

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 30, 2022

For the Period: 12/01/22 to 12/19/22 (22/335 – 22/353)



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: 11/30/22 07:56

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

THURSDAY
DECEMBER 1, 2022
335-336 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: 44h 5m 42s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05.100/.25
GYROS: OFF

1200 RTLT 44h 5m 48s
0000 RTLT 44h 5m 52s

2258 * | 2318 A125BB CHKSUM
2326 * | 2334 FINE
0026 || 0029 COARSE

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

31 DSN COVERAGE
0710 43 [D] 2230 43 [D1] 0435
40 40
60

32 DSN COVERAGE
0810 43 [o] 1130 2020 43 [D] 2140 0520 43 [D]
40 40

S/C 32
INITIAL CONDITIONS
RTLT: 36h 44m 2s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 36h 44m 10s
0000 RTLT 36h 44m 18s

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

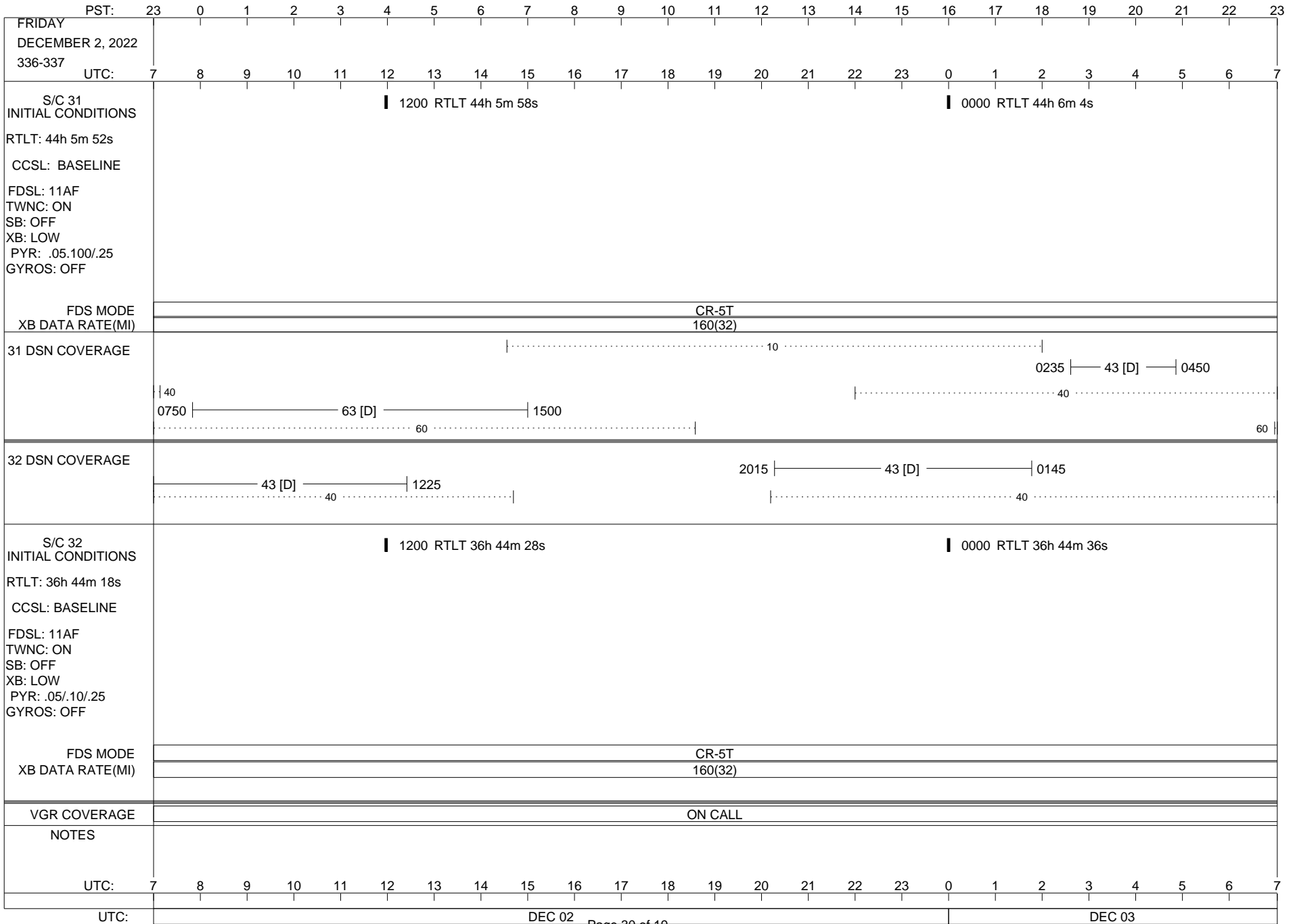
VGR COVERAGE ON CALL VGR ON CALL

NOTES
[1] A125B BACKUP U/L TRACK

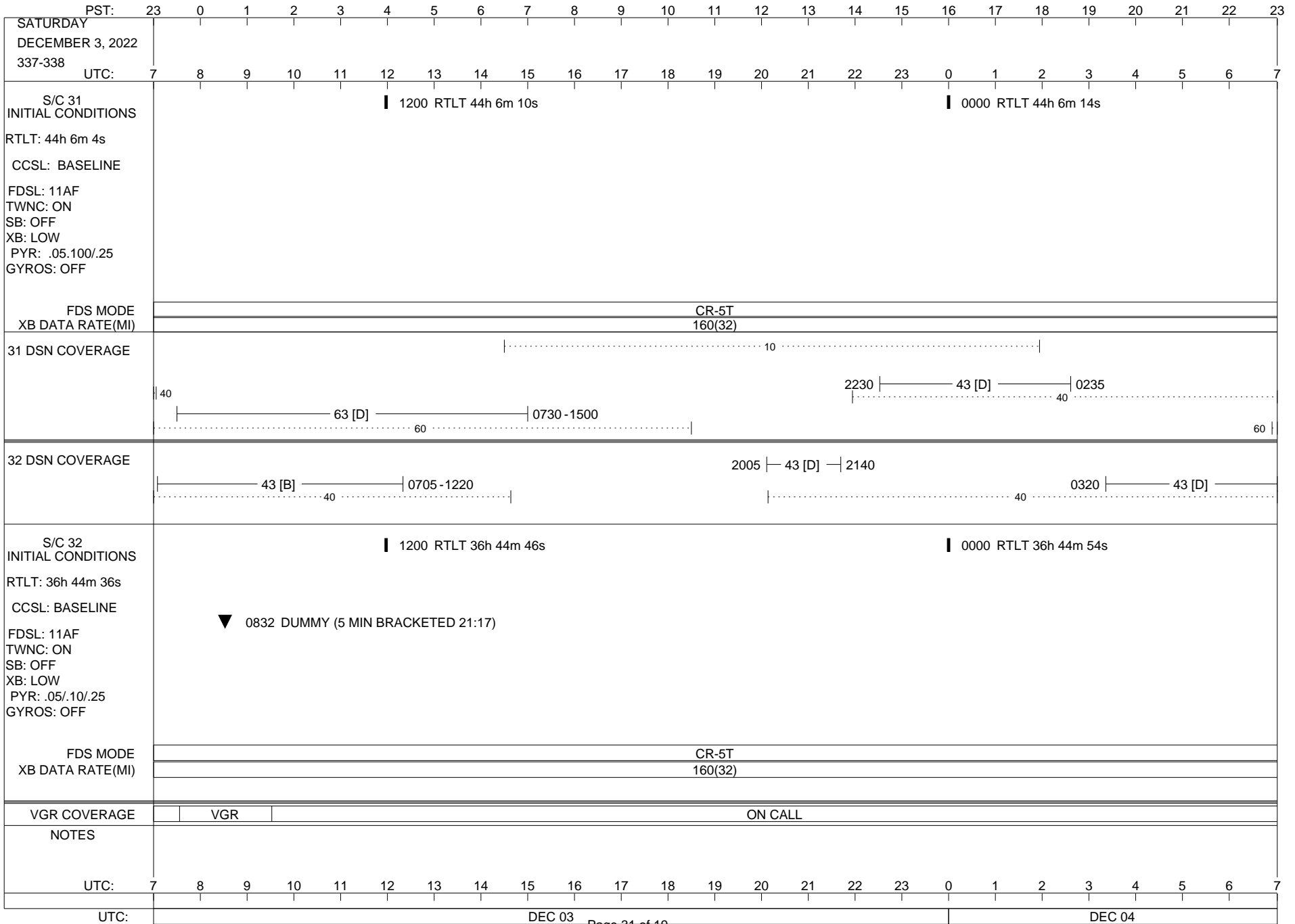
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UTC: DEC 01 DEC 02

ISSUE DATE: 11/30/22 07:56



ISSUE DATE: 11/30/22 07:56

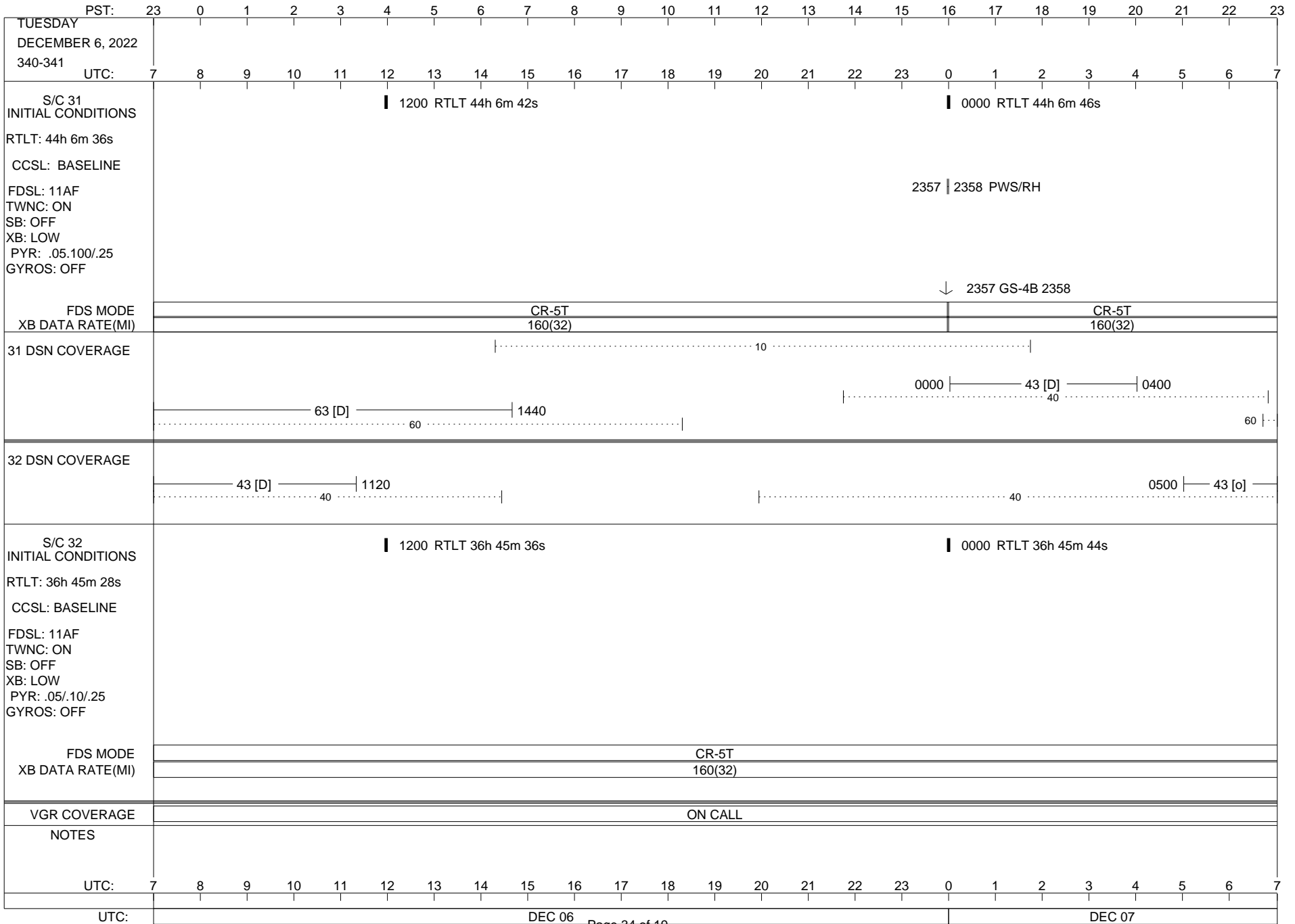


ISSUE DATE: 11/30/22 07:56

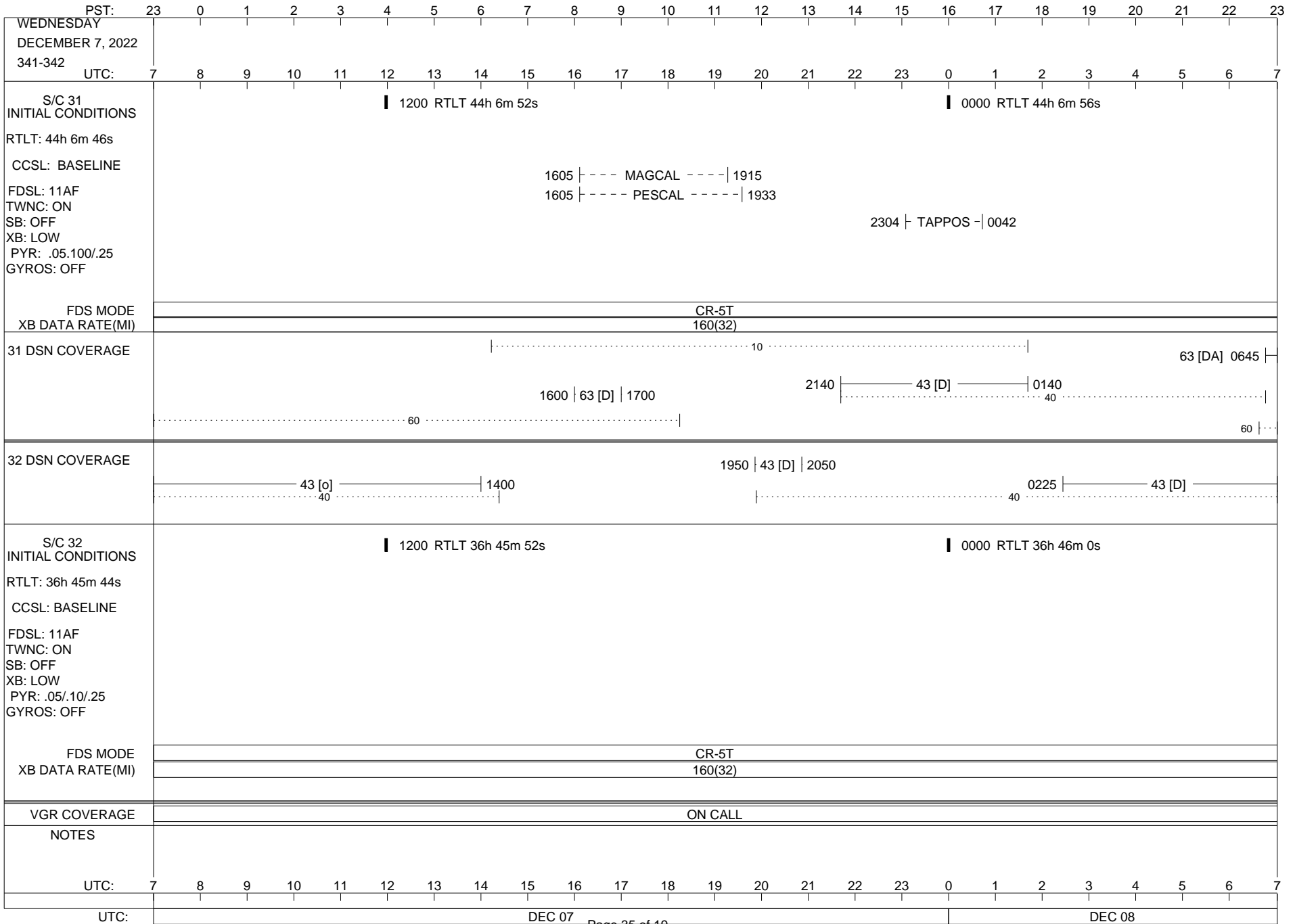
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SUNDAY DECEMBER 4, 2022 338-339	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 44h 6m 14s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05.100/.25 GYROS: OFF	1200 RTLT 44h 6m 20s											0000 RTLT 44h 6m 26s														
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)														
31 DSN COVERAGE 10 40														
	----- 63 [D] ----- 0705-1545											----- 63 [D] 0700														
 60 60														
32 DSN COVERAGE	----- 43 [D] ----- 1330											2005 ----- 43 [D] ----- 0405														
 40 40														
S/C 32 INITIAL CONDITIONS RTLT: 36h 44m 54s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 45m 2s											0000 RTLT 36h 45m 10s														
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:	DEC 04											DEC 05														

ISSUE DATE: 11/30/22 07:56

PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
MONDAY DECEMBER 5, 2022 339-340	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: 44h 6m 26s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05.100/.25 GYROS: OFF	1200 RTLT 44h 6m 30s												0000 RTLT 44h 6m 36s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	63 [D] 0700-1145												63 [D] 0650												
32 DSN COVERAGE	0755 43 [D] 1155												0530 43 [D]												
S/C 32 INITIAL CONDITIONS RTLT: 36h 45m 10s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 45m 20s												0000 RTLT 36h 45m 28s												
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:	DEC 05												DEC 06												



ISSUE DATE: 11/30/22 07:56



ISSUE DATE: 11/30/22 07:56

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

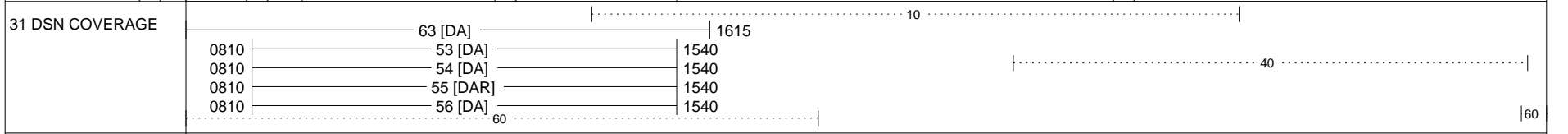
THURSDAY
DECEMBER 8, 2022
342-343

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: 44h 6m 56s
 CCSL: BASELINE
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05/100/.25
 GYROS: OFF

1200 RTLT 44h 7m 2s
 0826 BAY 1 HTR OFF
 0830 X/B HI POWER
 0852 YAW=.05
 0903 |-----| PLAYBACK -----| 1539
 1543 X/B LOW POWER
 1547 BAY 1 HTR ON
 1548 YAW=.10
 0903 PB-14 0903
 1539 CR-5T 1539

FDS MODE	CR-5T	PB-14	CR-5T
XB DATA RATE(MI)	160(32)	1.4K(39)	160(32)



S/C 32
INITIAL CONDITIONS
 RTLT: 36h 46m 0s
 CCSL: BASELINE
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05/10/.25
 GYROS: OFF

1200 RTLT 36h 46m 10s
 0000 RTLT 36h 46m 18s

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

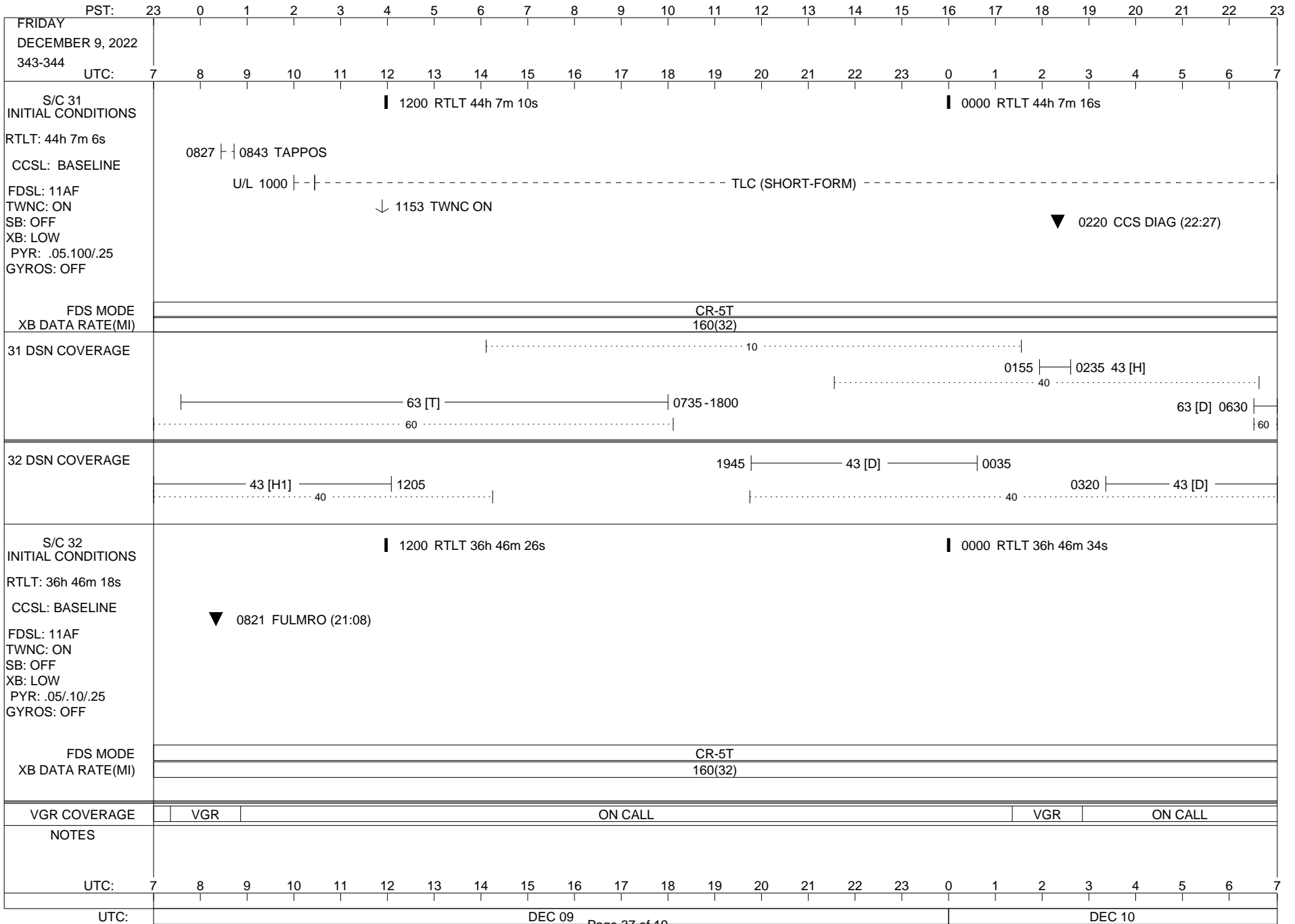
VGR COVERAGE	VGR	ON CALL
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NOTES

[1] HP TXR DRV ON >= 21:13 AND OFF <= 12:48

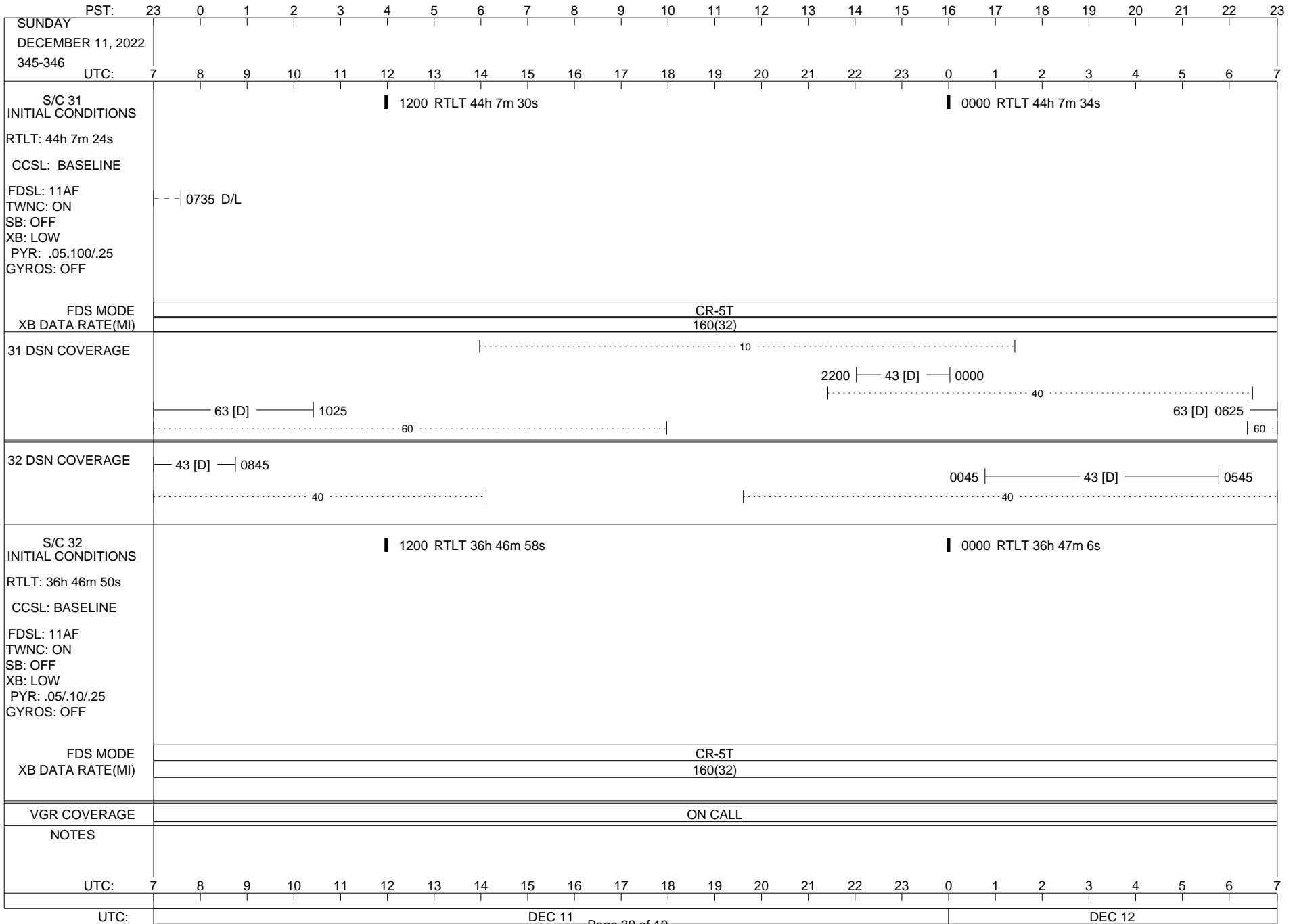
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UTC: DEC 08 DEC 09



PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SATURDAY DECEMBER 10, 2022 344-345	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: 44h 7m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05.100/.25 GYROS: OFF	1200 RTLTL 44h 7m 20s											0000 RTLTL 44h 7m 24s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	----- 10 -----											----- 40 -----													
	63 [D] ----- 1555											63 [D] 0625 ----- 60													
32 DSN COVERAGE	43 [D] ----- 1225											2030 ----- 43 [D] ----- 40													
S/C 32 INITIAL CONDITIONS RTLTL: 36h 46m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 36h 46m 42s											0000 RTLTL 36h 46m 50s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)											EL-40 2109 ↓													
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:	DEC 10											Page 38 of 19						DEC 11							

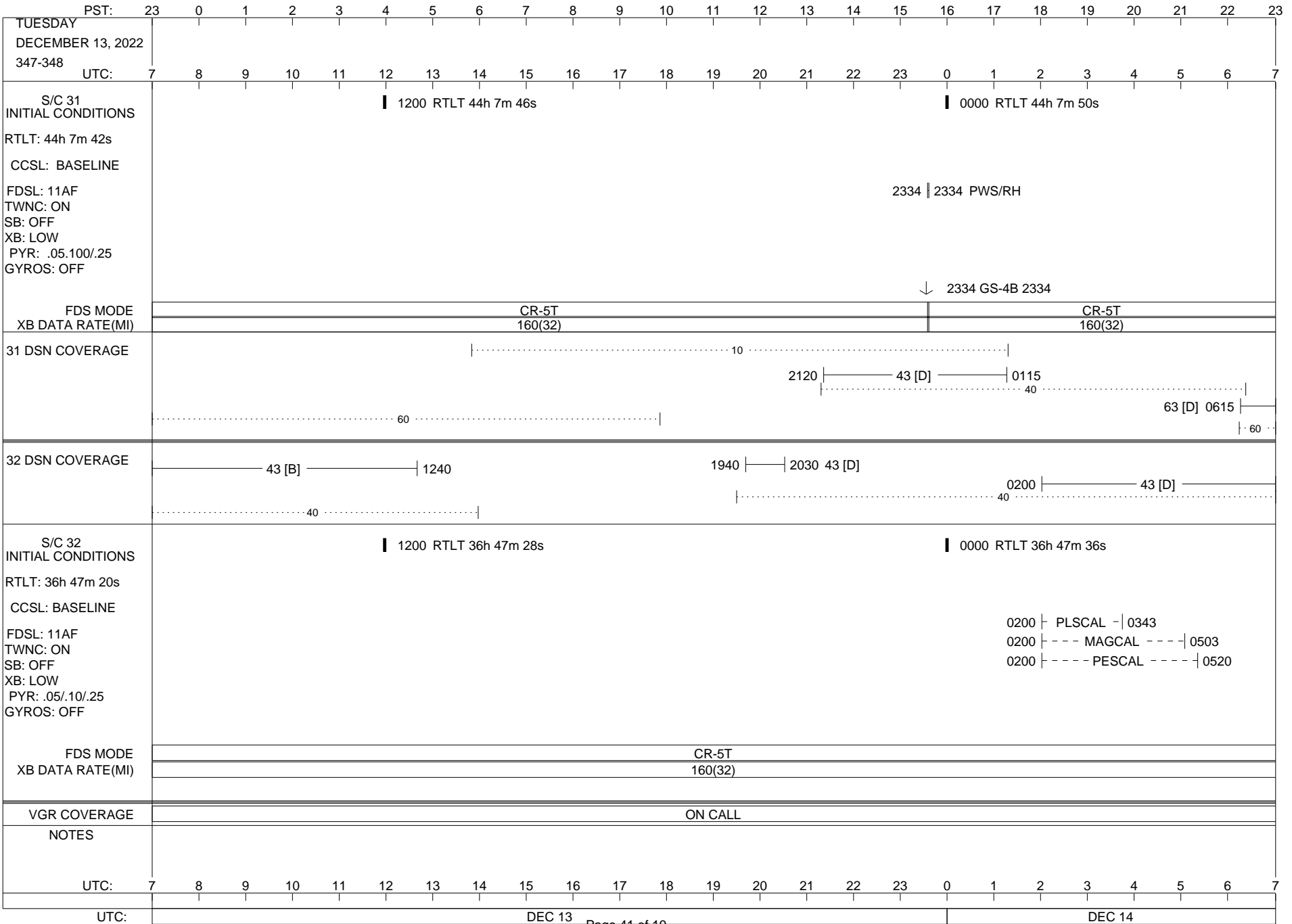
ISSUE DATE: 11/30/22 07:56



ISSUE DATE: 11/30/22 07:56

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MONDAY DECEMBER 12, 2022 346-347		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: 44h 7m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/100/.25 GYROS: OFF		1200 RTLT 44h 7m 38s													0000 RTLT 44h 7m 42s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																										
31 DSN COVERAGE		----- 10													2120 ----- 43 [D] ----- 0305													
		63 [D] ----- 1430													40 ----- 60													
32 DSN COVERAGE		40 -----													0405 ----- 43 [B]													
S/C 32 INITIAL CONDITIONS RTLT: 36h 47m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF		1200 RTLT 36h 47m 12s													0000 RTLT 36h 47m 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:		DEC 12													DEC 13													

ISSUE DATE: 11/30/22 07:56



ISSUE DATE: 11/30/22 07:56

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

WEDNESDAY
DECEMBER 14, 2022
348-349

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 44h 7m 54s
 0000 RTLT 44h 7m 58s

RTLT: 44h 7m 50s
 CCSL: BASELINE
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05.100/.25
 GYROS: OFF

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

31 DSN COVERAGE

0715 63 [D] 1600 63 [D] 1745 63 [D] 0610

60 40 60

32 DSN COVERAGE

43 [D] 0855 1925 43 [D] 2040 0450 34 [DA] 0450 35 [DAR]

40 40

S/C 32
INITIAL CONDITIONS
 1200 RTLT 36h 47m 44s
 0000 RTLT 36h 47m 50s

RTLT: 36h 47m 36s
 CCSL: BASELINE
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05/.10/.25
 GYROS: OFF

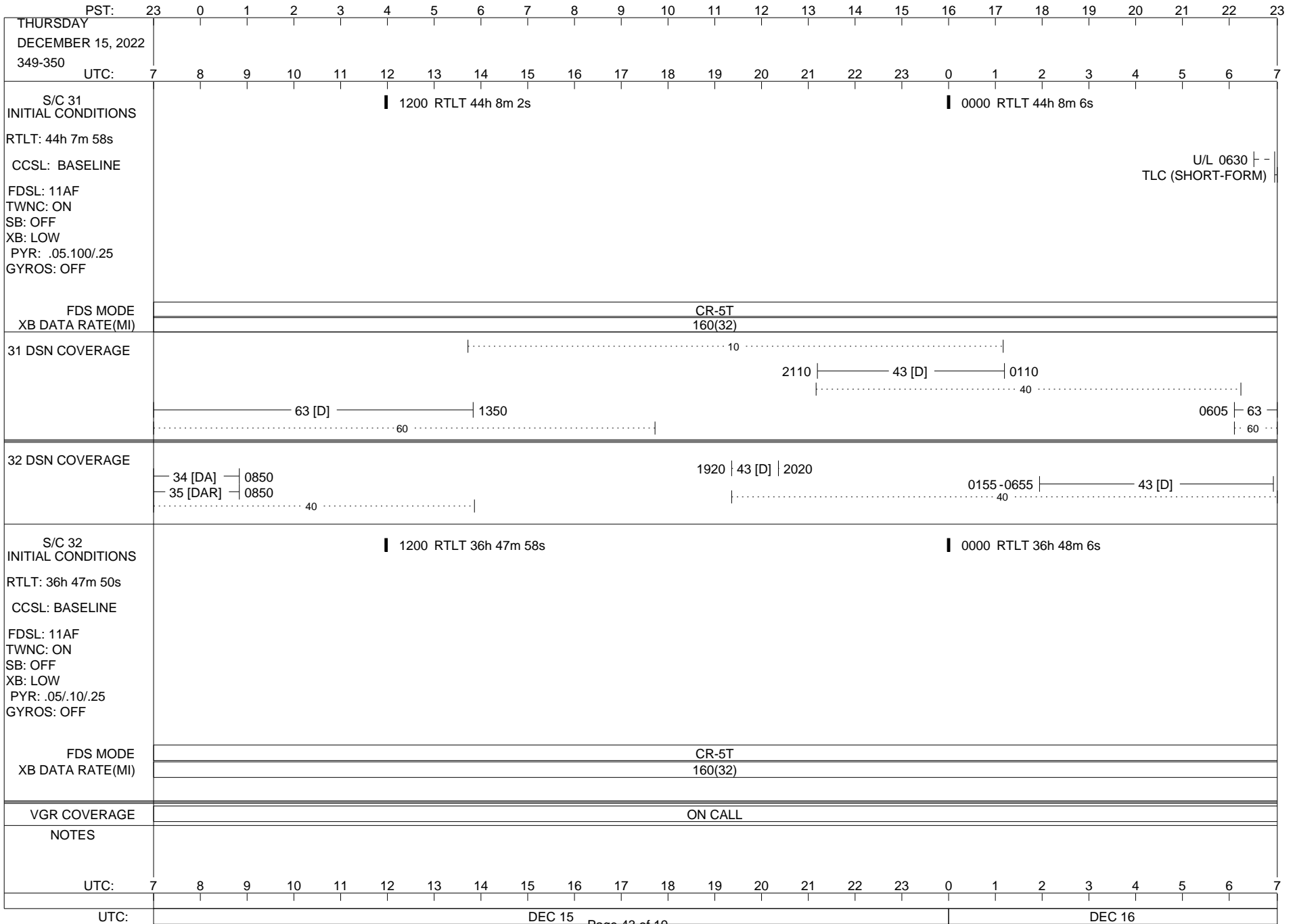
FDS MODE
 XB DATA RATE(MI) CR-5T
 160(32)

VGR COVERAGE ON CALL

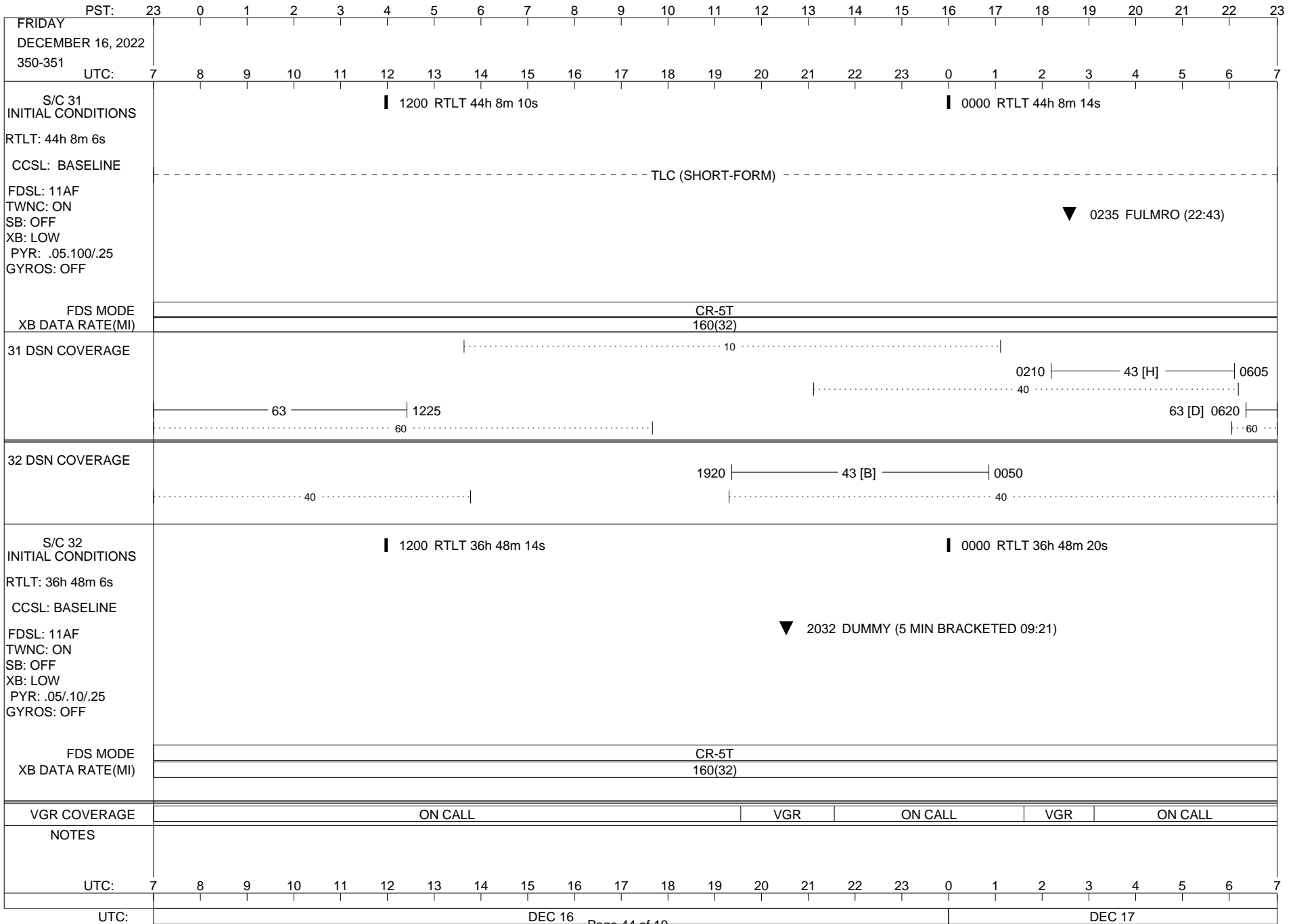
NOTES

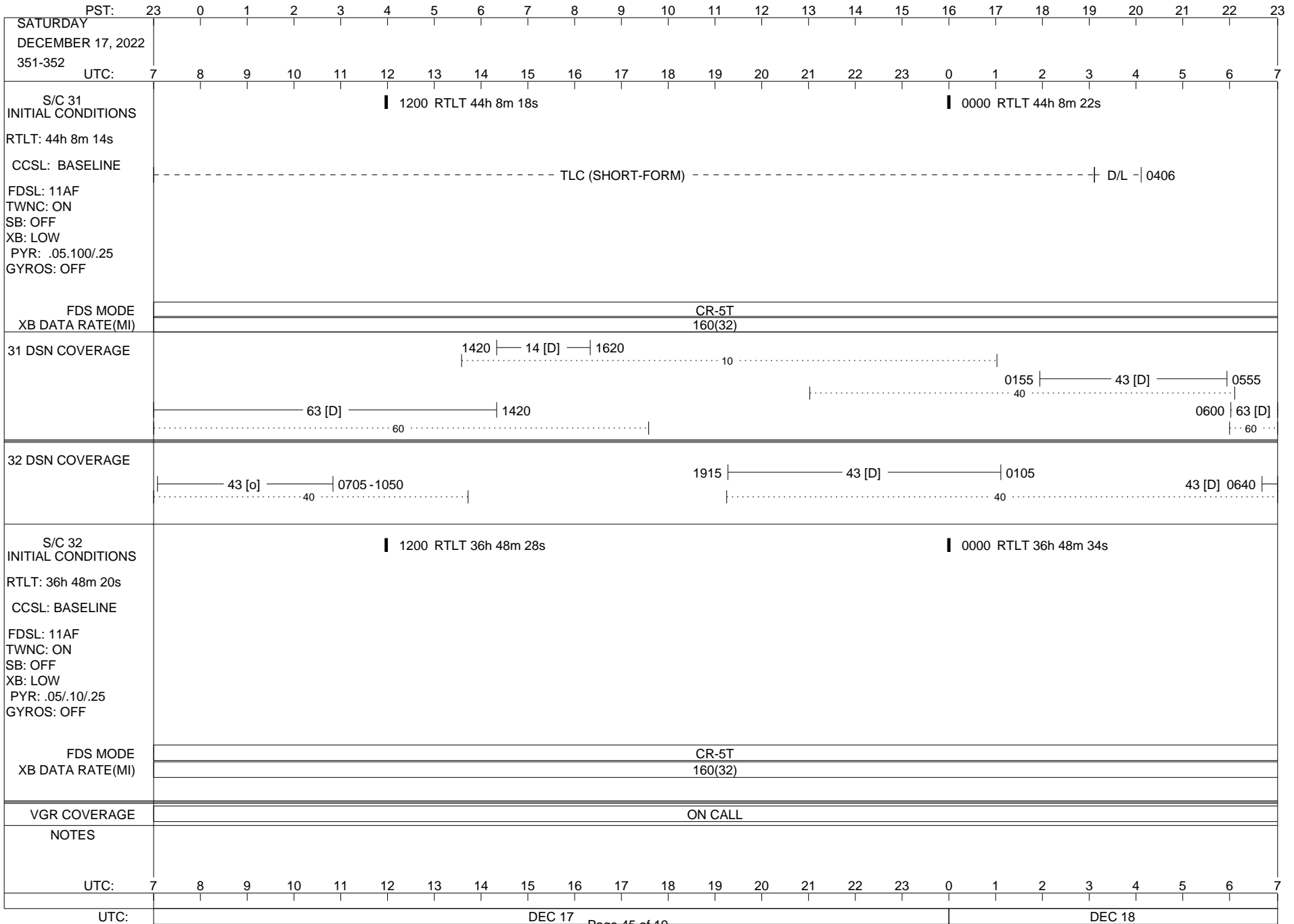
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

UTC: DEC 14 DEC 15

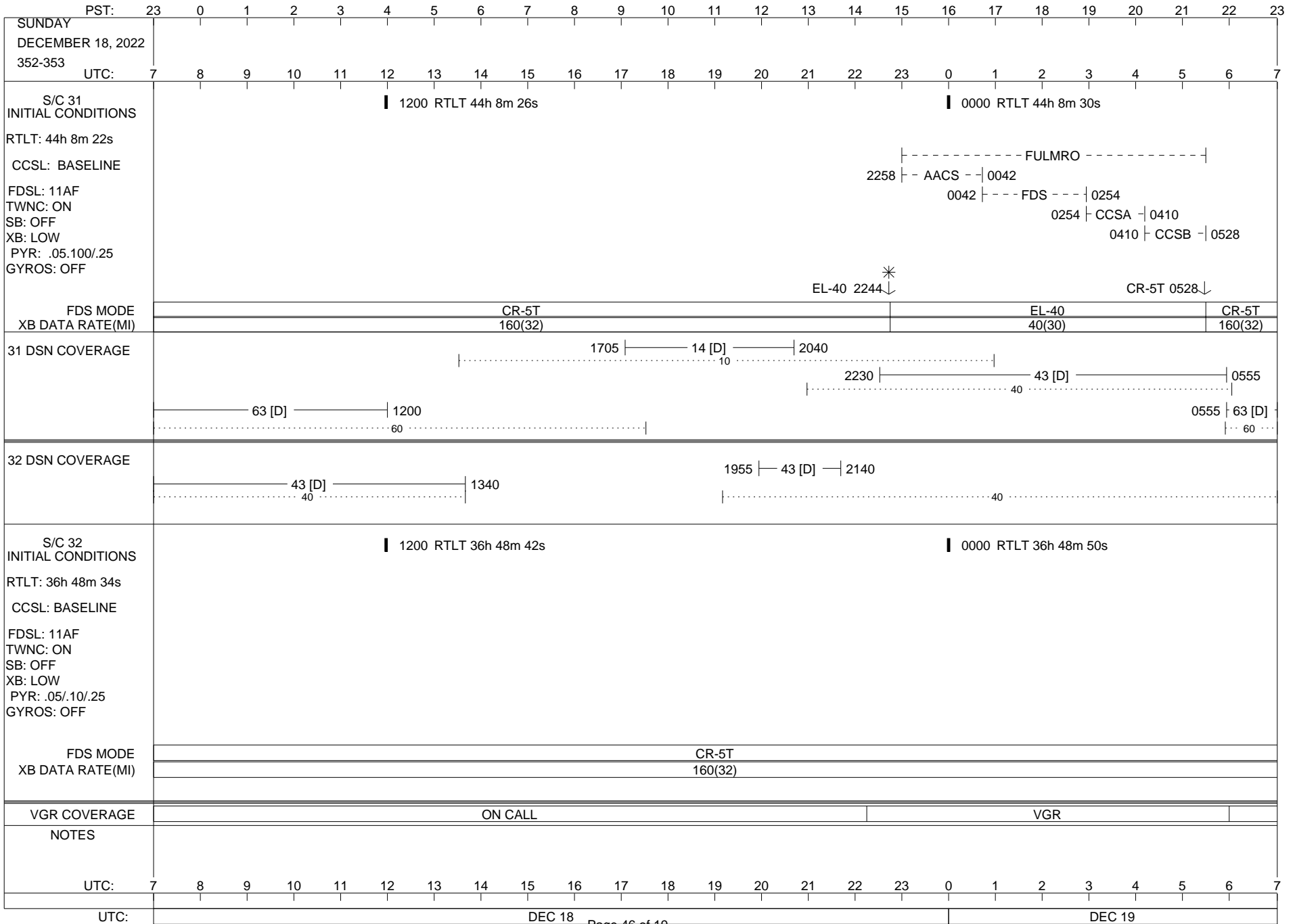


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ISSUE DATE: 11/30/22 07:56



		PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
MONDAY DECEMBER 19, 2022 353-354		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: 44h 8m 30s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/100/.25 GYROS: OFF		1200 RTLT 44h 8m 32s												0000 RTLT 44h 8m 36s															
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)															
31 DSN COVERAGE		1425 14 [D] 1625												2000 14 [D] 0050															
		63 [D] 1055												40															
		60												60															
32 DSN COVERAGE		40												40															
S/C 32 INITIAL CONDITIONS RTLT: 36h 48m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF		1200 RTLT 36h 48m 56s												0000 RTLT 36h 49m 4s															
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:	DEC 19												DEC 20														