

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 5, 2007

For the Period: 12/06/07 to 12/24/07 (07-340 – 07-358)

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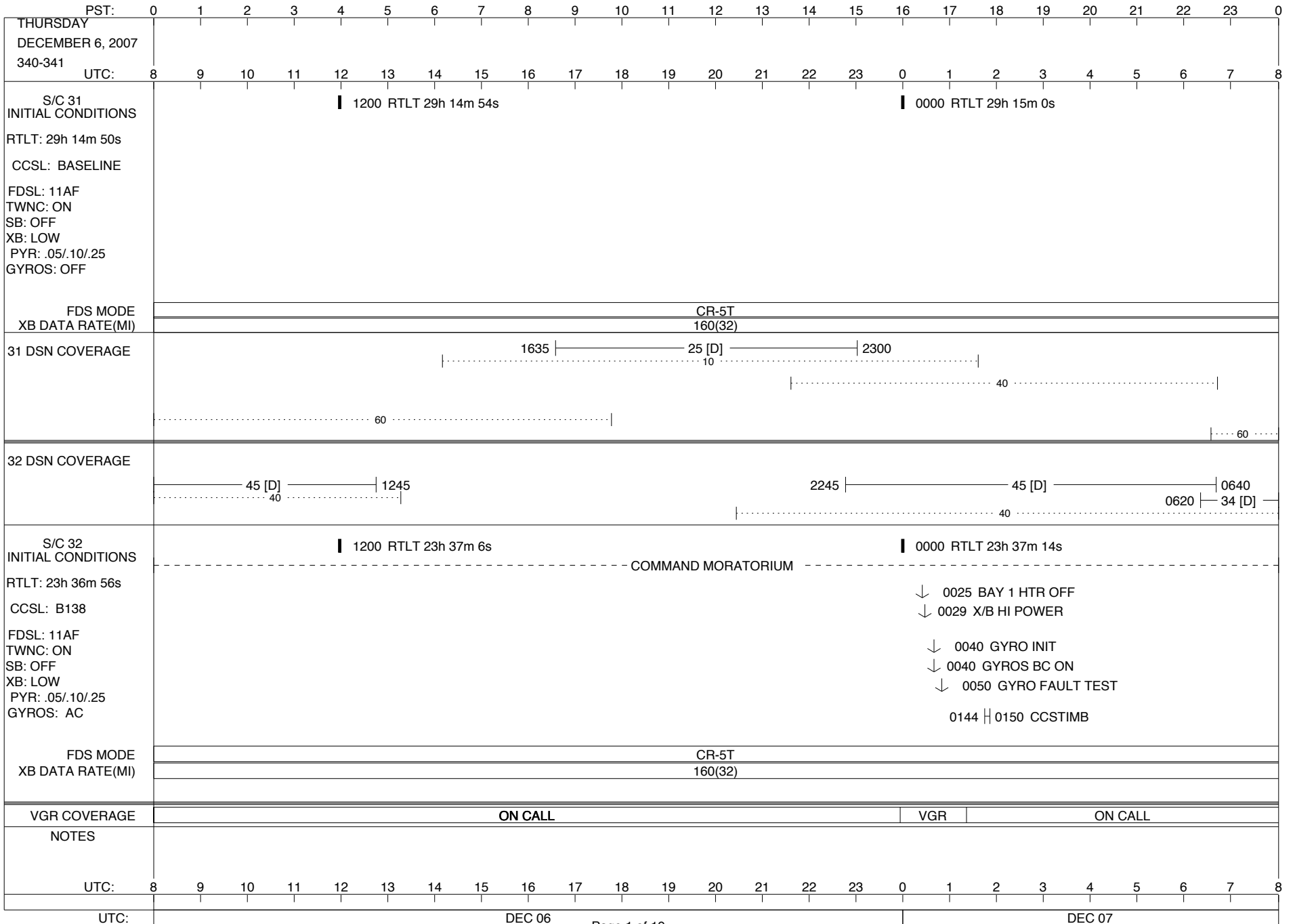
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LEGEND: ∇ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter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

*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 08/30/07

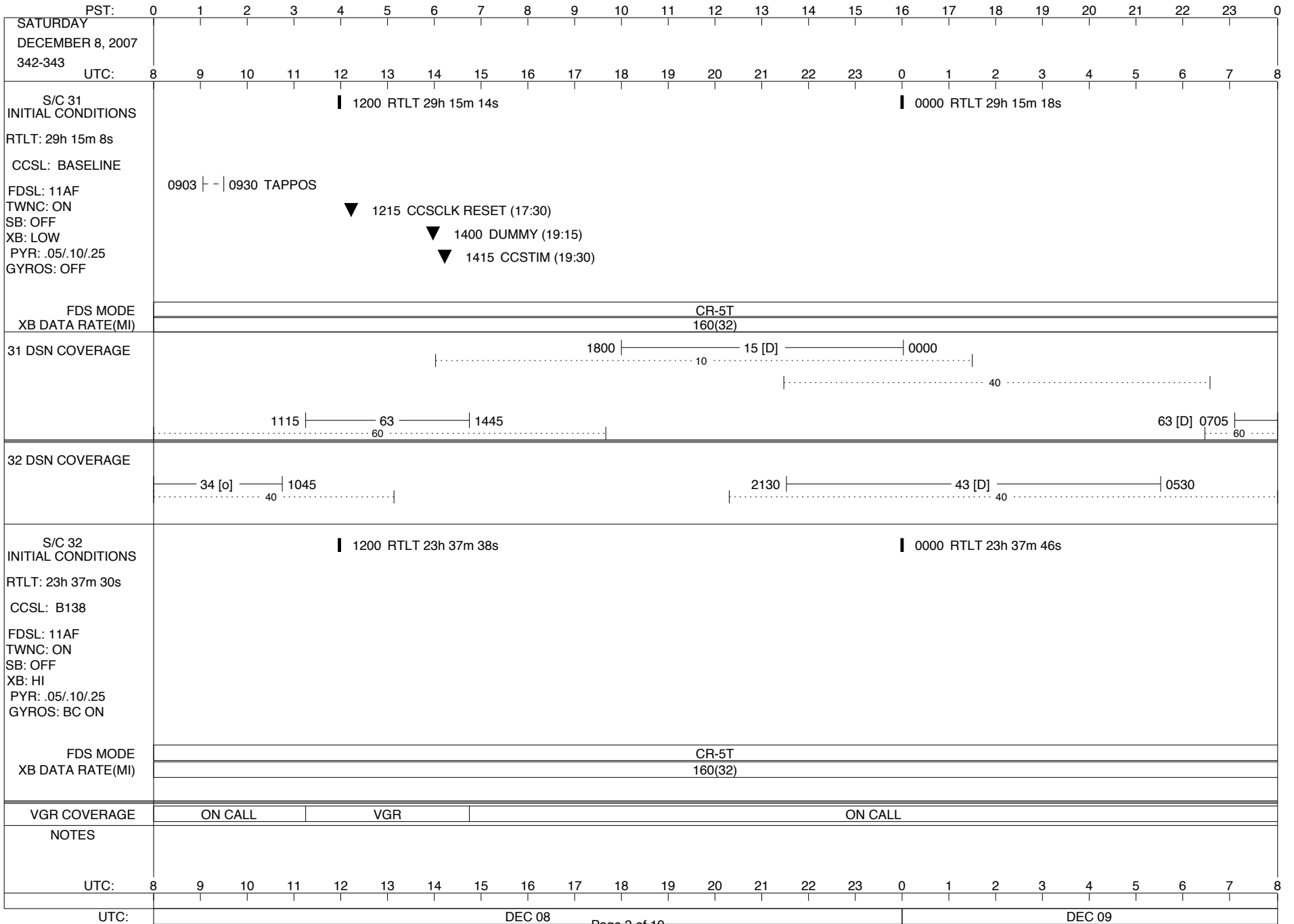
ISSUE DATE: 12/06/07 15:35

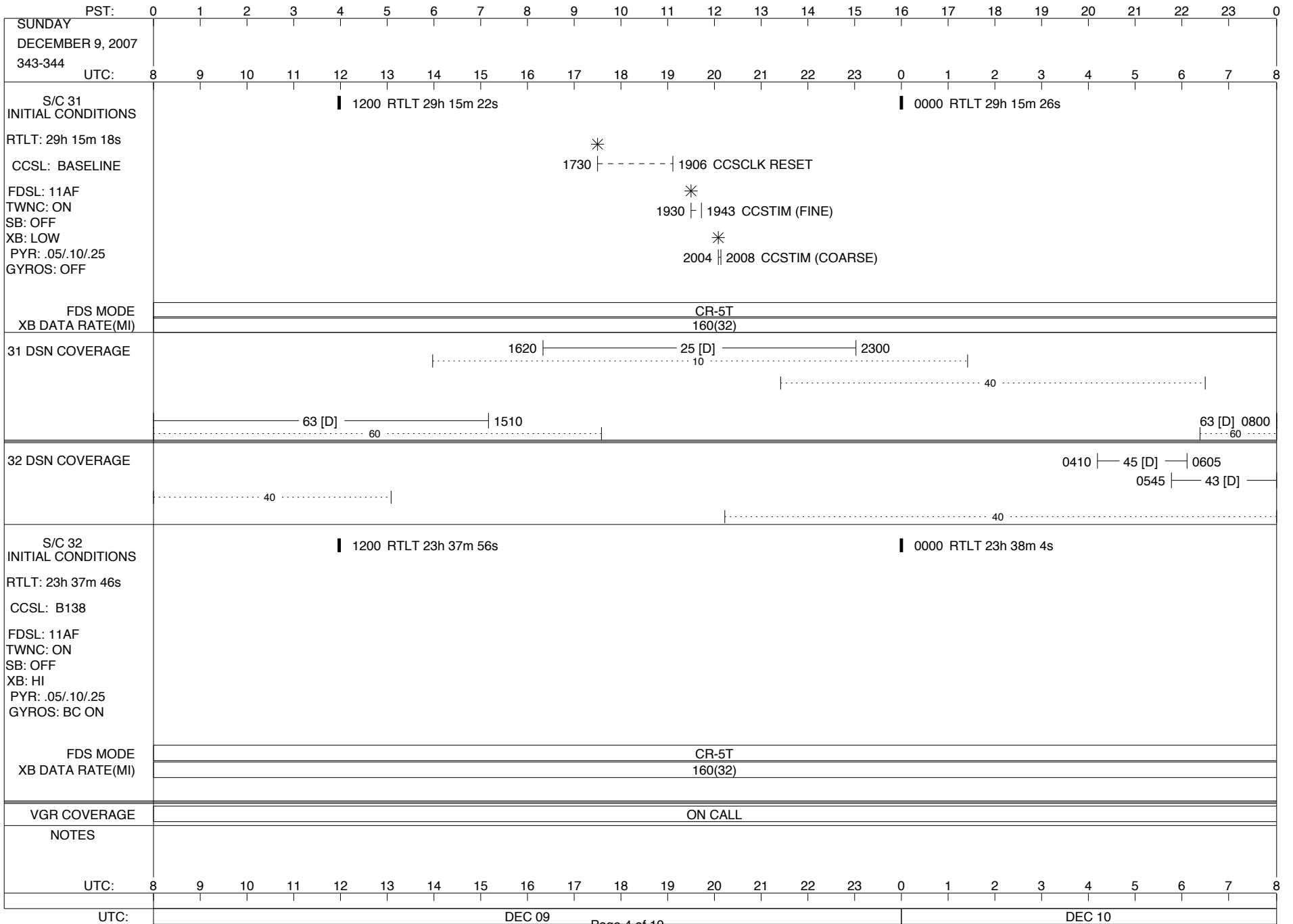


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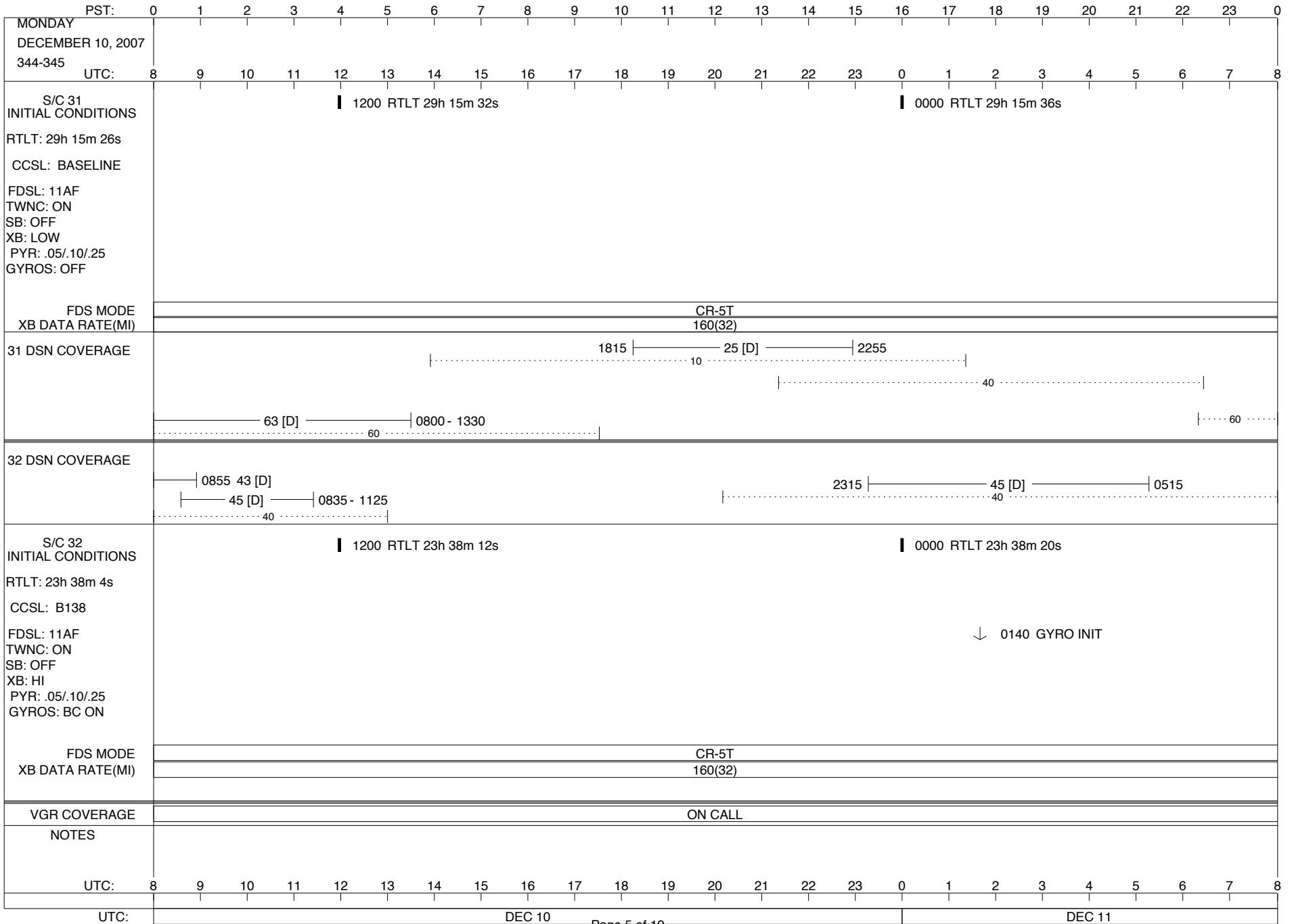
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FRIDAY DECEMBER 7, 2007 341-342																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS	1200 RTLT 29h 15m 4s												0000 RTLT 29h 15m 8s													
RTLT: 29h 15m 0s													0353 0407 TAPPOS													
CSSL: BASELINE													PWS/RH 0656 0657													
FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF													0656 GS-4B 06570657													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	1100 63 [D] 1400												40													
32 DSN COVERAGE	34 [D] 1025												0445 34 [o]													
S/C 32 INITIAL CONDITIONS	1200 RTLT 23h 37m 22s												0000 RTLT 23h 37m 30s													
RTLT: 23h 37m 14s	COMMAND MORATORIUM												0102													
CSSL: B138																										
FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON																										
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												ON CALL													
NOTES	[1] S/C 31=GS-4B @ 0656 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 07												DEC 08													

ISSUE DATE: 12/06/07 15:35





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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	
<p>TUESDAY DECEMBER 11, 2007 345-346</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	
<p>S/C 31 INITIAL CONDITIONS RTLT: 29h 15m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF</p>	<p>1200 RTLT 29h 15m 40s 0000 RTLT 29h 15m 44s</p> <p>U/L 2325 - - - - - - TLC (SHORT-FORM) - - - - - 0032 0033 PWS/RH ↓ 0032 GS-4B 0033</p>
<p>FDS MODE XB DATA RATE(MI)</p>	<p>CR-5T 160(32) CR-5T 160(32)</p>
<p>31 DSN COVERAGE</p>	<p>.....10..... 2105 ----- 43 [T] ----- 0150 ----- 40 ----- 60.....60.....</p>
<p>32 DSN COVERAGE</p>	<p>.....40..... ----- 40 ----- 0130 ----- 45 [D] ----- 0625 ----- 40 ----- </p>
<p>S/C 32 INITIAL CONDITIONS RTLT: 23h 38m 20s CCSL: B138 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON</p>	<p>1200 RTLT 23h 38m 28s 0000 RTLT 23h 38m 34s</p> <p>0149 PLSCAL - 0332 0149 - - - MAGCAL - - - 0452 0149 - - - - PESCAL - - - - 0509</p>
<p>FDS MODE XB DATA RATE(MI)</p>	<p>CR-5T 160(32)</p>
<p>VGR COVERAGE</p>	<p>ON CALL</p>
<p>NOTES</p>	<p>[1] S/C 31=GS-4B @ 0032 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	
<p>UTC: DEC 11</p>	<p>DEC 12</p>

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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
WEDNESDAY
DECEMBER 12, 2007
346-347 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: 29h 15m 44s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLTL 29h 15m 48s 0000 RTLTL 29h 15m 52s

TLC (SHORT-FORM) D/L 0608

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE

1815 15 [D] 0000

32 DSN COVERAGE

2350 43 [B] 0615

S/C 32
INITIAL CONDITIONS
RTLTL: 23h 38m 34s
CCSL: B138
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLTL 23h 38m 42s 0000 RTLTL 23h 38m 50s

0112 DUMMY (5 MIN BRACKETED 00:51)

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

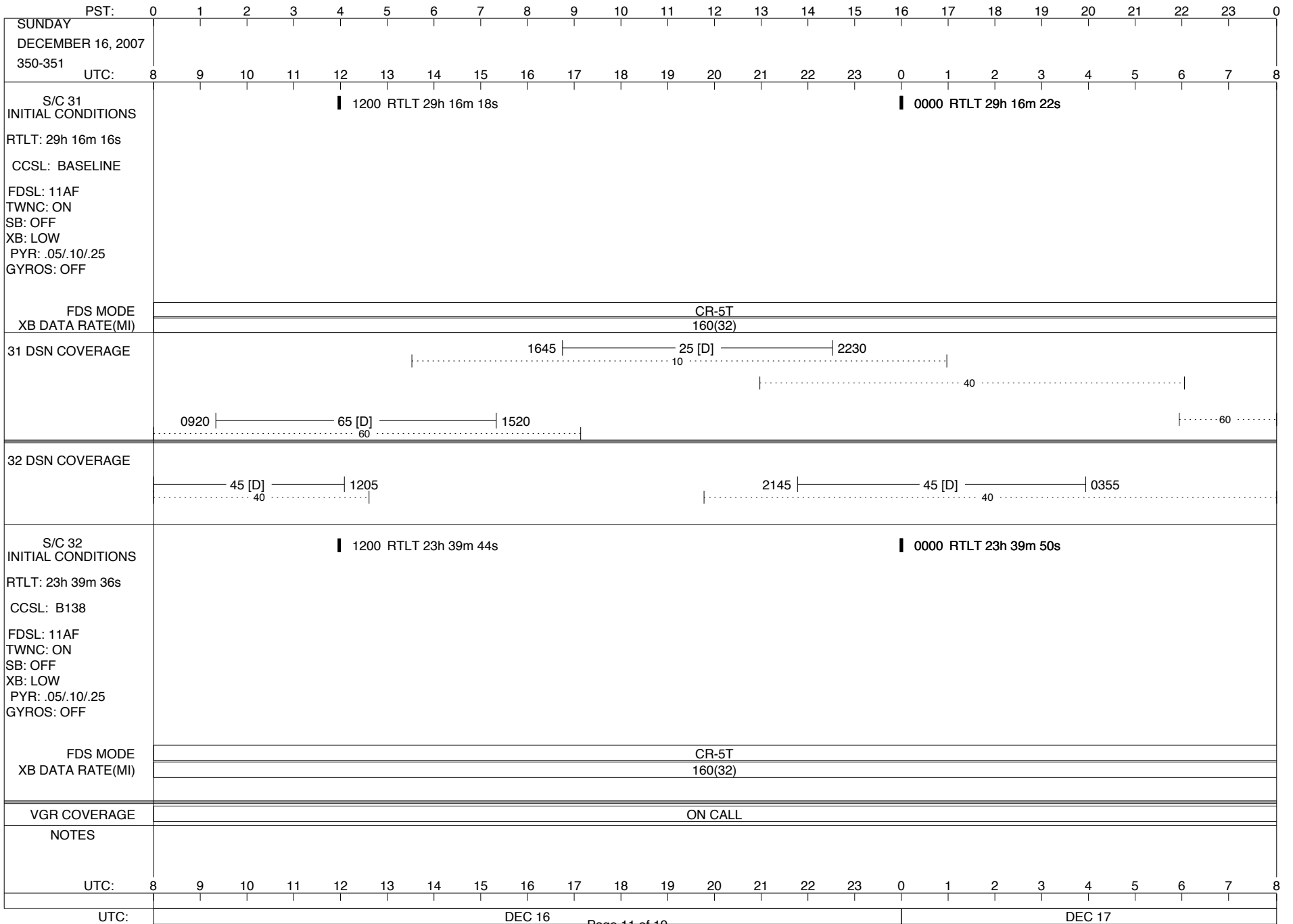
UTC: DEC 12 Page 7 of 19 DEC 13

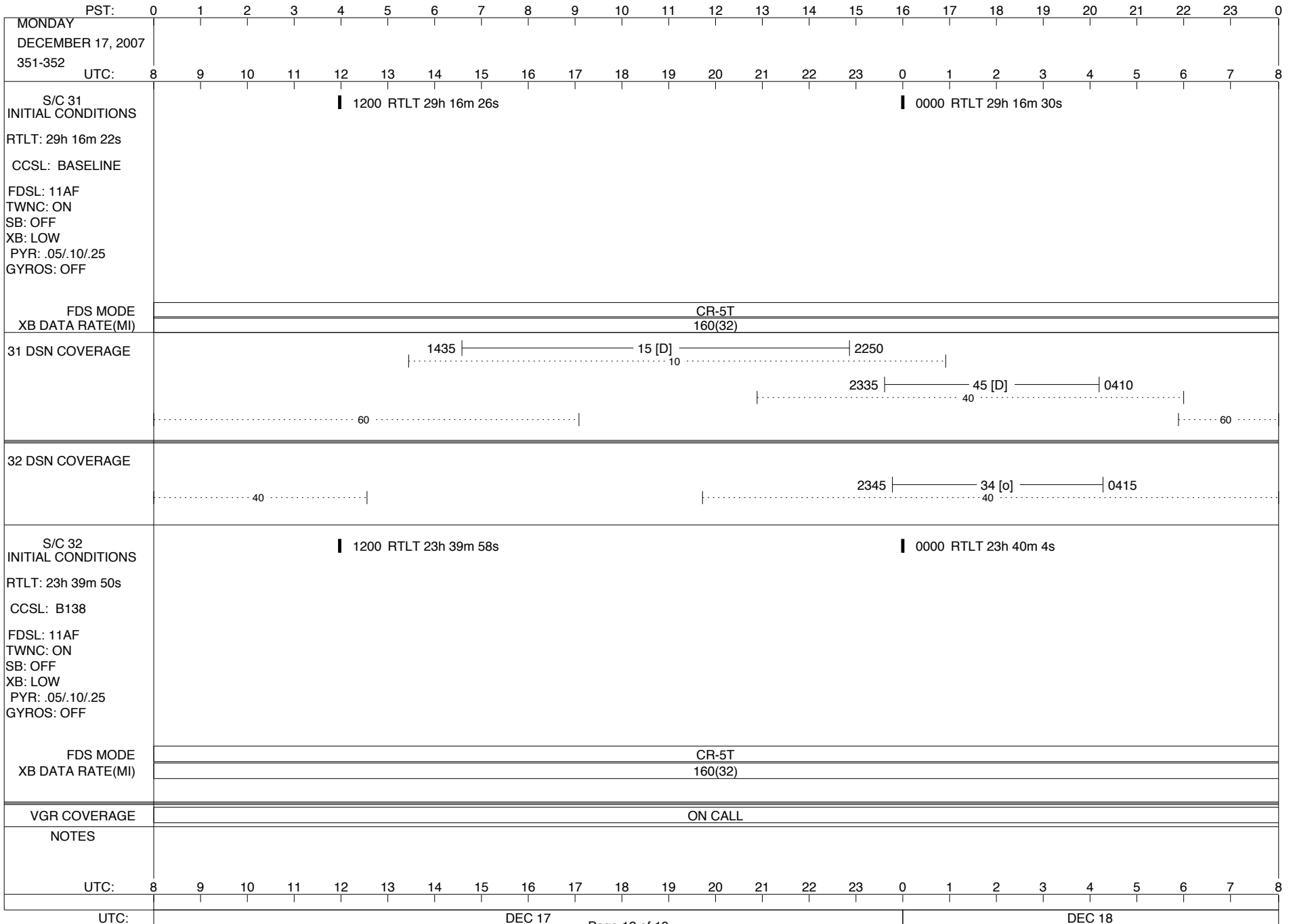
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THURSDAY DECEMBER 13, 2007 347-348																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLT: 29h 15m 52s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 29h 15m 56s														0000 RTLT 29h 16m 0s													
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
31 DSN COVERAGE	<p>1210 ----- 65 [D] ----- 1600</p> <p>2255 ----- 45 [D] ----- 0405</p> <p>65 [D] 0745 ----- 60 ----- </p>																											
32 DSN COVERAGE	<p>0840 ----- 40 ----- </p> <p>0000 ----- 43 [D] ----- </p>																											
S/C 32 INITIAL CONDITIONS RTLT: 23h 38m 50s CCSL: B138 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 23h 38m 58s														0000 RTLT 23h 39m 6s													
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
VGR COVERAGE	ON CALL														VGR													
NOTES	[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0154-0749)																											
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 13														DEC 14													

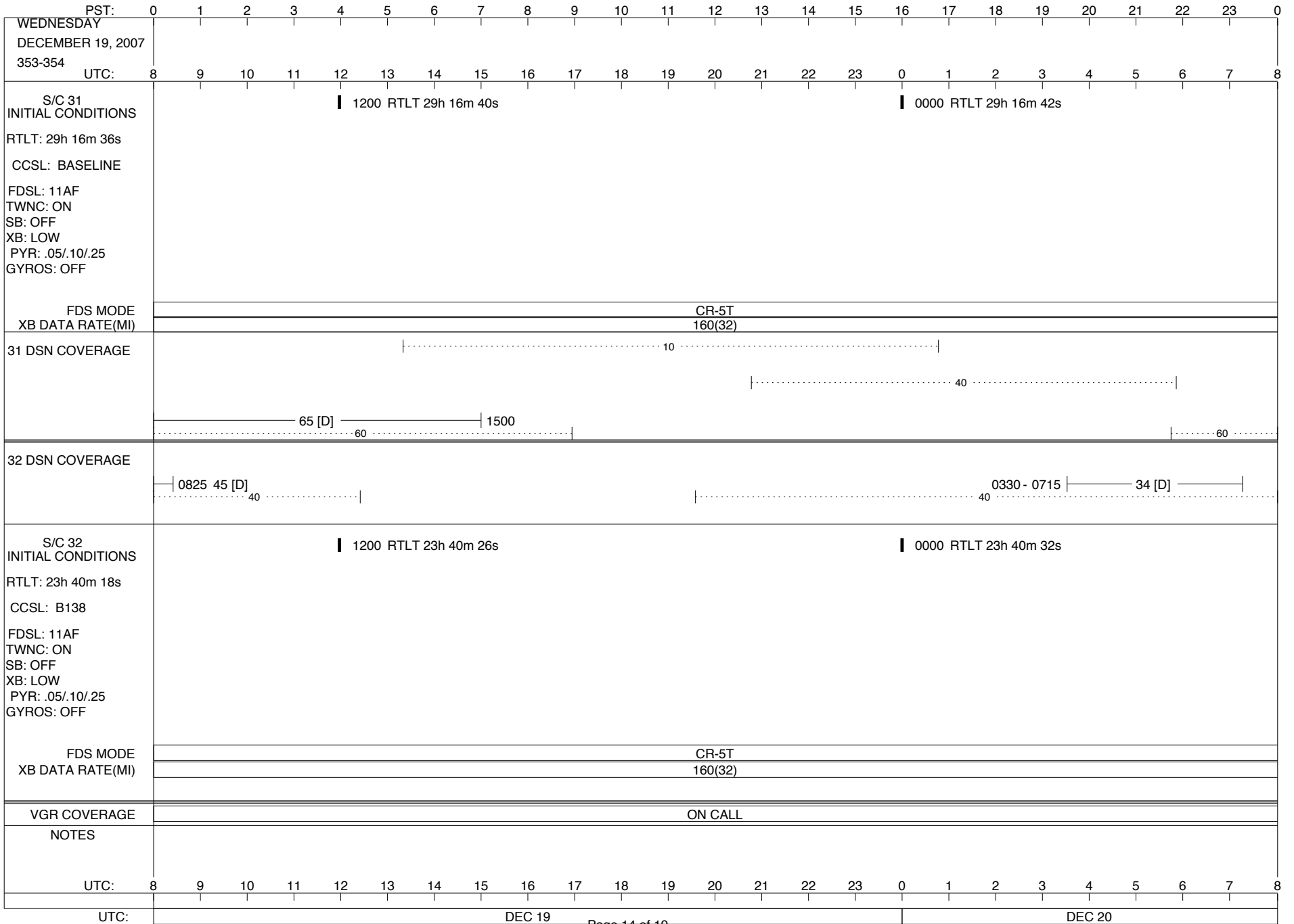
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FRIDAY DECEMBER 14, 2007 348-349	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 29h 16m 0s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 29h 16m 4s												0000 RTLTL 29h 16m 8s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	65 [D] 1550												65 [D] 0745												
32 DSN COVERAGE	43 [D] 0910												2110 45 [D] 0540												
S/C 32 INITIAL CONDITIONS RTLTL: 23h 39m 6s CCSL: B138 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 23h 39m 14s												0000 RTLTL 23h 39m 20s												
	----- COMMAND MORATORIUM -----																								
	0805 X/B LOW POWER												0809 BAY 1 HTR ON												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	VGR												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0632 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 14												DEC 15												

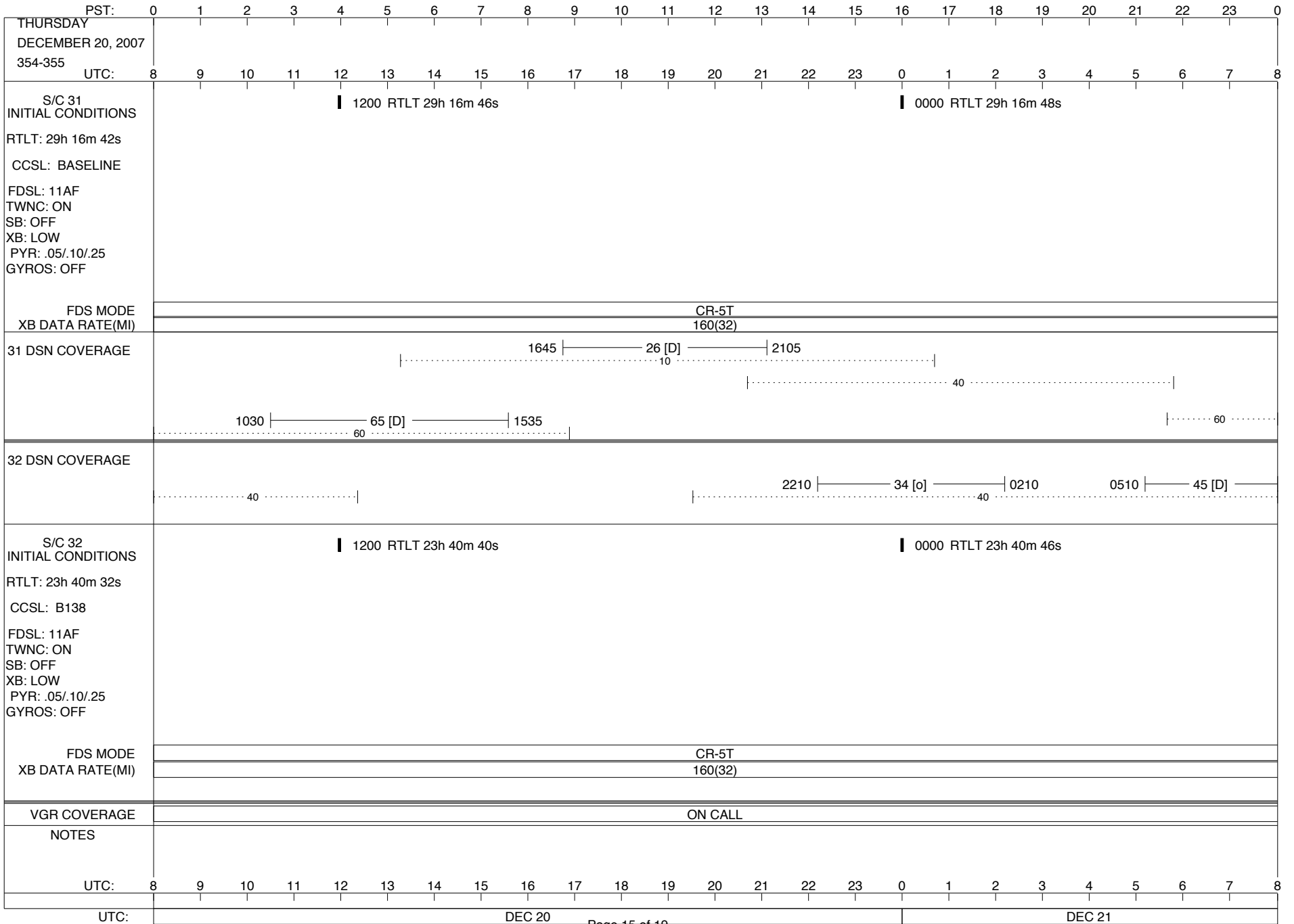
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SATURDAY DECEMBER 15, 2007 349-350	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 29h 16m 8s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 29h 16m 12s												█ 0000 RTLT 29h 16m 16s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	----- 10												----- 40												
	65 [D] ----- 1530												----- 60												
32 DSN COVERAGE	----- 40												2030 ----- 45 [D] ----- 40												
S/C 32 INITIAL CONDITIONS RTLT: 23h 39m 20s CCSL: B138 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 23h 39m 28s												█ 0000 RTLT 23h 39m 36s												
	-- 0830 COMMAND MORATORIUM																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												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 15												DEC 16												





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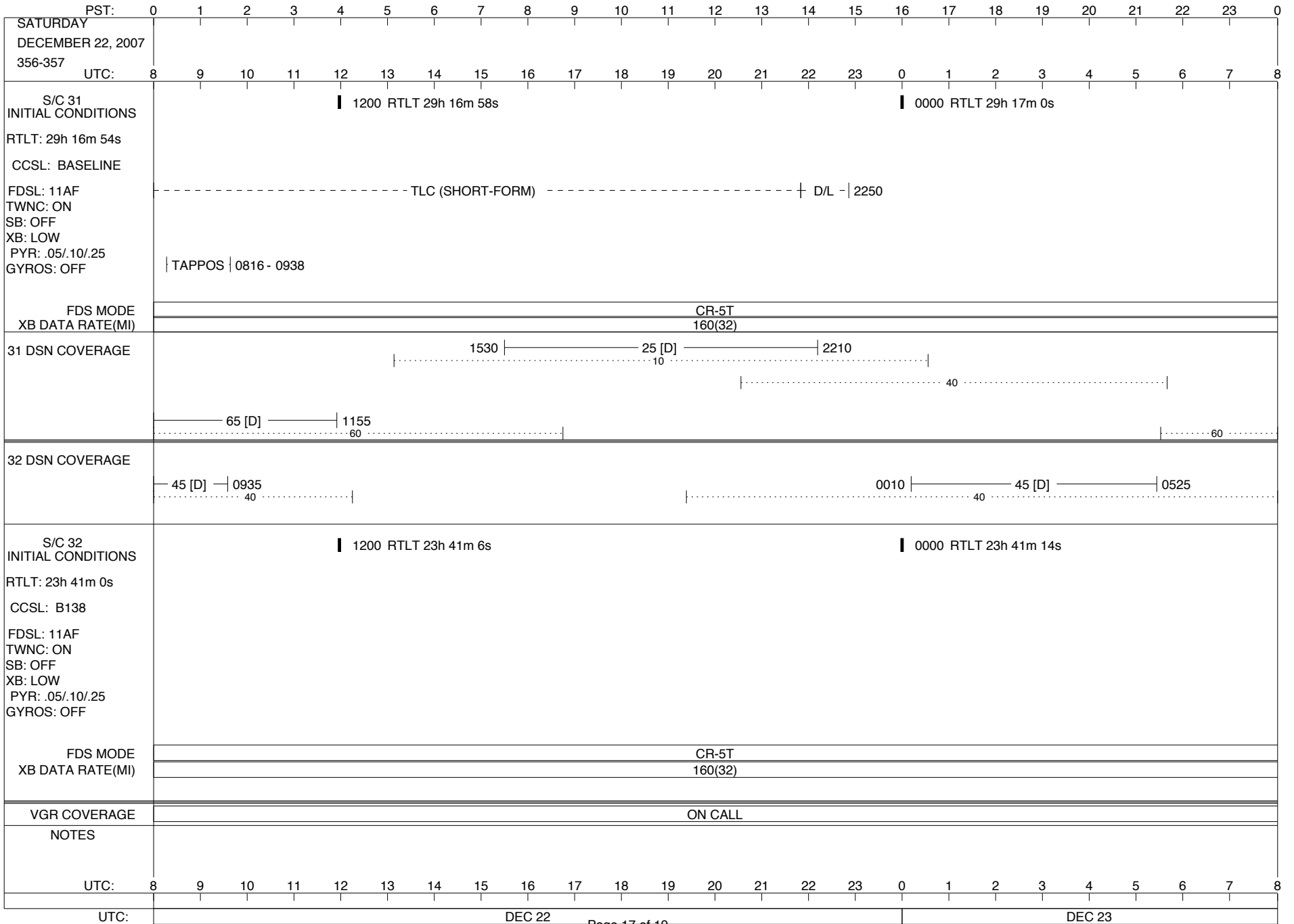




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FRIDAY DECEMBER 21, 2007 355-356																													
UTC:		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLTL: 29h 16m 48s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLTL 29h 16m 52s														0000 RTLTL 29h 16m 54s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
31 DSN COVERAGE		<p>1530 ----- 14 [T] ----- 2030</p> <p>..... ----- 10 ----- 40 ----- </p> <p>..... ----- 60 ----- 65 [D] 0715 ----- </p> <p>..... ----- 60</p>																											
32 DSN COVERAGE		<p> ----- 0815 45 [D] ----- 40 ----- 0045 ----- 45 [D] ----- </p> <p>..... ----- 40 ----- 40</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 23h 40m 46s CCSL: B138 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLTL 23h 40m 54s														0000 RTLTL 23h 41m 0s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
VGR COVERAGE		ON CALL																											
NOTES		[1] S/C 31=GS-4B @ 0609 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 21														DEC 22															

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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 DECEMBER 24, 2007 358-359																											
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: 29h 17m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 29h 17m 8s</p> </div>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>1000 -----65 [D]----- 1430 1515 -----14 [D]----- 1915</p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>1000 -----40 [D]----- 1400</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 23h 41m 26s CCSL: B138 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 23h 41m 32s</p> </div>																										
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 24													DEC 25													