

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: January 23, 2019

For the Period: 01/24/19 to 02/11/19 (19/024 – 19/042)

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: 01/23/19 09:29

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 JANUARY 24, 2019 024-025																									
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 13m 4s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 13m 4s												0000 RTLTL 40h 13m 4s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1120 ----- 14 ----- 1545 ----- 10 ----- 40 ----- 0820 55 [DA] ----- 0335 - 0735 ----- 63 [D] ----- 0820 65 [DAR] ----- 60 ----- 60																								
32 DSN COVERAGE	1655 ----- 43 [D] ----- 2055 ----- 40 40 -----																								
S/C 32 INITIAL CONDITIONS RTLTL: 33h 23m 58s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC OFF	1200 RTLTL 33h 24m 0s												0000 RTLTL 33h 24m 4s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL								VGR								ON CALL								
NOTES	[1] S/C 31=GS-4B @ 0349 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:	JAN 24												JAN 25												

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FRIDAY JANUARY 25, 2019 025-026																													
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S/C 31 INITIAL CONDITIONS RTLTL: 40h 13m 4s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		█ 1200 RTLTL 40h 13m 4s														█ 0000 RTLTL 40h 13m 4s													
FDS MODE		CR-5T														40(30)				160(32)									
XB DATA RATE(MI)		160(32)														EL-40				CR-5T									
31 DSN COVERAGE		<p>1250 14 [D] 1350</p> <p>..... 10 40 0325 63 [D] 0625</p> <p>..... 60 0615 - 0750 55 [DAR] </p> <p>..... 0615 - 0750 65 [DA] </p> <p>..... 60</p>																											
32 DSN COVERAGE		<p>..... 40 40 </p> <p>1650 43 [Bo] 2050</p> <p>..... 40 43 [H] 0720 </p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 33h 24m 4s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC OFF		█ 1200 RTLTL 33h 24m 6s														█ 0000 RTLTL 33h 24m 8s													
FDS MODE		CR-5T																											
XB DATA RATE(MI)		160(32)																											
VGR COVERAGE		ON CALL							VGR							ON CALL							VGR						
NOTES		<p>[1] S/C 31=EL-40 @ 0433 XB=40(30)</p> <p>[2] S/C 31=CR-5T @ 0606 XB=160(32)</p>																											
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UTC:		JAN 25														JAN 26													

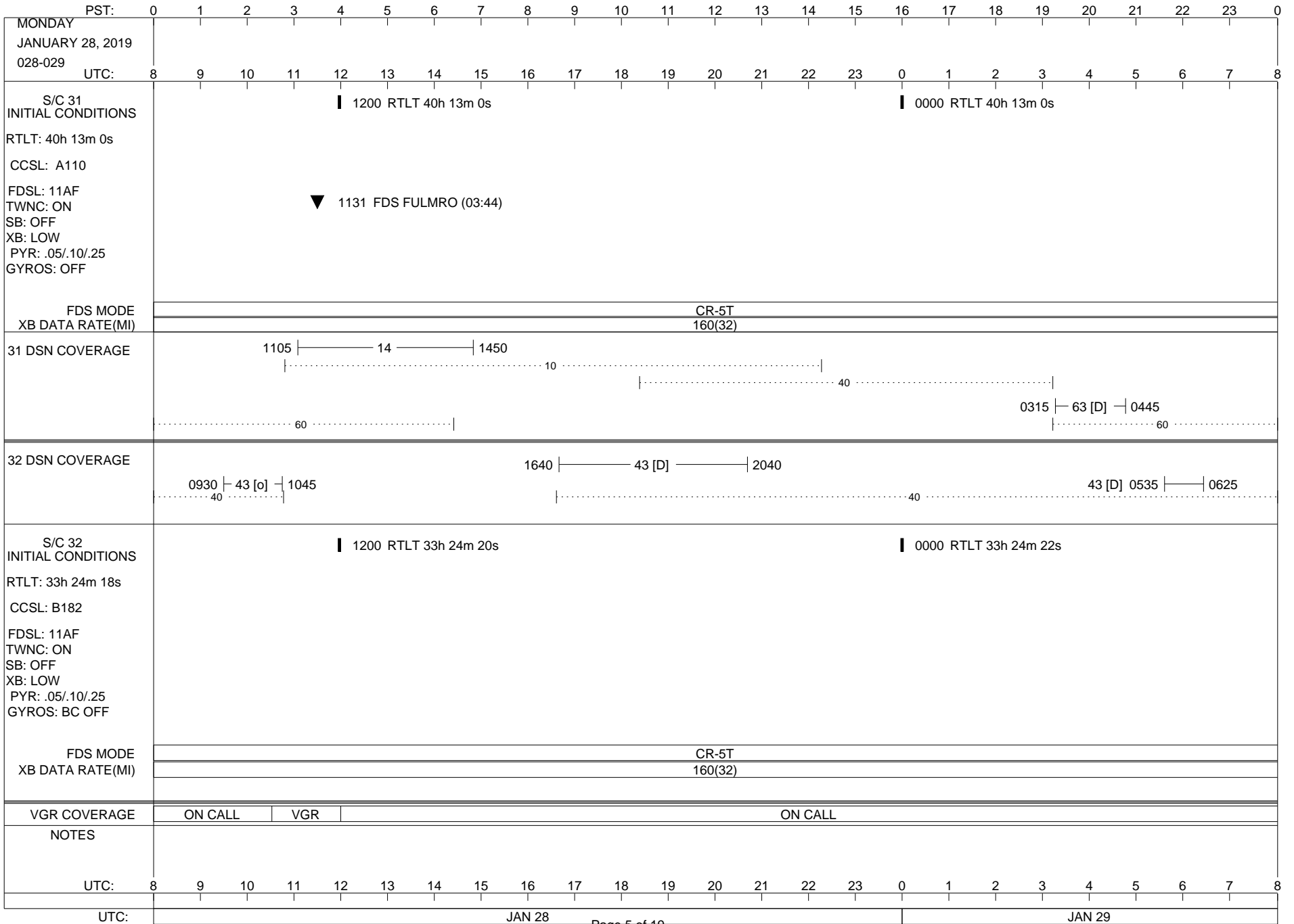
ISSUE DATE: 01/23/19 09:29

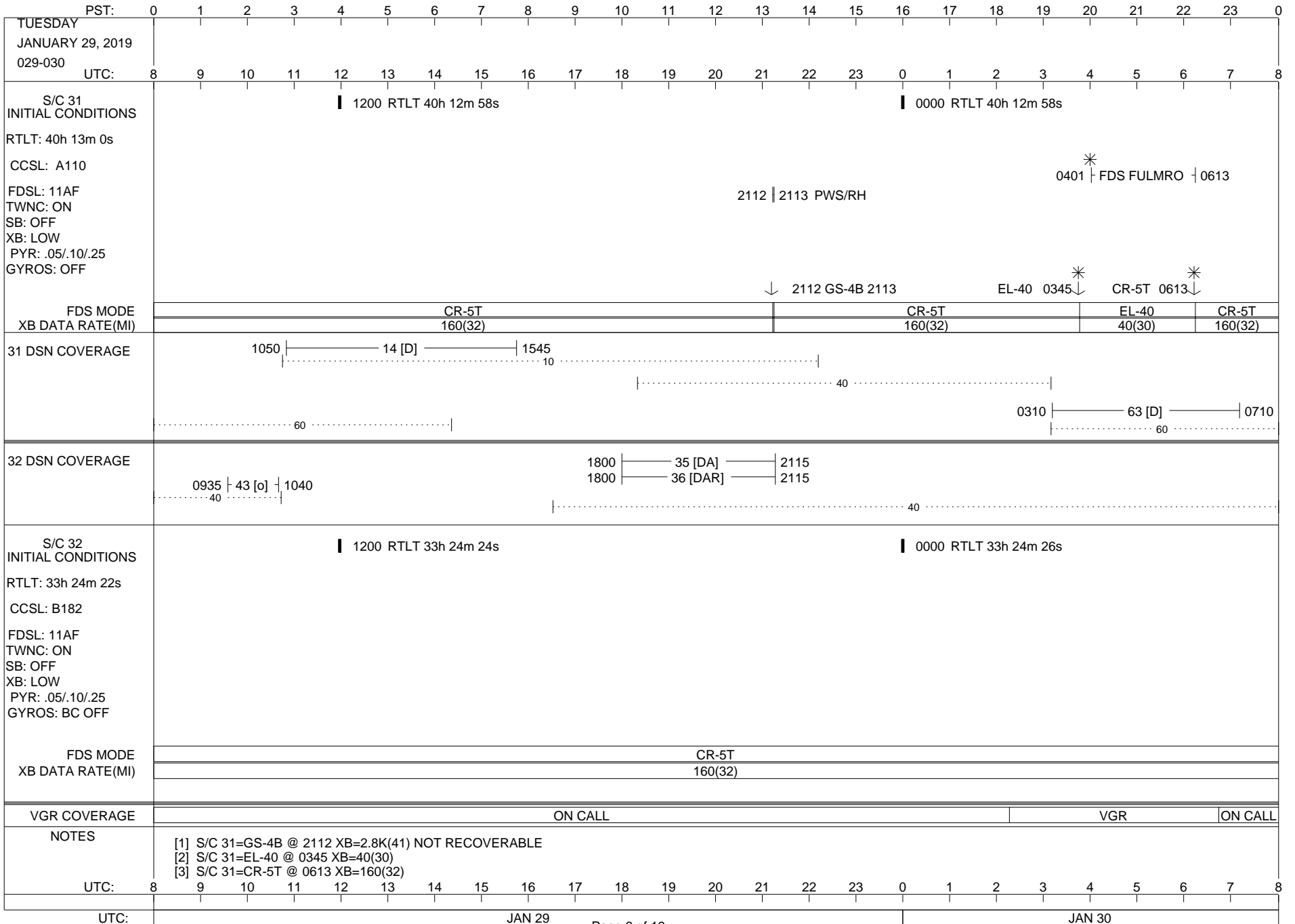
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SATURDAY JANUARY 26, 2019 026-027																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 40h 13m 4s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 40h 13m 2s												█ 0000 RTLTL 40h 13m 2s												
FDS MODE	160(32)												CR-5T												
XB DATA RATE(MI)	CR-5T												160(32)												
31 DSN COVERAGE	1100 ----- 14 [D] ----- 1500 ----- 10 ----- ----- 40 ----- ----- 60 -----												0320 ----- 63 [D] ----- 0620 ----- 60 -----												
32 DSN COVERAGE	43 [H] ----- 1050 ----- 40 -----												0245 ----- 43 [o] ----- ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 33h 24m 8s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC OFF	█ 1200 RTLTL 33h 24m 10s												█ 0000 RTLTL 33h 24m 14s												
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 @ 0649 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:	JAN 26												JAN 27												

ISSUE DATE: 01/23/19 09:29

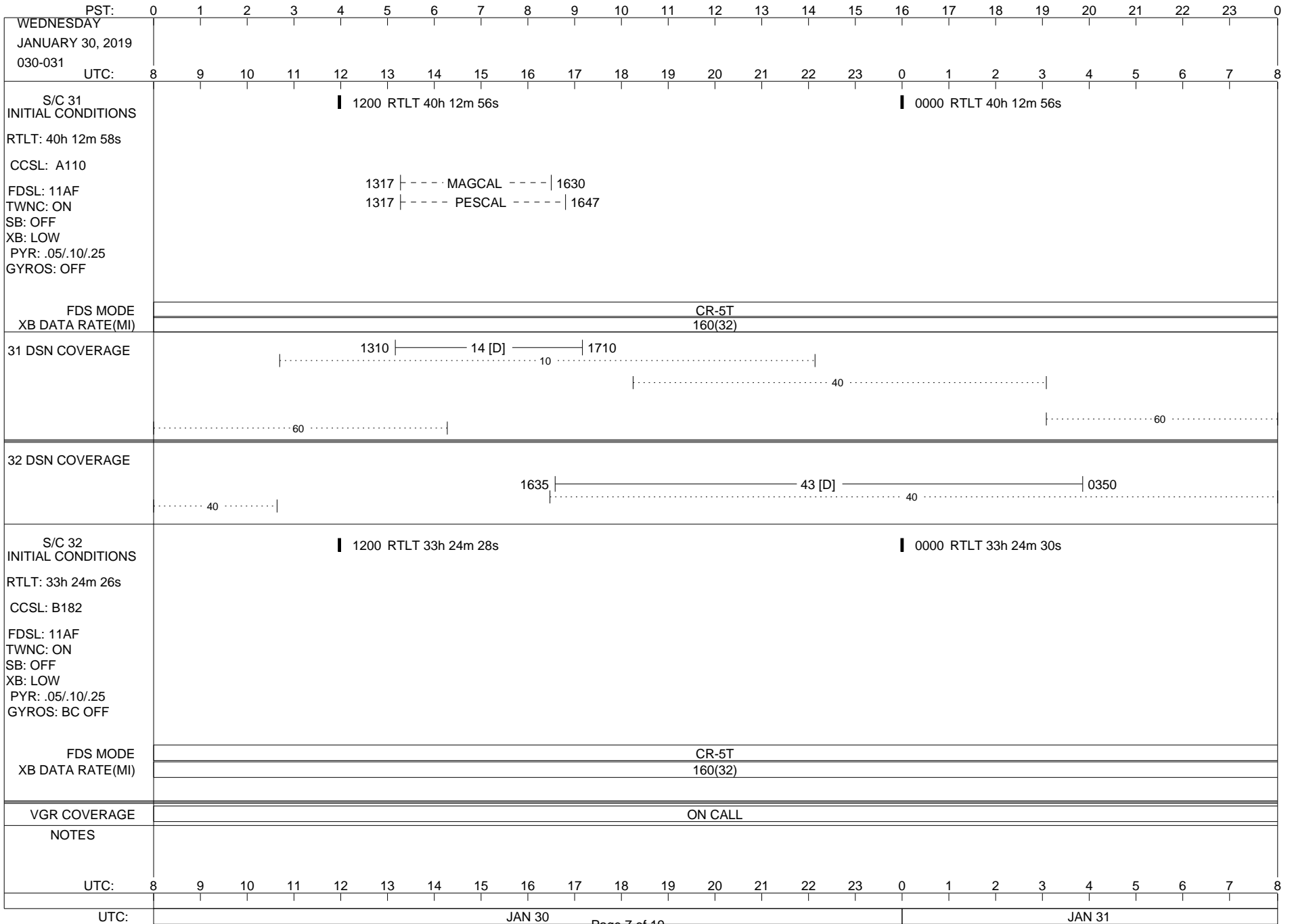
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SUNDAY JANUARY 27, 2019 027-028																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS RTLTL: 40h 13m 2s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 40h 13m 2s												█ 0000 RTLTL 40h 13m 0s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	1055 ----- 14 [D] ----- 1455 ----- 10 ----- ----- 40 ----- ----- 60 -----												0320 ----- 63 [D] ----- 0605 ----- 60 -----													
32 DSN COVERAGE	0835 43 [o] ----- 40 -----												1640 ----- 43 [D] ----- 1940 ----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLTL: 33h 24m 14s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC OFF	█ 1200 RTLTL 33h 24m 16s												█ 0000 RTLTL 33h 24m 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 32=EL-40 @ 1703 XB=40(30) [2] S/C 32=CR-5T @ 1930 XB=160(32)																									
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:	JAN 27												JAN 28													

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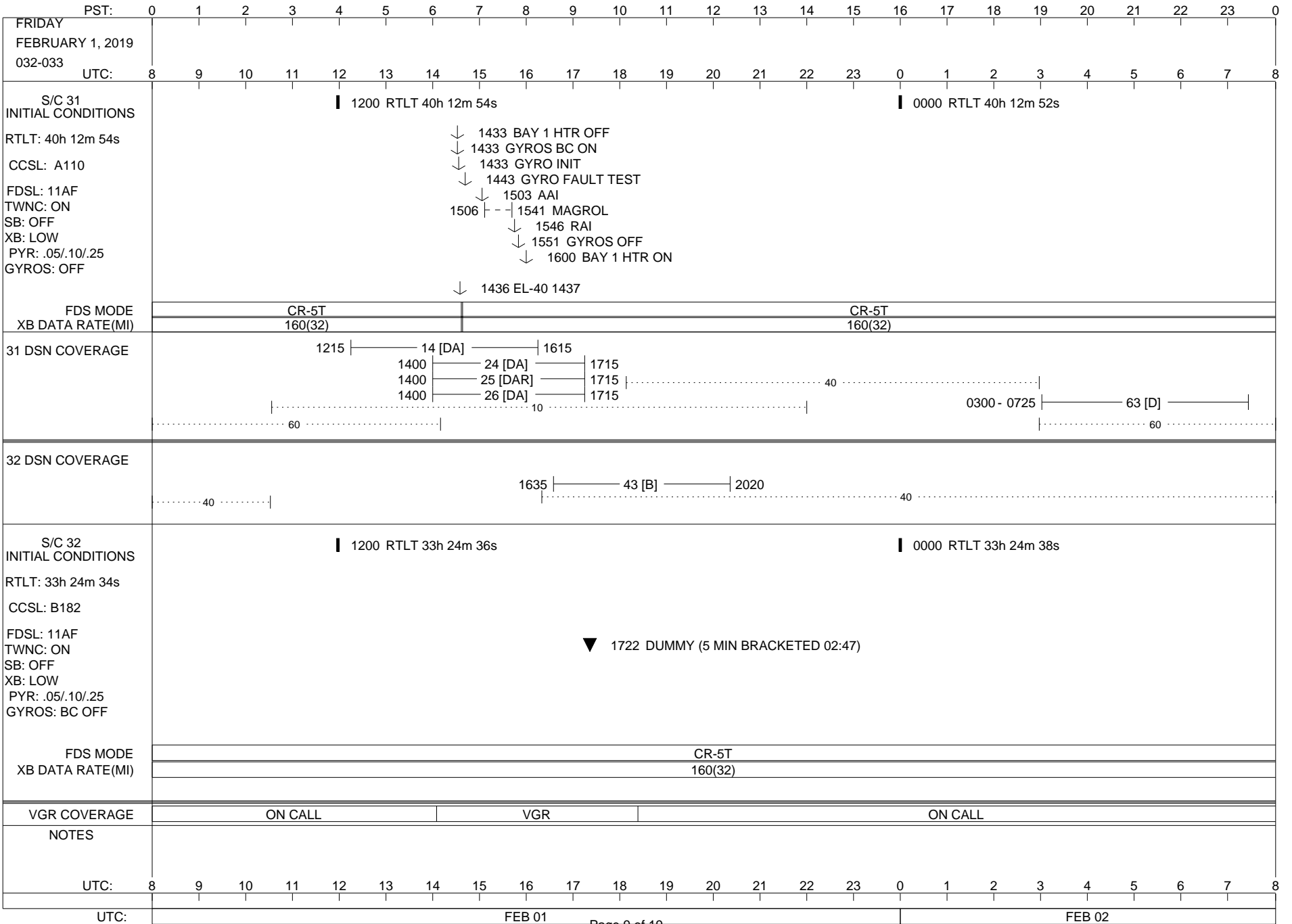


ISSUE DATE: 01/23/19 09:29



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THURSDAY JANUARY 31, 2019 031-032																																				
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S/C 31 INITIAL CONDITIONS RTLTL: 40h 12m 56s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLTL 40h 12m 56s ↓ 1241 BAY 1 HTR OFF ↓ 1241 GYROS AC ON 1241 ---- 1341 GYRO COND ↓ 1341 GYROS OFF ↓ 1350 BAY 1 HTR ON 1515 -- 1547 SSB ASCAL ↓ 1548 ROLL=.25 1244 EL-40 1246 ↓ ↓ 1455 EL-40 1551														0000 RTLTL 40h 12m 54s 0023 -- 0050 TAPPOS 0325 0327 PWS/RH 0337 0349 TAPPOS ↓ 0325 GS-4B 0327																				
FDS MODE		CR-5T							CR-5T							EL-40							CR-5T							CR-5T						
XB DATA RATE(MI)		160(32)							160(32)							40(30)							160(32)							160(32)						
31 DSN COVERAGE		1040 ----- 14 [D] ----- 1545 ----- 10 ----- ----- 40 ----- ----- 60 -----														0300 ----- 63 [D] ----- 0535 ----- 60 -----																				
32 DSN COVERAGE		1755 ----- 35 [DA] ----- 2145 1755 ----- 36 [DAR] ----- 2145 ----- 40 -----														----- 40 -----																				
S/C 32 INITIAL CONDITIONS RTLTL: 33h 24m 30s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC OFF		1200 RTLTL 33h 24m 32s														0000 RTLTL 33h 24m 34s																				
FDS MODE		CR-5T																																		
XB DATA RATE(MI)		160(32)																																		
VGR COVERAGE		ON CALL							VGR							ON CALL																				
NOTES		[1] S/C 31=EL-40 @ 1455 XB=40(30) [2] S/C 31=GS-4B @ 0325 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:		JAN 31														FEB 01																				

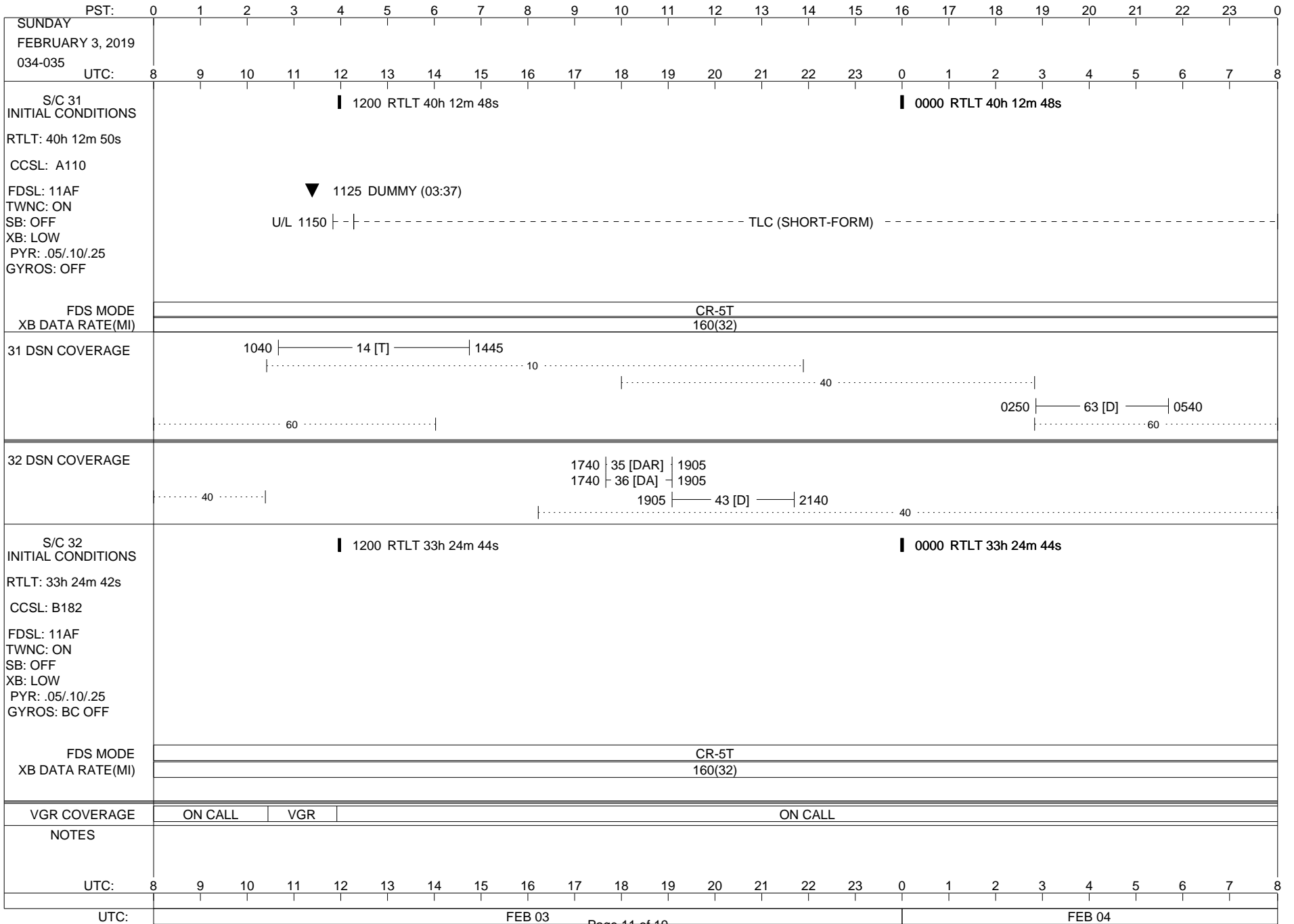
ISSUE DATE: 01/23/19 09:29



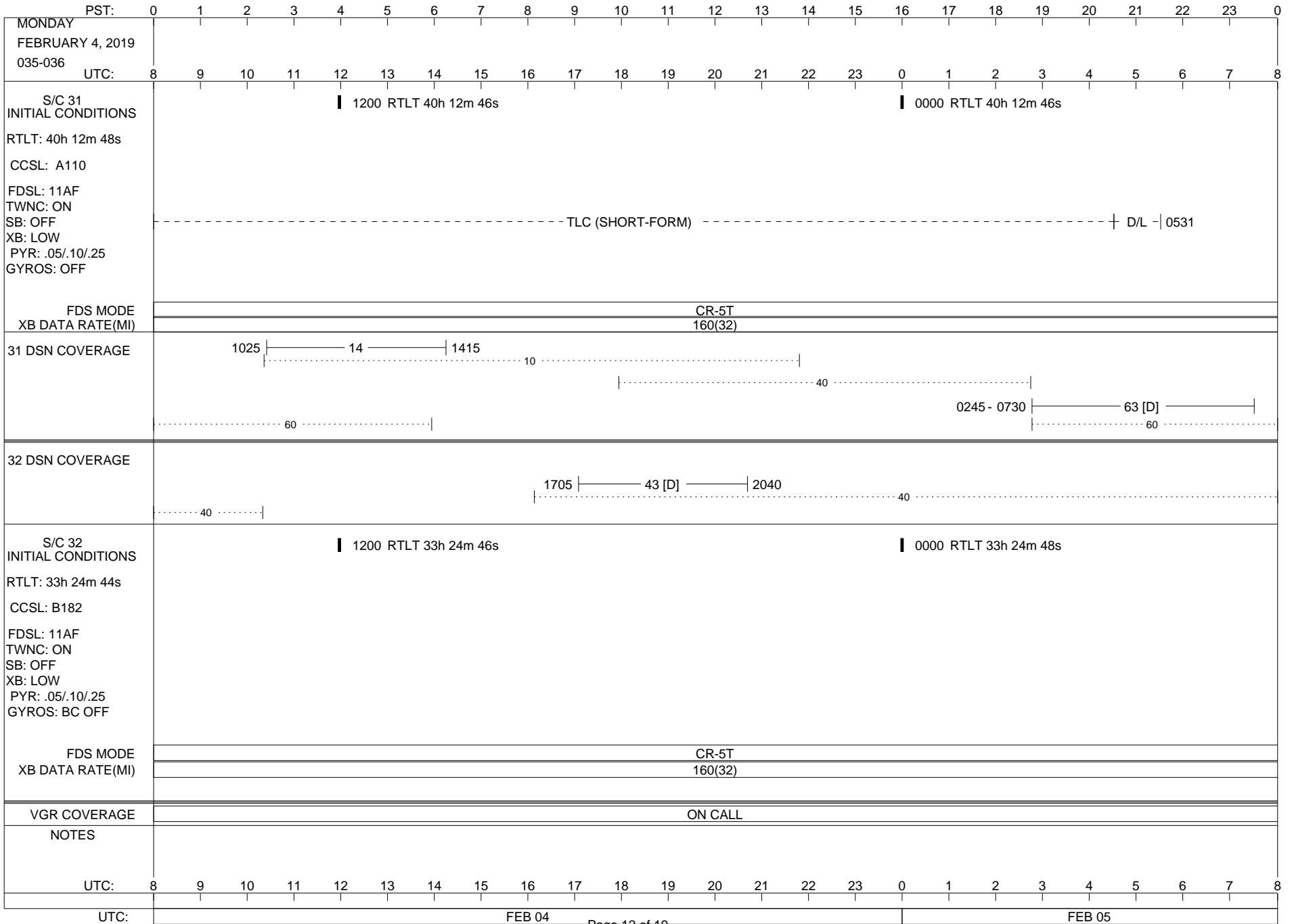
ISSUE DATE: 01/23/19 09:29

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
SATURDAY FEBRUARY 2, 2019 033-034	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 12m 52s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 12m 52s												0000 RTLT 40h 12m 50s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	----- 10 -----												----- 40 -----												
	----- 60 -----												0320 ----- 63 [D] ----- 0540 ----- 60 -----												
32 DSN COVERAGE	----- 40 -----												1620 ----- 43 [D] ----- 2050 ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 33h 24m 38s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC OFF	1200 RTLT 33h 24m 40s												0000 RTLT 33h 24m 42s												
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 @ 0625 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:	FEB 02												FEB 03												

ISSUE DATE: 01/23/19 09:29



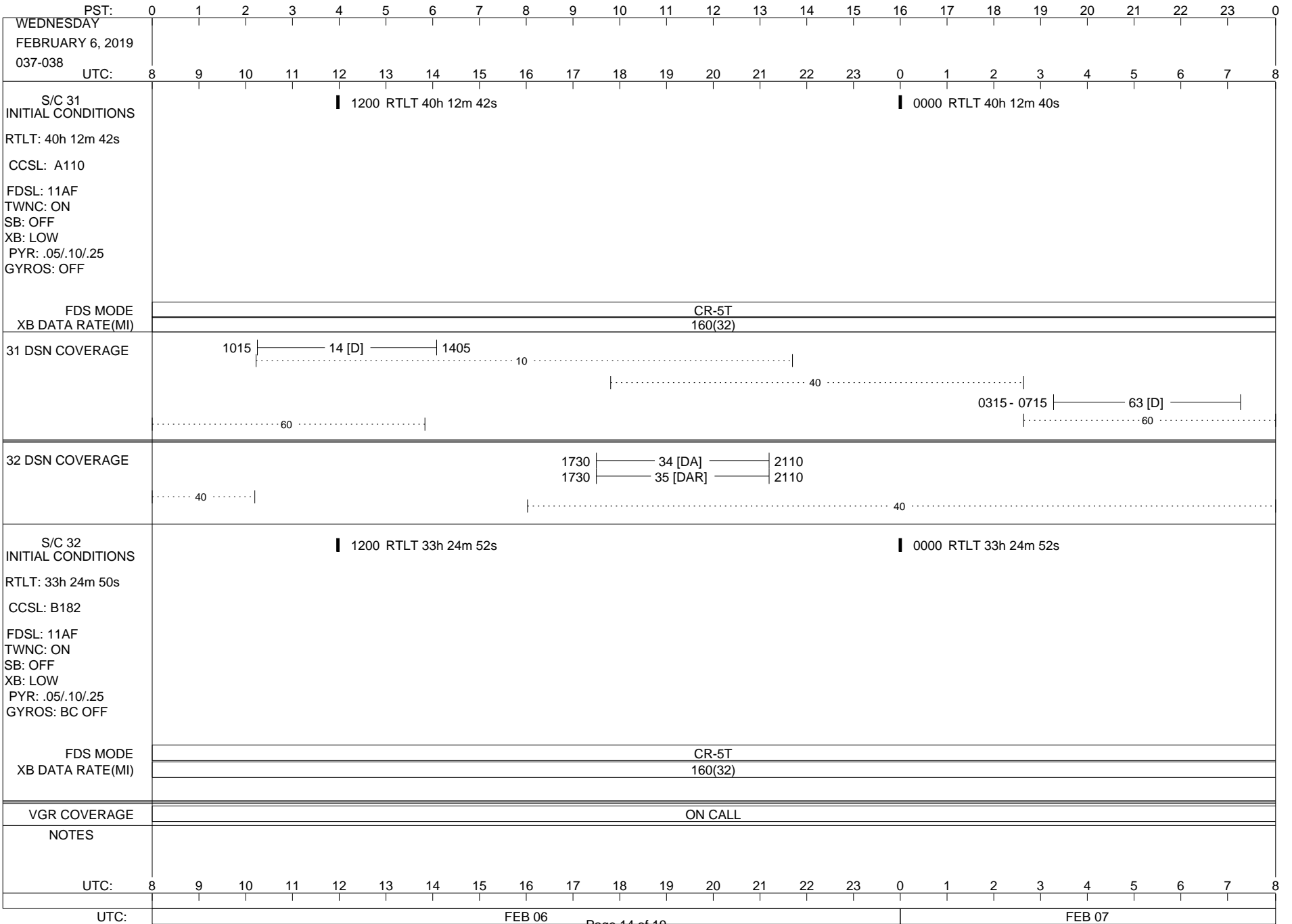
ISSUE DATE: 01/23/19 09:29



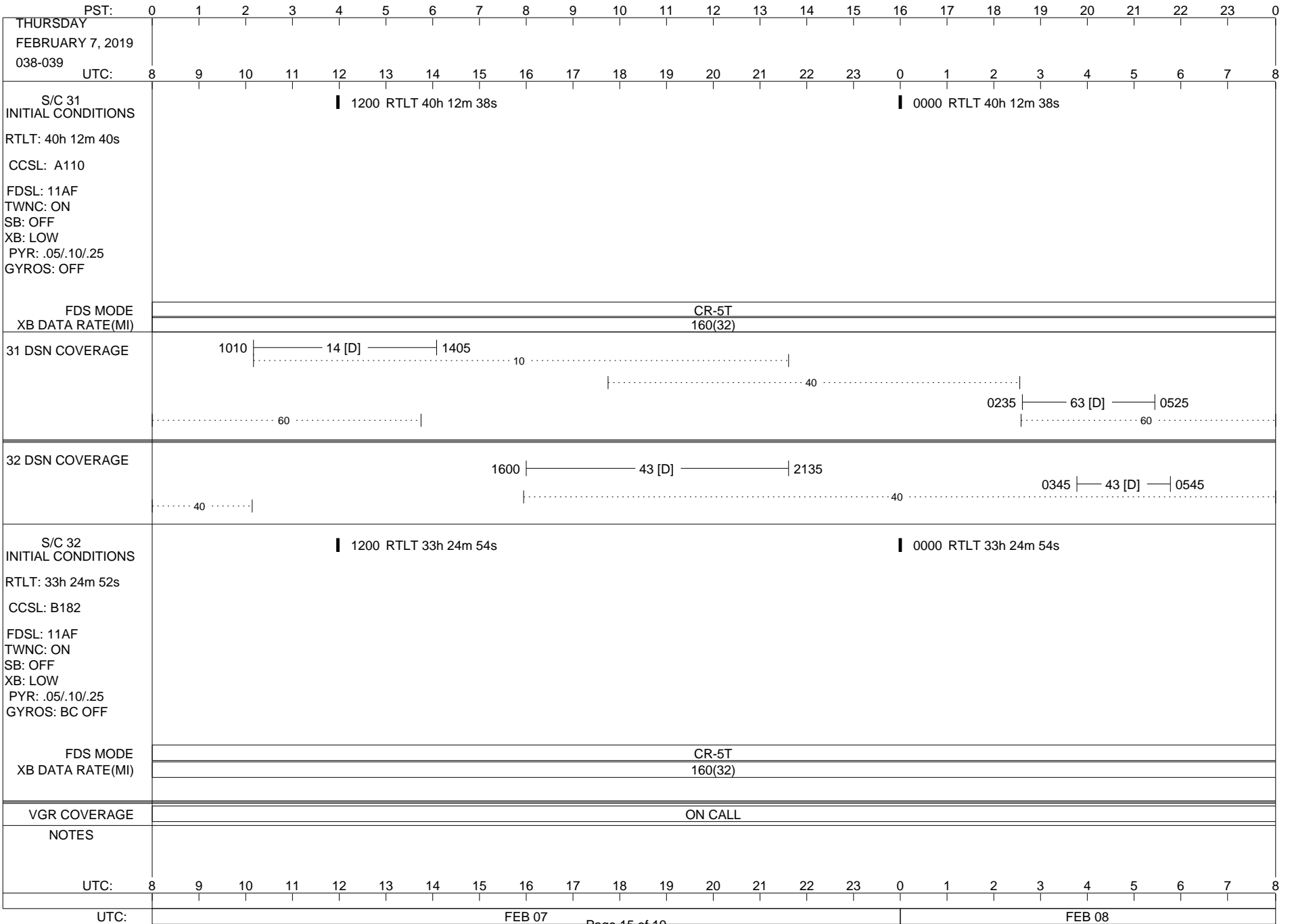
ISSUE DATE: 01/23/19 09:29

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			
TUESDAY FEBRUARY 5, 2019 036-037			
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 12m 46s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1200 RTLT 40h 12m 44s</p> </div> <div style="width: 45%;"> <p>0000 RTLT 40h 12m 42s</p> </div> </div> <p style="text-align: center;">2048 2049 PWS/RH</p> <p style="text-align: center;">↓ 2048 GS-4B 2049</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	<p>1020 ----- 14 [D] ----- 1415</p> <p style="text-align: right;">0240 - 0715 ----- 63 [D] ----- </p>		
32 DSN COVERAGE	<p style="text-align: center;">1605 ----- 43 [D] ----- 2040</p>		
S/C 32 INITIAL CONDITIONS RTLT: 33h 24m 48s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC OFF	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1200 RTLT 33h 24m 48s</p> </div> <div style="width: 45%;"> <p>0000 RTLT 33h 24m 50s</p> </div> </div> <p style="text-align: right;">2238 PLSCAL - 0020 2238 --- MAGCAL --- 0140 2238 --- PESCAL --- 0158</p>		
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 @ 2048 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: FEB 05 FEB 06			

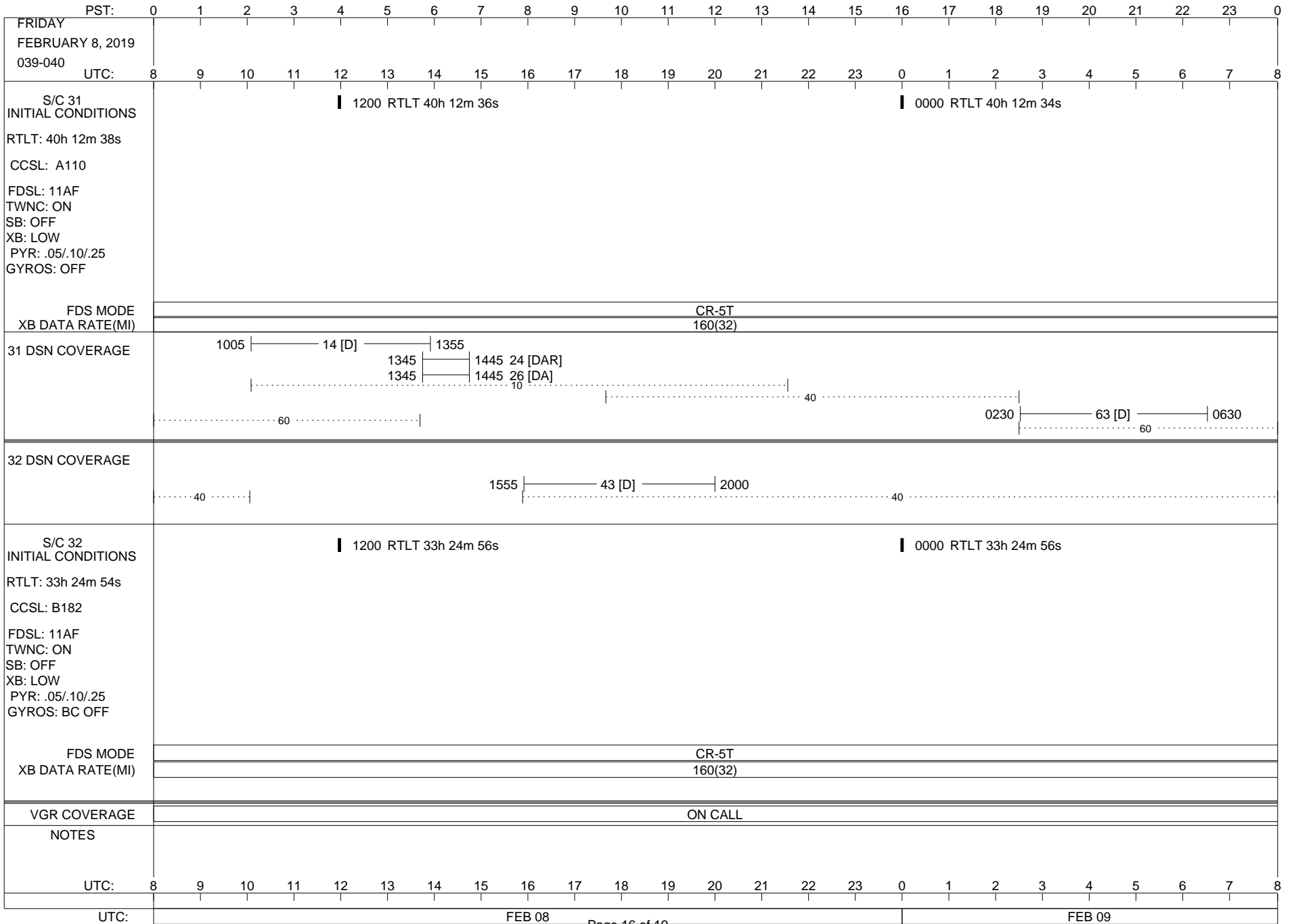
ISSUE DATE: 01/23/19 09:29



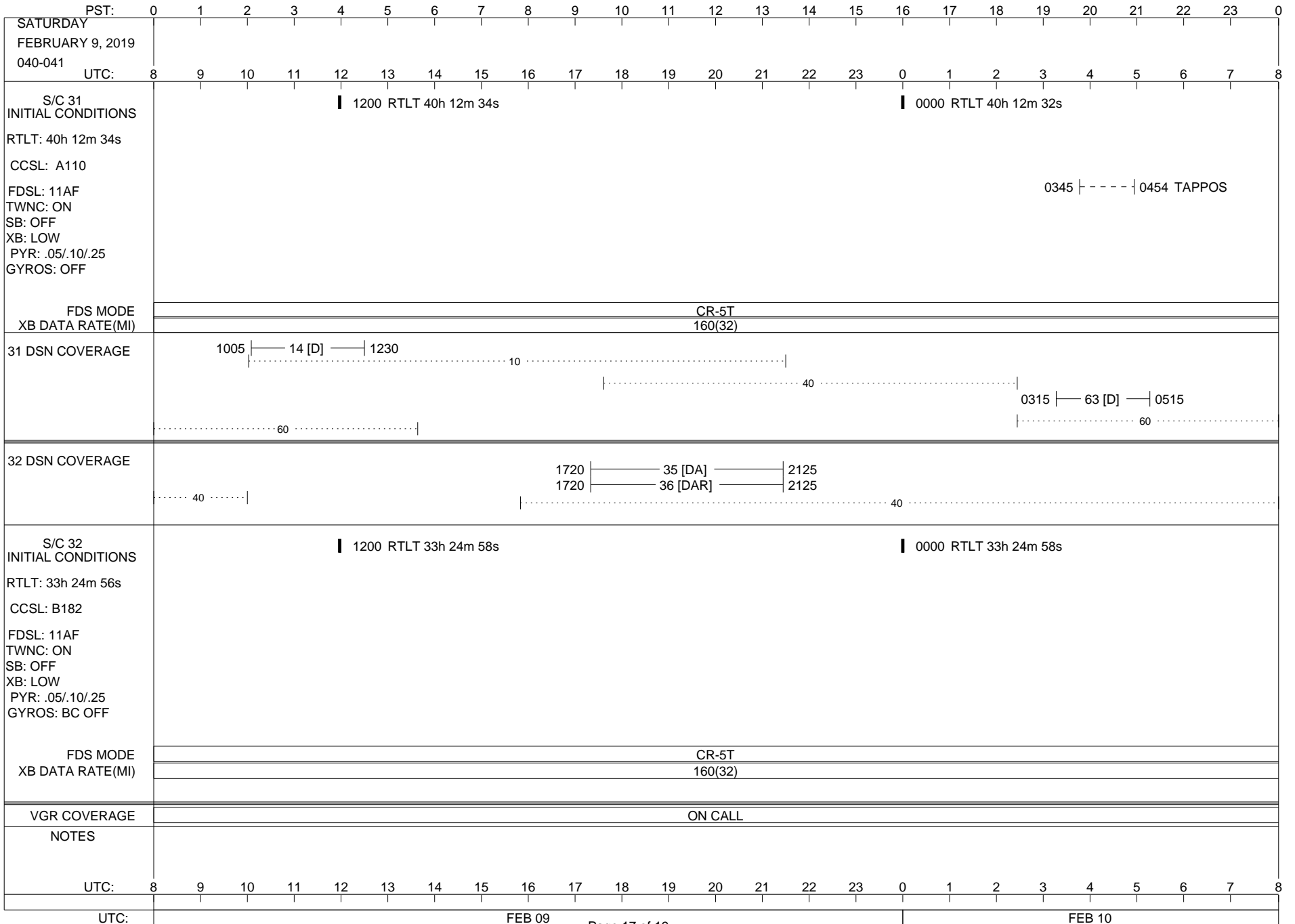
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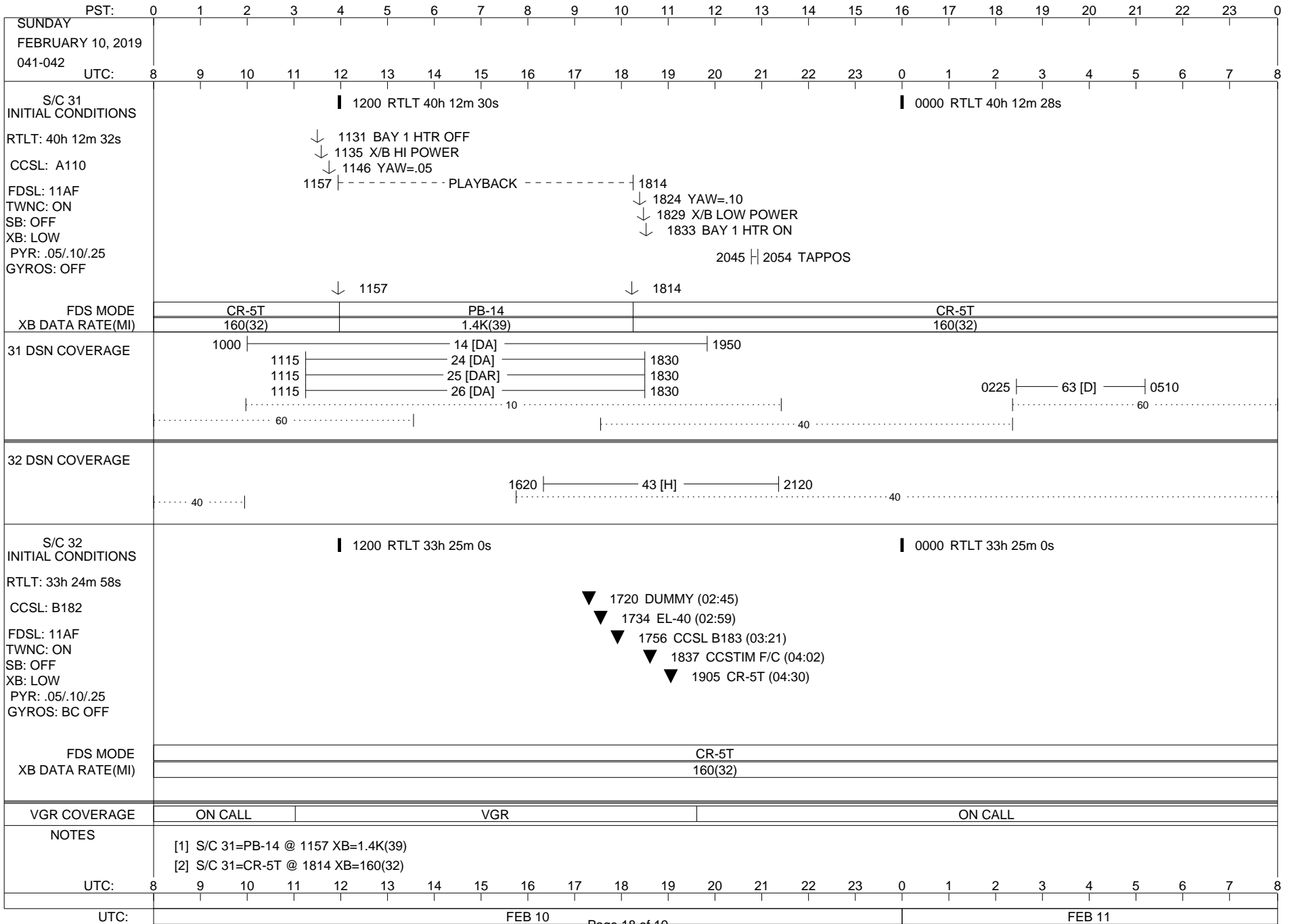


ISSUE DATE: 01/23/19 09:29



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ISSUE DATE: 01/23/19 09:29

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
MONDAY FEBRUARY 11, 2019 042-043																									
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S/C 31 INITIAL CONDITIONS RTLT: 40h 12m 28s CCSL: A110 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">█ 1200 RTLT 40h 12m 26s</p> <p style="text-align: center;">▼ 1030 DUMMY (02:42)</p> <p style="text-align: center;">↓ 1347 AHEL12 ENA</p> <p style="text-align: center;">1350 █ 1352 2 SID MRO'S</p>																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	<p>0955 ----- 14 ----- 1355</p> <p>10..... </p> <p>60..... </p>																								
32 DSN COVERAGE	<p>40..... </p> <p style="text-align: center;">1705 ----- 43 [D] ----- 1930</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 33h 25m 0s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC OFF	<p style="text-align: center;">█ 1200 RTLT 33h 25m 2s</p>																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL	VGR	ON CALL	VGR																				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:	FEB 11												FEB 12												