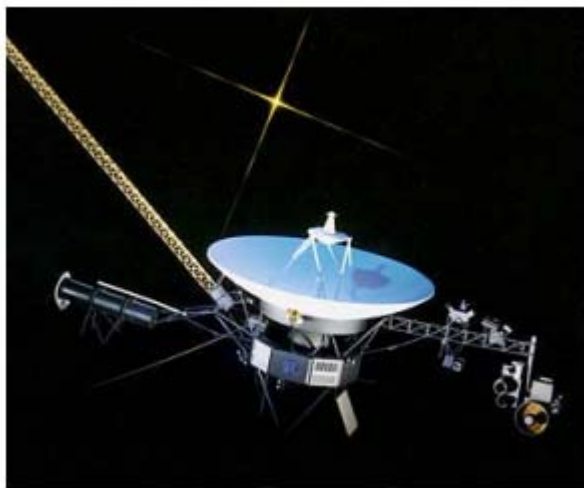


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: October 4, 2023

For the Period: 10/05/23 to 10/23/23 (23/278 – 23/296)



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

LEGEND:

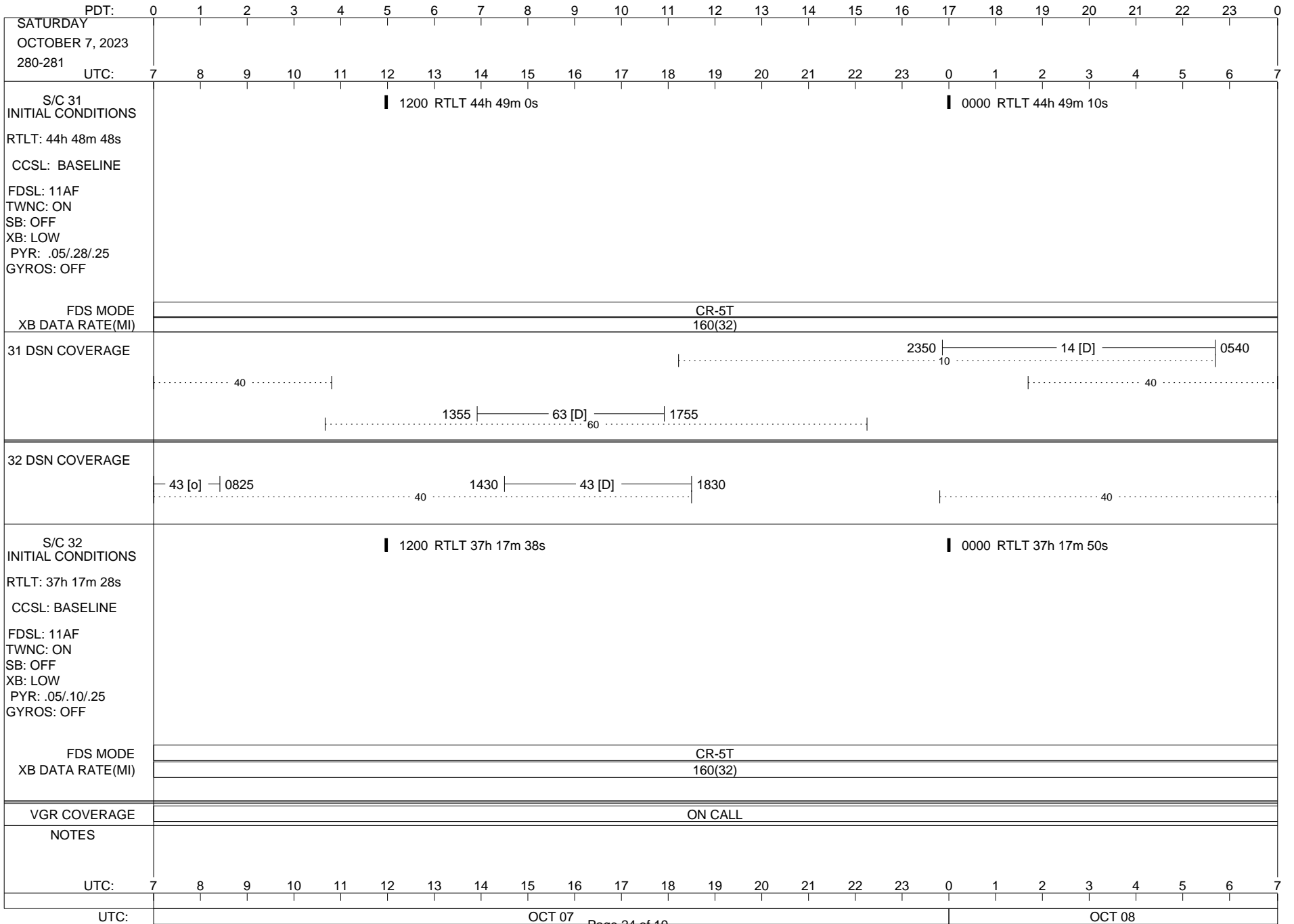
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

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 OCTOBER 5, 2023 278-279																										
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 48m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.28/.25 GYROS: OFF	1200 RTLT 44h 48m 16s												0000 RTLT 44h 48m 26s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	-----40-----												-----10-----													
	-----40-----												-----40-----													
	-----1500----- -----63 [D]----- -----2000-----												-----60-----													
32 DSN COVERAGE	-----40-----												-----40-----													
	-----1345----- -----43 [H1]----- -----1835-----												-----40-----													
S/C 32 INITIAL CONDITIONS RTLT: 37h 16m 44s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 16m 54s												0000 RTLT 37h 17m 6s													
	▼ 1434 NDATA #1 - DELINK UEPC (03:51)												▼ 1514 AACS FULMRO (04:31)													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE	ON CALL						VGR						ON CALL													
NOTES	[1] DSS-43 HPTXR DRV OFF <= 17:05																									
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:	OCT 05												OCT 06													

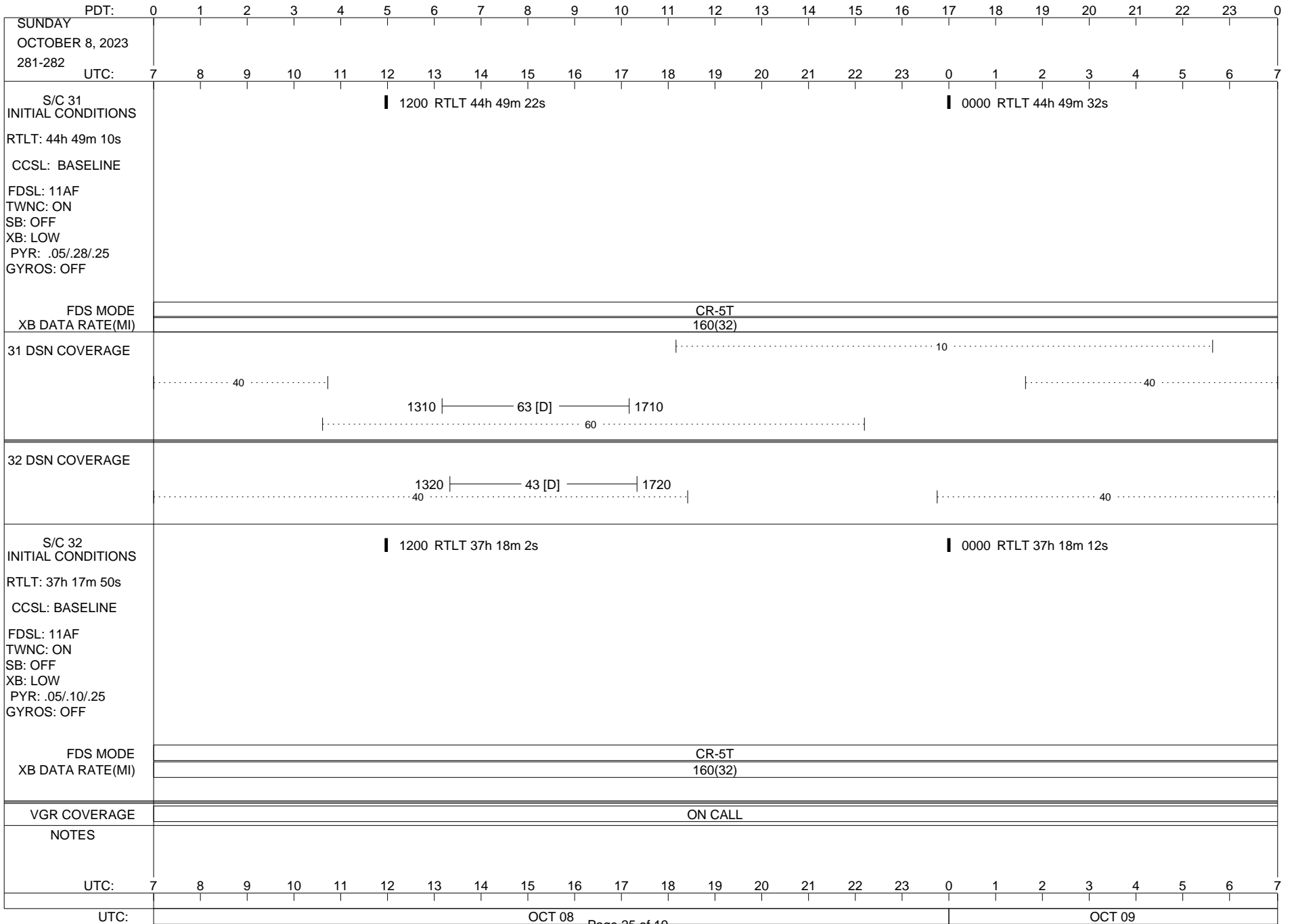
ISSUE DATE: 10/04/23 12:24

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 OCTOBER 6, 2023 279-280																									
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 48m 26s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.28/.25 GYROS: OFF	1200 RTLT 44h 48m 38s												0000 RTLT 44h 48m 48s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	1820 ----- 14 [D] ----- 2255 ----- 10 ----- 40.....												1050 ----- 63 [D] ----- 1545 ----- 60 ----- 40.....												
32 DSN COVERAGE	1220 ----- 43 [D] ----- 1835 ----- 40 -----												0325 ----- 43 [o] ----- ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 37h 17m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 17m 16s												0000 RTLT 37h 17m 28s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	ON CALL												VGR												
NOTES	[1] SC 32=EL-40 XB=40(30) @ 04:32 [2] SC 32=CR-5T XB=160(32) @ 06:32																								
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:	OCT 06												OCT 07												

ISSUE DATE: 10/04/23 12:24



ISSUE DATE: 10/04/23 12:24



ISSUE DATE: 10/04/23 12:24

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 OCTOBER 9, 2023 282-283																									
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 49m 32s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.28/.25 GYROS: OFF	1200 RTLT 44h 49m 44s												0000 RTLT 44h 49m 54s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE40.....												2005 14 [D] 2210 10..... 40.....												
	1140 63 [D] 1710 60.....																								
32 DSN COVERAGE	0930 43 [H1] 1820 40.....											40.....												
S/C 32 INITIAL CONDITIONS RTLT: 37h 18m 12s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 18m 24s												0000 RTLT 37h 18m 34s												
	▼ 1341 EL-40 (02:59)																								
	▼ 1403 CCSL B201 NDATA #2 MINI-SEQUENCE (03:21)																								
	▼ 1444 CCSTIM F/C (04:03)																								
	▼ 1512 CR-5T (04:30)																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] DSS-43 HPTXR DRV OFF <= 16:50																								
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:	OCT 09												OCT 10												

ISSUE DATE: 10/04/23 12:24

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
TUESDAY OCTOBER 10, 2023 283-284																									
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 49m 54s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.28/.25 GYROS: OFF	<p>1200 RTLT 44h 50m 6s</p>												<p>0000 RTLT 44h 50m 16s</p>												
↓ 0734 BEGIN SEQUENCE A129													<p>2303 --- MAGCAL --- 0200 2303 ---- PESCAL ---- 0218</p>												
													<p>0307 0308 PWS/RH</p>												
													<p>↓ 0307 GS-4B 0308</p>												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	<p>1805 ----- 14 [D] ----- 0450</p> <p>.....40..... 40.....</p> <p>.....60..... </p>																								
32 DSN COVERAGE	<p>1405 ----- 43 [D] ----- 1815</p> <p>.....40..... 40.....</p>												<p>0220-0625 ----- 43 [D] ----- </p> <p>.....40..... </p>												
S/C 32 INITIAL CONDITIONS RTLT: 37h 18m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 37h 18m 46s</p>												<p>0000 RTLT 37h 18m 56s</p>												
													<p>* 0328 0332 B201 CHKSUM</p>												
													<p>* 0404 0411 CCSTIM FINE 0421 0424 COARSE</p>												
													<p>* EL-40 0300 ↓ ↓ 0431 CR-5T</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	<p>[1] SC 32=EL-40 @ 03:00 XB=40(30) [2] SC 32=CR-5T @ 04:31 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:	OCT 10												OCT 11												

ISSUE DATE: 10/04/23 12:24

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
OCTOBER 11, 2023
284-285

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 50m 16s
CCSL: A129
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.28/.25
GYROS: OFF

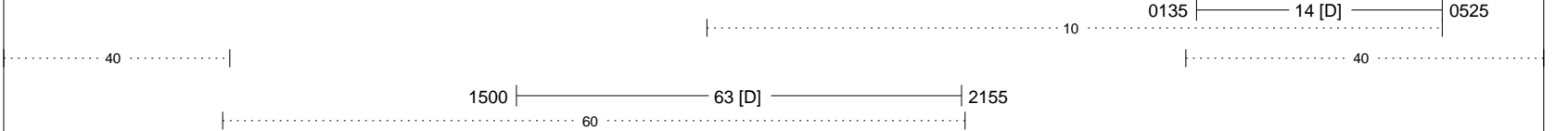
1200 RTLTL 44h 50m 26s

0000 RTLTL 44h 50m 38s

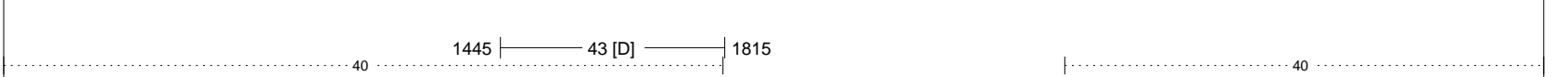
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 37h 18m 56s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLTL 37h 19m 8s

0000 RTLTL 37h 19m 18s

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: OCT 11 Page 28 of 19 OCT 12

ISSUE DATE: 10/04/23 12:24

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
OCTOBER 12, 2023
285-286

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 50m 38s
CCSL: A129
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.28/.25
GYROS: OFF

1200 RTLTL 44h 50m 48s

0000 RTLTL 44h 51m 0s

CCS DIAG (02:51) 0600▼

U/L 0625 | -
TLC (SHORT-FORM) | -

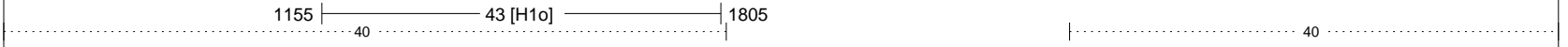
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 37h 19m 18s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLTL 37h 19m 30s

0000 RTLTL 37h 19m 42s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

ON CALL

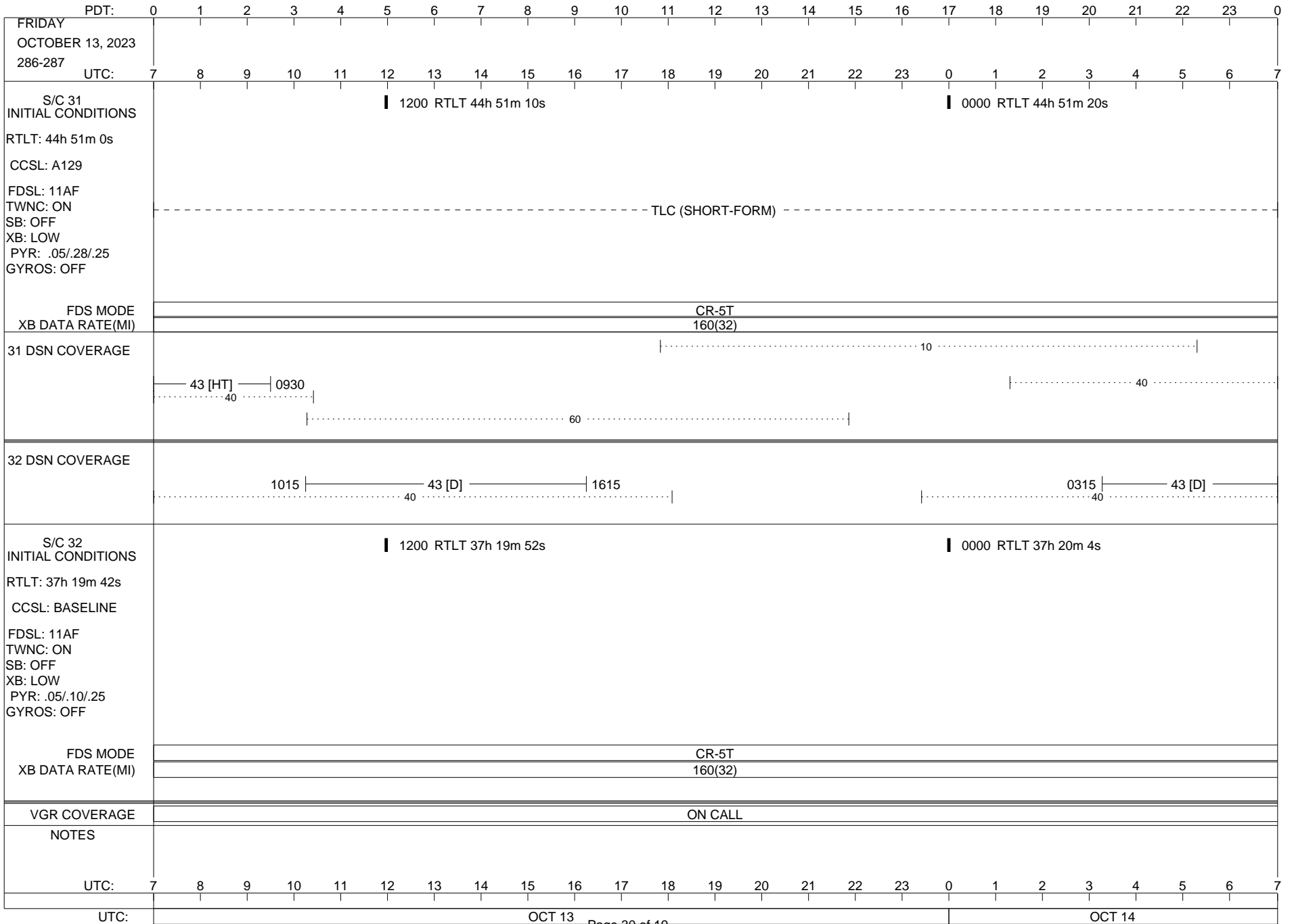
VGR

NOTES

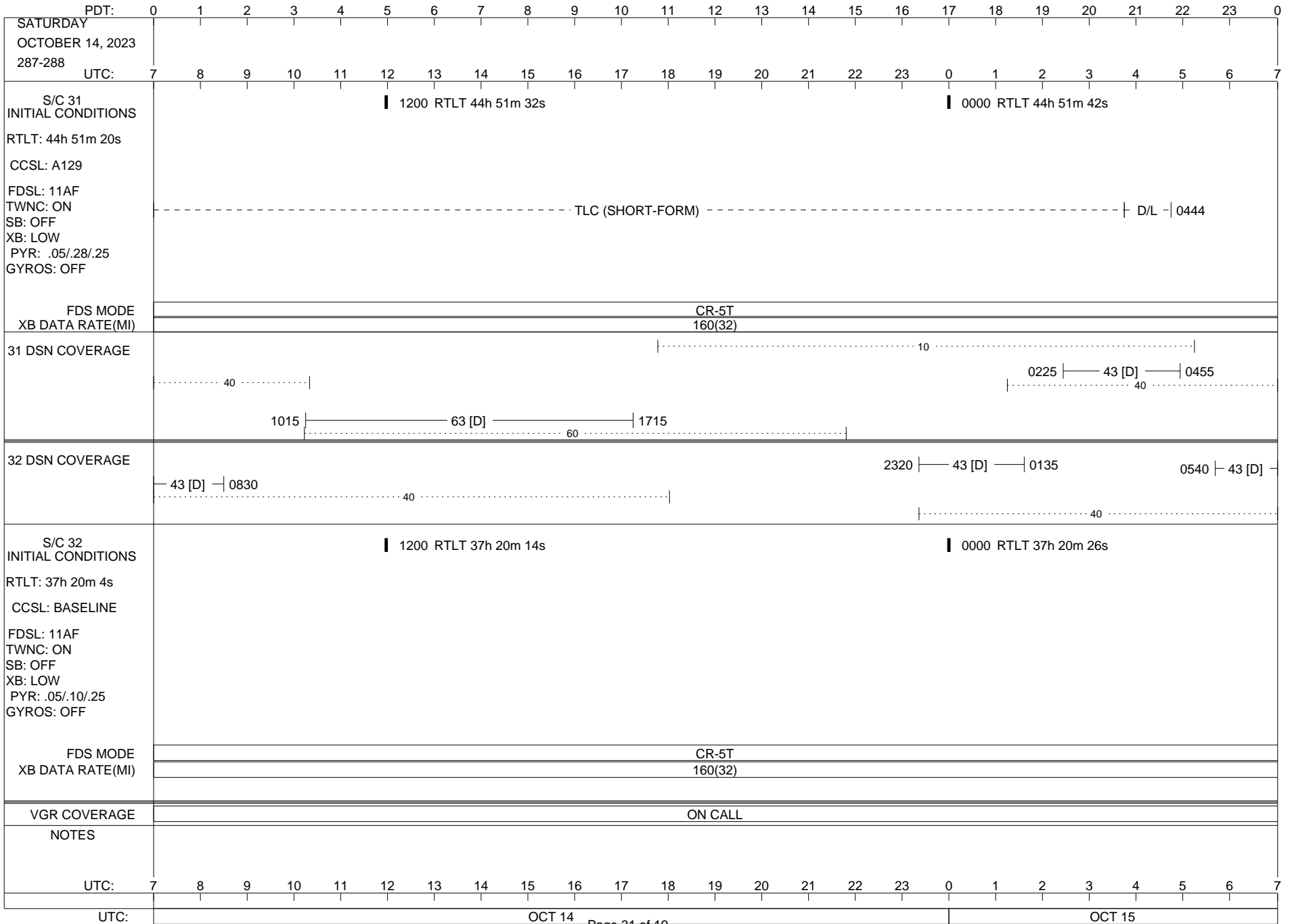
[1] B201 BACKUP U/L SUPPORT, DSS-43 HPTXR DRV OFF <= 16:35

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

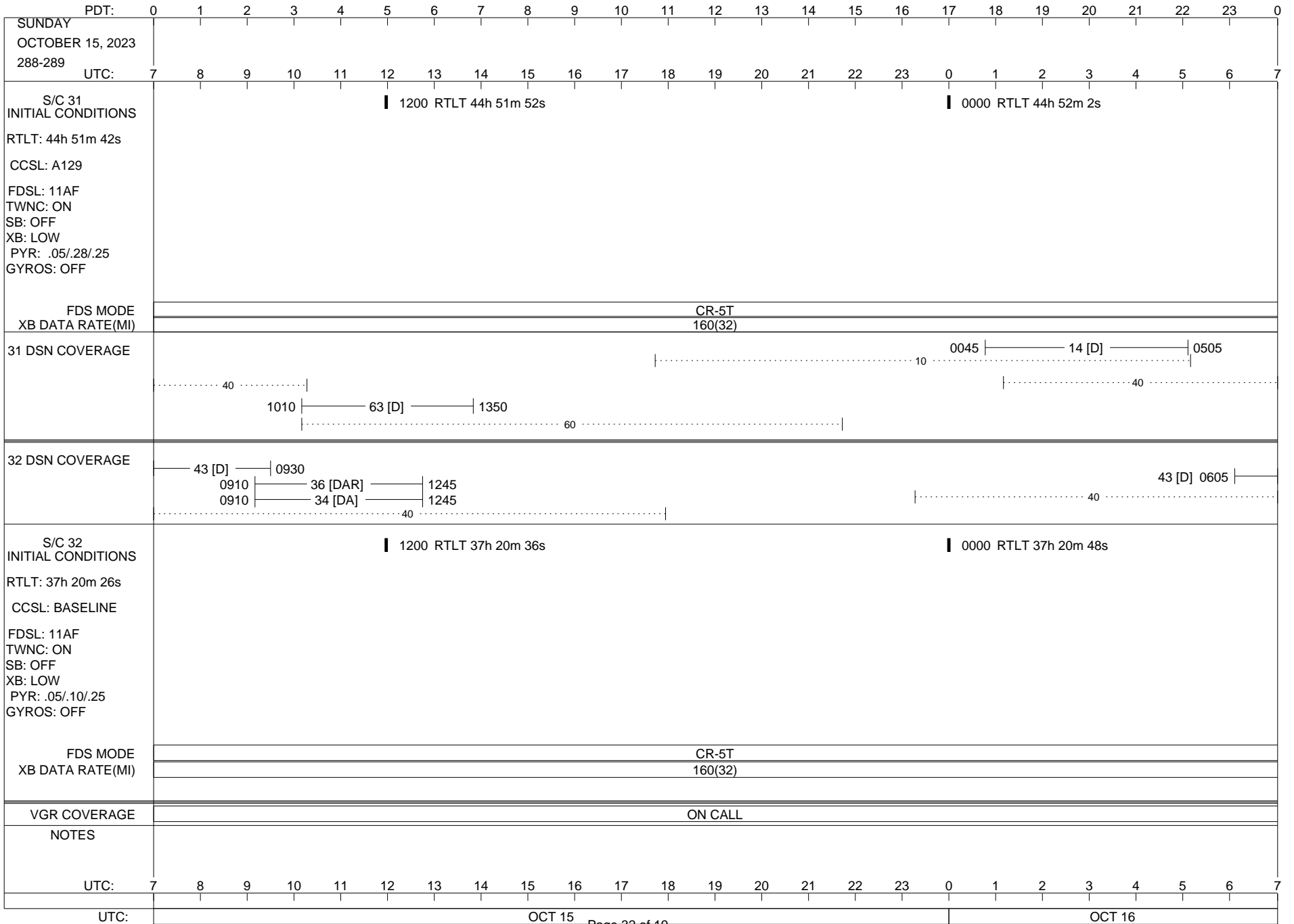
UTC: OCT 12 Page 29 of 19 OCT 13



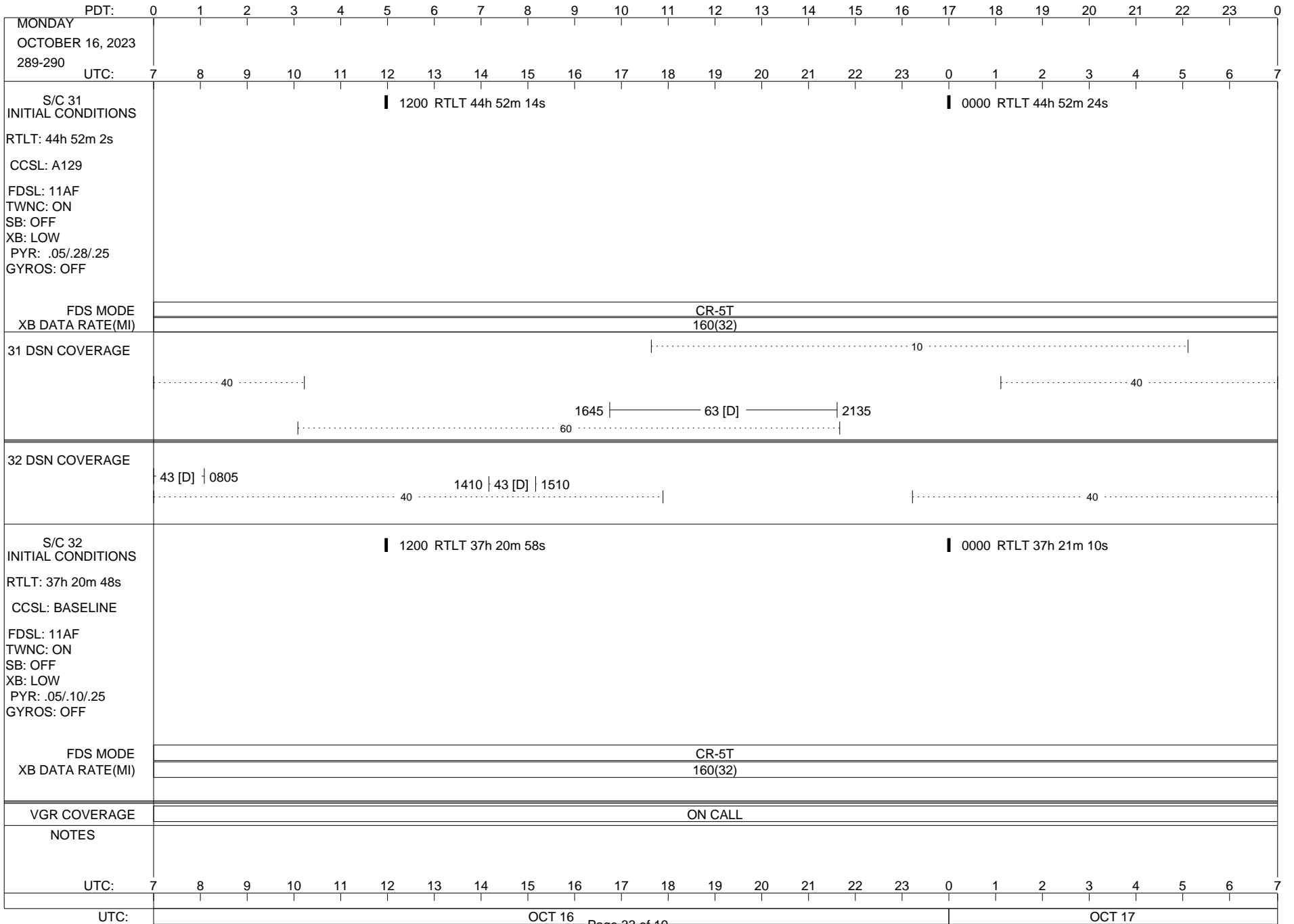
ISSUE DATE: 10/04/23 12:24



ISSUE DATE: 10/04/23 12:24



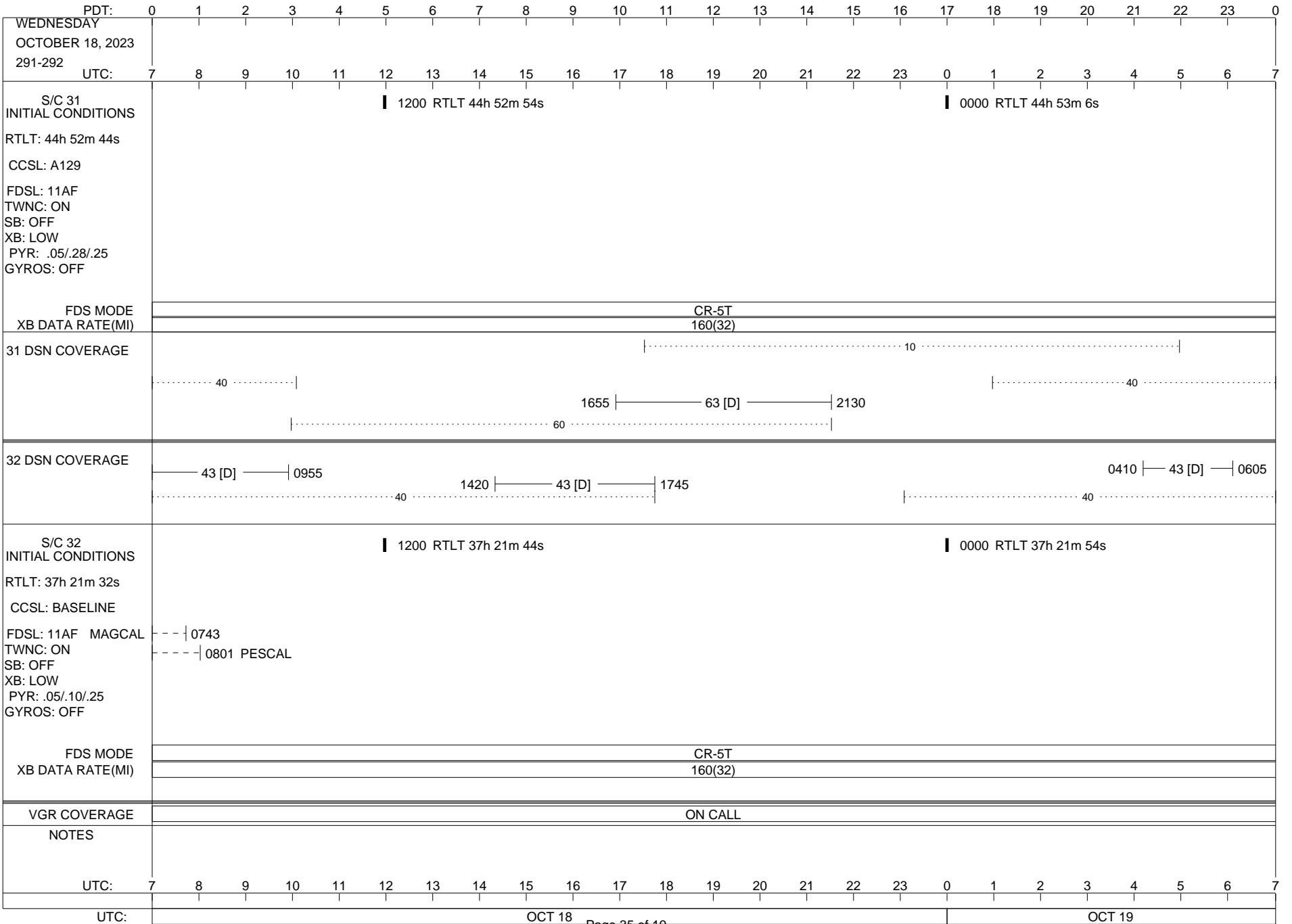
ISSUE DATE: 10/04/23 12:24



ISSUE DATE: 10/04/23 12:24

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			
TUESDAY OCTOBER 17, 2023 290-291																												
S/C 31 INITIAL CONDITIONS RTLTL: 44h 52m 24s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.28/.25 GYROS: OFF	1200 RTLT 44h 52m 34s														0000 RTLT 44h 52m 44s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	<p>..... 40 40</p> <p>..... 1635 ----- 63 [D] ----- 2135</p> <p>..... 60</p>																											
32 DSN COVERAGE	<p>..... 40 1405 ----- 43 [o] ----- 1750 40</p> <p>..... 0555 43 [D]</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 37h 21m 10s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 21m 22s														0000 RTLT 37h 21m 32s													
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	<p>[1] SC 32=EL-40 @ 1432 XB=40(30)</p> <p>[2] SC 32=CR-5T @ 1652 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:	OCT 17														OCT 18													

ISSUE DATE: 10/04/23 12:24



ISSUE DATE: 10/04/23 12:24

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
OCTOBER 19, 2023
292-293

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 53m 6s
CCSL: A129
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.28/.25
GYROS: OFF

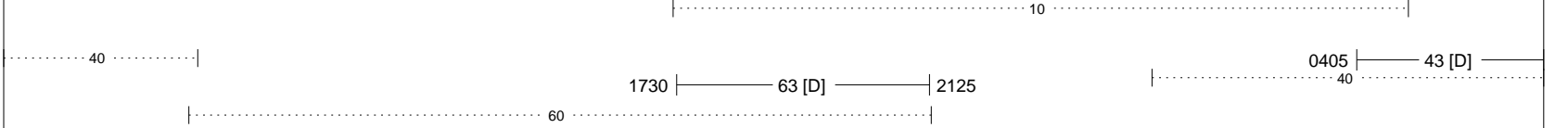
1200 RTLTL 44h 53m 16s

0000 RTLTL 44h 53m 26s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 37h 21m 54s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLTL 37h 22m 6s

0000 RTLTL 37h 22m 16s

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: OCT 19 Page 36 of 19 OCT 20

ISSUE DATE: 10/04/23 12:24

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 OCTOBER 20, 2023 293-294																									
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 53m 26s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.28/.25 GYROS: OFF						█ 1200 RTLT 44h 53m 36s												█ 0000 RTLT 44h 53m 46s							
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 37h 22m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 37h 22m 28s													█ 0000 RTLT 37h 22m 38s						
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:																									

ISSUE DATE: 10/04/23 12:24

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 OCTOBER 21, 2023 294-295	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 53m 46s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.28/.25 GYROS: OFF	1200 RTLT 44h 53m 56s												0000 RTLT 44h 54m 6s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE40.....											10.....0035 -----14 [D]----- 044540.....													
32 DSN COVERAGE40.....1335 -----43 [D]----- 1735											40.....													
S/C 32 INITIAL CONDITIONS RTLT: 37h 22m 38s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 22m 50s												0000 RTLT 37h 23m 0s													
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:	OCT 21													OCT 22												

ISSUE DATE: 10/04/23 12:24

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							
SUNDAY OCTOBER 22, 2023 295-296							
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 54m 6s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.28/.25 GYROS: OFF	<p>1200 RTLT 44h 54m 16s</p> <p>0000 RTLT 44h 54m 26s</p> <p>CCS DIAG (01:54) 0500 ▼</p> <p>U/L 0525 - TLC (SHORT-FORM) - - - -</p>						
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)						
31 DSN COVERAGE	<p>40 ----- 1105 -----63 [D]----- 1505 -----60----- </p> <p>10 ----- 0420 -----43 [H]----- 40</p>						
32 DSN COVERAGE	<p>1230 -----43 [D]----- 1730 -----40----- </p>						
S/C 32 INITIAL CONDITIONS RTLT: 37h 23m 0s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 37h 23m 12s</p> <p>0000 RTLT 37h 23m 24s</p> <p>* ↓ 1407 NDATA #3 - LINK NDATA</p> <p>1501 ----- 1635 AACS FULMRO</p> <p>* ↓ EL-40 1435 ↓ 1635 CR-5T</p>						
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T</td> <td>EL-40</td> <td>CR-5T</td> </tr> <tr> <td>160(32)</td> <td>40(30)</td> <td>160(32)</td> </tr> </table>	CR-5T	EL-40	CR-5T	160(32)	40(30)	160(32)
CR-5T	EL-40	CR-5T					
160(32)	40(30)	160(32)					
VGR COVERAGE	<table border="1"> <tr> <td>ON CALL</td> <td>VGR</td> <td>ON CALL</td> <td>VGR</td> <td>ON CALL</td> </tr> </table>	ON CALL	VGR	ON CALL	VGR	ON CALL	
ON CALL	VGR	ON CALL	VGR	ON CALL			
NOTES	<p>[1] SC 32=EL-40 @ 1435 XB=40(30)</p> <p>[2] SC 32=CR-5T @ 1635 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: OCT 22 Page 39 of 19 OCT 23							

ISSUE DATE: 10/04/23 12:24

