

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: June 10, 2009

For the Period: 06/11/09 to 07/06/09 (09-162– 09-187)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (15) 600-100

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 Weeks, T.
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OTHER

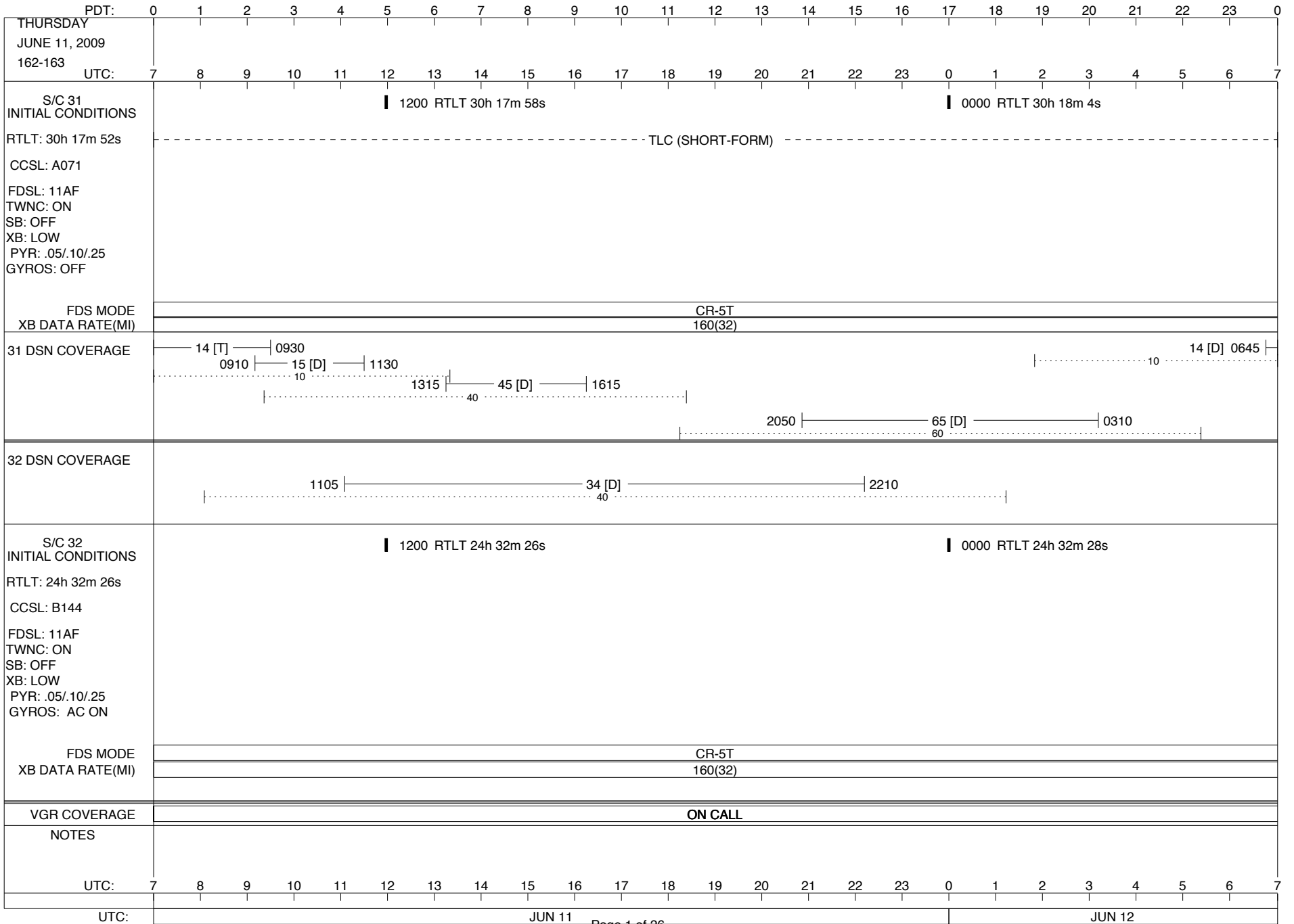
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 * Belinda.Arroyo@jpl.nasa.gov
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LEGEND:

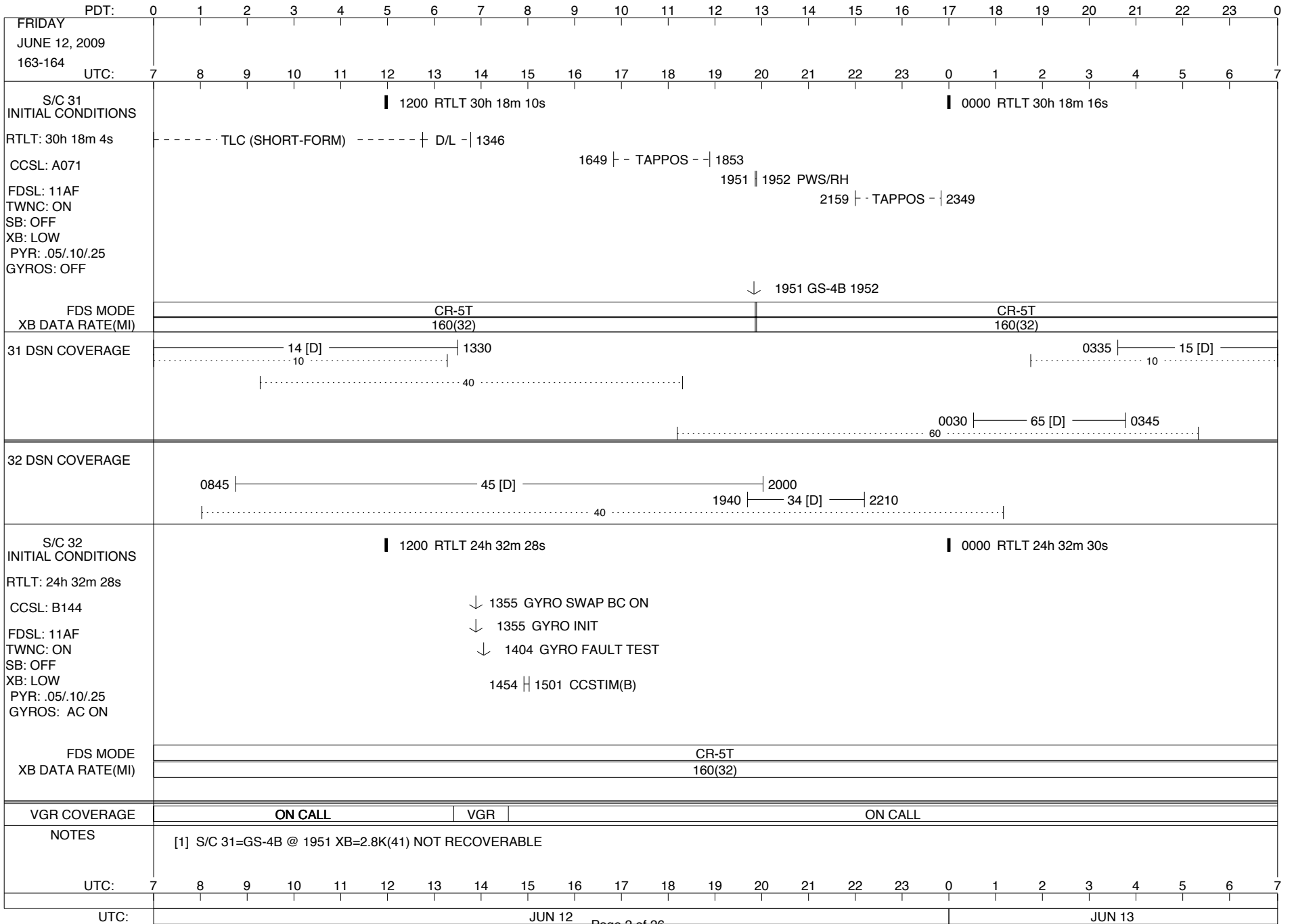
∇ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = 7-Point BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U = Uplink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

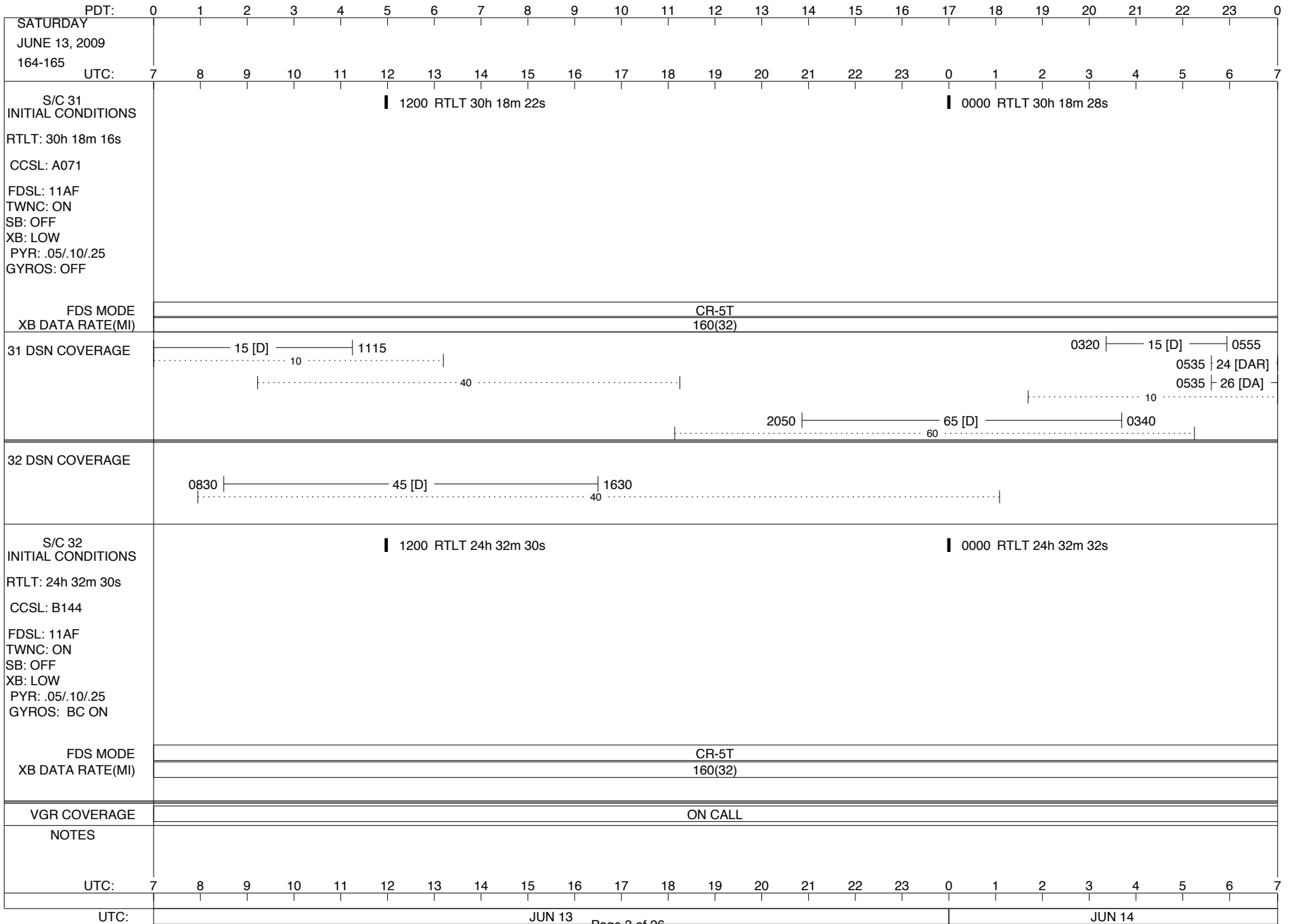
*Electronic Copy Only
 (17 – Dist/N: Paper Copies)
 04/02/09

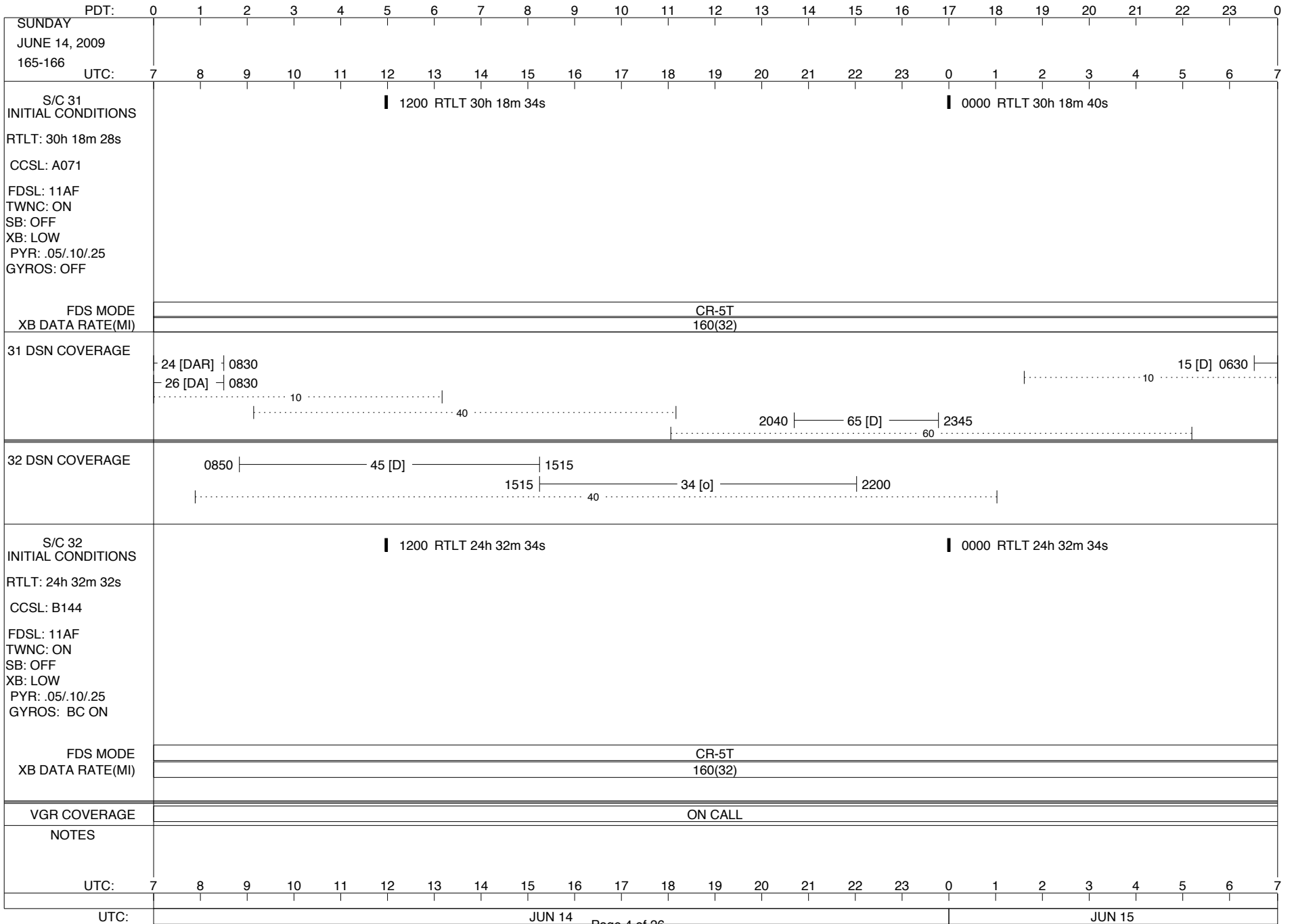
ISSUE DATE: 06/17/09 16:08

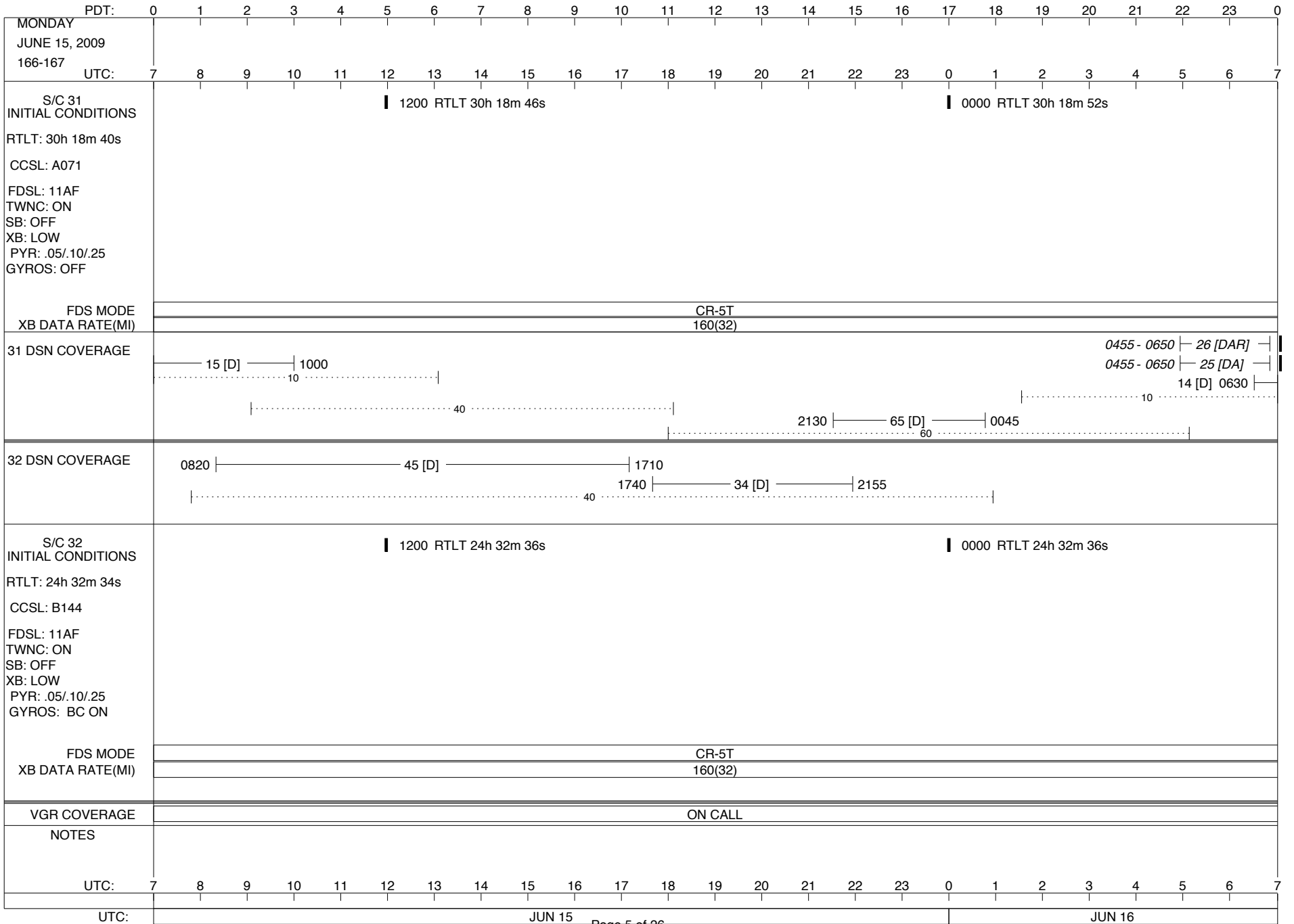


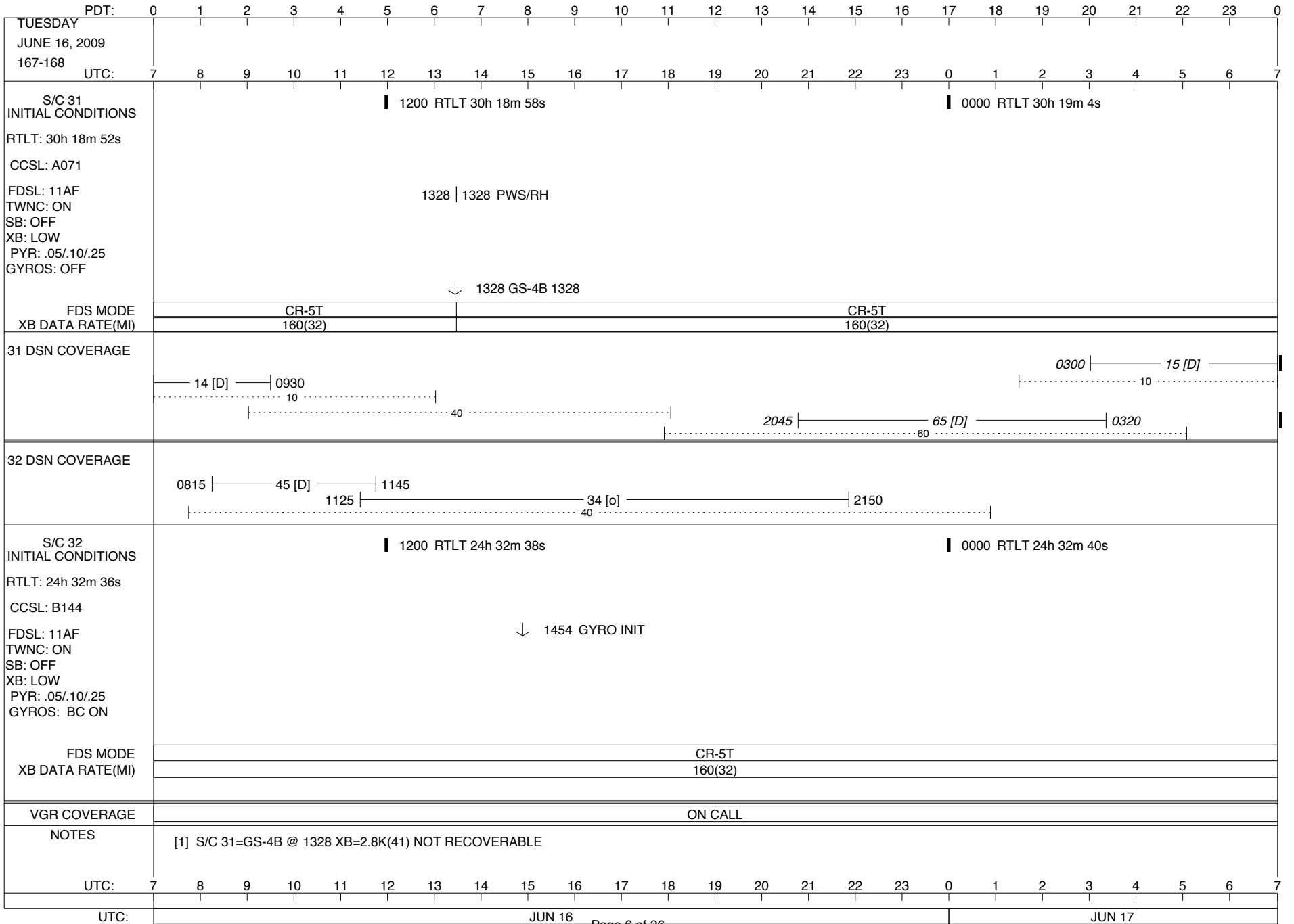
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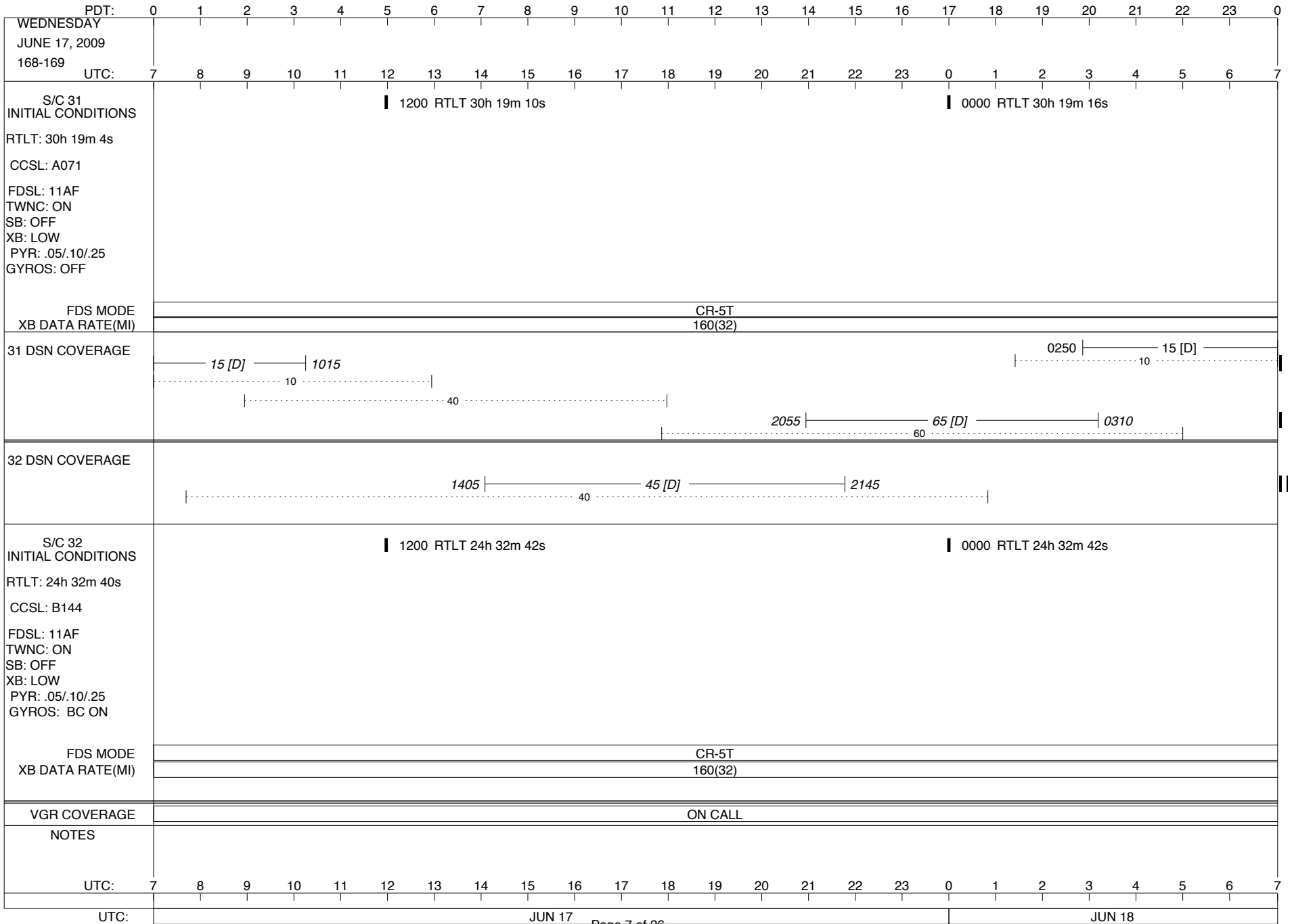










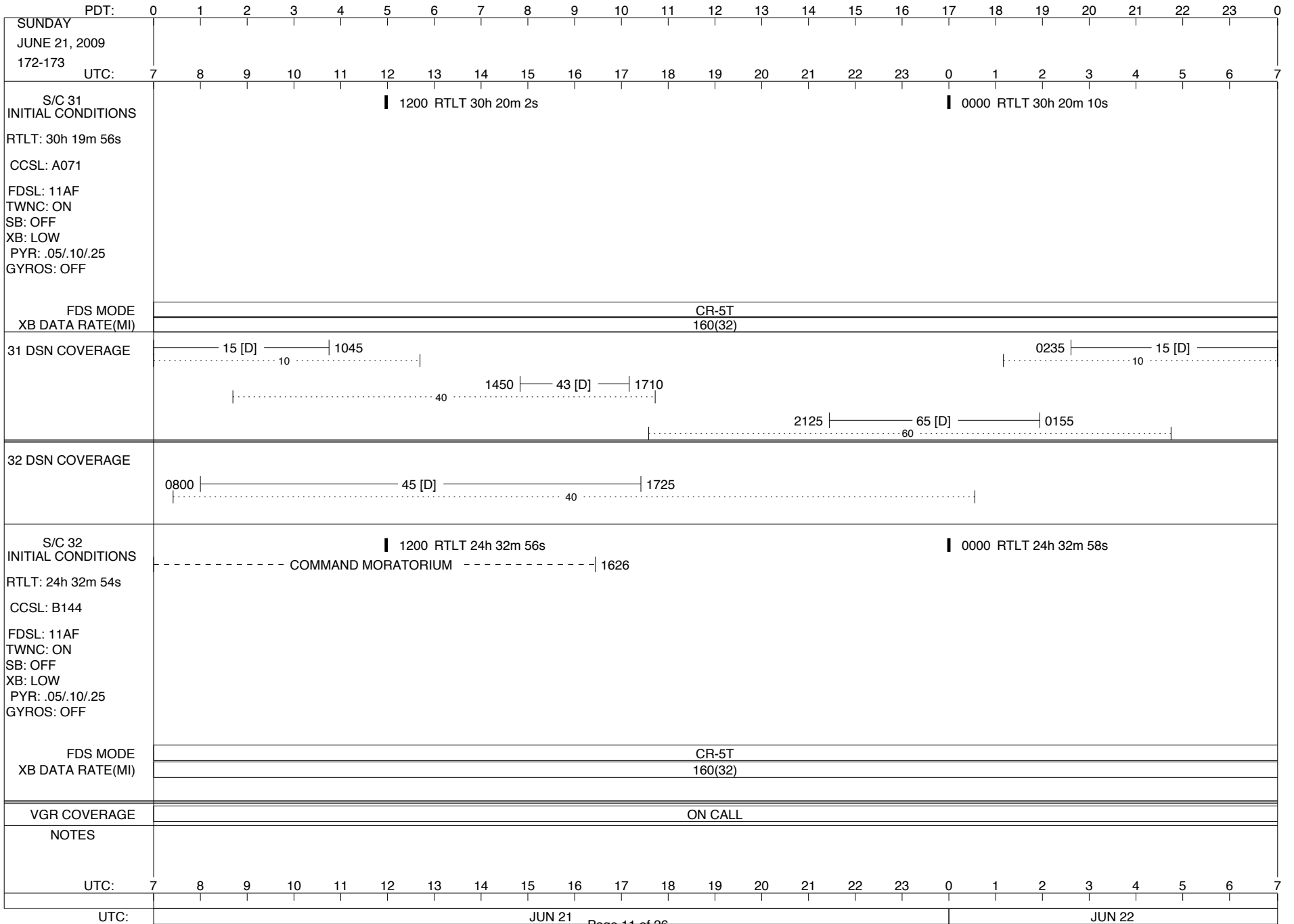


ISSUE DATE: 06/17/09 16:08

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
THURSDAY JUNE 18, 2009 169-170																									
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 19m 16s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200												█ 0000							
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 24h 32m 42s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON						█ 1200												█ 0000							
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:	JUN 18													JUN 19											

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			
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			
FRIDAY JUNE 19, 2009 170-171																													
S/C 31 INITIAL CONDITIONS RTLT: 30h 19m 30s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF FDS MODE XB DATA RATE(MI)		1200 RTLT 30h 19m 36s														0000 RTLT 30h 19m 42s													
		----- TLC (SHORT-FORM) -----																											
		1626 TAPPOS 1802 1928 1929 PWS/RH 2135 TAPPOS 2258 ↓ 1928 GS-4B 1929																											
		CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE		0740 14 [T] 15 [D] 0720 - 1120 1110 45 [D] 1450 2245 65 [D] 0150 0405 15 [D]																											
32 DSN COVERAGE		1105 43 [D] 2230																											
S/C 32 INITIAL CONDITIONS RTLT: 24h 32m 46s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON FDS MODE XB DATA RATE(MI)		1200 RTLT 24h 32m 48s														0000 RTLT 24h 32m 50s													
		----- COMMAND MORATORIUM -----																											
		↓ 1426 BAY 1 HTR OFF ↓ 1430 X/B HI POWER ↓ 1504 AAI 1507 ----- MAGROL ----- 2103 ↓ 2056 RAI ↓ 2103 GYROS OFF ↓ 2103 CRU																											
		CR-5T 160(32)																											
VGR COVERAGE		ON CALL							VGR							ON CALL													
NOTES		[1] S/C 31=GS-4B @ 1928 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32 D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (1507-2103)																											
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:		JUN 19														JUN 20													

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SATURDAY JUNE 20, 2009 171-172	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 19m 42s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 30h 19m 50s												0000 RTLT 30h 19m 56s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	15 [D] 1120 10 40												0240 15 [D] 10 1950 54 [DAR] 2305 1950 55 [DA] 2305 2245 65 [D] 0205 60												
32 DSN COVERAGE	1105 43 [DA] 1620 1515 45 [DAR] 1950 40																								
S/C 32 INITIAL CONDITIONS RTLTL: 24h 32m 50s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	1200 RTLT 24h 32m 52s												0000 RTLT 24h 32m 54s												
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 32=EH-12@1548 XB=1.2K(39) [2] S/C 32-CR-5T@1616 XB=160(32)																								
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:	JUN 20																		JUN 21						

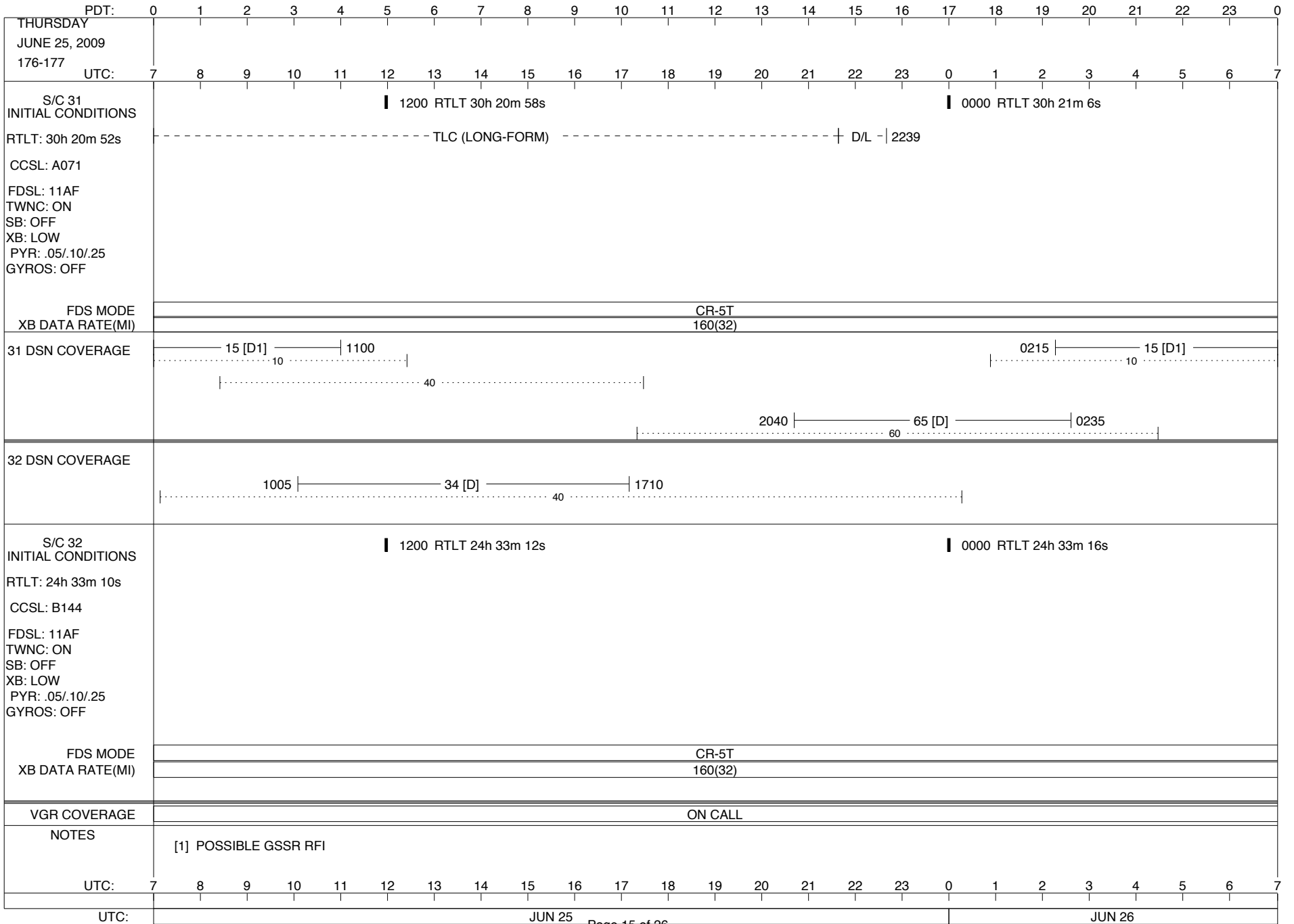


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MONDAY JUNE 22, 2009 173-174	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 30h 20m 10s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 20m 16s												0000 RTLT 30h 20m 24s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	15 [D] 085010..... 1045 -----45 [D]----- 153040.....												0250 -----15 [D1]-----10..... 2315 -----65 [D]----- 031060.....												
32 DSN COVERAGE	1310 -----43 [B]----- 171040..... 1705 -----34 [o]----- 193540.....																								
S/C 32 INITIAL CONDITIONS RTLT: 24h 32m 58s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 33m 0s												0000 RTLT 24h 33m 2s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] POSSIBLE GSSR RFI																								
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:	JUN 22												JUN 23												

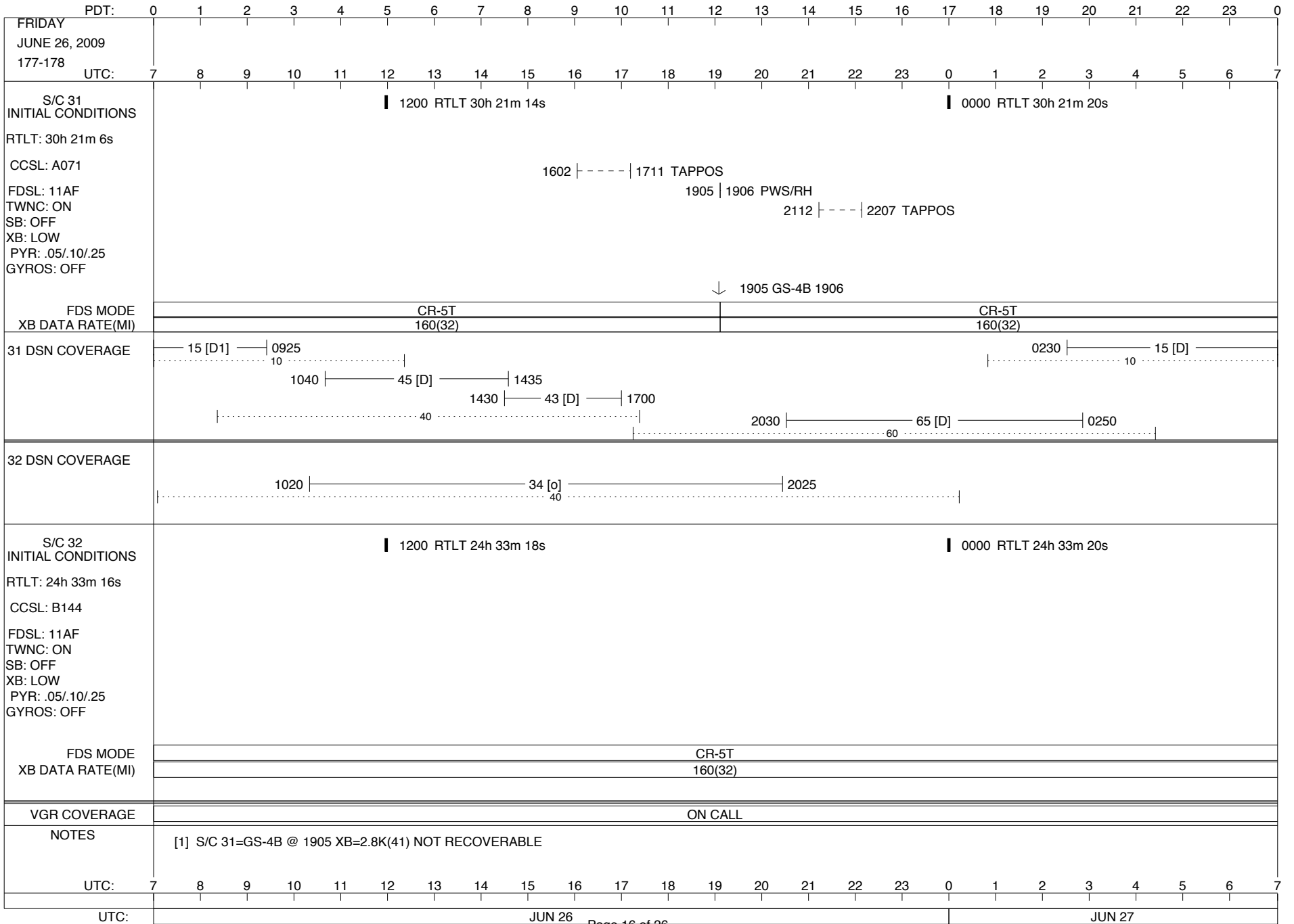
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TUESDAY JUNE 23, 2009 174-175																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 30h 20m 24s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 20m 30s												0000 RTLT 30h 20m 38s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	15 [D1] 0945 40 60												0230 15 [D] 0610 0550 14 [D] 10												
32 DSN COVERAGE	1015 45 [D] 1800 40																								
S/C 32 INITIAL CONDITIONS RTLT: 24h 33m 2s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 33m 4s												0000 RTLT 24h 33m 6s												
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 @ 1304 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:	JUN 23												JUN 24												

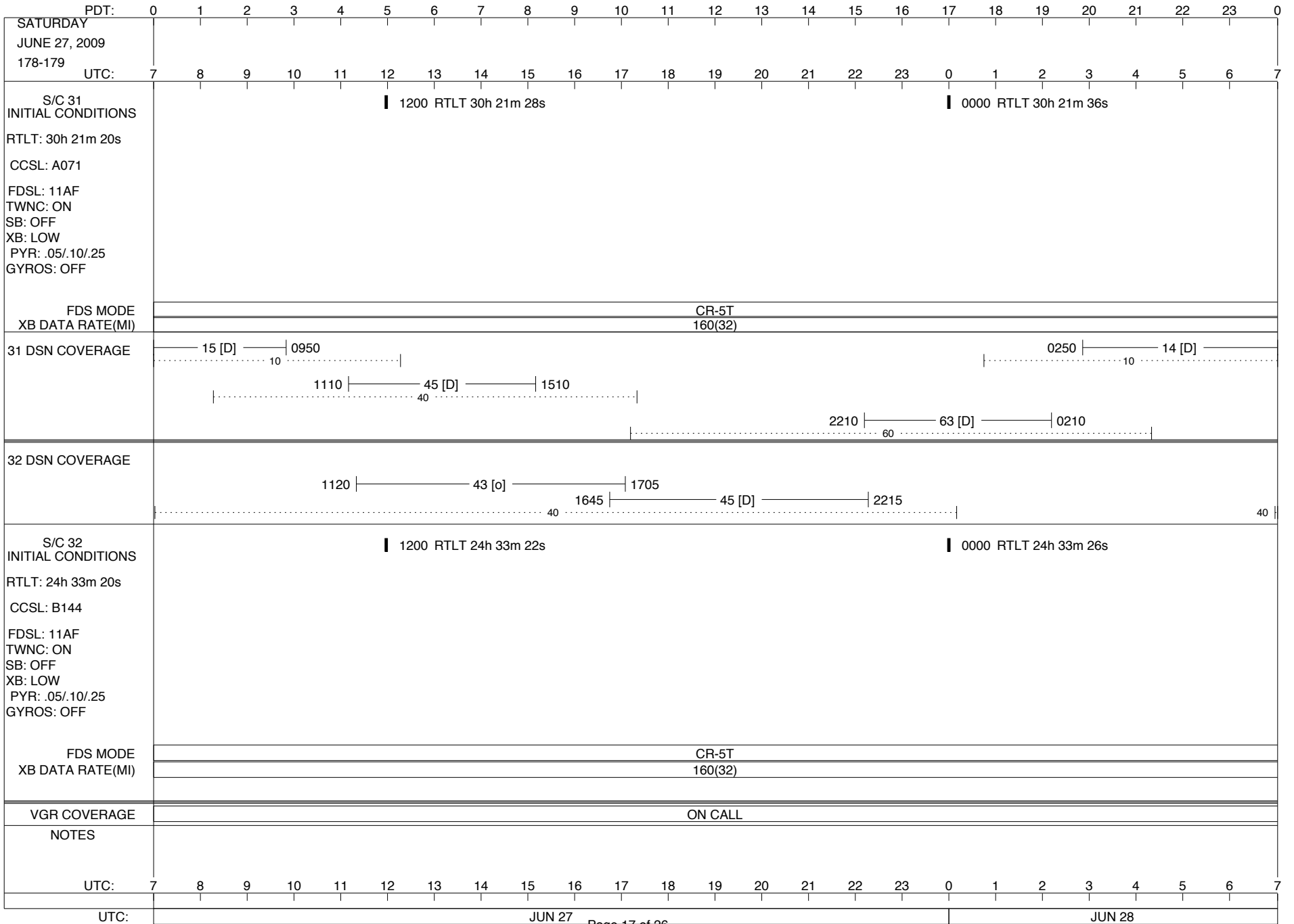
ISSUE DATE: 06/17/09 16:08

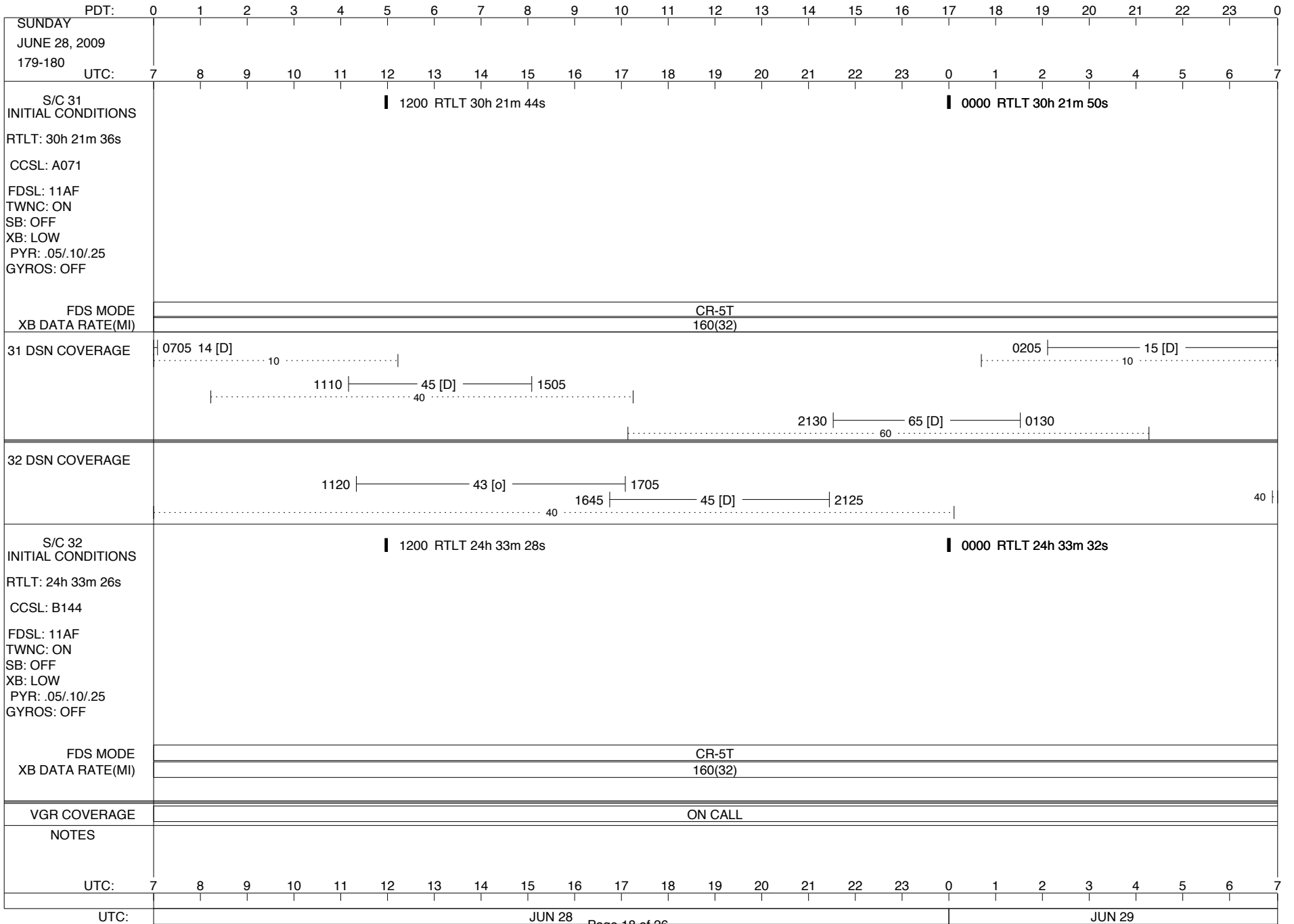
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WEDNESDAY JUNE 24, 2009 175-176																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 30h 20m 38s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 20m 44s												0000 RTLT 30h 20m 52s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 0910 0850 15 [D] 1015 10												0230 15 [D1] 10												
	1315 43 [T] 1710 40												2305 65 [D] 0205 60												
32 DSN COVERAGE	0750 45 [D] 1840 40																								
S/C 32 INITIAL CONDITIONS RTLT: 24h 33m 6s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 33m 8s												0000 RTLT 24h 33m 10s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												VGR ON CALL												
NOTES	[1] POSSIBLE GSSR RFI																								
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:	JUN 24												JUN 25												



ISSUE DATE: 06/17/09 16:08

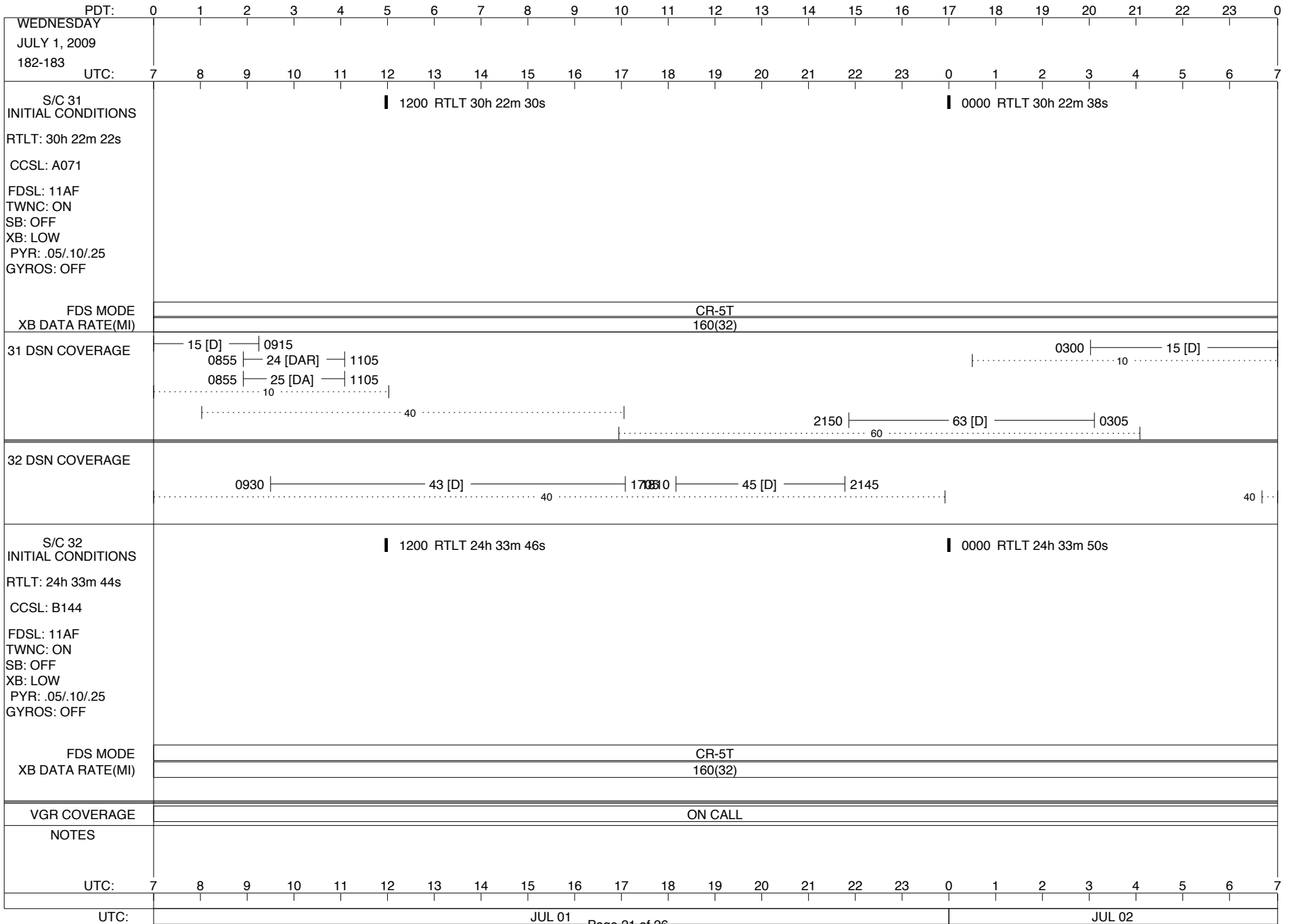


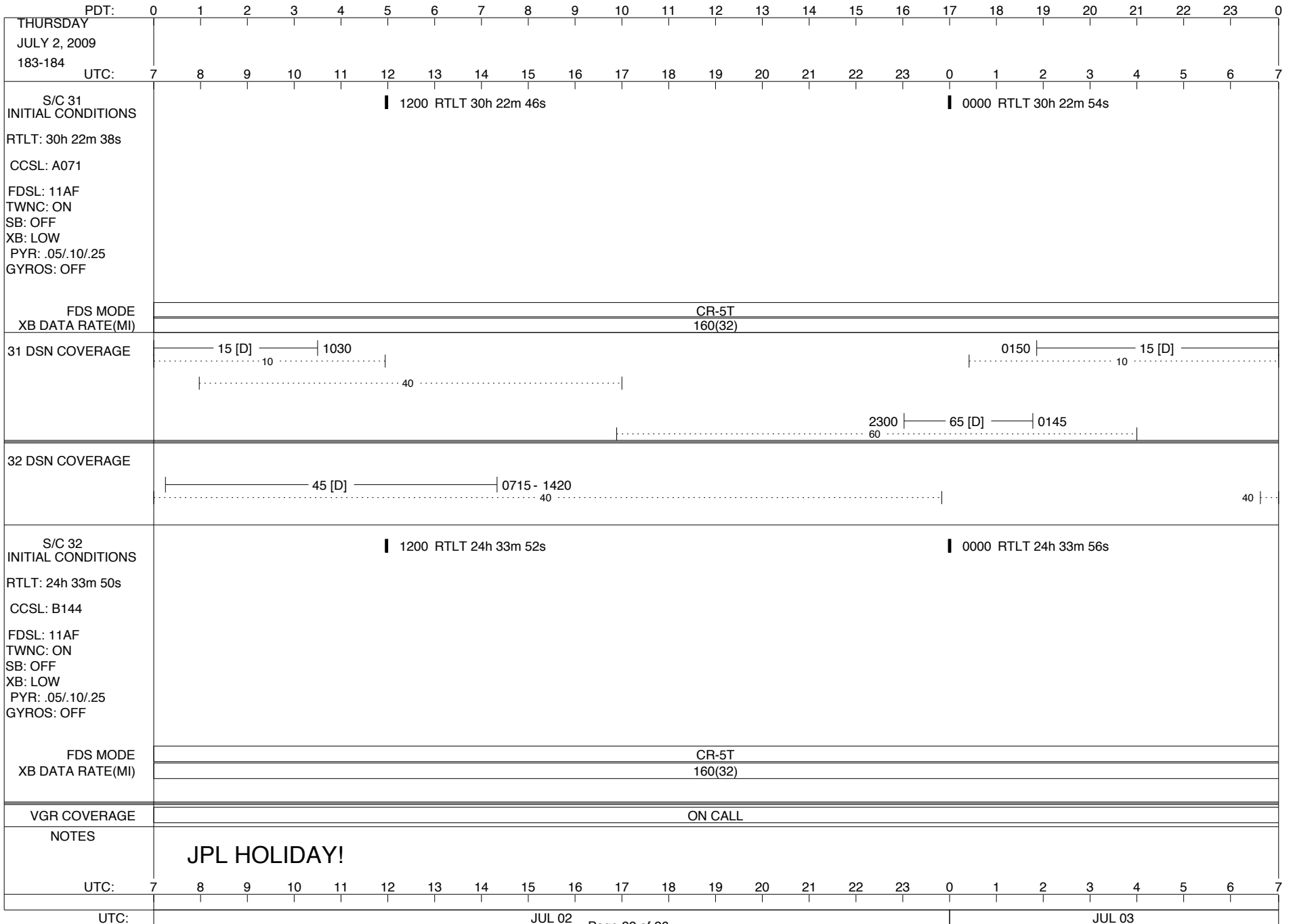




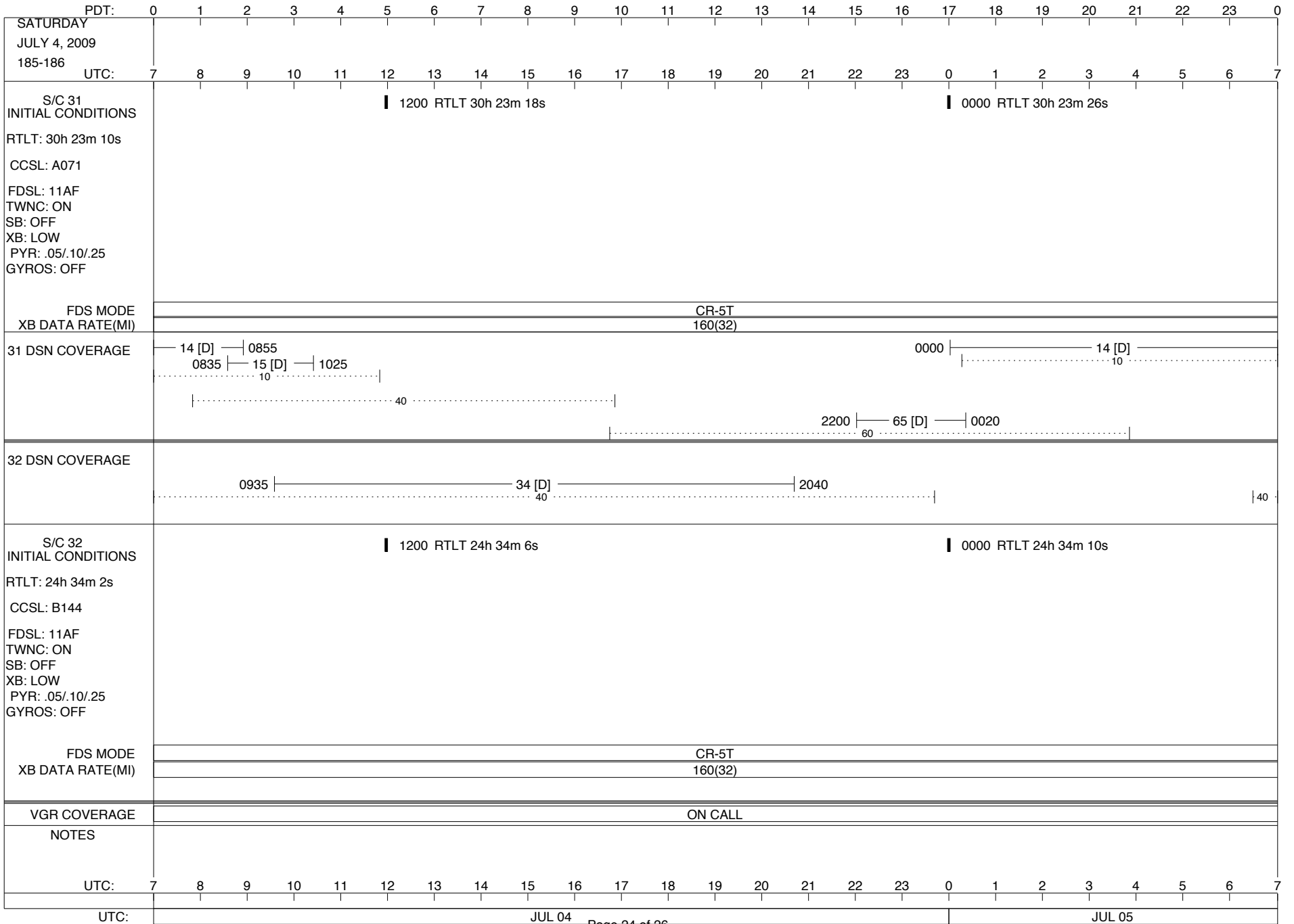
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MONDAY JUNE 29, 2009 180-181	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS RTLT: 30h 21m 50s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> 1200 RTLT 30h 21m 58s 0000 RTLT 30h 22m 6s </div> <div style="text-align: center; margin-top: 10px;"> ▼ 1450 DUMMY (21:12) </div> <div style="text-align: center; margin-top: 10px;"> U/L 1630 - - - - - - TLC (SHORT-FORM) - - - - - </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>15 [D] 0920</p> <p>1050 40 43 [T] 1700</p> </div> <div style="width: 45%;"> <p>0020 14 [D] 0250</p> <p>0230 10 15 [D1]</p> <p>60</p> </div> </div>																										
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1330 40 34 [D] 2055</p> </div> <div style="width: 45%;"> <p>40</p> </div> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 24h 33m 32s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> 1200 RTLT 24h 33m 34s 0000 RTLT 24h 33m 38s </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE	ON CALL																										
NOTES	[1] POSSIBLE GSSR RFI																										
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:	JUN 29													JUN 30													

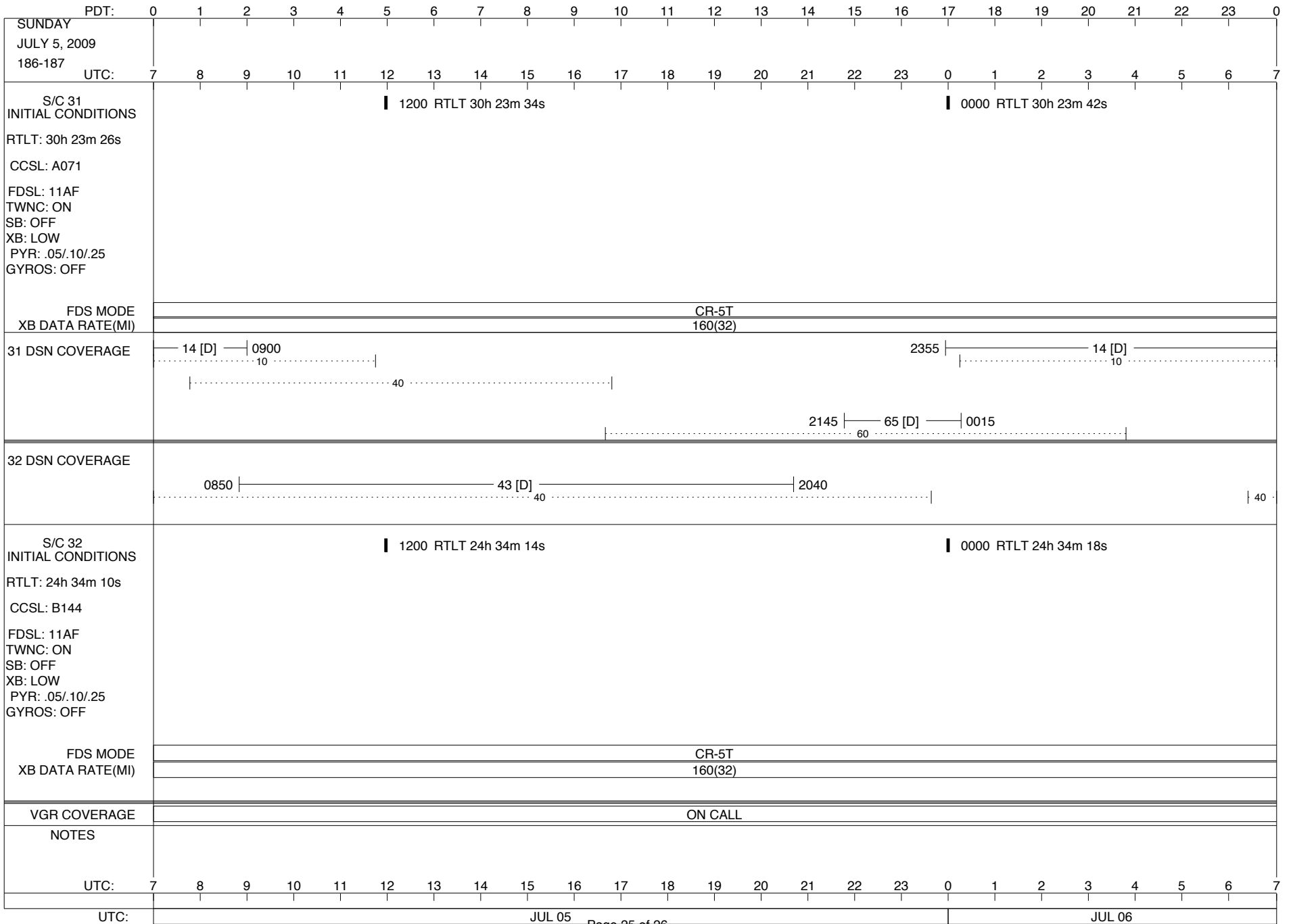
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TUESDAY JUNE 30, 2009 181-182																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 30h 22m 6s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 30h 22m 14s 1241 1242 PWS/RH												0000 RTLTL 30h 22m 22s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	15 [D1] 0915402105 63 [D] 022560												0205 15 [D]10													
32 DSN COVERAGE1205 43 [H] 22554040																									
S/C 32 INITIAL CONDITIONS RTLTL: 24h 33m 38s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 24h 33m 40s												0000 RTLTL 24h 33m 44s													
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 @ 1241 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:	JUN 30														JUL 01											





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 JULY 3, 2009 184-185	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 22m 54s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 23m 2s												0000 RTLT 30h 23m 10s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	15 [D] 102040.....												0000 14 [D] 10..... 60.....													
32 DSN COVERAGE	0935 34 [D] 161540.....												40													
S/C 32 INITIAL CONDITIONS RTLTL: 24h 33m 56s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 34m 0s												0000 RTLT 24h 34m 2s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1842 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:	JUL 03													JUL 04												





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 JULY 6, 2009 187-188																											
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 23m 42s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">█ 1200 RTLT 30h 23m 50s</p>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p>14 [D] 085540..... </p>																										
32 DSN COVERAGE	<p>1445 43..... 214540..... </p>																										
S/C 32 INITIAL CONDITIONS RTLT: 24h 34m 18s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">█ 1200 RTLT 24h 34m 20s</p>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														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:	JUL 06													JUL 07													