

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: June 3, 2009

For the Period: 06/04/09 to 06/29/09 (09-155– 09-180)

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**SCIENCE**

**FLIGHT TEAM (15) 600-100**

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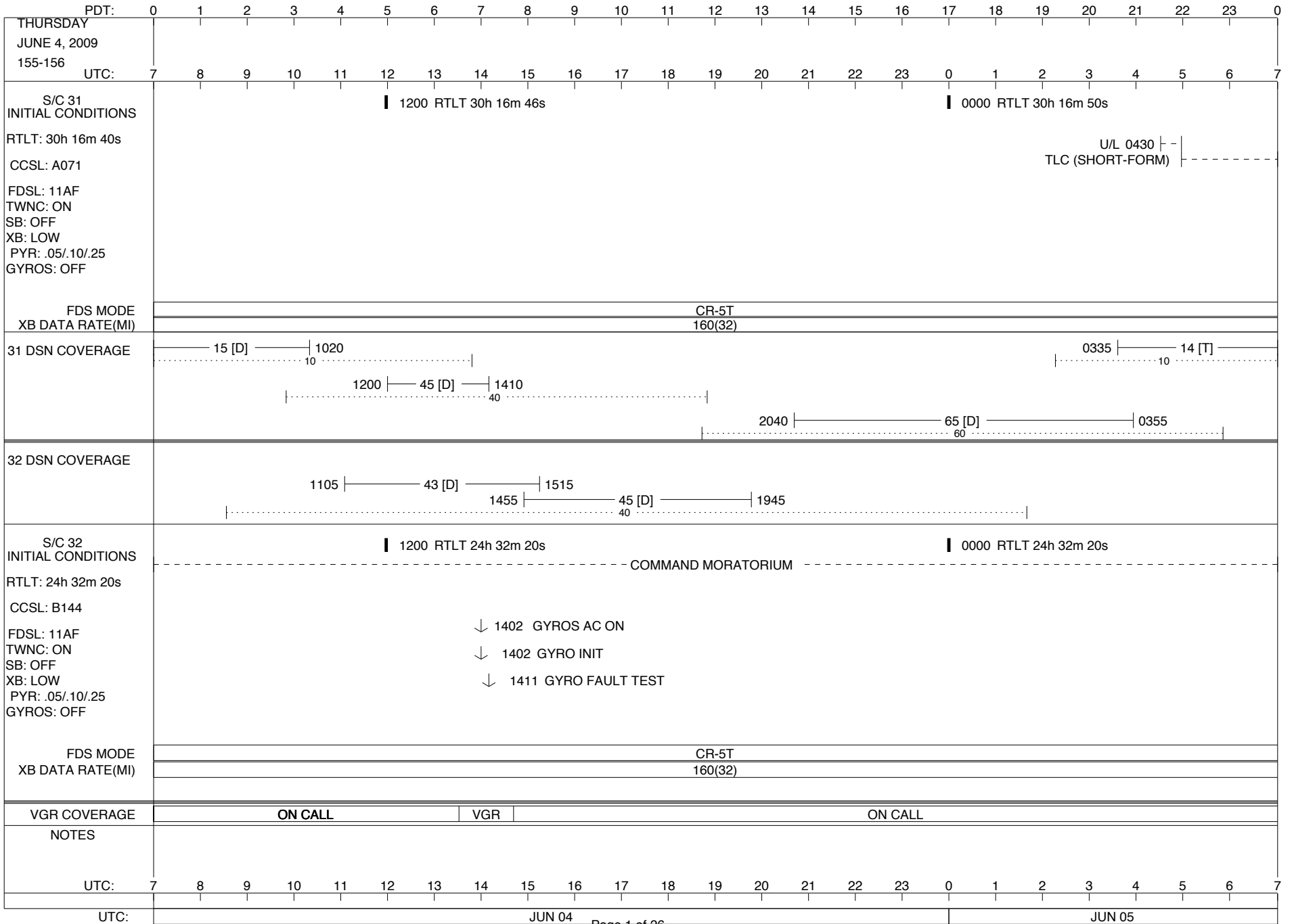
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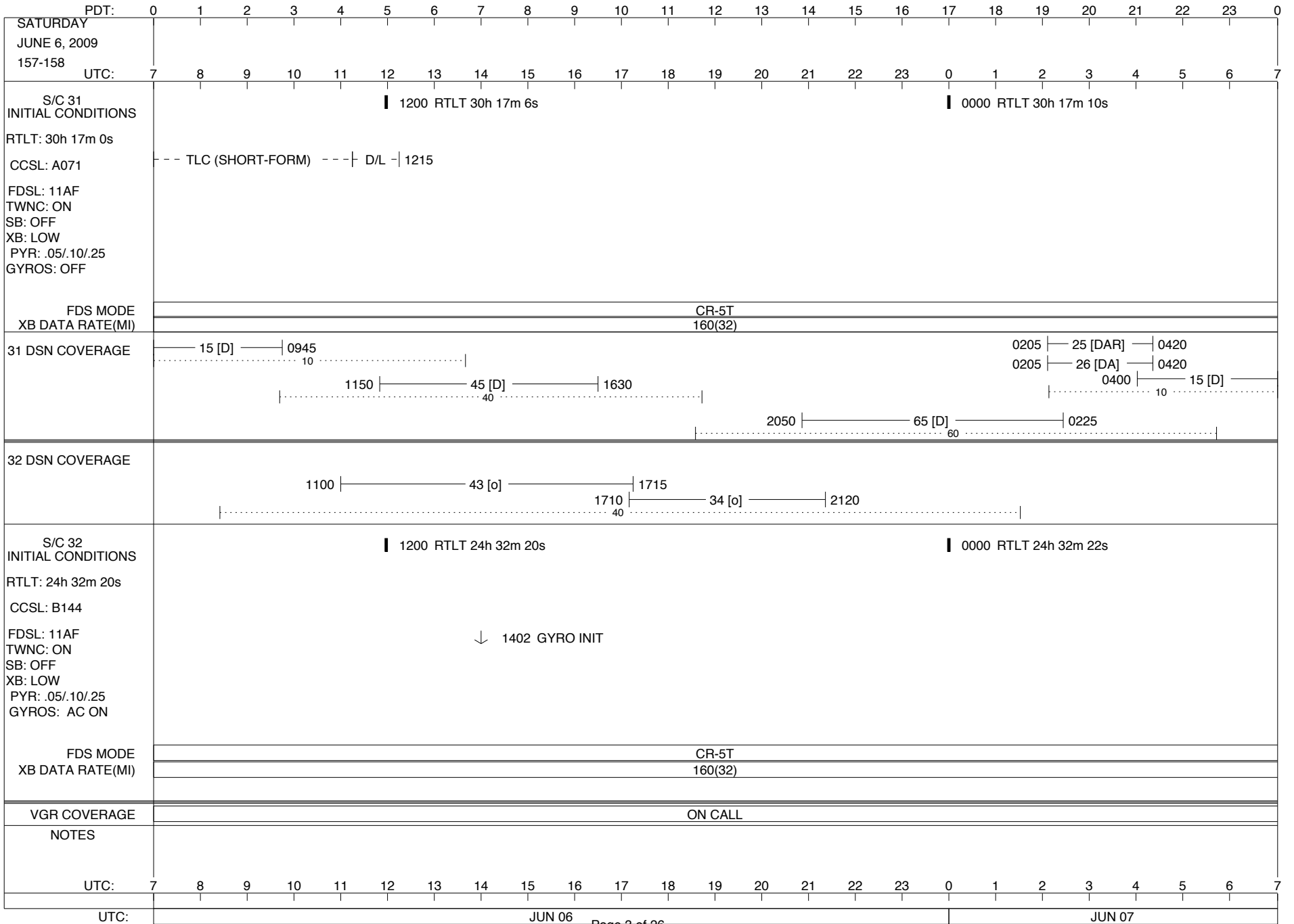
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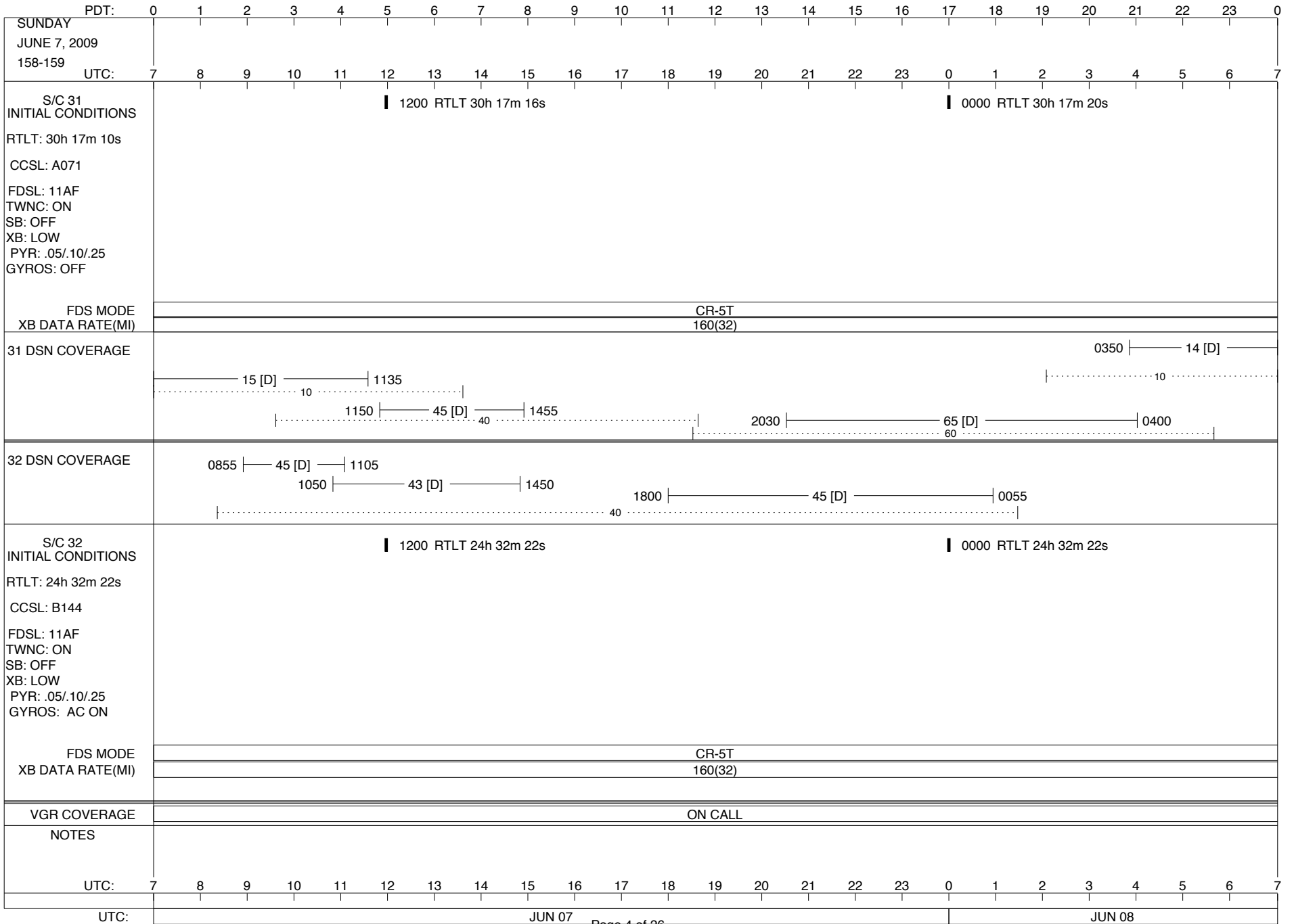
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- \* = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = 7-Point BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink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

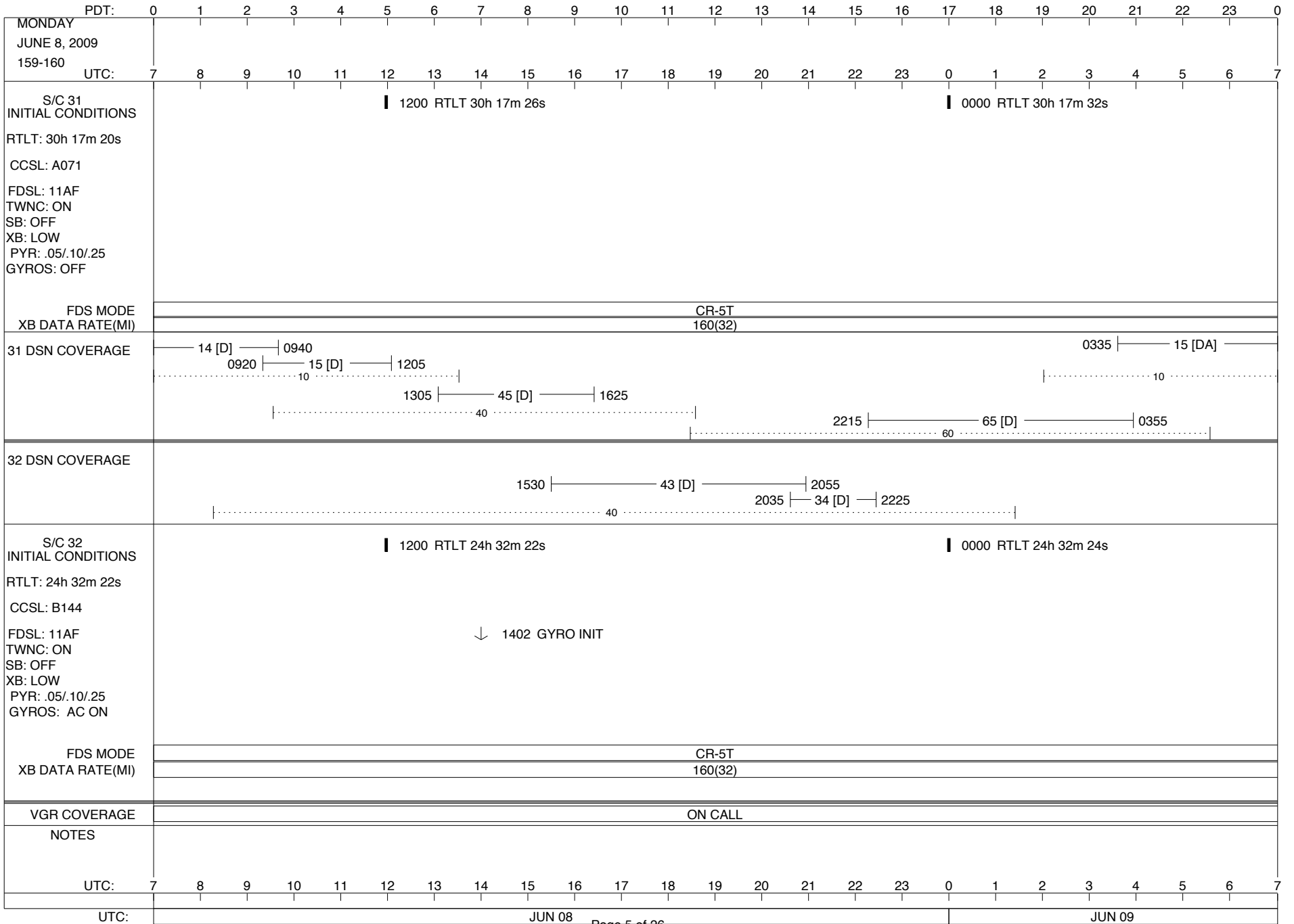
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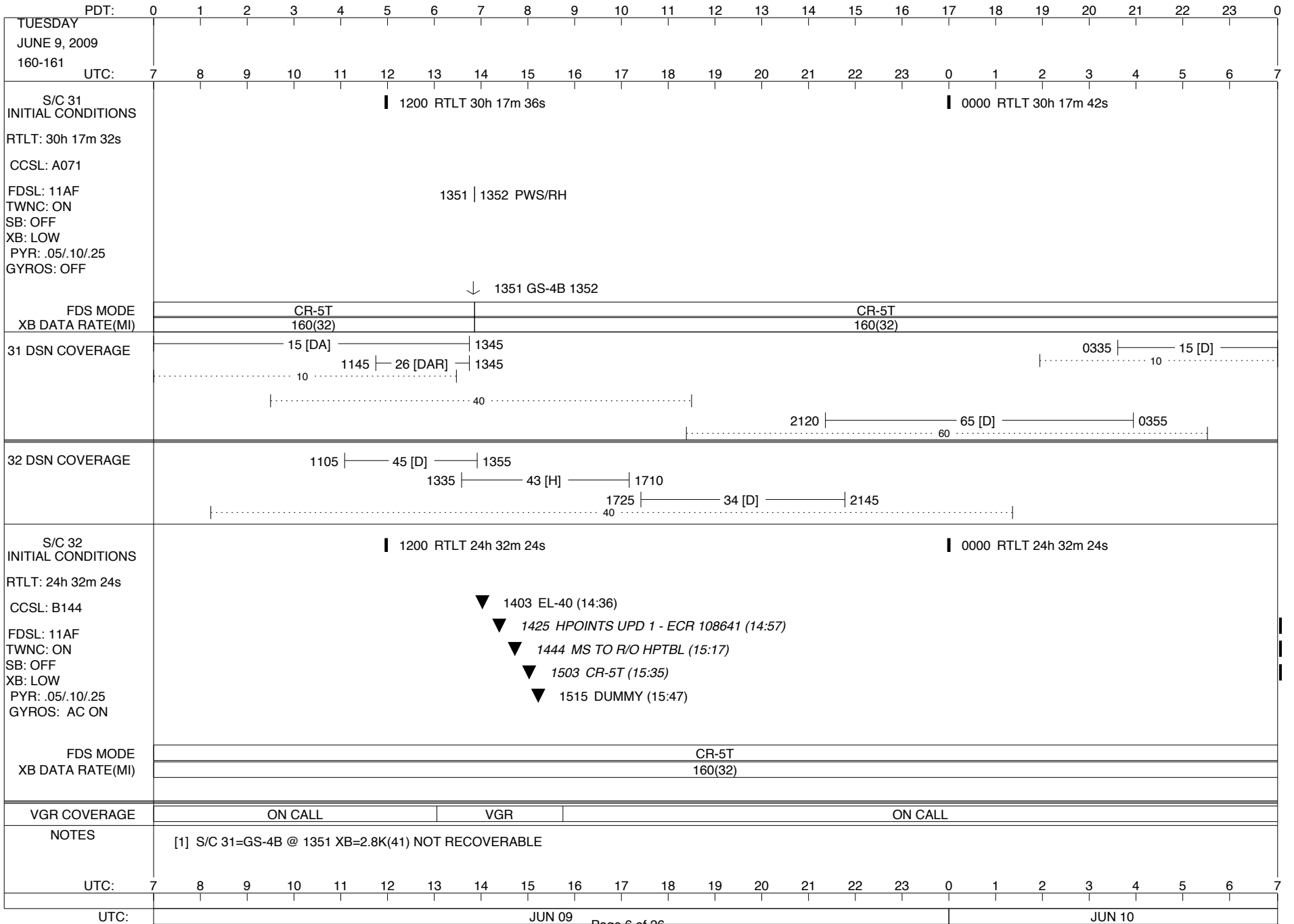
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FRIDAY JUNE 5, 2009 156-157	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 30h 16m 50s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 30h 16m 56s												0000 RTLTL 30h 17m 0s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	0745 14 [T] ..... 10 ..... 40 ..... 1916 ..... 2015   2015 PWS/RH 2222   - - TAPPOS - -   0040 ↓ 2015 GS-4B 2015												0335   ..... 15 [D] ..... ..... 10 ..... 0040   ..... 65 [D] .....   0355 60												
32 DSN COVERAGE	1130   ..... 34 [o] ..... 1625 1605   ..... 43 [o] ..... 1950 1930   ..... 45 [D] .....   2150 ..... 40 ..... 1329												0000 RTLTL 24h 32m 20s												
S/C 32 INITIAL CONDITIONS RTLTL: 24h 32m 20s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	1200 RTLTL 24h 32m 20s												0000 RTLTL 24h 32m 20s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 2015 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 05												JUN 06												

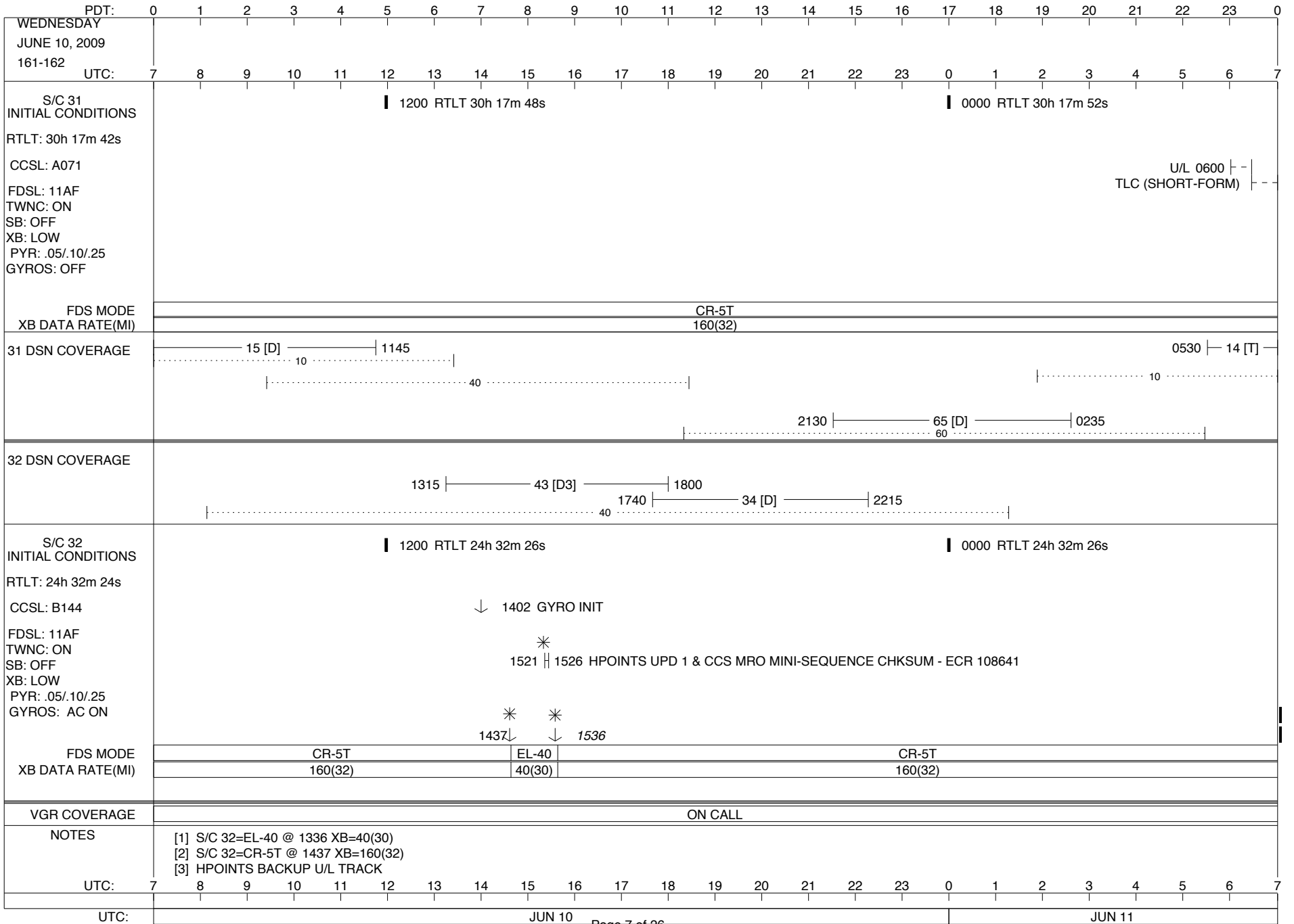






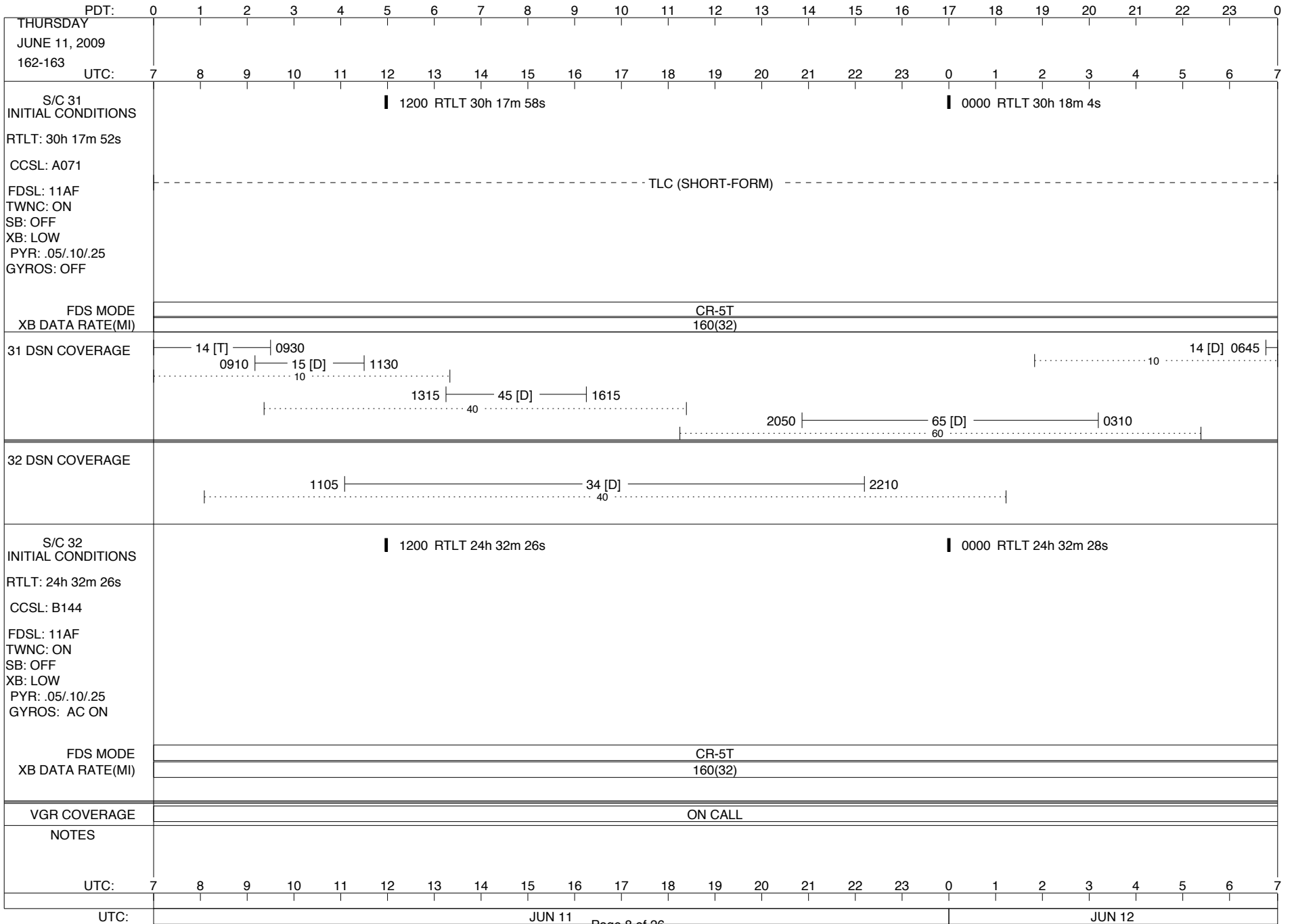
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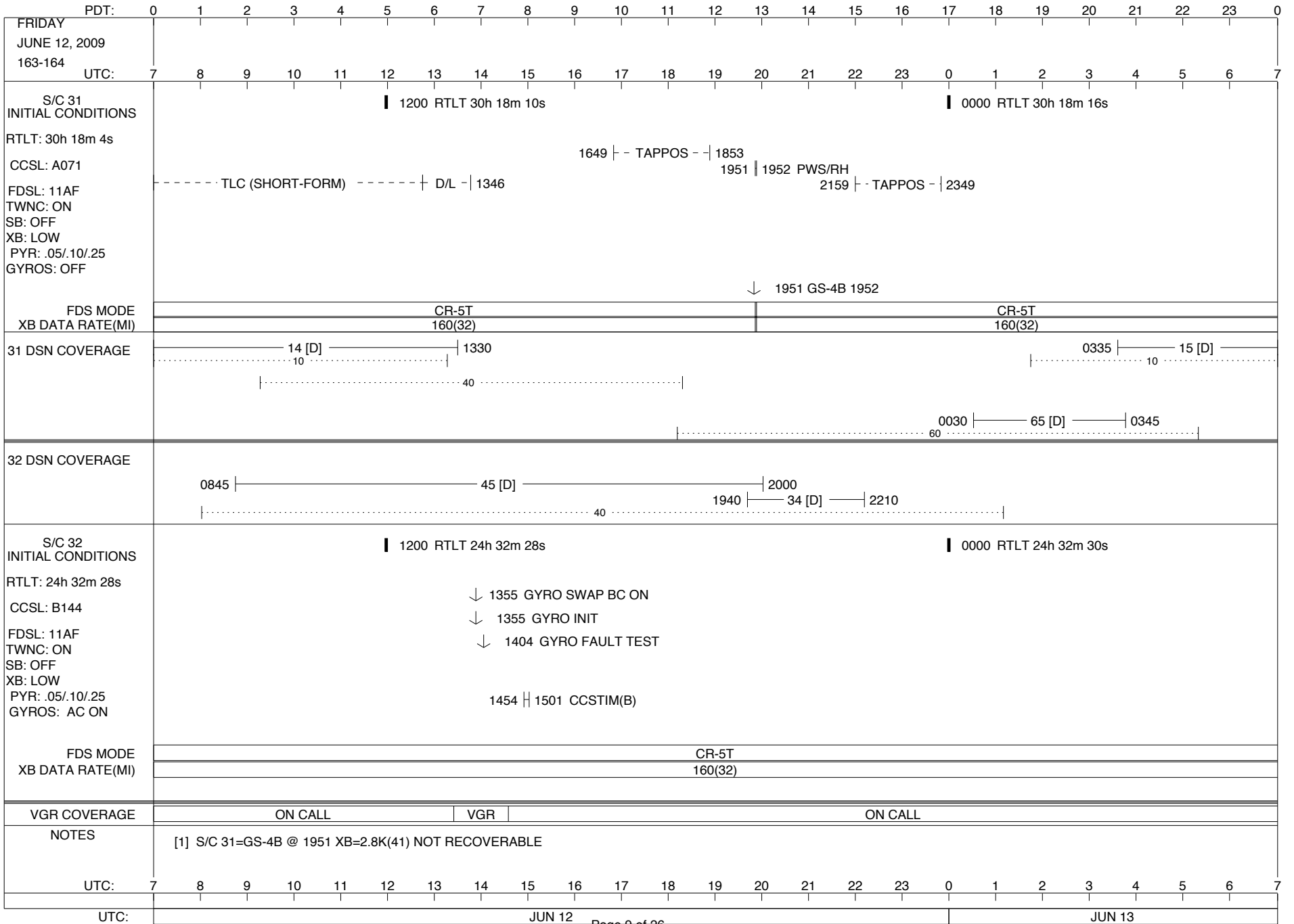




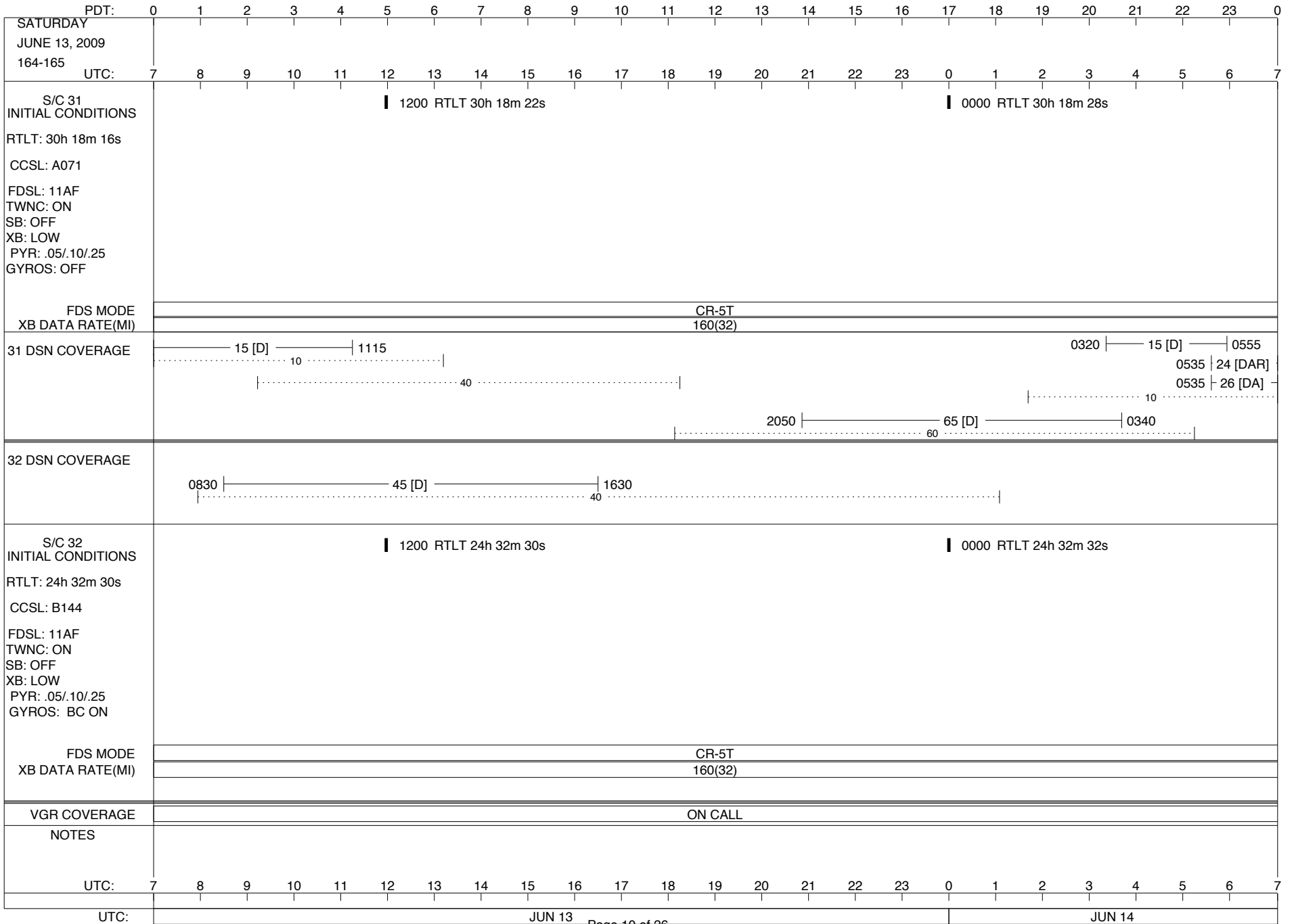


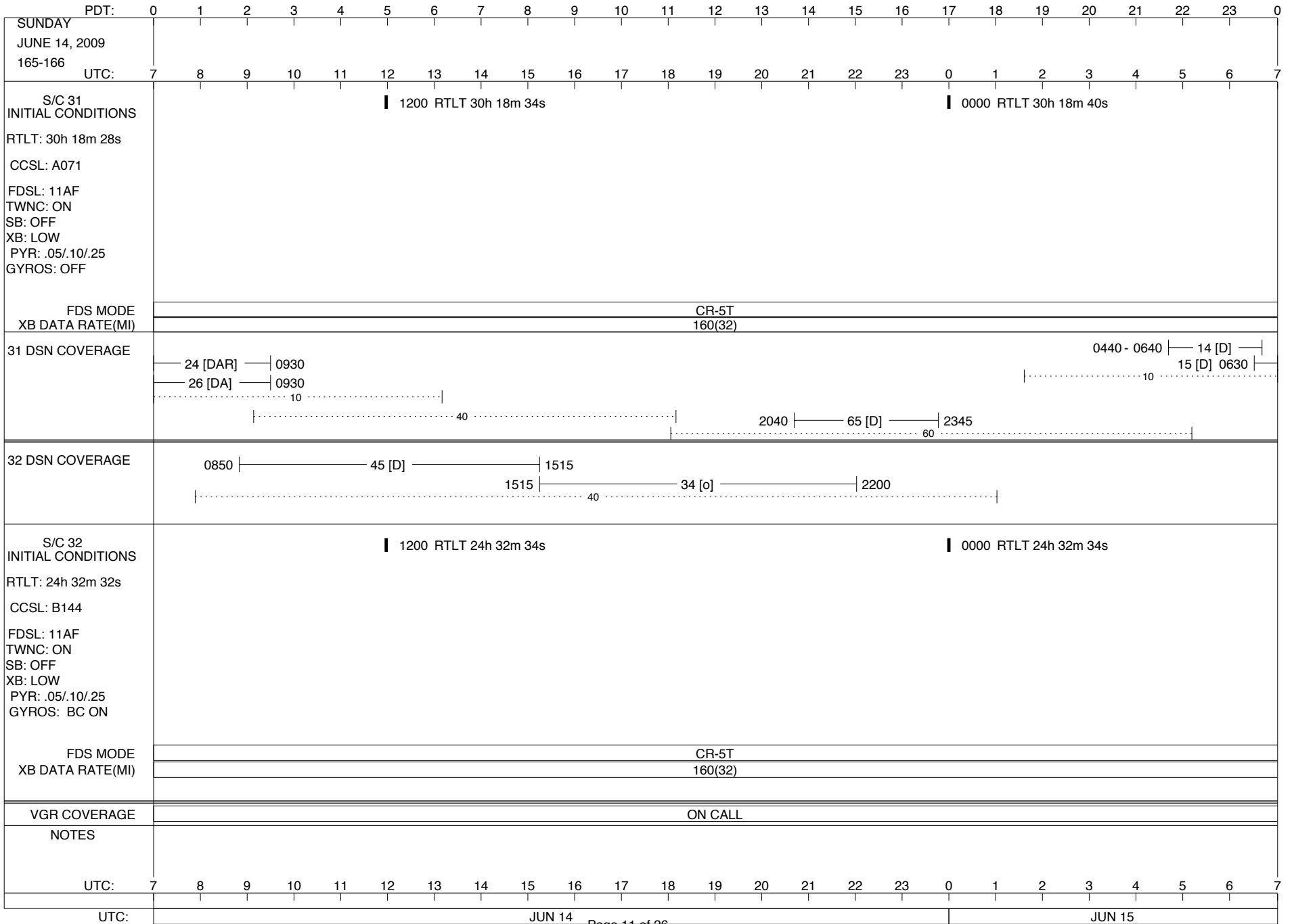
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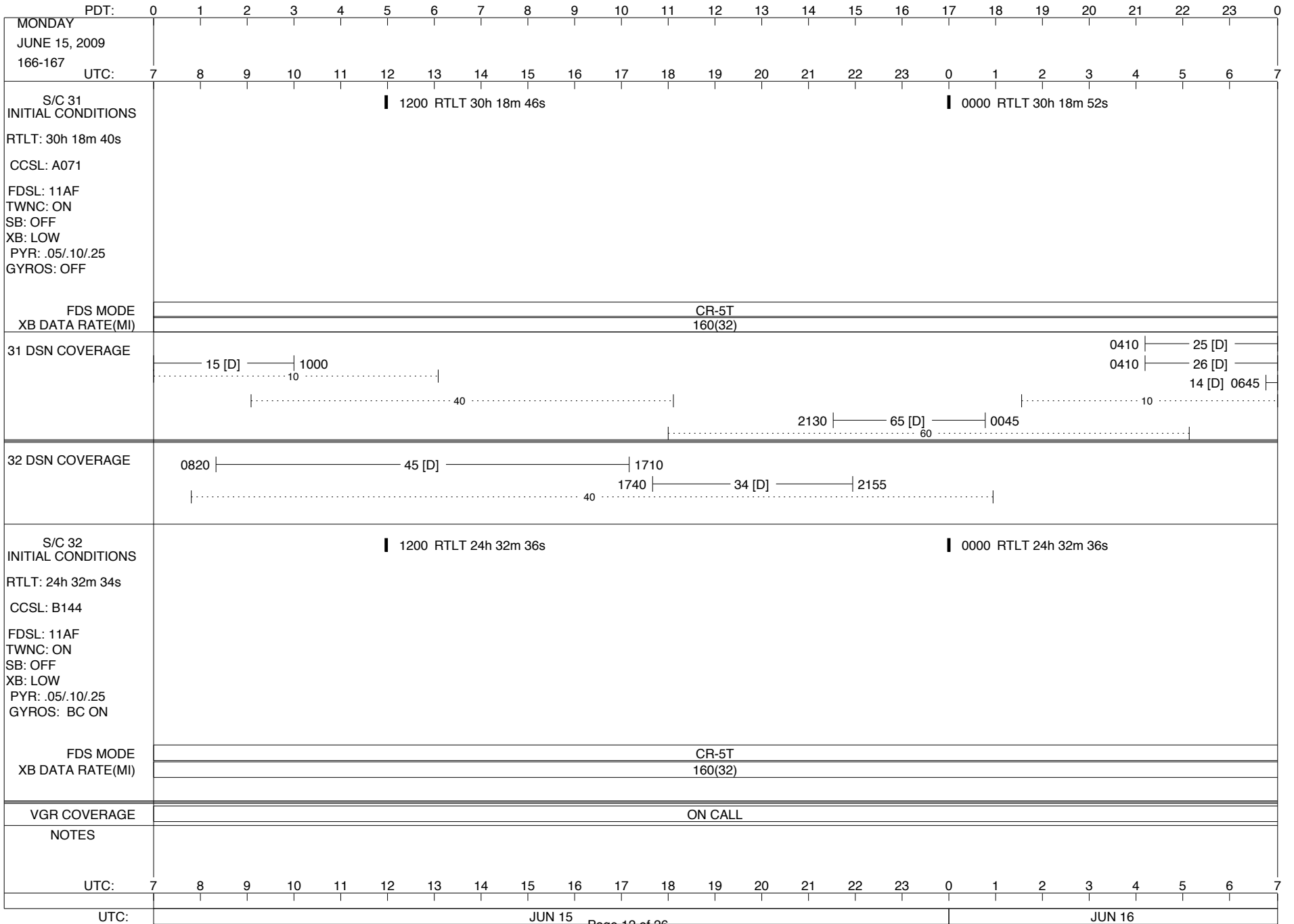




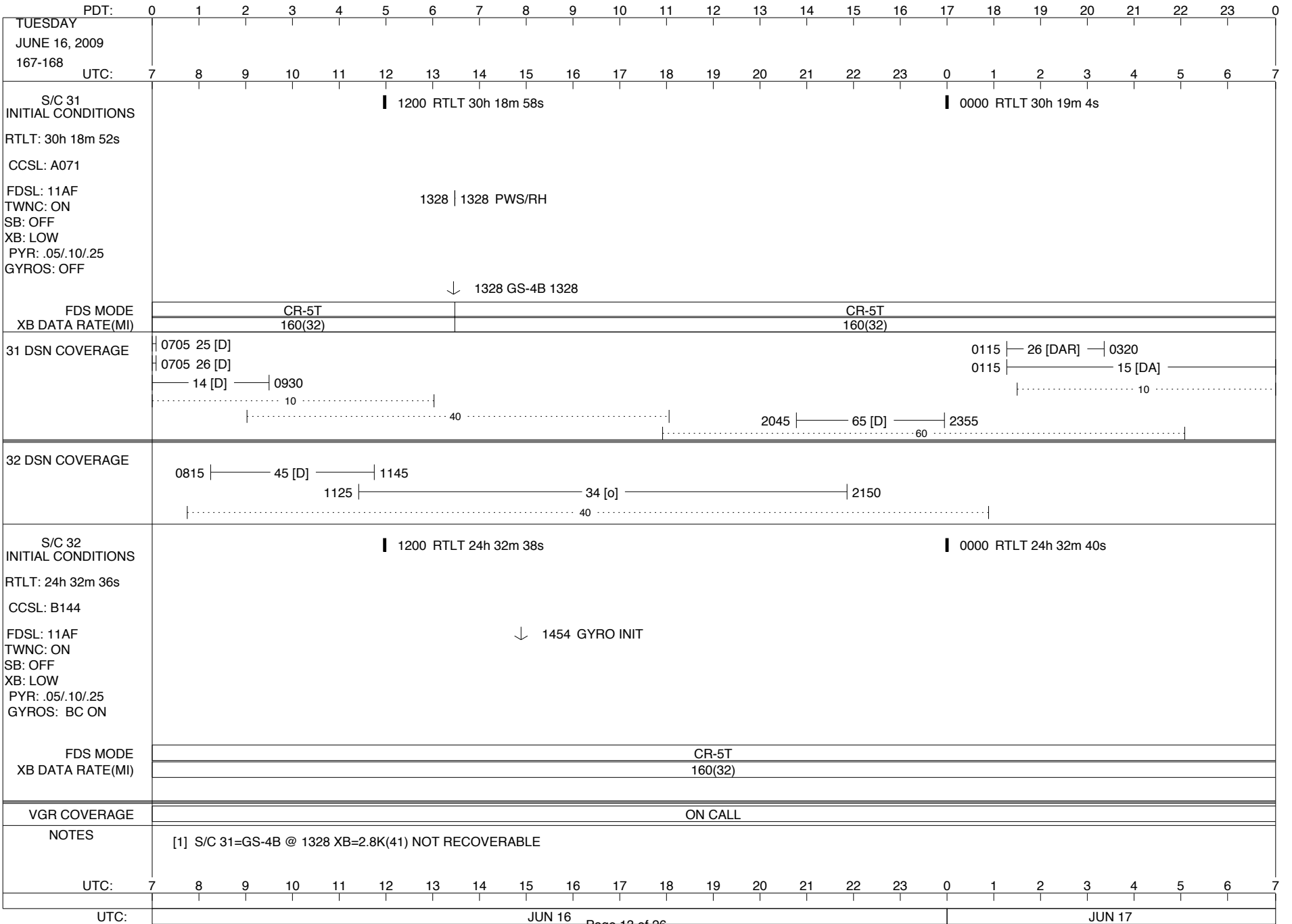
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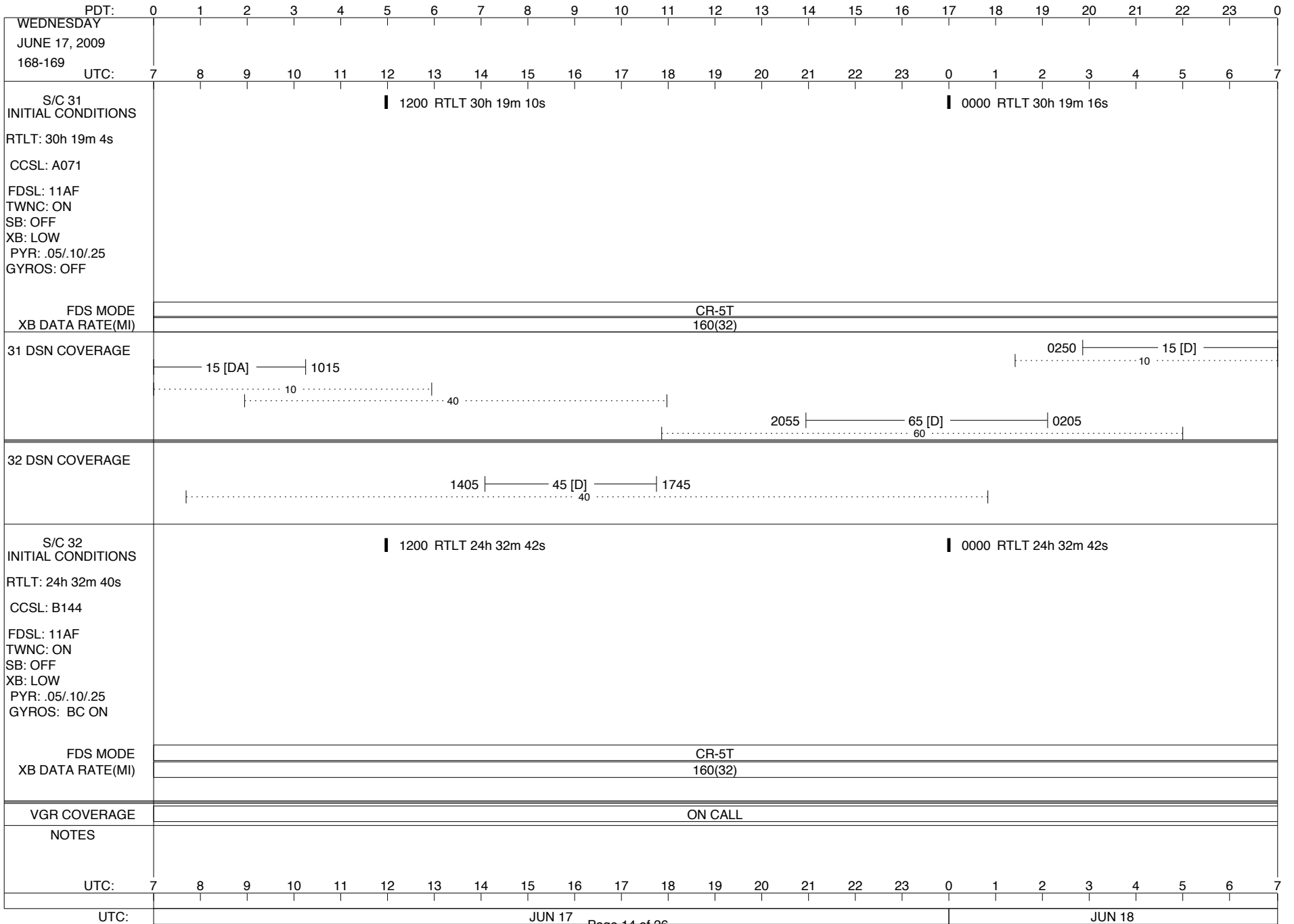






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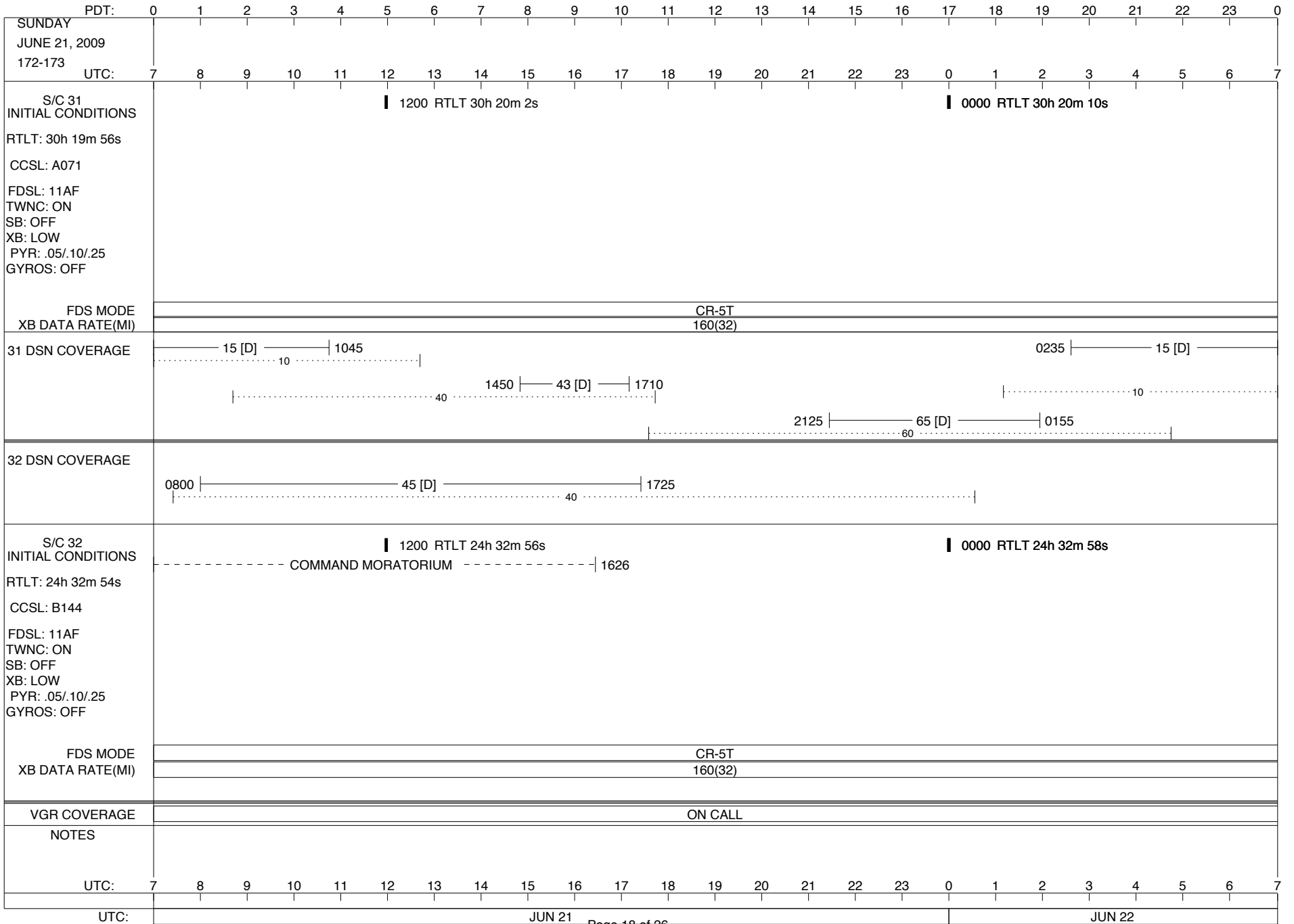
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THURSDAY JUNE 18, 2009 169-170																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 30h 19m 16s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 19m 22s												0000 RTLT 30h 19m 30s												
FDS MODE	CR-5T												0250 DUMMY (08:09)												
XB DATA RATE(MI)	160(32)												U/L 0330   -   TLC (SHORT-FORM)												
31 DSN COVERAGE	15 [D]   1125										0220   14 [T]														
	10										10														
	40										2150   65 [D]   0055														
	60										60														
32 DSN COVERAGE	1105   45 [D]   1610																								
	40																								
S/C 32 INITIAL CONDITIONS RTLT: 24h 32m 42s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 24h 32m 44s												0000 RTLT 24h 32m 46s												
FDS MODE	CR-5T												COMMAND MORATORIUM												
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:	JUN 18												Page 15 of 26						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 RTLTL: 30h 19m 30s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	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																												
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 RTLTL: 24h 32m 46s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	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 CRU ↓ 2103 GYROS OFF																												
FDS MODE XB DATA RATE(MI)	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													

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	
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 RTLTL 30h 19m 50s												0000 RTLTL 30h 19m 56s													
TLC (SHORT-FORM) + D/L - 1118																										
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	<p>14 [D]   0825   0805   15 [D]   1120   10   40   1950   54 [DAR]   2305   1950   55 [DA]   2305   2245   65 [D]   0205   0240   15 [D]   10</p>																									
32 DSN COVERAGE	<p>1105   43 [DA]   1620   1515   45 [DAR]   1950   40</p>																									
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 RTLTL 24h 32m 52s												0000 RTLTL 24h 32m 54s													
COMMAND MORATORIUM	-----																									
1608   1616 3 CCSA FULL MRO'S - ECR 108398																										
↓ 1655 X/B LOW POWER																										
↓ 1659 BAY 1 HTR ON																										
EH-12 1548 ↓ ↓ 1616 CR-5T																										
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												VGR						ON CALL							
NOTES	<p>[1] S/C 32=EH-12@1548 XB=1.2K(39) [2] S/C 32-CR-5T@1616 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:	JUN 20												JUN 21													

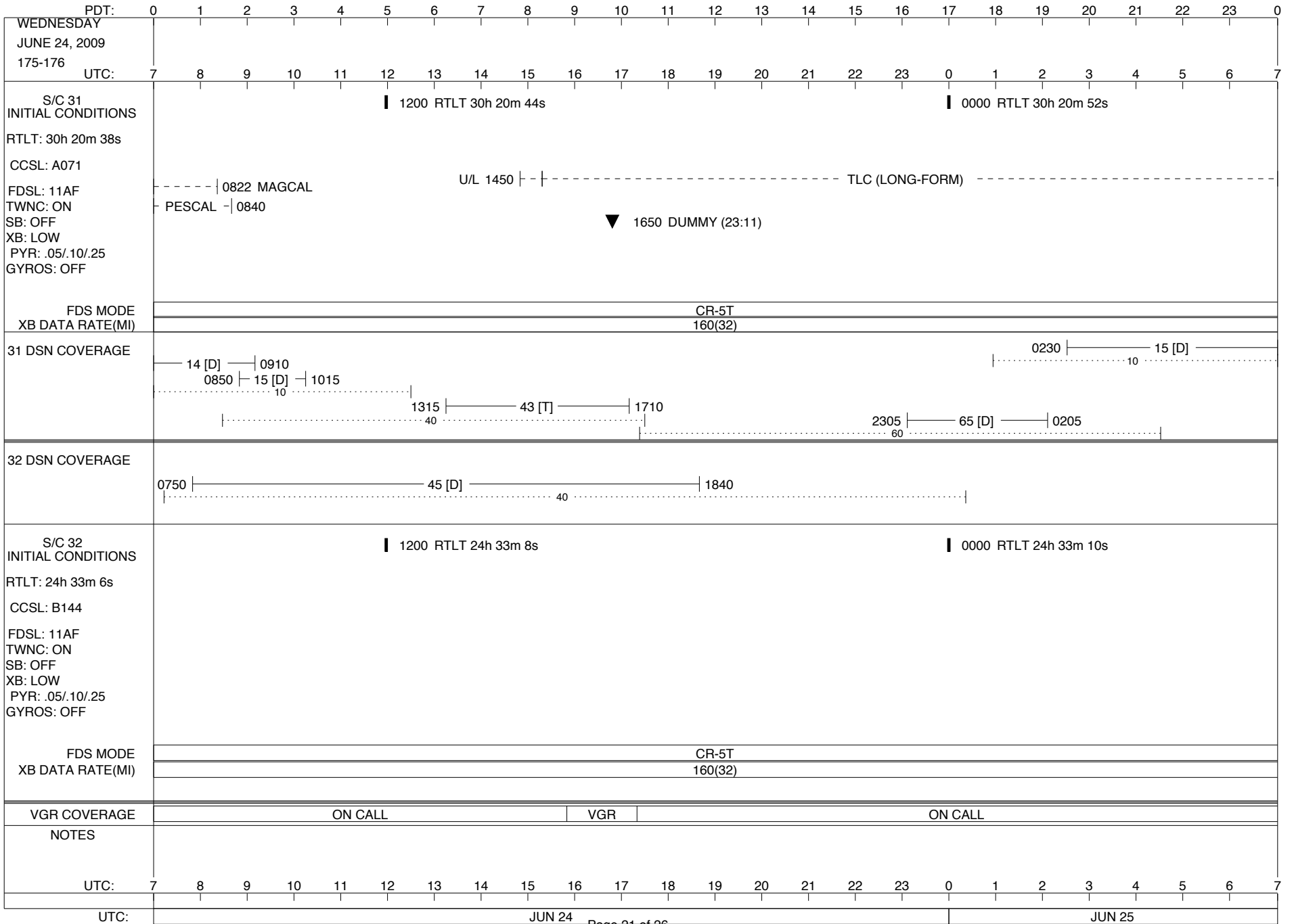


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MONDAY JUNE 22, 2009 173-174	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 30h 20m 10s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 20m 16s												0000 RTLT 30h 20m 24s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	15 [D]   1100												0250   15 [D]   10												
	1045   45 [D]   1705												2315   65 [D]   0310   60												
32 DSN COVERAGE	1310   43 [B]   1710												1705   34 [o]   1935   40												
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																									
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												

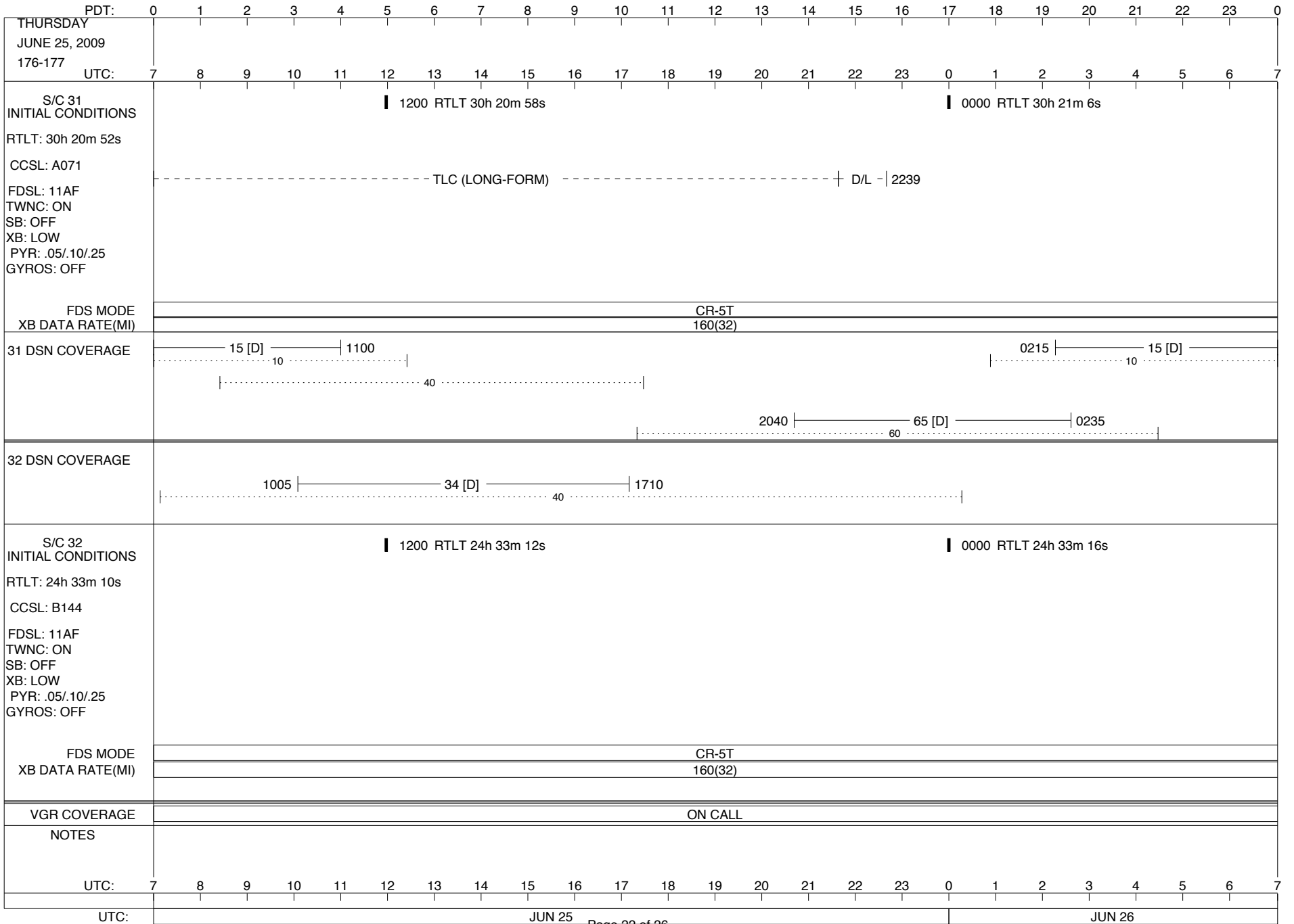
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TUESDAY JUNE 23, 2009 174-175																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 30h 20m 24s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 30h 20m 30s												█ 0000 RTLT 30h 20m 38s												
	1304   1305 PWS/RH												0519   MAGCAL - 0519   PESCAL -												
	↓ 1304 GS-4B 1305																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	15 [D]   0945												0230   15 [D]   0610												
	10   40												0550   14 [D]   10												
													60												
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												
XB DATA RATE(MI)													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												

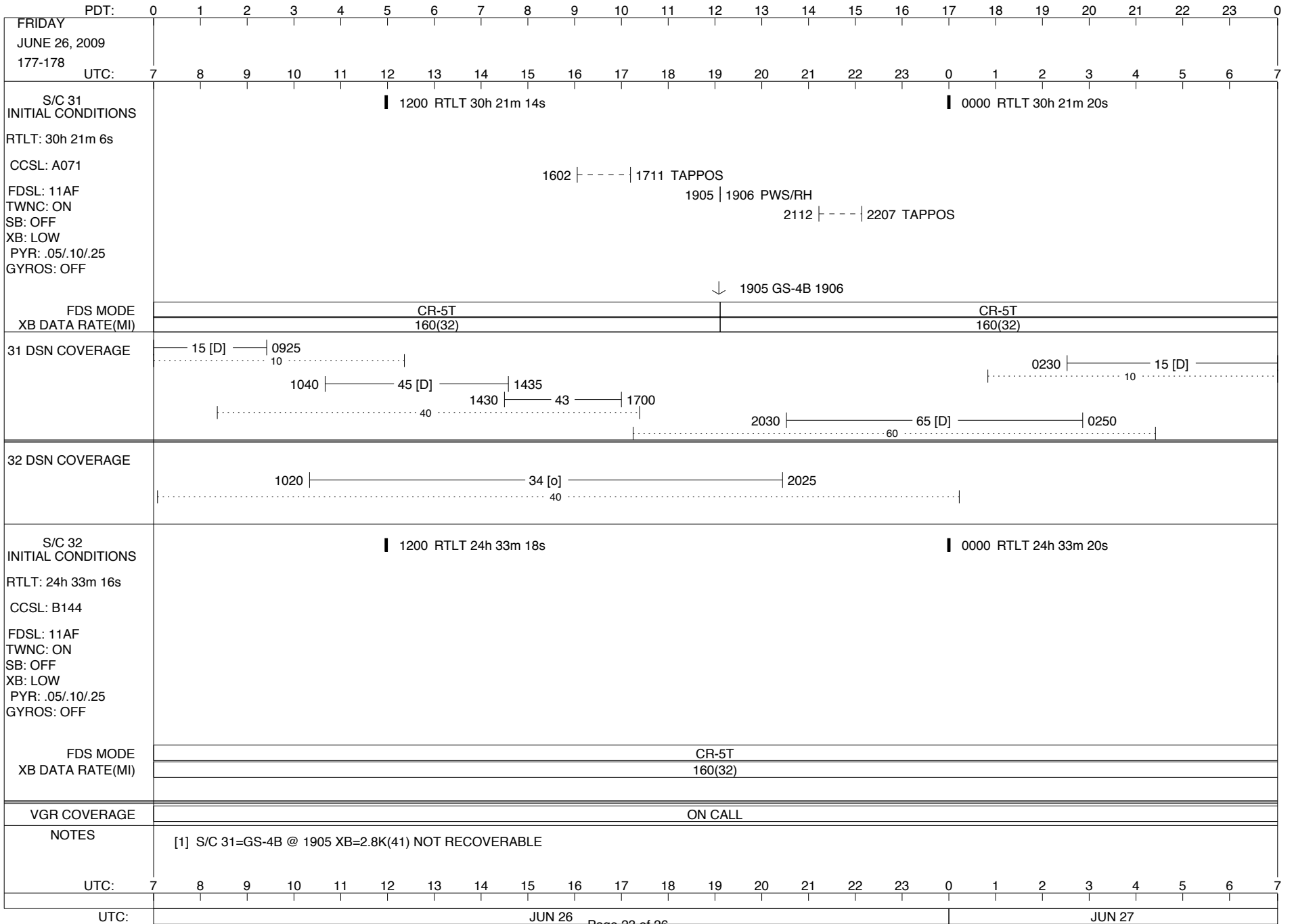
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ISSUE DATE: 06/08/09 13:15

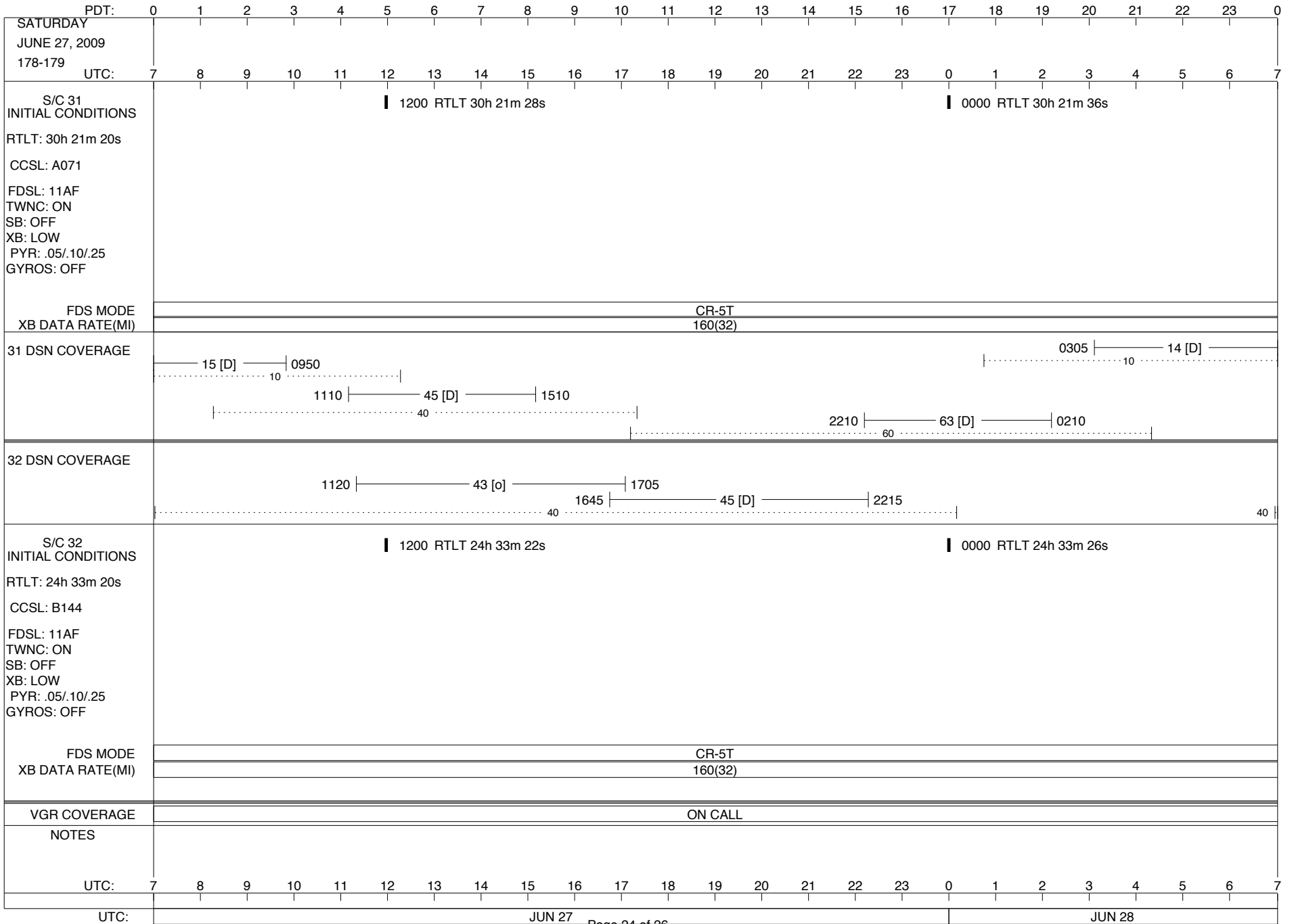


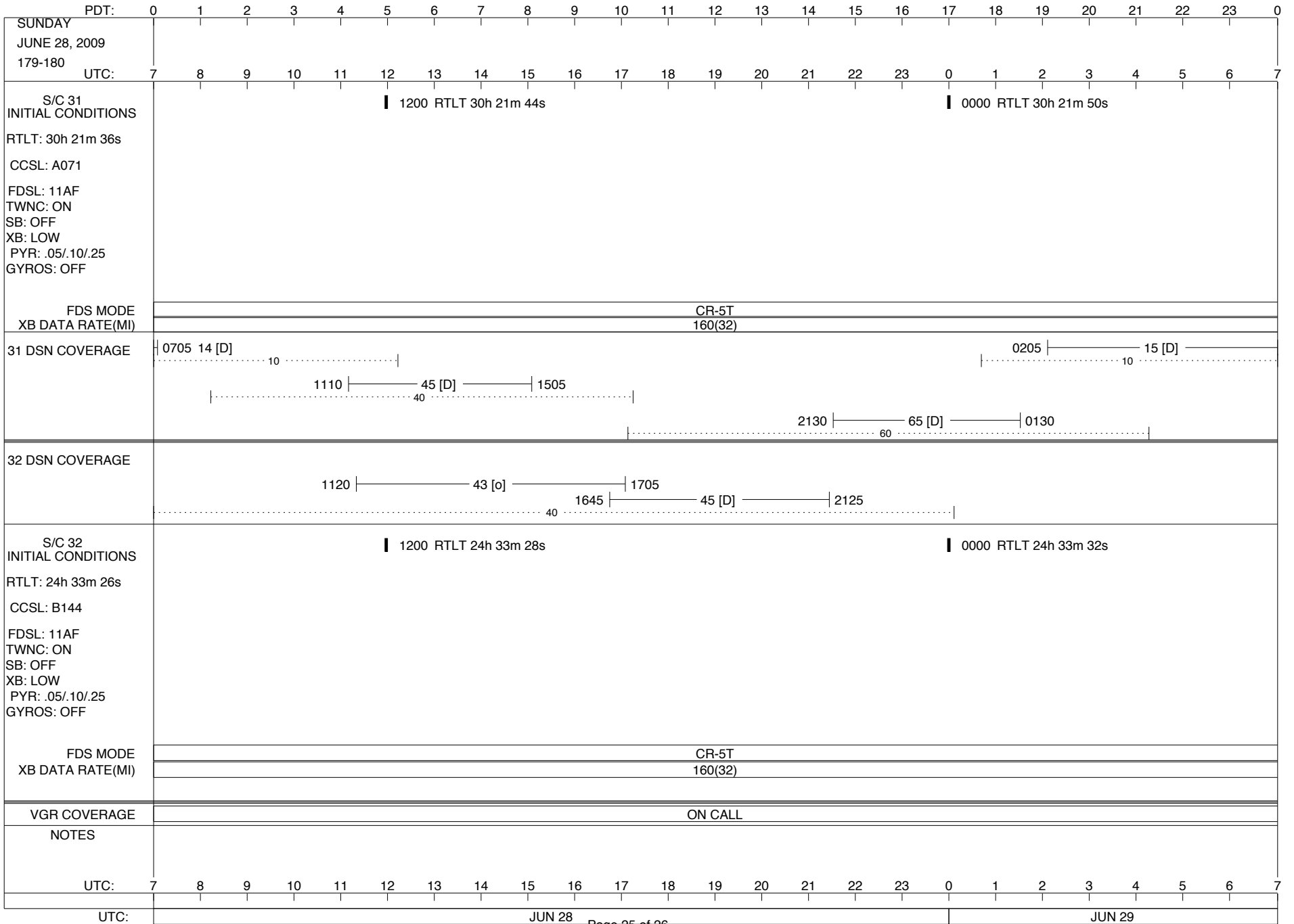
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MONDAY JUNE 29, 2009 180-181																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS RTLT: 30h 21m 50s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 21m 58s																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<p>0920  -----  15 [D]  -----  10  -----  43 [D]  -----  1700 1035  -----  40  ----- </p>																										
32 DSN COVERAGE	<p>1330  -----  34 [D]  -----  2055</p>																										
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	1200 RTLT 24h 33m 34s																										
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:	JUN 29													JUN 30													