

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 26, 2013

For the Period: 11/28/13 to 12/22/20 (13-332 – 13-356)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

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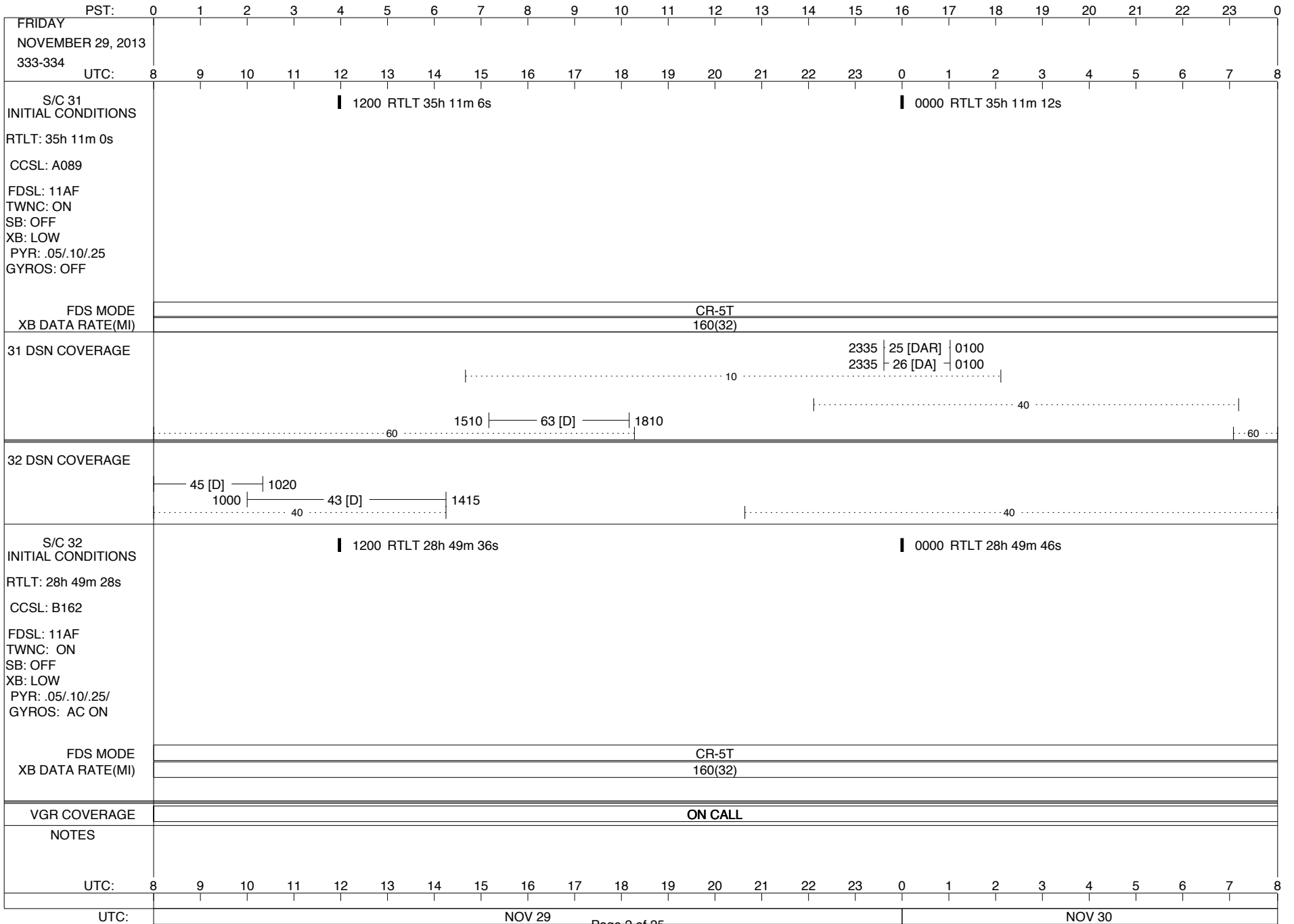
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U =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

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

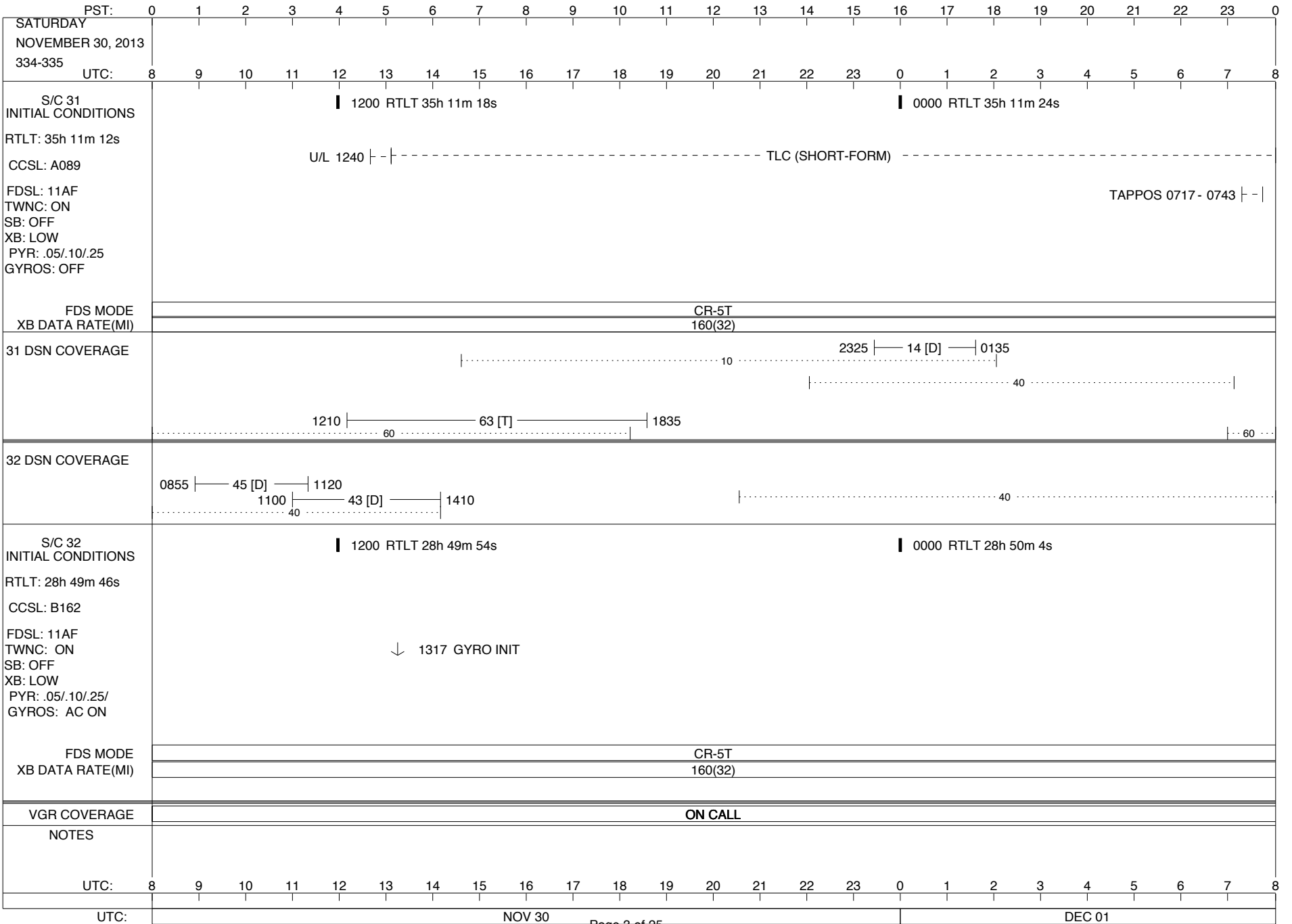
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S/C 31 INITIAL CONDITIONS RTLT: 35h 10m 48s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█	1200	RTLT 35h 10m 54s										█	0000	RTLT 35h 11m 0s										
FDS MODE												CR-5T																	
XB DATA RATE(MI)												160(32)																	
31 DSN COVERAGE												10															
																												
												1530		63 [D]		1840													
												60																
32 DSN COVERAGE													43 [o]		0805 - 1420														
												40																
																												
																												
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																													
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				
FDS MODE												CR-5T																	
XB DATA RATE(MI)												160(32)																	
VGR COVERAGE												ON CALL																	
NOTES	[1] S/C 31=GS-4B @ 0719 XB=2.8K(41) NOT RECOVERABLE JPL HOLIDAY!																												
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UTC:	NOV 28													NOV 29															

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SUNDAY DECEMBER 1, 2013 335-336																										
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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													
	----- TLC (SHORT-FORM) ----- | D/L - | 0119																									
	1019 | 1020 PWS/RH 1031 | 1043 TAPPOS ↓ 1019 GS-4B 1020																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	..... 2100 |----- 14 [D] -----| 0155 10 40 1525 |----- 63 [D] -----| 1805 60 60																									
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	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												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	
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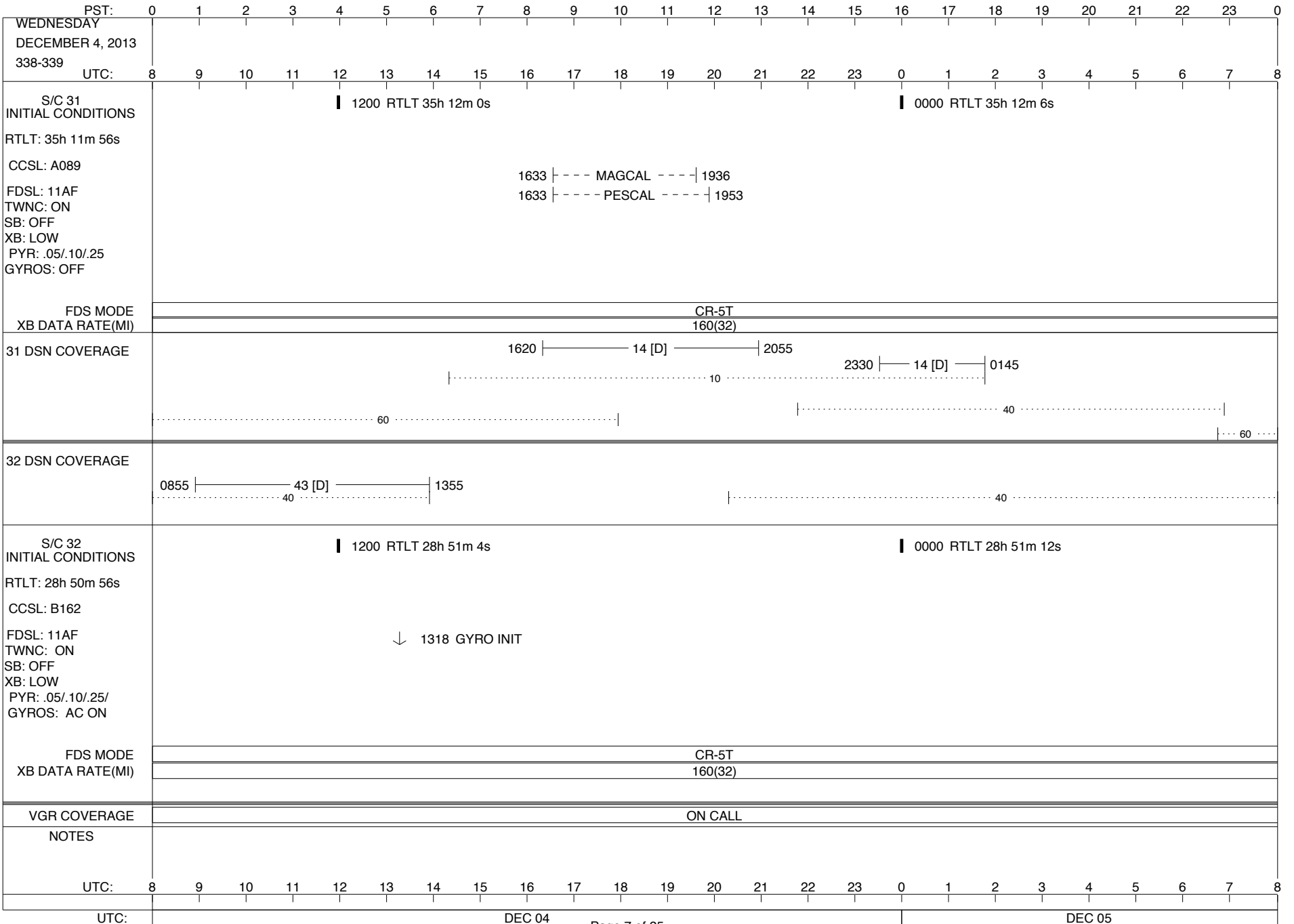
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MONDAY DECEMBER 2, 2013 336-337																												
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S/C 31 INITIAL CONDITIONS RTLT: 35h 11m 34s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 11m 40s														0000 RTLT 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																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLT: 28h 50m 20s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: AC ON	1200 RTLT 28h 50m 30s														0000 RTLT 28h 50m 38s													
															↓ 1317 GYRO INIT													
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
VGR COVERAGE	ON CALL														VGR													
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			
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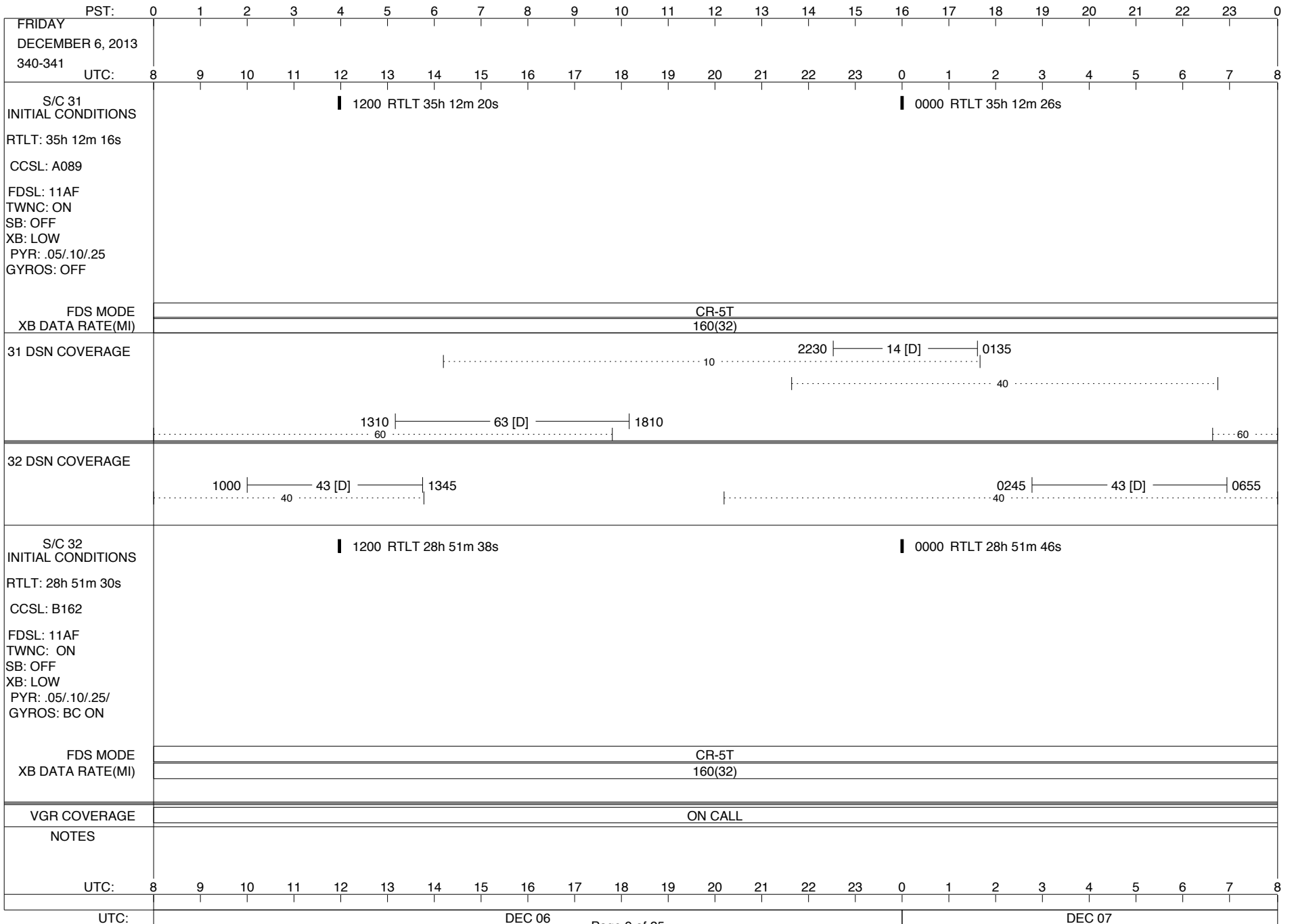
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UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8																									
S/C 31 INITIAL CONDITIONS RTLT: 35h 11m 44s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 35h 11m 50s												0000 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)																							
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: 12/12/13 15:27



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																												
32 DSN COVERAGE																												
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																											
XB DATA RATE(MI)	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													

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ISSUE DATE: 12/12/13 15:27

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 7, 2013 341-342	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 26s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 35h 12m 30s																							█ 0000 RTLTL 35h 12m 36s	
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	|.....| 10 .....| |.....| 40 .....| 1300 |-----| 63 [D] -----| 1805 60 .....|.....| 60																							
32 DSN COVERAGE	0925 |-----| 43 [D] -----| 1340 40 .....|.....| 0245 |-----| 43 [D] ----- 40 .....|.....|																								
S/C 32 INITIAL CONDITIONS RTLTL: 28h 51m 46s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	█ 1200 RTLTL 28h 51m 54s																							█ 0000 RTLTL 28h 52m 4s	
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:	DEC 07													DEC 08											

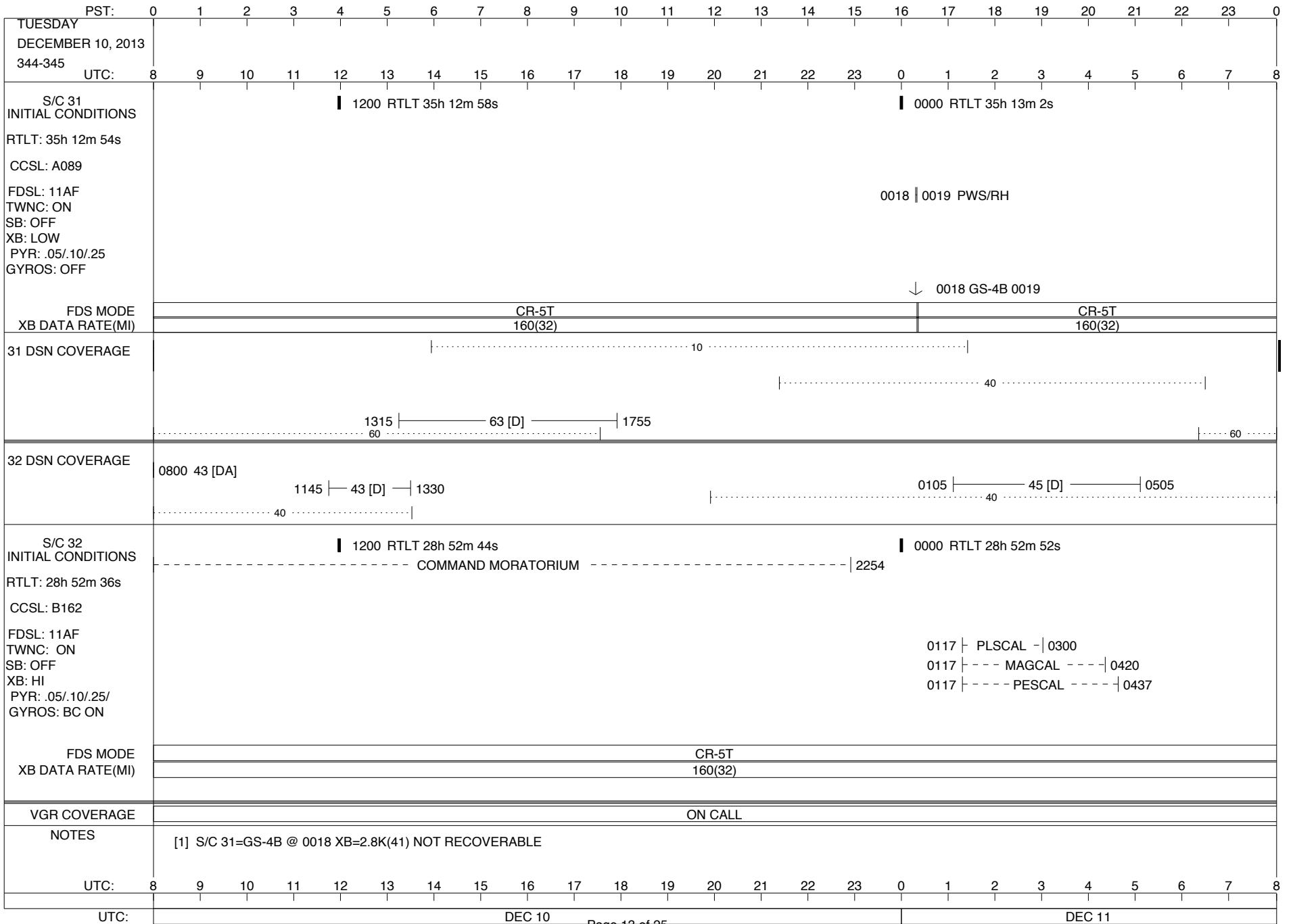
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SUNDAY DECEMBER 8, 2013 342-343	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 35h 12m 36s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 12m 40s												0000 RTLT 35h 12m 44s												
	0955 | 0956 PWS/RH 1007 | - | 1036 TAPPOS U/L 1100 | - | ----- TLC (SHORT-FORM) ----- ↓ 0955 GS-4B 0956																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1035 |----- 63 [T]-----| 1800												2320 |----- 14 [D]-----| 0130 |----- 40-----| |----- 60-----|												
32 DSN COVERAGE	| 0820 43 [D] |----- 40-----|												0220 |----- 43 [D]-----| 0630 45 [D] 0755 | |----- 40-----|												
S/C 32 INITIAL CONDITIONS RTLT: 28h 52m 4s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	1200 RTLT 28h 52m 12s												0000 RTLT 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
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ISSUE DATE: 12/12/13 15:27

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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												|-----40-----|												
32 DSN COVERAGE	45 [D] |-----0955												0240 - 0800 |-----43 [DA]-----|												
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)																								
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 09												DEC 10												

ISSUE DATE: 12/12/13 15:27



ISSUE DATE: 12/12/13 15:27

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WEDNESDAY DECEMBER 11, 2013 345-346	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 13m 2s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200																				
FDS MODE XB DATA RATE(MI)																										
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 28h 52m 52s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: BC ON						1200																				
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:																										

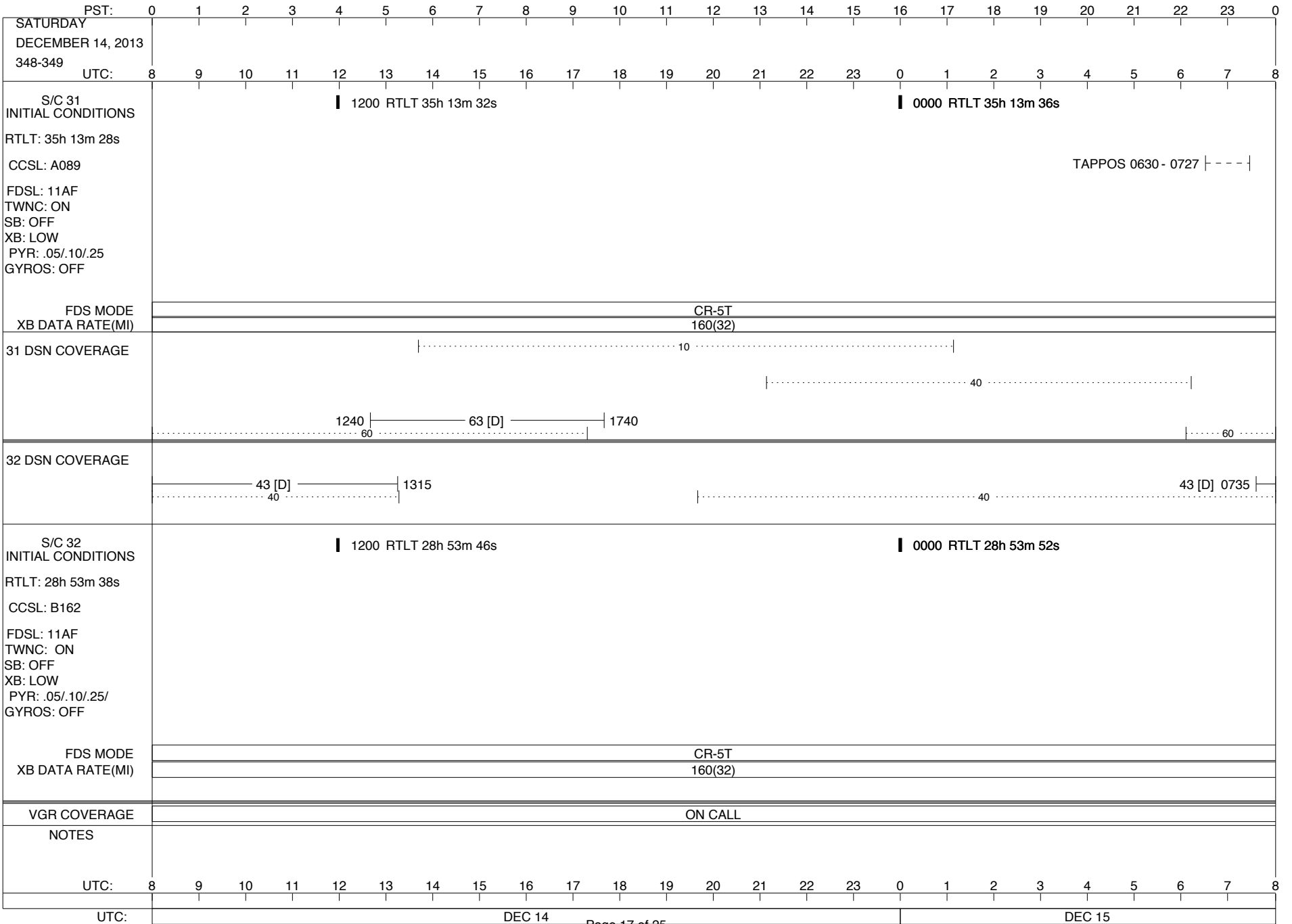
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THURSDAY DECEMBER 12, 2013 346-347																												
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S/C 31 INITIAL CONDITIONS RTLTL: 35h 13m 12s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 13m 16s												0000 RTLTL 35h 13m 20s															
																			0330 |---| 0413 TAPPOS									
																			PWS/RH 0632 | 0633						TAPPOS 0644- 0740 |----|			
																			0632 GS-4B 0633 ↓									
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	.....|.....10.....|.....												2130 |--- 43 [D] ---| 0000 .....|.....40.....|.....															
	.....60.....|.....1430 |--- 63 [D] ---| 1745												.....|.....0700 | 63 [D] |.....60.....															
32 DSN COVERAGE	.....40.....|.....43 [D] ---| 1320												.....|.....0045 |--- 43 [D] ---|.....40.....															
S/C 32 INITIAL CONDITIONS RTLTL: 28h 53m 8s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: BC ON	1200 RTLTL 28h 53m 14s												0000 RTLTL 28h 53m 22s															
	-----COMMAND MORATORIUM-----																											
																			↓ 0119 AAI									
																			0122- 0717 |-----MAGROL-----|									
																			RAI 0710 ↓						CRU 0717 ↓			
																			GYROS OFF 0717 ↓						X/B LOW POWER 0720 ↓			
																			BAY 1 HTR ON 0724 ↓									
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
VGR COVERAGE	ON CALL														VGR													
NOTES	[1] S/C 31=GS-4B @ 0632 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32 - D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (0122-0717)																											
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ISSUE DATE: 12/12/13 15:27

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S/C 31 INITIAL CONDITIONS RTLT: 35h 13m 20s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 13m 24s												0000 RTLT 35h 13m 28s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	63 [D] 1350												0235 43 [D] 0535												
32 DSN COVERAGE	43 [D] 1040												0620 43 [D]												
S/C 32 INITIAL CONDITIONS RTLT: 28h 53m 22s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 53m 30s												0000 RTLT 28h 53m 38s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												COMMAND MORATORIUM 0230												
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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ISSUE DATE: 12/12/13 15:27



ISSUE DATE: 12/12/13 15:27

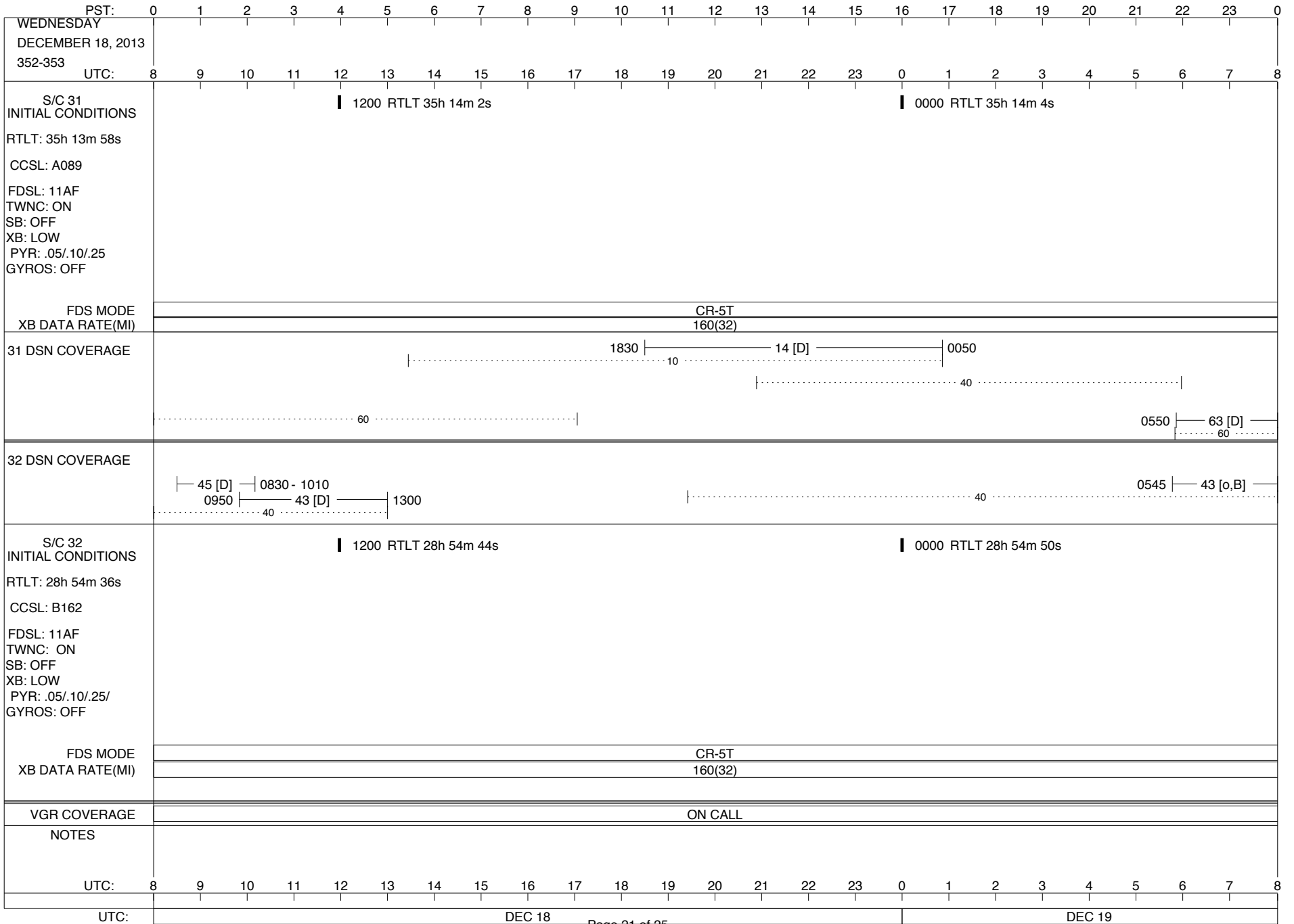
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S/C 31 INITIAL CONDITIONS RTLTL: 35h 13m 36s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 13m 40s												0000 RTLTL 35h 13m 44s												
	0932 | 0933 PWS/RH																								
	0944 |-----| 1054 TAPPOS																								
	↓ 0932 GS-4B 0933																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1930 |-----| 14 [D] |-----| 0100												1405 |-----| 63 [D] |-----| 1735												
32 DSN COVERAGE	43 [D] |-----| 1145												0500 |-----| 43 [D] |-----|												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 53m 52s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 54m 0s												0000 RTLTL 28h 54m 8s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0932 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 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
MONDAY DECEMBER 16, 2013 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 RTLTL: 35h 13m 44s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 13m 48s												0000 RTLTL 35h 13m 50s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	1140 |-----60-----| 63 [T] |-----60-----| 1730												2300 |-----14 [D]-----| 0055 |-----40-----|												
32 DSN COVERAGE	43 [D] |-----40-----| 1305												0205 |-----40-----| 45 [D]												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 54m 8s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 54m 16s												0000 RTLTL 28h 54m 22s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												EL-40 0233↓						EL-40 40(30)						
VGR COVERAGE	ON CALL						VGR						ON CALL						VGR						
NOTES	[1] S/C 32=EL-40 @ 0233 XB=40(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:	DEC 16												DEC 17												

ISSUE DATE: 12/12/13 15:27

TUESDAY		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																							
DECEMBER 17, 2013																									
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		1200 RTLT 35h 13m 54s												0000 RTLT 35h 13m 58s											
RTLTL: 35h 13m 50s																									
CCSL: A089		----- TLC (LONG-FORM) ----- | D/L - | 0047																							
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>1930 |----- 14 [D] -----| 0055</p> <p>10 |----- 40 -----|</p> <p>60 |----- 60 -----|</p>																							
32 DSN COVERAGE		<p>45 [D] |----- 1020 -----|</p> <p>40 |----- 40 -----|</p>																							
S/C 32 INITIAL CONDITIONS		1200 RTLT 28h 54m 30s												0000 RTLT 28h 54m 36s											
RTLTL: 28h 54m 22s																									
CCSL: B162																									
FDSL: 11AF																									
TWNC: ON		| 0817 CCSA MRO																							
SB: OFF		|-----| 0817 - 0934 CCSB MRO																							
XB: LOW																									
PYR: .05/.10/.25/																									
GYROS: OFF																									
FDS MODE		EL-40												CR-5T											
XB DATA RATE(MI)		40(30)												160(32)											
VGR COVERAGE		VGR												ON CALL											
NOTES		<p>[1] S/C 32=CR-5T @ 0935 XB=160(32)</p> <p>[2] S/C 31=GS-4B @ 2355 XB=2.8K(41) NOT RECOVERABLE</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 17												DEC 18											

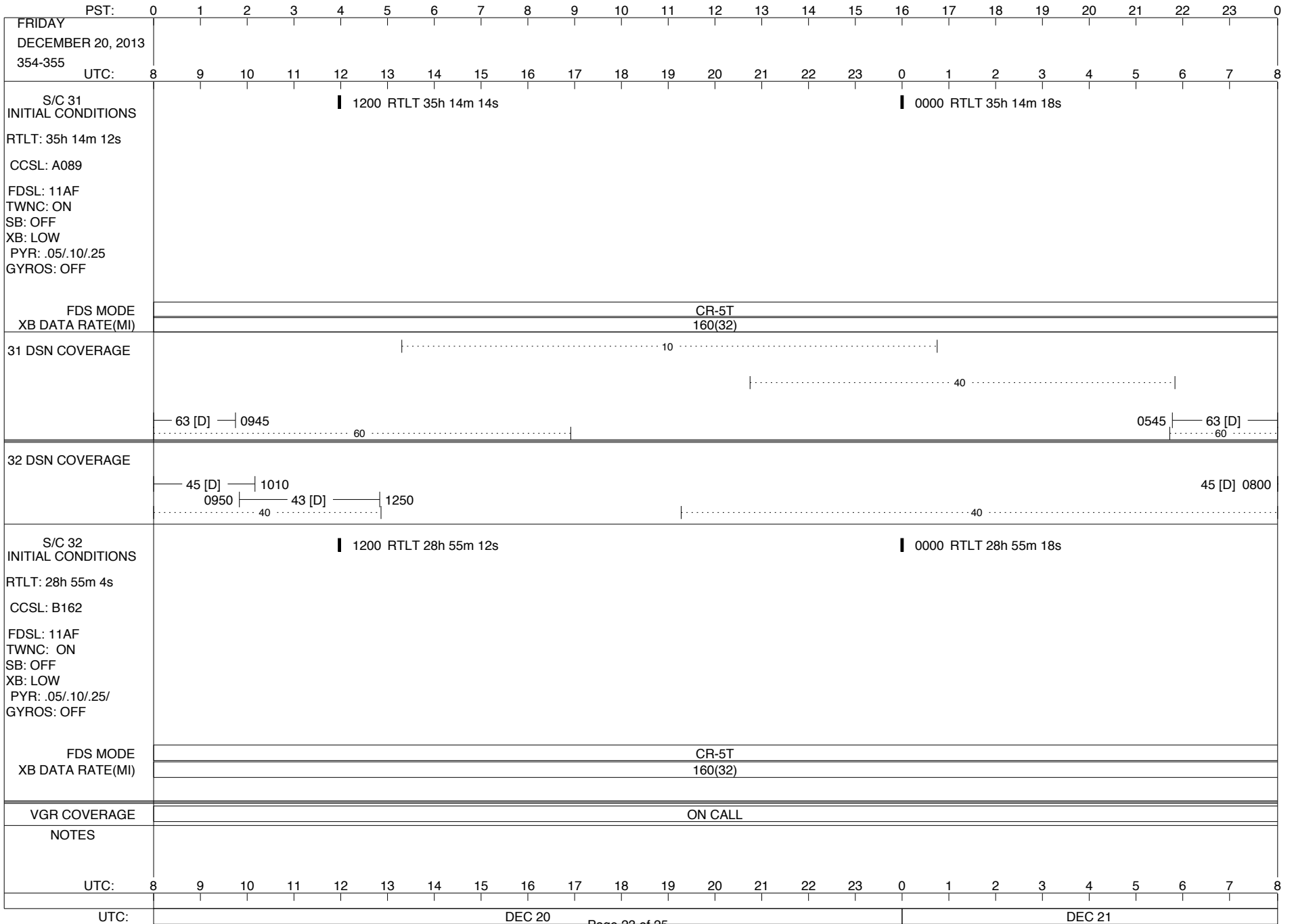
ISSUE DATE: 12/12/13 15:27



ISSUE DATE: 12/12/13 15:27

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 19, 2013 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 RTLTL: 35h 14m 4s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 35h 14m 8s												█ 0000 RTLTL 35h 14m 12s															
																			0306 | TAPPOS | 0431			PWS/RH 0609 | 0610			0620 - 0758 | TAPPOS |			
																						0608 GS-4B 0609 ↓						
FDS MODE	CR-5T											CR-5T																
XB DATA RATE(MI)	160(32)											160(32)																
31 DSN COVERAGE 10 40										63 [D] | 0950				0545 | 63 [D] | .....			
 60 40 60							
32 DSN COVERAGE	43 [o,B] | 1235																0335 | 45 [D] |											
	.....| 40 .....																.....| 40							
S/C 32 INITIAL CONDITIONS RTLTL: 28h 54m 50s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 28h 54m 58s												█ 0000 RTLTL 28h 55m 4s															
	▼ 1202 DUMMY (5 MIN BRACKETED 16:57)																											
FDS MODE	CR-5T											CR-5T																
XB DATA RATE(MI)	160(32)											160(32)																
VGR COVERAGE	ON CALL				VGR				ON CALL																			
NOTES	[1] S/C 31=GS-4B @ 0608 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 19												DEC 20															

ISSUE DATE: 12/12/13 15:27



ISSUE DATE: 12/12/13 15:27

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 21, 2013 355-356	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 14m 18s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 14m 22s												0000 RTLTL 35h 14m 24s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	63 [D] 1035												40 60												
32 DSN COVERAGE	45 [D] 0800 - 1005 0945 43 [D] 1245												2340 34 [o] 40												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 55m 18s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 55m 26s												0000 RTLTL 28h 55m 32s												
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 21												DEC 22												

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 22, 2013 356-357																											
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	<p>1200 RTLT 35h 14m 28s</p> <p>RTLT: 35h 14m 24s</p> <p>CCSL: A089</p> <p>FDSL: 11AF 0909 | 0910 PWS/RH</p> <p>TWNC: ON 0920 | - TAPPOS - | 1112</p> <p>SB: OFF</p> <p>XB: LOW</p> <p>PYR: .05/.10/.25</p> <p>GYROS: OFF</p> <p>↓ 0909 GS-4B 0910</p>																										
FDS MODE	CR-5T													CR-5T													
XB DATA RATE(MI)	160(32)													160(32)													
31 DSN COVERAGE	<p>1310 |-----| 14 [D] -----| 1710</p> <p>.....60.....|</p>																										
32 DSN COVERAGE	<p>34 [o] -----| 1000</p> <p>.....40.....|</p>																										
S/C 32 INITIAL CONDITIONS	<p>1200 RTLT 28h 55m 38s</p> <p>RTLT: 28h 55m 32s</p> <p>CCSL: B162</p> <p>FDSL: 11AF</p> <p>TWNC: ON</p> <p>SB: OFF</p> <p>XB: LOW</p> <p>PYR: .05/.10/.25/</p> <p>GYROS: OFF</p>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
VGR COVERAGE	ON CALL																										
NOTES	[1] S/C 31=GS-4B @ 0909 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 22													DEC 23													