

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 6, 2018

For the Period: 11/08/18 to 11/26/18 (18/312 – 18/330)

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.	

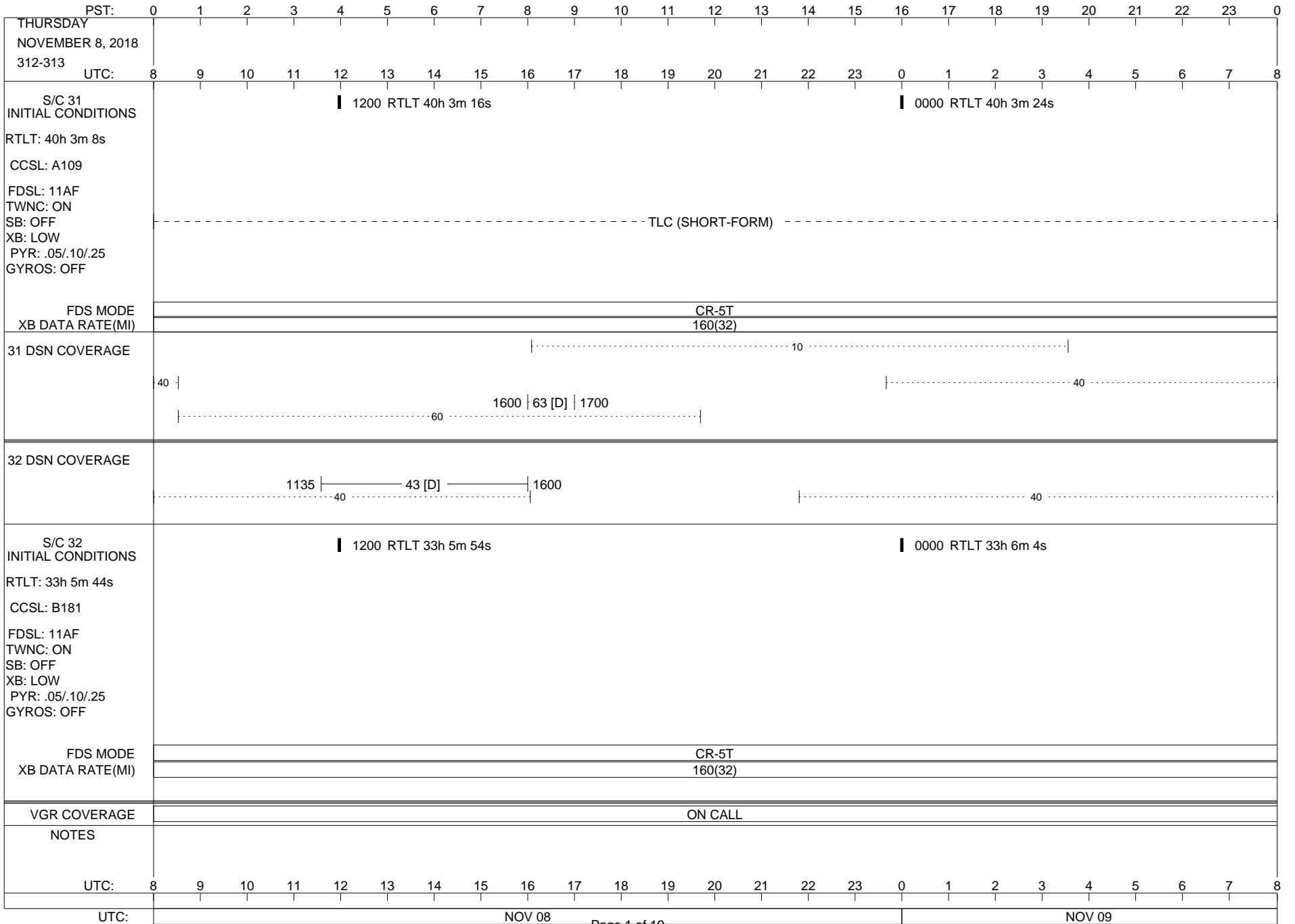
LEGEND:

- ▽ = 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

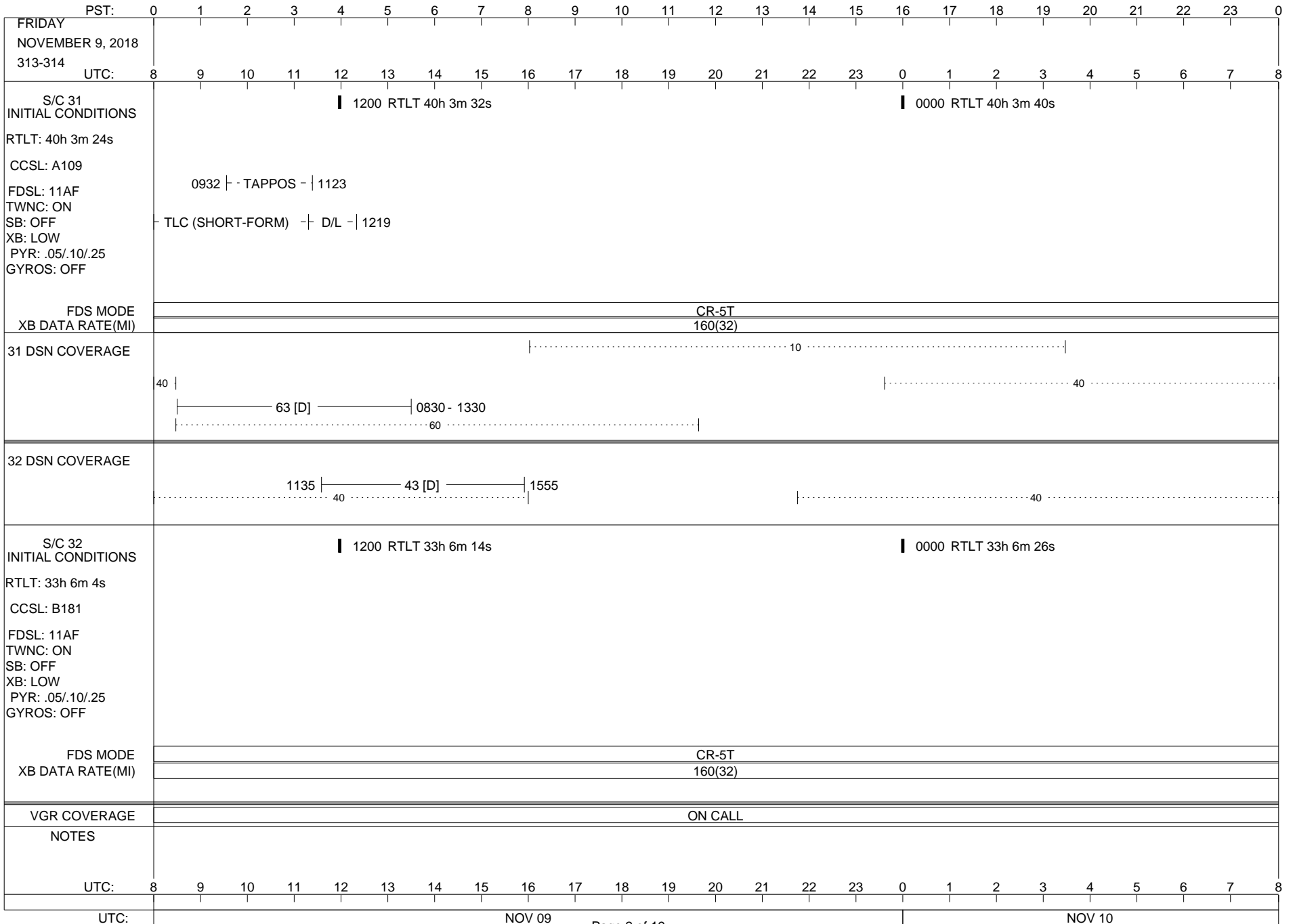
Posted at http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html

02/27/17

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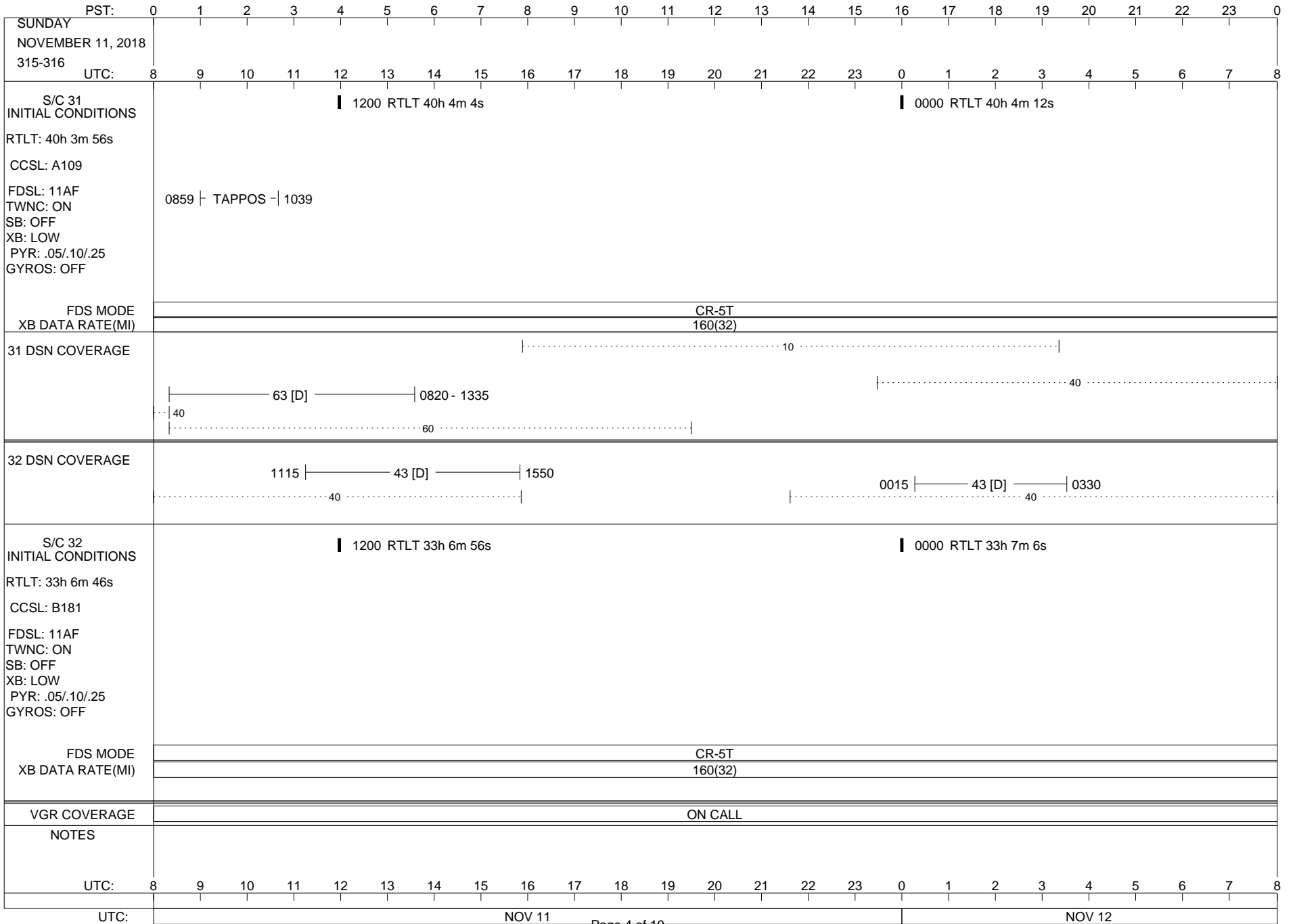


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SATURDAY NOVEMBER 10, 2018 314-315																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 40h 3m 40s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 3m 48s												0000 RTLTL 40h 3m 56s												
FDS MODE	CR-5T												PB-14			CR-5T									
XB DATA RATE(MI)	160(32)												1.4K(39)			160(32)									
31 DSN COVERAGE	<p>1710 ----- 14 [DA] ----- 0125</p> <p>1835 ----- 24 [DA] ----- 0010</p> <p>1835 ----- 25 [DAR] ----- 0010</p> <p>1835 ----- 26 [DA] ----- 0010</p> <p>..... 40</p> <p>.....60</p> <p>.....40</p>																								
32 DSN COVERAGE	<p>1135 ----- 43 [D] ----- 1550</p> <p>.....40</p> <p>.....40</p>																								
S/C 32 INITIAL CONDITIONS RTLTL: 33h 6m 26s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 6m 36s												0000 RTLTL 33h 6m 46s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL								VGR								ON CALL								
NOTES	<p>[1] S/C 31=PB-14 @ 1905 XB=1.4K(39)</p> <p>[2] S/C 31=CR-5T @ 0008 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:	NOV 10												NOV 11												

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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
MONDAY NOVEMBER 12, 2018 316-317	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 4m 12s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 4m 20s												0000 RTLT 40h 4m 28s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1540 ----- 14 [D] ----- 1955												10												
	40												40												
	60																								
32 DSN COVERAGE	1140 ----- 43 [D] ----- 1545												0045 36 [D] 0155												
	40												40												
S/C 32 INITIAL CONDITIONS RTLT: 33h 7m 6s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 7m 18s												0000 RTLT 33h 7m 28s												
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:	NOV 12												NOV 13												

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 NOVEMBER 13, 2018 317-318																										
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 4m 36s													0000 RTLT 40h 4m 44s												
RTLTL: 40h 4m 28s																										
CCSL: A109																										
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	<p>..... 10 </p> <p> 40 40 </p> <p> ----- 63 [D] ----- 0815 - 1145</p> <p>..... 60 </p>																									
32 DSN COVERAGE	<p> ----- 43 [D] ----- 0830 - 1140</p> <p>..... 40 40 </p>																									
S/C 32 INITIAL CONDITIONS	1200 RTLT 33h 7m 38s													0000 RTLT 33h 7m 48s												
RTLTL: 33h 7m 28s																										
CCSL: B181																										
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 @ 0132 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:	NOV 13													NOV 14												

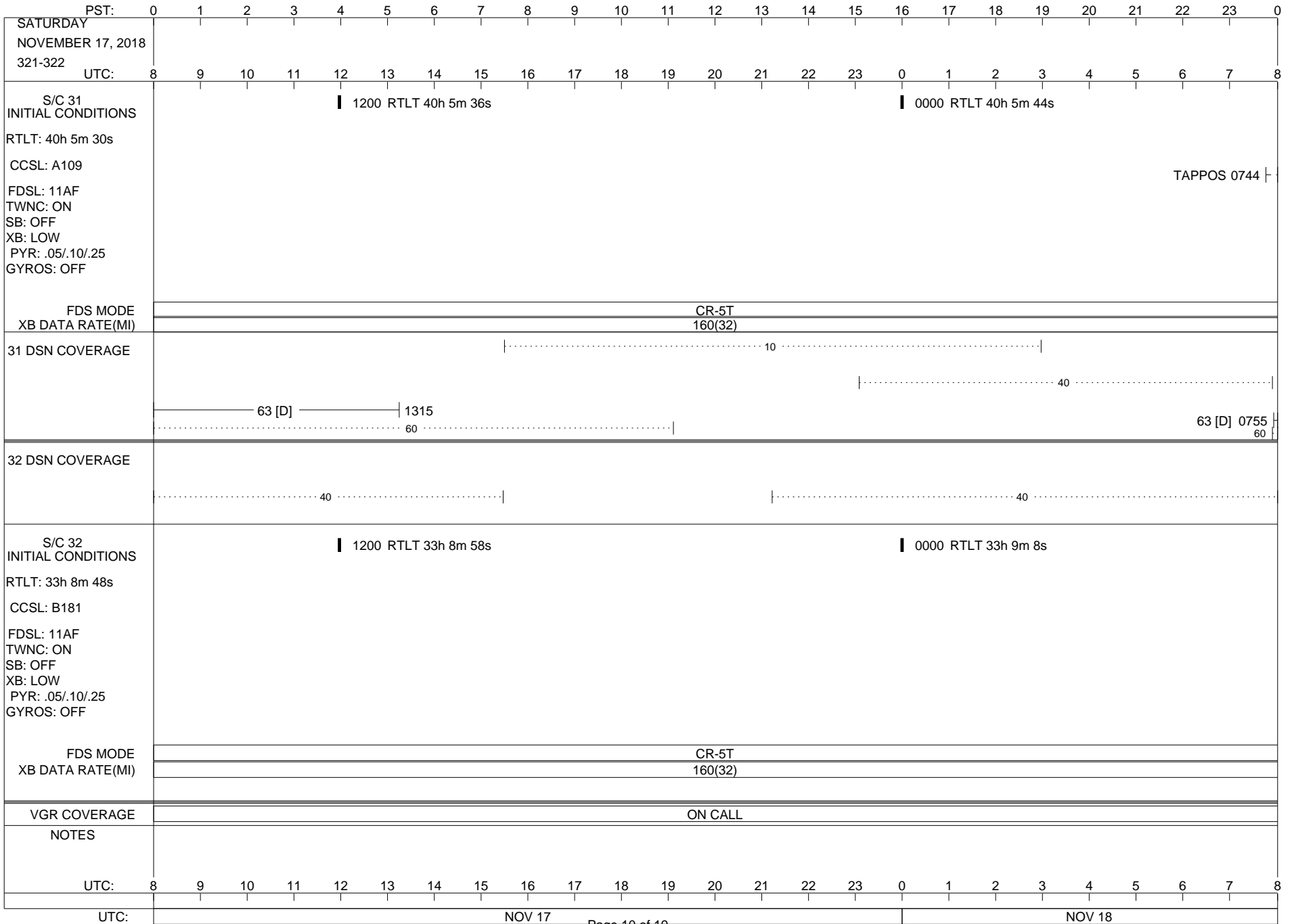
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WEDNESDAY NOVEMBER 14, 2018 318-319																														
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8					
S/C 31 INITIAL CONDITIONS RTLT: 40h 4m 44s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 4m 52s												0000 RTLT 40h 5m 0s																	
FDS MODE													CR-5T																	
XB DATA RATE(MI)													160(32)																	
31 DSN COVERAGE	1545 ----- 14 [T] ----- 1945												10																	
	40												----- 40																	
	----- 60																													
32 DSN COVERAGE	1130 ----- 43 [D] ----- 1535												0500 ----- 43 [H] -----																	
	40												40																	
S/C 32 INITIAL CONDITIONS RTLT: 33h 7m 48s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 7m 58s												0000 RTLT 33h 8m 8s																	
FDS MODE													CR-5T																	
XB DATA RATE(MI)													160(32)																	
VGR COVERAGE	ON CALL						VGR						ON CALL						VGR						ON CALL					
NOTES	PMPICAL U/L (14:33) 0525▼																													
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:	NOV 14												NOV 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			
FRIDAY																													
NOVEMBER 16, 2018																													
320-321																													
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 5m 22s														0000 RTLT 40h 5m 30s													
RTLT: 40h 5m 14s		- 0816 - 0848 SHUNT POWER TEST																											
CCSL: A109		TAPPOS 0919																											
FDSL: 11AF		0927 * 0931 A109B CHKSUM																											
TWNC: ON		1000 * 1007 CCSTIM FINE																											
SB: OFF		1018 * 1021 COARSE																											
XB: LOW		1030 * 1031 2 AHEL12 SID MRO'S																											
PYR: .05/.10/.25		TLC (SHORT-FORM) + D/L - 1218																											
GYROS: OFF		* 0856 EL-40																											
FDS MODE		CR-5T														EL-40													
XB DATA RATE(MI)		40(30)														CR-5T													
																160(32)													
31 DSN COVERAGE		1535 14 [D] 1725																											
		40 40																											
		63 [D] 60																											
		0805 - 1205																											
		63 [D] 0755																											
		60																											
32 DSN COVERAGE		1130 43 [D] 1530																											
		40 40																											
		2120 43 [D] 0200																											
		40																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 33h 8m 38s														0000 RTLT 33h 8m 48s													
RTLT: 33h 8m 28s																													
CCSL: B181																													
FDSL: 11AF		* 1434 PMPCAL IN CMD BUFFER																											
TWNC: ON		* 2152 PLSCAL - 2334																											
SB: OFF		* 2152 --- MAGCAL --- 0054																											
XB: LOW		* 2152 --- PESCAL --- 0112																											
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE		CR-5T																											
XB DATA RATE(MI)		160(32)																											
VGR COVERAGE		VGR							ON CALL							VGR							ON CALL						
NOTES		[1] S/C 31=GS-4B @ 0746 XB=2.8K(41) NOT RECOVERABLE																											
		[2] S/C 31=EL-40 @ 0856 XB=40(30)																											
		[3] S/C 31=CR-5T XB=160(32) @ 1033																											
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:		NOV 16														NOV 17													

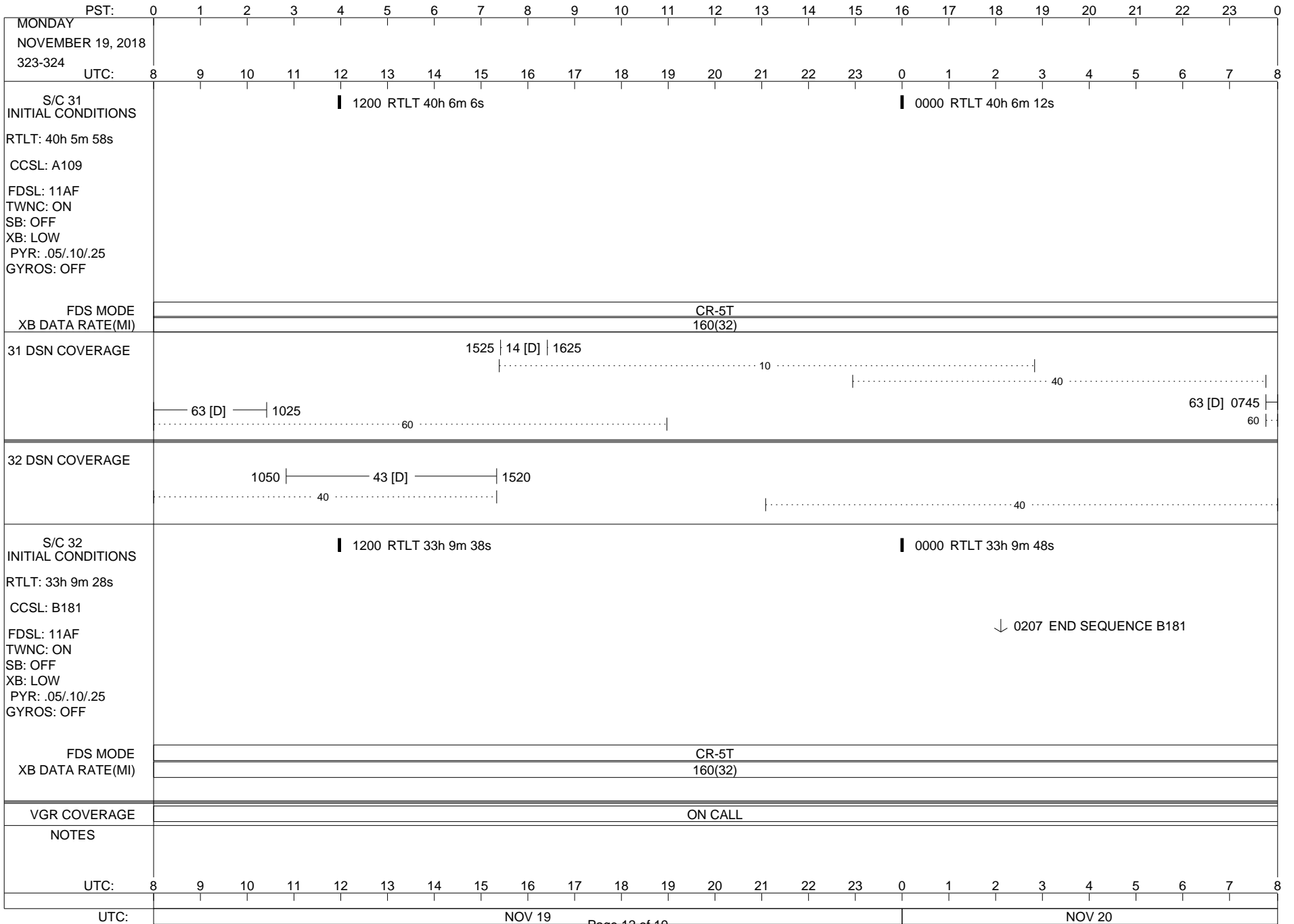
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SUNDAY NOVEMBER 18, 2018 322-323																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS	█ 1200 RTLT 40h 5m 50s												█ 0000 RTLT 40h 5m 58s													
RTLT: 40h 5m 44s																										
CCSL: A109	----- 0905 TAPPOS																									
FDSL: 11AF	1045 1047 PWS/RH																									
TWNC: ON	1057 ----- 1205 TAPPOS																									
SB: OFF																										
XB: LOW																										
PYR: .05/.10/.25																										
GYROS: OFF																										
	↓ 1045 GS-4B 1047																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1525 ----- 1750</p> <p>63 [D] ----- 1130</p> <p>60</p> </div> <div style="width: 45%;"> <p>10</p> <p>40</p> <p>63 [D] 0750</p> <p>60</p> </div> </div>																									
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1125 ----- 1520</p> <p>40</p> </div> <div style="width: 45%;"> <p>40</p> </div> </div>																									
S/C 32 INITIAL CONDITIONS	█ 1200 RTLT 33h 9m 18s												█ 0000 RTLT 33h 9m 28s													
RTLT: 33h 9m 8s																										
CCSL: B181																										
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	[1] S/C 31=GS-4B @ 1045 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:	NOV 18												NOV 19													

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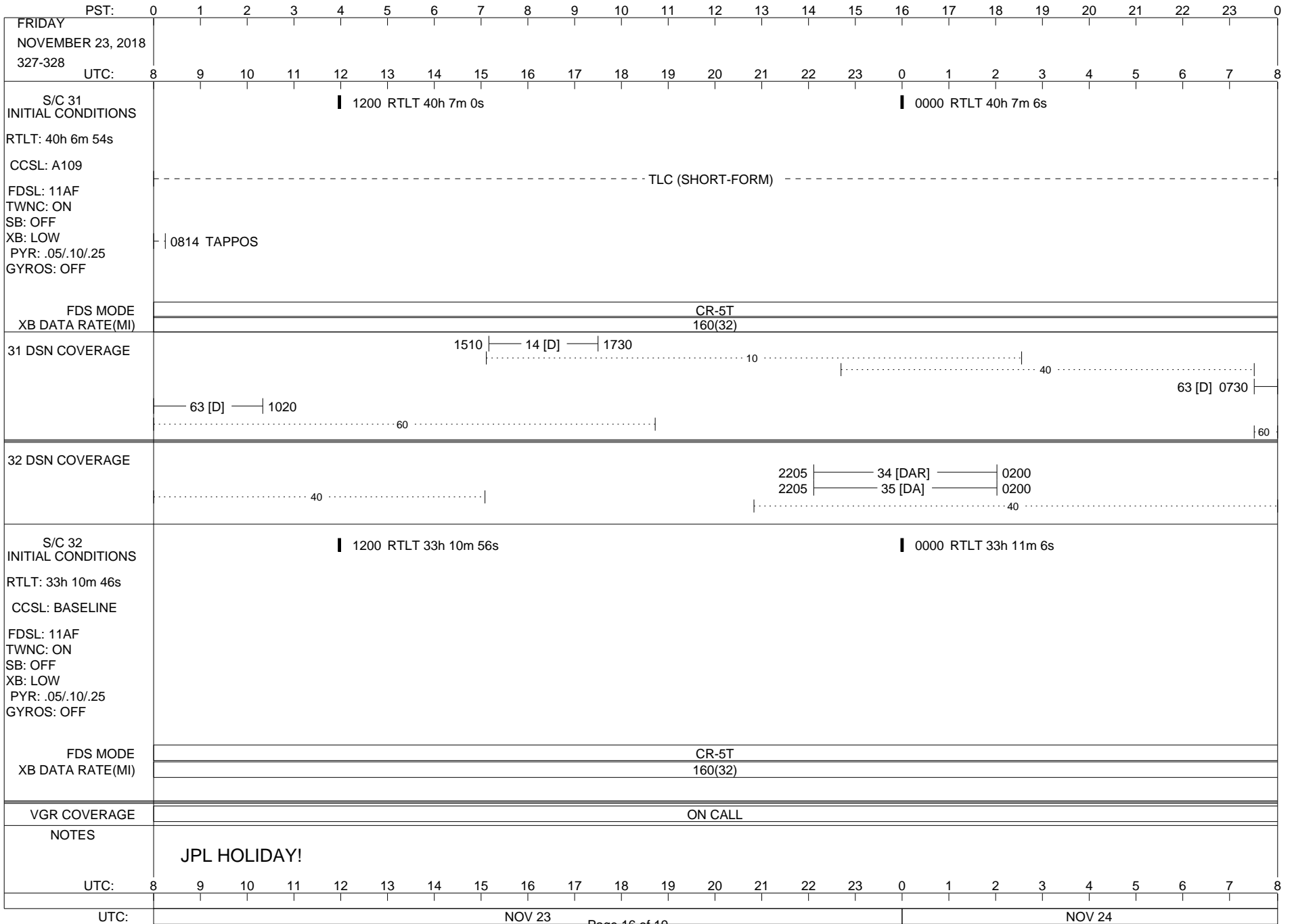
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WEDNESDAY NOVEMBER 21, 2018 325-326																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 40h 6m 26s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 40h 6m 34s												█ 0000 RTLTL 40h 6m 40s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1515 ----- 14 [D] ----- 1800												----- 10 -----												
	----- 63 [D] ----- 1105												----- 40 -----												
	----- 60 -----												60 -----												
32 DSN COVERAGE	1210 ----- 43 [B] ----- 1510												----- 40 -----												
	----- 40 -----																								
S/C 32 INITIAL CONDITIONS RTLTL: 33h 10m 8s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 33h 10m 18s												█ 0000 RTLTL 33h 10m 28s												
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:	NOV 21												NOV 22												

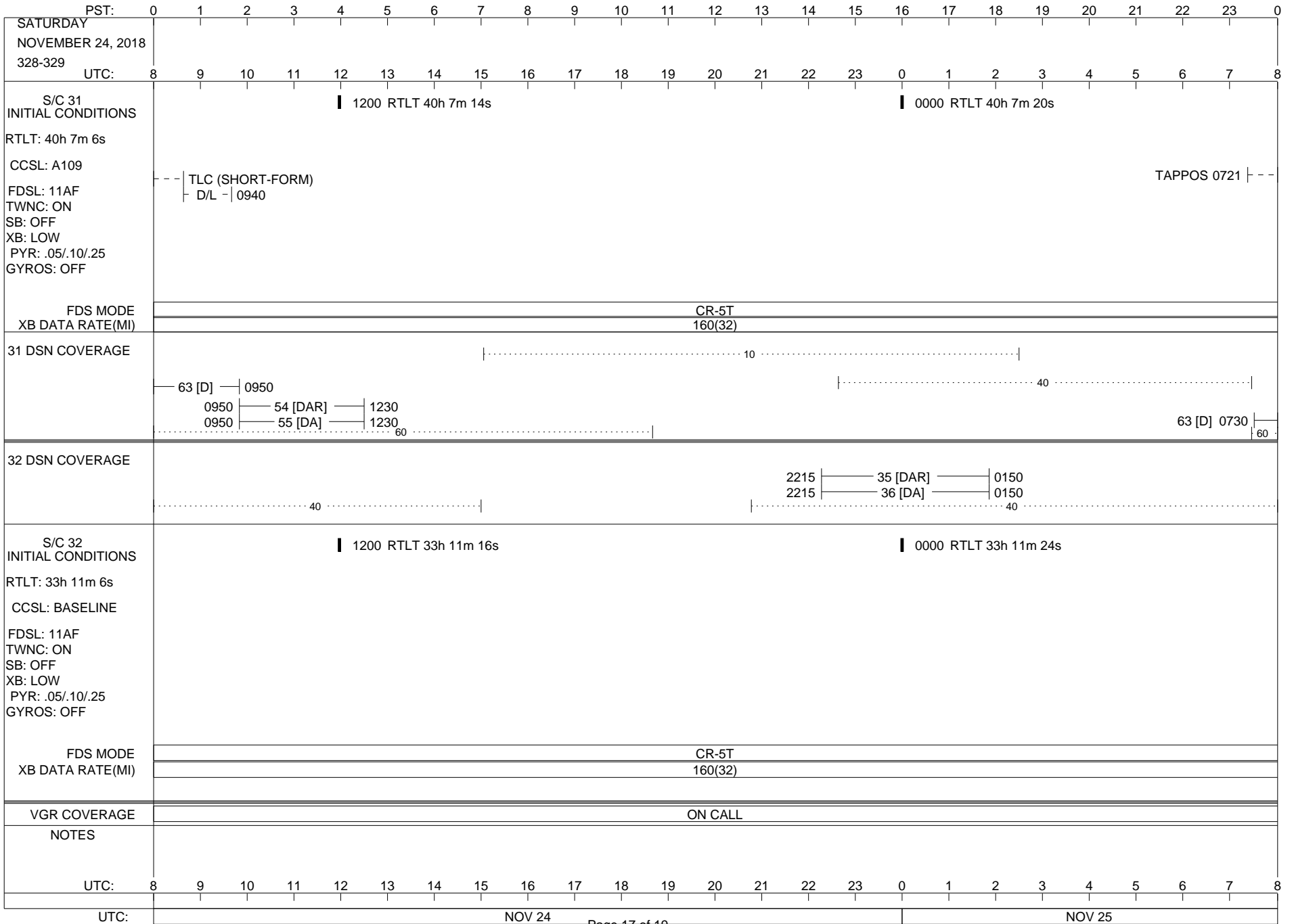
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THURSDAY NOVEMBER 22, 2018 326-327																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 40h 6m 40s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 40h 6m 46s												█ 0000 RTLT 40h 6m 54s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	1515 ----- 14 [T] ----- 1900												10 ----- 40 ----- 63 [D] 0735 ----- 60												
32 DSN COVERAGE	40 ----- 2055 ----- 43 [D] ----- 0055												40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 33h 10m 28s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 33h 10m 36s												█ 0000 RTLT 33h 10m 46s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0723 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:	NOV 22												NOV 23												

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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 NOVEMBER 25, 2018 329-330	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 7m 20s CCSL: A109 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 7m 26s												0000 RTLT 40h 7m 32s													
0801 TAPPOS 1023 1024 PWS/RH 1034 - 1100 TAPPOS ↓ 1023 GS-4B 1024																										
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	1500 14 [D] 1715												10 40 63 [D] 0725 60													
32 DSN COVERAGE	40												2215 35 [DAR] 0220 2215 36 [DA] 0220 40 40													
S/C 32 INITIAL CONDITIONS RTLT: 33h 11m 24s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 11m 34s												0000 RTLT 33h 11m 44s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1023 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:	NOV 25													NOV 26												

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