

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 2, 2011

For the Period: 11/03/2011 to 11/21/2011 (11-307 – 11-325)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (14) 600-100

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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

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ISSUE DATE: 11/07/11 20:14

PDT:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1
THURSDAY NOVEMBER 3, 2011 307-308																									
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: 33h 5m 30s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: HI 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 RTLTL: 26h 55m 30s CCSL: B153 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
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ISSUE DATE: 11/07/11 20:14

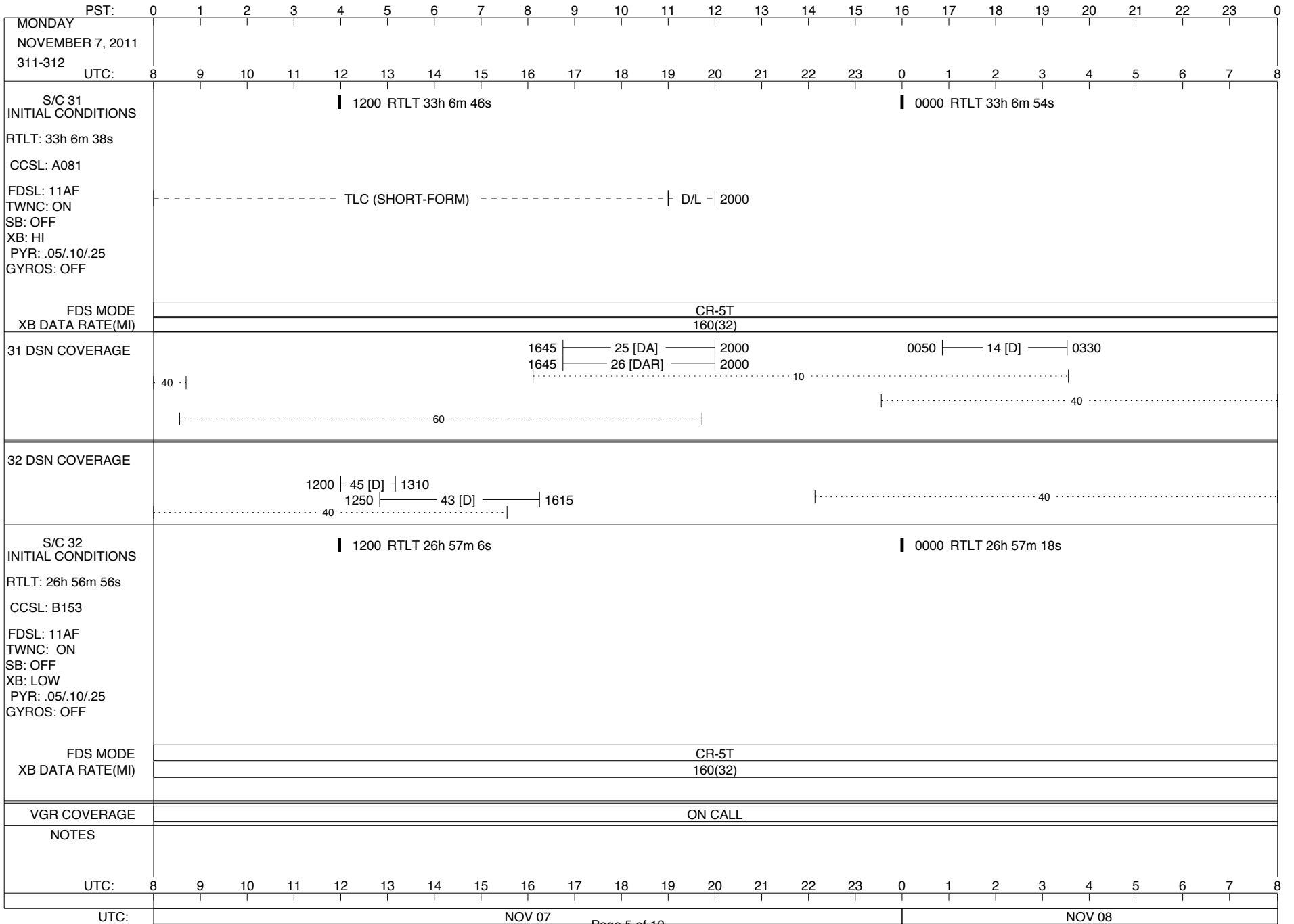
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FRIDAY NOVEMBER 4, 2011 308-309																												
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S/C 31 INITIAL CONDITIONS	1200 RTLT 33h 5m 56s														0000 RTLT 33h 6m 4s													
RTLT: 33h 5m 46s															1927 TEMP CRS CMD WORD UPD													
CCSL: A081															1959 ----- MAGROL ----- 0154													
FDSL: 11AF															0147 RAI													
TWNC: ON															0154 CRU													
SB: OFF															0154 GYROS OFF													
XB: HI															0206 RESTORE CRS CMD WORDS													
PYR: .05/.10/.25																												
GYROS: BC ON																												
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
31 DSN COVERAGE	1925 ----- 14 [D] ----- 0240														40 .. ----- 40 ..													
	----- 60 -----																											
32 DSN COVERAGE	1030 ----- 43 [H] ----- 1635														0125 ----- 43 [D] ----- 0435													
	40 .. ----- 40 ..																											
S/C 32 INITIAL CONDITIONS	1200 RTLT 26h 56m 2s														0000 RTLT 26h 56m 12s													
RTLT: 26h 55m 50s																												
CCSL: B153	▼ 1050 DUMMY (13:46)																											
FDSL: 11AF	▼ 1058 EL-40 (13:54)																											
TWNC: ON	▼ 1119 CCSL B154A (14:16)																											
SB: OFF	▼ 1151 NO-OP DOY 343 BL GYON & 350 MAGROL SID MRO'S CR-5T (14:47)																											
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	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	ON CALL	
NOTES	[1] S/C 31=D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (1959-0154)																											
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 04														NOV 05													

ISSUE DATE: 11/07/11 20:14

PDT:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1
SATURDAY NOVEMBER 5, 2011 309-310																									
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 33h 6m 12s												0000 RTLT 33h 6m 22s												
RTL: 33h 6m 4s																									
CCSL: A081	0827 - 0828 PWS/RH 1034 1049 TAPPOS																								
FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	↓ 0827 GS-4B 0828																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	<p>Timeline for S/C 31 DSN COVERAGE:</p> <ul style="list-style-type: none"> 2205 15 [DA] 0200 2205 26 [DAR] 0200 10 40 1720 63 [D] 2005 60 																								
32 DSN COVERAGE	<p>Timeline for S/C 32 DSN COVERAGE:</p> <ul style="list-style-type: none"> 1010 43 [D] 1630 40 40 																								
S/C 32 INITIAL CONDITIONS	1200 RTLT 26h 56m 12s												0000 RTLT 26h 56m 34s												
RTL: 26h 56m 12s																									
CCSL: B153	1422 * 1427 B154A CCS CHKSUM																								
FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	↓ 1449 NO-OP BL DOY 343 GYON & 350 MAGROL																								
	1451 * 1453 2 SID MRO'S																								
	EL-40 1355 * ↓ * ↓ 1455 CR-5T																								
FDS MODE	CR-5T						EL-40						CR-5T												
XB DATA RATE(MI)	160(32)						40(30)						160(32)												
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0827 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32=EL-40 XB=40(30) @ 1355 [3] S/C 32=CR-5T XB=160(32) @ 1455																								
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 05												NOV 06												

	PDT:	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 6, 2011 310-311	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	RTLTL	33h 6m 30s							█	0000	RTLTL	33h 6m 38s							
RTLTL: 33h 6m 22s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF		U/L 0925 - TLC (SHORT-FORM)																									
FDS MODE		CR-5T																									
XB DATA RATE(MI)		160(32)																									
31 DSN COVERAGE	 10 40 ·40 · 0855 — 63 [T] — 1030 60																									
32 DSN COVERAGE	 40 1040 —— 34 [o] —— 1425 40																									
S/C 32 INITIAL CONDITIONS							█	1200	RTLTL	26h 56m 46s							█	0000	RTLTL	26h 56m 56s							
RTLTL: 26h 56m 34s CCSL: B153 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																											
UTC:	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 06													NOV 07												

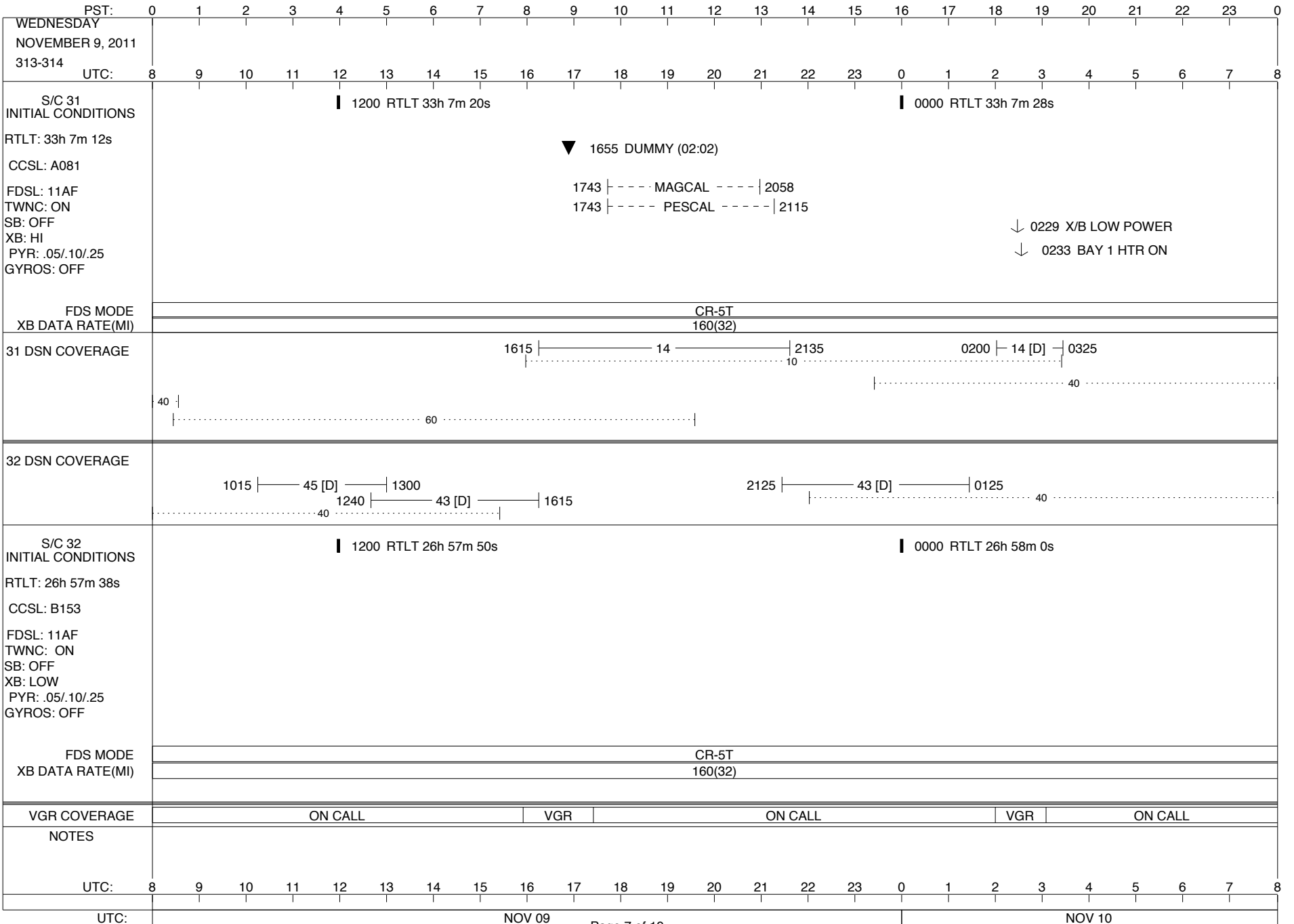
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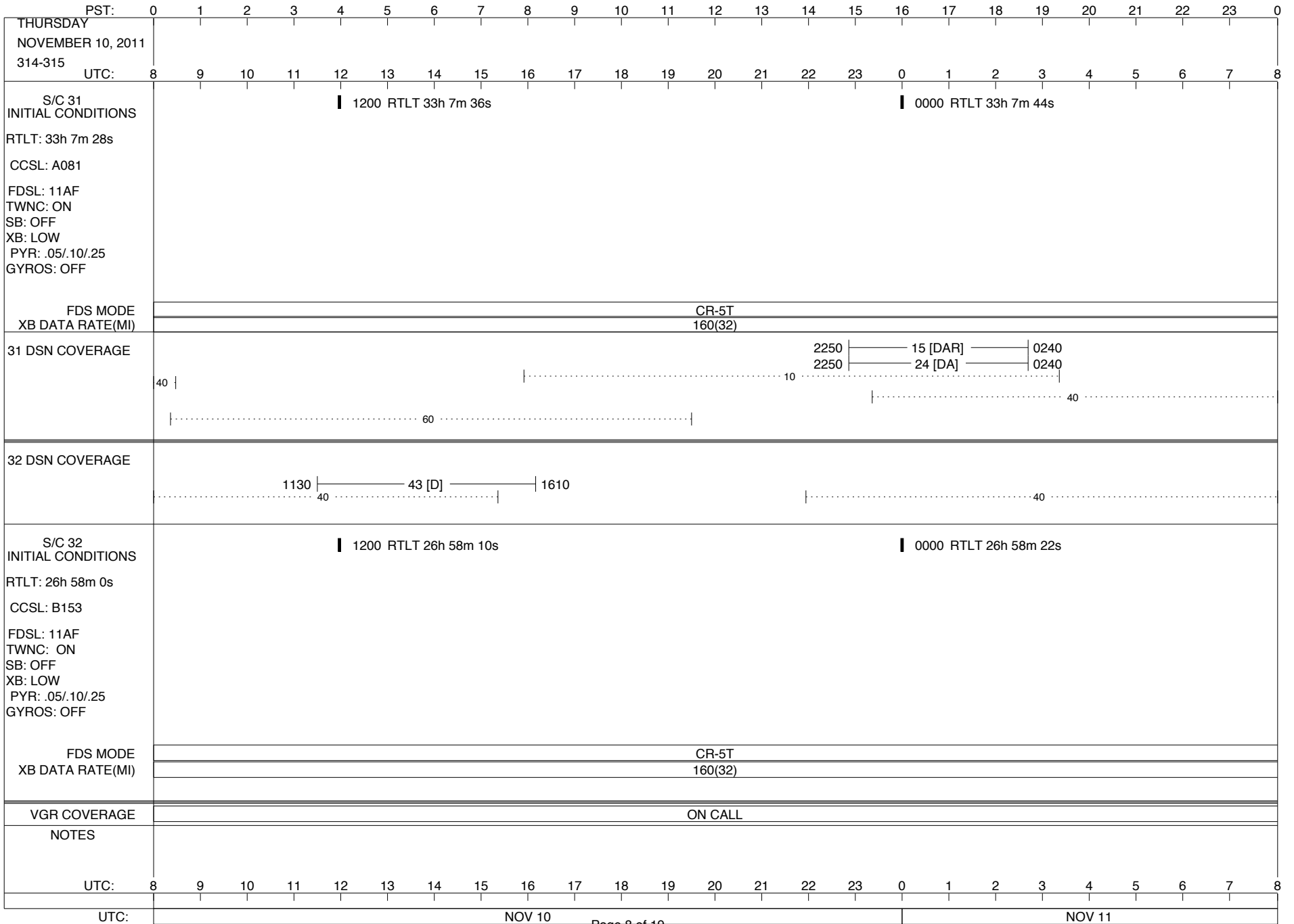
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TUESDAY NOVEMBER 8, 2011 312-313																													
UTC:		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLT: 33h 6m 54s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 33h 7m 4s												0000 RTLT 33h 7m 12s															
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: 26h 57m 18s CCSL: B153 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 26h 57m 28s												0000 RTLT 26h 57m 38s															
FDS MODE		CR-5T												CR-5T															
XB DATA RATE(MI)		160(32)												160(32)															
VGR COVERAGE		ON CALL																											
NOTES		<p>[1] S/C 31=GS-4B @ 0203 XB=2.8K(41) NOT RECOVERABLE</p> <p>[2] B154A BACKUP UPLINK SUPPORT</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			
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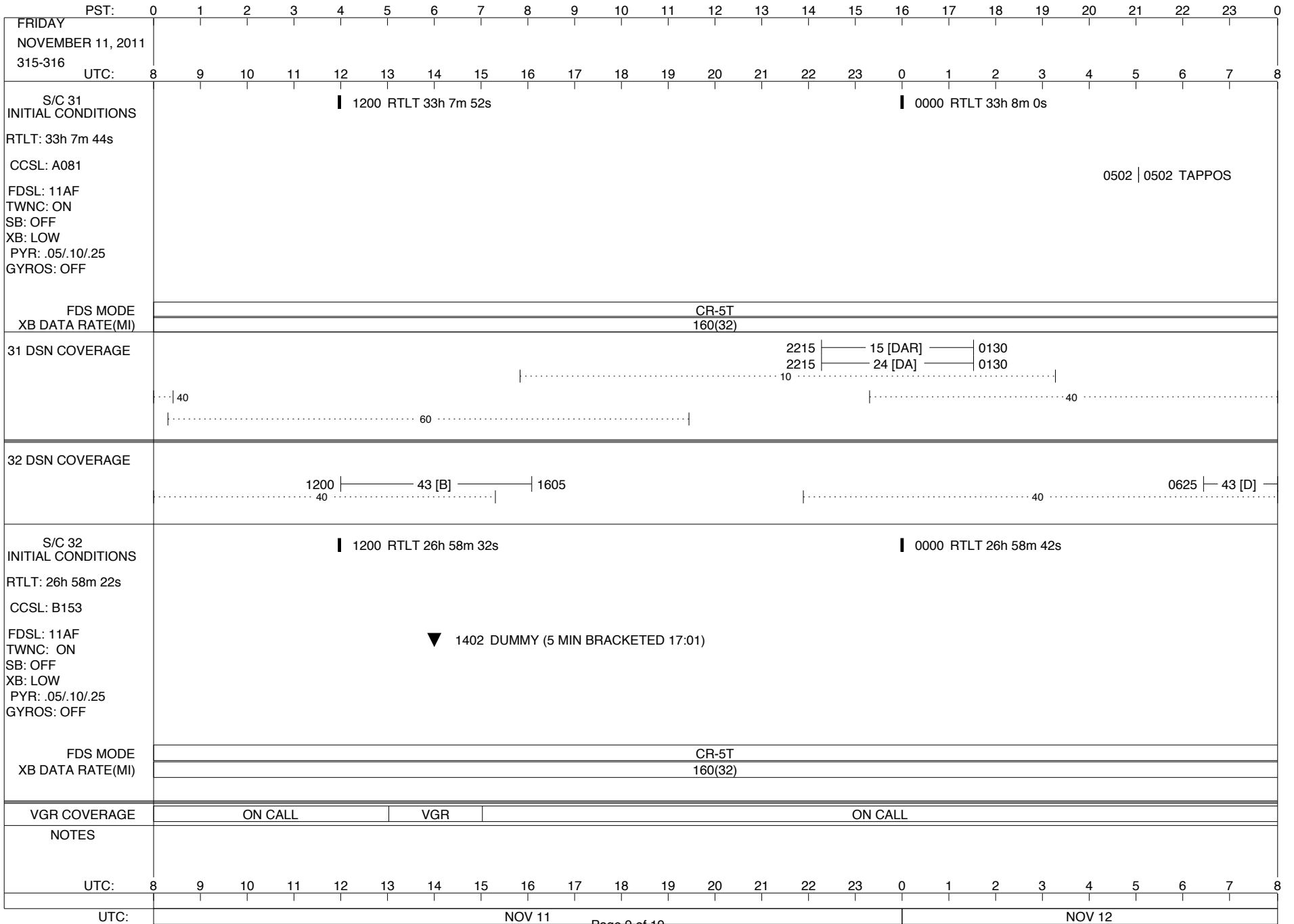
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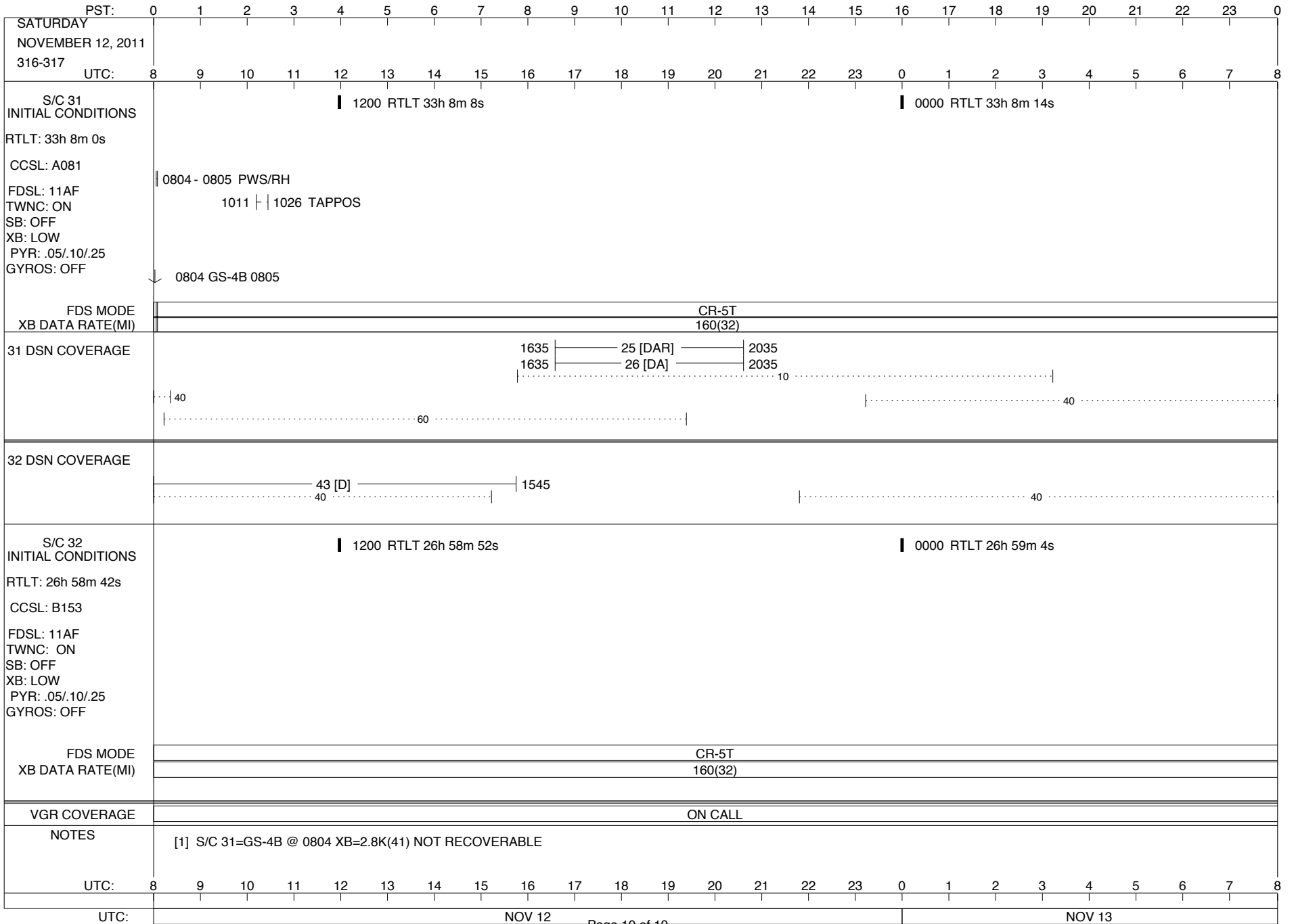
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PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
SUNDAY NOVEMBER 13, 2011 317-318																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS	█ 1200 RTLT 33h 8m 22s												█ 0000 RTLT 33h 8m 30s												
RTLT: 33h 8m 14s																									
CCSL: A081																									
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	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1625 ----- 15 [DAR] ----- 2025</p> <p>1625 ----- 25 [DA] ----- 2025</p> </div> <div style="width: 10%; text-align: center;">10</div> <div style="width: 45%;"> <p>..... </p> <p>..... </p> </div> </div>																								
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1025 ----- 34 [D] ----- 1355</p> </div> <div style="width: 10%; text-align: center;">40</div> <div style="width: 45%;"> <p>..... </p> <p>..... </p> </div> </div>																								
S/C 32 INITIAL CONDITIONS	█ 1200 RTLT 26h 59m 14s												█ 0000 RTLT 26h 59m 24s												
RTLT: 26h 59m 4s																									
CCSL: B153																									
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																									
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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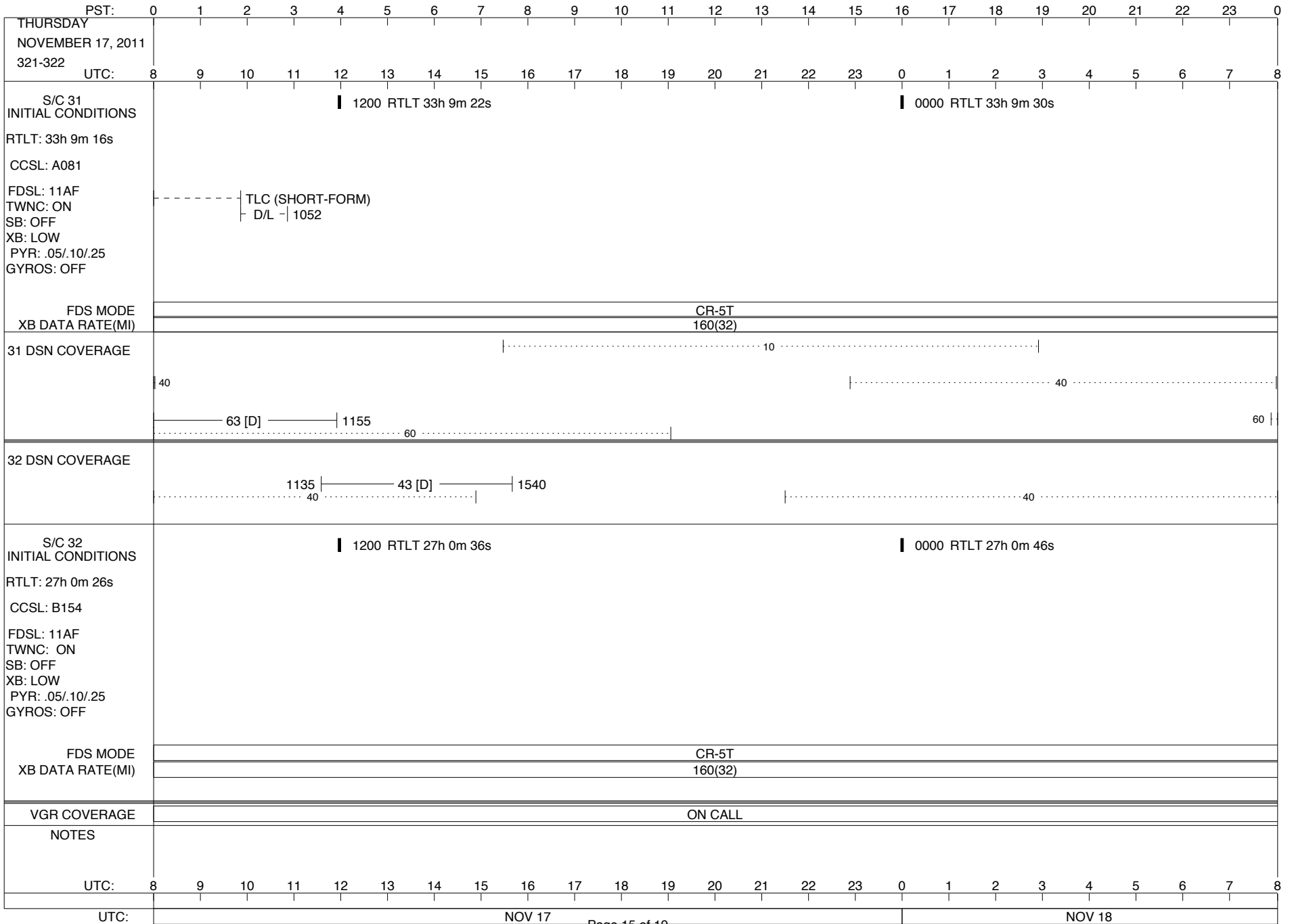
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MONDAY																													
NOVEMBER 14, 2011																													
318-319																													
UTC:		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS		1200 RTLT 33h 8m 38s														0000 RTLT 33h 8m 46s													
RTLT: 33h 8m 30s																													
CCSL: A081																													
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		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1635 25 [DA] 1835</p> <p>1635 26 [DAR] 1835</p> <p>..... 10</p> <p>..... 40</p> <p>40</p> <p>63 [D] 0810- 1010</p> <p>..... 60</p> </div> <div style="width: 45%; text-align: right;"> <p>..... 40</p> </div> </div>																											
32 DSN COVERAGE		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1015 34 [D] 1510</p> <p>1015 43 [D] 1545</p> <p>..... 40</p> </div> <div style="width: 45%; text-align: right;"> <p>..... 40</p> </div> </div>																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 26h 59m 34s														0000 RTLT 26h 59m 44s													
RTLT: 26h 59m 24s		<ul style="list-style-type: none"> ↓ 1045 BAY 1 HTR OFF ↓ 1049 X/B HI POWER 1145 1148 3 AACS MRO'S ↓ 1150 BR2 SUPP HTRS OFF ↓ 1153 SWITCH TO ROLL BRANCH 2 ↓ 1201 PYR=.05 ↓ 1302 Y=.10 ↓ 1303 R=.25 ↓ 1305 BR1 SUPP HTRS ON 1309 1313 3 AACS MRO'S 																											
CCSL: B154		EL-40 1115↓																											
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE		CR-5T														EL-40													
XB DATA RATE(MI)		160(32)														40(30)													
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													

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 15, 2011 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: 33h 8m 46s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 8m 54s																	0000 RTLT 33h 9m 0s										
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)											CR-5T 160(32)																
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> 4060 </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;">2310 -----14 [T]----- 0255 </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;">4060 </div>																											
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;">1205 -----43 [D]----- 1550 </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;">0235 -----43 [D]----- 0610 </div>																											
S/C 32 INITIAL CONDITIONS RTLTL: 26h 59m 44s CCSL: B154 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	1200 RTLT 26h 59m 54s																	0000 RTLT 27h 0m 6s										
FDS MODE XB DATA RATE(MI)	EL-40 40(30)											CR-5T 160(32)																
VGR COVERAGE	ON CALL				VGR				ON CALL				VGR				ON CALL											
NOTES	<p>[1] S/C 31=GS-4B @ 0140 XB=2.8K(41) NOT RECOVERABLE</p> <p>[2] S/C 32=EL-40 @ 1115 XB=40(30)</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 15														NOV 16													

ISSUE DATE: 11/07/11 20:14

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 NOVEMBER 16, 2011 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 RTLTL: 33h 9m 0s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 33h 9m 8s												0000 RTLTL 33h 9m 16s												
FDS MODE												CR-5T													
XB DATA RATE(MI)												160(32)													
31 DSN COVERAGE	40												0035 14 [D] 0255												
60												63 [D] 0755													
60												60													
32 DSN COVERAGE	1125 43 [D] 1315												40												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 0m 6s CCSL: B154 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 27h 0m 16s												0000 RTLTL 27h 0m 26s												
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
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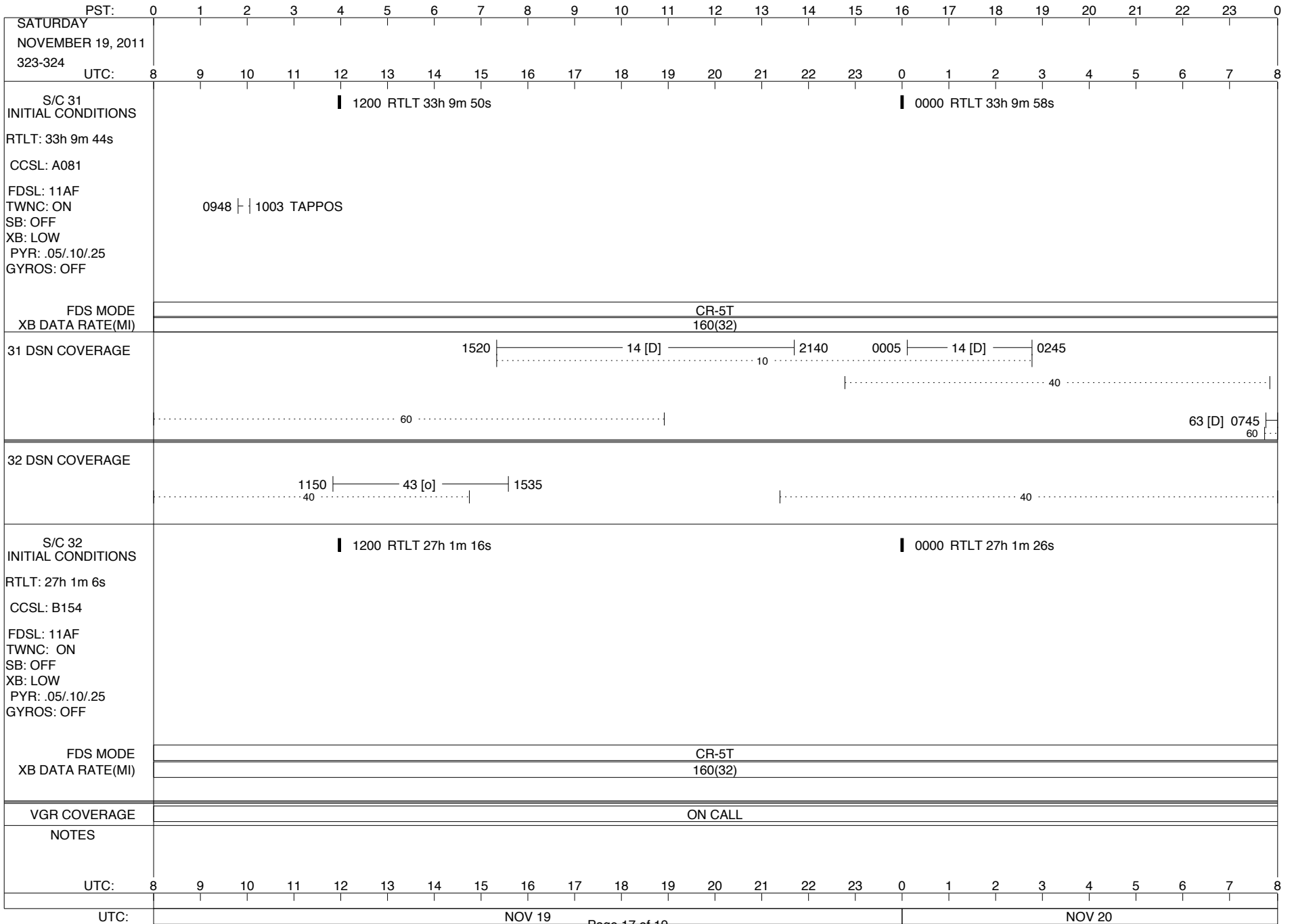
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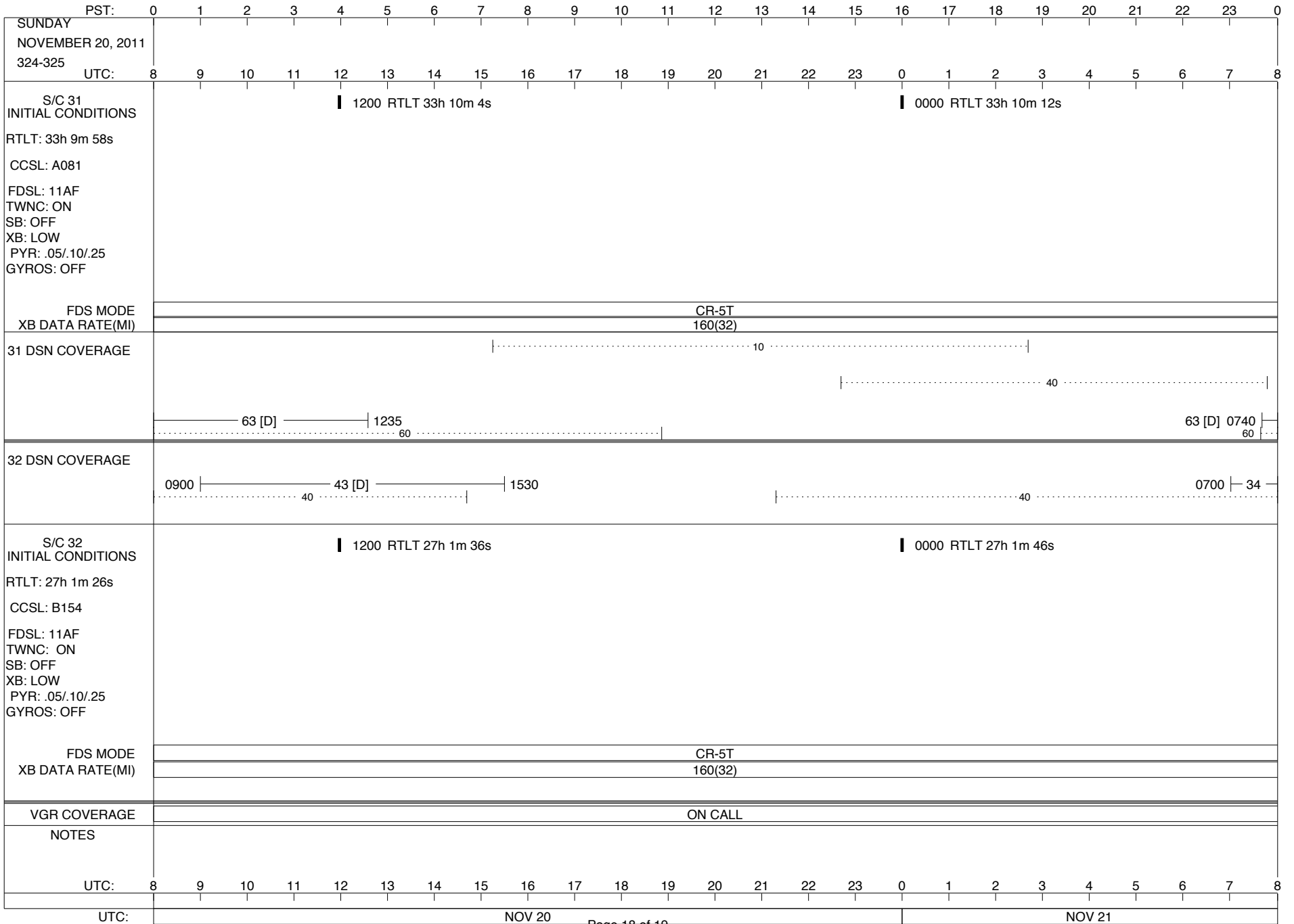
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UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8		
S/C 31 INITIAL CONDITIONS RTLT: 33h 9m 30s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 9m 36s 0000 RTLT 33h 9m 44s 0439 0439 TAPPOS PWS/RH 0741 - 0742 0741 GS-4B 0741 ↓	
FDS MODE	CR-5T	
XB DATA RATE(MI)	160(32)	
31 DSN COVERAGE 60 2245 14 [D] 0245 40	60
32 DSN COVERAGE	0845 45 [D] 1245 40 40
S/C 32 INITIAL CONDITIONS RTLT: 27h 0m 46s CCSL: B154 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 27h 0m 56s 0000 RTLT 27h 1m 6s	
FDS MODE	CR-5T	
XB DATA RATE(MI)	160(32)	
VGR COVERAGE	ON CALL	
NOTES	[1] S/C 31=GS-4B @ 0741 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

ISSUE DATE: 11/07/11 20:14



ISSUE DATE: 11/07/11 20:14



ISSUE DATE: 11/07/11 20:14

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 21, 2011 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 RTLT: 33h 10m 12s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 33h 10m 18s																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 27h 1m 46s CCSL: B154 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 27h 1m 56s																								
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:	NOV 21												NOV 22												