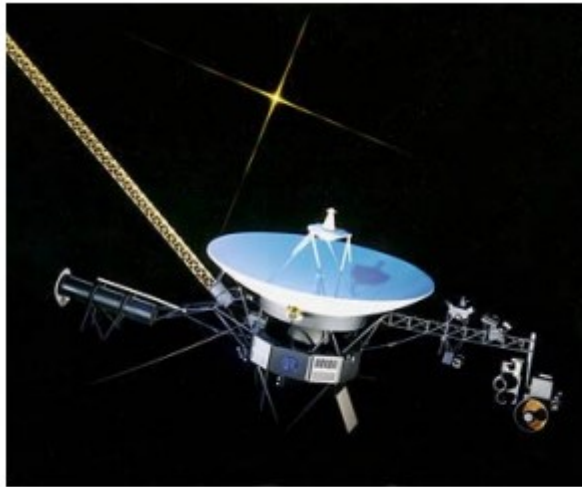


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: March 20, 2019

For the Period: 03/21/19 to 04/08/19 (19/080 – 19/098)



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: 03/20/19 08:21

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 21, 2019 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: 40h 9m 54s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 9m 52s												0000 RTLT 40h 9m 50s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 0725 - 0955												0715 55 [DA] 0715 65 [DAR]												
32 DSN COVERAGE	2005 43 [D] 0005												2350 63 [D]												
S/C 32 INITIAL CONDITIONS RTLT: 33h 23m 54s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 23m 52s												0000 RTLT 33h 23m 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 @ 0035 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 21												MAR 22												

ISSUE DATE: 03/20/19 08:21

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 23, 2019 082-083																									
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 40h 9m 44s												0000 RTLT 40h 9m 42s												
RTLT: 40h 9m 46s																									
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 23m 44s												0000 RTLT 33h 23m 42s												
RTLT: 33h 23m 46s																									
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 @ 0335 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 23												MAR 24												

ISSUE DATE: 03/20/19 08:21

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
SUNDAY MARCH 24, 2019 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 RTLT: 40h 9m 42s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 9m 40s												0000 RTLT 40h 9m 38s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0715 - 0945												2345 63 [D] 0230												
32 DSN COVERAGE	40 1305 43 [D] 1705												40												
S/C 32 INITIAL CONDITIONS RTLT: 33h 23m 42s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 23m 40s												0000 RTLT 33h 23m 36s												
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 24												MAR 25												

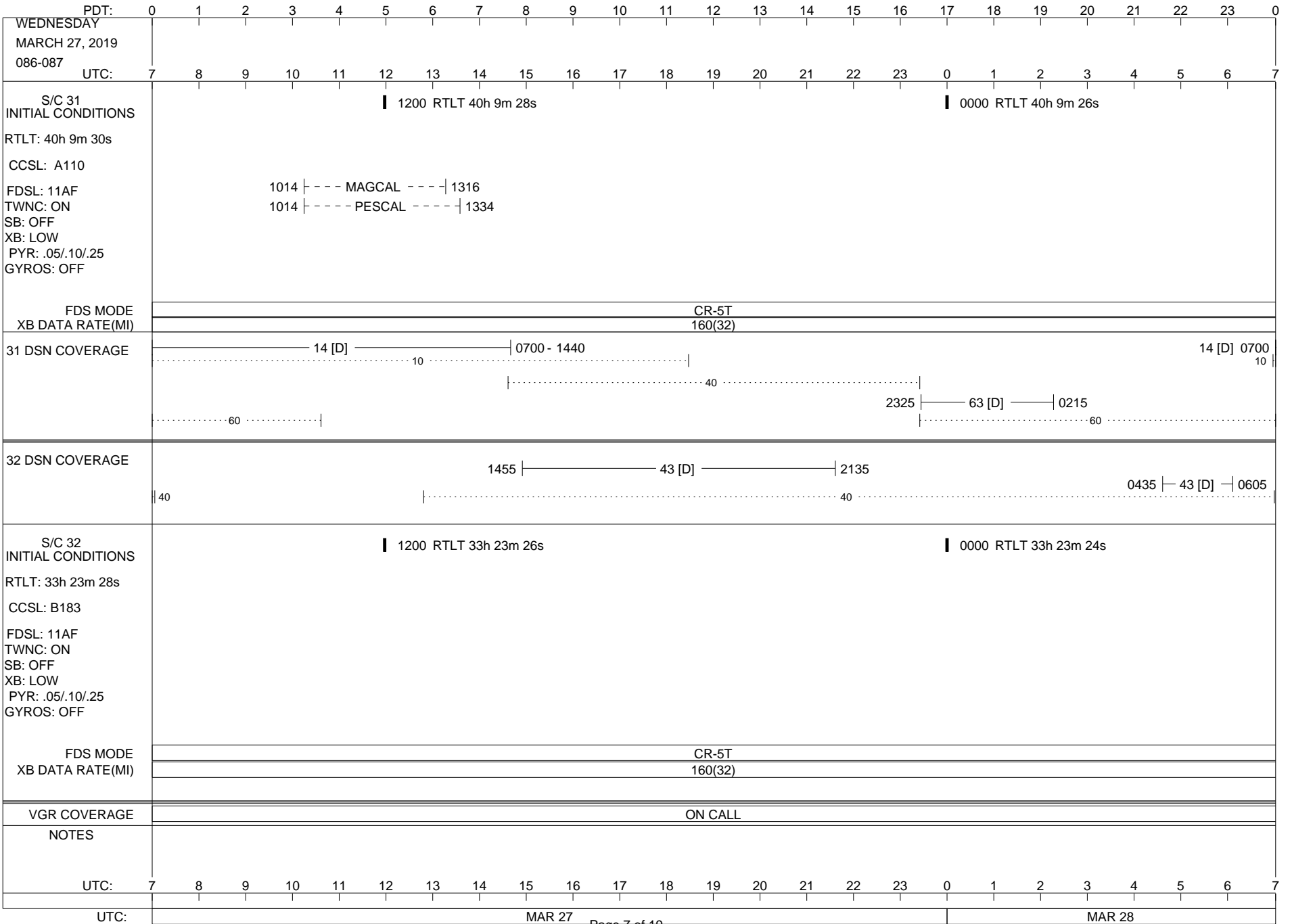
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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
MONDAY MARCH 25, 2019 084-085																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 40h 9m 38s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 9m 36s												0000 RTLT 40h 9m 34s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	----- 14 [D] ----- 0710 - 1110 ----- 10 ----- ----- 40 ----- ----- 60 -----																								
32 DSN COVERAGE	40 ----- 1300 ----- 43 [D] ----- 1700 ----- 40 -----																								
S/C 32 INITIAL CONDITIONS RTLT: 33h 23m 36s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 23m 34s												0000 RTLT 33h 23m 32s												
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 25												MAR 26												

ISSUE DATE: 03/20/19 08:21

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 26, 2019 085-086																										
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: 40h 9m 34s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 9m 32s												0000 RTLT 40h 9m 30s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	14 [D] 0705 - 1105												14 [D] 0700													
32 DSN COVERAGE	40 1255 43 [D] 2120												40 0055 63 [D] 0335													
S/C 32 INITIAL CONDITIONS RTLT: 33h 23m 32s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 23m 30s												0000 RTLT 33h 23m 28s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1758 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 26													MAR 27												

ISSUE DATE: 03/20/19 08:21



ISSUE DATE: 03/20/19 08:21

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 28, 2019 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: 40h 9m 26s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 9m 26s												0000 RTLTL 40h 9m 24s														
FDS MODE	CR-5T												CR-5T														
XB DATA RATE(MI)	160(32)												160(32)														
31 DSN COVERAGE	14 [D] ----- 0700 - 1530																										
 10									 10																
 60									 60																
 60									 60																
32 DSN COVERAGE	1200 RTLTL 33h 23m 20s												0000 RTLTL 33h 23m 18s														
S/C 32 INITIAL CONDITIONS RTLTL: 33h 23m 24s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 23m 20s												0000 RTLTL 33h 23m 18s														
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 @ 0011 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 28														MAR 29												

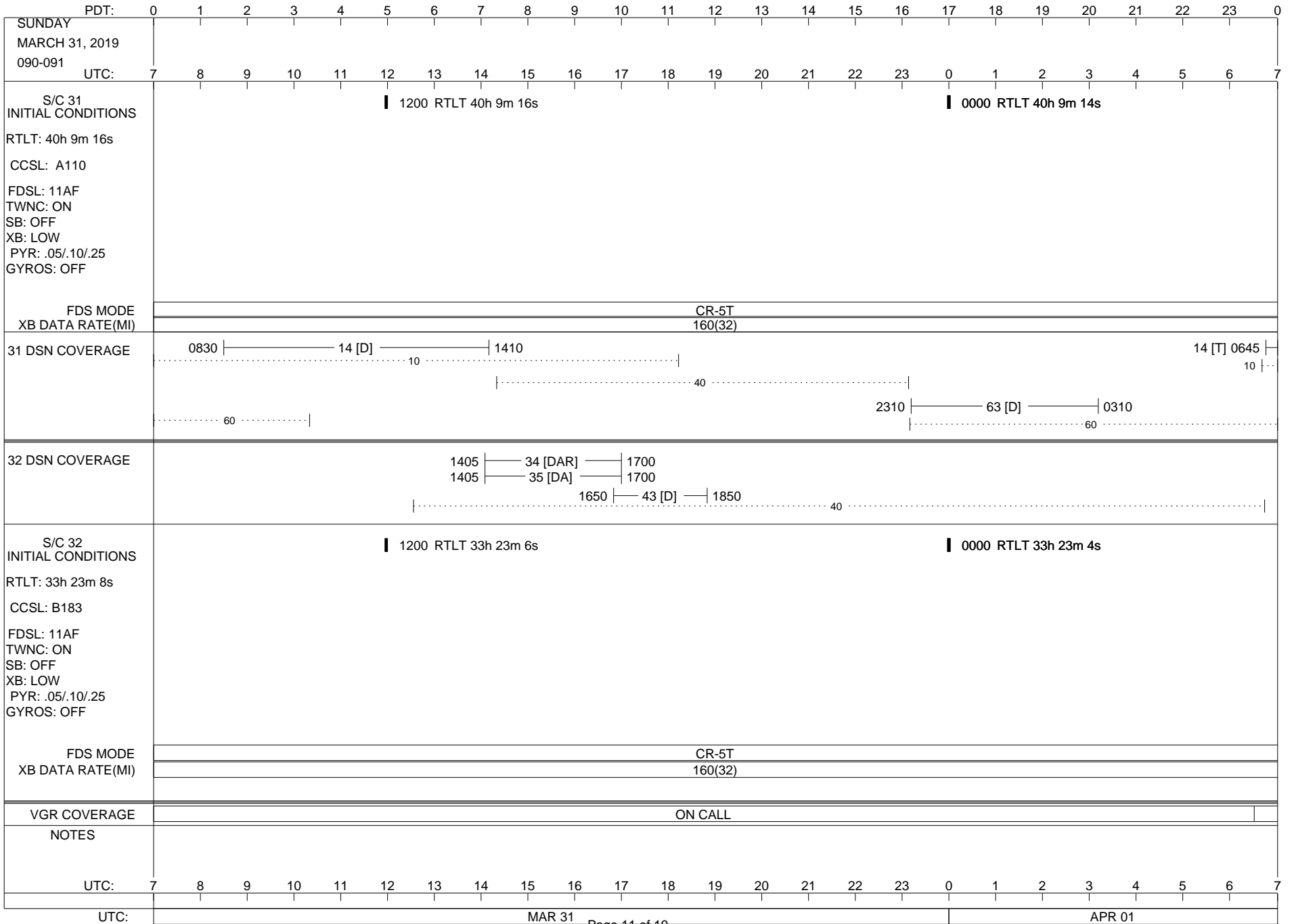
ISSUE DATE: 03/20/19 08:21

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
FRIDAY MARCH 29, 2019 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 RTLT: 40h 9m 24s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 40h 9m 22s												█ 0000 RTLT 40h 9m 20s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1430 ----- 14 [D] ----- 1645												14 [D] 0650 ----- 10												
	----- 0725 63 [D] ----- 60						----- 40						2315 ----- 63 [D] ----- 0315						----- 60						
32 DSN COVERAGE	1300 ----- 43 [H1] ----- 1900												40												
S/C 32 INITIAL CONDITIONS RTLT: 33h 23m 18s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 33h 23m 16s												█ 0000 RTLT 33h 23m 14s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	[1] DSS-43 HP TXR ON > 14:05:10																								
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												

ISSUE DATE: 03/20/19 08:21

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 30, 2019 089-090	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: 40h 9m 20s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 9m 18s												0000 RTLT 40h 9m 16s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0750 14 [D]												0130 54 [DA] 0245 0130 0245 65 [DAR]												
32 DSN COVERAGE	1410 35 [DA] 1810 1410 36 [DAR] 1810												0200 - 0645 43 [D]												
S/C 32 INITIAL CONDITIONS RTLT: 33h 23m 14s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 23m 12s												0000 RTLT 33h 23m 8s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												VGR ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0311 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												

ISSUE DATE: 03/20/19 08:21

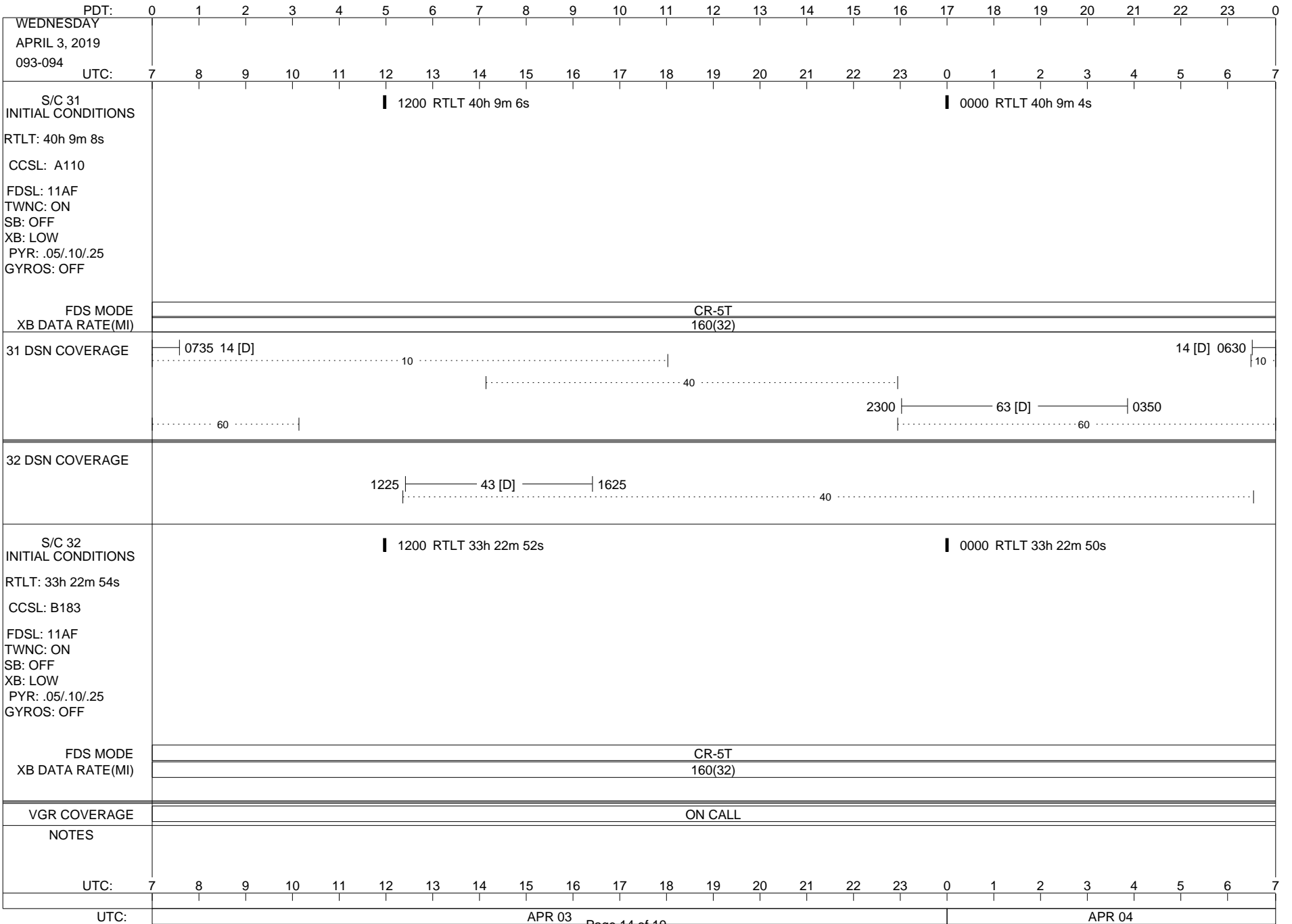


ISSUE DATE: 03/20/19 08:21

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 1, 2019 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 RTLT: 40h 9m 14s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> 1200 RTLT 40h 9m 12s 0000 RTLT 40h 9m 10s </div> <ul style="list-style-type: none"> ▼ 0730 DUMMY (23:39) ▼ 0748 EL-40 (23:57) ▼ 0809 CCSL A111 (18:38) ▼ 0851 CCSTIM F/C (01:00) ▼ 0919 AHEL12 CCS SID MRO'S, CR-5T (01:28) <p>U/L 1000 - ----- TLC (SHORT-FORM) -----</p> <p style="text-align: center;">↓ 1954</p>																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)											CR-5T 160(32)													
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> 14 [T] 1045 14 [D] 0640 10 </div> <p style="text-align: center;">----- 10 -----</p> <p style="text-align: center;">----- 40 -----</p> <p style="text-align: center;">----- 2300 ----- 63 [D] ----- 0305 ----- 60 -----</p>																								
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> 1240 43 [o] 2040 </div> <p style="text-align: center;">----- 40 -----</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 33h 23m 4s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> 1200 RTLT 33h 23m 2s 0000 RTLT 33h 23m 0s </div>																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	VGR											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 01											APR 02													

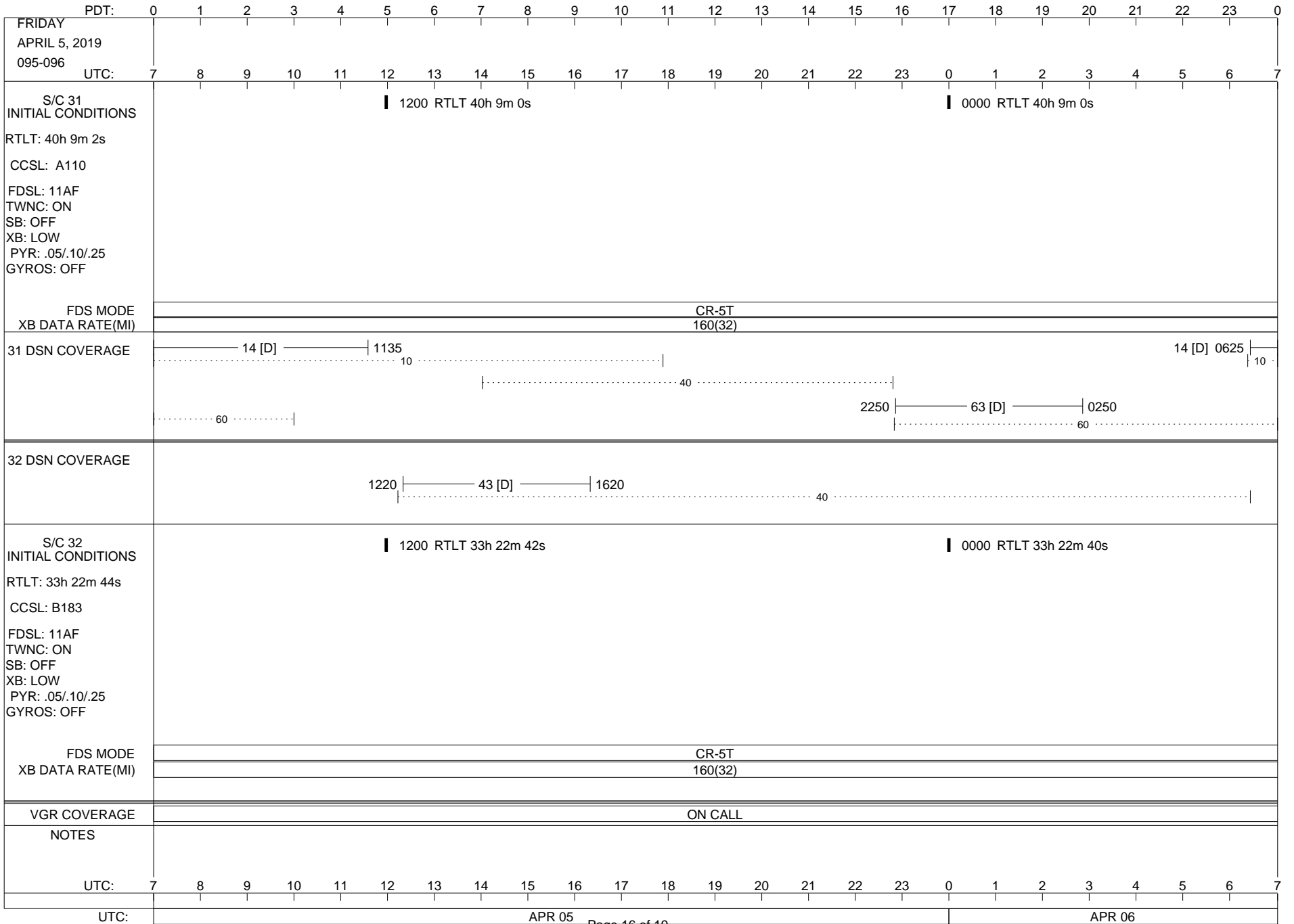
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
TUESDAY APRIL 2, 2019 092-093	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 40h 9m 10s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 9m 10s												0000 RTLTL 40h 9m 8s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 0905												14 [D] 0635												
32 DSN COVERAGE	1230 43 [D] 1355												1925 43 [D] 0045												
S/C 32 INITIAL CONDITIONS RTLTL: 33h 23m 0s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 22m 56s												0000 RTLTL 33h 22m 54s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												VGR												
NOTES	[1] S/C 31=GS-4B @ 1734 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=EL-40 @ 2358 XB=40(30) [3] S/C 31=CR-5T @ 0133 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:	APR 02												APR 03												

ISSUE DATE: 03/20/19 08:21

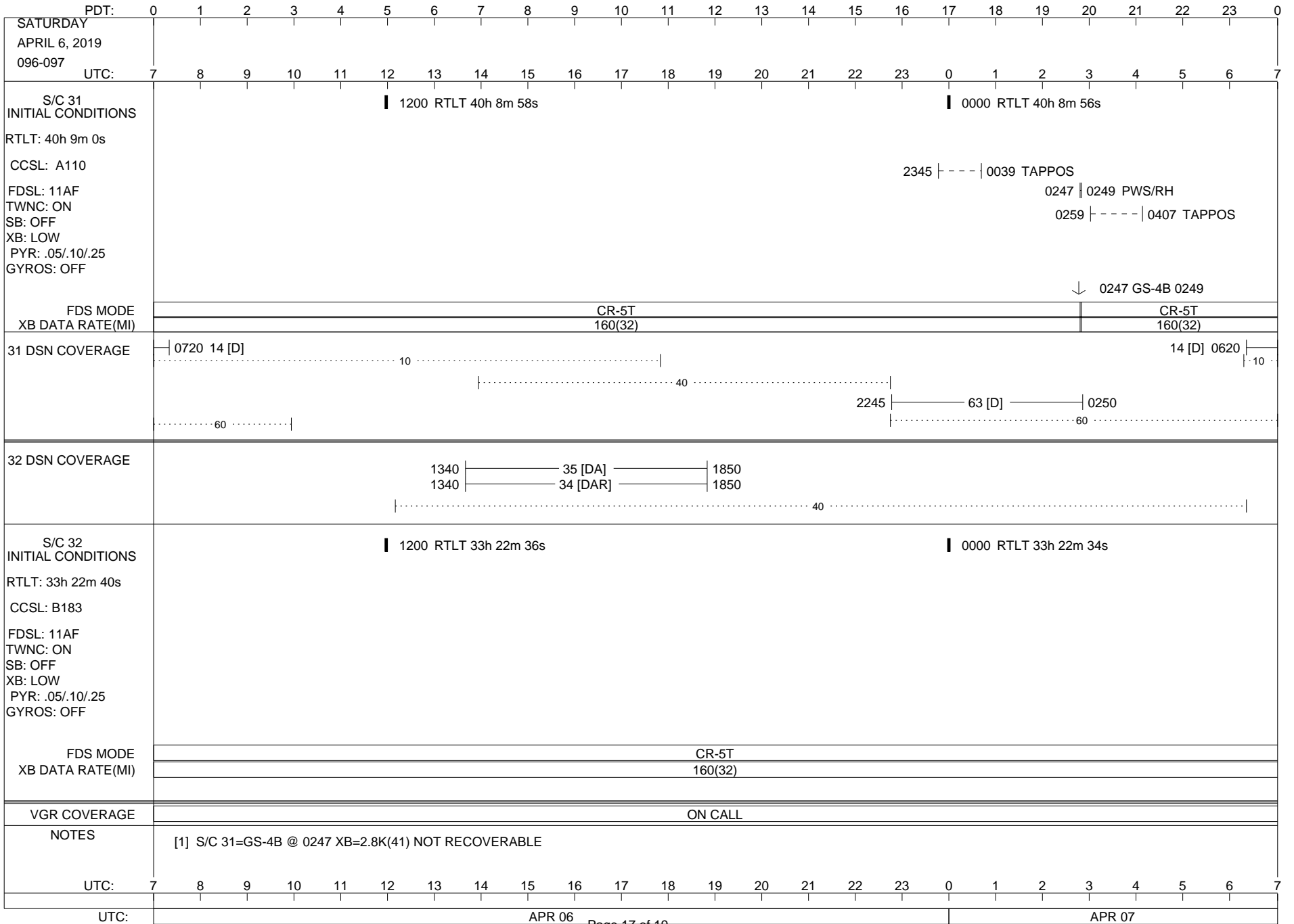


ISSUE DATE: 03/20/19 08:21

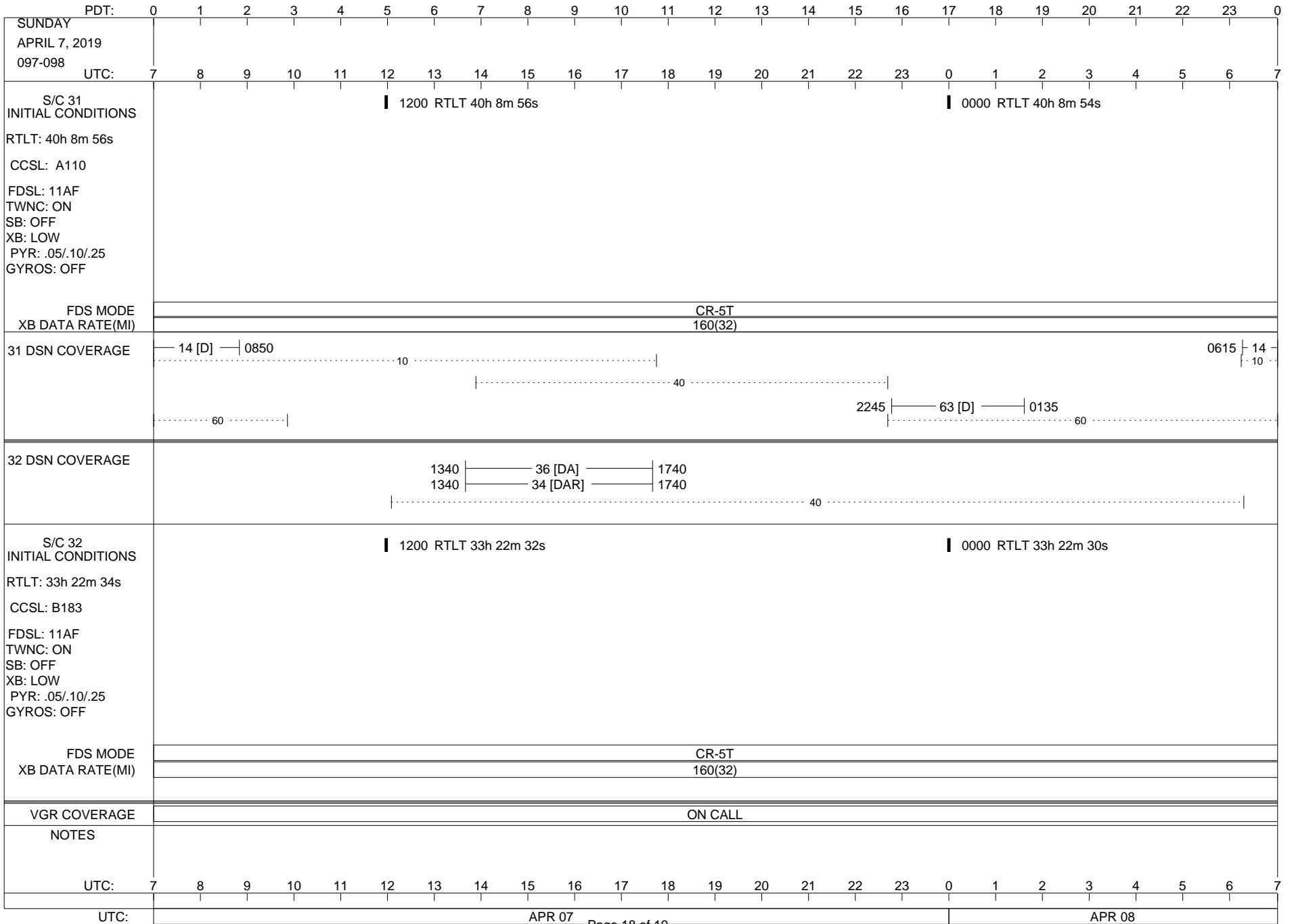
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UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
THURSDAY APRIL 4, 2019 094-095																													
S/C 31 INITIAL CONDITIONS RTLTL: 40h 9m 4s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 40h 9m 4s														0000 RTLT 40h 9m 2s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE		0730 14 [D] 10 40 60														14 [D] 0625 10													
32 DSN COVERAGE		1515 43 [D] 1915 40																											
S/C 32 INITIAL CONDITIONS RTLTL: 33h 22m 50s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 33h 22m 46s														0000 RTLT 33h 22m 44s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																											
VGR COVERAGE		ON CALL																											
NOTES		[1] S/C 31=GS-4B @ 2347 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 04														APR 05													



ISSUE DATE: 03/20/19 08:21



ISSUE DATE: 03/20/19 08:21



ISSUE DATE: 03/20/19 08:21

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 8, 2019																												
098-099																												
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 40h 8m 54s																										
RTLT: 40h 8m 54s																												
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 22m 26s																										
RTLT: 33h 22m 30s																												
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:		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 08																		APR 09								