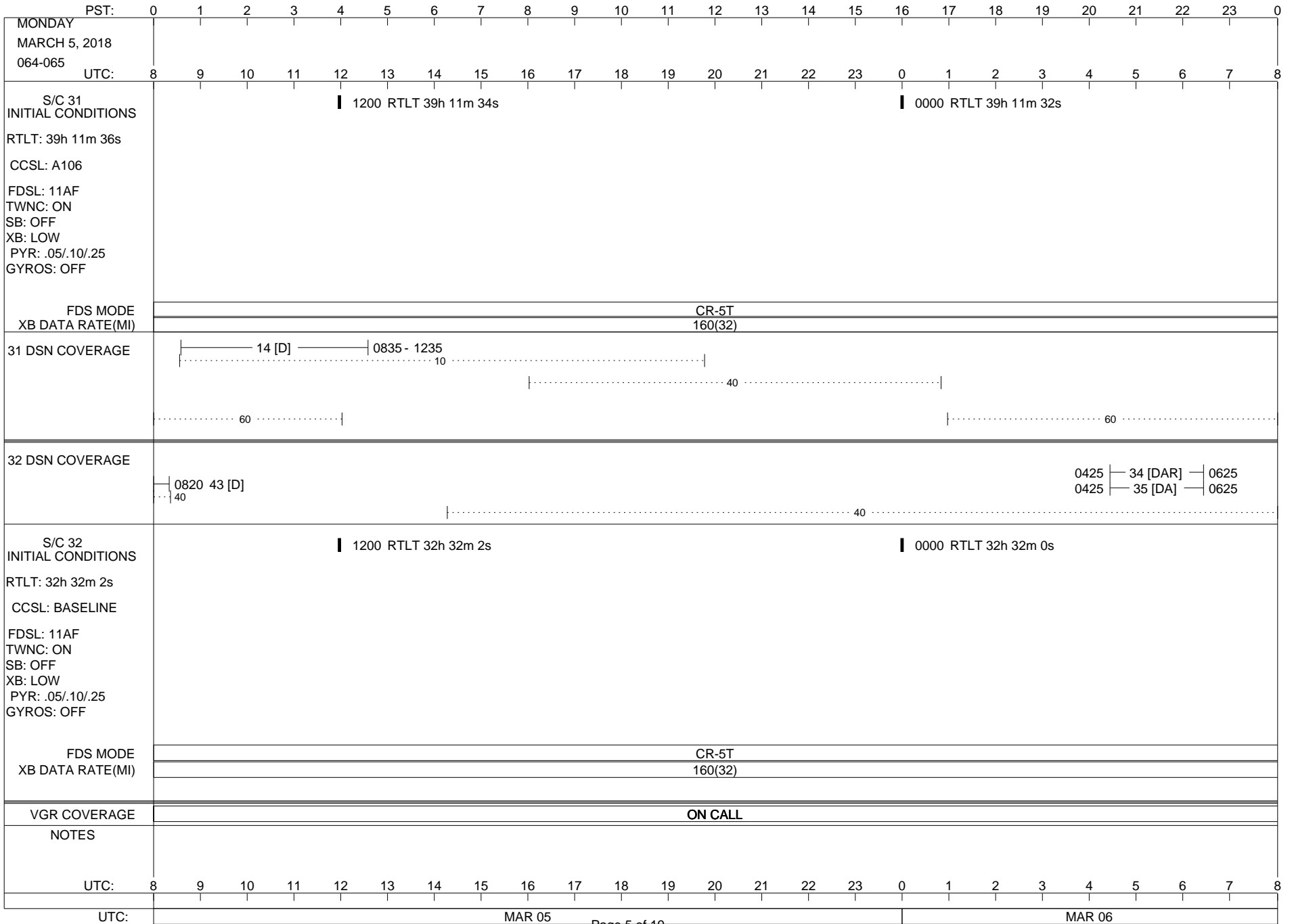
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SATURDAY MARCH 3, 2018 062-063																									
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S/C 31 INITIAL CONDITIONS RTLT: 39h 11m 46s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 39h 11m 44s												█ 0000 RTLT 39h 11m 40s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0950 |-----| 14 [D] |-----| 1515 |-----| 10 |-----|												0300 - 0715 |-----| 54 [DA] |-----| 0300 - 0715 |-----| 65 [DAR] |-----| |-----| 60 |-----|												
32 DSN COVERAGE	40 | 0830 43 [D] |-----| 1425 |-----| 43 [D] |-----| 2205 |-----| 40 |-----|												0310 |-----| 43 [D] |-----|												
S/C 32 INITIAL CONDITIONS RTLT: 32h 32m 8s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 32h 32m 6s												█ 0000 RTLT 32h 32m 6s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0442 XB=2.8K(41) NOT RECOVERABLE																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
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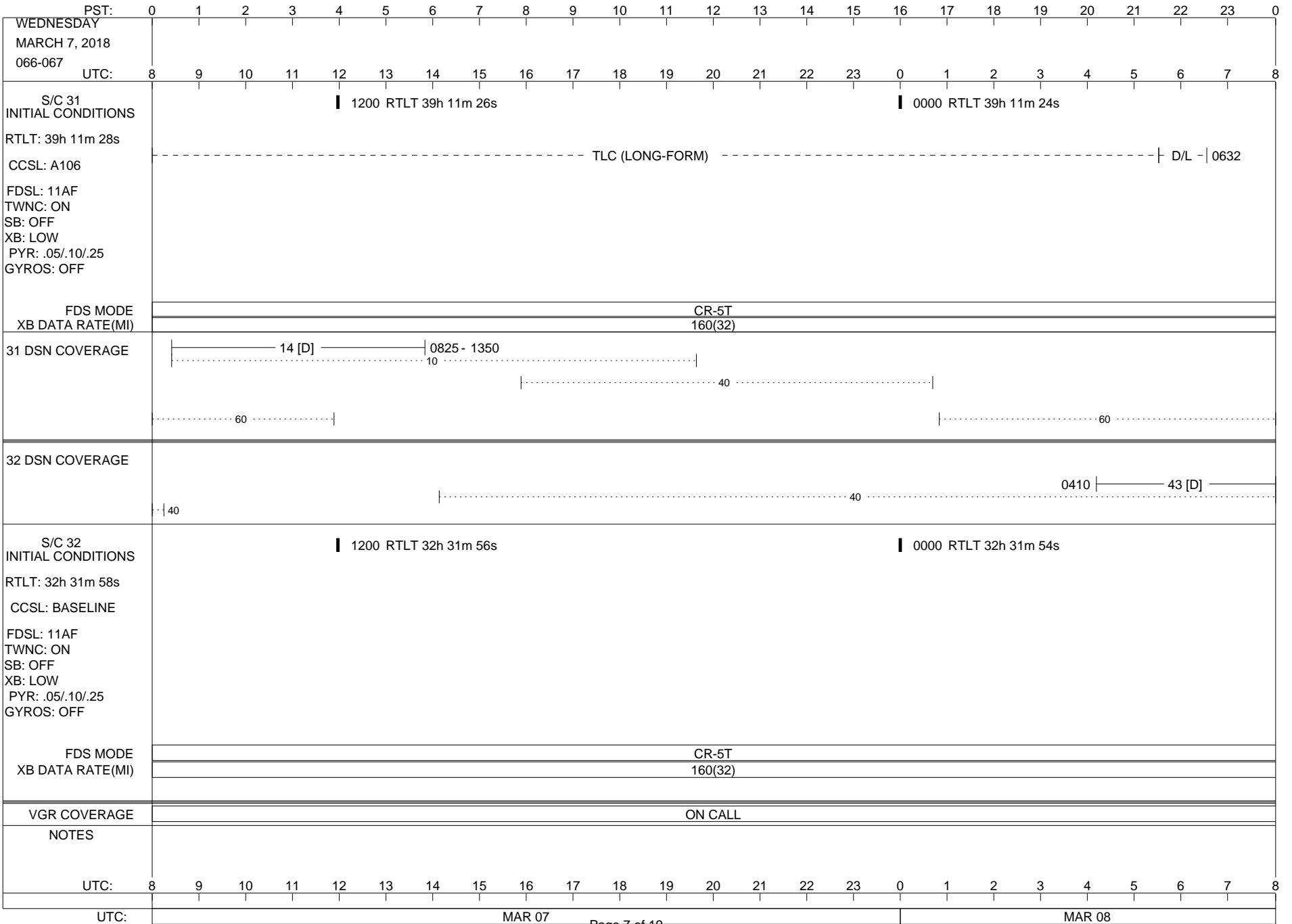
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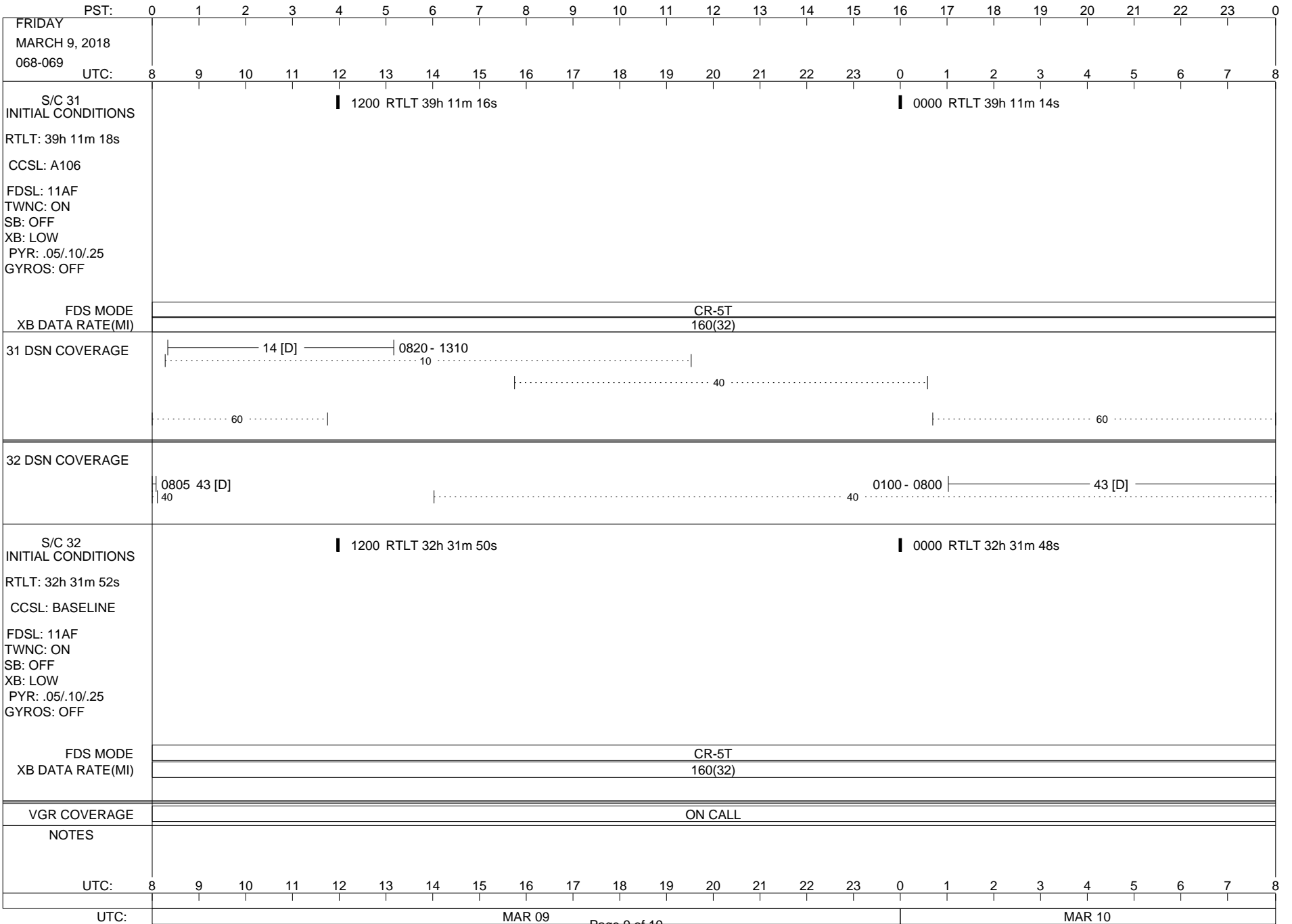
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THURSDAY MARCH 8, 2018 067-068	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 39h 11m 24s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 11m 22s												0000 RTLT 39h 11m 18s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 0825 - 1245.....10..... .....40..... .....60.....												0118 | 0120 PWS/RH 0130 | 0156 TAPPOS ↓ 0118 GS-4B 0120												
32 DSN COVERAGE	0810 43 [D] .....40.....												0530 | 43 [D] .....40.....												
S/C 32 INITIAL CONDITIONS RTLT: 32h 31m 54s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 31m 54s												0000 RTLT 32h 31m 52s												
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 @ 0118 XB=2.8K(41) NOT RECOVERABLE																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	MAR 08												MAR 09												

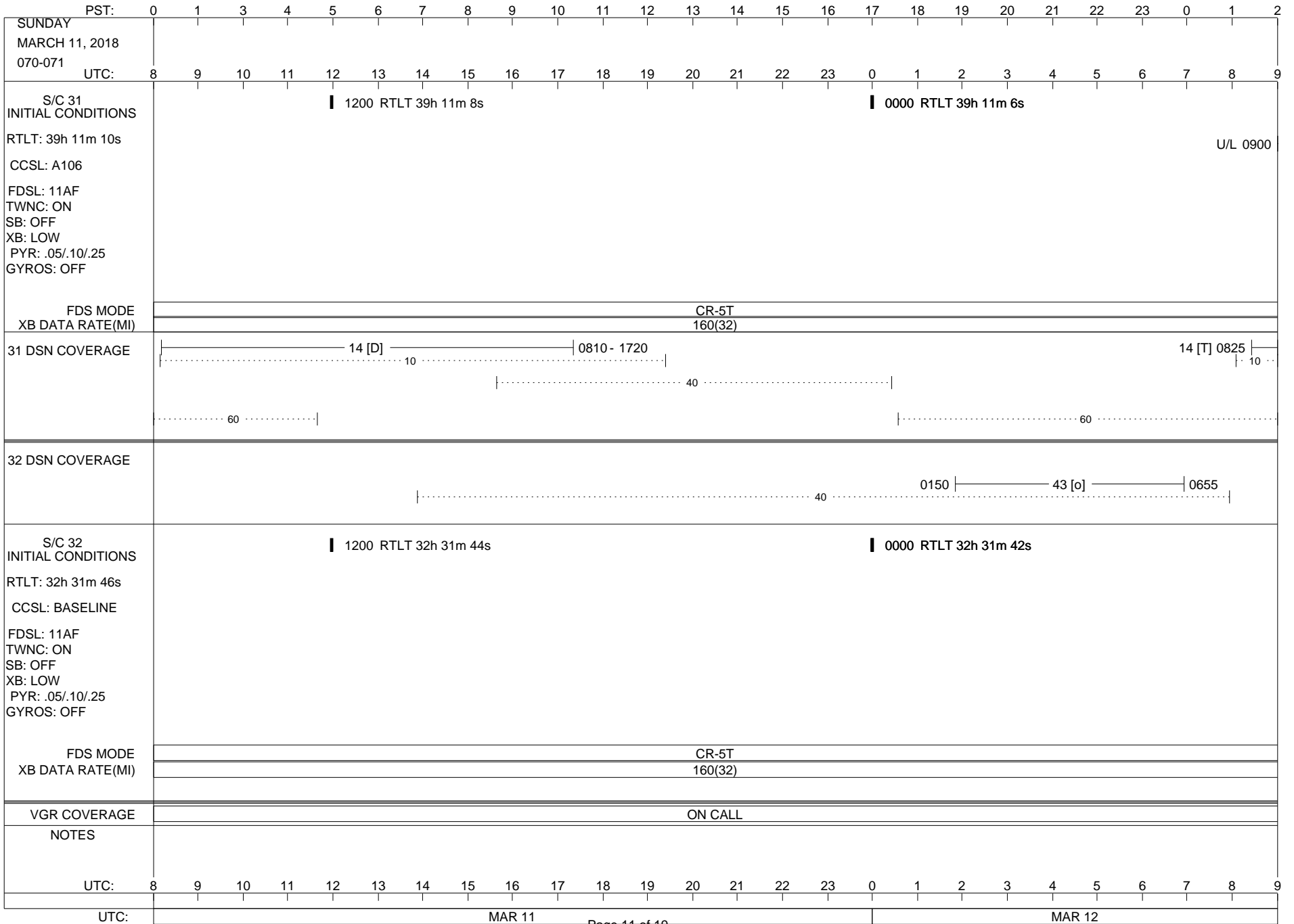
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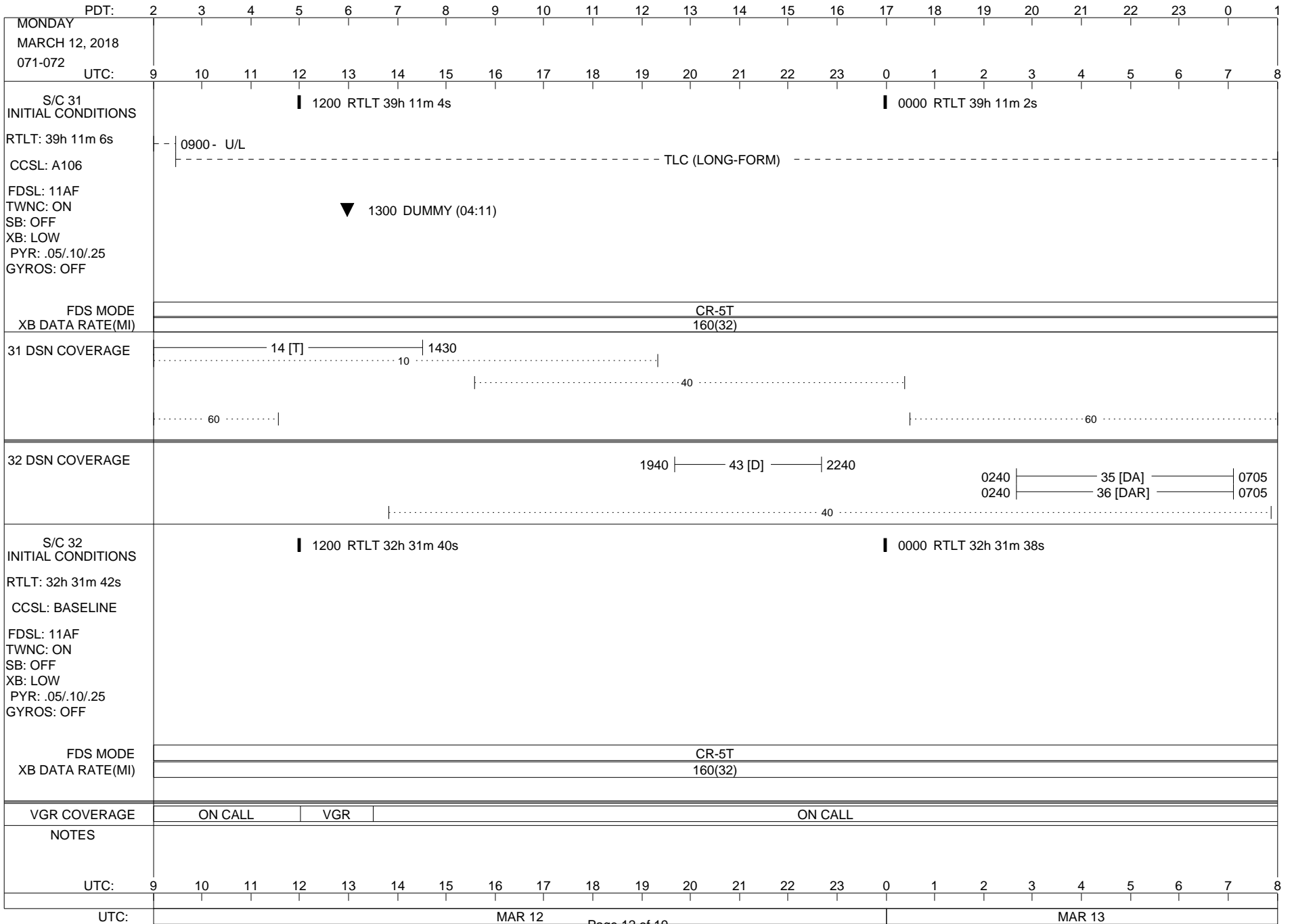
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SATURDAY MARCH 10, 2018 069-070	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 39h 11m 14s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 11m 12s												0000 RTLT 39h 11m 10s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1500 |-----| 14 [D] |-----| 1925												40 |-----| 60												
32 DSN COVERAGE	0800 43 [D] 40 |-----| 40												0225 - 0755 |-----| 43 [D]												
S/C 32 INITIAL CONDITIONS RTLT: 32h 31m 48s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 31m 48s												0000 RTLT 32h 31m 46s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0418 XB=2.8K(41) NOT RECOVERABLE																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	MAR 10												MAR 11												

ISSUE DATE: 02/26/18 07:34



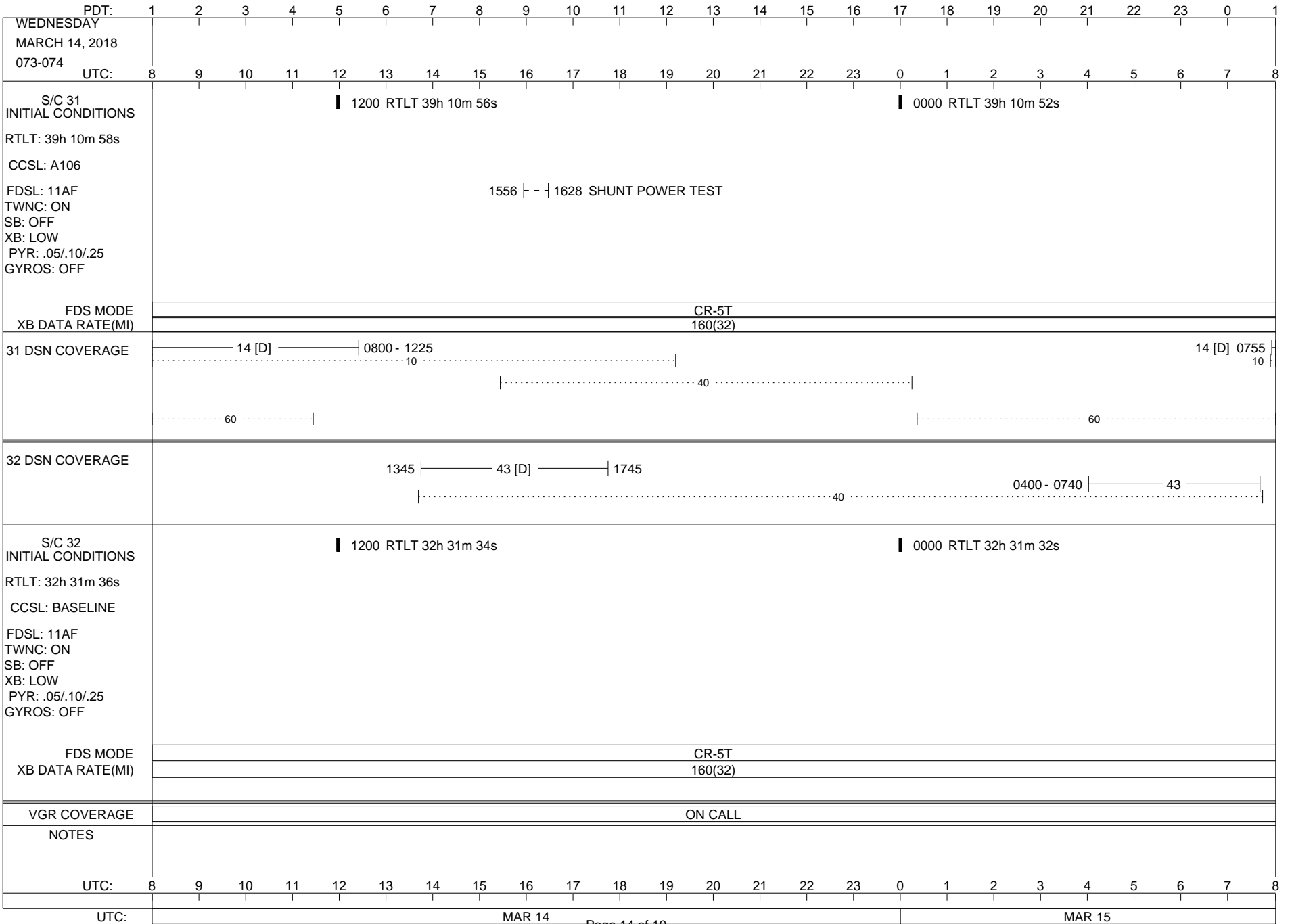
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ISSUE DATE: 02/26/18 07:34

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UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
TUESDAY MARCH 13, 2018 072-073																												
S/C 31 INITIAL CONDITIONS RTLTL: 39h 11m 2s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 11m 0s														0000 RTLT 39h 10m 58s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE	14 [D] 0805 - 1250														14 [D] 0800 - 10													
32 DSN COVERAGE	1345 43 [D] 1745														0630 - 0745 43 [D]													
S/C 32 INITIAL CONDITIONS RTLTL: 32h 31m 38s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 31m 38s														0000 RTLT 32h 31m 36s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	ON CALL																											
NOTES	[1] S/C 31=GS-4B @ 1841 XB=2.8K(41) NOT RECOVERABLE																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
UTC:	MAR 13														MAR 14													

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PDT:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	
THURSDAY MARCH 15, 2018 074-075																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS RTLT: 39h 10m 52s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 39h 10m 50s												█ 0000 RTLT 39h 10m 48s													
													2152 | - | 2219 TAPPOS 0054 | 0055 PWS/RH 0106 | 0118 TAPPOS													
													↓ 0054 GS-4B 0056													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	14 [D] | 1215												14 [D] 0750													
	..... 10 .....												..... 10											
	..... 60 .....												..... 60											
32 DSN COVERAGE													1900 | 43 [D] | 0130													
	..... 40 .....												..... 40											
S/C 32 INITIAL CONDITIONS RTLT: 32h 31m 32s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 32h 31m 30s												█ 0000 RTLT 32h 31m 28s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 0054 XB=2.8K(41) NOT RECOVERABLE																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
UTC:	MAR 15													MAR 16												

ISSUE DATE: 02/26/18 07:34

PDT:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1			
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
SATURDAY MARCH 17, 2018 076-077																												
S/C 31 INITIAL CONDITIONS RTLTL: 39h 10m 44s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 39h 10m 42s														0000 RTLTL 39h 10m 40s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	0935 |----- 24 [DA] -----| 1655 0935 |----- 26 [DAR] -----| 1655														14 [D] 0745 |----- 10 |-----													
	.....60.....|														.....40.....|													
	.....60.....|														.....60.....|													
32 DSN COVERAGE	1330 |----- 43 [D] -----| 1730														0320 - 0720 |----- 43 [D] -----|													
	.....40.....|														.....40.....|													
S/C 32 INITIAL CONDITIONS RTLTL: 32h 31m 24s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 32h 31m 22s														0000 RTLTL 32h 31m 20s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
VGR COVERAGE	ON CALL																											
NOTES	[1] S/C 31=GS-4B @ 0354 XB=2.8K(41) NOT RECOVERABLE																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
UTC:	MAR 17														MAR 18													

ISSUE DATE: 02/26/18 07:34

PDT:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1		
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
SUNDAY MARCH 18, 2018 077-078																											
S/C 31 INITIAL CONDITIONS RTLT: 39h 10m 40s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 10m 38s													0000 RTLT 39h 10m 36s													
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	14 [D] | 1345										14 [D] 0740 |																
32 DSN COVERAGE	1330 | 43 [o] | 2120													0400 | 43 [D] | 0600													
S/C 32 INITIAL CONDITIONS RTLT: 32h 31m 20s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 31m 18s													0000 RTLT 32h 31m 16s													
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE	ON CALL																										
NOTES																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
UTC:	MAR 18													MAR 19													

ISSUE DATE: 02/26/18 07:34

PDT:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1		
MONDAY MARCH 19, 2018 078-079																											
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S/C 31 INITIAL CONDITIONS RTLT: 39h 10m 36s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 39h 10m 34s</p> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>14 [D] | 1140</p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>2030 | 43 [D] | 2240</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 32h 31m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 32h 31m 14s</p> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE	ON CALL																										
NOTES																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
UTC:	MAR 19													MAR 20													