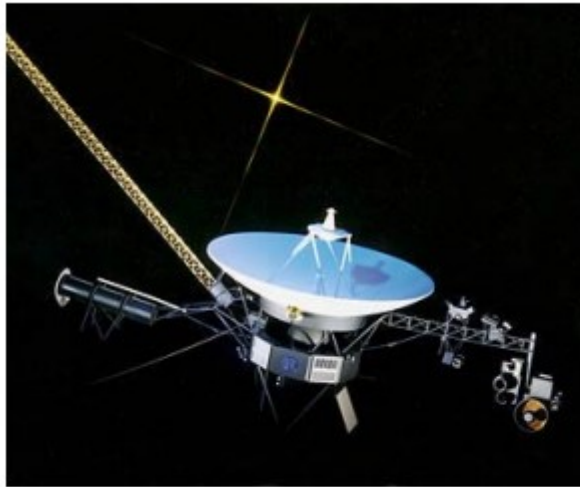


# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: March 6, 2019

For the Period: 03/07/19 to 03/25/19 (19/066 – 19/084)



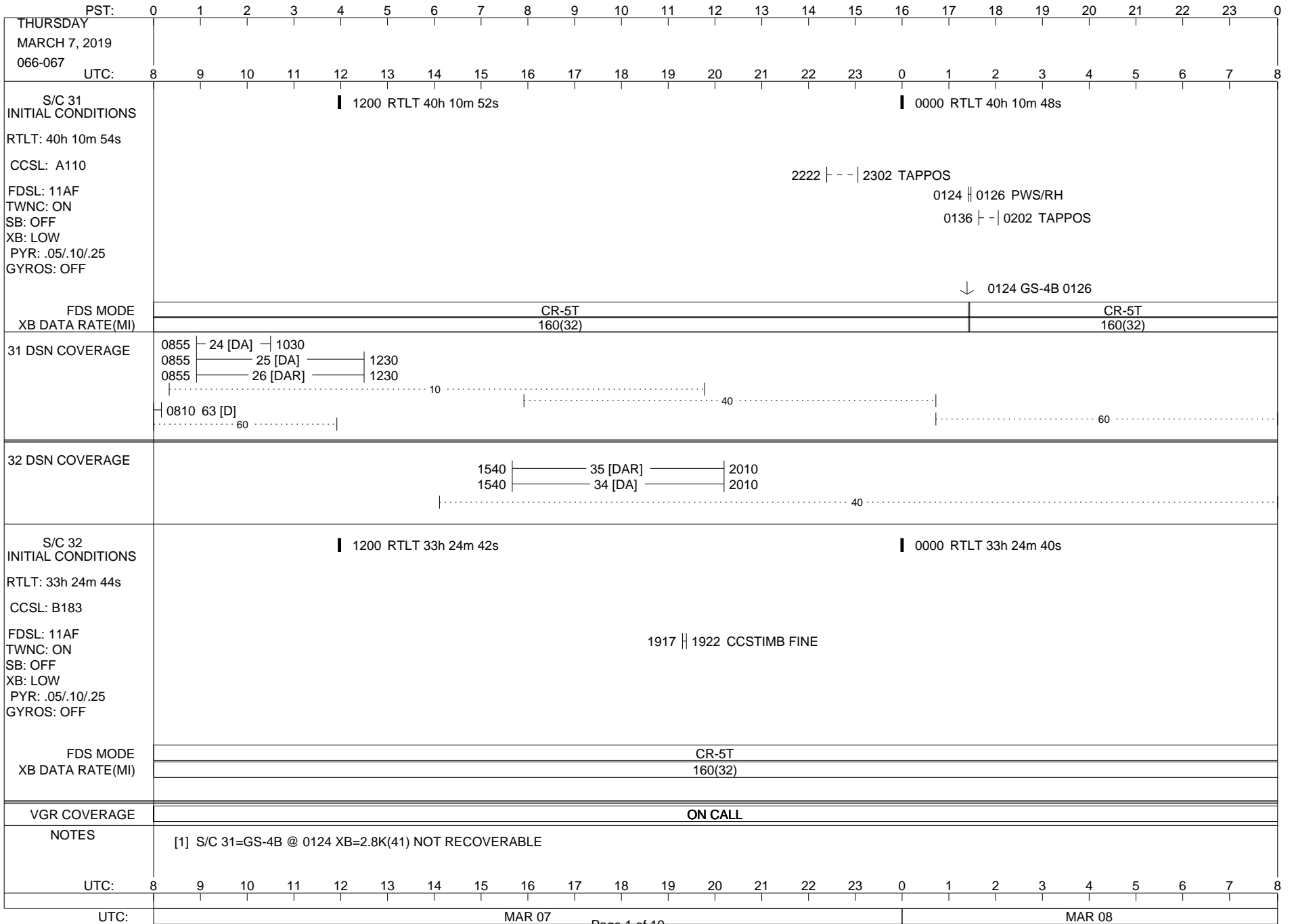
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

**LEGEND:**

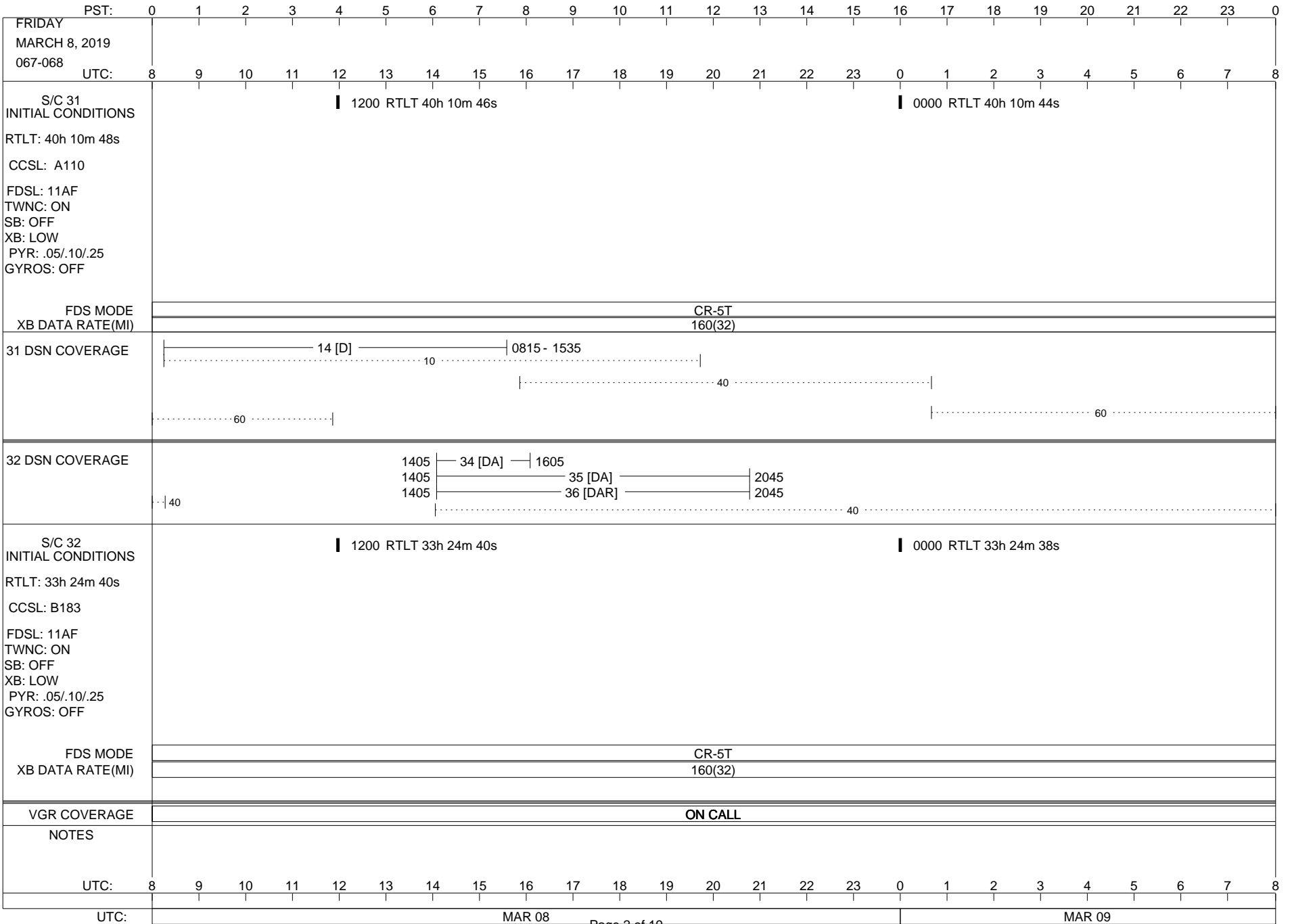
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- \* = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U = Uplink only pass
- [o] = Ramp-through

02/27/19

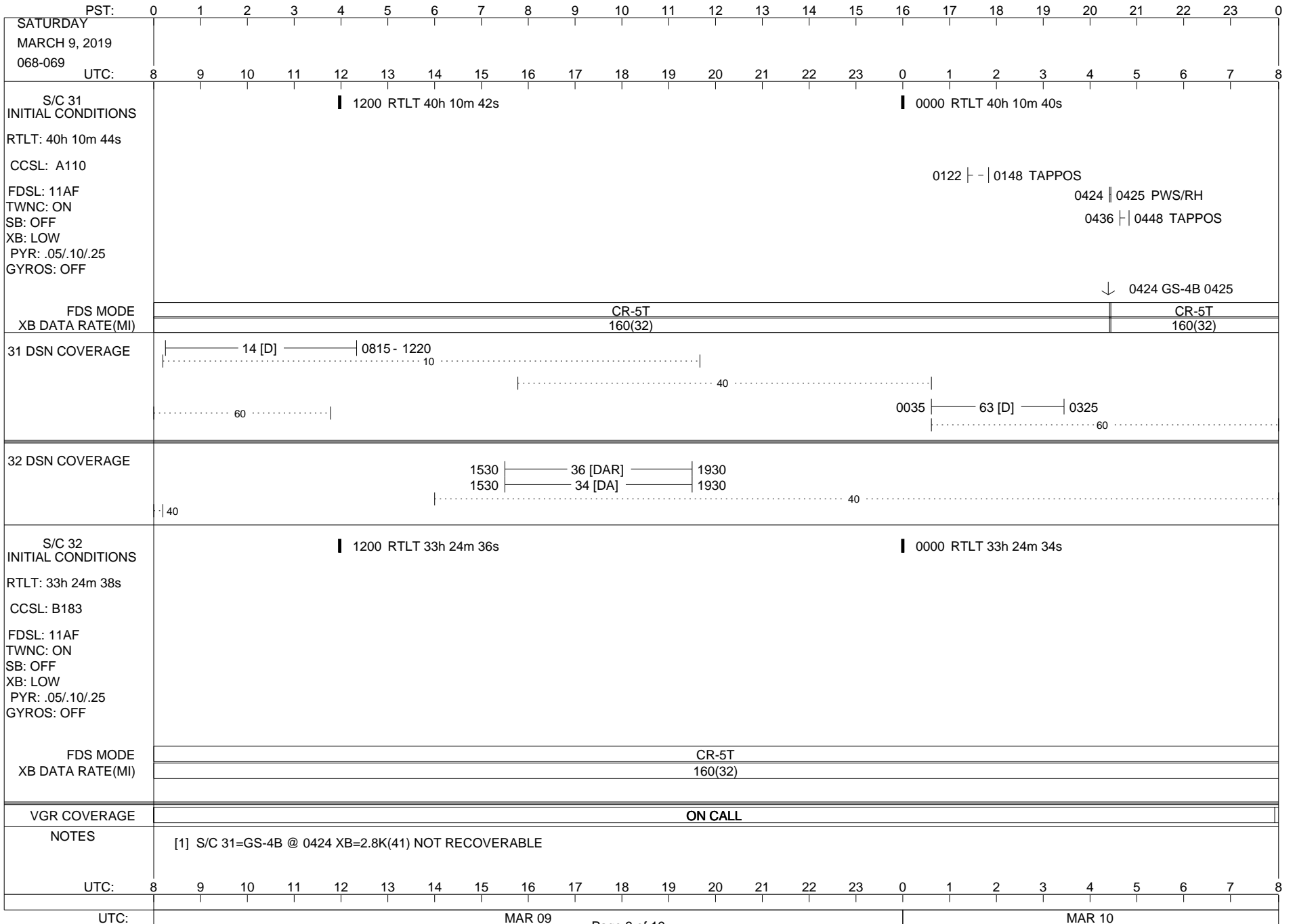
ISSUE DATE: 03/18/19 09:06



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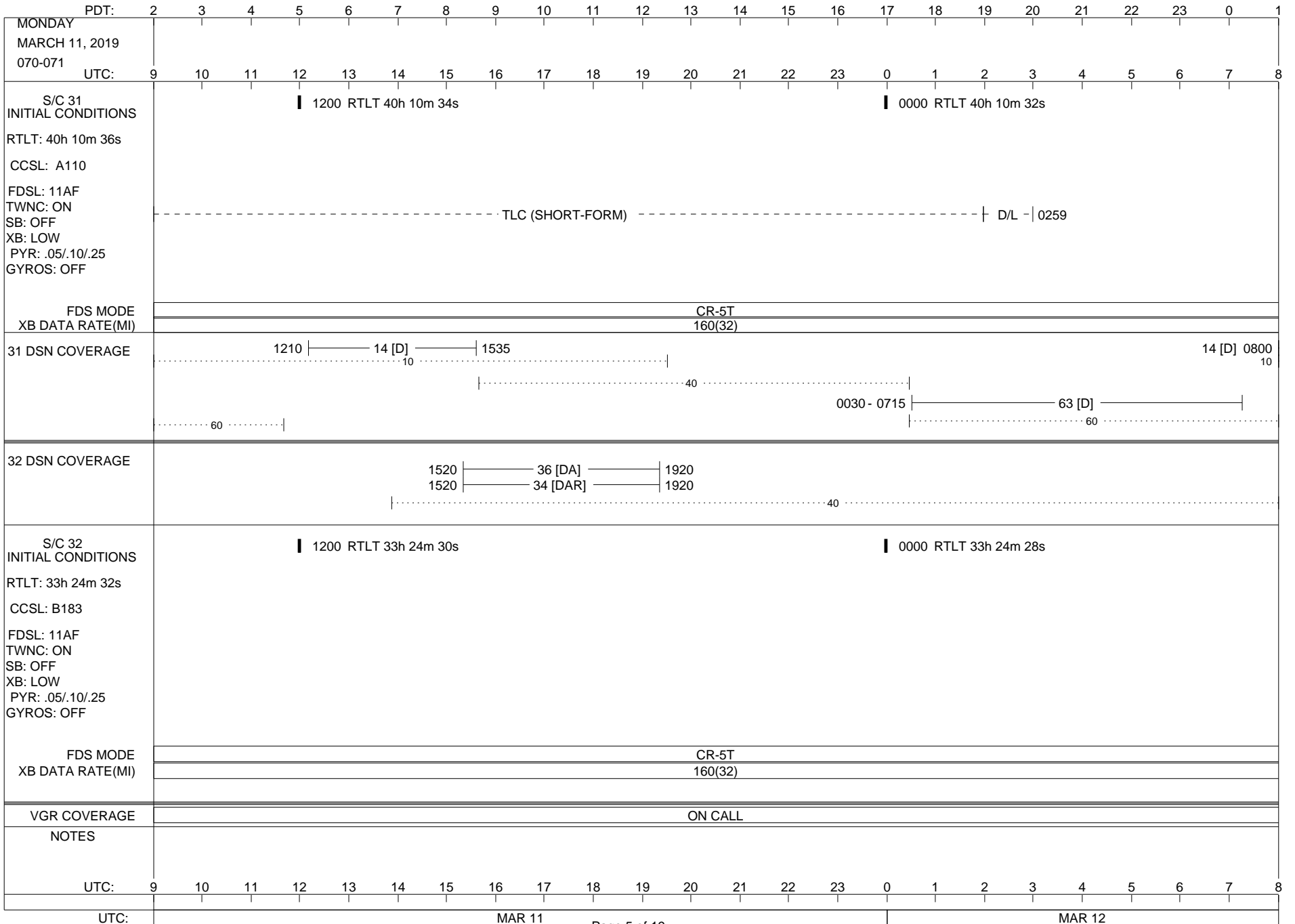


ISSUE DATE: 03/18/19 09:06





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ISSUE DATE: 03/18/19 09:06

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		
TUESDAY																												
MARCH 12, 2019																												
071-072																												
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		1200 RTLT 40h 10m 30s												0000 RTLT 40h 10m 26s														
RTLT: 40h 10m 32s																												
CCSL: A110																												
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																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS		1200 RTLT 33h 24m 26s												0000 RTLT 33h 24m 24s														
RTLT: 33h 24m 28s																												
CCSL: B183																												
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 @ 1847 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 12												MAR 13														

ISSUE DATE: 03/18/19 09:06

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		
WEDNESDAY MARCH 13, 2019 072-073																											
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: 40h 10m 26s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 40h 10m 24s													█ 0000 RTLT 40h 10m 22s													
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	14 [D]   1445													10													
	.....10.....													.....40.....													
	.....60.....													0020   63 [D]													
	.....60.....													.....60.....													
32 DSN COVERAGE	1515   36 [DAR]   1805																										
	1515   34 [DA]   1805													.....40.....													
S/C 32 INITIAL CONDITIONS RTLT: 33h 24m 24s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 33h 24m 24s													█ 0000 RTLT 33h 24m 22s													
FDS MODE														CR-5T													
XB DATA RATE(MI)														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 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			
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			
THURSDAY MARCH 14, 2019 073-074																												
S/C 31 INITIAL CONDITIONS RTLTL: 40h 10m 22s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 10m 20s														0000 RTLTL 40h 10m 18s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	<p>10 .....   14 [D] 0750  </p> <p>..... 40 .....  </p> <p>0820 63 [D] ..... 60 .....  </p> <p>0245   65 [DAR]   0605</p> <p>0245   55 [DA]   0605</p> <p>..... 60 .....</p>																											
32 DSN COVERAGE	<p>1510   36 [DAR]   1910</p> <p>1510   35 [DA]   1910</p> <p>..... 40 .....</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 33h 24m 22s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 24m 20s														0000 RTLTL 33h 24m 18s													
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 @ 0100 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 14														MAR 15													

ISSUE DATE: 03/18/19 09:06

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	
FRIDAY MARCH 15, 2019 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: 40h 10m 18s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 40h 10m 16s													█ 0000 RTLT 40h 10m 14s												
FDS MODE														CR-5T												
XB DATA RATE(MI)														160(32)												
31 DSN COVERAGE	14 [D] —————   1535													14 [T] 0800												
	..... 10 .....													..... 40 .....												
	..... 60 .....													..... 60 .....												
32 DSN COVERAGE	1340   43 [D]   1440													1505   35 [DA]   2015												
	1505   36 [DAR]   2015													..... 40 .....												
S/C 32 INITIAL CONDITIONS RTLT: 33h 24m 18s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 33h 24m 16s													█ 0000 RTLT 33h 24m 14s												
FDS MODE														CR-5T												
XB DATA RATE(MI)														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 15													MAR 16												



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	
SUNDAY MARCH 17, 2019 076-077																										
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	█ 1200 RTLT 40h 10m 8s												█ 0000 RTLT 40h 10m 6s													
RTLT: 40h 10m 10s																										
CCSL: A110	----- TLC (SHORT-FORM) -----   D/L -   0233																									
FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF																										
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	14 [D] -----   1340												14 [D] 0750													
	..... 10 .....												..... 10 .....													
	..... 60 .....												..... 40 .....													
	..... 60 .....												0005  ----- 63 [D] -----													
	..... 60 .....												..... 60 .....													
32 DSN COVERAGE																										
	..... 1540  ----- 43 [D] -----   2310												..... 40 .....													
S/C 32 INITIAL CONDITIONS	█ 1200 RTLT 33h 24m 8s												█ 0000 RTLT 33h 24m 6s													
RTLT: 33h 24m 10s																										
CCSL: B183																										
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																										
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												



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	
TUESDAY MARCH 19, 2019 078-079																										
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 RTLTL: 40h 10m 2s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 40h 10m 0s												█ 0000 RTLTL 40h 9m 58s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	14 [D] ————— 1535												14 [D] 0800  10													
	..... 10 .....												..... 40 .....													
	..... 60 .....												0305 - 0715  ————— 63 [D] ————— ..... 60 .....													
32 DSN COVERAGE	1325  ————— 43 [D] ————— 2040												..... 40 .....													
S/C 32 INITIAL CONDITIONS RTLTL: 33h 24m 2s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 33h 24m 0s												█ 0000 RTLTL 33h 23m 58s													
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 @ 1823 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 19												MAR 20													

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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	
WEDNESDAY MARCH 20, 2019 079-080																										
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: 40h 9m 58s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 40h 9m 56s												█ 0000 RTLT 40h 9m 54s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
31 DSN COVERAGE	14 [D] 0800 - 1030												14 [D] 0725													
	.....10.....												.....10.....													
	.....60.....												.....60.....													
	.....40.....												.....40.....													
	.....2355.....												.....2355.....													
	.....63 [D].....												.....63 [D].....													
	.....0440.....												.....0440.....													
	.....0435 - 0715.....												.....0435 - 0715.....													
	.....55 [DA].....												.....55 [DA].....													
	.....0435 - 0715.....												.....0435 - 0715.....													
	.....65 [DAR].....												.....65 [DAR].....													
	.....60.....												.....60.....													
32 DSN COVERAGE	1445 36 [DAR] 1830												1445 35 [DA] 1830													
	.....40.....												.....40.....													
	.....2010.....												.....2010.....													
	.....43 [D].....												.....43 [D].....													
	.....2205.....												.....2205.....													
S/C 32 INITIAL CONDITIONS RTLT: 33h 23m 58s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 33h 23m 56s												█ 0000 RTLT 33h 23m 54s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	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 20												MAR 21													

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 21, 2019 080-081																									
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	1200 RTLT 40h 9m 52s												0000 RTLT 40h 9m 50s												
RTLT: 40h 9m 54s																									
CCSL: A110																									
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>14 [D] 0955</p> <p>10</p> <p>40</p> <p>0325 - 0800 63 [D]</p> <p>60</p>																								
32 DSN COVERAGE	<p>2005 43 [D] 0005</p> <p>40</p>																								
S/C 32 INITIAL CONDITIONS	1200 RTLT 33h 23m 52s												0000 RTLT 33h 23m 50s												
RTLT: 33h 23m 54s																									
CCSL: B183																									
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 @ 0035 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 21												MAR 22												







ISSUE DATE: 03/18/19 09:06

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			
SUNDAY MARCH 24, 2019 083-084																												
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	█ 1200 RTLT 40h 9m 40s												█ 0000 RTLT 40h 9m 38s															
RTLT: 40h 9m 42s																												
CCSL: A110																												
FDSL: 11AF																												
TWNC: ON																												
SB: OFF																												
XB: LOW																												
PYR: .05/.10/.25																												
GYROS: OFF																												
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS	█ 1200 RTLT 33h 23m 40s												█ 0000 RTLT 33h 23m 36s															
RTLT: 33h 23m 42s																												
CCSL: B183																												
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																												
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 24														MAR 25													

ISSUE DATE: 03/18/19 09:06

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 25, 2019 084-085																											
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	█ 1200 RTLT 40h 9m 36s																										
RTLT: 40h 9m 38s																											
CCSL: A110																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/.10/.25																											
GYROS: OFF																											
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS	█ 1200 RTLT 33h 23m 34s																										
RTLT: 33h 23m 36s																											
CCSL: B183																											
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																											
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 25													MAR 26													