

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: March 29, 2022

For the Period: 03/31/22 to 04/18/22 (22/090 – 22/109)



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

02/27/19

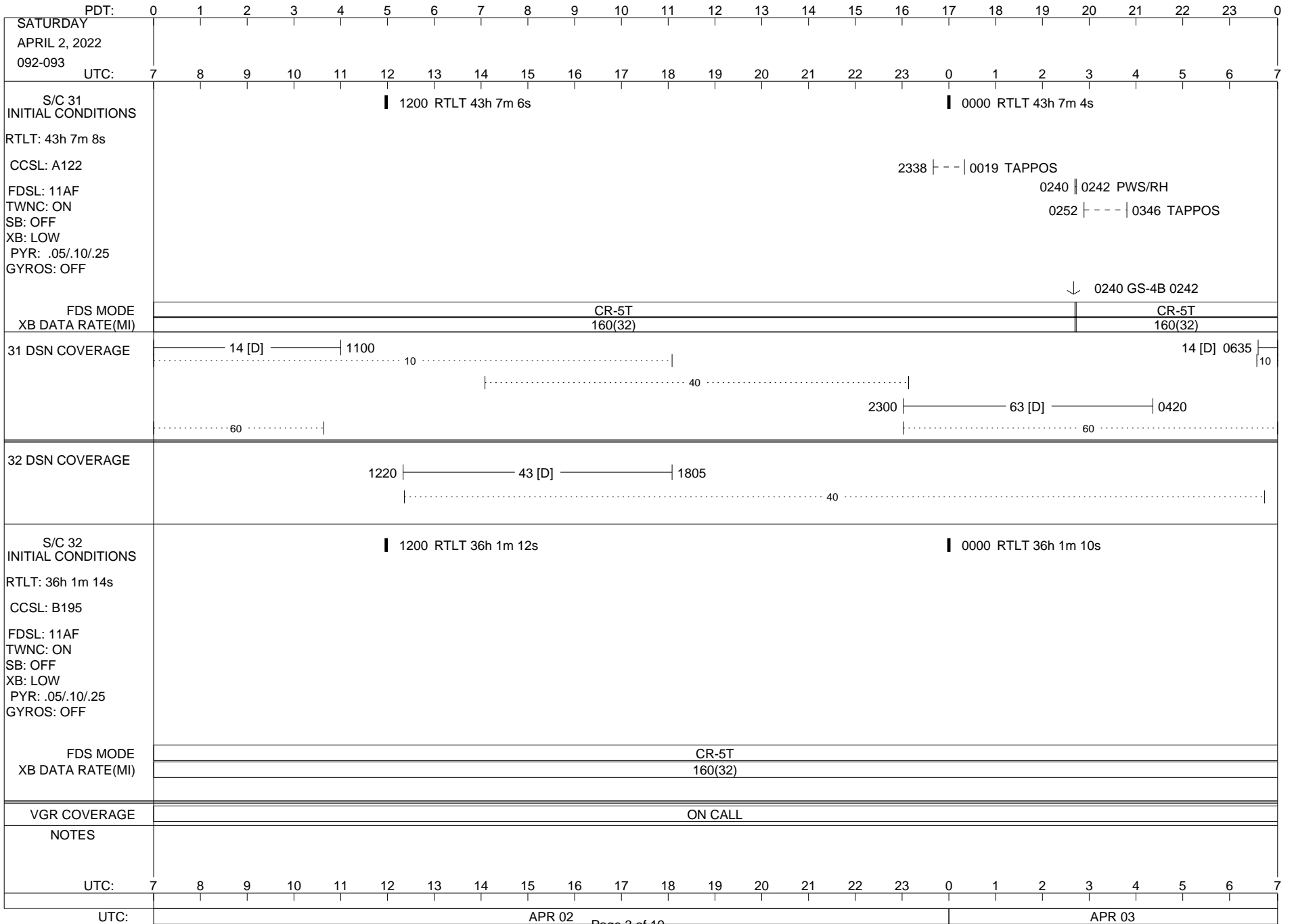
ISSUE DATE: 03/29/22 17:43

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THURSDAY MARCH 31, 2022 090-091	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: 43h 7m 14s CCSL: A122 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 43h 7m 12s												0000 RTLT 43h 7m 12s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D]   1140 .....10.....  .....40.....  60.....												2310   63 [D]   0200 .....60.....  14 [D] 0645   .....10.....												
32 DSN COVERAGE	1230   43 [o]   1630 .....40.....												0305-0650   43 [B]   .....40.....												
S/C 32 INITIAL CONDITIONS RTLTL: 36h 1m 24s CCSL: B195 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 1m 22s												0000 RTLT 36h 1m 20s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL												VGR ON CALL VGR												
NOTES	[1] S/C 31=EL-40 @ 0658 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:	MAR 31												APR 01												

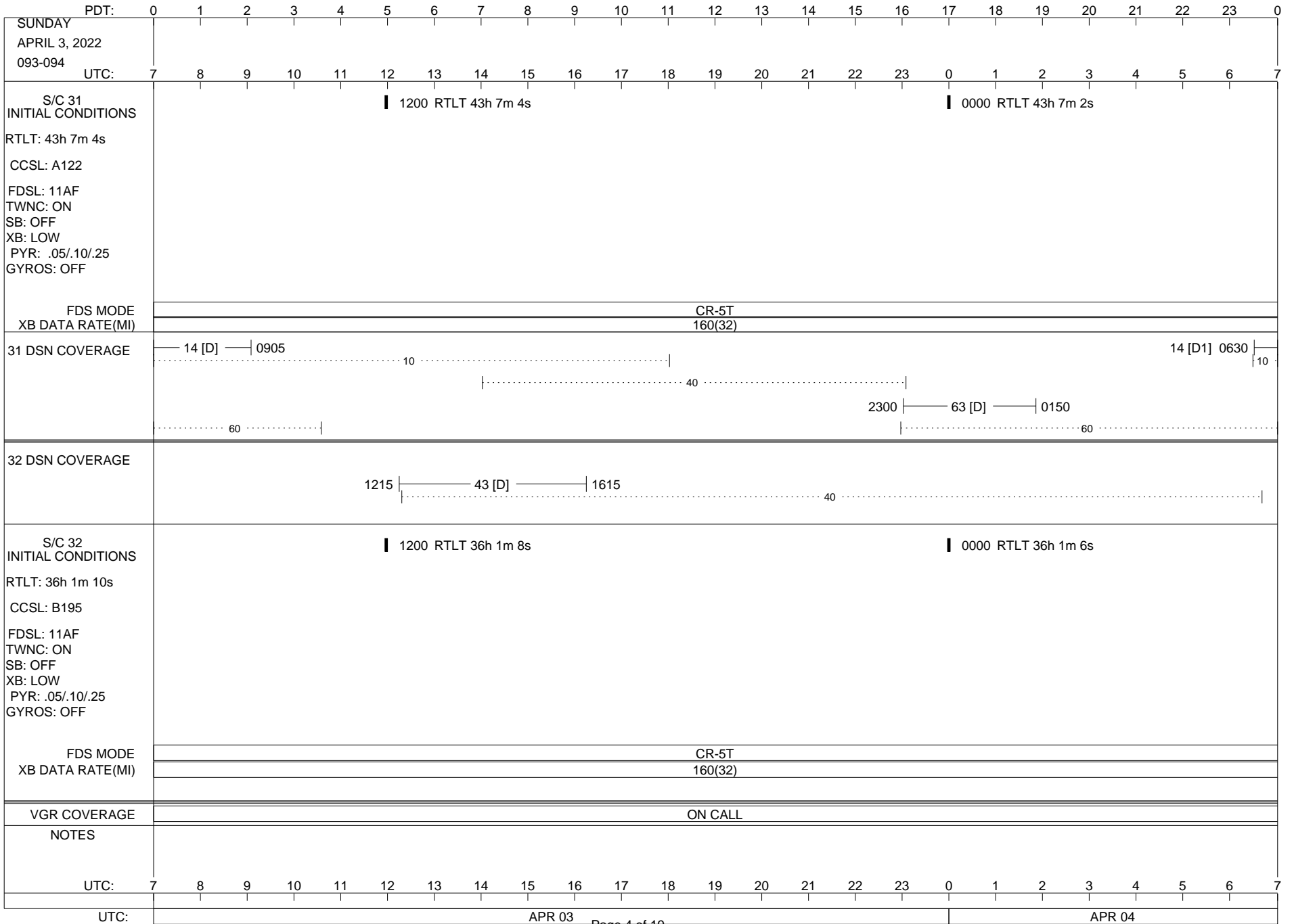
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FRIDAY APRIL 1, 2022 091-092			
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7			
S/C 31 INITIAL CONDITIONS RTLT: 43h 7m 12s CCSL: A122 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 43h 7m 10s</p> <p>0000 RTLT 43h 7m 8s</p> <p>* CCS FULMRO -    CCSA - 0713-0829 0829   CCSB - 0945</p> <p>--- TLC (SHORT-FORM)   D/L - 0850</p> <p>* ↓ 0948 CR-5T</p>		
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>EL-40 40(30)</td> <td>CR-5T 160(32)</td> </tr> </table>	EL-40 40(30)	CR-5T 160(32)
EL-40 40(30)	CR-5T 160(32)		
31 DSN COVERAGE	<p>14 [D] 1345 14 [D] 0640</p> <p>10 40 2305 63 [D] 0200 60</p>		
32 DSN COVERAGE	<p>40 0030 43 [D] 0430</p>		
S/C 32 INITIAL CONDITIONS RTLT: 36h 1m 20s CCSL: B195 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 36h 1m 18s</p> <p>0000 RTLT 36h 1m 14s</p>		
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T 160(32)</td> </tr> </table>	CR-5T 160(32)	
CR-5T 160(32)			
VGR COVERAGE	VGR ON CALL		
NOTES	[1] S/C 31=CR-5T @ 0948 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: APR 01 APR 02			

ISSUE DATE: 03/29/22 17:43

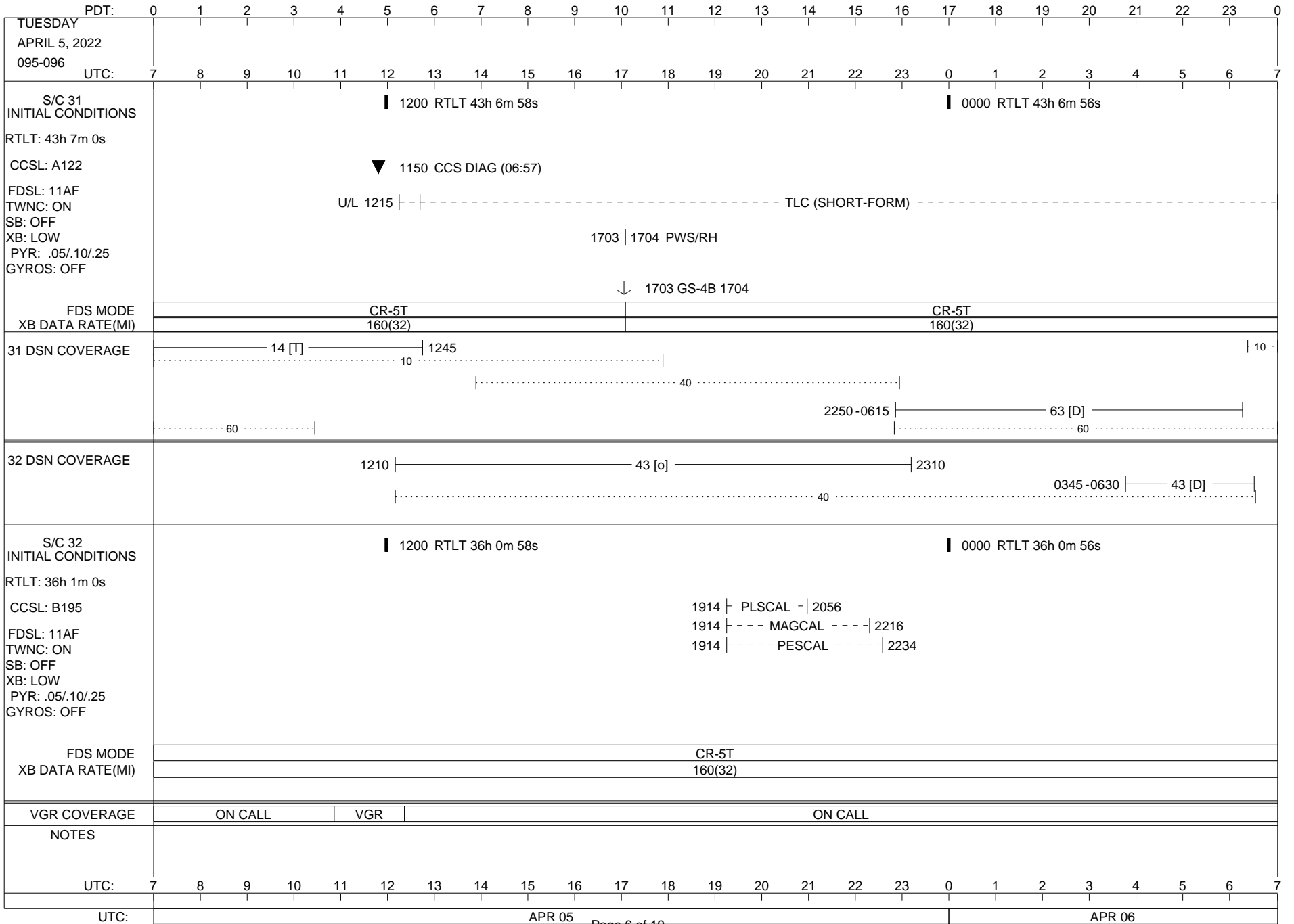


ISSUE DATE: 03/29/22 17:43



ISSUE DATE: 03/29/22 17:43

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MONDAY																												
APRIL 4, 2022																												
094-095																												
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S/C 31 INITIAL CONDITIONS		1200 RTLT 43h 7m 0s												0000 RTLT 43h 7m 0s														
RTLTL: 43h 7m 2s																												
CCSL: A122																												
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		1200 RTLT 36h 1m 2s												0000 RTLT 36h 1m 0s														
RTLTL: 36h 1m 6s																												
CCSL: B195																												
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														ON CALL														
NOTES		[1] A123 BACKUP U/L TRACK																										
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:		APR 04												APR 05														



ISSUE DATE: 03/29/22 17:43

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

APRIL 6, 2022

096-097

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 43h 6m 56s

0000 RTLT 43h 6m 54s

RTLT: 43h 6m 56s

CCSL: A122

FDSL: 11AF

TWNC: ON

SB: OFF

XB: LOW

PYR: .05/.10/.25

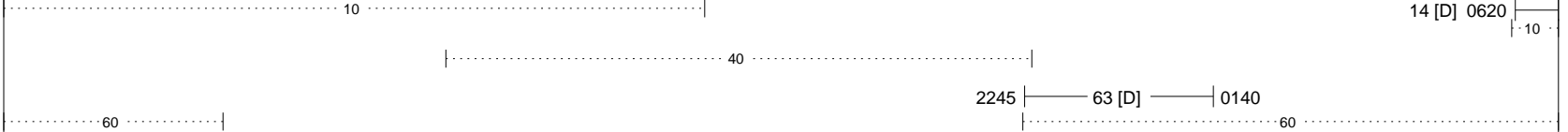
GYROS: OFF

TLC (SHORT-FORM)

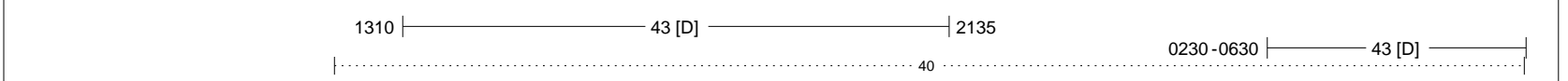
FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32  
INITIAL CONDITIONS

1200 RTLT 36h 0m 52s

0000 RTLT 36h 0m 50s

RTLT: 36h 0m 56s

CCSL: B195

FDSL: 11AF

TWNC: ON

SB: OFF

XB: LOW

PYR: .05/.10/.25

GYROS: OFF

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

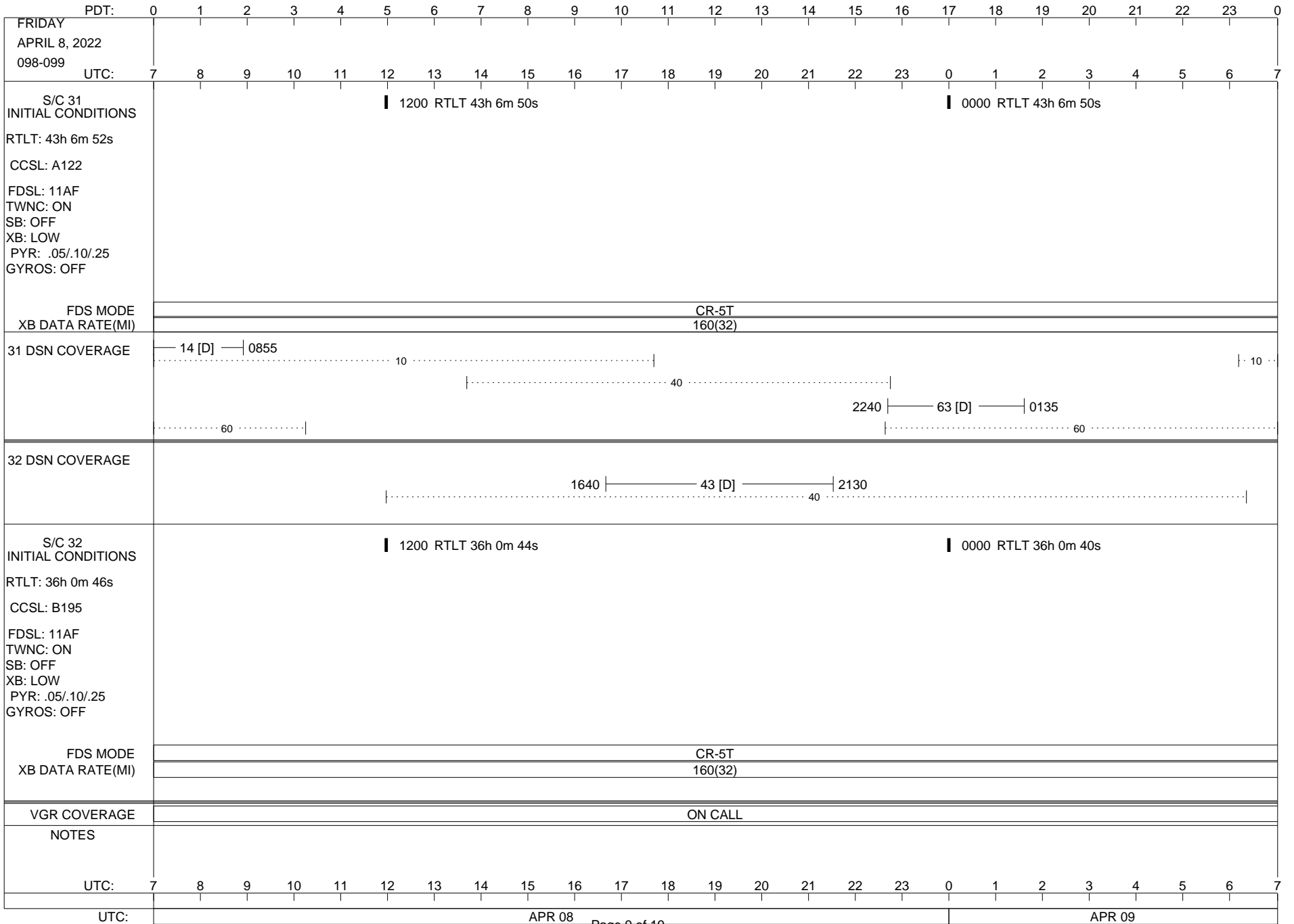
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ISSUE DATE: 03/29/22 17:43

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THURSDAY APRIL 7, 2022 097-098																												
S/C 31 INITIAL CONDITIONS RTLT: 43h 6m 54s CCSL: A122 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 43h 6m 52s												0000 RTLT 43h 6m 52s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	<p>14 [D] 1010</p> <p>10</p> <p>40</p> <p>2240 63 [D] 0240</p> <p>60</p> <p>14 [D] 0615</p> <p>10</p>																											
32 DSN COVERAGE	<p>1200 43 [D] 1605</p> <p>40</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 36h 0m 50s CCSL: B195 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 0m 48s												0000 RTLT 36h 0m 46s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												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:	APR 07														APR 08													

ISSUE DATE: 03/29/22 17:43



ISSUE DATE: 03/29/22 17:43

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SATURDAY APRIL 9, 2022 099-100																									
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S/C 31 INITIAL CONDITIONS RTLTL: 43h 6m 50s CCSL: A122 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 43h 6m 48s												█ 0000 RTLTL 43h 6m 48s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0800  -----  14 [D]  -----  1200 ..... -----  10 .....												14 [D] 0605  -----  10 .....												
	..... -----  40 .....												0040  -----  63 [D]  -----  0310 ..... -----  60 .....												
32 DSN COVERAGE	1155  -----  43 [B]  -----  1555 ..... -----  40 .....																								
S/C 32 INITIAL CONDITIONS RTLTL: 36h 0m 40s CCSL: B195 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 36h 0m 38s												█ 0000 RTLTL 36h 0m 36s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	▼ 1257 DUMMY (5 MIN BRACKETED 00:58)																								
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:	APR 09												APR 10												

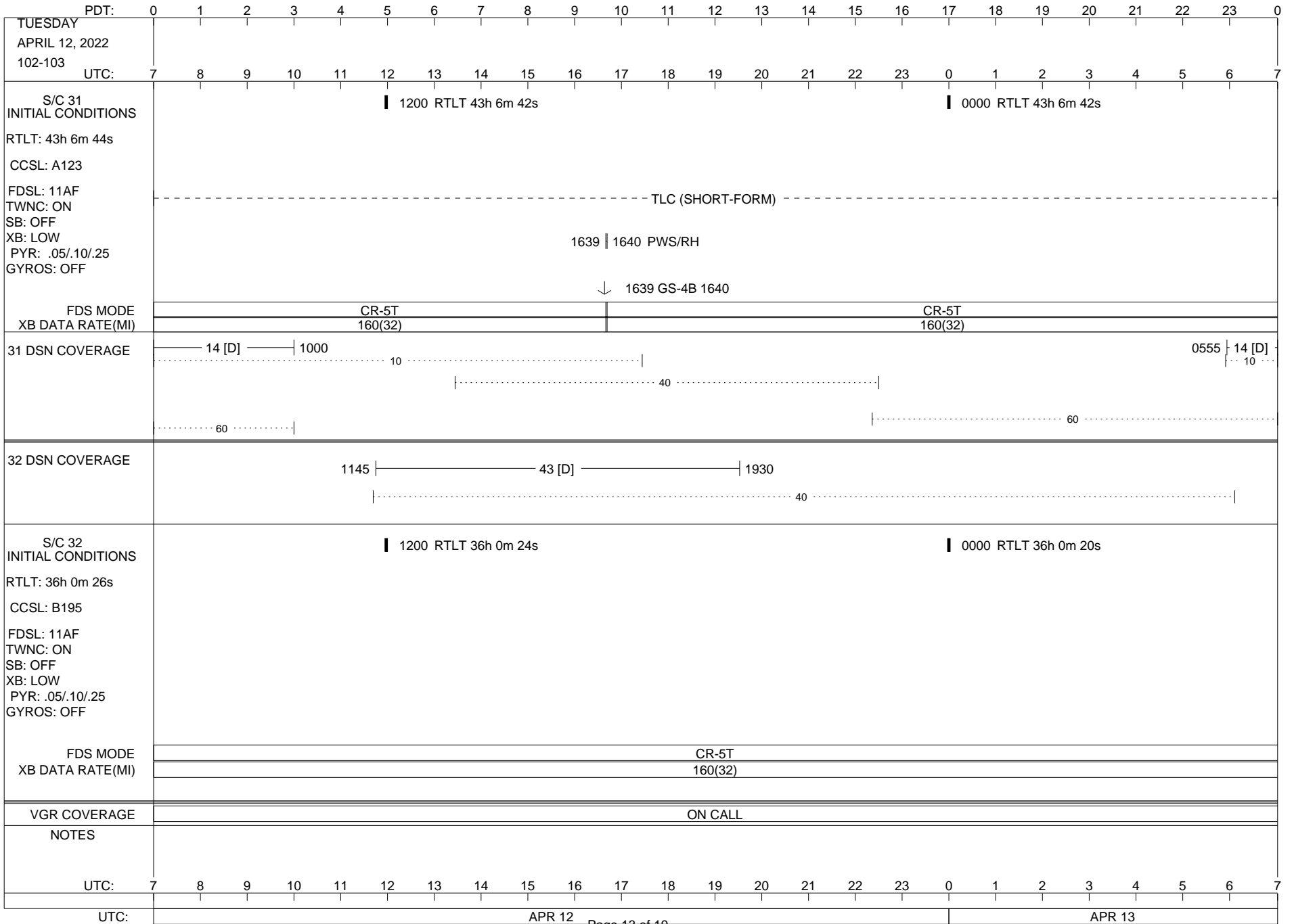
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SUNDAY APRIL 10, 2022 100-101	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 43h 6m 48s CCSL: A122 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 43h 6m 46s												0000 RTLT 43h 6m 46s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0850												10 40 2230 63 [D] 0230 60												
32 DSN COVERAGE	1150 43 [D] 1700												40 0125-0615 43 [D]												
S/C 32 INITIAL CONDITIONS RTLT: 36h 0m 36s CCSL: B195 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 0m 34s												0000 RTLT 36h 0m 30s												
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:	APR 10												APR 11												

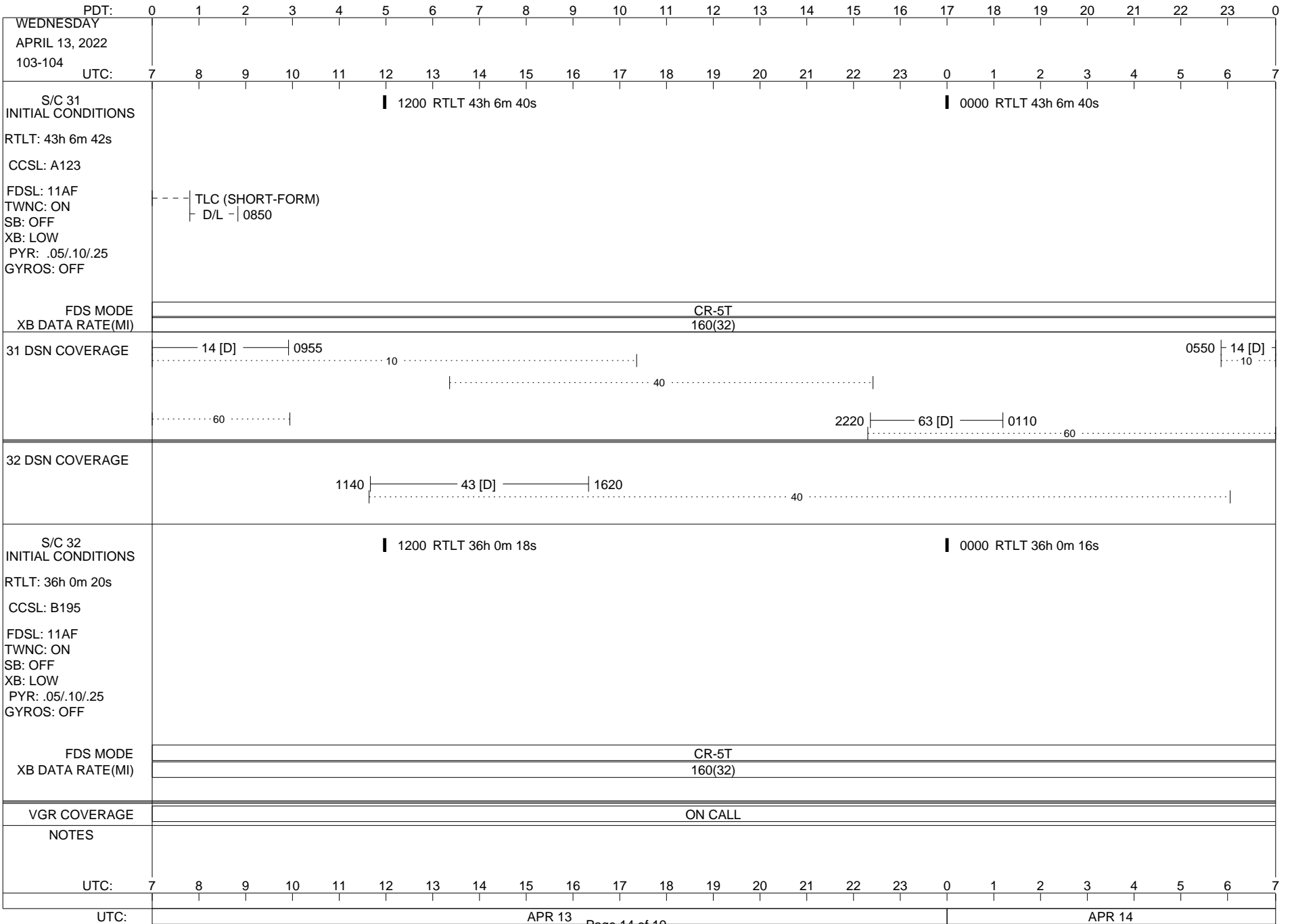
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MONDAY APRIL 11, 2022 101-102	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 43h 6m 46s CCSL: A122 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 43h 6m 44s												0000 RTLT 43h 6m 44s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	1000  -----  14 [T]  -----  1445												0600   14 [D]  -----												
	-----  40  -----												0320-0620  -----  63 [D]  -----												
	-----  60  -----												-----  60  -----												
32 DSN COVERAGE	1145  -----  43 [D]  -----  1610												-----  40  -----												
S/C 32 INITIAL CONDITIONS RTLTL: 36h 0m 30s CCSL: B195 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 0m 28s												0000 RTLT 36h 0m 26s												
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
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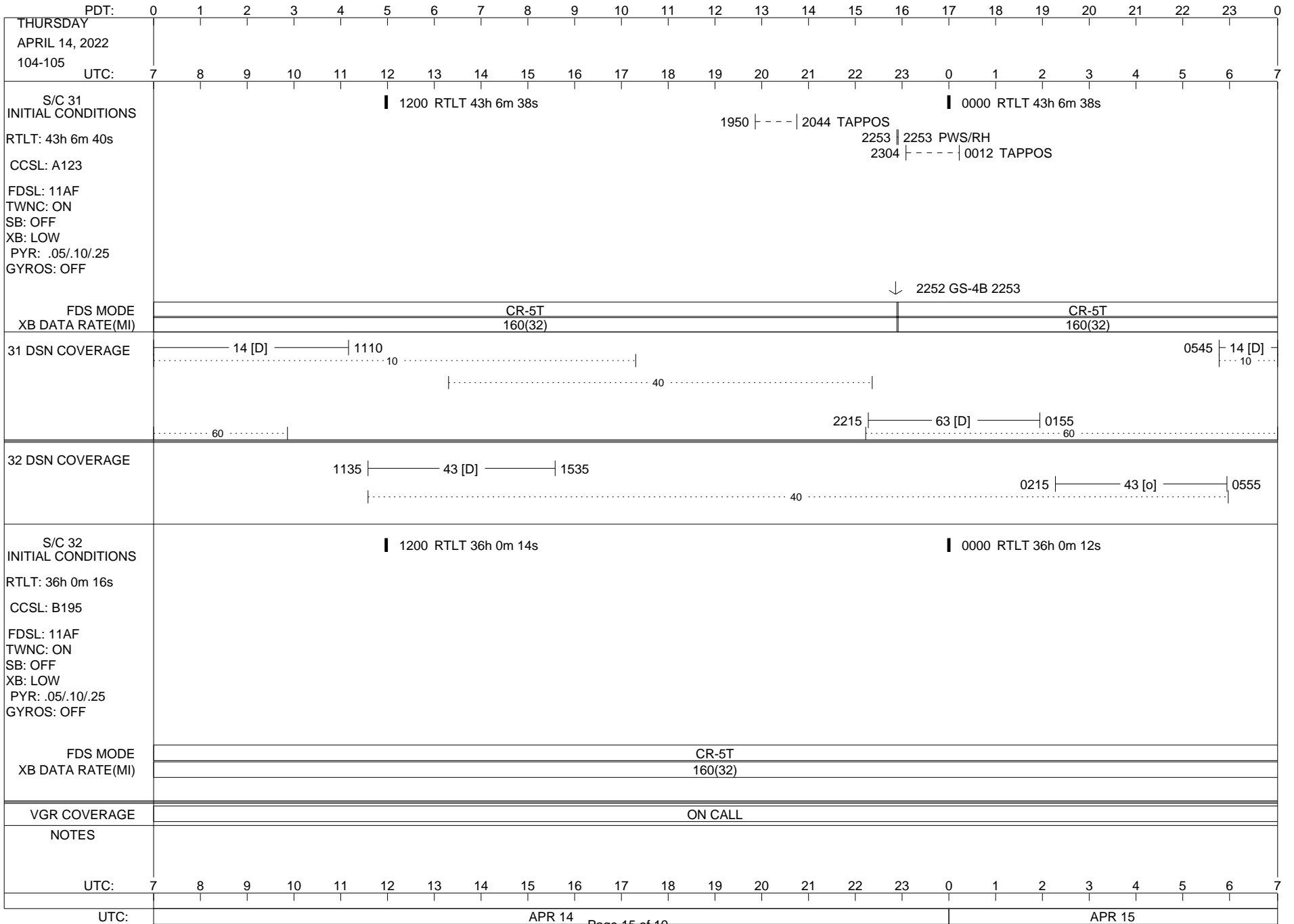
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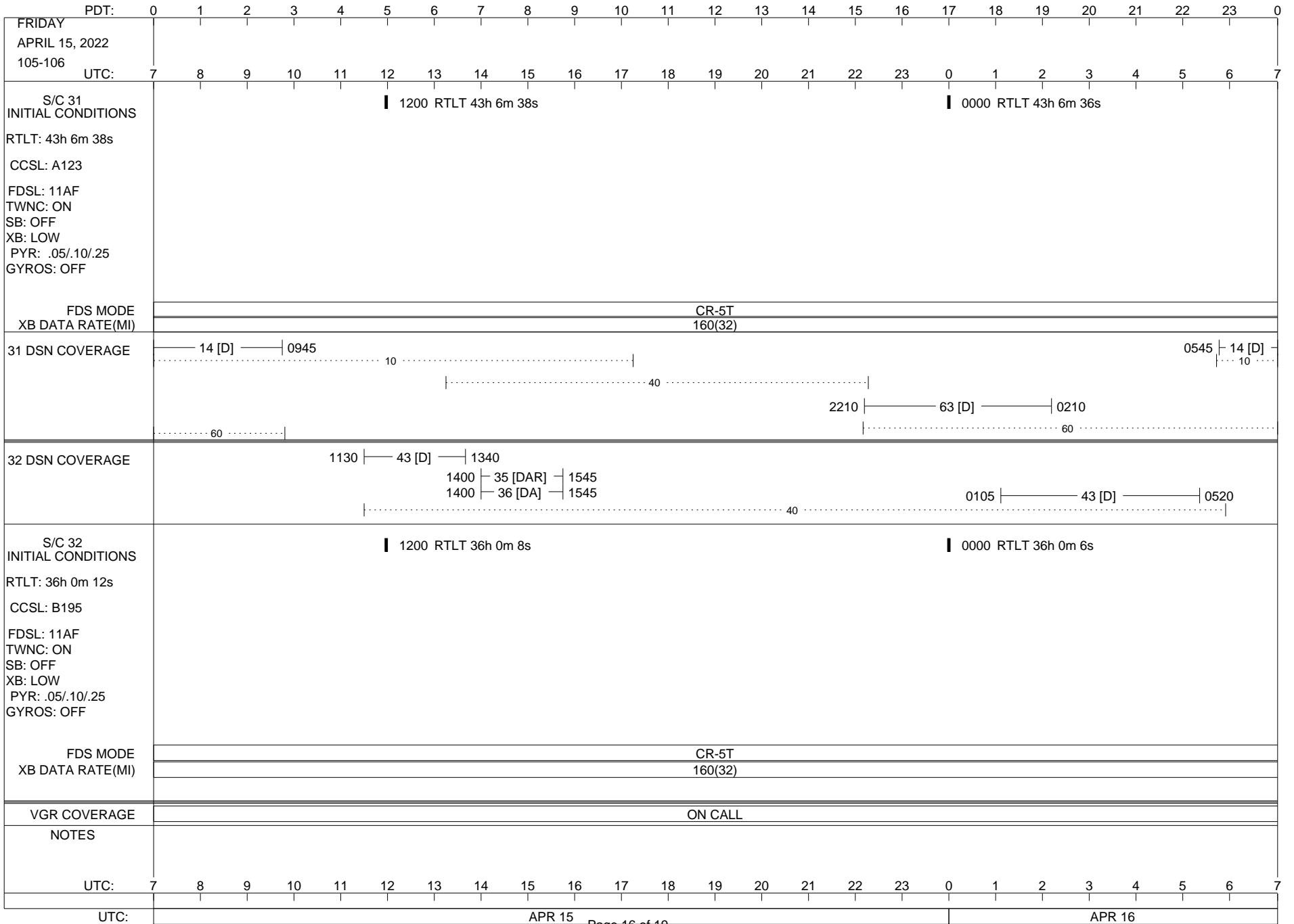


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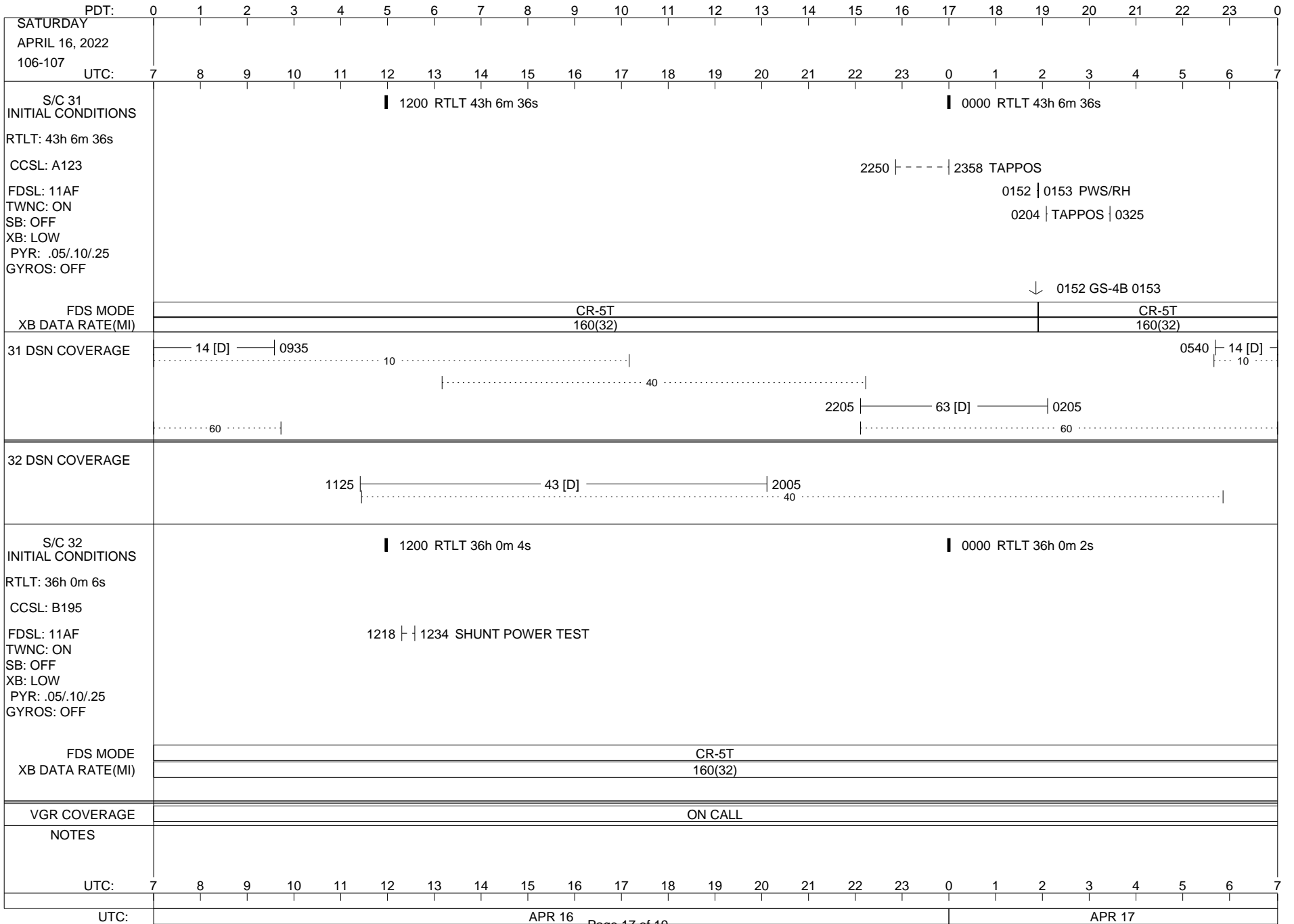




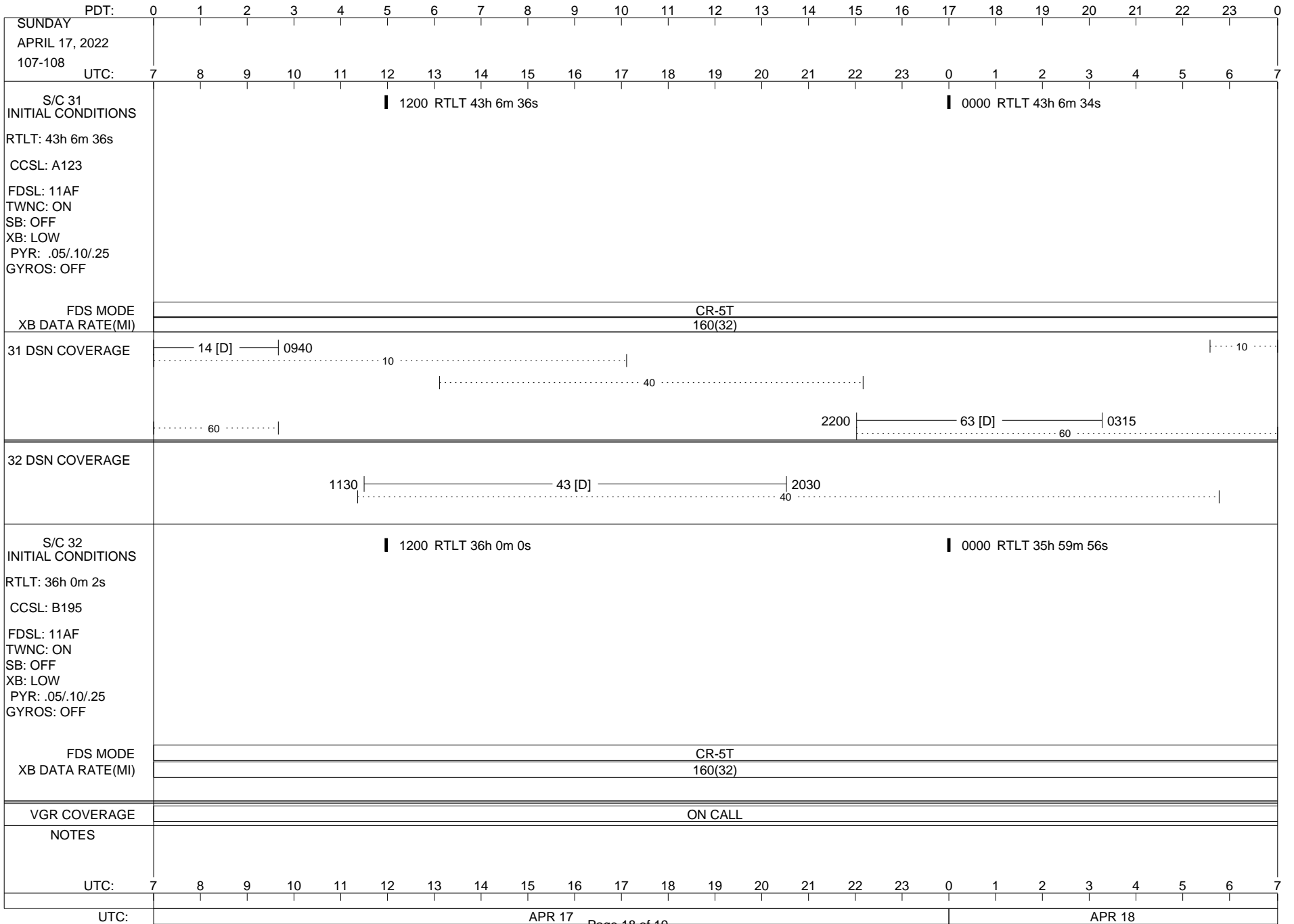
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ISSUE DATE: 03/29/22 17:43

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S/C 31 INITIAL CONDITIONS RTLTL: 43h 6m 34s CCSL: A123 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 43h 6m 34s												0000 RTLTL 43h 6m 34s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	..... 10.....												0535   14 [T]    .....10.....												
	.....40.....												2200  -----63 [D]----- 0445  .....60.....												
32 DSN COVERAGE	1135  -----43 [B]----- 1520  .....40.....																								
S/C 32 INITIAL CONDITIONS RTLTL: 35h 59m 56s CCSL: B195 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 59m 54s												0000 RTLTL 35h 59m 52s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL						VGR						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:	APR 18												APR 19												