

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 7, 2012

For the Period: 11/08/12 to 11/26/12 (12-313 – 12-331)

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SCIENCE

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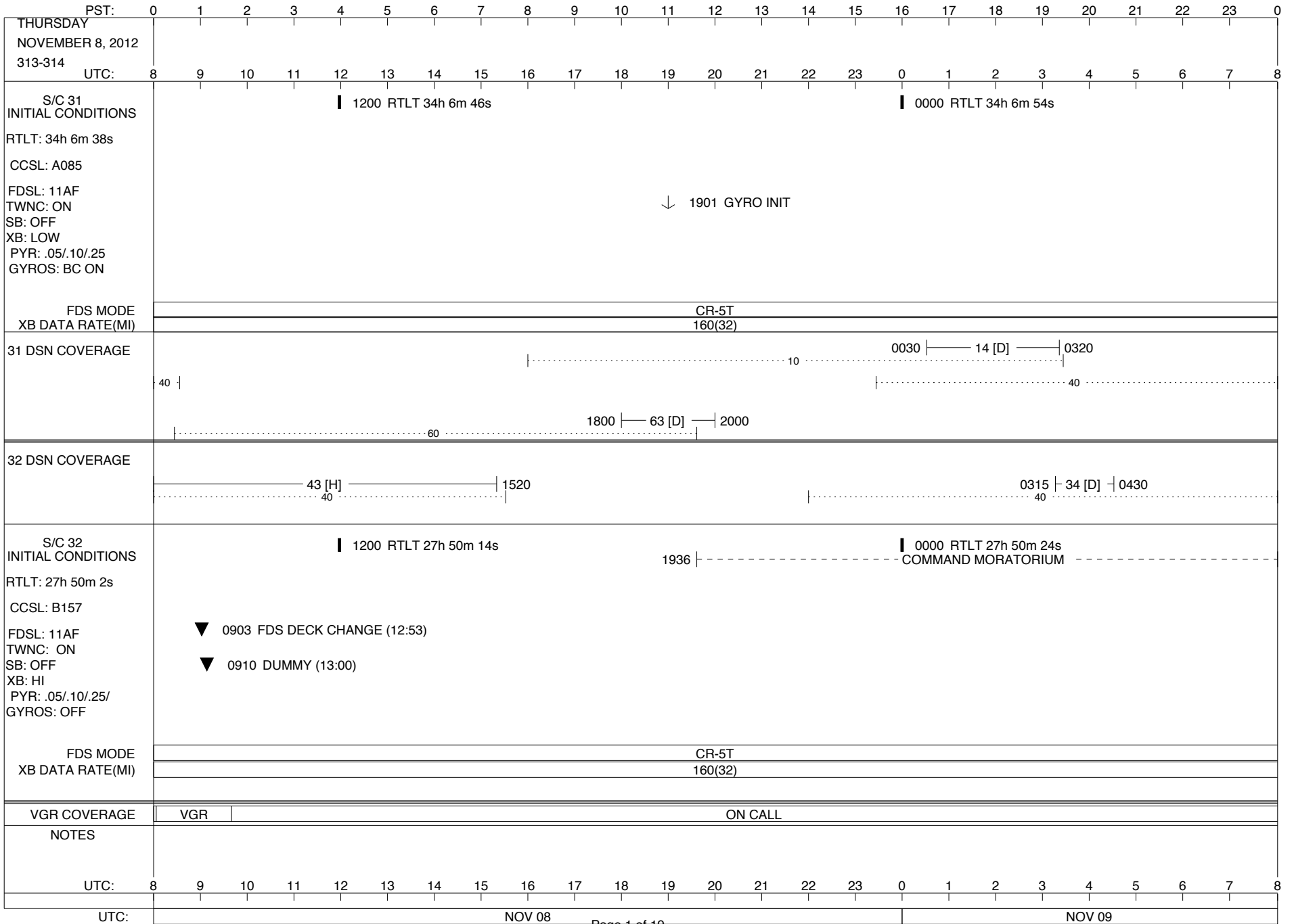
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LEGEND: ∇ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = 7-Point BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U = Uplink only pass
 [o] = Ramp-through

*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10

ISSUE DATE: 11/08/12 03:49



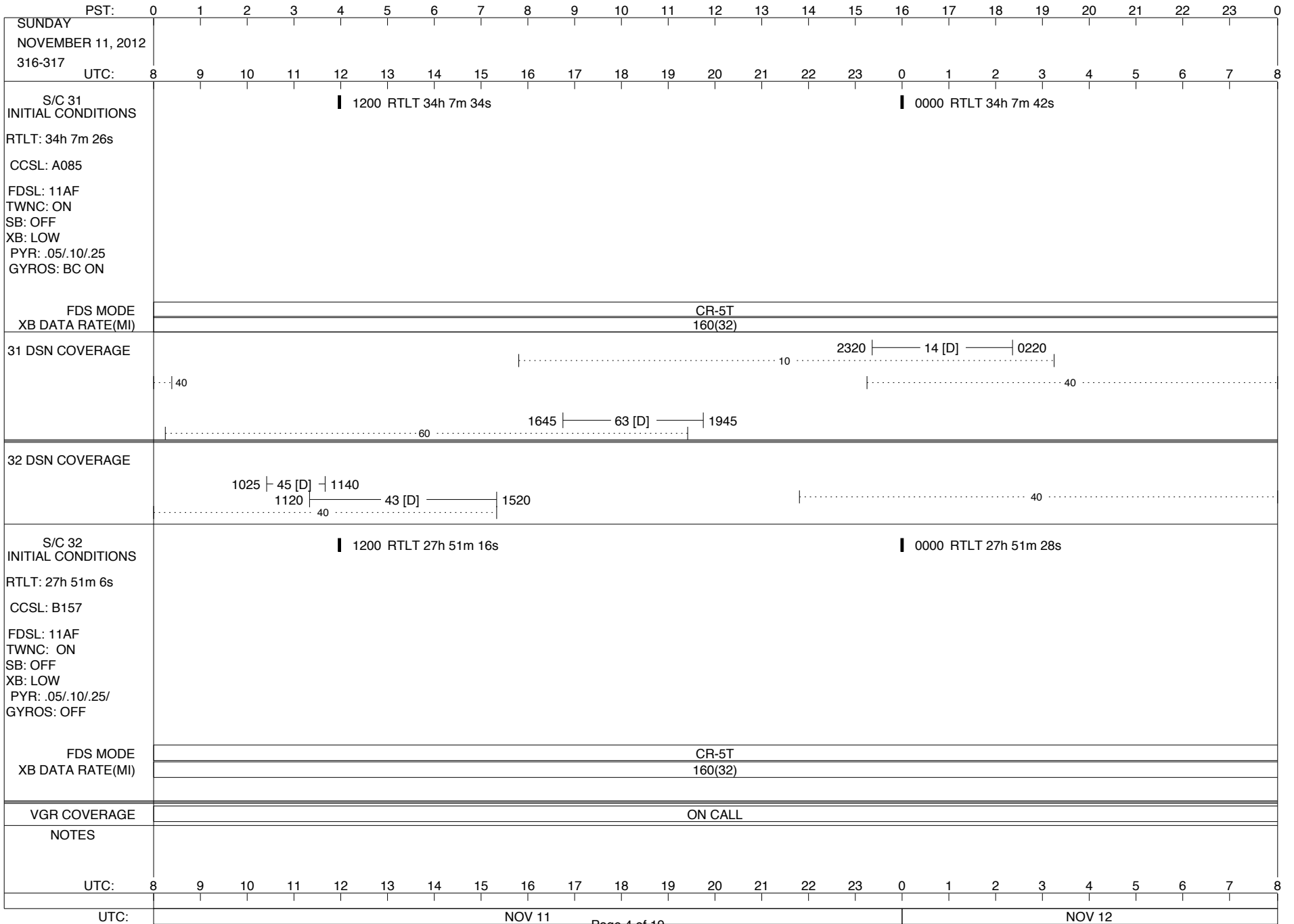
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FRIDAY NOVEMBER 9, 2012 314-315	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 34h 6m 54s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLTL 34h 7m 2s												0000 RTLTL 34h 7m 10s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	40 |-----| 60												0000 |-----| 14 [D] |-----| 0320 |-----| 40												
	1655 |-----| 63 [D] |-----| 1955																								
32 DSN COVERAGE	1100 |-----| 40 |-----| 43 [D] |-----| 1525												43 [DA] 0720 45 [DAR] 0720												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 50m 24s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 27h 50m 34s												0000 RTLTL 27h 50m 46s												
FDS MODE	COMMAND MORATORIUM																								
XB DATA RATE(MI)	* ↓ 1254 FDS DECK CHANGE												AACS MRO 0753												
													0738 EH-12 0841 ↓												
VGR COVERAGE	ON CALL												VGR												
NOTES	[1] S/C 32=EH-12 @ 0738 XB=1.2K (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:	NOV 09												NOV 10												

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SATURDAY NOVEMBER 10, 2012 315-316	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: 34h 7m 10s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 34h 7m 18s												0000 RTLT 34h 7m 26s												
↓ 0809 GS-4B 0810	0809 - 0810 PWS/RH 1017 |-----| 1125 TAPPOS												2333 | 2334 AACS MRO ↓ 2335 AAI 2345 |---| LECP OBS ---| 0221 ↓ 0233 RAI 0248 | 0249 AACS MRO ↓ 0250 GYRO FAULT TEST												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	40 |-----| 1640 |-----| 63 [D] |-----| 1940												2315 |-----| 14 [D] |-----| 0315 40 |-----| 40												
32 DSN COVERAGE	43 [DA] |-----| 1510 0845 45 [DAR] |-----| 40												40 |-----| 40												
S/C 32 INITIAL CONDITIONS RTLT: 27h 50m 46s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 27h 50m 56s COMMAND MORATORIUM -----| 1910												0000 RTLT 27h 51m 6s												
↓ 0813 AACS MRO ↓ 0813 - 0829 CCS MRO ↓ 0829 - 0842 CCS MRO ↓ 0857 X/B LOW POWER ↓ 0901 BAY 1 HTR ON																									
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	VGR	ON CALL														VGR	ON CALL								
NOTES	[1] S/C 31=GS-4B @ 0809 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32=CR-5T XB=160(32) @ 0841																								
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, 2012 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 RTLT: 34h 7m 42s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 34h 7m 48s												0000 RTLT 34h 7m 56s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1545 |----- 14 [D] -----| 2045 |----- 40 -----| |----- 60 -----|												|----- 40 -----|												
32 DSN COVERAGE	0935 |----- 34 [D] -----| 1335 |----- 40 -----|												|----- 40 -----|												
S/C 32 INITIAL CONDITIONS RTLT: 27h 51m 28s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 27h 51m 38s												0000 RTLT 27h 51m 48s												
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:	NOV 12												NOV 13												

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WEDNESDAY NOVEMBER 14, 2012 319-320																									
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: 34h 8m 12s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLTL 34h 8m 20s												█ 0000 RTLTL 34h 8m 26s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	1600 |----- 63 -----| 1935												|----- 10 -----|												
	|----- 40 -----|												|----- 40 -----|												
	|----- 60 -----|												60												
32 DSN COVERAGE	0855 |----- 34 [D] -----| 1330												|----- 40 -----|												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 52m 8s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 27h 52m 18s												█ 0000 RTLTL 27h 52m 28s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													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 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	
THURSDAY NOVEMBER 15, 2012 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 RTLT: 34h 8m 26s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON					█ 1200																█ 0000					
FDS MODE XB DATA RATE(MI)																										
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 27h 52m 28s CCSL: B157 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:																										

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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 NOVEMBER 17, 2012 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 RTLT: 34h 8m 56s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 34h 9m 4s TLC (SHORT-FORM) D/L - 1112 0814 AAI LECP OBS -- 0824 - 1100 0812 - 0813 AACS MRO 0954 -- 1034 TAPPOS 1112 RAI 1127 1128 AACS MRO 1129 GYRO FAULT TEST												0000 RTLT 34h 9m 10s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	|.....| 10												|.....| 40											
	63 [D] | 1155												63 [D] 0750												
	.....| 60												.....| 60											
32 DSN COVERAGE	0950 | 45 [D] | 1315												|.....| 40											
	.....| 40																							
S/C 32 INITIAL CONDITIONS RTLT: 27h 53m 10s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 27h 53m 20s												0000 RTLT 27h 53m 30s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	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 17												NOV 18												

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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 18, 2012 323-324	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: 34h 9m 10s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLTL 34h 9m 18s												0000 RTLTL 34h 9m 24s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	63 [D] 1150												63 [D] 0745 60												
32 DSN COVERAGE	0915 34 [D] 1315												0030 34 [D] 0430												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 53m 30s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 27h 53m 40s												0000 RTLTL 27h 53m 50s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	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 18												NOV 19												

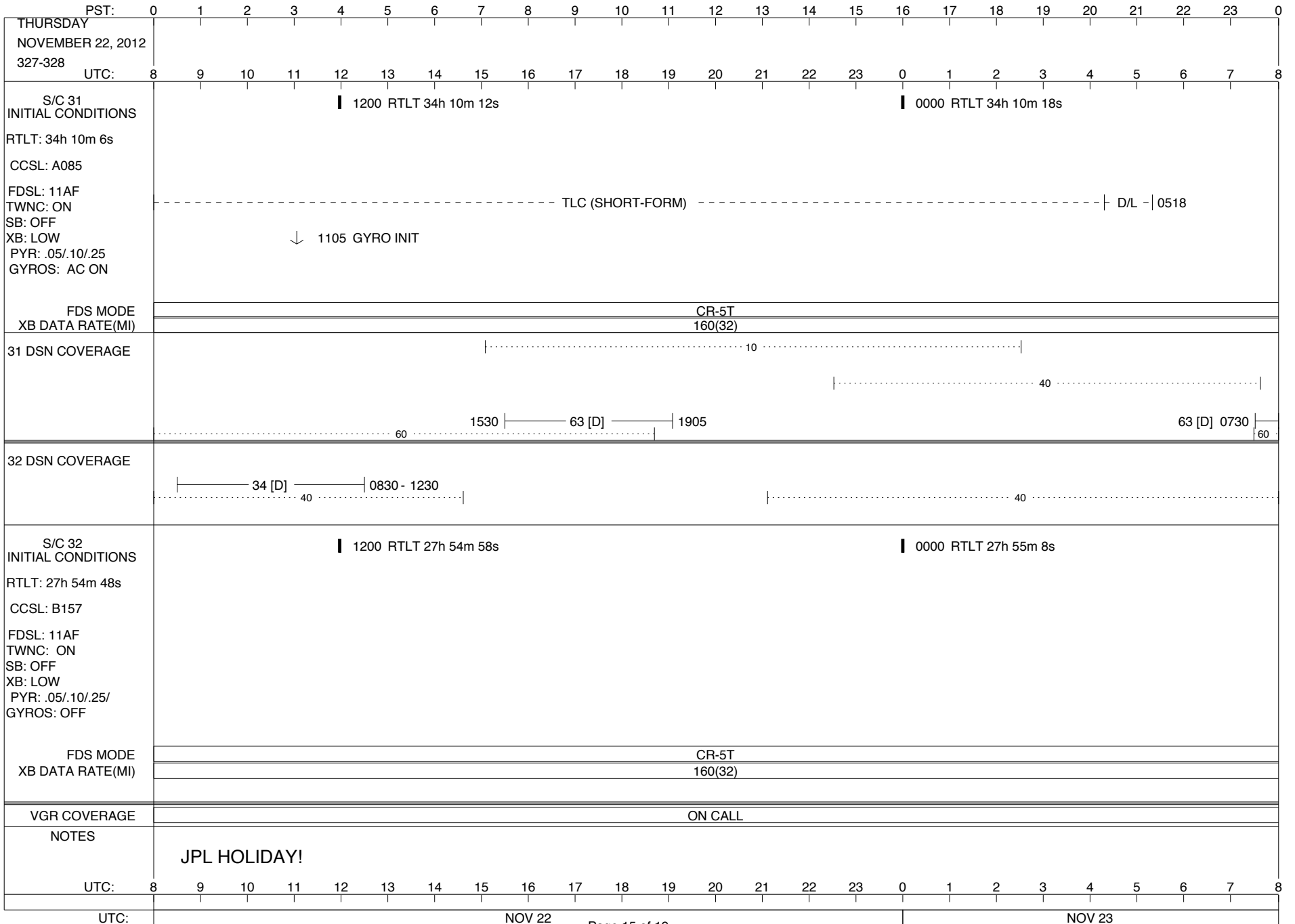
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MONDAY NOVEMBER 19, 2012 324-325	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 34h 9m 24s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 34h 9m 32s												0000 RTLT 34h 9m 38s												
0803 - 0804 AACS MRO 0805 AAI LECP OBS -- | 0815 - 1051 1103 RAI 1118 | 1119 AACS MRO 1120 GYRO FAULT TEST	AACS MRO 0747 - 0748 | AAI 0749 | LECP OBS 0759 |																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	63 [D] | 1145 60												10 40 63 [D] 0740 60												
32 DSN COVERAGE	40												0425 - 0740 | 34 [D] | 40												
S/C 32 INITIAL CONDITIONS RTLT: 27h 53m 50s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 27h 54m 0s												0000 RTLT 27h 54m 10s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	VGR												ON CALL												VGR
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 19												NOV 20												

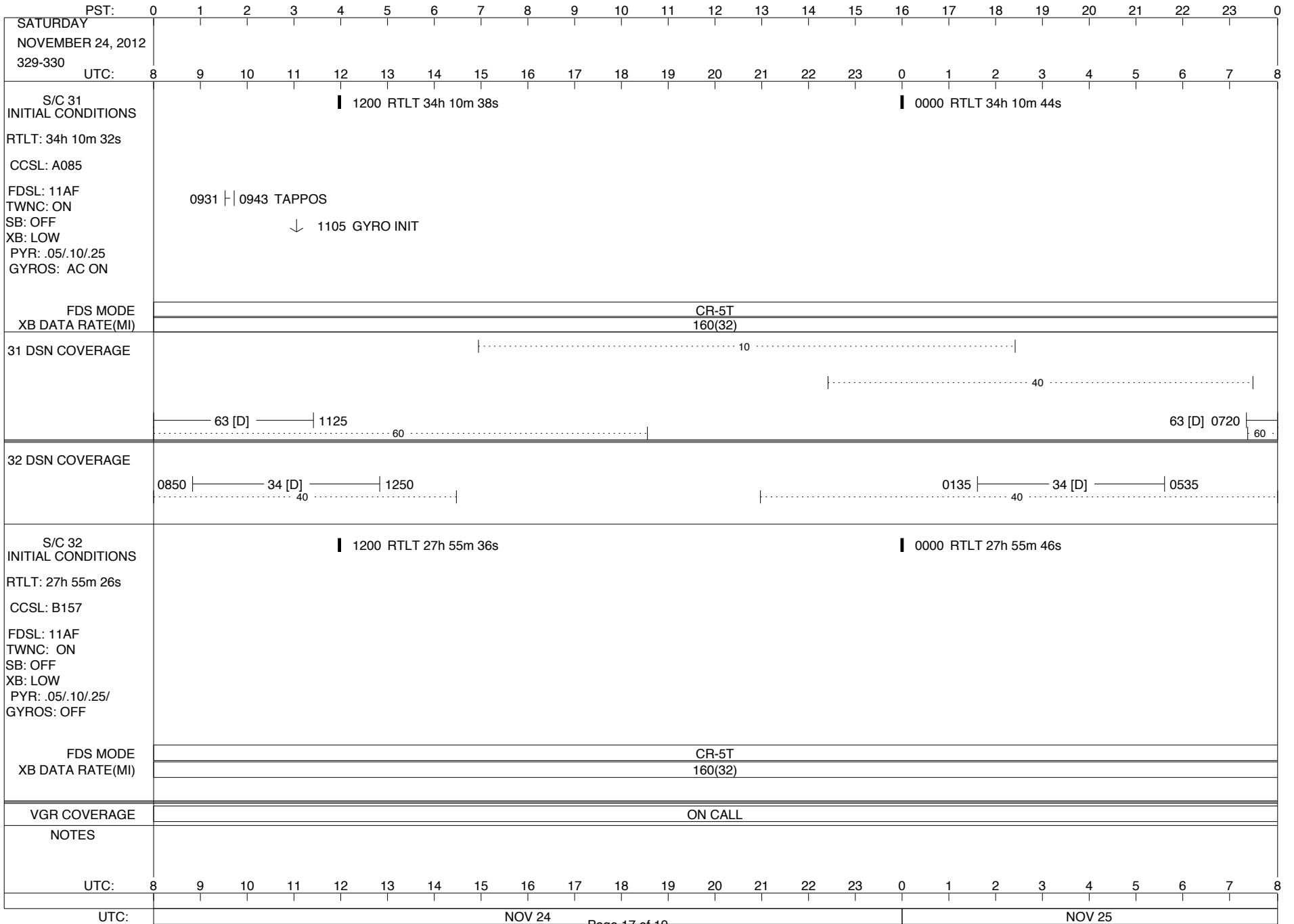
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TUESDAY NOVEMBER 20, 2012 325-326																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS	1200 RTLT 34h 9m 46s												0000 RTLT 34h 9m 52s													
RTLT: 34h 9m 38s																										
CCSL: A085																										
FDSL: 11AF	LECP OBS -- | 1035												0123 | 0124 PWS/RH													
TWNC: ON	↓ 1047 RAI																									
SB: OFF	↓ 1104 GYRO SWAP AC ON																									
XB: LOW	↓ 1114 GYRO FAULT TEST																									
PYR: .05/.10/.25																										
GYROS: BC ON													↓ 0123 GS-4B 0123													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	|.....10.....|												|.....40.....|													
	63 [D] | 1140												60 |.....													
32 DSN COVERAGE	|.....40.....|												|.....40.....|													
S/C 32 INITIAL CONDITIONS	1200 RTLT 27h 54m 20s												0000 RTLT 27h 54m 28s													
RTLT: 27h 54m 10s																										
CCSL: B157																										
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	VGR												ON CALL													
NOTES	[1] S/C 31=GS-4B @ 0123 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 20												NOV 21													

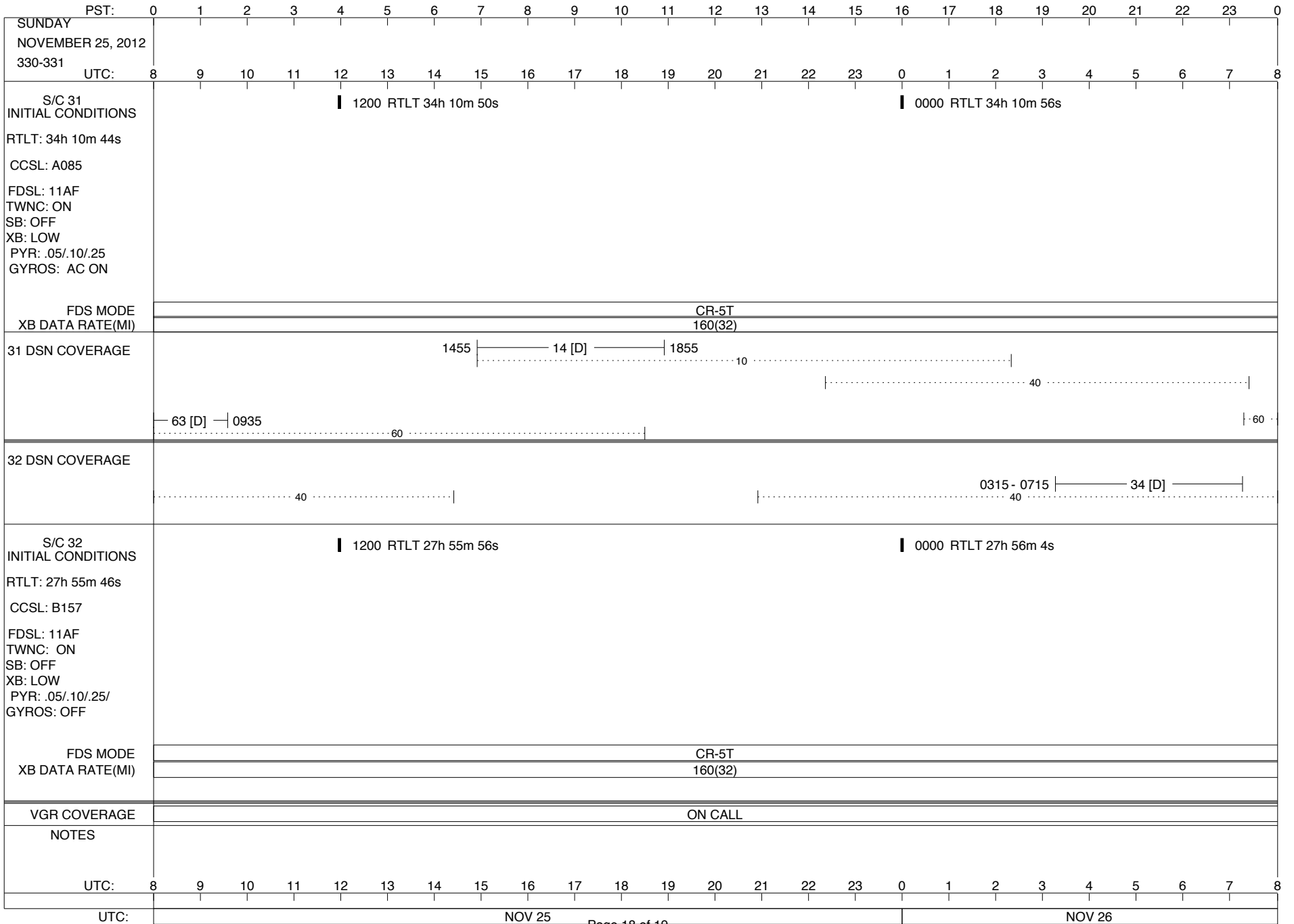
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PST: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0	
MONDAY NOVEMBER 26, 2012 331-332	
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
S/C 31 INITIAL CONDITIONS RTLTL: 34h 10m 56s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	<p>1200 RTLTL 34h 11m 4s</p> <p>↓ 1105 GYRO INIT</p> <p>↓ 1526 GYROS OFF</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	1450 |-----| 14 [D] |-----| 1910 60
32 DSN COVERAGE	..... 40
S/C 32 INITIAL CONDITIONS RTLTL: 27h 56m 4s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<p>1200 RTLTL 27h 56m 14s</p>
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 26 | Page 19 of 19 | NOV 27