

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 20, 2013

For the Period: 11/21/13 to 12/09/20 (13-318 – 13-336)

DSN OPSCHIEF (1) 230-102

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FLIGHT TEAM (14) 600-100

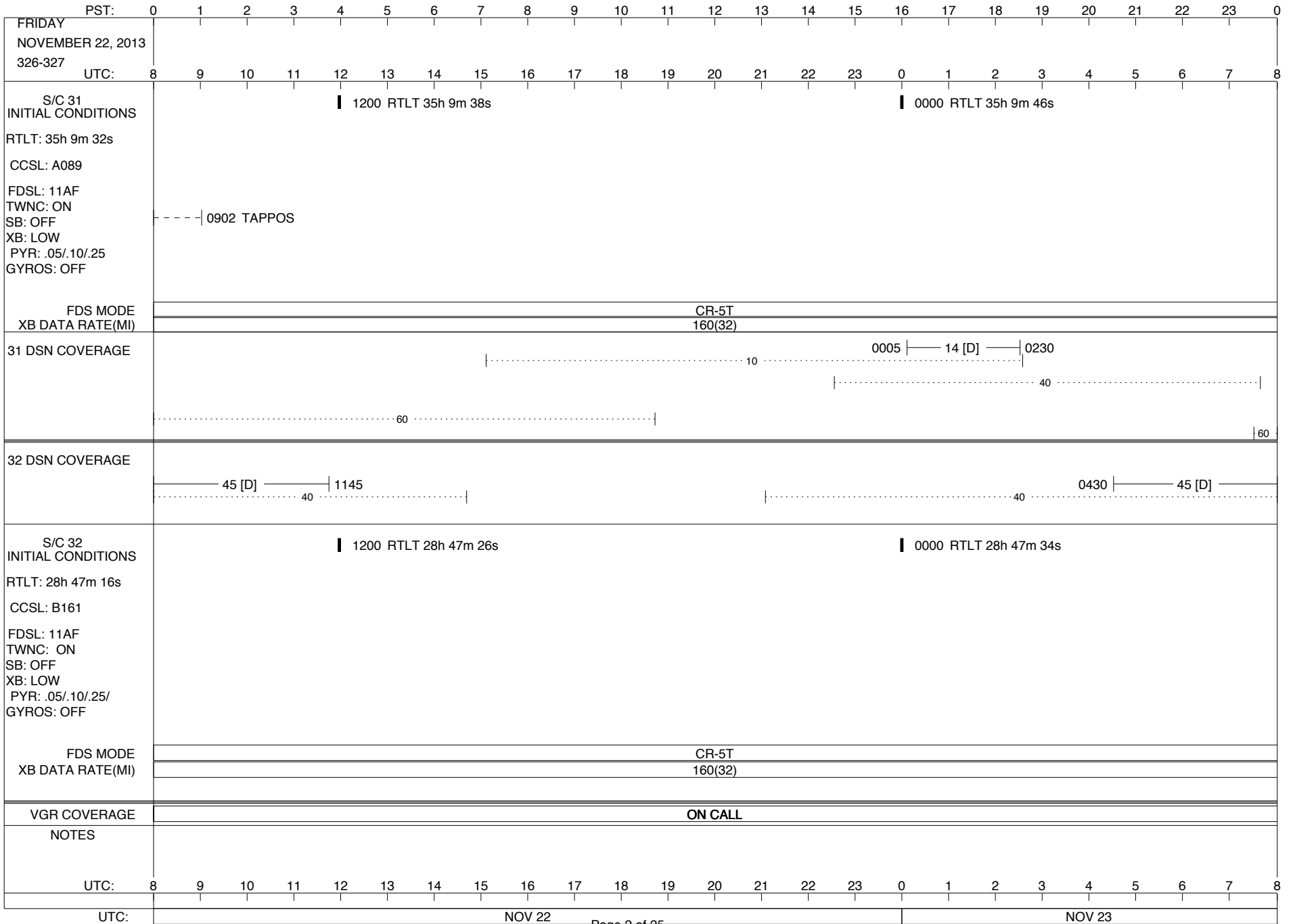
Dodd, S.
 Hall, J.
 Howard, S. (3)
 Ludwig, R. (2)
 Matsumoto, S.
 Medina
 Peralta, F.
 Weeks, T.
 Wong, R.
 Yang, L.
 Zottarelli, L.
 *odivers@san.rr.com

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

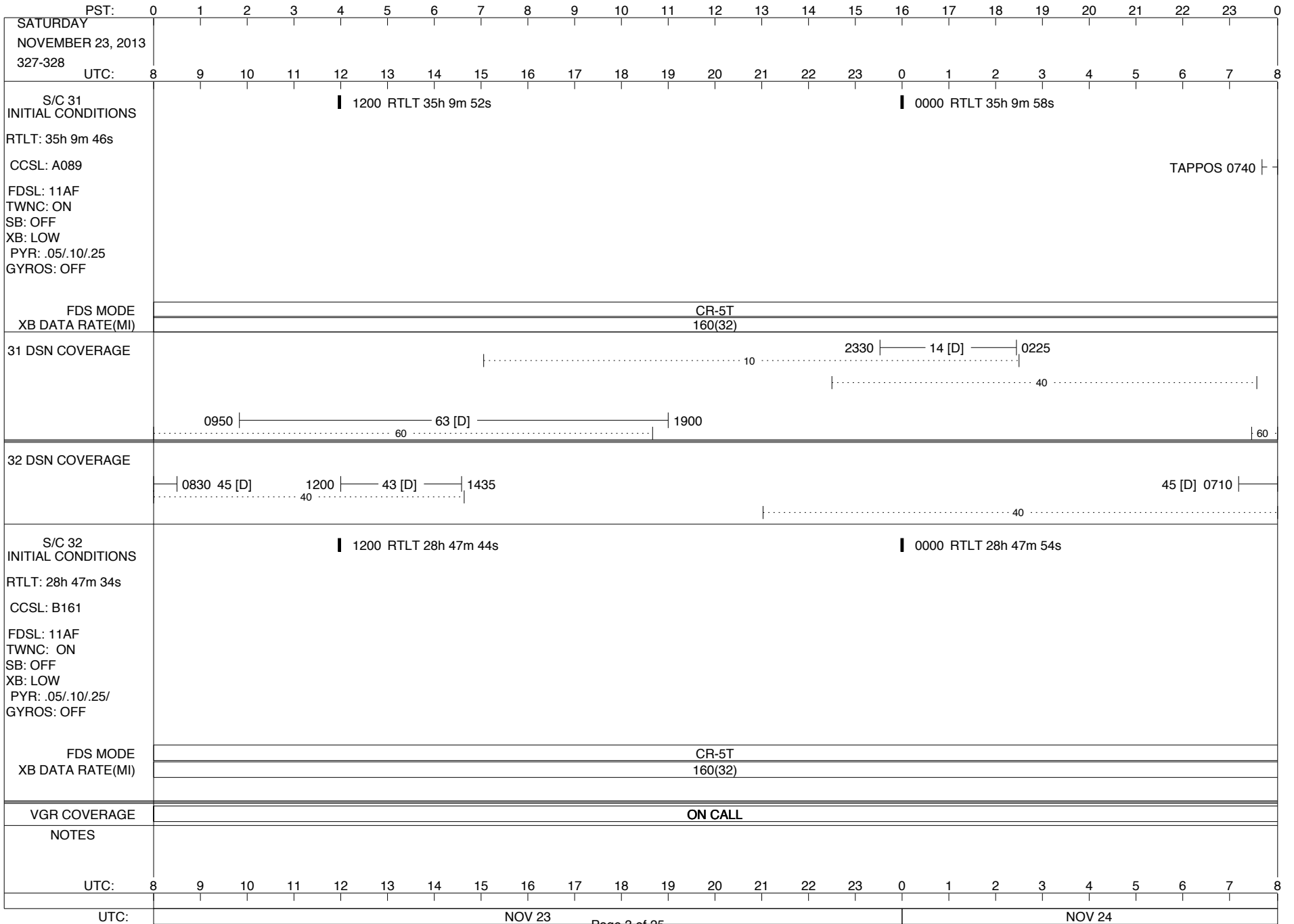
*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
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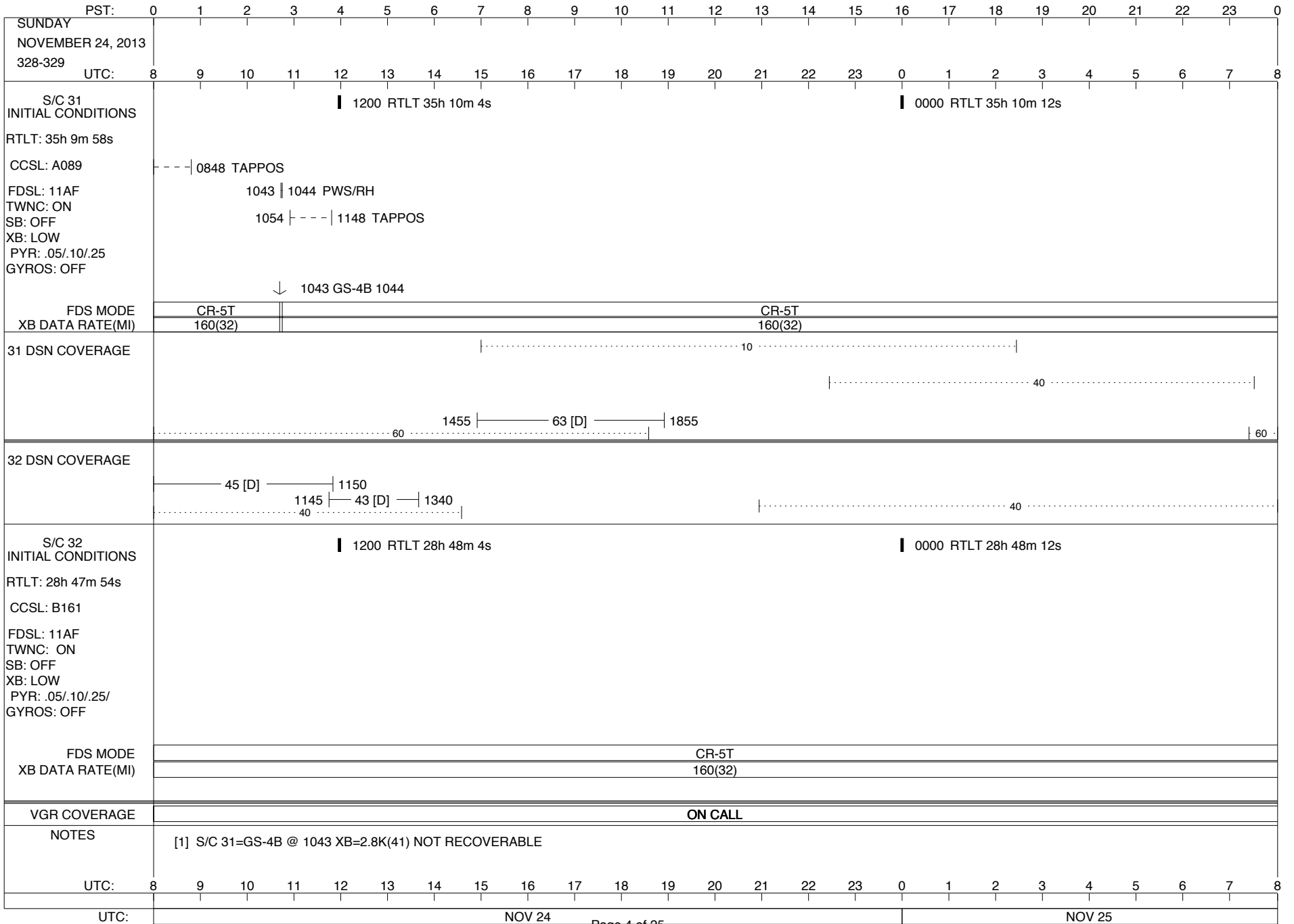
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S/C 31 INITIAL CONDITIONS RTLTL: 35h 9m 18s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 9m 26s												0000 RTLTL 35h 9m 32s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	1530 ----- 63 [D] ----- 1910												2330 ----- 14 [D] ----- 0230												
	60												40												
32 DSN COVERAGE	45 [D] ----- 0935												0430 ----- 45 [D] -----												
	1000 ----- 43 [D] ----- 1445												40												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 46m 56s CCSL: B161 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 47m 6s												0000 RTLTL 28h 47m 16s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0742 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 21												NOV 22												

ISSUE DATE: 11/21/13 15:49

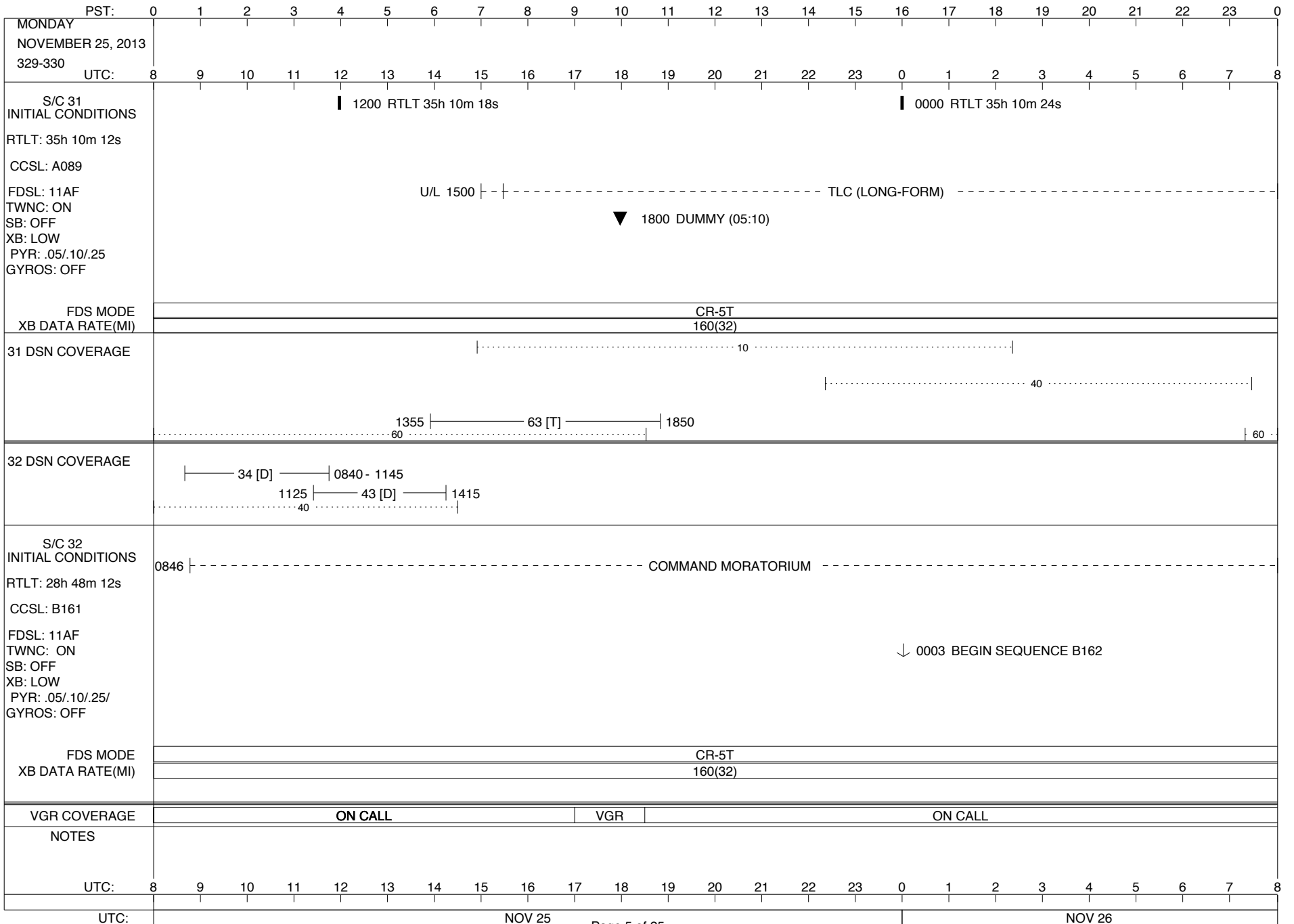


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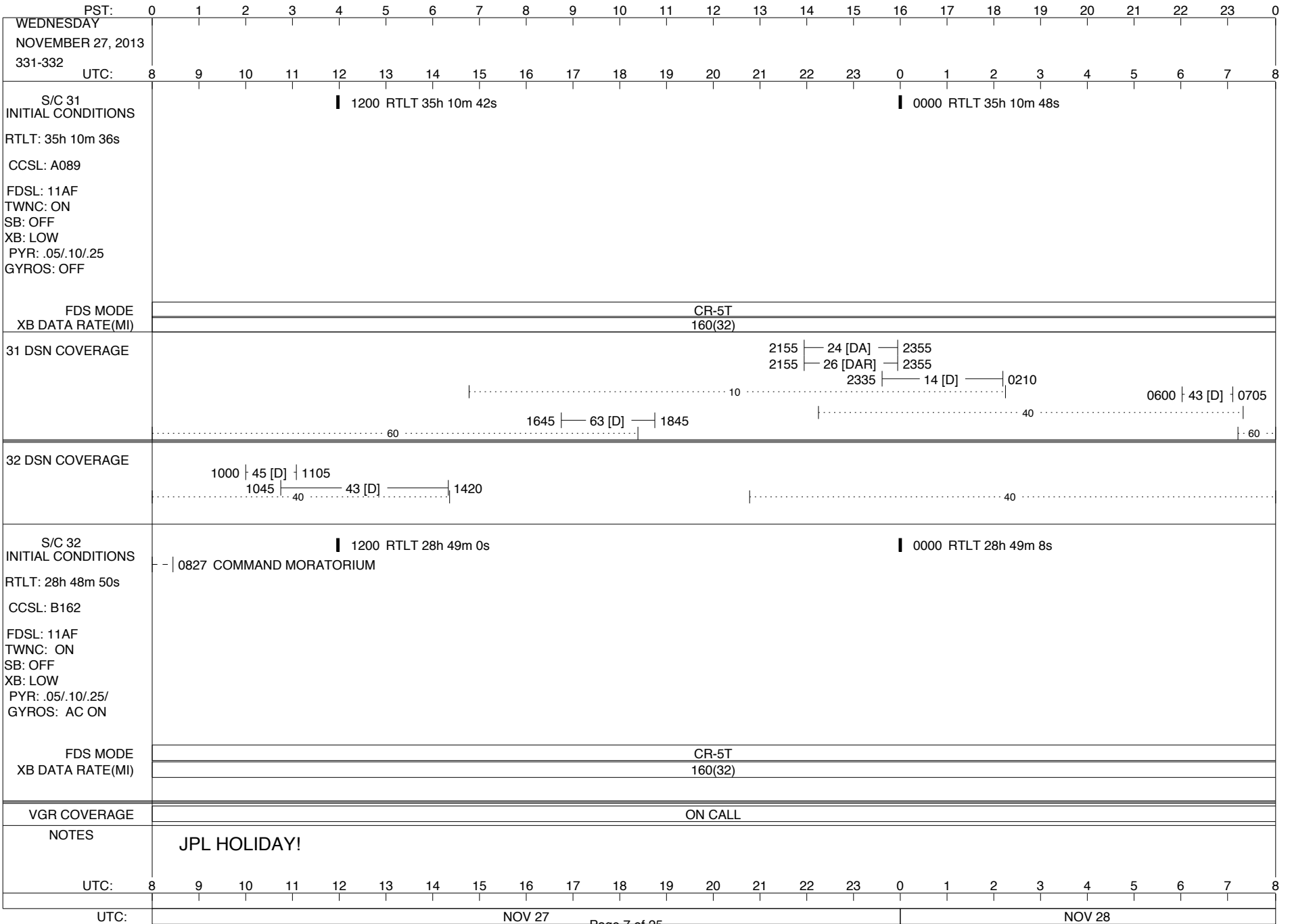
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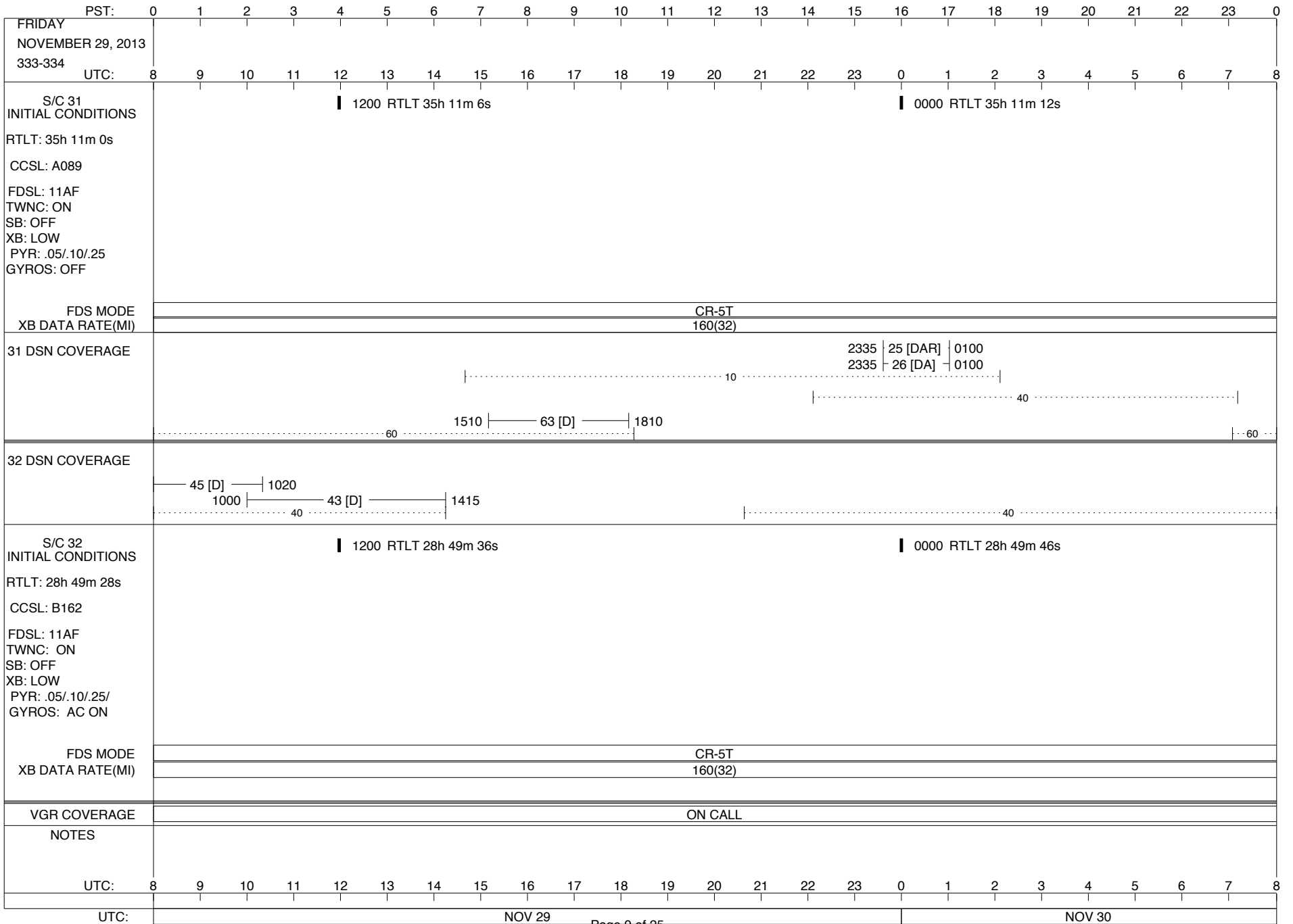
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S/C 31 INITIAL CONDITIONS RTLTL: 35h 10m 24s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 10m 30s												0000 RTLTL 35h 10m 36s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1450 ----- 63 [D] ----- 1850												0105 0106 PWS/RH ↓ 0105 GS-4B 0106												
32 DSN COVERAGE	0930 ----- 43 [D] ----- 1420												0105 0106 PWS/RH ↓ 0105 GS-4B 0106												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 48m 12s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 48m 42s												0000 RTLTL 28h 48m 50s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0105 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
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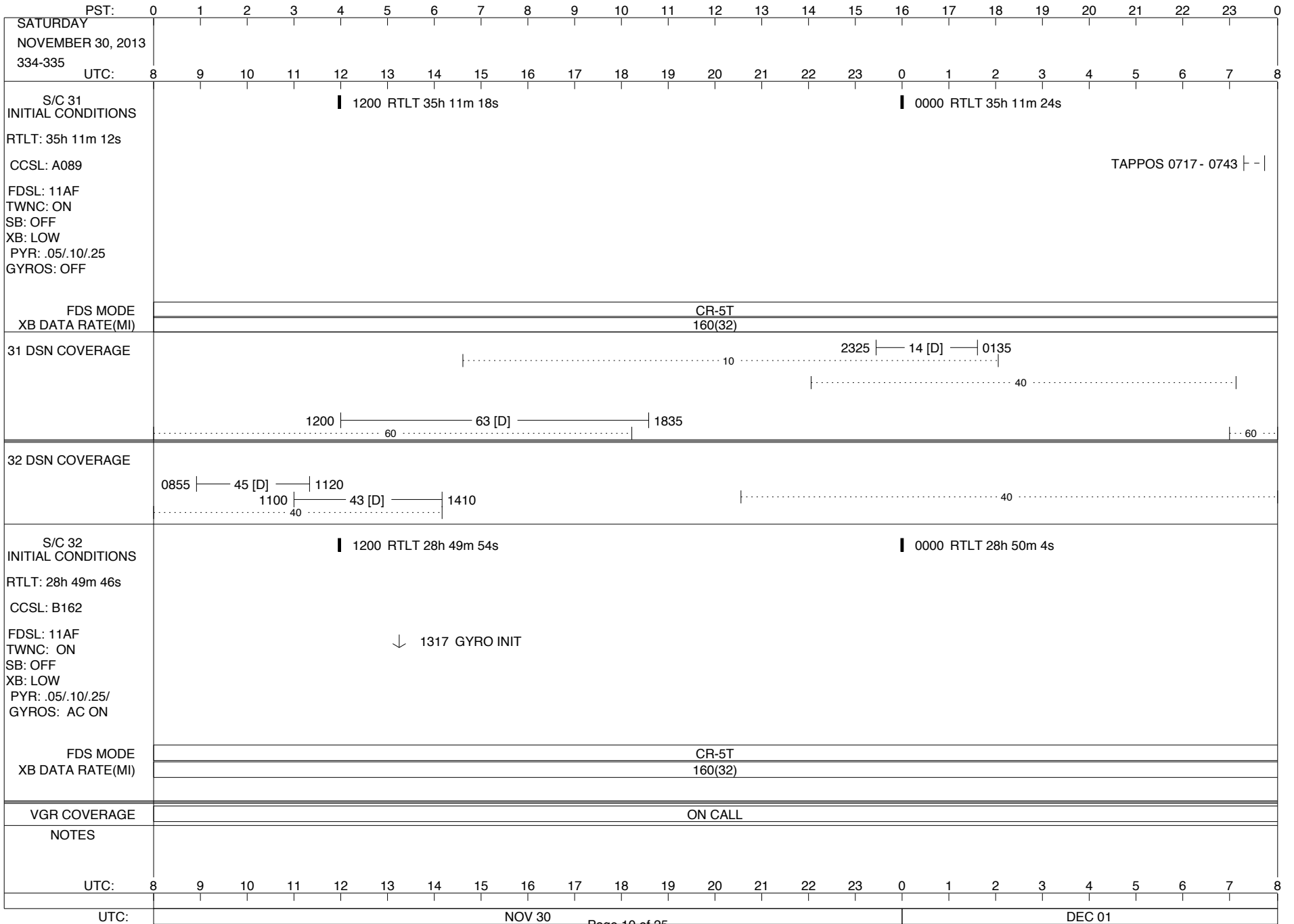
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THURSDAY NOVEMBER 28, 2013 332-333																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 35h 10m 48s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 10m 54s												0000 RTLT 35h 11m 0s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	<p>.....10.....</p> <p>.....40.....</p> <p>.....60.....153063 [D]1840.....60 ..</p>																								
32 DSN COVERAGE	<p>.....43 [o]0805 - 1420.....053045 [D]</p> <p>.....40.....40.....</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 28h 49m 8s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: AC ON	1200 RTLT 28h 49m 18s												0000 RTLT 28h 49m 28s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	<p>[1] S/C 31=GS-4B @ 0719 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:	NOV 28												NOV 29												

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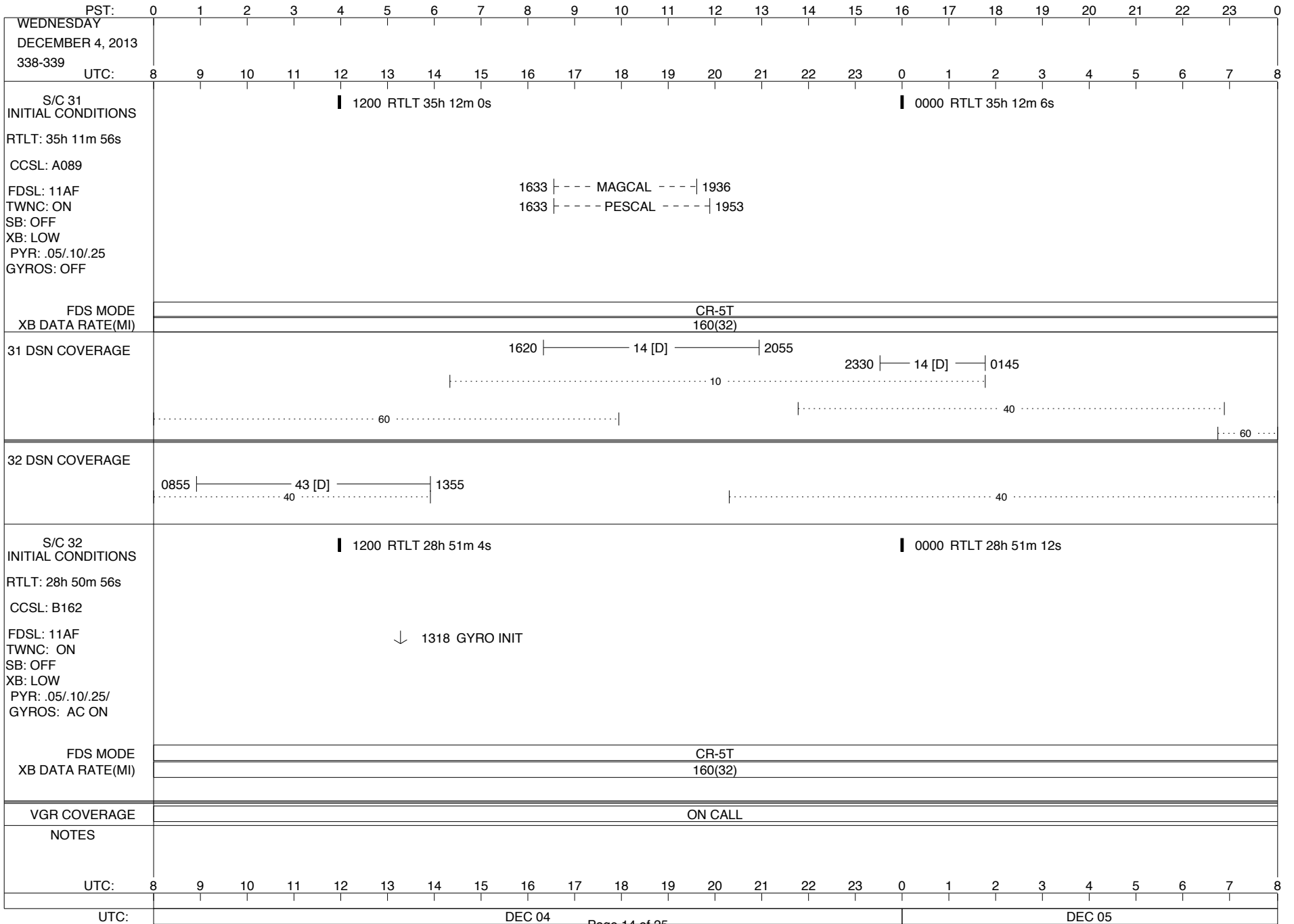
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SUNDAY DECEMBER 1, 2013 335-336	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 35h 11m 24s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 11m 28s												0000 RTLTL 35h 11m 34s												
	1019 1020 PWS/RH 1031 1043 TAPPOS ↓ 1019 GS-4B 1020																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1525 63 [D] 1805 60												2100 14 [D] 0155 10 40												
32 DSN COVERAGE	0905 43 [D] 1405 40 45 [D] 0750 40												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 50m 4s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: AC ON	1200 RTLTL 28h 50m 12s												0000 RTLTL 28h 50m 20s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1019 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 01												DEC 02												

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 2, 2013 336-337																									
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: 35h 11m 34s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 11m 40s												0000 RTLTL 35h 11m 44s												
													↓ 1852 BAY 1 HTR OFF ↓ 1856 X/B HI POWER 1938 1958 AACS MRO 1958 2014 CCS MRO 2014 2027 CCS MRO ↓ 2042 X/B LOW POWER ↓ 2046 BAY 1 HTR ON ↓ 1923 EH-12 2026												
FDS MODE	CR-5T												EH-12												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1730 ----- 14 [DAR] ----- 2130 1900 ----- 25 [DA] ----- 2030 ----- 10 ----- 40 ----- 60																								
32 DSN COVERAGE	45 [D] ----- 1030 1000 ----- 43 [D] ----- 1200 ----- 40 ----- 40																								
S/C 32 INITIAL CONDITIONS RTLTL: 28h 50m 20s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: AC ON	1200 RTLTL 28h 50m 30s												0000 RTLTL 28h 50m 38s												
	↓ 1317 GYRO INIT																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	[1] S/C 31=EH-12 @ 1923 XB=1.2K(30) [2] S/C 32=CR-5T @ 2026 XB=160(32)																								
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 02												Page 12 of 25						DEC 03						

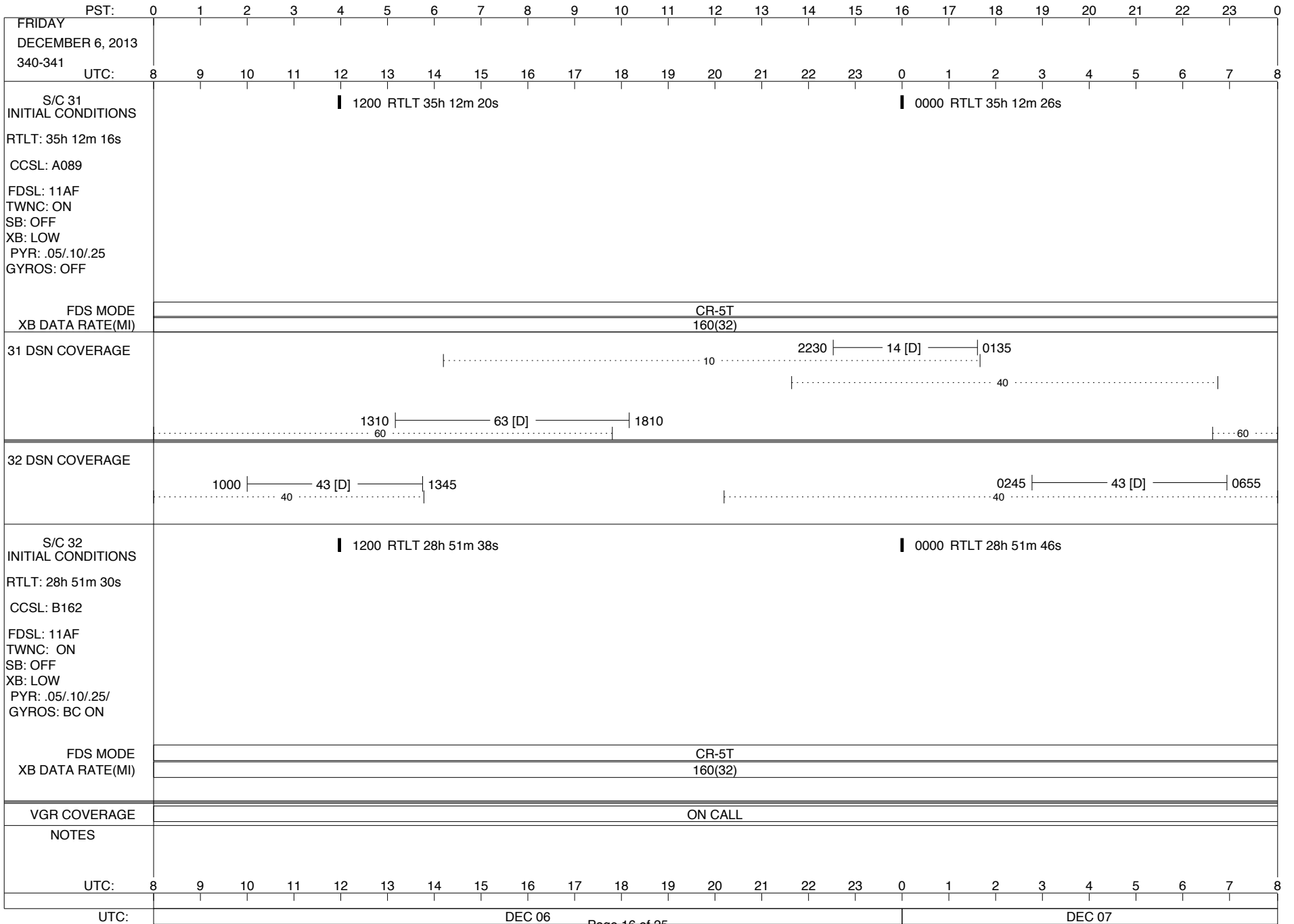
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TUESDAY DECEMBER 3, 2013 337-338		PST: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0																							
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8																									
S/C 31 INITIAL CONDITIONS RTLT: 35h 11m 44s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 35h 11m 50s												0000 RTLT 35h 11m 56s											
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)												CR-5T 160(32)											
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 28h 50m 38s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: AC ON		1200 RTLT 28h 50m 48s												0000 RTLT 28h 50m 56s											
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)												CR-5T 160(32)											
VGR COVERAGE		ON CALL								VGR								ON CALL							
NOTES		[1] S/C 31=GS-4B @ 0042 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 03												DEC 04											

ISSUE DATE: 11/21/13 15:49



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 5, 2013 339-340																																				
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: 35h 12m 6s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLTL 35h 12m 12s												0000 RTLTL 35h 12m 16s																						
FDS MODE		CR-5T												CR-5T																						
XB DATA RATE(MI)		160(32)												160(32)																						
31 DSN COVERAGE		<p>2300 14 [D] 0140</p> <p>1545 63 [T] 1815</p> <p>0000 34 [D] 0245</p>																																		
32 DSN COVERAGE		<p>0354 0355 TAPPOS</p> <p>1610 DUMMY (03:22)</p> <p>PWS/RH 0655 0656</p> <p>TAPPOS 0707 - 0722 </p> <p>0655 GS-4B 0656 ↓</p>																																		
S/C 32 INITIAL CONDITIONS RTLTL: 28h 51m 12s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: AC ON		1200 RTLTL 28h 51m 22s												0000 RTLTL 28h 51m 30s																						
FDS MODE		CR-5T												CR-5T																						
XB DATA RATE(MI)		160(32)												160(32)																						
VGR COVERAGE		ON CALL							VGR							ON CALL							VGR							ON CALL						
NOTES		[1] S/C 31=GS-4B @ 0655 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 05														DEC 06																				



ISSUE DATE: 11/21/13 15:49

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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: 35h 12m 26s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 12m 30s												0000 RTLT 35h 12m 36s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	1300 60 ----- 63 [D] ----- 1805												0245 40 ----- 43 [D] -----													
32 DSN COVERAGE	0925 40 ----- 43 [D] ----- 1340												0245 40 ----- 43 [D] -----													
S/C 32 INITIAL CONDITIONS RTLT: 28h 51m 46s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	1200 RTLT 28h 51m 54s												0000 RTLT 28h 52m 4s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												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 07												DEC 08													

ISSUE DATE: 11/21/13 15:49

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 8, 2013 342-343	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: 35h 12m 36s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 12m 40s												0000 RTLTL 35h 12m 44s												
	0955 0956 PWS/RH 1007 - 1036 TAPPOS																								
	↓ 0955 GS-4B 0956																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1020 -----60----- 63 [D] -----1800-----												2320 -----14 [D]----- 0130 -----40-----												
32 DSN COVERAGE	0820 43 [D] -----40-----												45 [D] 0755 -----40-----												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 52m 4s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	1200 RTLTL 28h 52m 12s												0000 RTLTL 28h 52m 20s 2324 ----- COMMAND MORATORIUM -----												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0955 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 08												DEC 09												

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 9, 2013 343-344																										
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: 35h 12m 44s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 12m 50s												0000 RTLTL 35h 12m 54s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
31 DSN COVERAGE	1215 ----- 63 [D] ----- 1800												2215 ----- 24 [DAR] ----- 0020 2215 ----- 25 [DA] ----- 0020													
32 DSN COVERAGE	45 [D] ----- 0955 0935 ----- 43 [D] ----- 1335												0325 - 0800 ----- 43 [DAR] 0325 ----- 45 [DA] ----- 0505													
S/C 32 INITIAL CONDITIONS RTLTL: 28h 52m 20s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	1200 RTLTL 28h 52m 28s												0000 RTLTL 28h 52m 36s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												EH-12 CR-5T 160(32)													
VGR COVERAGE	ON CALL												VGR ON CALL													
NOTES	[1] S/C 32=EH-12 @ 0402 XB=1.2K(30) [2] S/C 32=CR-5T @ 0505 XB=160(32)																									
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UTC:	DEC 09												DEC 10													