

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: March 21, 2018

For the Period: 03/22/18 to 04/09/18 (18/081 – 18/099)

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.	

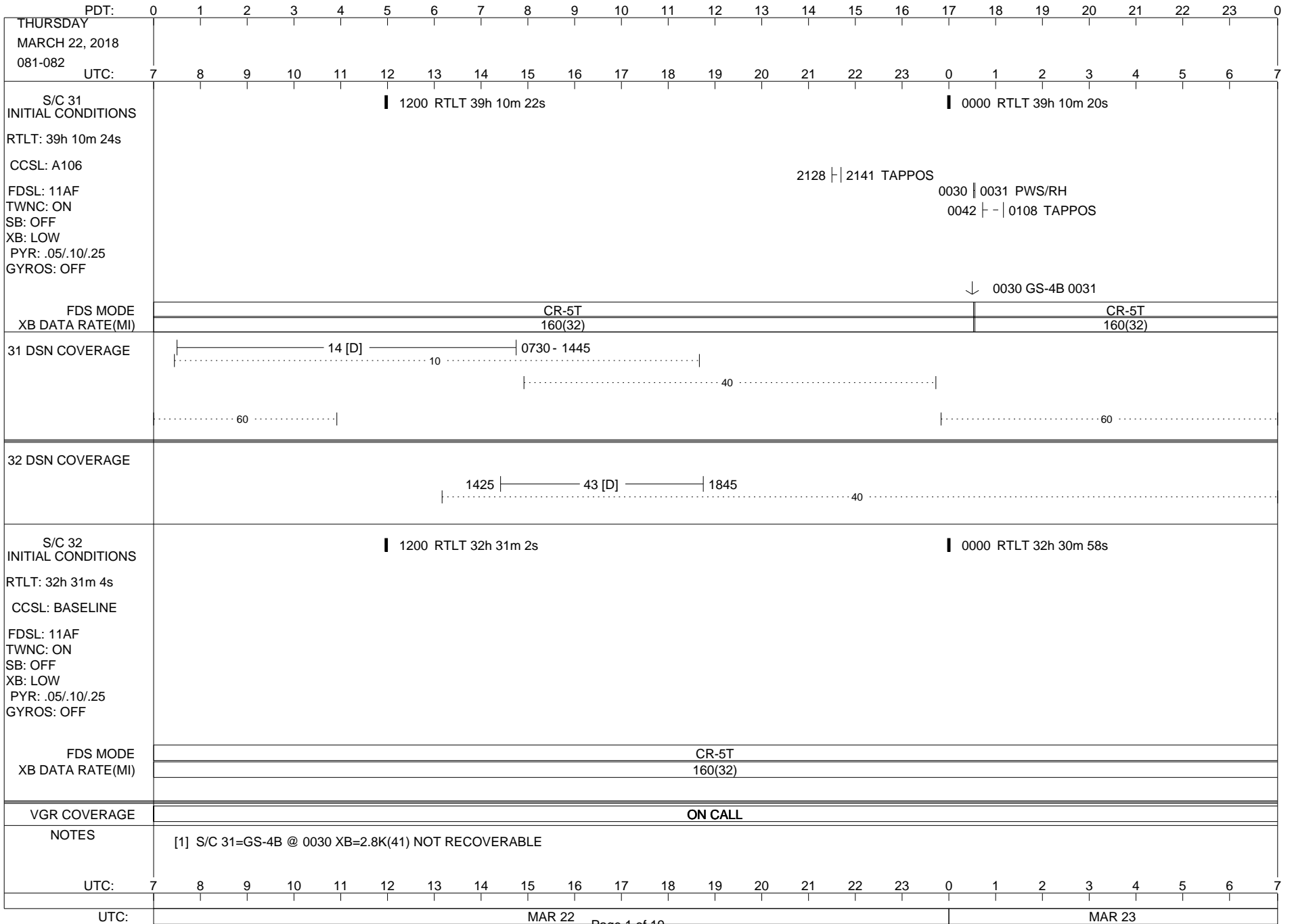
LEGEND:

- ∇ = 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

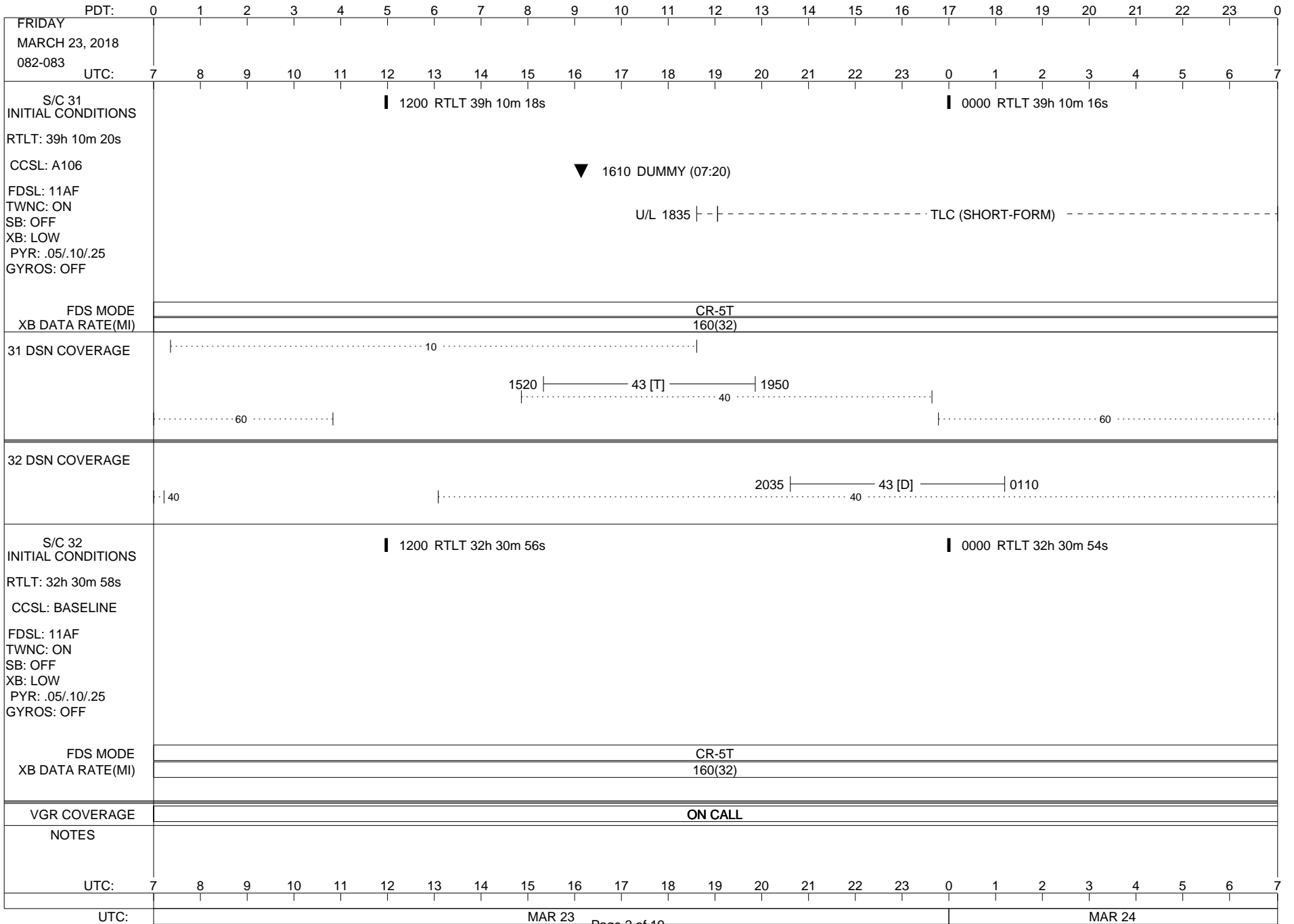
Posted at http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html

02/27/17

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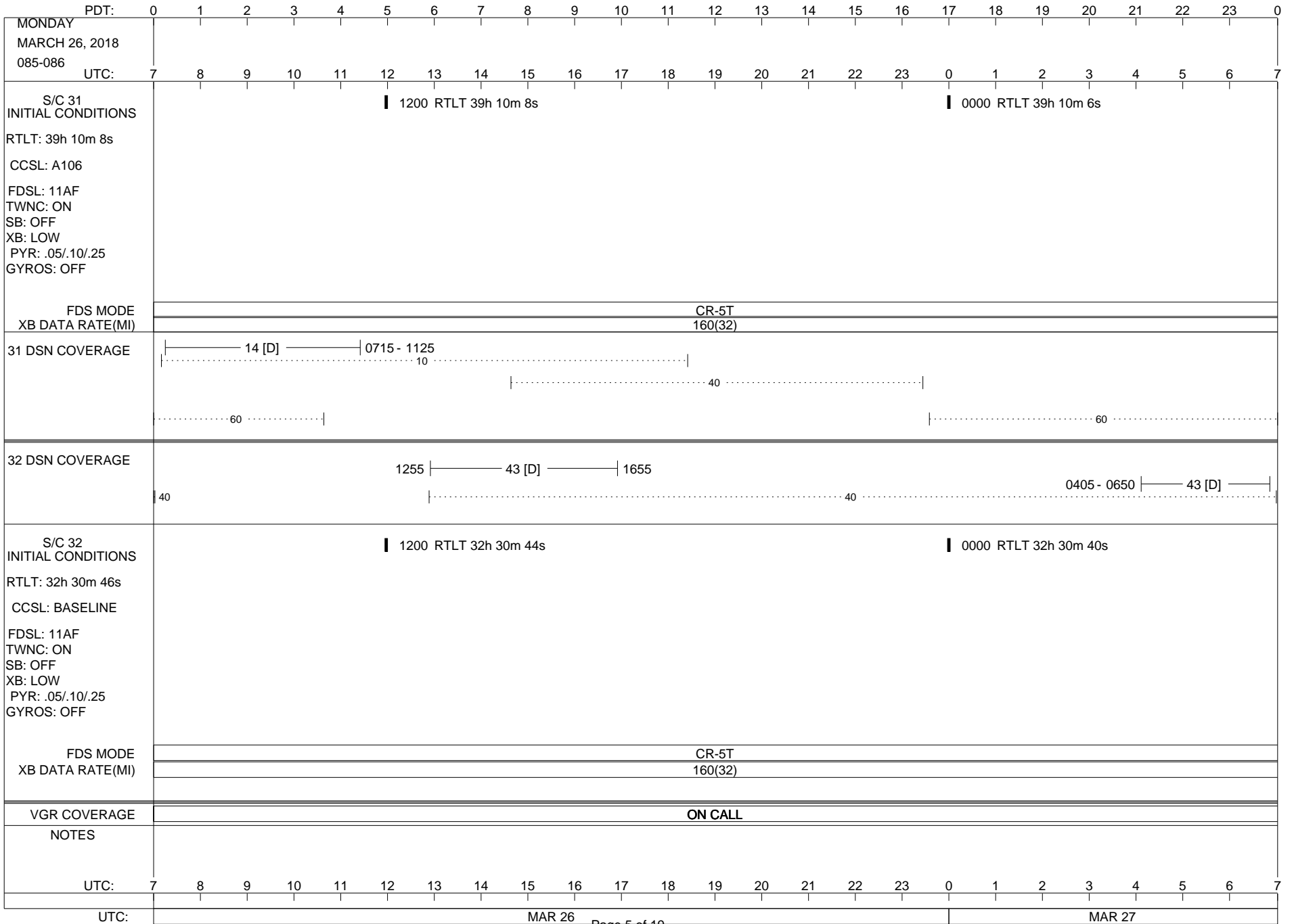


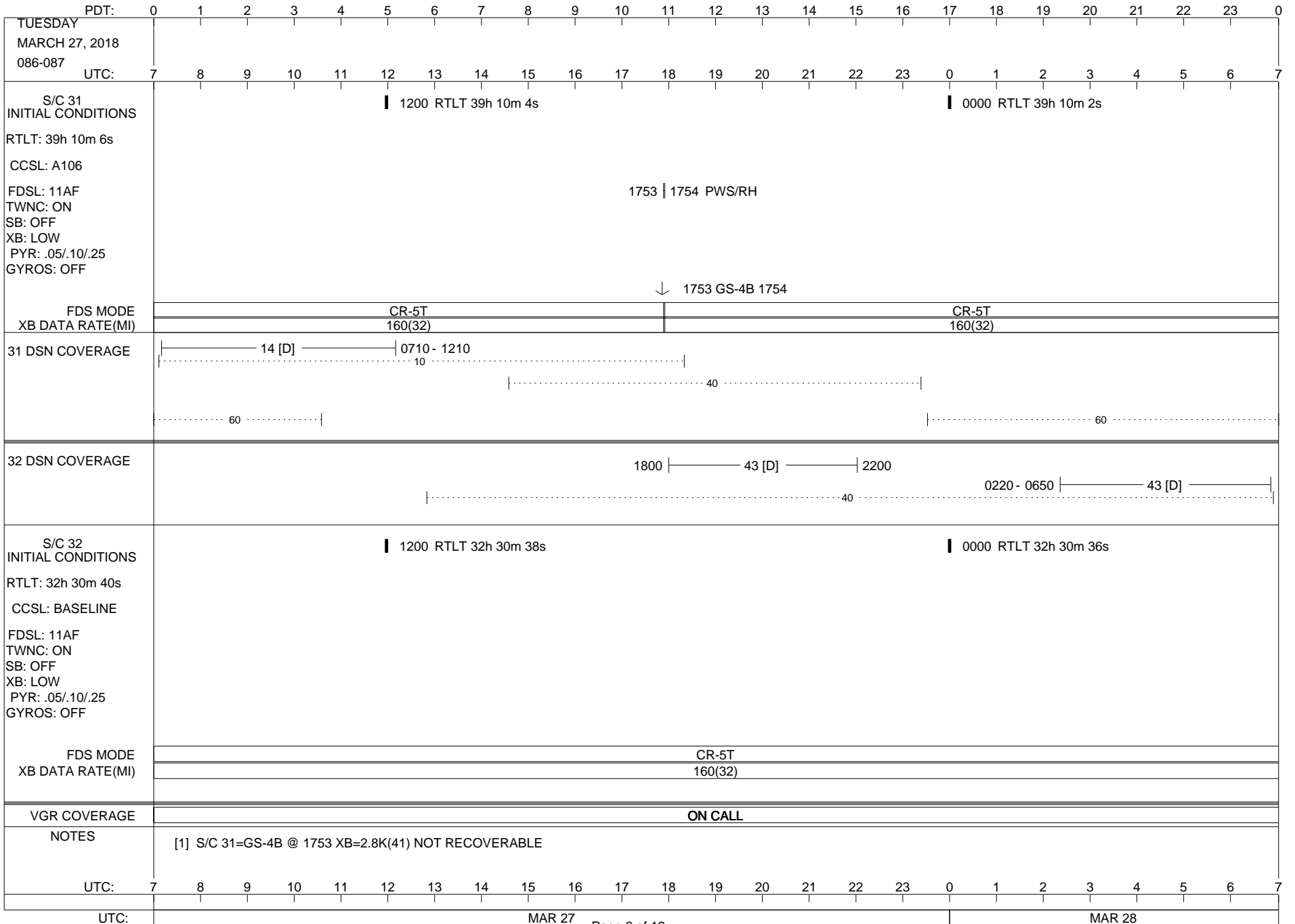
ISSUE DATE: 03/21/18 11:36

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SATURDAY MARCH 24, 2018 083-084																									
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 14s												| 0000 RTLT 39h 10m 12s												
RTLT: 39h 10m 16s													0028 | - | 0054 TAPPOS												
CCSL: A106													0330 | | 0331 PWS/RH												
FDSL: 11AF													0342 | - - | 0422 TAPPOS												
TWNC: ON																									
SB: OFF													----- TLC (SHORT-FORM) -----												
XB: LOW																									
PYR: .05/.10/.25																									
GYROS: OFF																									
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 ..... |												| ..... 60 ..... |												
32 DSN COVERAGE	| 40												| 1305 |----- 43 [o] -----| 1725												
	| ..... 40 ..... |												| ..... 40 ..... |												
S/C 32 INITIAL CONDITIONS	| 1200 RTLT 32h 30m 52s												| 0000 RTLT 32h 30m 50s												
RTLT: 32h 30m 54s																									
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													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												

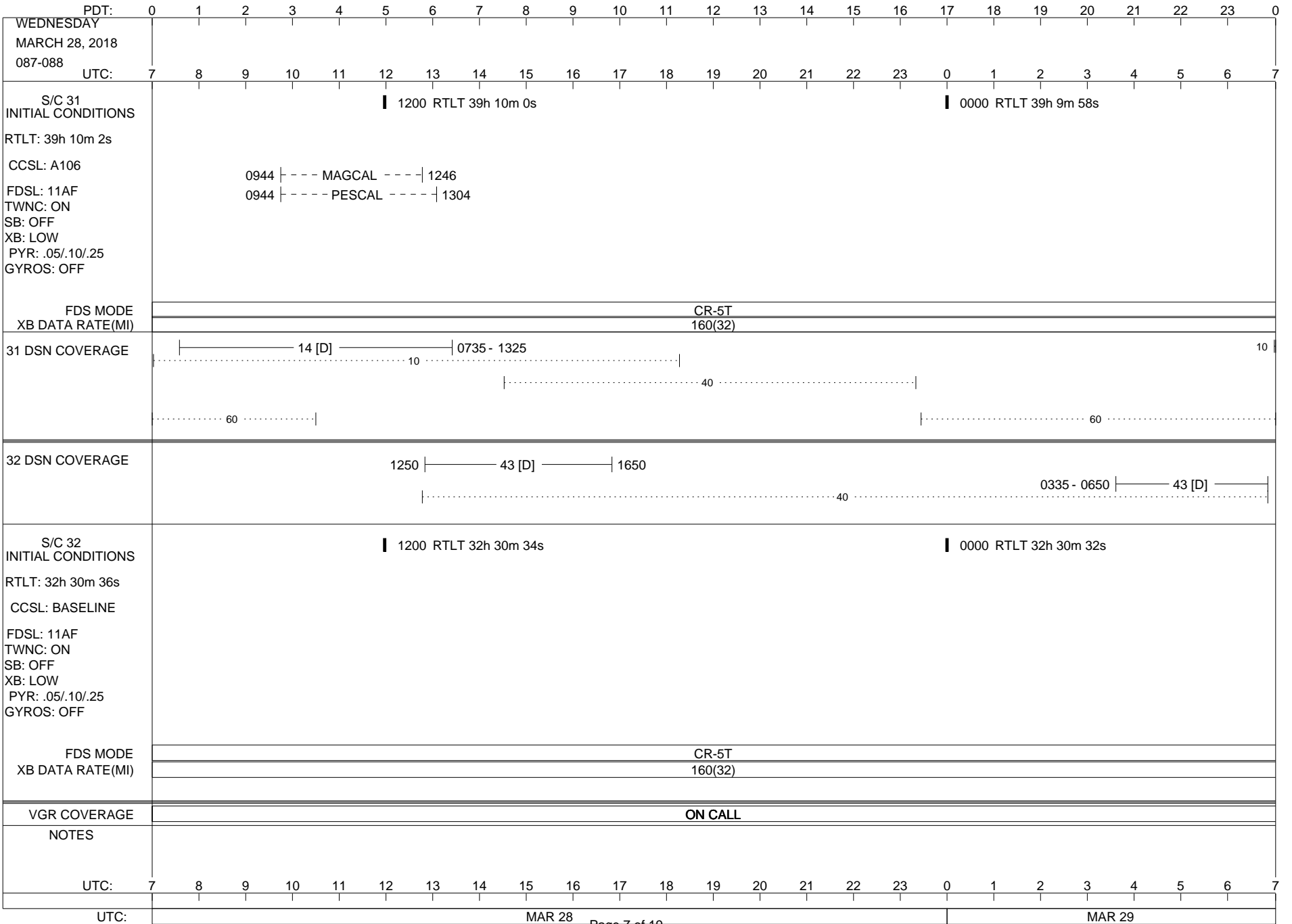
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SUNDAY MARCH 25, 2018 084-085																									
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S/C 31 INITIAL CONDITIONS RTLT: 39h 10m 12s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 10m 10s												0000 RTLT 39h 10m 8s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 0715 - 1115 .....| .....| .....| .....|												40 .....| .....| .....| .....|												
32 DSN COVERAGE	40 .....| .....| .....| .....|												1805 43 [D] 0040 .....| .....| .....| .....|												
S/C 32 INITIAL CONDITIONS RTLT: 32h 30m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 30m 48s												0000 RTLT 32h 30m 46s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												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 25												MAR 26												

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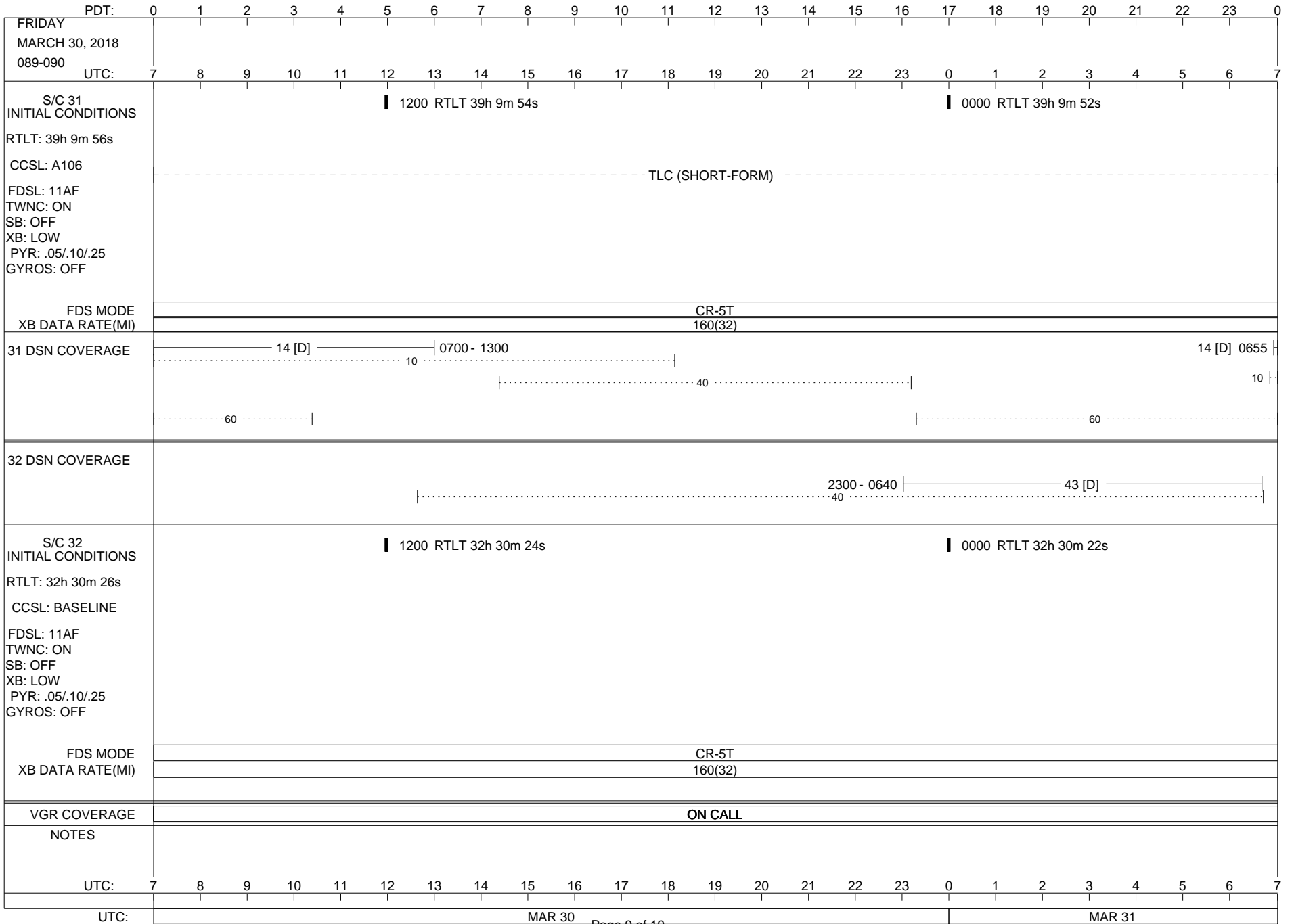


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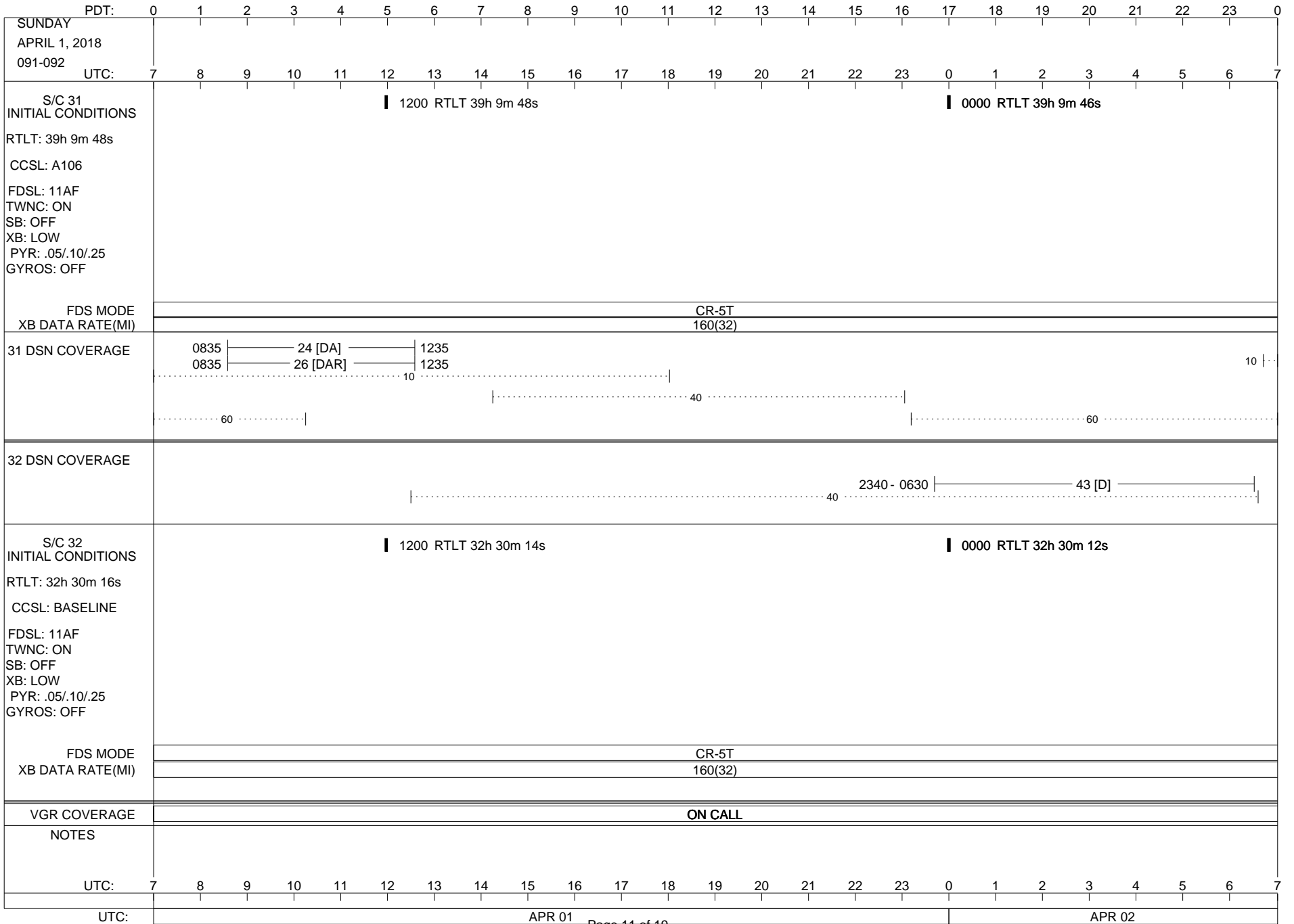
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THURSDAY																												
MARCH 29, 2018																												
088-089																												
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS		1200 RTLT 39h 9m 56s													0000 RTLT 39h 9m 56s													
RTLT: 39h 9m 58s																												
CCSL: A106																												
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)													
31 DSN COVERAGE		<p>..... 10 ..... | 14 [D] 0700</p> <p>1905 |----- 43 [T] -----| 2250</p> <p>..... 40 ..... |</p> <p>..... 60 ..... | ..... 60</p>																										
32 DSN COVERAGE		<p>1245 |----- 43 [o] -----| 1800</p> <p>..... 40 ..... | 0350 - 0645 |----- 43 [D] -----|</p>																										
S/C 32 INITIAL CONDITIONS		1200 RTLT 32h 30m 28s													0000 RTLT 32h 30m 26s													
RTLT: 32h 30m 32s																												
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		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													



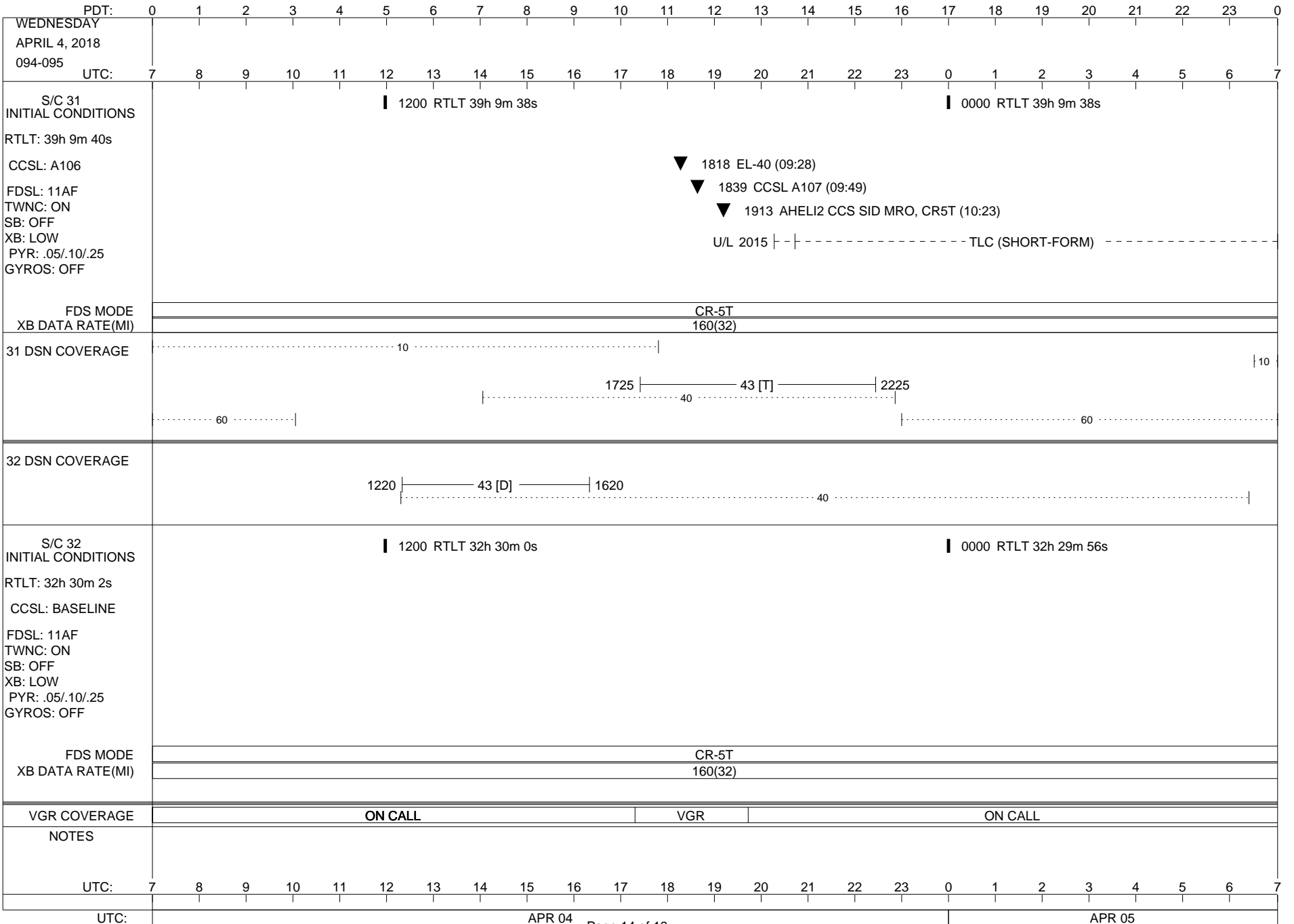
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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
SATURDAY MARCH 31, 2018 090-091	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 9m 52s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 9m 50s												0000 RTLT 39h 9m 48s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] | 1010 1410 | 14 [D] | 1755 10 ..... | ..... 10 | | ..... 40 ..... | 60 ..... | ..... 60												10 |												
32 DSN COVERAGE	2110 - 0635 | 40												43 [D] |												
S/C 32 INITIAL CONDITIONS RTLT: 32h 30m 22s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 30m 18s												0000 RTLT 32h 30m 16s												
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 @ 0305 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 31												APR 01												



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 RTLTL: 39h 9m 46s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 39h 9m 44s												█ 0000 RTLTL 39h 9m 42s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	1200 |-----| 14 [D] |-----| 1600												10 |-----| 40 |-----| 60												
32 DSN COVERAGE	1215 |-----| 43 [D] |-----| 1630												40 |-----| 60												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 30m 12s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 32h 30m 10s												█ 0000 RTLTL 32h 30m 6s												
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:	APR 02												APR 03												

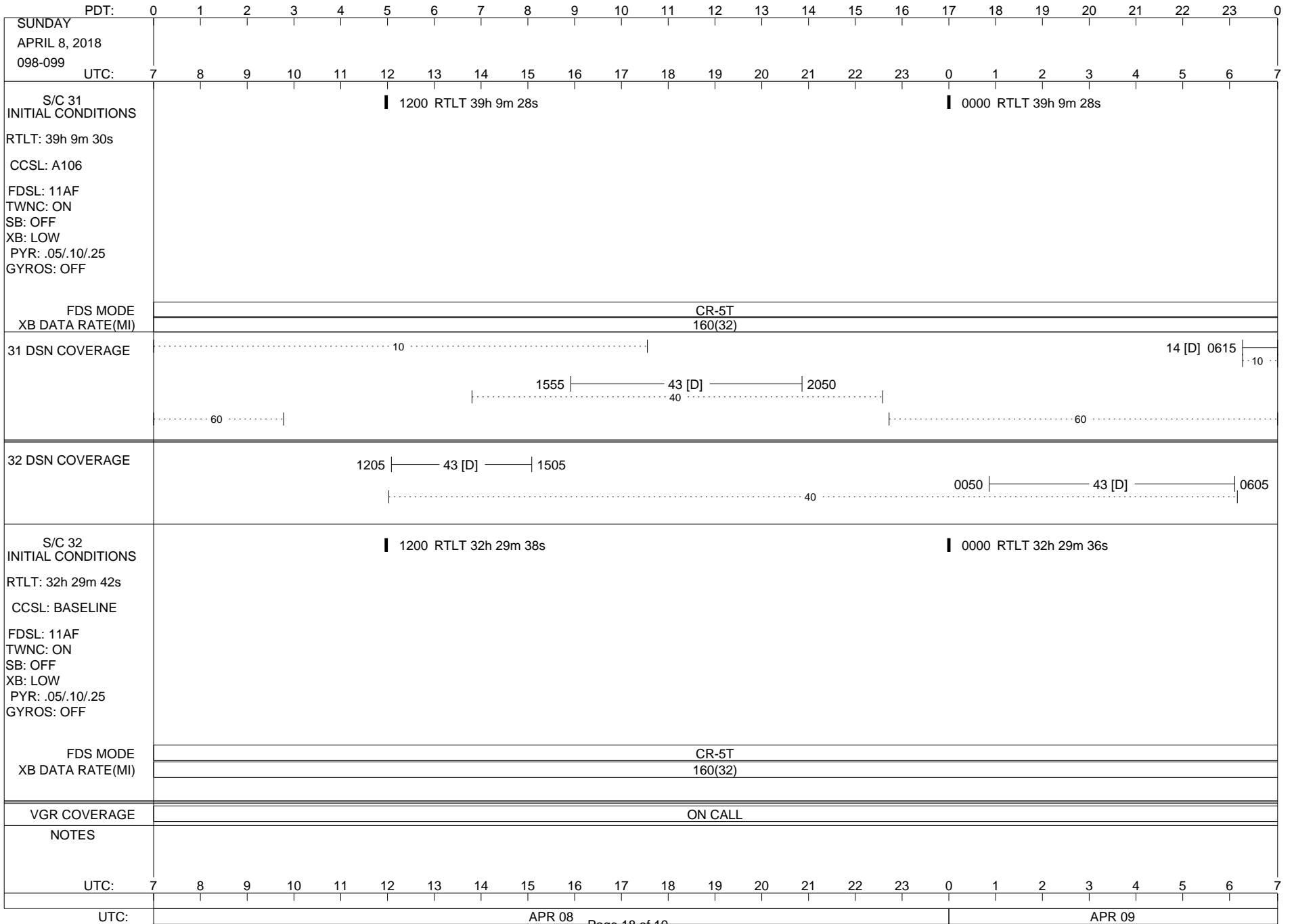
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TUESDAY APRIL 3, 2018 093-094																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 39h 9m 42s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 39h 9m 42s												| 0000 RTLTL 39h 9m 40s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1150 |----- 14 [D] -----| 1550												10 |----- 40 -----|												
	|----- 60 -----|												|----- 60 -----|												
32 DSN COVERAGE	|----- 1900 - 0620 -----|												40 |----- 43 [D] -----|												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 30m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 32h 30m 4s												| 0000 RTLTL 32h 30m 2s												
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 @ 1729 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 03												APR 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			
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 APRIL 5, 2018 095-096																												
S/C 31 INITIAL CONDITIONS RTLTL: 39h 9m 38s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 9m 36s												0000 RTLT 39h 9m 34s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE	1340 |----- 14 [D] -----| 1740												|----- 40 -----|															
32 DSN COVERAGE	1400 |----- 43 [D] -----| 1615												|----- 40 -----| 0235 - 0615 |----- 43 [D] -----|															
S/C 32 INITIAL CONDITIONS RTLTL: 32h 29m 56s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 29m 54s												0000 RTLT 32h 29m 52s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE	ON CALL																											
NOTES	[1] S/C 31=GS-4B @ 2341 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 05														APR 06													

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			
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			
FRIDAY APRIL 6, 2018 096-097																												
S/C 31 INITIAL CONDITIONS RTLT: 39h 9m 34s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 9m 34s														0000 RTLT 39h 9m 32s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)							EL-40 40(30)							CR-5T 160(32)													
31 DSN COVERAGE	0855 |-----| 14 [D] |-----| 1255 |-----| 14 [D] 0640 |-----|																											
32 DSN COVERAGE	1210 |-----| 43 [D] |-----| 1625 |-----| 0250-0615 |-----| 43 [D] |-----|																											
S/C 32 INITIAL CONDITIONS RTLT: 32h 29m 52s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 29m 48s														0000 RTLT 32h 29m 46s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	ON CALL							VGR							ON CALL													
NOTES	[1] S/C 31=EL-40 XB=40(30) @ 0928 [2] S/C 31=CR-5T XB=160(32) @ 1028																											
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 06														APR 07													

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 7, 2018 097-098	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 32s CCSL: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 39h 9m 30s												| 0000 RTLT 39h 9m 30s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] | 1405												| 10												
	..... 10 .....												..... 40											
	..... 60 .....												..... 60											
32 DSN COVERAGE	..... 40												2255 | 43 [D] | 0610											
S/C 32 INITIAL CONDITIONS RTLTL: 32h 29m 46s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 29m 44s												| 0000 RTLT 32h 29m 42s												
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 @ 0241 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 07												APR 08												



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 9, 2018 099-100																											
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: A106 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 39h 9m 26s</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<p>14 [D] | 1110</p> <p>.....10.....|</p> <p>.....|.....40.....|</p> <p>.....60.....|</p>																										
32 DSN COVERAGE	<p>1245 | 35 [DAR] | 1645</p> <p>1245 | 36 [DA] | 1645</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 32h 29m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 32h 29m 34s</p>																										
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 09													APR 10													