

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: August 26, 2009

For the Period: 08/27/09 to 09/14/09 (09-239 – 09-257)

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SCIENCE

FLIGHT TEAM (15) 600-100

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- *Leonard.F.Burlaga@nasa.gov
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- Howard, S. (3)
- Ludwig, R. (2)
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- Matsumoto, S.
- Medina, E.
- Peralta, F.
- Poynter, R.
- Weeks, T.
- Wong, R.
- Yang, L
- Zottarelli, L.

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OTHER

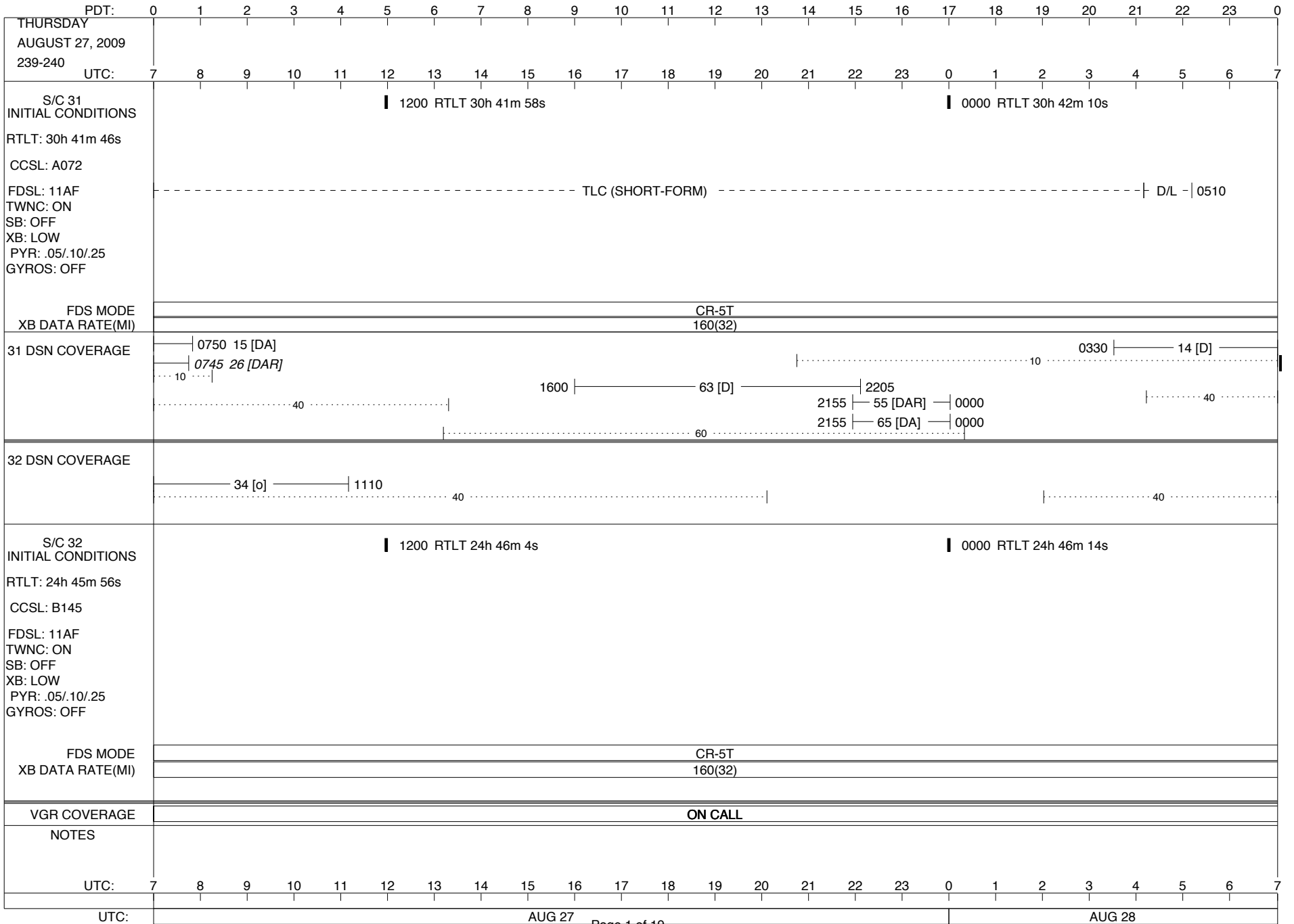
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LEGEND:

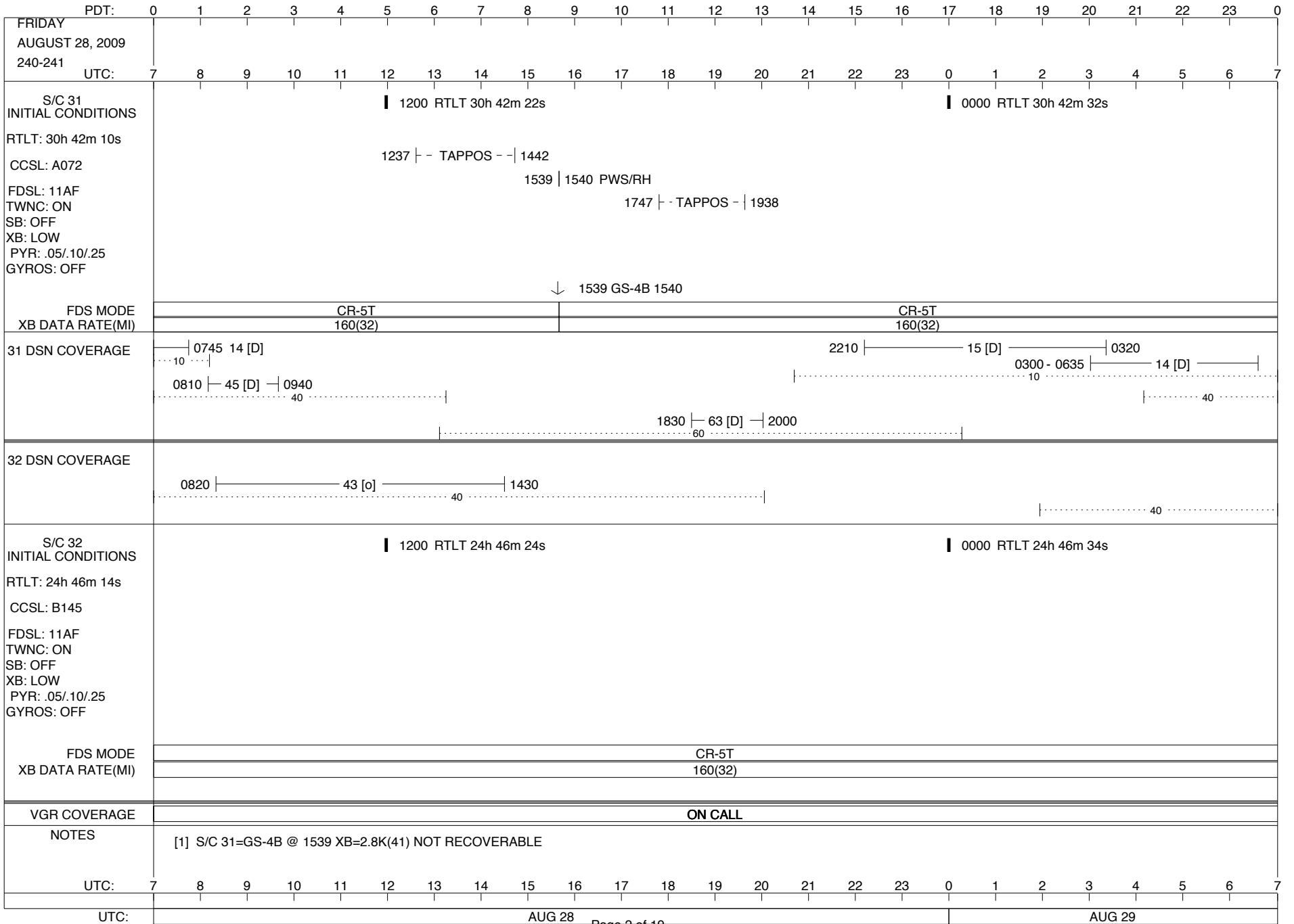
- ∇ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = 7-Point BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink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

*Electronic Copy Only
(17 – Dist/N: Paper Copies)
04/02/09

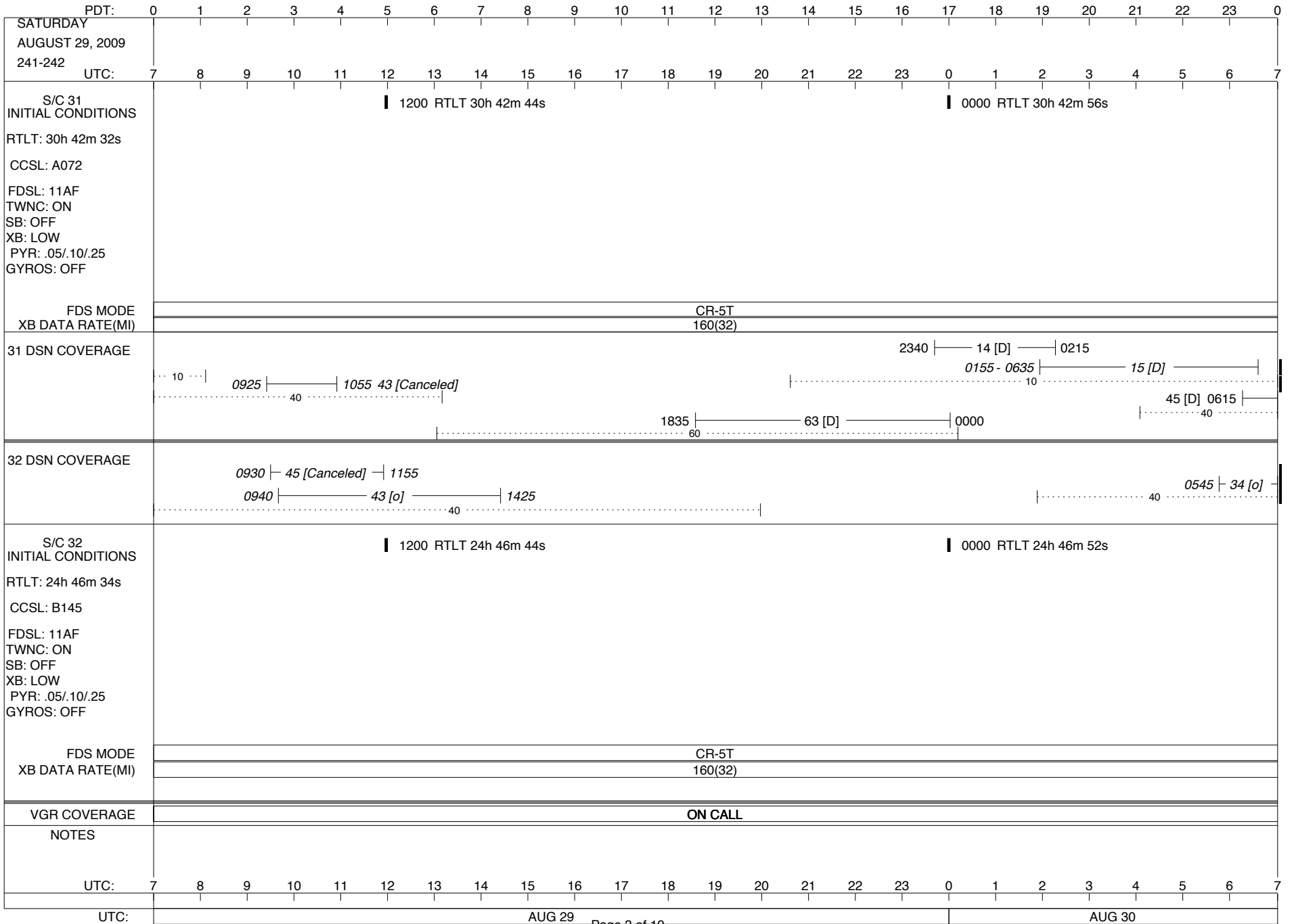
ISSUE DATE: 09/02/09 19:33



ISSUE DATE: 09/02/09 19:33



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SUNDAY AUGUST 30, 2009 242-243	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 30h 42m 56s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 30h 43m 8s												0000 RTLTL 30h 43m 20s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	10 45 [D] 1100 40 1835 60 63 [D] 0000												2340 15 [D] 0250 10 0245 14 [D] 40												
32 DSN COVERAGE	34 [o] 40 1555												0255 43 [H]												
S/C 32 INITIAL CONDITIONS RTLTL: 24h 46m 52s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 24h 47m 2s												0000 RTLTL 24h 47m 12s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												DUMMY (06:27) 0540 ▼ EL-40 (06:43) 0555 ▼ HPOINT 2 (07:04) 0617 ▼ CCSMRO MINI-SEQUENCE (07:24) 0636 ▼ CR-5T (07:39) 0652 ▼												
VGR COVERAGE	ON CALL																				VGR				
NOTES																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
UTC:	AUG 30												AUG 31												

ISSUE DATE: 09/02/09 19:33

PDT:	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 AUGUST 31, 2009 243-244	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 30h 43m 20s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 43m 32s												0000 RTLT 30h 43m 44s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
31 DSN COVERAGE	0750 14 [D] 10 40												0135 15 [DA] 26 [DAR] 0610 10 1800 63 [D] 2355 60													
32 DSN COVERAGE	43 [H] 1420 40												34 [D] 0605 40													
S/C 32 INITIAL CONDITIONS RTLT: 24h 47m 12s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 47m 22s												0000 RTLT 24h 47m 32s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												0644 EL-40 *													
VGR COVERAGE	ON CALL												VGR													
NOTES	[1] S/C 32=EL-40 @ 0643 XB=40(30)																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
UTC:	AUG 31														SEP 01											

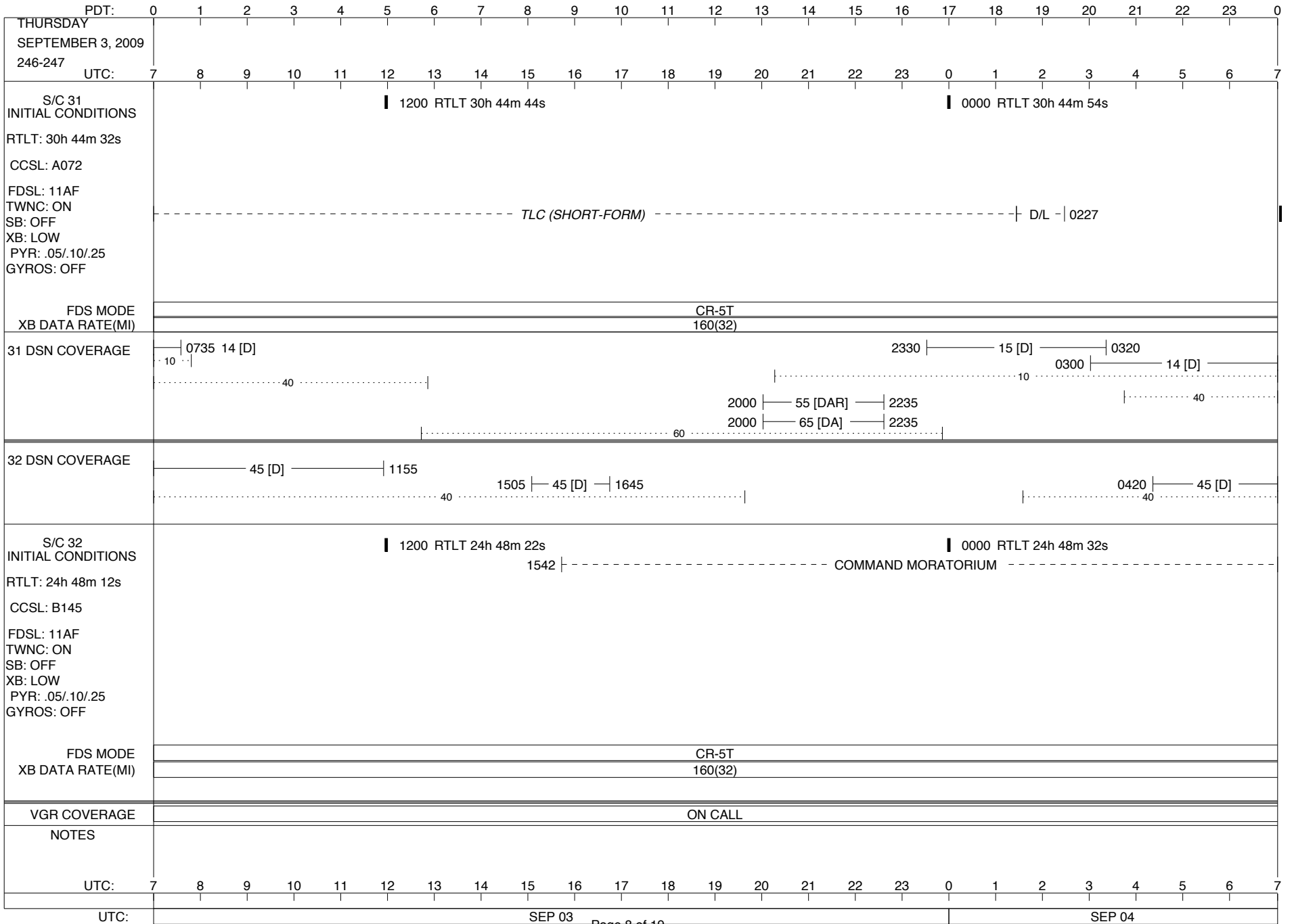
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TUESDAY																													
SEPTEMBER 1, 2009																													
244-245																													
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS		1200 RTLT 30h 43m 56s														0000 RTLT 30h 44m 8s													
RTLTL: 30h 43m 44s																													
CCSL: A072		0916 0917 PWS/RH																											
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																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS		1200 RTLT 24h 47m 42s														0000 RTLT 24h 47m 52s													
RTLTL: 24h 47m 32s		* 0727 - 0732 HPOINTS UPD 2 & CCS MRO MINI-SEQUENCE CHKSUM - ECR 108641																											
CCSL: B145		▼ 1315 EL-40 (14:02) ▼ 1335 TLMPRG (14:22) - ECR 108662 ▼ 1355 CR-5T (14:42)																											
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							VGR							ON CALL						
NOTES		[1] S/C 32=CR-5T @ 0740 XB=160(32) [2] S/C 31=GS-4B @ 0916 XB=2.8K(41) NOT RECOVERABLE																											
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
UTC:		SEP 01														SEP 02													

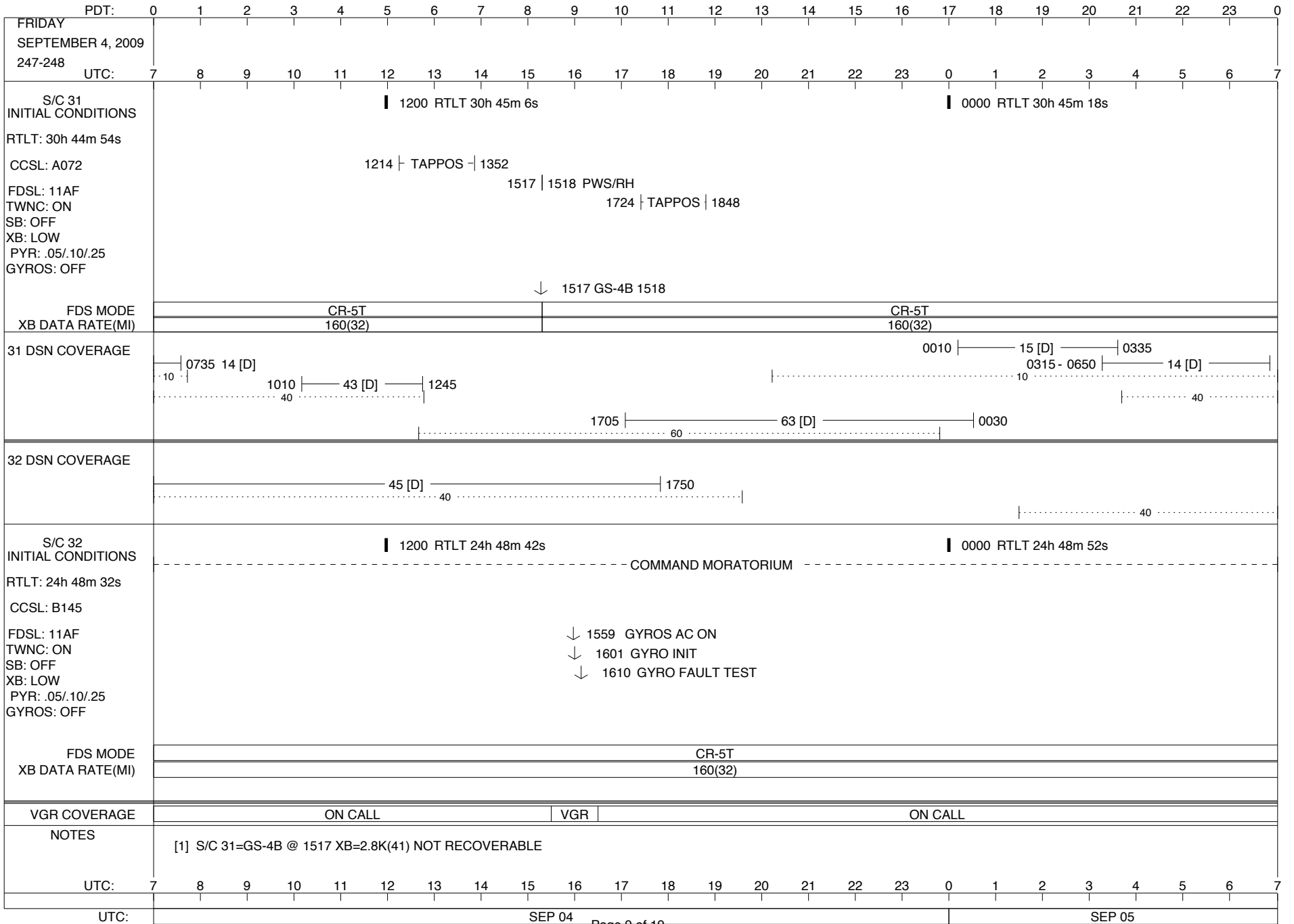
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WEDNESDAY SEPTEMBER 2, 2009 245-246																												
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLTL: 30h 44m 8s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 30h 44m 20s														0000 RTLTL 30h 44m 32s													
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
31 DSN COVERAGE	<p>14 [D] 0810</p> <p>10 </p> <p>40</p> <p>1615 63 [T] 1845</p> <p>60</p> <p>0245 14 [D]</p> <p>10</p> <p>40</p>																											
32 DSN COVERAGE	<p>1250 45 [D] 1820</p> <p>40</p> <p>45 [D] 0630 </p> <p>40</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 24h 47m 52s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 24h 48m 2s														0000 RTLTL 24h 48m 12s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
VGR COVERAGE	ON CALL							VGR							VGR							ON CALL						
NOTES	<p>[1] S/C 32=EL-40 @ 1403 XB=40(30)</p> <p>[2] S/C 32=CR-5T @ 1443 XB=160(32)</p>																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
UTC:	SEP 02														SEP 03													

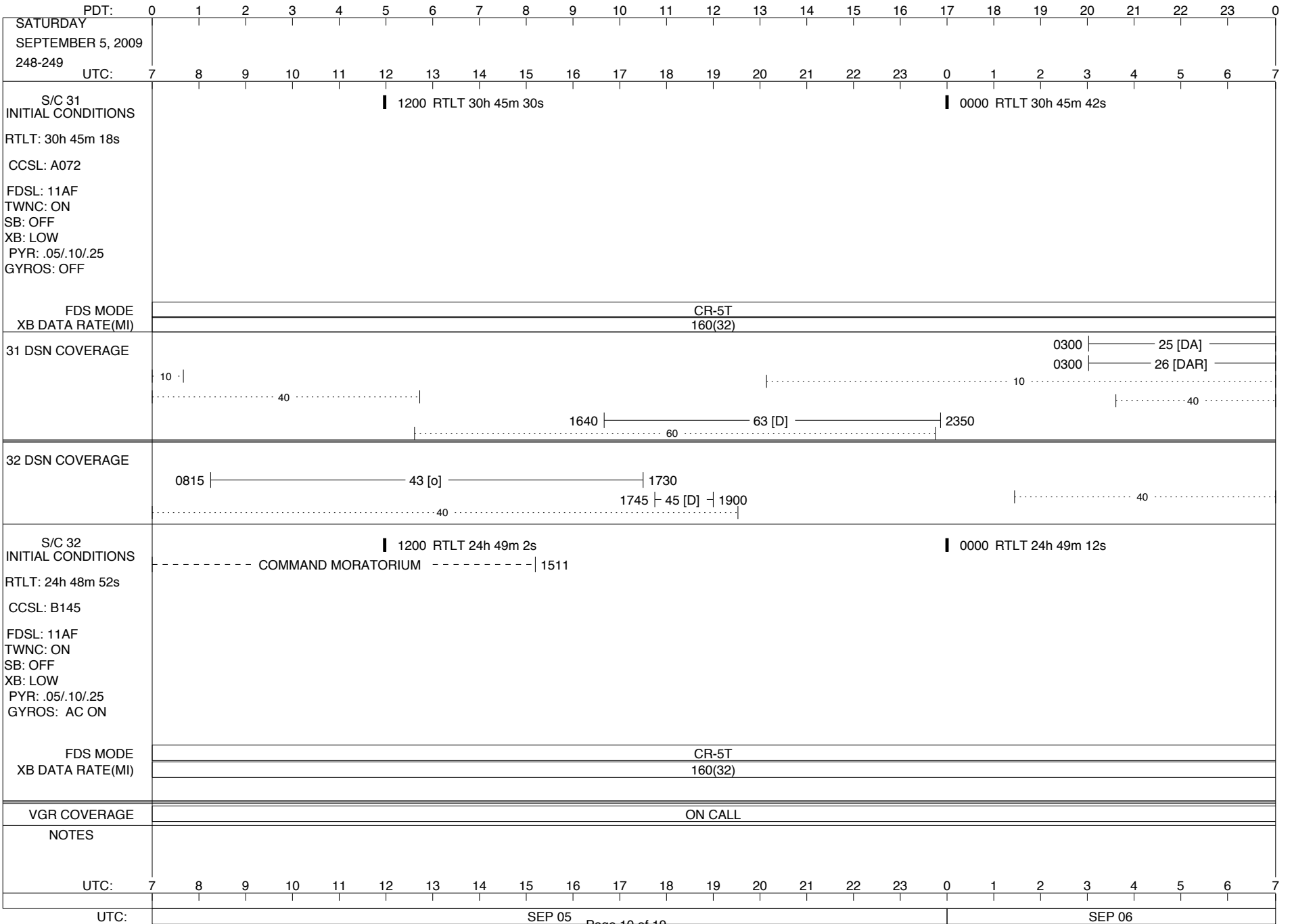
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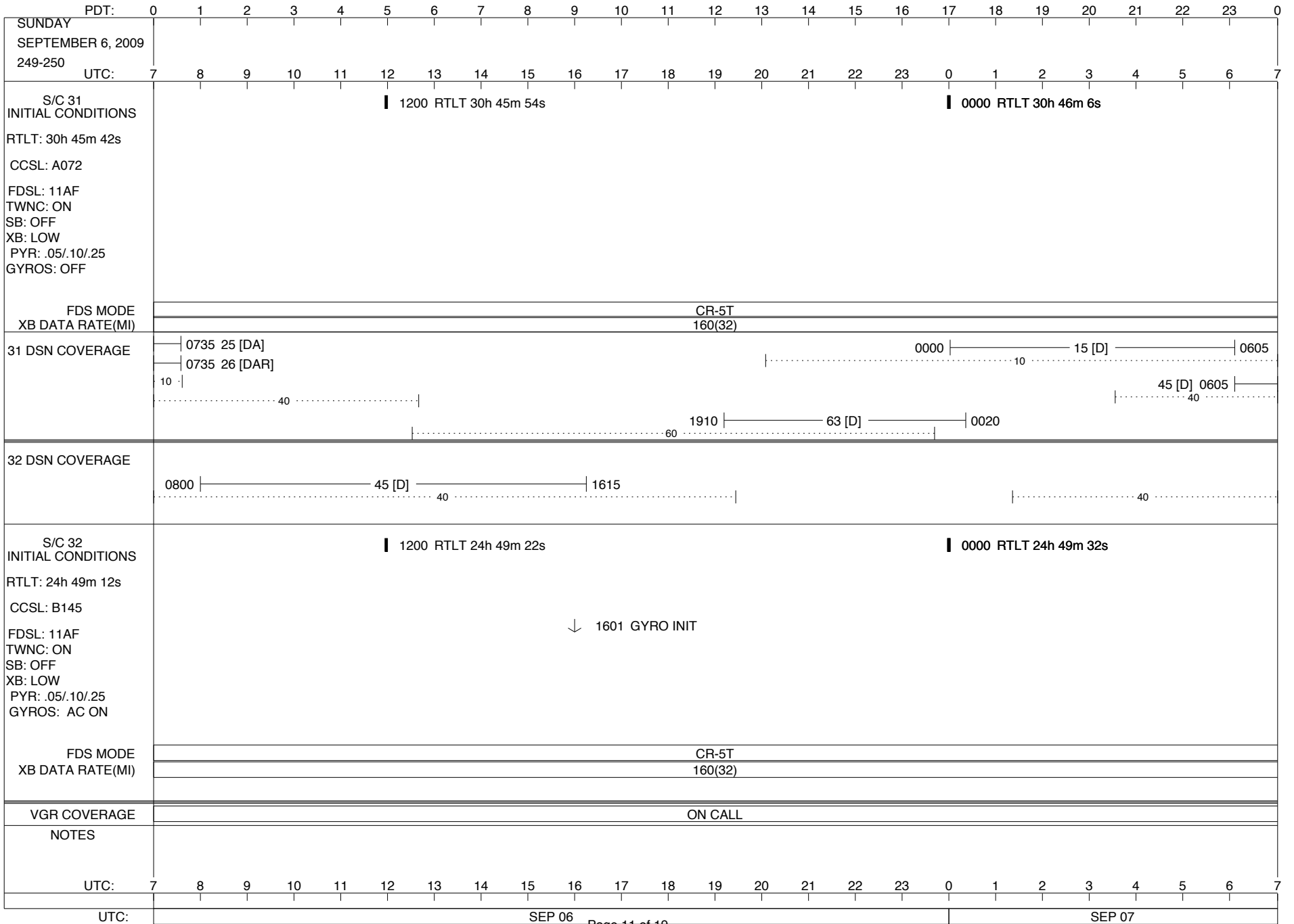


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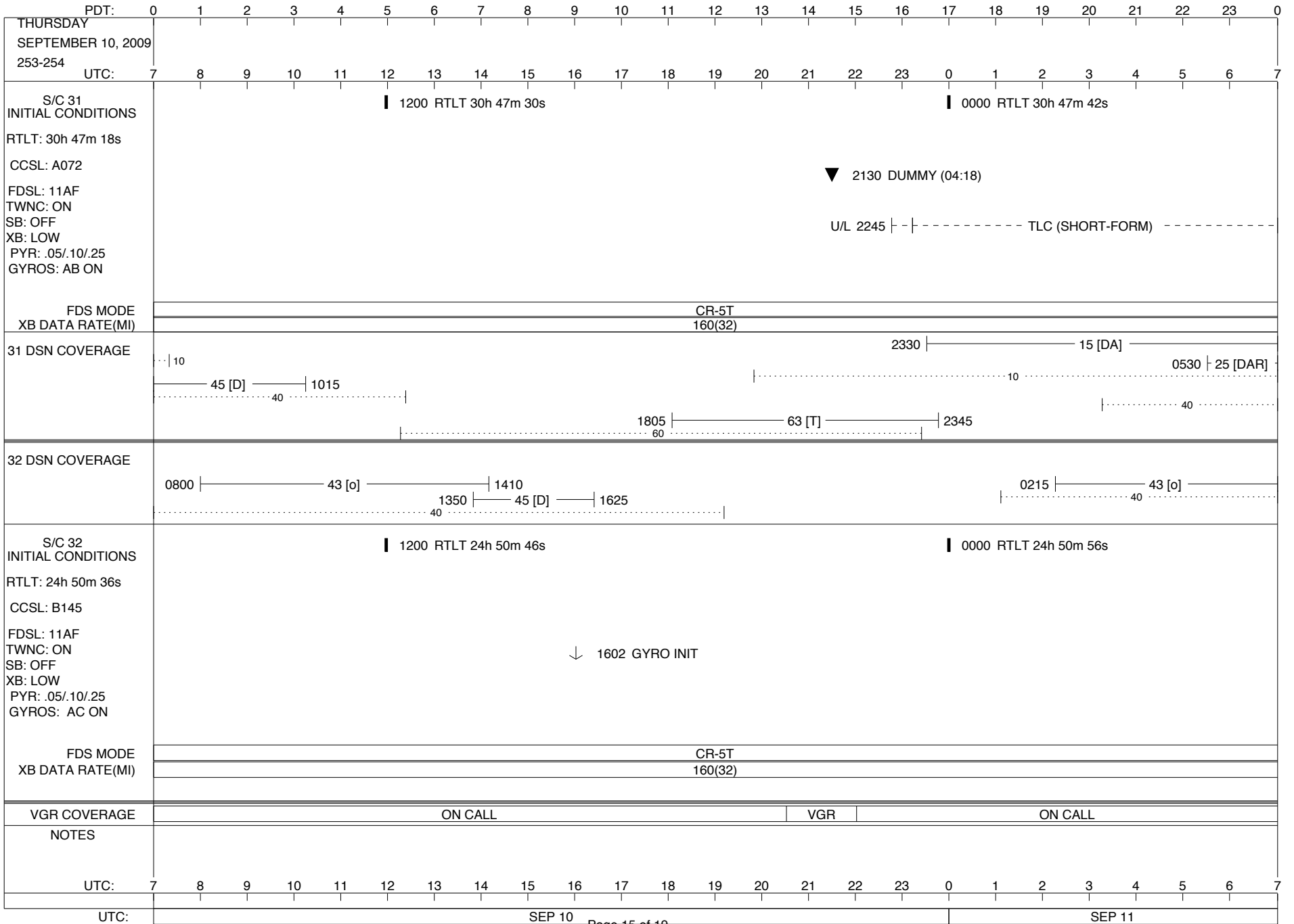
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MONDAY SEPTEMBER 7, 2009 250-251																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS RTLTL: 30h 46m 6s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF																											
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLTL: 24h 49m 32s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON																											
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
VGR COVERAGE														ON CALL													
NOTES	JPL HOLIDAY!																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
UTC:	SEP 07													SEP 08													

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PDT:	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 SEPTEMBER 8, 2009 251-252	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 30h 46m 30s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 30h 46m 42s												0000 RTLTL 30h 46m 54s												
	0853 0854 PWS/RH																								
	↓ 0853 GS-4B 0854																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0740 14 [D]												0135 15 [D] 0250												
	10												0230 - 0650 14 [D]												
	40												10												
													43 [D] 0630												
													40												
													1855 63 [D] 2350												
	60																								
32 DSN COVERAGE	0855 45 [D] 1715																								
	40																								
													40												
S/C 32 INITIAL CONDITIONS RTLTL: 24h 49m 54s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	1200 RTLTL 24h 50m 4s												0000 RTLTL 24h 50m 14s												
	↓ 1602 GYRO INIT																								
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 @ 0853 XB=2.8K(41) NOT RECOVERABLE																								
UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
UTC:	SEP 08												SEP 09												

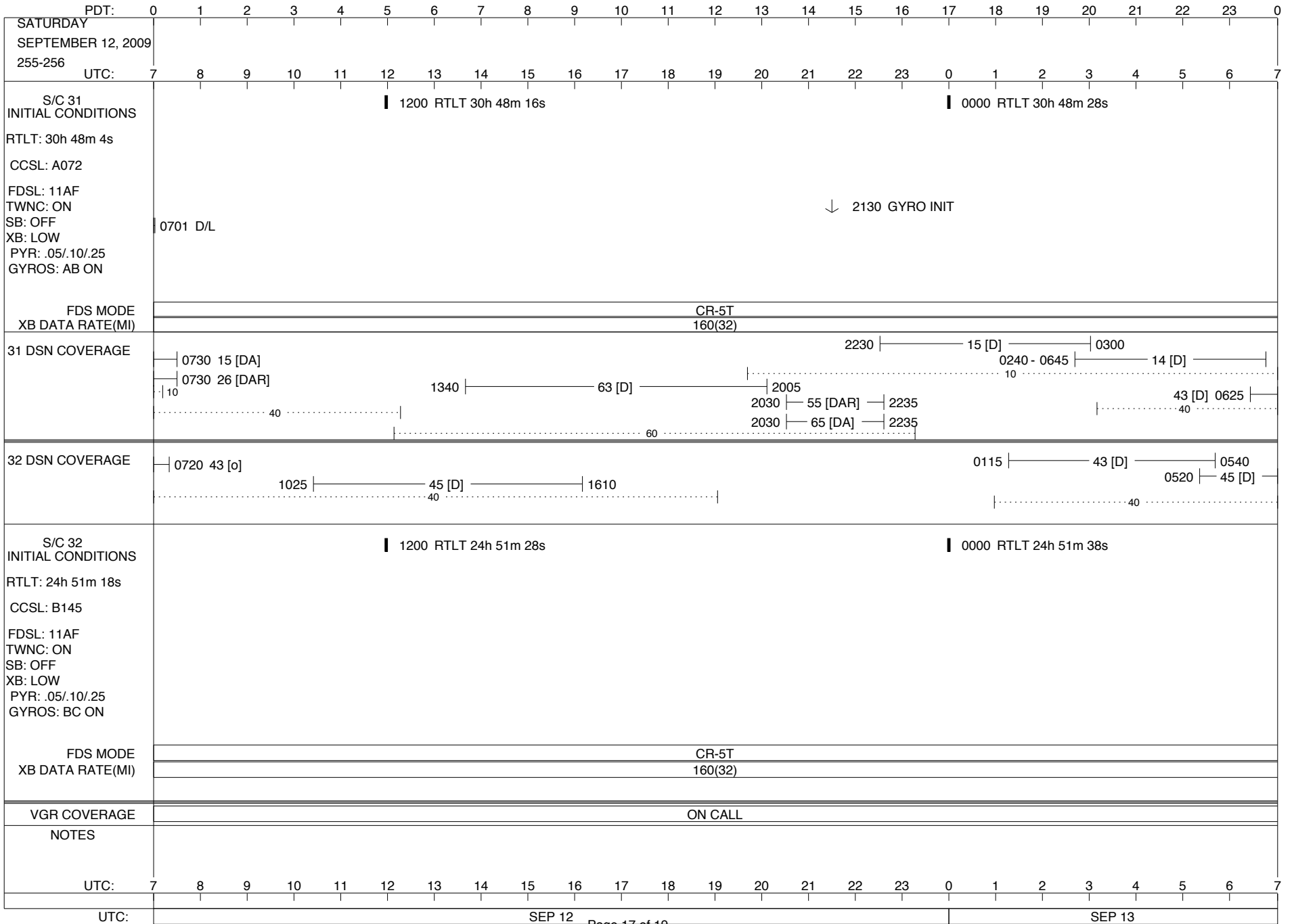
ISSUE DATE: 09/02/09 19:33

PDT: 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 SEPTEMBER 9, 2009 252-253	
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7	
S/C 31 INITIAL CONDITIONS RTLT: 30h 46m 54s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 30h 47m 6s 0000 RTLT 30h 47m 18s ↓ 2129 GYROS AB ON ↓ 2130 GYRO INIT ↓ 2139 GYRO FAULT TEST
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE	0055 ----- 15 [D] ----- 0445 ----- 10 ----- ----- 43 [D] ----- 1245 ----- 40 ----- ----- 1430 ----- 63 [D] ----- 2145 ----- 60 ----- ----- 45 [D] 0630 ----- ----- 40 -----
32 DSN COVERAGE	0800 ----- 34 [o] ----- 1405 ----- 1330 ----- 43 [D] ----- 2000 ----- 40 ----- ----- 40 -----
S/C 32 INITIAL CONDITIONS RTLT: 24h 50m 14s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: AC ON	1200 RTLT 24h 50m 24s 0000 RTLT 24h 50m 36s
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
VGR COVERAGE	ON CALL VGR ON CALL
NOTES	
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7	
UTC: SEP 09 SEP 10	



PDT:	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
FRIDAY SEPTEMBER 11, 2009 254-255																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 30h 47m 42s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AB ON	1200 RTLT 30h 47m 52s												0000 RTLT 30h 48m 4s												
	1152 ----- 1301 TAPPOS												1454 1455 PWS/RH												
													1701 ----- 1757 TAPPOS												
	----- TLC (SHORT-FORM) ----- D/L																								
	↓ 1454 GS-4B 1455																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0725 15 [DA]												0115 ----- 14 [D] ----- 0315												
	0725 25 [DAR]												0255 ----- 15 [DA] -----												
	45 [D] ----- 0705 - 1010												0520 ----- 26 [DAR] -----												
	40												10												
													1745 ----- 63 [D] ----- 2345												
	60												40												
32 DSN COVERAGE	43 [o] ----- 1410												0510 ----- 43 [o] -----												
	40												40												
S/C 32 INITIAL CONDITIONS RTLT: 24h 50m 56s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	1200 RTLT 24h 51m 6s												0000 RTLT 24h 51m 18s												
	↓ 0803 GYRO SWAP BC ON																								
	↓ 0804 GYRO INIT																								
	↓ 0813 GYRO FAULT TEST																								
	0903 0910 CCSTIM(B)																								
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	VGR	ON CALL																							
NOTES	[1] S/C 31=GS-4B @ 1454 XB=2.8K(41) NOT RECOVERABLE																								
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
UTC:	SEP 11												SEP 12												

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PDT:	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 SEPTEMBER 13, 2009 256-257																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 30h 48m 28s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: AB ON																									
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 24h 51m 38s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON																									
FDS MODE XB DATA RATE(MI)																									
VGR COVERAGE																									
NOTES																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
UTC:																									

PDT:	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 SEPTEMBER 14, 2009 257-258																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS RTLT: 30h 48m 52s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AB ON	<p style="text-align: center;">█ 1200 RTLT 30h 49m 4s</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<p>0720 25 [DA] 0720 26 [DAR] 10</p> <p>..... 40 1830 ----- 63 [D] ----- 2340 60</p>																										
32 DSN COVERAGE	<p>----- 45 [D] ----- 1600 40</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 24h 52m 0s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	<p style="text-align: center;">█ 1200 RTLT 24h 52m 10s</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE	ON CALL																										
NOTES																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
UTC:	SEP 14													SEP 15													