

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: March 14, 2018

For the Period: 03/15/18 to 04/02/18 (18/074 – 18/092)

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: 03/14/18 09:02

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 MARCH 15, 2018 074-075																									
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 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												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0755 |----- 14 [D] -----| 1215 |----- 10 -----| |----- 40 -----| |----- 60 -----|												2152 | - | 2219 TAPPOS 0054 | 0055 PWS/RH 0106 | 0118 TAPPOS ↓ 0054 GS-4B 0056												
32 DSN COVERAGE	| 0740 43 [o] |----- 40 -----|												1900 |----- 43 [D] -----| 0130 |----- 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	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0054 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 15												MAR 16												

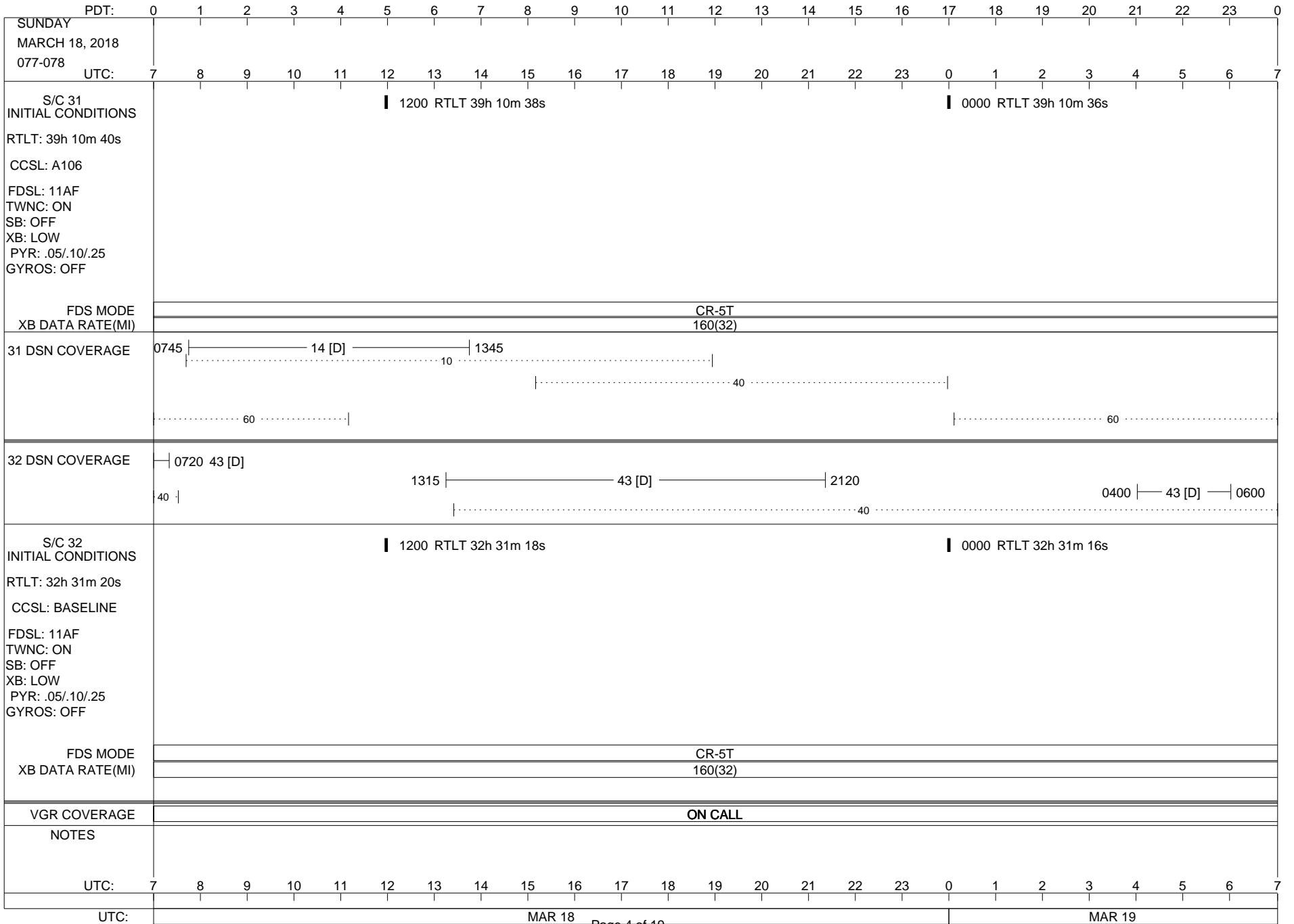
ISSUE DATE: 03/14/18 09:02

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FRIDAY MARCH 16, 2018 075-076																									
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S/C 31 INITIAL CONDITIONS RTLT: 39h 10m 48s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 10m 46s												0000 RTLT 39h 10m 44s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	0750	|-----14 [D]-----| 1335												|-----40-----|											
		|-----10-----|												|-----60-----|											
32 DSN COVERAGE	40	|-----1335-----43 [D]-----| 1735												|-----40-----| 0325 |-----43 [D]-----|											
S/C 32 INITIAL CONDITIONS RTLT: 32h 31m 28s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 31m 26s												| 0000 RTLT 32h 31m 24s												
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 16												MAR 17												

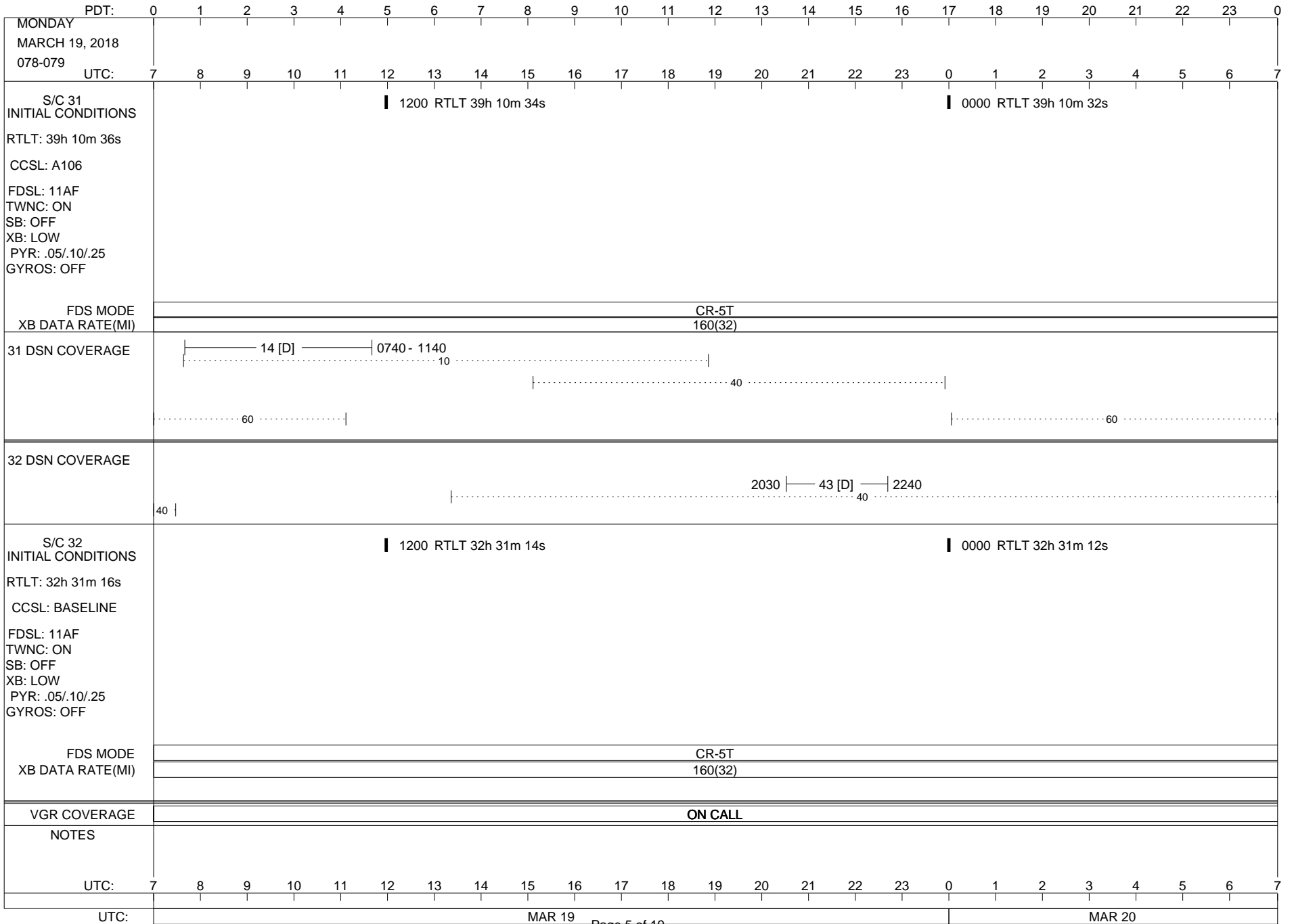
ISSUE DATE: 03/14/18 09:02

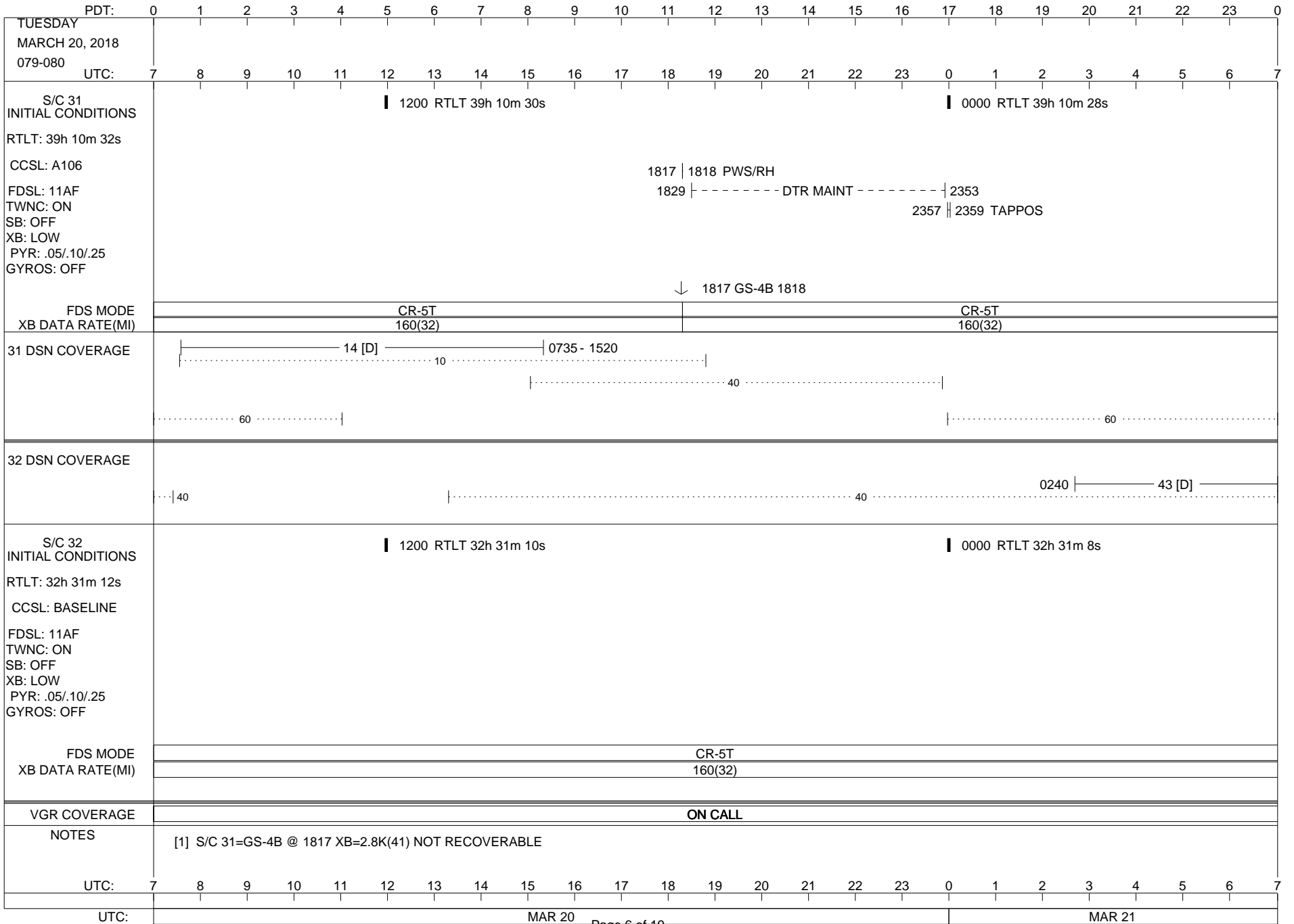
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SATURDAY MARCH 17, 2018 076-077	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 10m 44s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 10m 42s												0000 RTLT 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 |-----| 10 |-----| 40 |-----| 60 |-----| 60																								
32 DSN COVERAGE	|-----| 40 |-----| 0735 43 [D] |-----| 1330 |-----| 43 [D] |-----| 1730 |-----| 40												|-----| 0320 |-----| 43 [D]												
S/C 32 INITIAL CONDITIONS RTLT: 32h 31m 24s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 31m 22s												0000 RTLT 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:	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 17												MAR 18												

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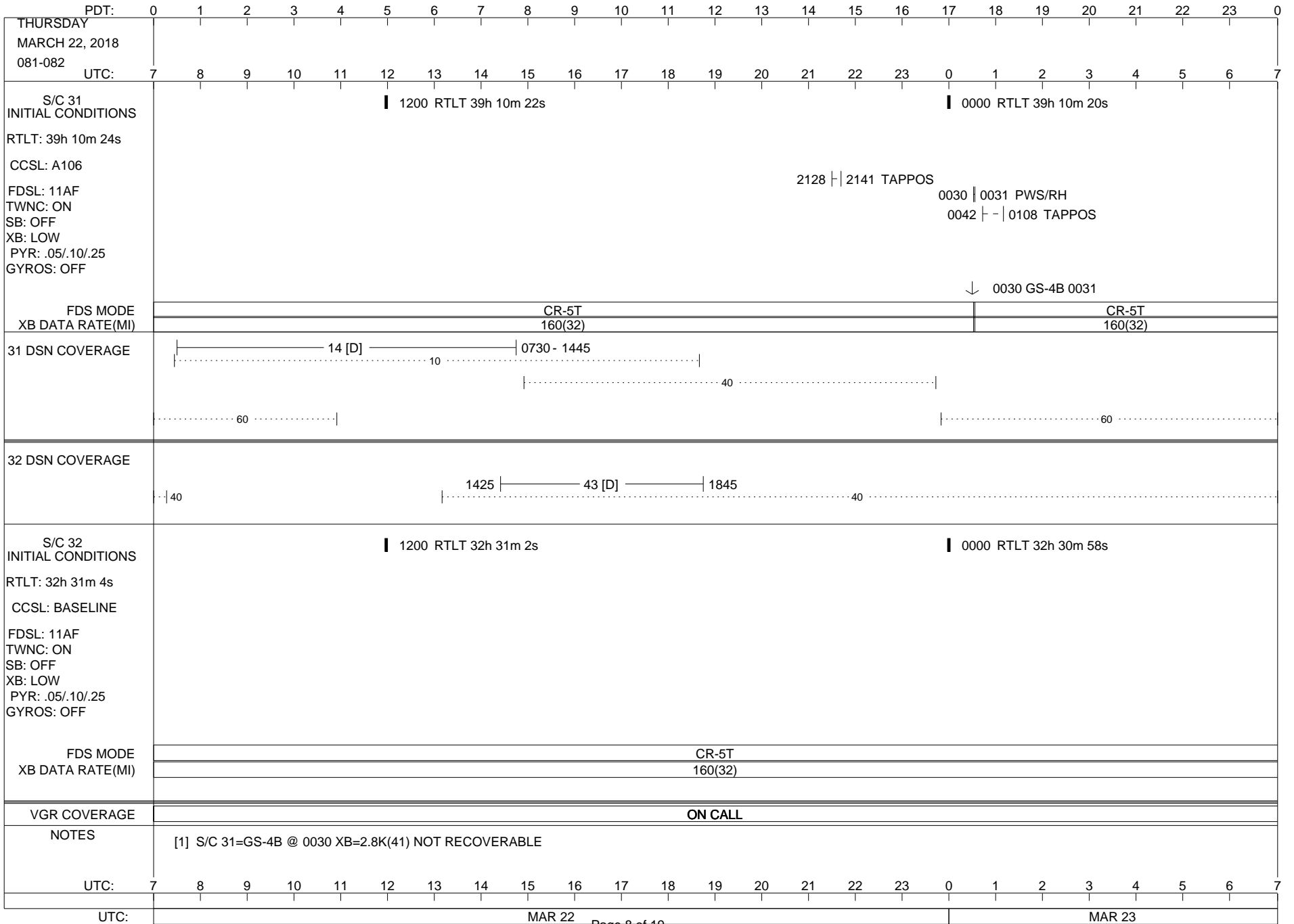




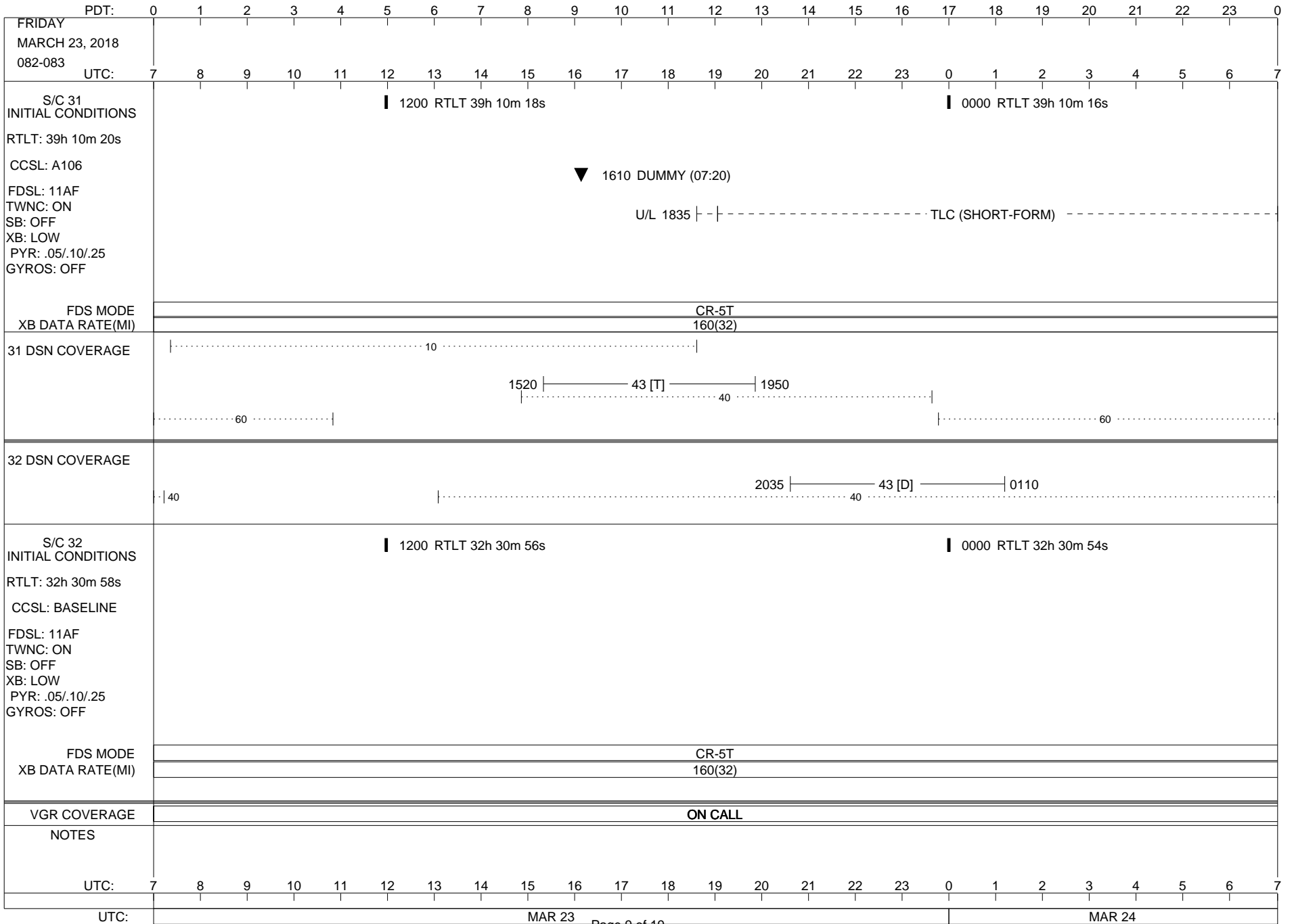
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WEDNESDAY MARCH 21, 2018 080-081																												
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLT: 39h 10m 28s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 39h 10m 26s												| 0000 RTLT 39h 10m 24s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	0750 |----- 14 [D] -----| 1645 |----- 10 -----| |----- 40 -----| |----- 60 -----|																											
32 DSN COVERAGE	| 0720 43 [D] | |----- 40 -----|												2020 |----- 43 [D] -----| 0045 |----- 40 -----|															
S/C 32 INITIAL CONDITIONS RTLT: 32h 31m 8s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 31m 6s												| 0000 RTLT 32h 31m 4s															
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:	MAR 21														MAR 22													

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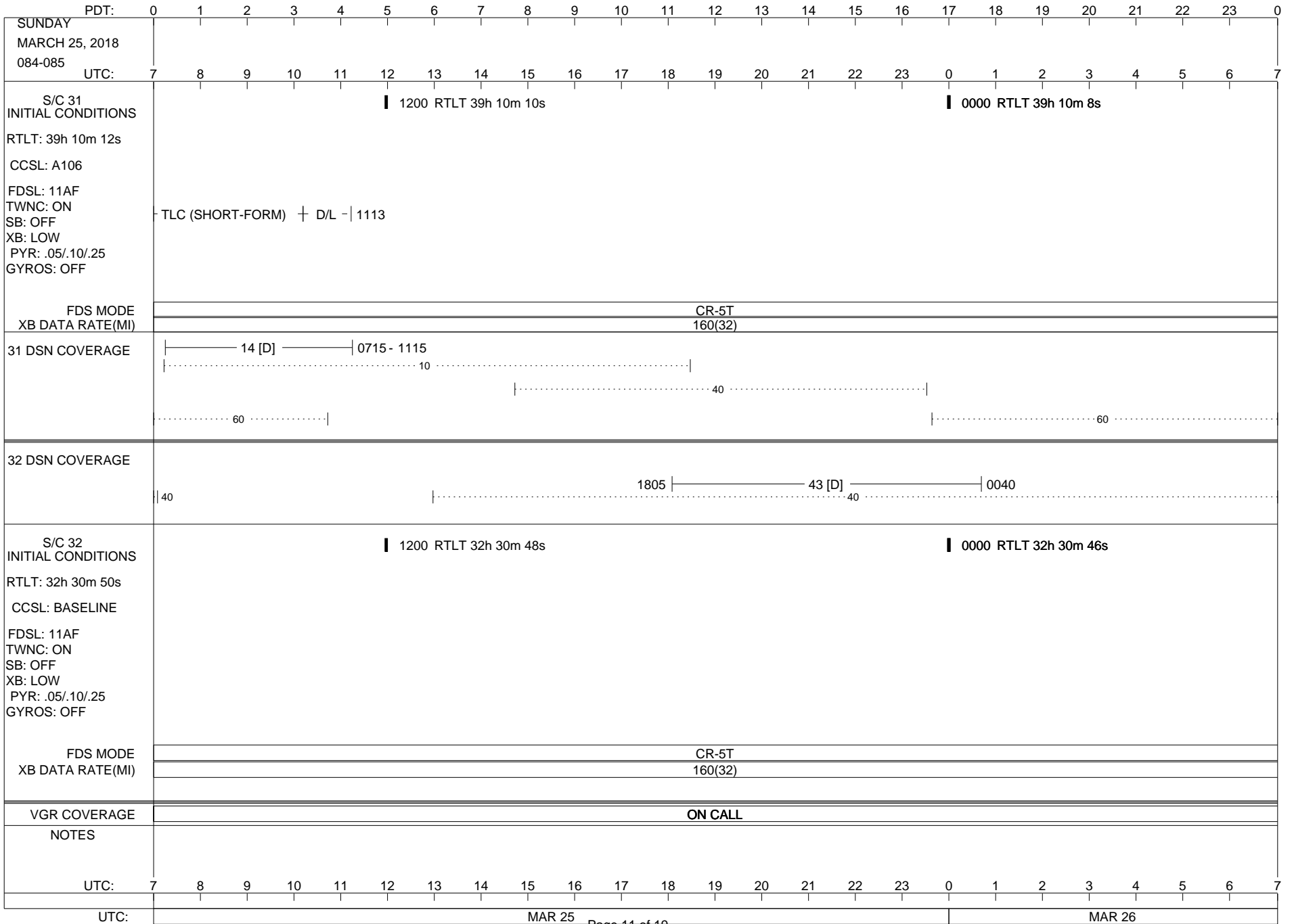
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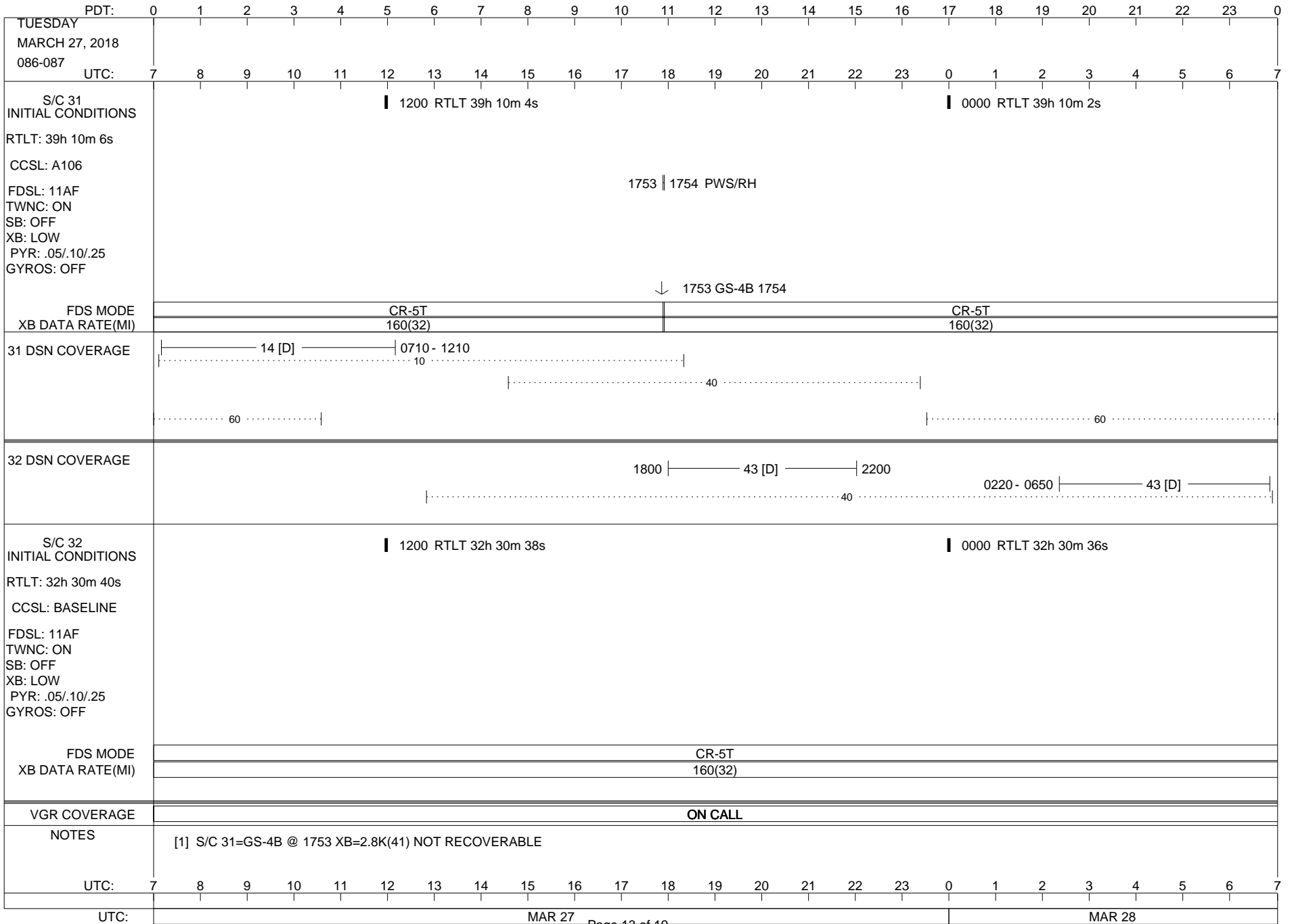
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SATURDAY MARCH 24, 2018 083-084	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 39h 10m 16s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 39h 10m 14s												| 0000 RTLTL 39h 10m 12s													
													0028 | - | 0054 TAPPOS 0330 | | 0331 PWS/RH 0342 | - - | 0422 TAPPOS													
	----- TLC (SHORT-FORM) -----																									
	↓ 0330 GS-4B 0331																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	| ..... 10 ..... | | ..... 1815 |----- 43 [D] -----| 2240 | | ..... 60 ..... | ..... 40 ..... | ..... 60 ..... |																									
32 DSN COVERAGE	| 40 ..... | 1305 |----- 43 [o] -----| 1725 40 ..... |																									
S/C 32 INITIAL CONDITIONS RTLTL: 32h 30m 54s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 32h 30m 52s												| 0000 RTLTL 32h 30m 50s													
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 @ 0330 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 24													MAR 25												

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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
MONDAY MARCH 26, 2018 085-086	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 10m 8s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 10m 8s												0000 RTLT 39h 10m 6s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0715 - 1125.....10.....												.....40..... .....60.....											
32 DSN COVERAGE	1255 43 [D] 1655.....40.....												0405 - 0650 43 [D] .....40.....												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 30m 46s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 30m 44s												0000 RTLT 32h 30m 40s												
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 26												MAR 27												



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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 MARCH 28, 2018 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 RTLT: 39h 10m 2s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 10m 0s												0000 RTLT 39h 9m 58s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	14 [D] 0735 - 1325																											
	60										40																	
											60																	
32 DSN COVERAGE	1250 43 [D] 1650												0335 - 0650 43 [D]															
													40															
S/C 32 INITIAL CONDITIONS RTLT: 32h 30m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 30m 34s												0000 RTLT 32h 30m 32s															
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:	MAR 28														MAR 29													

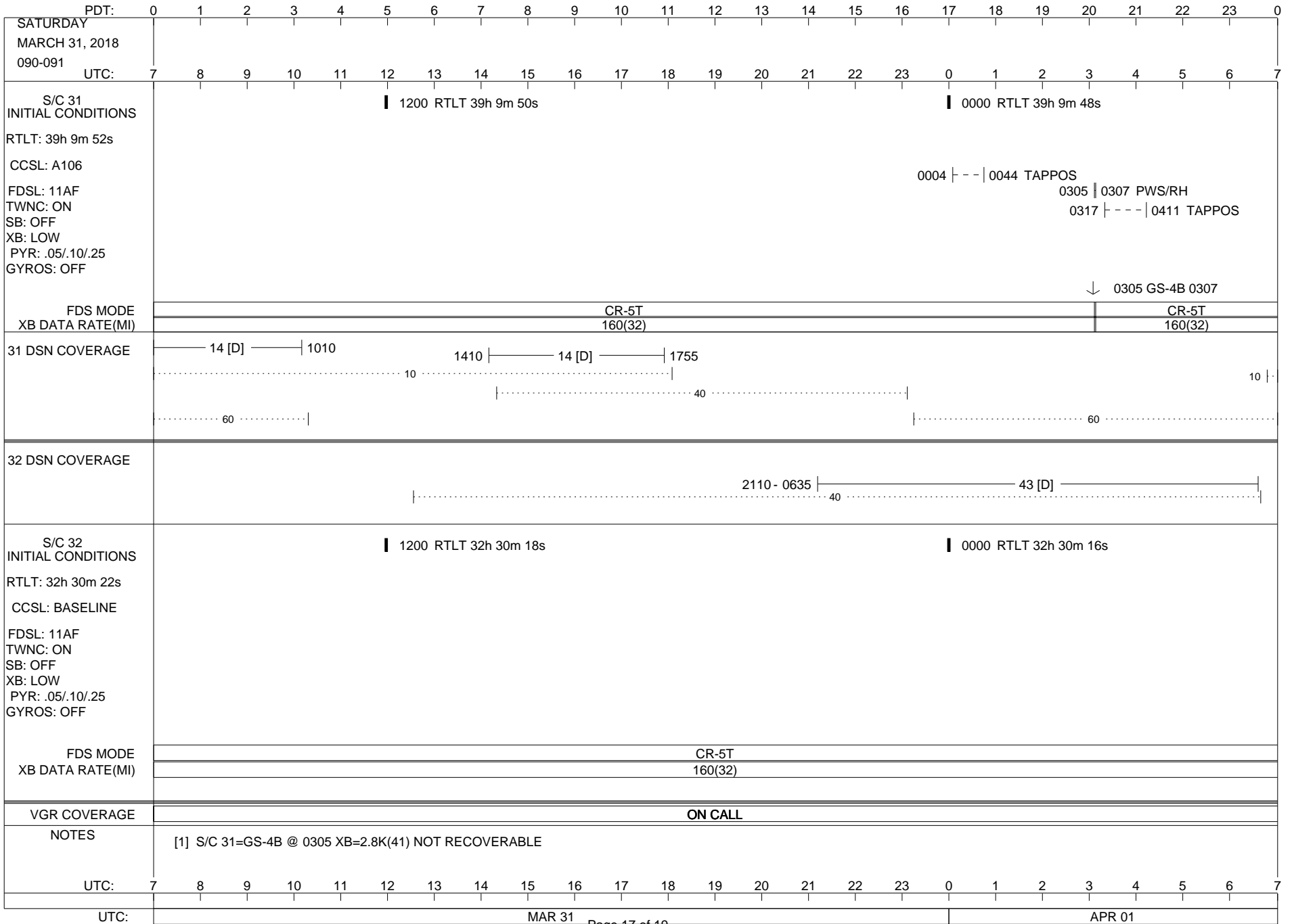
ISSUE DATE: 03/14/18 09:02

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 MARCH 29, 2018 088-089																									
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 9m 58s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 39h 9m 56s												█ 0000 RTLTL 39h 9m 56s												
													2104 | - | 2130 TAPPOS 0005 | 0007 PWS/RH 0017 | - - | 0058 TAPPOS												
													↓ 0005 GS-4B 0007												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	.....| 10 .....|										14 [D] 0700 10 |														
											1850 |----- 43 [D] -----| 2250 40 .....|														
	.....| 60 .....|										.....| 60 .....|														
32 DSN COVERAGE	1245 |----- 43 [o] -----| 1800												0350 - 0645 |----- 43 [D] -----|												
													40 .....|												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 30m 32s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 32h 30m 28s												█ 0000 RTLTL 32h 30m 26s												
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 @ 0005 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 29												MAR 30												

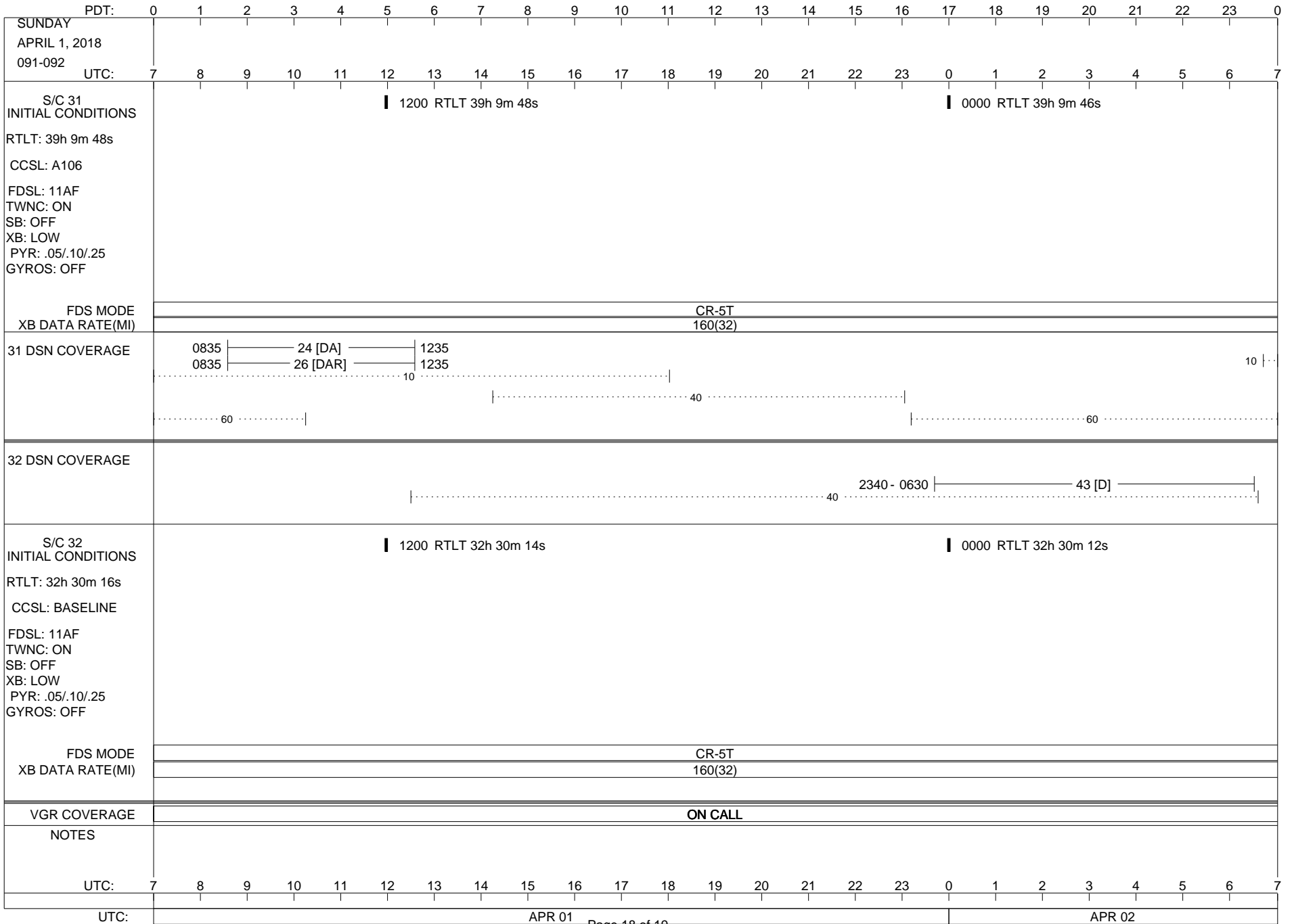
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FRIDAY MARCH 30, 2018 089-090	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 9m 56s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 39h 9m 54s												| 0000 RTLT 39h 9m 52s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	14 [D] | 0700 - 1300												14 [D] 0655 |												
	.....10.....|.....40.....|												.....10.....|												
	.....60.....|												.....60.....|												
32 DSN COVERAGE													2300 - 0640 | 43 [D] |												
													.....40.....|												
S/C 32 INITIAL CONDITIONS RTLT: 32h 30m 26s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 30m 24s												| 0000 RTLT 32h 30m 22s												
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 30												MAR 31												

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ISSUE DATE: 03/14/18 09:02

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 APRIL 2, 2018 092-093																											
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 46s 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 9m 44s</p> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>1200 |----- 14 [D] -----| 1600</p> <p>.....10.....|.....40.....|</p> <p>.....60.....|</p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>1215 |----- 43 [D] -----| 1630</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 32h 30m 12s 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 30m 10s</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:	APR 02													APR 03													