

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: May 29, 2024

For the Period: 05/30/24 to 06/17/24 (24/151 – 24/169)

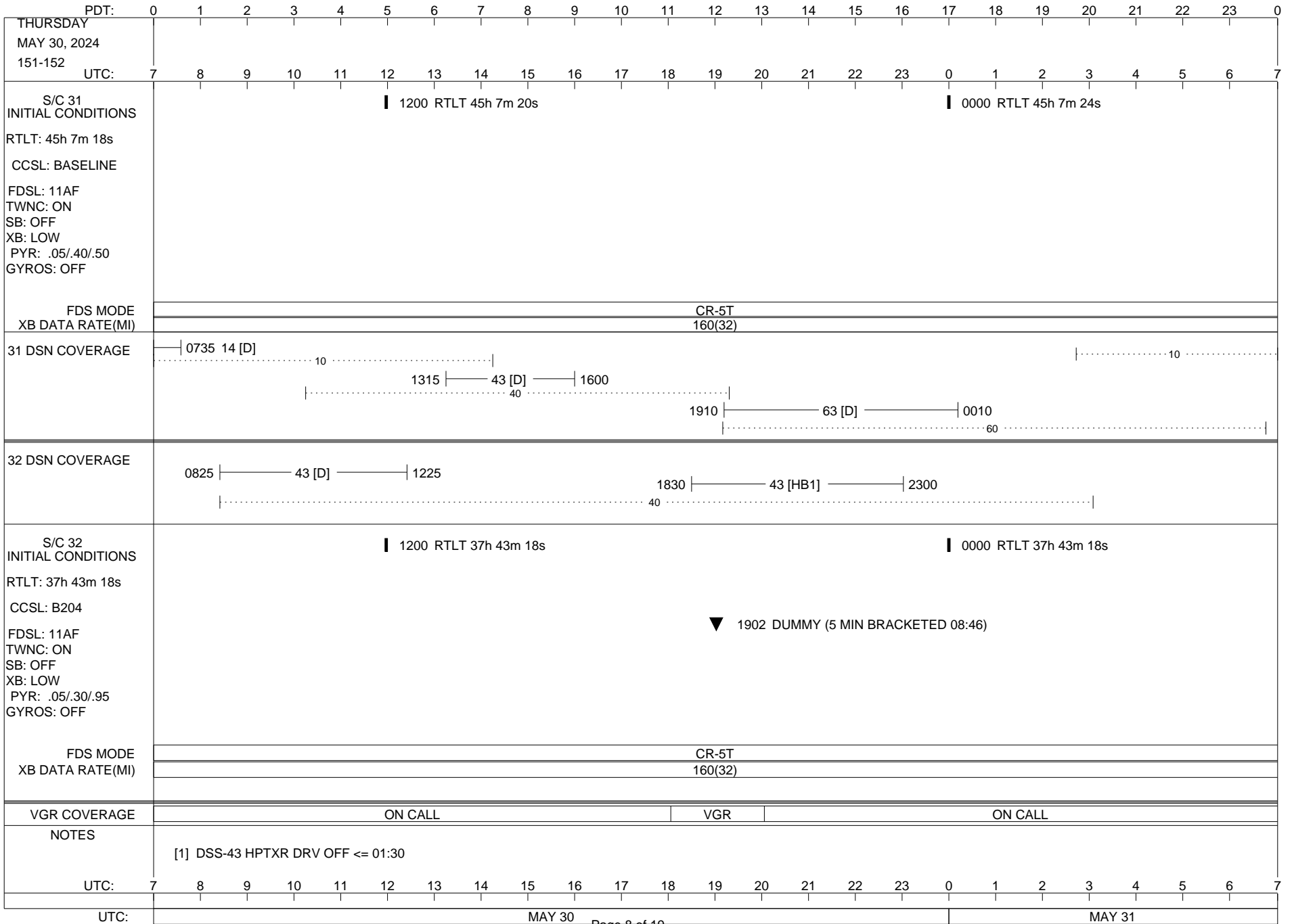


Posted at <https://voyager.jpl.nasa.gov/mission/status/>

**LEGEND:**

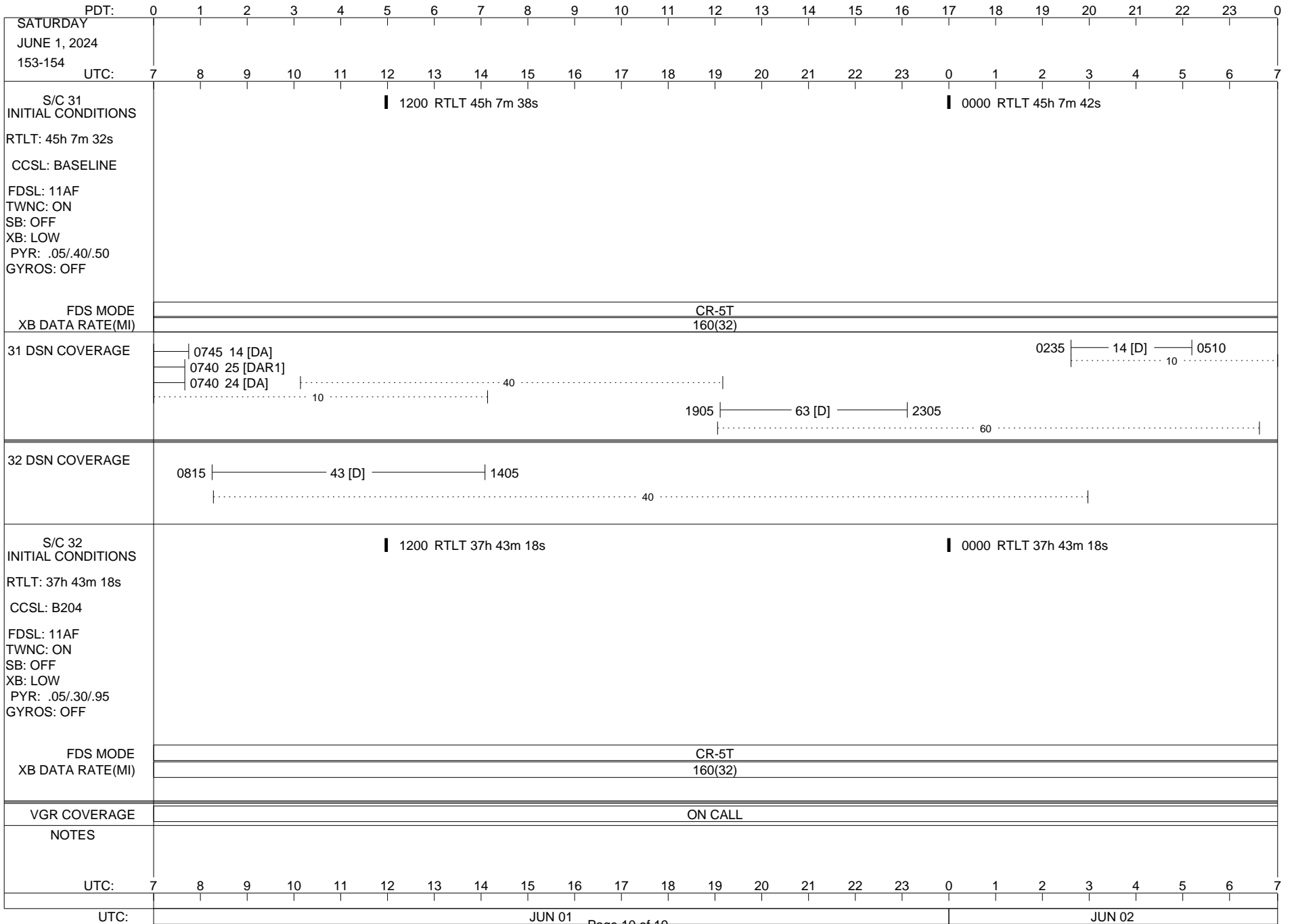
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- \* = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
-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

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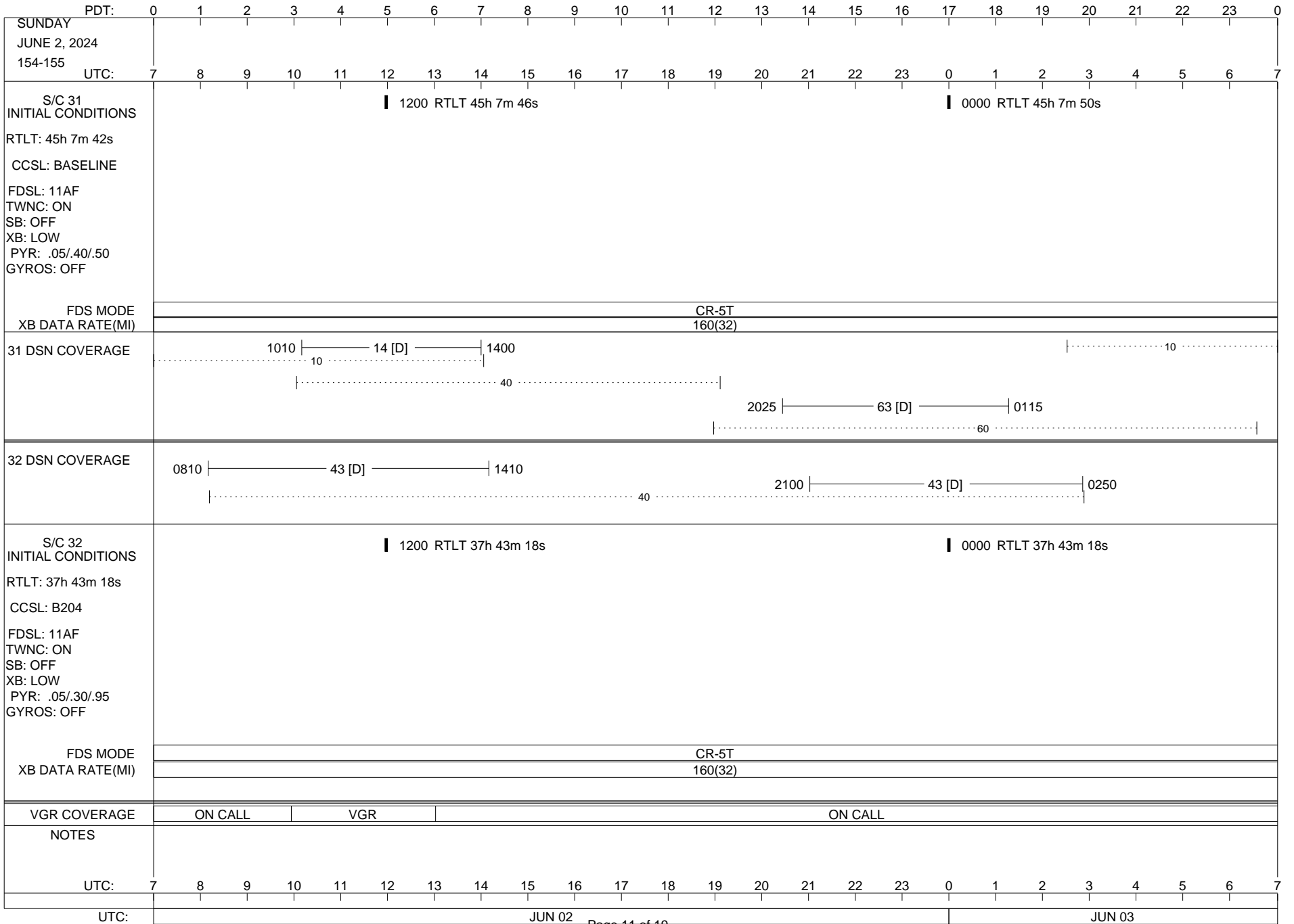


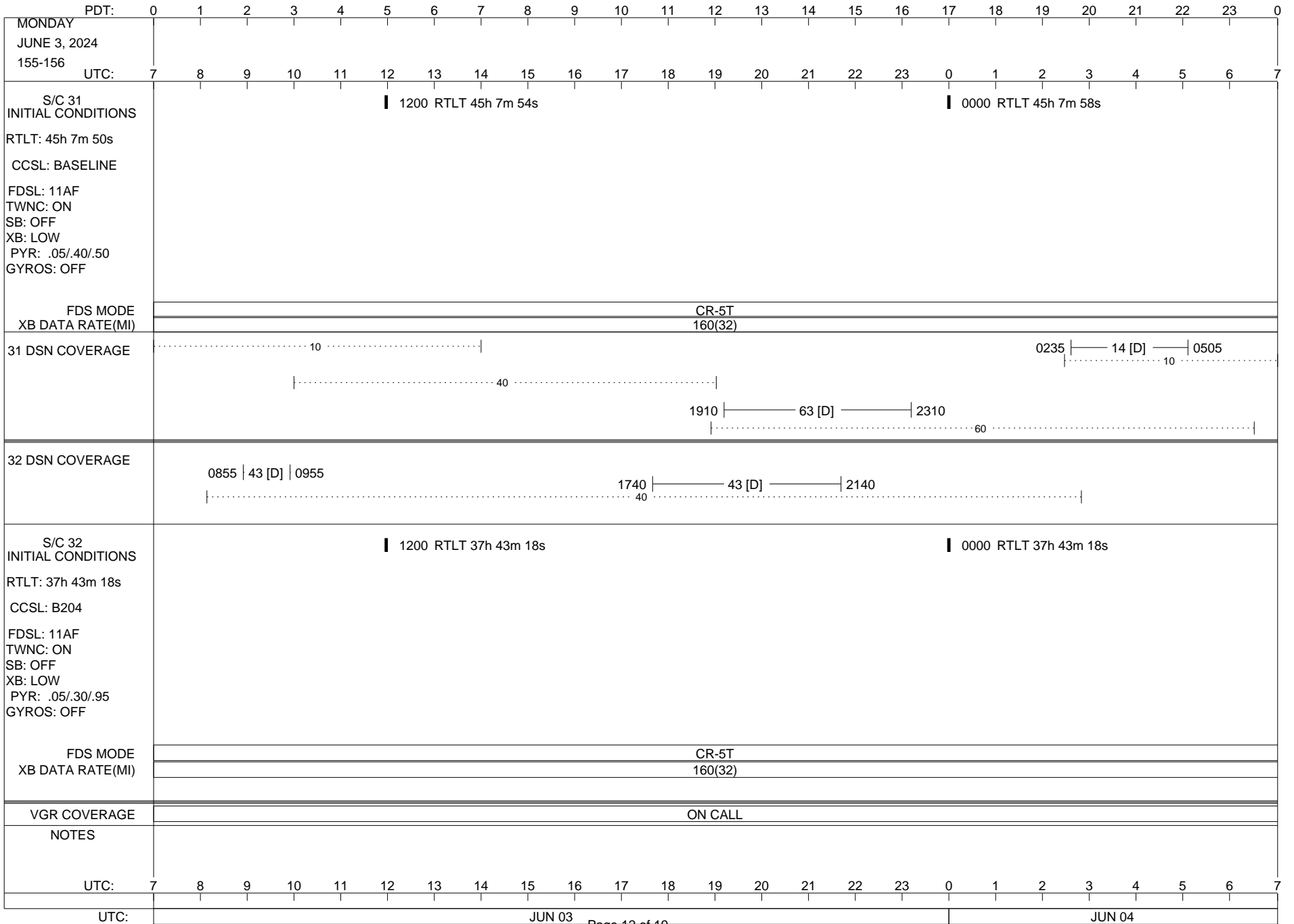
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FRIDAY MAY 31, 2024 152-153																												
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLT: 45h 7m 24s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLT 45h 7m 28s												0000 RTLT 45h 7m 32s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	.....  1250  —— 43 [red transmitter] ——  1725 .....  .....  40 .....  .....  1905  —— 63 [D] ——  2305 .....  .....  60 .....												0240  —— 14 [DA] ——  0255  —— 25 [DAR1] ——  .....  .....  0425  —— 24 [DA] ——  .....  .....  .....  10 .....															
32 DSN COVERAGE	0820  —— 43 [D] ——  1130 .....  .....  40 .....												1825  —— 43 [red transmitter] ——  2225 .....  .....  .....															
S/C 32 INITIAL CONDITIONS RTLT: 37h 43m 18s CCSL: B204 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.95 GYROS: OFF	1200 RTLT 37h 43m 18s												0000 RTLT 37h 43m 18s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
VGR COVERAGE	ON CALL						VGR						ON CALL															
NOTES	[1] DDA TEST																											
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:	MAY 31														JUN 01													

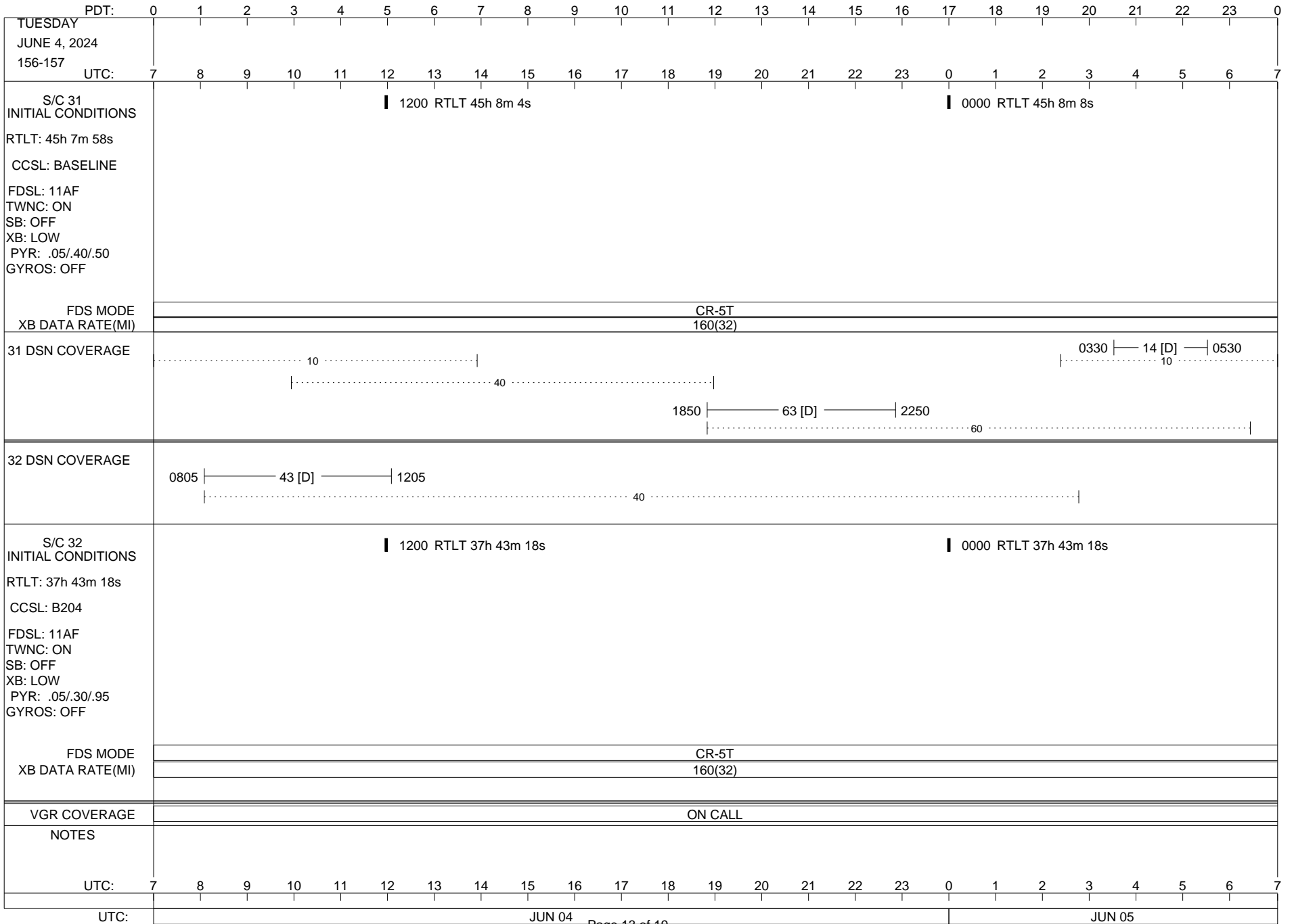
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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
WEDNESDAY JUNE 5, 2024 157-158	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 45h 8m 8s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLTL 45h 8m 12s												0000 RTLTL 45h 8m 16s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	..... 10 .....												..... 10 .....												
	..... 40 .....												..... 60 .....												
32 DSN COVERAGE	0800  ----- 43 [D] -----  1200												..... 40 .....												
S/C 32 INITIAL CONDITIONS RTLTL: 37h 43m 18s CCSL: B204 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.95 GYROS: OFF	1200 RTLTL 37h 43m 20s												0000 RTLTL 37h 43m 20s												
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 05												JUN 06												



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 6, 2024  
158-159 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: 45h 8m 16s  
CCSL: BASELINE  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.40/.50  
GYROS: OFF

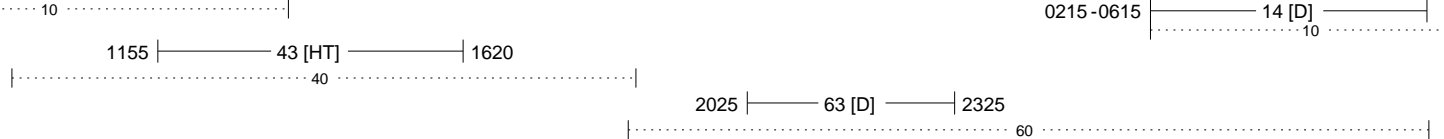
1200 RTLT 45h 8m 22s 0000 RTLT 45h 8m 26s

- 1222 YAW SSB (09:30)
- 1226 CCS CLK RST (09:34)
- 1353 CCSTIM F/C (11:01)
- 1526 CCS MEMUPDs & MROs (12:35)

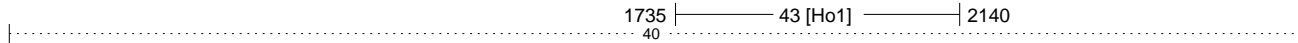
U/L 1550 | - | - - - - - TLC (SHORT-FORM) - - - - -

FDS MODE CR-5T  
XB DATA RATE(MI) 160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32  
INITIAL CONDITIONS  
RTLT: 37h 43m 20s  
CCSL: B204  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.30/.95  
GYROS: OFF

1200 RTLT 37h 43m 20s 0000 RTLT 37h 43m 20s

- 1900 NDATA MRO (5 MIN BRACKETED 08:44)

FDS MODE CR-5T  
XB DATA RATE(MI) 160(32)

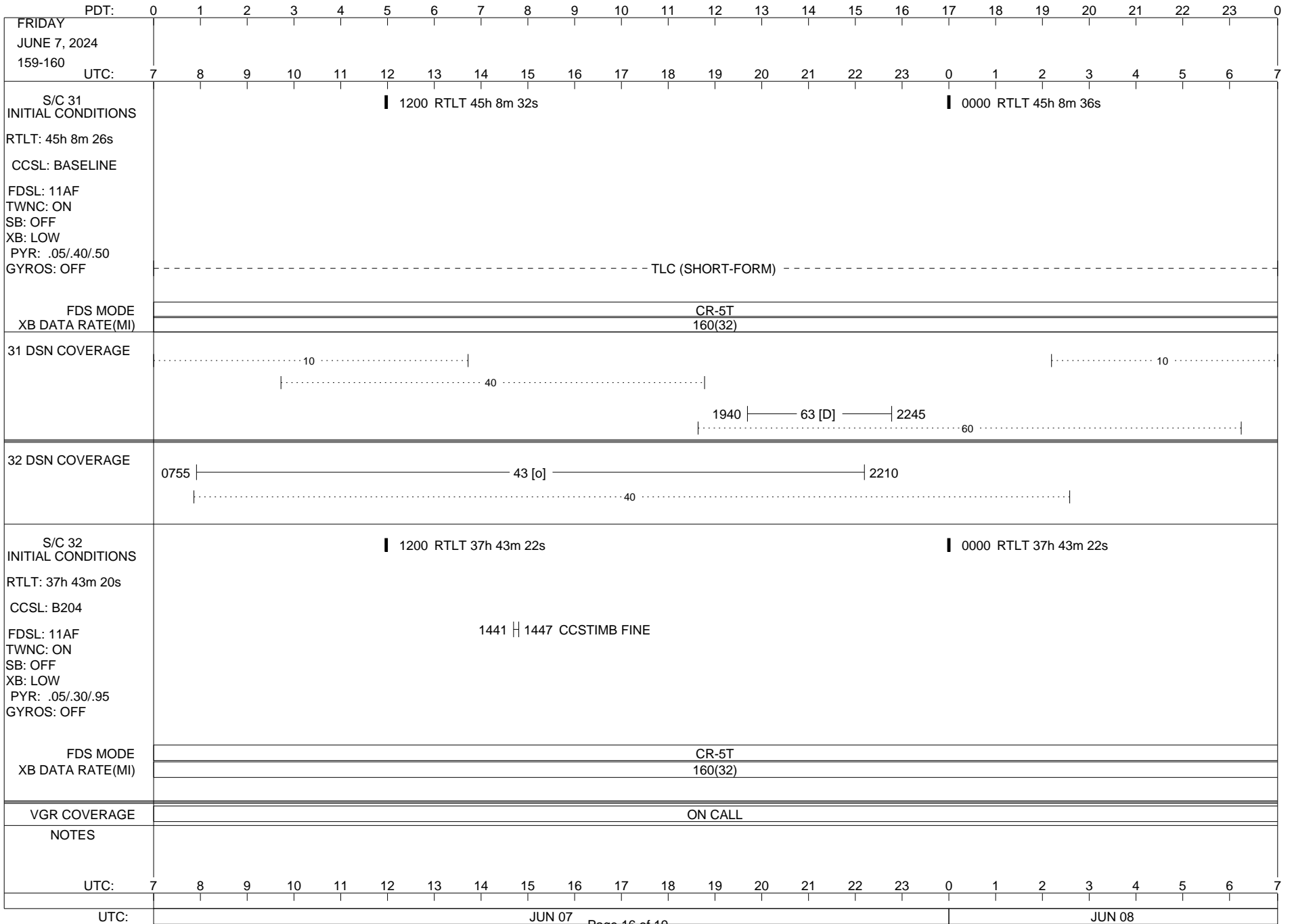
VGR COVERAGE ON CALL VGR ON CALL VGR ON CALL

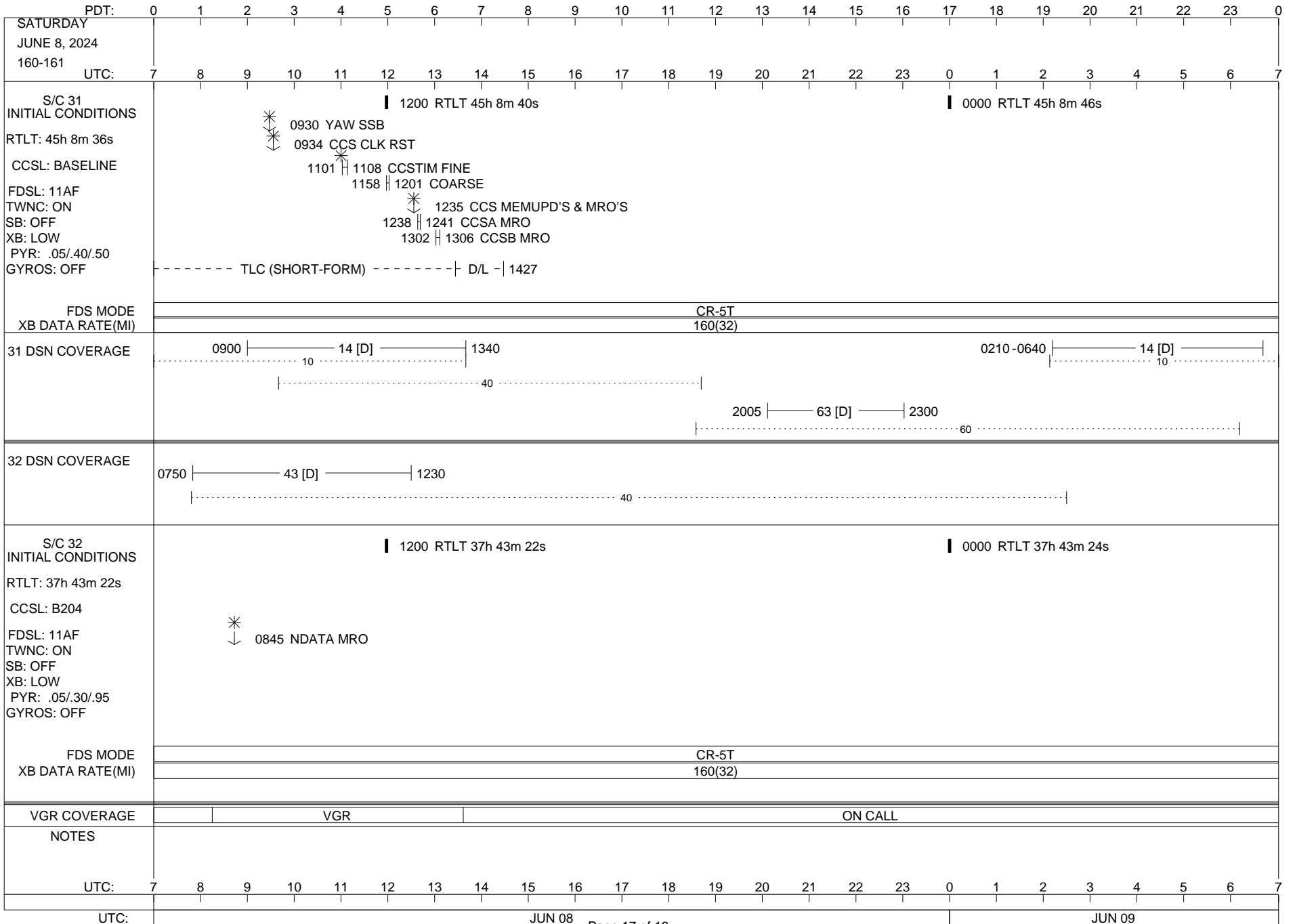
NOTES

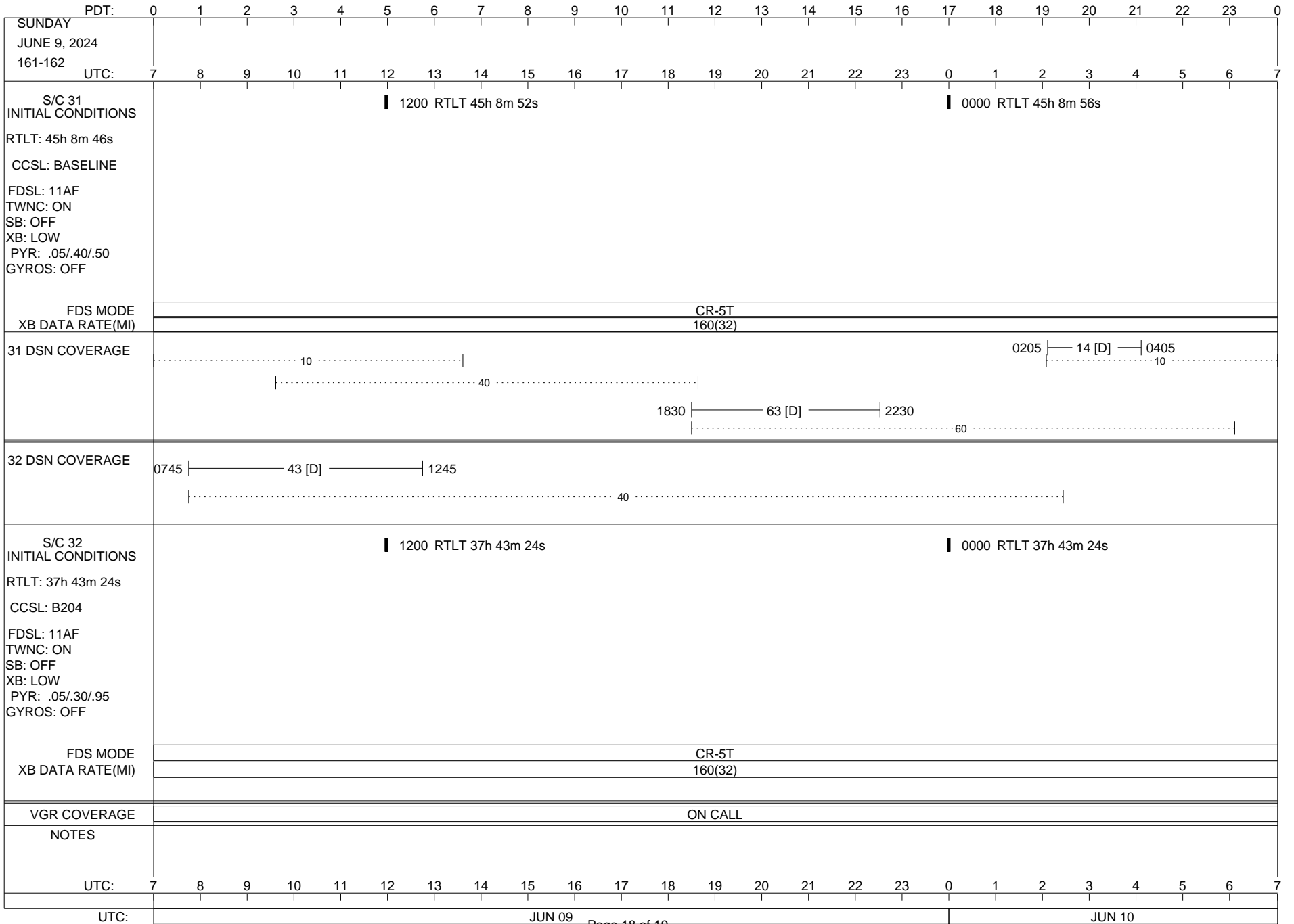
[1] DSS-43 HPTXR DRV OFF <= 01:05

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

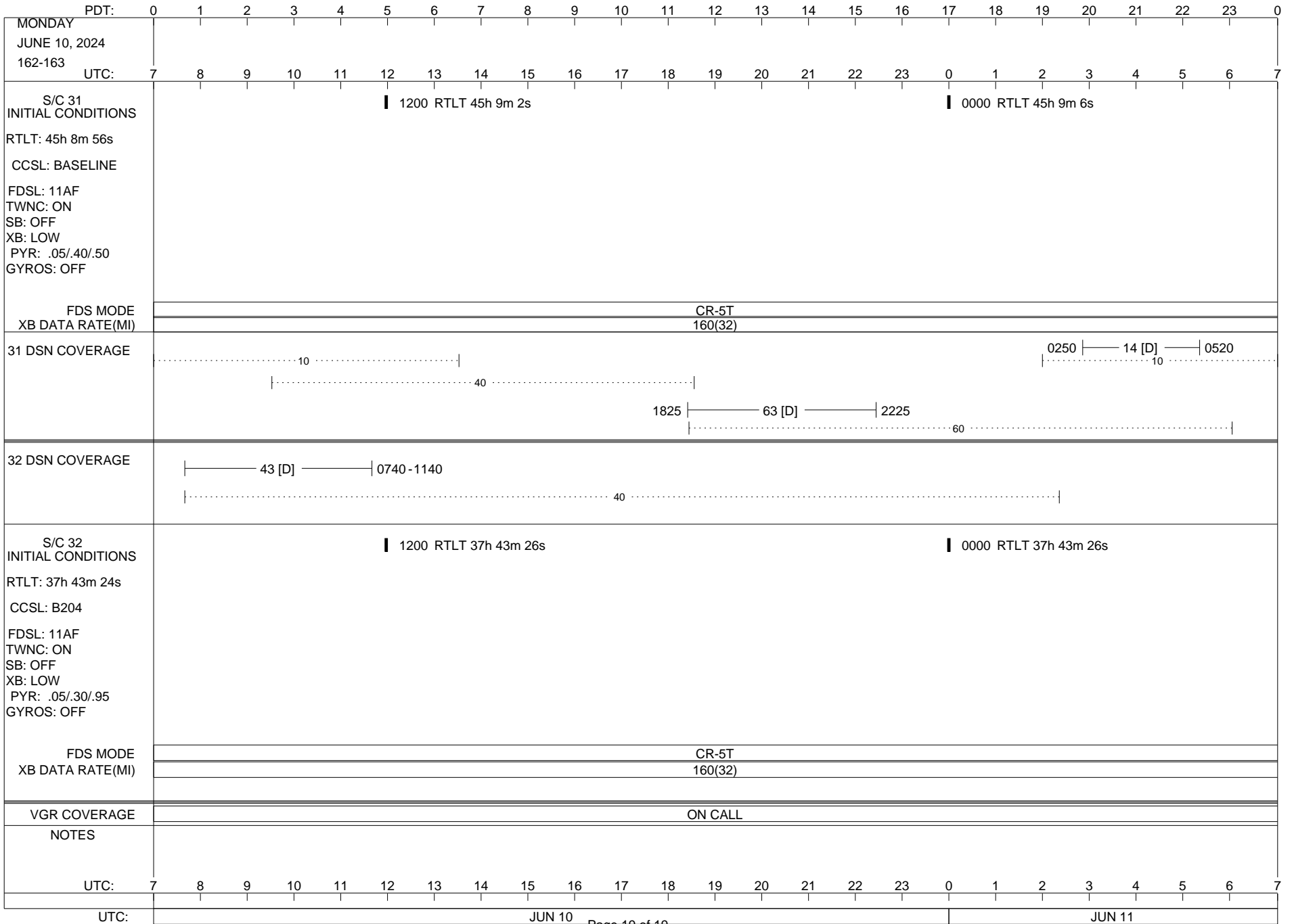
UTC: JUN 06 Page 15 of 19 JUN 07



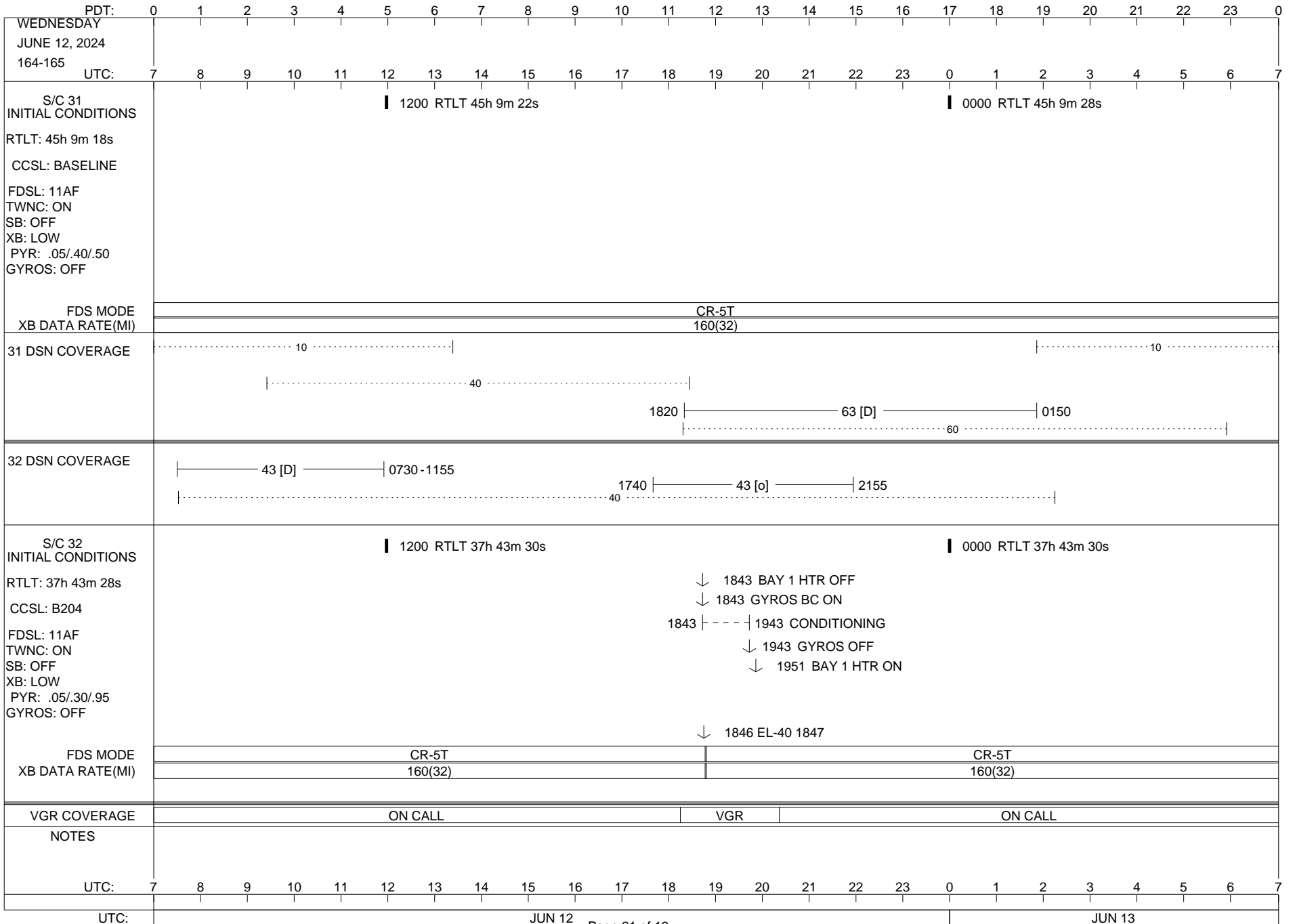




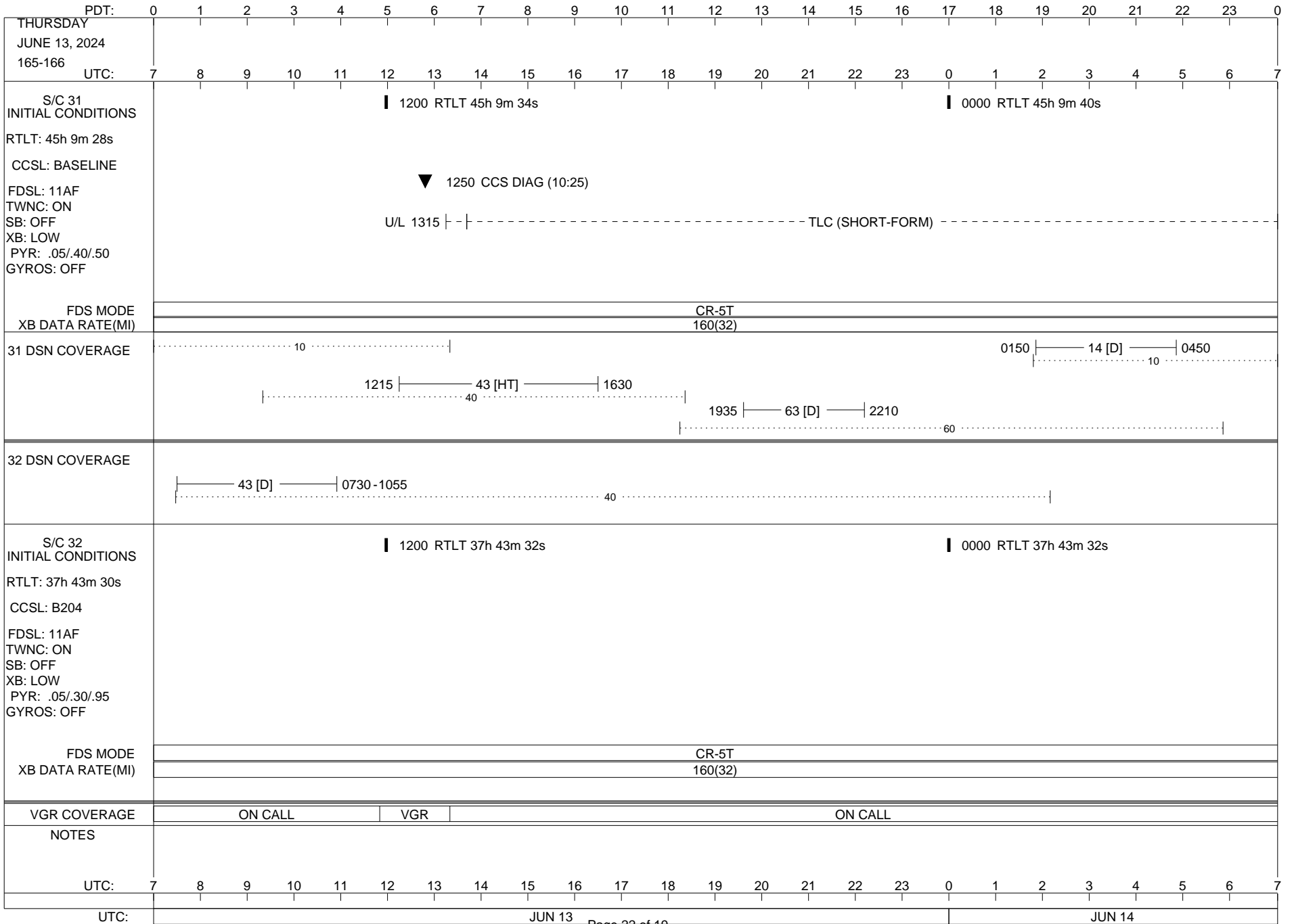
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UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
TUESDAY JUNE 11, 2024 163-164																												
S/C 31 INITIAL CONDITIONS RTLTL: 45h 9m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLT 45h 9m 12s												0000 RTLT 45h 9m 18s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	<p>..... 10 .....   ..... 10 .....</p> <p>..... 40 .....</p> <p>1825  ----- 63 [D] -----  2215</p> <p>..... 60 .....</p>																											
32 DSN COVERAGE	<p>0745  ----- 43 [D] -----  1145</p> <p>1605  ----- 43 [DA] -----  1820</p> <p>1620  ----- 36 [DAR] -----  1820</p> <p>..... 40 .....</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 37h 43m 26s CCSL: B204 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.95 GYROS: OFF	1200 RTLT 37h 43m 28s												0000 RTLT 37h 43m 28s															
	<p>↓ 1713 PYR=.05/.05/.05</p> <p>1717  ----- 1748 ASCAL</p> <p>↓ 1749 PYR=.05/.30/.95</p> <p>↓ 1750 AAC SIN FCP SWAP TABLE NOP</p> <p>↓ 1752 1 SID MRO</p>																											
FDS MODE	CR-5T												EL-40				CR-5T											
XB DATA RATE(MI)	160(32)												40(30)				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 11														JUN 12													



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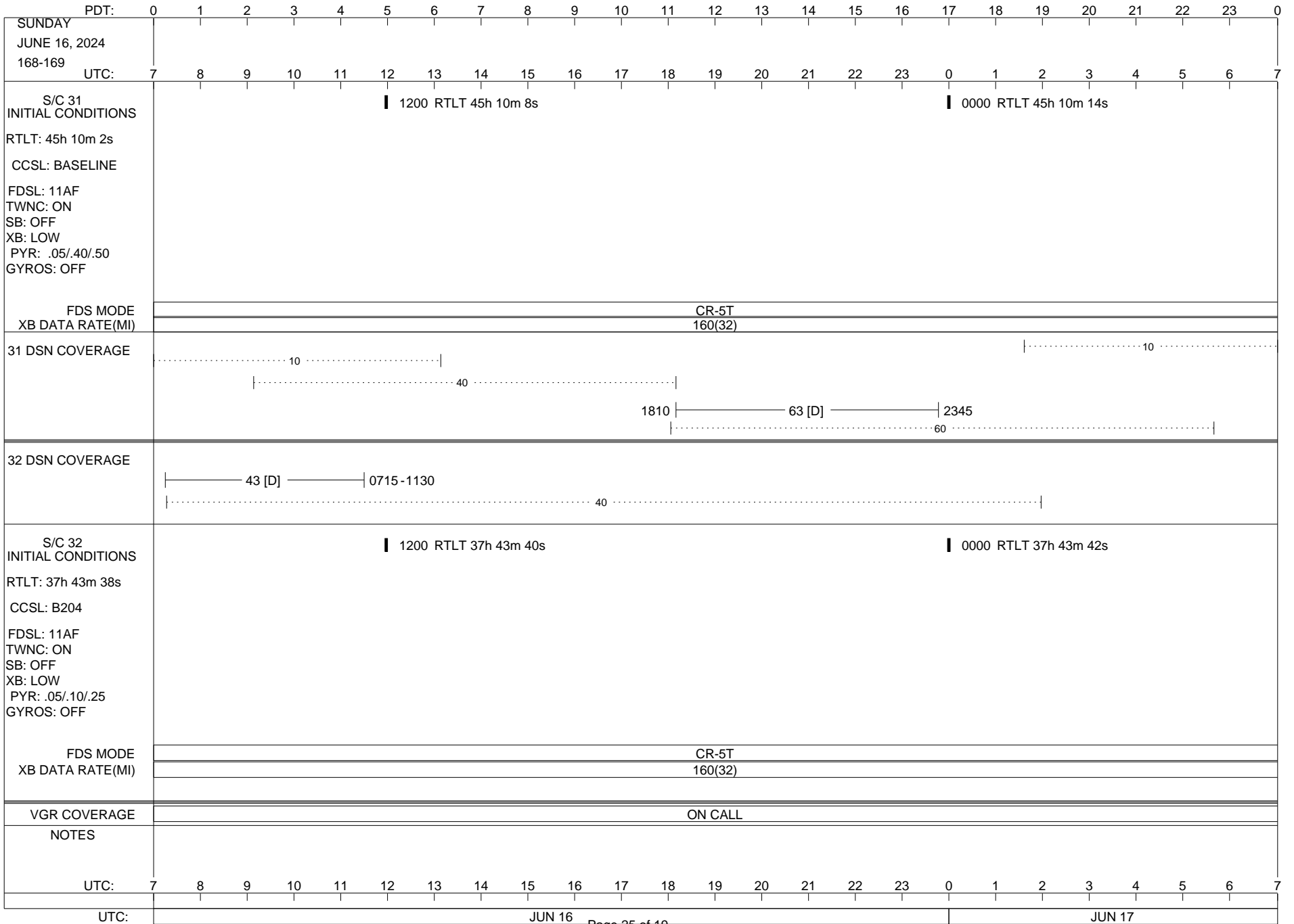


PDT:		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
FRIDAY JUNE 14, 2024 166-167																													
S/C 31 INITIAL CONDITIONS RTLT: 45h 9m 40s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF		1200 RTLT 45h 9m 44s														0000 RTLT 45h 9m 50s													
FDS MODE XB DATA RATE(MI)		CR-5T														CR-5T													
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS RTLT: 37h 43m 32s CCSL: B204 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.95 GYROS: OFF		1200 RTLT 37h 43m 34s														0000 RTLT 37h 43m 36s													
FDS MODE XB DATA RATE(MI)		CR-5T														CR-5T													
32 DSN COVERAGE																													
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 14														JUN 15													

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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
SATURDAY JUNE 15, 2024 167-168	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: 45h 9m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLT 45h 9m 56s												0000 RTLT 45h 10m 2s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	0910  -----  14 [D]  -----  1310  -----  10  -----   -----  40  -----												0140  -----  14 [D]  -----  0500  -----  10  -----  1810  -----  63 [D]  -----  2210  -----  60  -----												
32 DSN COVERAGE	43 [D]  -----  0720-1120  -----  40  -----												2125  -----  43 [o]  -----  0110  -----												
S/C 32 INITIAL CONDITIONS RTLT: 37h 43m 36s CCSL: B204 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 43m 36s												0000 RTLT 37h 43m 38s												
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 15												JUN 16												

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