

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 12, 2018

For the Period: 12/13/18 to 12/31/18 (18/347 – 18/365)

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: 12/19/18 10:39

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 13, 2018 347-348																									
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 32s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 10m 36s												0000 RTLTL 40h 10m 40s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1350 ----- 14 [D] ----- 1745												10 ----- 40												
60 60												
32 DSN COVERAGE	1035 ----- 43 [D] ----- 1345												40 ----- 40												
S/C 32 INITIAL CONDITIONS RTLTL: 33h 16m 34s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 16m 42s												0000 RTLTL 33h 16m 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 @ 0612 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:	DEC 13												DEC 14												

ISSUE DATE: 12/19/18 10:39

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 14, 2018 348-349	
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 40s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 40h 10m 44s</p> <p>0000 RTLT 40h 10m 48s</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<p>63 [D] 0830 - 1115</p> <p>60</p> <p>40</p> <p>60</p>
32 DSN COVERAGE	<p>0905 43 [H1] 1340</p> <p>40</p> <p>40</p>
S/C 32 INITIAL CONDITIONS RTLT: 33h 16m 50s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 33h 16m 58s</p> <p>0000 RTLT 33h 17m 4s</p> <p>1141 ----- CMD MORATORIUM -----</p> <p>1014 CCSTIM F/C (19:30)</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
VGR COVERAGE	VGR ON CALL
NOTES	[1] HP DRV OFF <= 12:15
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 14 Page 2 of 19 DEC 15

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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 15, 2018 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: 40h 10m 48s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 10m 52s												0000 RTLTL 40h 10m 56s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1355 ----- 14 [T] ----- 1740												10 ----- 40 ----- 0605 ----- 63 [D] ----- 60												
32 DSN COVERAGE	0930 ----- 43 [H1] ----- 1330												1925 ----- 43 [D] ----- 2345 ----- 40												
S/C 32 INITIAL CONDITIONS RTLTL: 33h 17m 4s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 17m 12s												0000 RTLTL 33h 17m 20s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL	VGR		VGR		ON CALL		VGR		ON CALL		VGR		ON CALL		VGR		ON CALL		VGR		ON CALL		VGR	
NOTES	[1] 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
UTC:	DEC 15												DEC 16												

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 16, 2018 350-351	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 RTL: 40h 10m 56s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 11m 0s												0000 RTLT 40h 11m 4s												
	0913 0914 PWS/RH 0924 TAPPOS - 1102												1427 - 1459 SHUNT POWER TEST												
	----- TLC (SHORT-FORM) -----																								
	↓ 0912 GS-4B 0914																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)											CR-5T 160(32)													
31 DSN COVERAGE	1340 ----- 14 [D] ----- 1600 10 40 63 [D] ----- 1005 0600 ----- 63 [D] ----- 60 60																								
32 DSN COVERAGE	1025 ----- 43 [D] ----- 1330 40 1940 ----- 43 [B] ----- 2345 40																								
S/C 32 INITIAL CONDITIONS RTL: 33h 17m 20s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 17m 26s												0000 RTLT 33h 17m 34s												
	CMD MORATORIUM 1101												1940 ----- COMMAND MORATORIUM -----												
	* ↓ 2140 TCML HTRS ON																								
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)													
VGR COVERAGE	ON CALL											VGR ON CALL													
NOTES	[1] S/C 31=GS-4B @ 0912 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:	DEC 16												DEC 17												

ISSUE DATE: 12/19/18 10:39

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 17, 2018 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 RTLTL: 40h 11m 4s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 11m 8s												0000 RTLTL 40h 11m 12s												
D/L 0839																									
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 33h 17m 34s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 17m 42s												0000 RTLTL 33h 17m 48s												
COMMAND MORATORIUM	-----																								
BAY 1 HTR OFF 0428↓ GYROS BC ON 0428 ↓ GYRO FAULT TEST 0438↓ DISA FPGYRO 0442↓ BAY 6 HTR ON 0448↓ AAI 0459↓																									
2214 - 2246 SHUNT POWER TEST													MAGROL 0502 - 0537												
RAI 0541↓ CRU 0547↓																									
↓ 0431 EL-40 0432													CR-5T 160(32)												
VGR COVERAGE	ON CALL												VGR												
NOTES	[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0502-0537)																								
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												

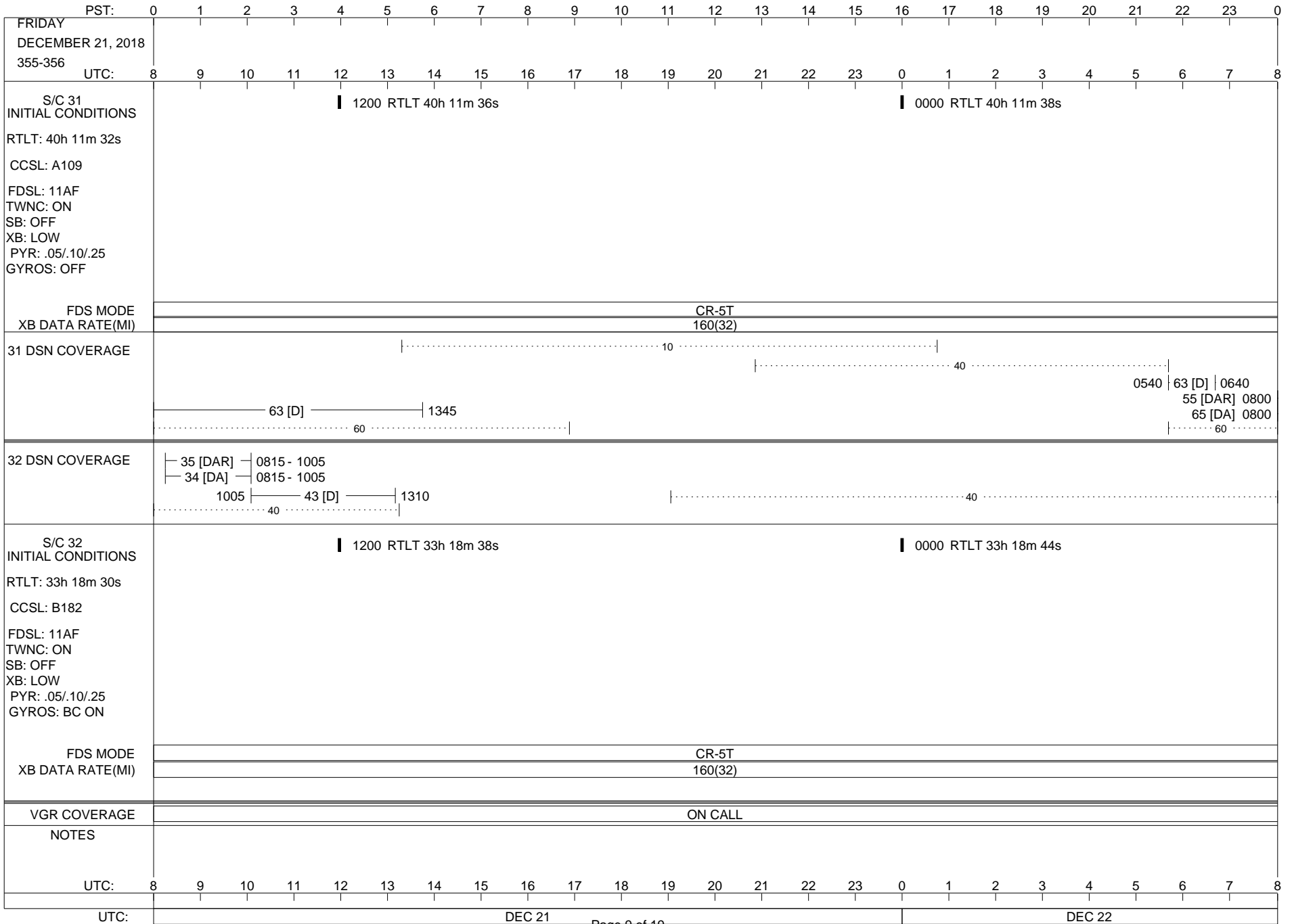
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TUESDAY DECEMBER 18, 2018 352-353																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 40h 11m 12s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 11m 16s												0000 RTLT 40h 11m 18s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	<p>63 [D] 0955</p> <p>60</p> <p>40</p> <p>0555 63 [D]</p> <p>60</p>																								
32 DSN COVERAGE	<p>43 [AHB] 1325</p> <p>40</p> <p>2000 36 [D]</p> <p>0015 43 [UHB] 0230</p> <p>40</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 33h 17m 48s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 33h 17m 56s												0000 RTLT 33h 18m 2s												
FDS MODE	CR-5T												EL-40						CR-5T						
XB DATA RATE(MI)	160(32)												40(30)						160(32)						
VGR COVERAGE	VGR								ON CALL								VGR								
NOTES	<p>[1] S/C 31=GS-4B @ 2335 XB=2.8K(41) NOT RECOVERABLE</p> <p>[2] S/C 32=EL-40 @ 0011 XB=40(30)</p> <p>[3] S/C 32=CR-5T @ 0654 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
UTC:	DEC 18												DEC 19												

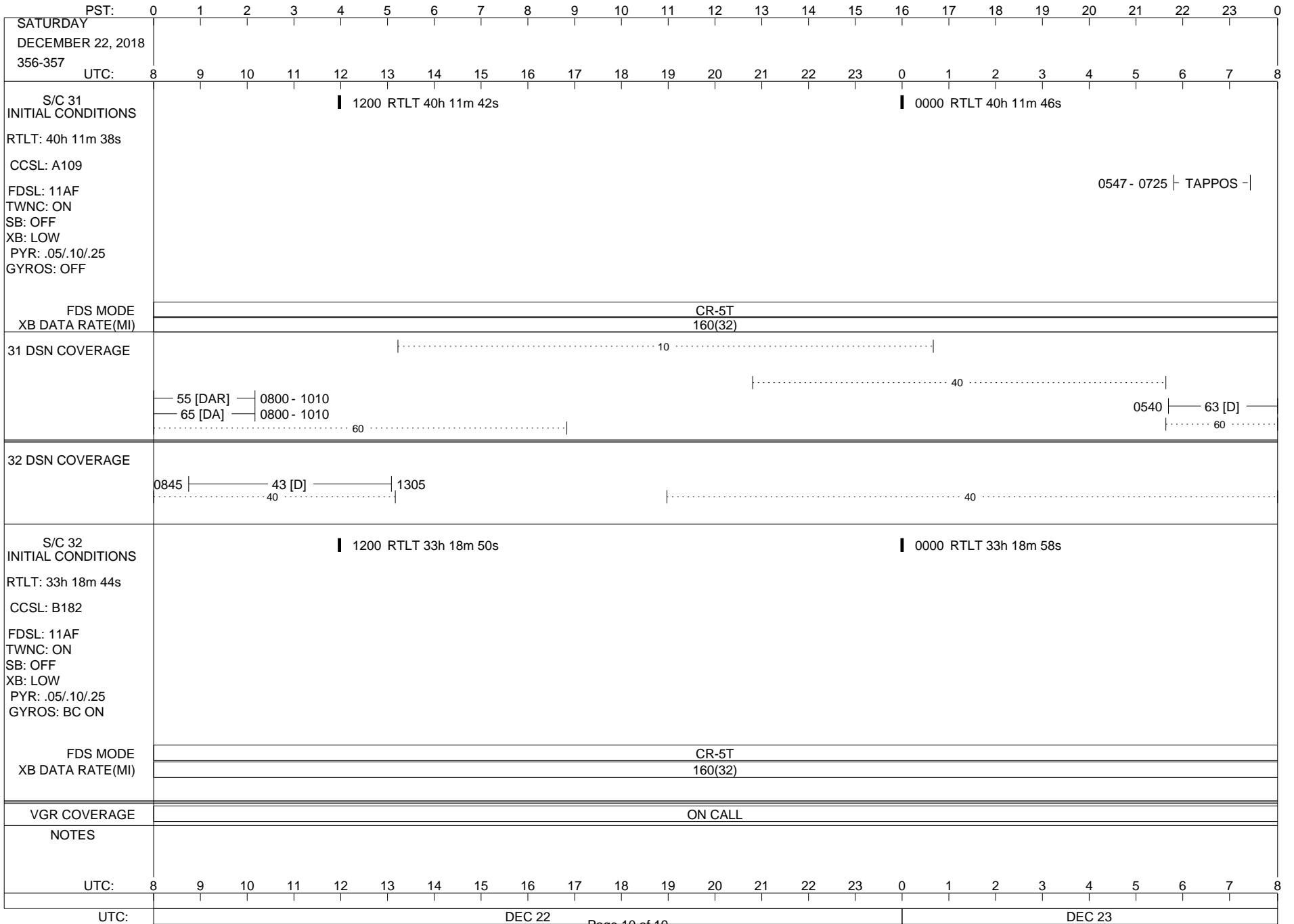
ISSUE DATE: 12/19/18 10:39

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 19, 2018																													
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		1200 RTLT 40h 11m 22s														0000 RTLT 40h 11m 26s													
RTLT: 40h 11m 18s																													
CCSL: A109																													
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		<p>1310 ----- 14 [D] ----- 1645</p> <p>..... ----- 10 ----- 40 ----- </p> <p> ----- 0835 63 [D] ----- 60 ----- 0550 - 0715 ----- 63 [D] ----- 60</p>																											
32 DSN COVERAGE		<p> ----- 0815 36 [D] ----- 40 ----- 1930 ----- 43 [HBo] ----- 0410</p> <p>..... ----- 40 ----- 40 ----- </p>																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 33h 18m 10s														0000 RTLT 33h 18m 16s													
RTLT: 33h 18m 2s																													
CCSL: B182																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: BC ON																													
FDS MODE																CR-5T													
XB DATA RATE(MI)																160(32)													
VGR COVERAGE		ON CALL														VGR							ON CALL						
NOTES		<p style="text-align: center;">* ↓ 2000 GYROS OFF, BAY 6 HTR OFF, BAY 1 HTR ON</p> <p style="text-align: right;">▼ 2322 RE-ENABLE FPGYRO (08:41)</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 19														DEC 20													

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 20, 2018 354-355																									
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 11m 26s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 40h 11m 30s												█ 0000 RTLTL 40h 11m 32s												
FDS MODE	CR-5T						EL-40						CR-5T						CR-5T						
XB DATA RATE(MI)	160(32)						40(30)						160(32)						160(32)						
31 DSN COVERAGE	1530 ----- 25 [D] ----- 2330 1530 ----- 26 [D] ----- 1755 ----- 10 ----- 40 ----- 0545 ----- 63 [D] ----- ----- 60 ----- 60																								
32 DSN COVERAGE ----- 40 ----- 1855 ----- 43 [D] ----- 2255 ----- 40 ----- 40																								
S/C 32 INITIAL CONDITIONS RTLTL: 33h 18m 16s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLTL 33h 18m 24s												█ 0000 RTLTL 33h 18m 30s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL								VGR								ON CALL								
NOTES	[1] S/C 31=EL-40 @ 1631 XB=40(30) [2] S/C 31=CR-5T @ 2314 XB=160(32) [3] S/C 31=GS-4B @ 0548 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:	DEC 20												DEC 21												

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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 23, 2018 357-358																													
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 11m 46s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLTL 40h 11m 48s														0000 RTLTL 40h 11m 50s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
31 DSN COVERAGE		<p>1325 ----- 14 [T] ----- 1610</p> <p>63 [D] 0900</p> <p>0535 ----- 63 [D] ----- </p>																											
32 DSN COVERAGE		<p>1000 ----- 43 [B,o] ----- 1305</p> <p>2205 ----- 35 [DAR] ----- 0135</p> <p>2335 ----- 36 [DA] ----- 0135</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 33h 18m 58s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON		1200 RTLTL 33h 19m 4s														0000 RTLTL 33h 19m 10s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
VGR COVERAGE		ON CALL							VGR							VGR							ON CALL						
NOTES		[1] S/C 31=GS-4B @ 0848 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:		DEC 23														DEC 24													

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 24, 2018 358-359																										
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 11m 50s CCSL: A109 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																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 33h 19m 10s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON					█ 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:																										

JPL HOLIDAY!

TUESDAY DECEMBER 25, 2018 359-360		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: 40h 11m 56s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 12m 0s	0000 RTLT 40h 12m 2s
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)	CR-5T 160(32)
31 DSN COVERAGE	<p>0800 D/L</p> <p>2312 2313 PWS/RH</p> <p>↓ 2312 GS-4B 2313</p> <p>1305 14 [D] 1525</p> <p>63 [D] 0950</p> <p>0525 63 [D]</p>	
32 DSN COVERAGE	<p>0845 43 [D] 1255</p> <p>2015 35 [DAR] 2305</p> <p>2015 36 [DA] 2335</p>	
S/C 32 INITIAL CONDITIONS RTLT: 33h 19m 24s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 33h 19m 30s	0000 RTLT 33h 19m 36s
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)	
VGR COVERAGE	ON CALL	
NOTES	[1] S/C 31=GS-4B @ 2312 XB=2.8K(41) NOT RECOVERABLE 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

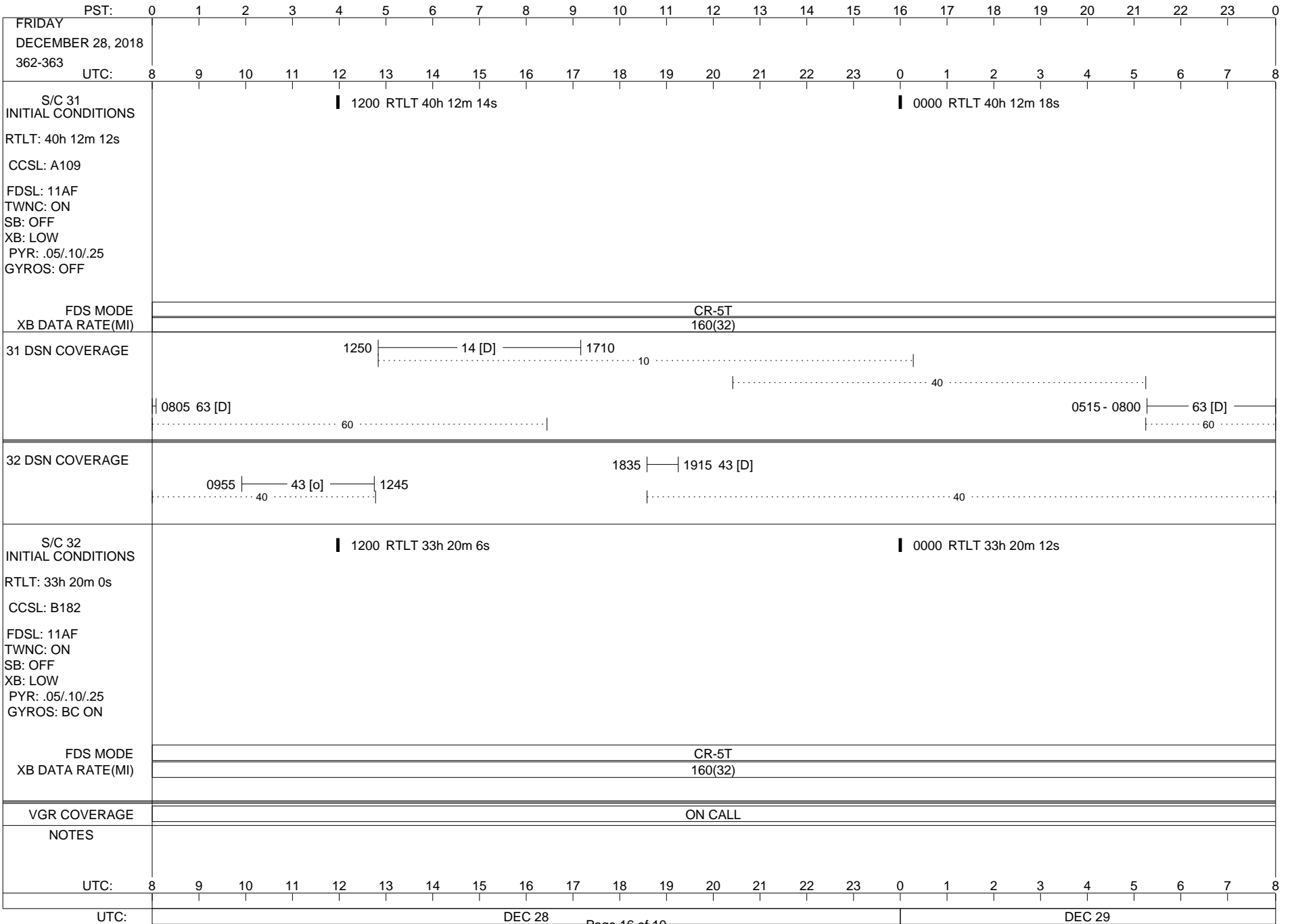
ISSUE DATE: 12/19/18 10:39

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 26, 2018 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: 40h 12m 2s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█																					
FDS MODE																										
XB DATA RATE(MI)																										
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 33h 19m 36s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON					█																					
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: 12/19/18 10:39

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 27, 2018 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 RTLTL: 40h 12m 8s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 12m 10s												0000 RTLT 40h 12m 12s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1255 14 [D] 1545												10												
	0805 63 [D]												40												
	60												0520 63 [D]												
													60												
32 DSN COVERAGE	0940 43 [D] 1250												1840 1920 43 [D]												
	40												40												
S/C 32 INITIAL CONDITIONS RTLTL: 33h 19m 48s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 33h 19m 54s												0000 RTLT 33h 20m 0s												
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 @ 0525 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:	DEC 27												DEC 28												

ISSUE DATE: 12/19/18 10:39



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 29, 2018 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 RTLTL: 40h 12m 18s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 12m 20s												0000 RTLTL 40h 12m 22s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	1250 ----- 14 [D] ----- 1510 1500 ----- 24 [DAR] ----- 1650 1500 ----- 26 [DA] ----- 1650												0800 63 [D] 60 10 40 60															
32 DSN COVERAGE	1040 ----- 43 [B] ----- 1240 40												2005 ----- 36 [DAR] ----- 2350 2005 ----- 35 [DA] ----- 2350 40															
S/C 32 INITIAL CONDITIONS RTLTL: 33h 20m 12s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLTL 33h 20m 18s												0000 RTLTL 33h 20m 24s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE	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:	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
SUNDAY DECEMBER 30, 2018 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 RTLTL: 40h 12m 22s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 40h 12m 24s												█ 0000 RTLTL 40h 12m 26s												
	0825 - 0826 PWS/RH ----- 0837 - 0947 TAPPOS																								
	↓ 0825 GS-4B 0826																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	1450 ----- 24 [DAR] ----- 1900 1450 ----- 25 [DA] ----- 1900												10												
	0800 63 [D] ----- 60												40												
													0505 ----- 63 [D] ----- 60												
32 DSN COVERAGE	40												1830 ----- 43 [D] ----- 2355												
													40												
S/C 32 INITIAL CONDITIONS RTLTL: 33h 20m 24s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLTL 33h 20m 30s												█ 0000 RTLTL 33h 20m 36s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0825 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:	DEC 30												DEC 31												

ISSUE DATE: 12/19/18 10:39

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 31, 2018 365-001																											
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 26s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>█ 1200 RTLT 40h 12m 28s</p> <p>▼ 1325 DUMMY (05:37)</p>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p>1255 ----- 14 ----- 1540</p> <p>63 [D] ----- 0940</p> <p>..... 60</p>																										
32 DSN COVERAGE	<p>0925 ----- 43 [D] ----- 1235</p> <p>..... 40</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 33h 20m 36s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	<p>█ 1200 RTLT 33h 20m 42s</p>																										
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 31													JAN 01													