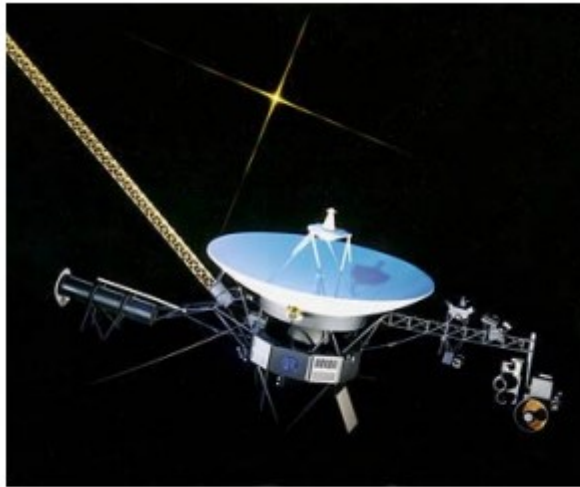


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 11, 2019

For the Period: 12/12/19 to 12/30/19 (19/346 – 19/364)



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

LEGEND:

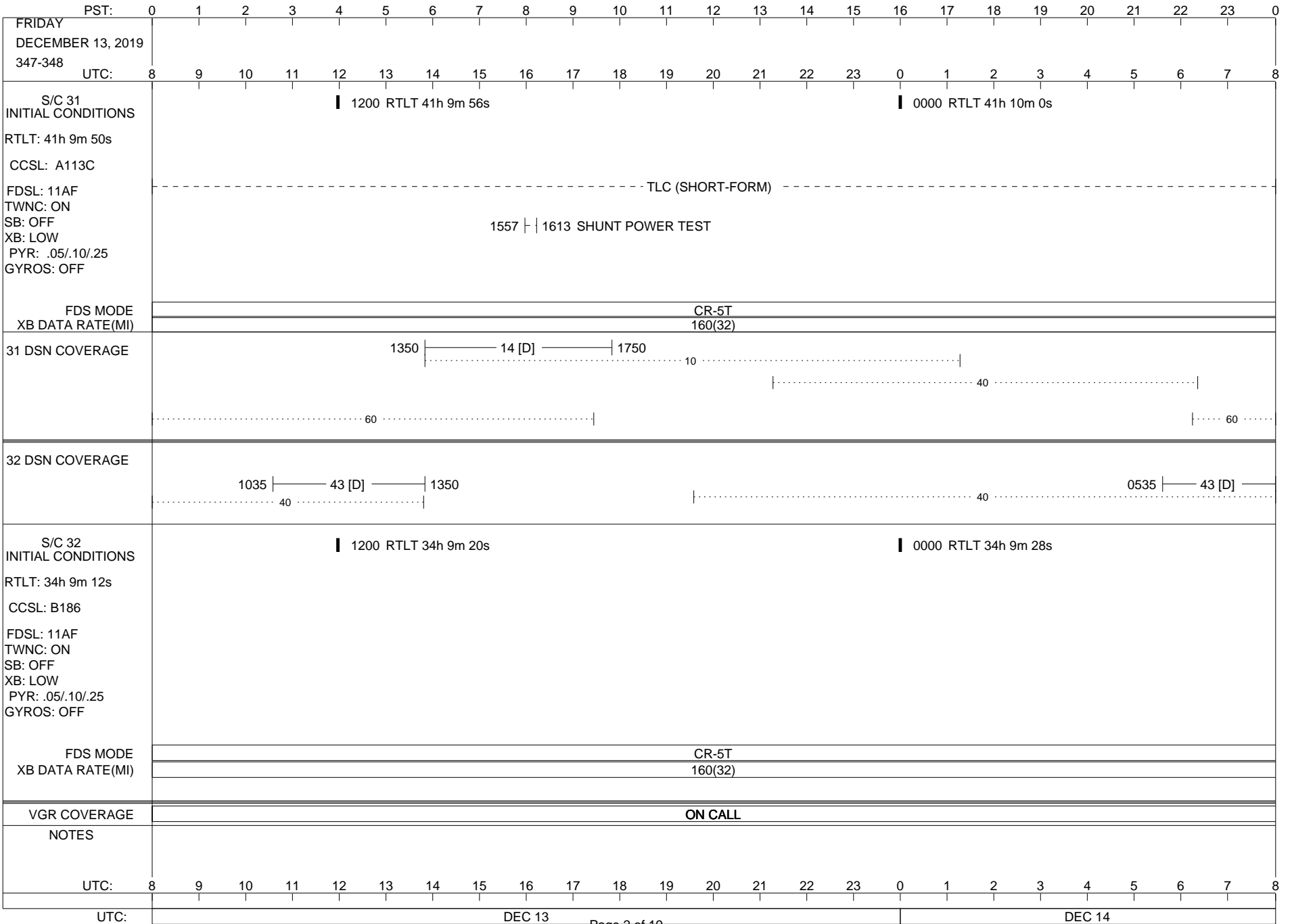
- ∇ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

02/27/19

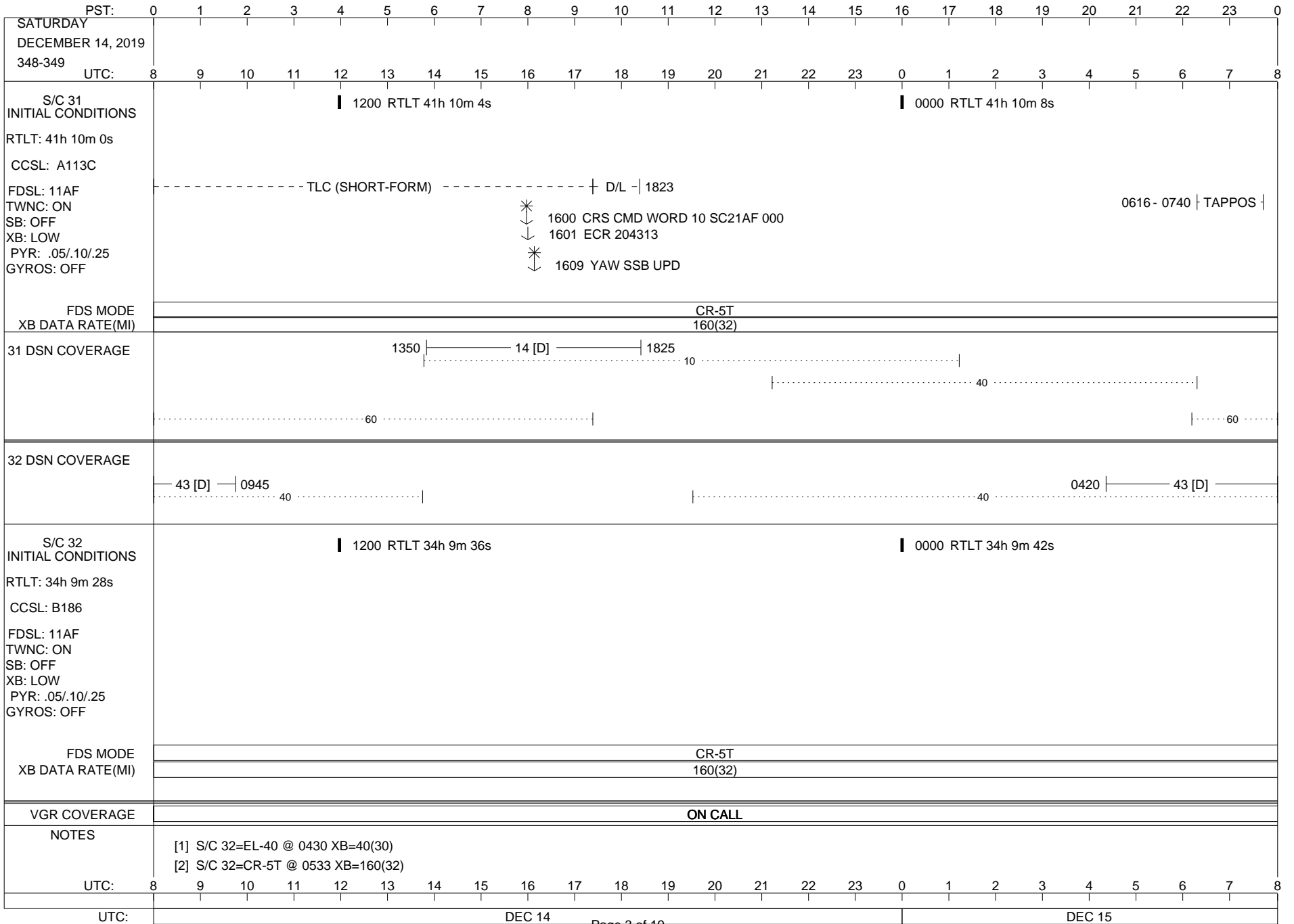
ISSUE DATE: 12/16/19 03:19

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																													
DECEMBER 12, 2019																													
346-347																													
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 41h 9m 46s												0000 RTLT 41h 9m 50s															
RTLT: 41h 9m 42s														▼ 2250 ECR 204313 & CRS CMD WORD UPD (15:59) ▼ 2258 YAW SSB UPD (16:08) ▼ 2306 DUMMY (16:16)															
CCSL: A113C																													
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	 10 2205 ----- 43 [T] ----- 0050 40 60 60																											
32 DSN COVERAGE	 40 0135 ----- 43 [DA] ----- 0535 40 0135 ----- 34 [DAR] ----- 0535																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 34h 9m 4s												0000 RTLT 34h 9m 12s															
RTLT: 34h 8m 56s		----- COMMAND MORATORIUM ----- 1651																											
CCSL: B186																													
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																													
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:		DEC 12																DEC 13											

ISSUE DATE: 12/16/19 03:19



ISSUE DATE: 12/16/19 03:19



ISSUE DATE: 12/16/19 03:19

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
SUNDAY DECEMBER 15, 2019 349-350																									
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: 41h 10m 8s CCSL: A113C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 41h 10m 12s												0000 RTLTL 41h 10m 16s												
0918 0919 PWS/RH 0930 TAPPOS - 1108													1714 ----- FULMRO ----- 2342 1714 - AACS - - 1857 1858 --- FDS --- 2110 2111 CCSA - 2226 2227 CCSB - 2342												
↓ 0918 GS-4B 0919	1700 EL-40 ↓												↓ 2343 CR-5T												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)	CR-5T 160(32)										EL-40 40(30)			CR-5T 160(32)										
31 DSN COVERAGE	<p>1625 ----- 14 [D] ----- 0025</p> <p>..... 10 40</p> <p>..... 60 0605 ----- 63 [D] ----- </p> <p>..... 60</p>																								
32 DSN COVERAGE	<p>43 [D] ----- 0915</p> <p>..... 40 ----- 40</p>																								
S/C 32 INITIAL CONDITIONS RTLTL: 34h 9m 42s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 34h 9m 50s												0000 RTLTL 34h 9m 58s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	<p>[1] S/C 31=EL-40 @ 1700 XB=40(30)</p> <p>[2] S/C 32=CR-5T @ 2343 XB=16(32)</p>																								
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:	DEC 15												Page 4 of 19						DEC 16						

ISSUE DATE: 12/16/19 03:19

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																									
DECEMBER 16, 2019																									
350-351																									
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 41h 10m 20s												█ 0000 RTLT 41h 10m 24s											
RTLT: 41h 10m 16s																									
CCSL: A113C																									
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																								
		63 [D] 1005											40.....											
	60.....											60.....											
32 DSN COVERAGE																								
		0925 43 [H1]..... 1335											40.....											
S/C 32 INITIAL CONDITIONS		█ 1200 RTLT 34h 10m 6s												█ 0000 RTLT 34h 10m 12s											
RTLT: 34h 9m 58s																									
CCSL: B186		▼ 1200 DUMMY (22:10)																							
		▼ 1205 EL-40 (22:15)																							
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						VGR						ON CALL											
NOTES		[1] DSS-43 HP DRV OFF <= 12:13																							
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
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ISSUE DATE: 12/16/19 03:19

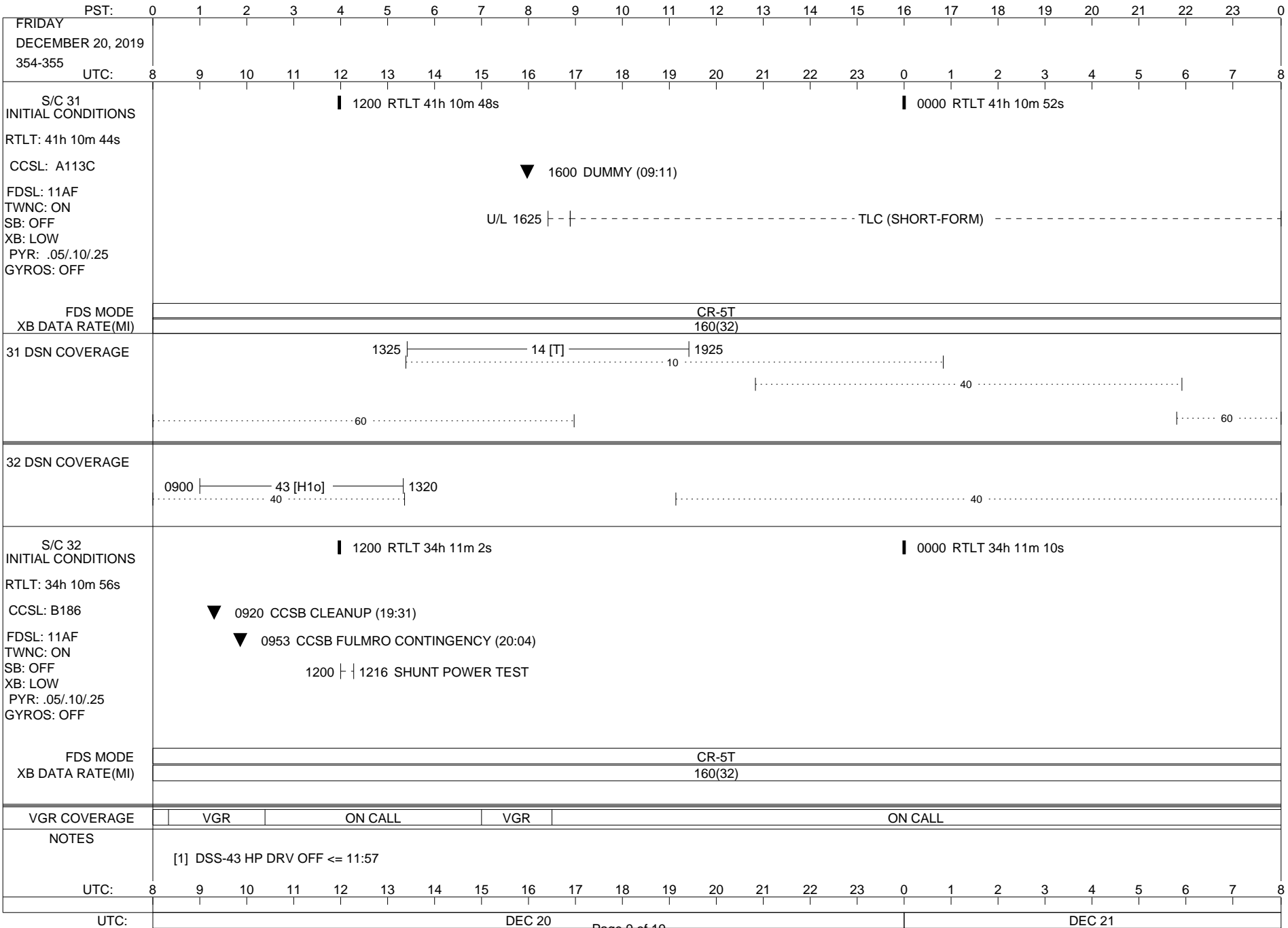
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TUESDAY DECEMBER 17, 2019 351-352																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 41h 10m 24s CCSL: A113C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 41h 10m 28s												0000 RTLT 41h 10m 30s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1335 ----- 14 [D] ----- 1735												10 ----- 40 ----- 0600 - 0715 63 [D] ----- 60												
32 DSN COVERAGE	0930 ----- 43 [D] ----- 1330												2350 ----- 43 [Ho] ----- 40												
S/C 32 INITIAL CONDITIONS RTLT: 34h 10m 12s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 10m 20s												0000 RTLT 34h 10m 28s												
FDS MODE	CR-5T												EL-40												
XB DATA RATE(MI)	160(32)												40(30)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	[1] S/C 32=EL-40 @ 2216 XB=40(30)																								
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:	DEC 17												DEC 18												

ISSUE DATE: 12/16/19 03:19

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	
WEDNESDAY DECEMBER 18, 2019 352-353																										
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: 41h 10m 30s CCSL: A113C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200																█ 0000					
FDS MODE																										
XB DATA RATE(MI)																										
31 DSN COVERAGE						1330					14 [D]			1730												
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 34h 10m 28s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200															█ 0000					
FDS MODE																										
XB DATA RATE(MI)																										
VGR COVERAGE																										
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:																										

ISSUE DATE: 12/16/19 03:19

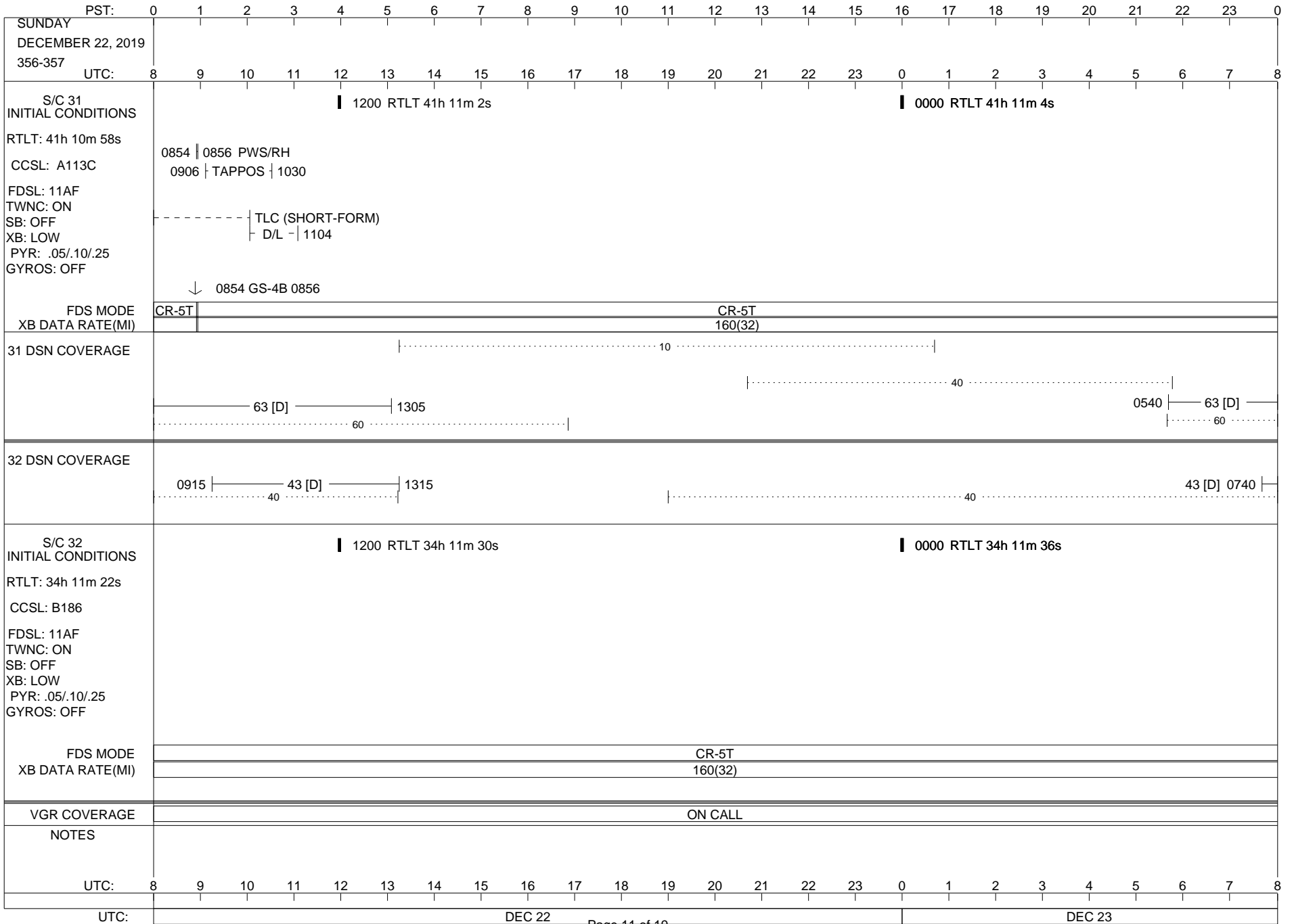
PST: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0						
THURSDAY DECEMBER 19, 2019 353-354						
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8						
S/C 31 INITIAL CONDITIONS RTLT: 41h 10m 38s CCSL: A113C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	1200 RTLT 41h 10m 42s 0000 RTLT 41h 10m 44s 0252 - TAPPOS - 0444 0554 0555 PWS/RH 0606 - 0744 TAPPOS - 0554 GS-4B 0555 ↓					
	<table border="1"> <tr> <td>FDS MODE</td> <td>CR-5T</td> <td>CR-5T</td> </tr> <tr> <td>XB DATA RATE(MI)</td> <td>160(32)</td> <td>160(32)</td> </tr> </table>	FDS MODE	CR-5T	CR-5T	XB DATA RATE(MI)	160(32)
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 RTLT: 34h 10m 42s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	1200 RTLT 34h 10m 48s 0000 RTLT 34h 10m 56s CR-5T 1021* ↓					
	<table border="1"> <tr> <td>FDS MODE</td> <td>EL-40</td> <td>CR-5T</td> </tr> <tr> <td>XB DATA RATE(MI)</td> <td>40(30)</td> <td>160(32)</td> </tr> </table>	FDS MODE	EL-40	CR-5T	XB DATA RATE(MI)	40(30)
FDS MODE	EL-40	CR-5T				
XB DATA RATE(MI)	40(30)	160(32)				
VGR COVERAGE	ON CALL VGR ON CALL					
NOTES	[1] S/C 32=CR-5T @ 1021 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: DEC 19 DEC 20						



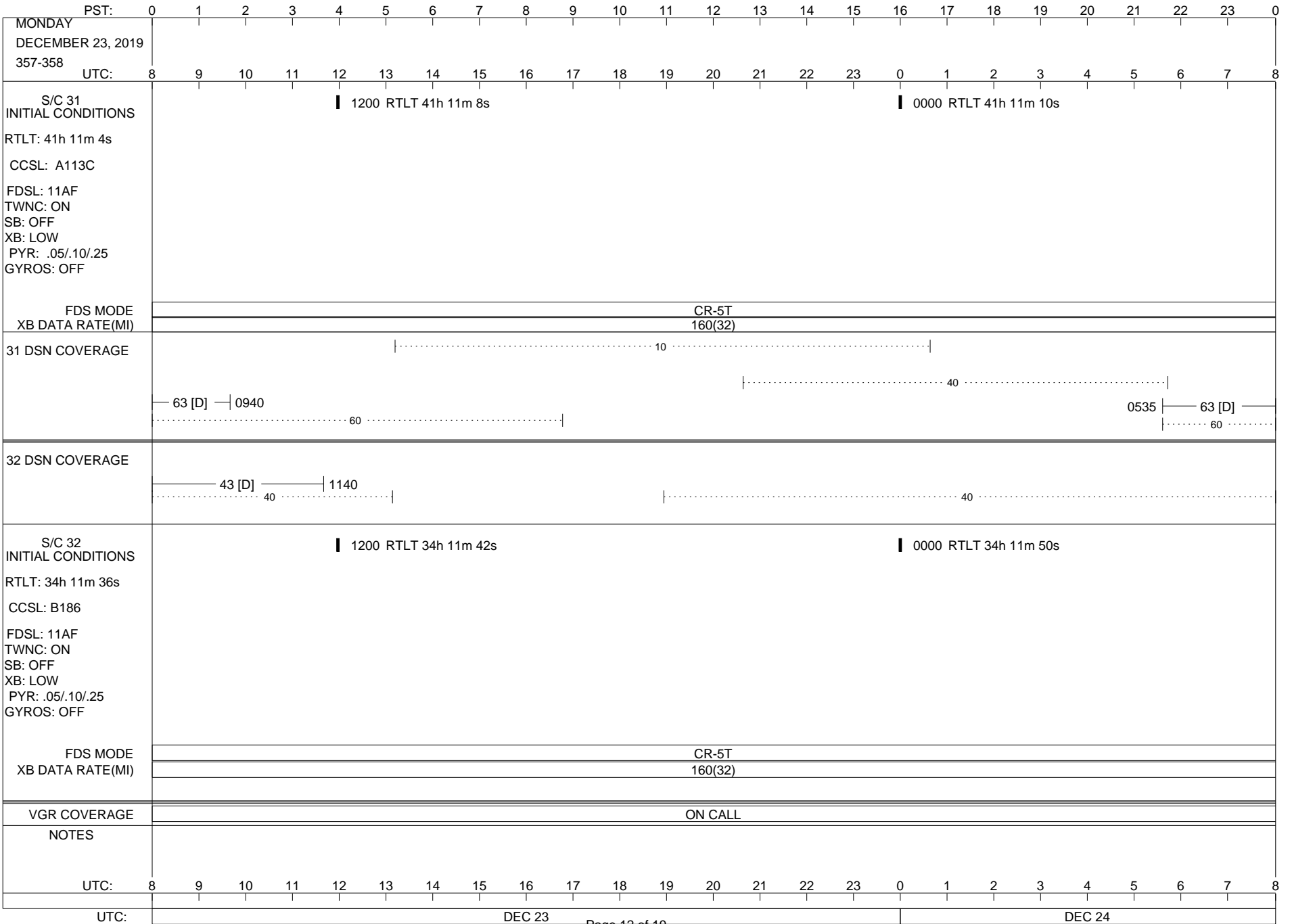
ISSUE DATE: 12/16/19 03:19

SATURDAY DECEMBER 21, 2019 355-356		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																																			
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: 41h 10m 52s CCSL: A113C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF												1200 RTLT 41h 10m 54s												0000 RTLT 41h 10m 58s											
		0552- 0731 TAPPOS -																																			
		----- TLC (SHORT-FORM) -----																																			
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																																			
31 DSN COVERAGE																																					
32 DSN COVERAGE																																					
S/C 32 INITIAL CONDITIONS RTLT: 34h 11m 10s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 34h 11m 16s												0000 RTLT 34h 11m 22s																							
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)								EL-40 40(30)				CR-5T 160(32)																							
VGR COVERAGE		ON CALL								VGR				ON CALL																							
NOTES		<p>[1] S/C 32=EL-40 @ 2005 XB=160(32)</p> <p>[2] S/C 32=CR-5T @ 2137 XB=160(32)</p>																																			
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		DEC 21												DEC 22																							
UTC:		Page 10 of 19																																			

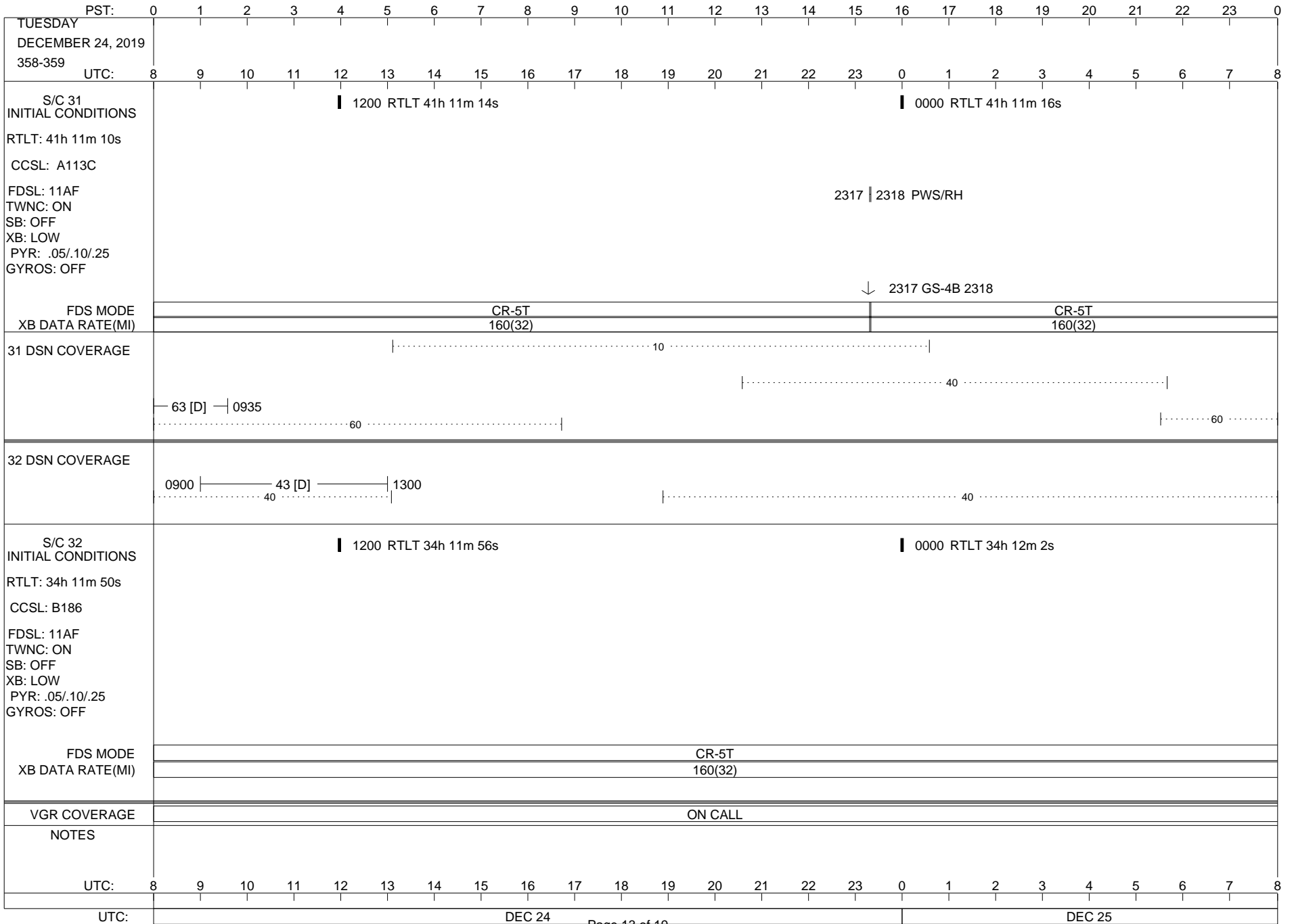
ISSUE DATE: 12/16/19 03:19



ISSUE DATE: 12/16/19 03:19



ISSUE DATE: 12/16/19 03:19



ISSUE DATE: 12/16/19 03:19

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				
WEDNESDAY DECEMBER 25, 2019 359-360	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: 41h 11m 16s CCSL: A113C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 41h 11m 20s												0000 RTLT 41h 11m 22s																
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)																
31 DSN COVERAGE	1320 ----- 14 [T] ----- 2145 ----- 10 ----- 40 ----- 60 ----- 0530 - 0715 ----- 63 [D] ----- 60																												
32 DSN COVERAGE	----- 43 [D] ----- 0830 - 1330 ----- 40 ----- 40												0025 ----- 43 [B] ----- 0310 ----- 40																
S/C 32 INITIAL CONDITIONS RTLT: 34h 12m 2s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 12m 8s												0000 RTLT 34h 12m 16s																
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)																
VGR COVERAGE	ON CALL									VGR	ON CALL									VGR	ON CALL								
NOTES	JPL HOLIDAY!																												
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:	DEC 25												DEC 26																

ISSUE DATE: 12/16/19 03:19

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 DECEMBER 26, 2019 360-361	
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: 41h 11m 22s CCSL: A113C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 41h 11m 24s</p> <p>0000 RTLT 41h 11m 28s</p> <p>----- TLC (SHORT-FORM) -----</p> <p>0229 TAPPOS 0407 0530 0532 PWS/RH 0542 TAPPOS 0707</p> <p>0530 GS-4B 0532 ↓</p>
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE	<p>..... 10</p> <p>2140 ----- 43 [D] ----- 0330</p> <p>..... 40</p> <p>..... 60</p>
32 DSN COVERAGE	<p>..... 40</p> <p>43 [D] ----- 0830 - 1255 ----- </p> <p>..... 40</p>
S/C 32 INITIAL CONDITIONS RTLT: 34h 12m 16s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 34h 12m 22s</p> <p>0000 RTLT 34h 12m 28s</p>
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
VGR COVERAGE	ON CALL
NOTES	JPL HOLIDAY!
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:	DEC 26
	Page 15 of 19
	DEC 27

ISSUE DATE: 12/16/19 03:19

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	
FRIDAY DECEMBER 27, 2019 361-362	
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: 41h 11m 28s CCSL: A113C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 41h 11m 30s</p> <p>0000 RTLT 41h 11m 32s</p> <p>----- TLC (SHORT-FORM) ----- + D/L - 1404</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<p>.....10.....</p> <p>1135 ----- 63 [D] ----- 1635</p> <p>.....60.....40.....</p>
32 DSN COVERAGE	<p>0845 ----- 43 [D] ----- 1255</p> <p>.....40.....0010 ----- 43 [o] ----- 0310</p> <p>.....40.....</p>
S/C 32 INITIAL CONDITIONS RTLT: 34h 12m 28s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 34h 12m 34s</p> <p>0000 RTLT 34h 12m 40s</p>
FDS MODE XB DATA RATE(MI)	CR-5T 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:	DEC 27 Page 16 of 19 DEC 28

ISSUE DATE: 12/16/19 03:19

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 DECEMBER 28, 2019 362-363	
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: 41h 11m 32s CCSL: A113C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 41h 11m 34s 0000 RTLT 41h 11m 36s 0529 TAPPOS 0653
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE	1925 ----- 14 [D] ----- 232510406060
32 DSN COVERAGE	0845 ----- 43 [D] ----- 1245404043 [D] 0710 -----
S/C 32 INITIAL CONDITIONS RTLT: 34h 12m 40s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 12m 46s 0000 RTLT 34h 12m 52s
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:	DEC 28 Page 17 of 19 DEC 29

ISSUE DATE: 12/16/19 03:19

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
SUNDAY DECEMBER 29, 2019 363-364	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: 41h 11m 36s CCSL: A113C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 41h 11m 40s												█ 0000 RTLT 41h 11m 42s												
0831 - 0832 PWS/RH 0842 - 0953 TAPPOS 0830 GS-4B 0832																									
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 34h 12m 52s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 34h 12m 58s												█ 0000 RTLT 34h 13m 4s												
FDS MODE XB DATA RATE(MI)													CR-5T 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:	DEC 29												DEC 30												

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 DECEMBER 30, 2019 364-365																										
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: 41h 11m 42s CCSL: A113C FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> 1200 RTLT 41h 11m 44s </div>																									
FDS MODE													↓ 2025													
XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> 1245 ----- 14 [D] ----- 1645 60..... </div>																									
32 DSN COVERAGE	<div style="text-align: center;"> 43 [D] ----- 1155 40..... </div>																									
S/C 32 INITIAL CONDITIONS RTLT: 34h 13m 4s CCSL: B186 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> 1200 RTLT 34h 13m 10s </div>																									
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:	DEC 30												DEC 31													