

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: 02/21/19 12:37

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	<p>1350 ----- 14 [D] ----- 1745</p> <p>.....10.....40..... </p> <p>.....60.....60..... </p>																								
32 DSN COVERAGE	<p>1035 ----- 43 [D] ----- 1345</p> <p>.....40.....40..... </p>																								
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: 02/21/19 12:37

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	<div style="display: flex; justify-content: space-between;"> <div> <p>1200 RTLT 40h 10m 44s</p> </div> <div> <p>0000 RTLT 40h 10m 48s</p> </div> </div>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<p>63 [D] 0830 - 1115</p> <p>60</p> <p>10</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	<div style="display: flex; justify-content: space-between;"> <div> <p>1200 RTLT 33h 16m 58s</p> </div> <div> <p>0000 RTLT 33h 17m 4s</p> </div> </div> <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

ISSUE DATE: 02/21/19 12:37

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)												
31 DSN COVERAGE	1355 ----- 14 [T] ----- 1740												10 ----- 40 ----- 0605 ----- 63 [D] ----- 60												
32 DSN COVERAGE	0930 ----- 43 [HP red, switched to LP] ----- 1330												1925 ----- 43 [D] ----- 2345												
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	ON CALL	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																									
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 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) -----																							D/L	
	↓ 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																								
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 CMD MORATORIUM 1101												0000 RTLT 33h 17m 34s 1940 ----- COMMAND MORATORIUM -----												
	* ↓ 2140 TCML HTRS OFF																								
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: 02/21/19 12:37

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 RTLT: 40h 11m 4s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 11m 8s												0000 RTLT 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 RTLT: 33h 17m 34s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 17m 42s												0000 RTLT 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												

ISSUE DATE: 02/21/19 12:37

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 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>10</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 COMMAND MORATORIUM ----- 1910														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: 02/21/19 12:37

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
RTLT: 40h 11m 18s
CCSL: A109
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 40h 11m 22s

0000 RTLT 40h 11m 26s

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)

31 DSN COVERAGE
1310 |----- 14 [D] -----| 1645
|----- 10 -----|
|----- 40 -----|
| 0835 63 [D] |----- 60 -----|
|----- 60 -----| 0550 - 0715 | 63 [D] |
|----- 60 -----|

32 DSN COVERAGE
| 0815 36 [D] |----- 40 -----|
|----- 40 -----| 1930 |----- 43 [HBo] -----| 0410
|----- 40 -----|

S/C 32
INITIAL CONDITIONS
RTLT: 33h 18m 2s
CCSL: B182
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 33h 18m 10s

0000 RTLT 33h 18m 16s

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)

*
↓ 2000 GYROS OFF, BAY 6 HTR OFF, BAY 1 HTR ON

VGR COVERAGE ON CALL VGR ON CALL

NOTES

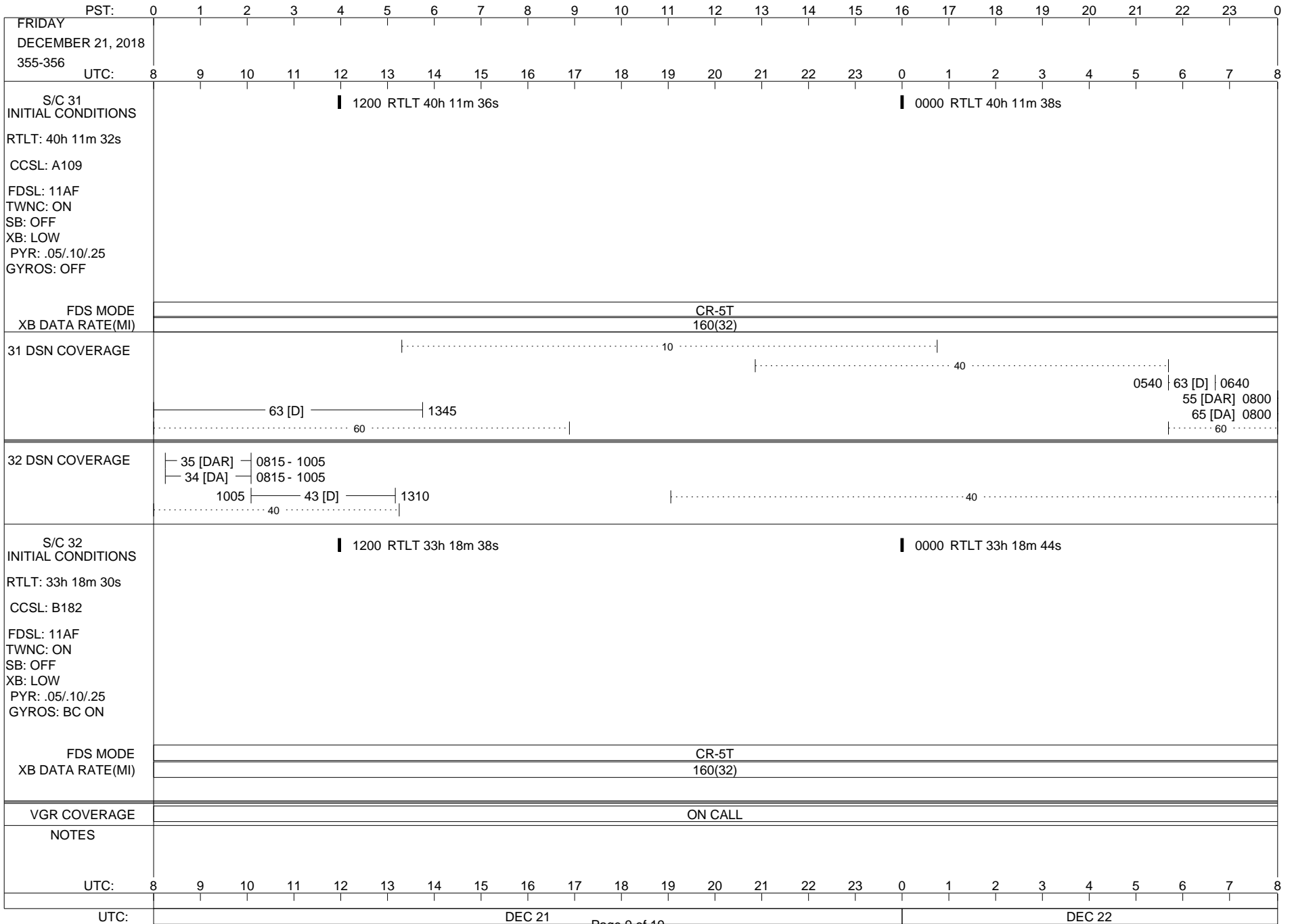
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: DEC 19 Page 7 of 19 DEC 20

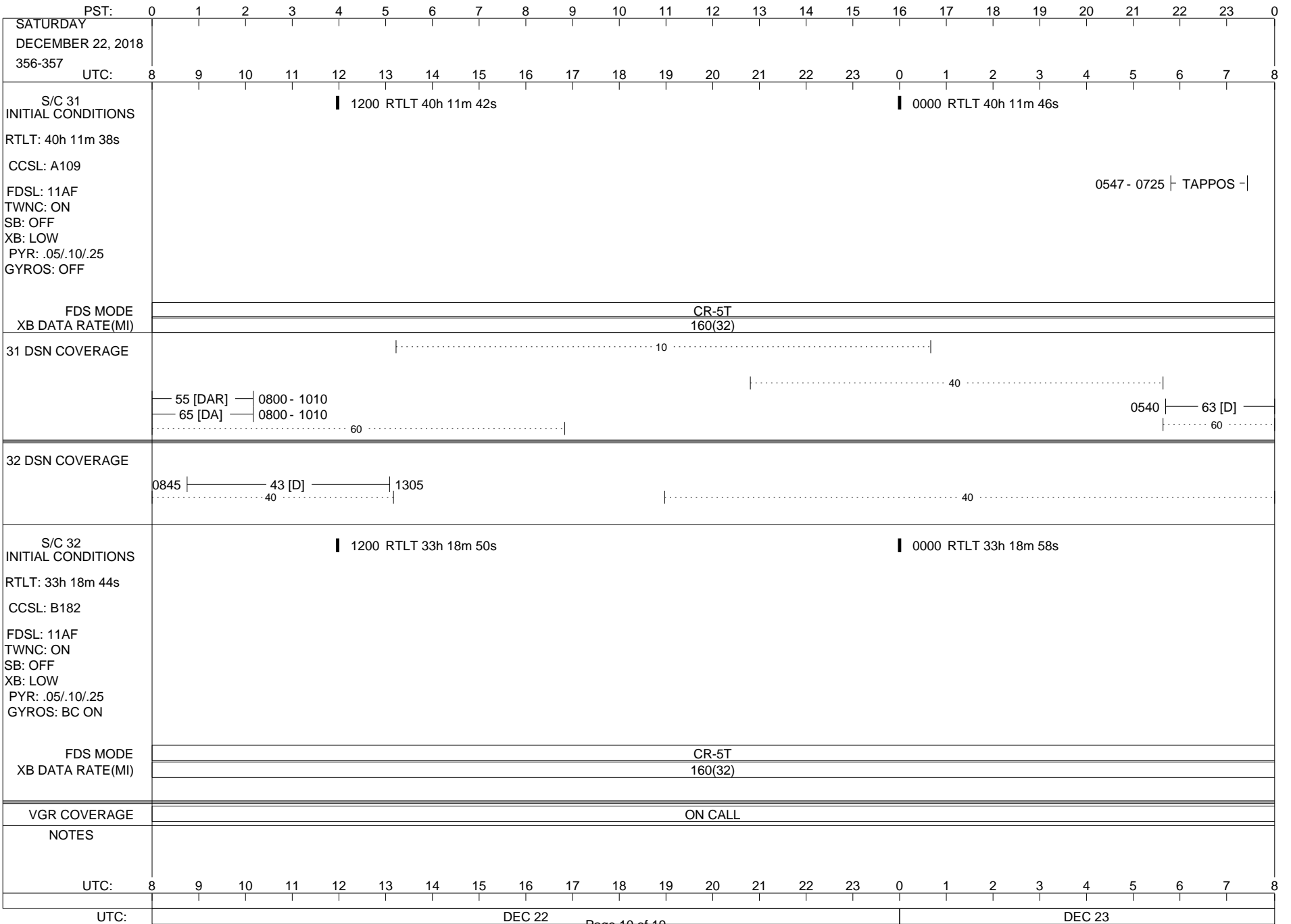
ISSUE DATE: 02/21/19 12:37

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																												
32 DSN COVERAGE																												
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													

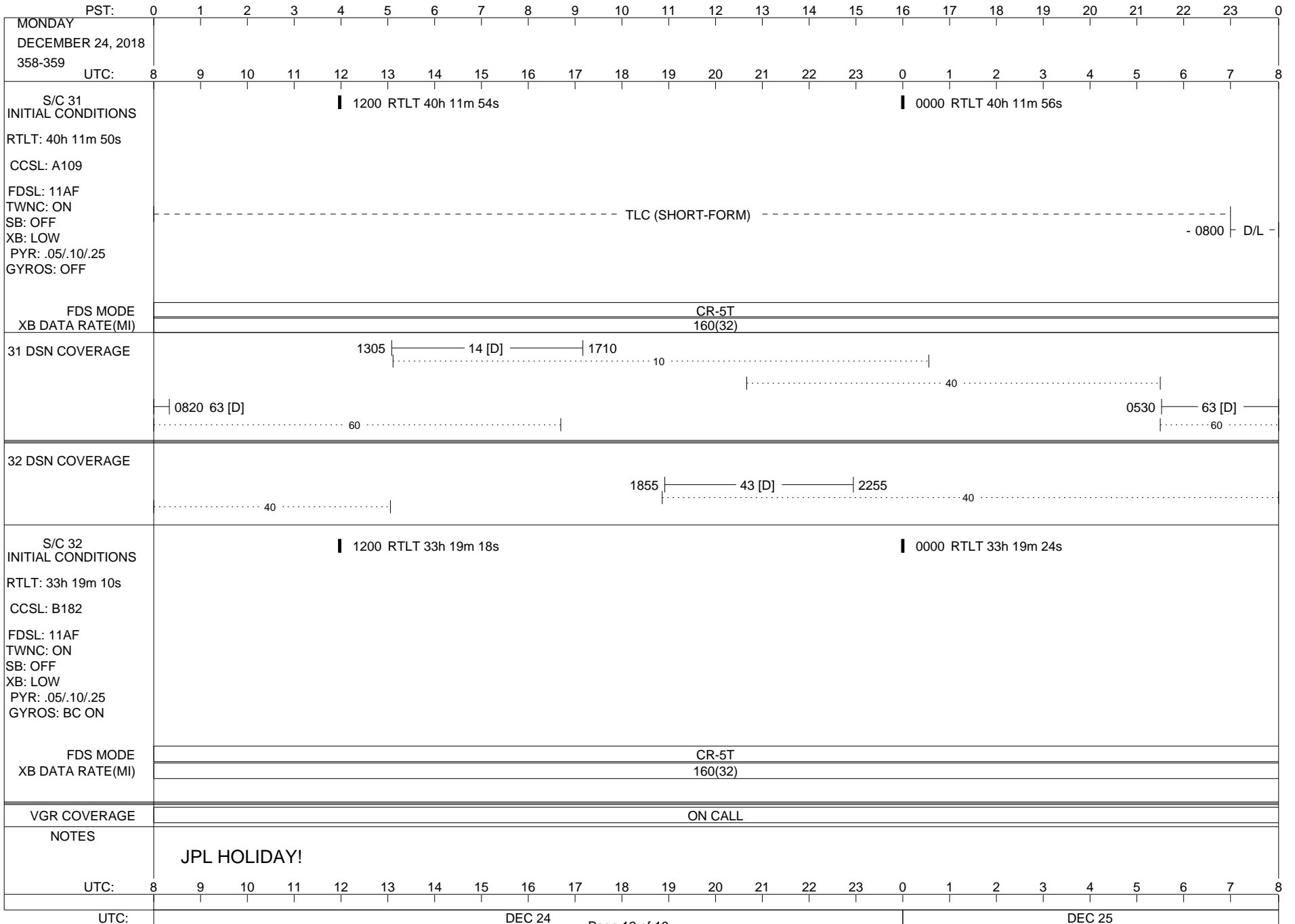
ISSUE DATE: 02/21/19 12:37



ISSUE DATE: 02/21/19 12:37



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		1325 ----- 14 [T] ----- 1610 ----- 10 ----- ----- 40 ----- 63 [D] 0900 ----- 60 ----- ----- 60 ----- 0535 ----- 63 [D] ----- ----- 60 -----																										
32 DSN COVERAGE		1000 ----- 43 [B,o] ----- 1305 ----- 40 ----- 2205 ----- 35 [DAR] ----- 0135 2335 ----- 36 [DA] ----- 0135 ----- 40 -----																										
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			
TUESDAY																													
DECEMBER 25, 2018																													
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		1200 RTLT 40h 12m 0s														0000 RTLT 40h 12m 2s													
RTLT: 40h 11m 56s																													
CCSL: A109																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
0800 D/L																													
FDS MODE		CR-5T														CR-5T													
XB DATA RATE(MI)		160(32)														160(32)													
31 DSN COVERAGE		<p>1305 ----- 14 [D] ----- 1525</p> <p>----- 10 ----- </p> <p> ----- 40 ----- </p> <p>----- 60 ----- </p> <p>----- 63 [D] ----- 0950</p> <p>----- 60 ----- </p> <p>----- 0525 ----- ----- 63 [D] ----- </p> <p>----- 60 ----- </p>																											
32 DSN COVERAGE		<p>0845 ----- 43 [D] ----- 1255</p> <p>----- 40 ----- </p> <p>2015 ----- 35 [DAR] ----- 2305</p> <p>2015 ----- 36 [DA] ----- 2335</p> <p>----- 40 ----- </p>																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 33h 19m 30s														0000 RTLT 33h 19m 36s													
RTLT: 33h 19m 24s																													
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																											
NOTES		<p>[1] S/C 31=GS-4B @ 2312 XB=2.8K(41) NOT RECOVERABLE</p> <p>JPL HOLIDAY!</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 25														DEC 26													

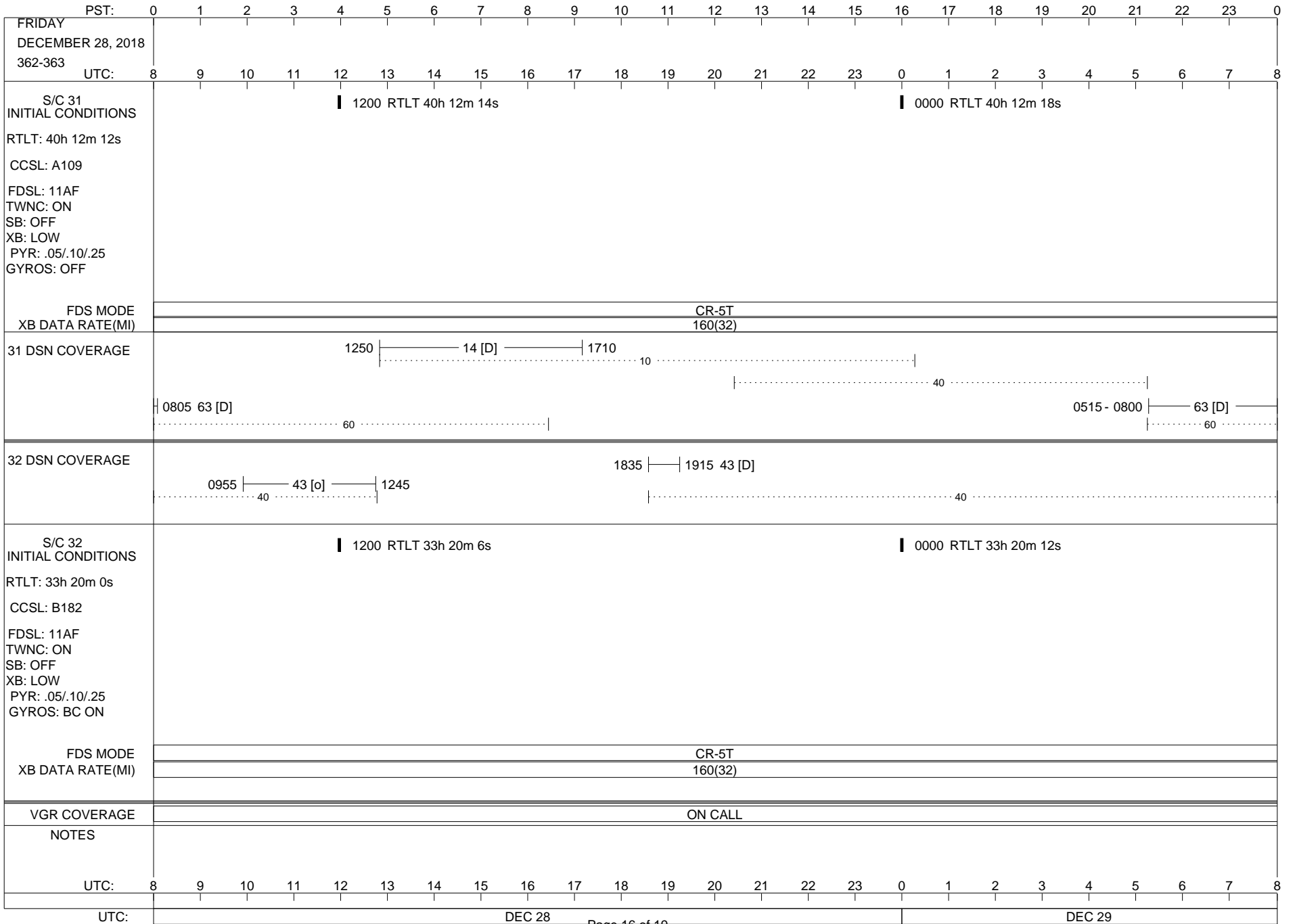
ISSUE DATE: 02/21/19 12:37

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 RTLTL: 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 RTLTL: 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: 02/21/19 12:37

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 RTLT: 40h 12m 8s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 40h 12m 10s</p> <p>0000 RTLT 40h 12m 12s</p> <p>0223 TAPPOS - 0401</p> <p>0525 0526 PWS/RH</p> <p>0537 TAPPOS 0701</p> <p>0525 GS-4B 0526 ↓</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<p>1255 14 [D] 1545</p> <p>0805 63 [D]</p> <p>0520 63 [D]</p>
32 DSN COVERAGE	<p>0940 43 [D] 1250</p> <p>1840 1920 43 [D]</p>
S/C 32 INITIAL CONDITIONS RTLT: 33h 19m 48s CCSL: B182 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	<p>1200 RTLT 33h 19m 54s</p> <p>0000 RTLT 33h 20m 0s</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
VGR COVERAGE	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: 02/21/19 12:37



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	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 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 10 0800 63 [D] 60 60 40 40 0510 - 0800 ----- 63 [D] ----- 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												

ISSUE DATE: 02/21/19 12:37

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	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 GS-4B 0826																									
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1450 ----- 24 [DAR] ----- 1900 1450 ----- 25 [DA] ----- 1900 ----- 10 ----- 0800 63 [D] ----- 40 ----- ----- 60 ----- ----- 40 ----- 1830 ----- 43 [D] ----- 2355 ----- 40 -----												
32 DSN COVERAGE																									
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 XB DATA RATE(MI)													CR-5T 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: 02/21/19 12:37

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	<div style="text-align: center;"> <p>█ 1200 RTLT 40h 12m 28s</p> <p>▼ 1325 DUMMY (05:37)</p> </div>																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	<div style="text-align: center;"> <p>1255 ----- 14 ----- 1540</p> <p>63 [D] ----- 0940</p> <p>..... 60</p> </div>																								
32 DSN COVERAGE	<div style="text-align: center;"> <p>0925 ----- 43 [D] ----- 1235</p> <p>..... 40</p> </div>																								
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	<div style="text-align: center;"> <p>█ 1200 RTLT 33h 20m 42s</p> </div>																								
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 31												JAN 01												