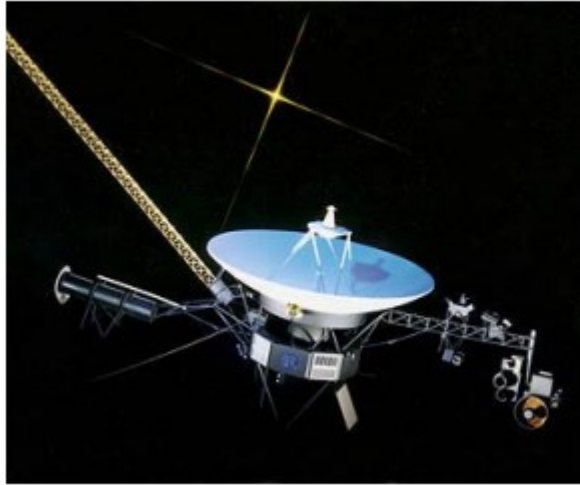


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: September 19, 2023

For the Period: 09/21/23 to 10/09/23 (23/264 – 23/282)

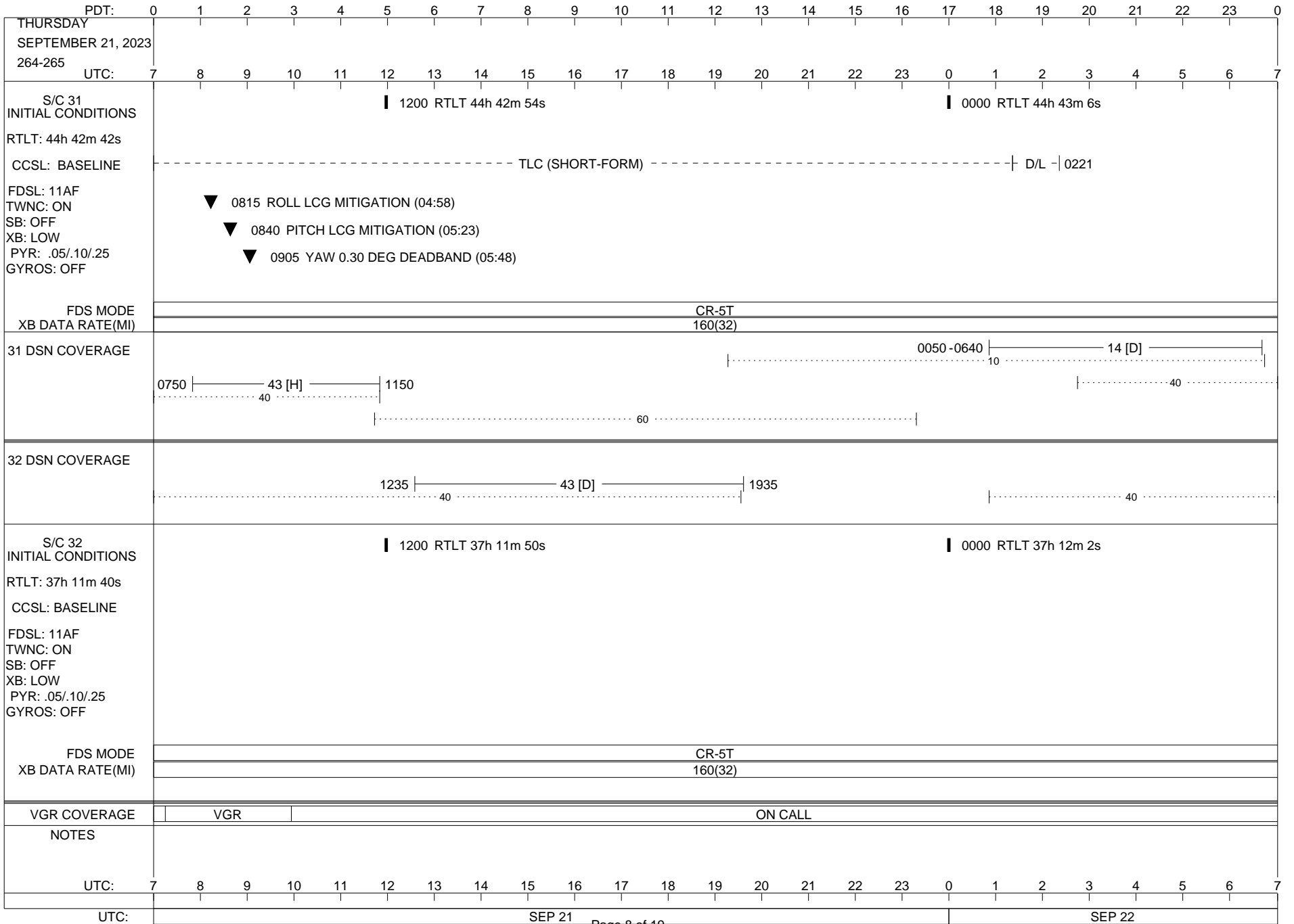


Posted at <https://voyager.jpl.nasa.gov/mission/status/>

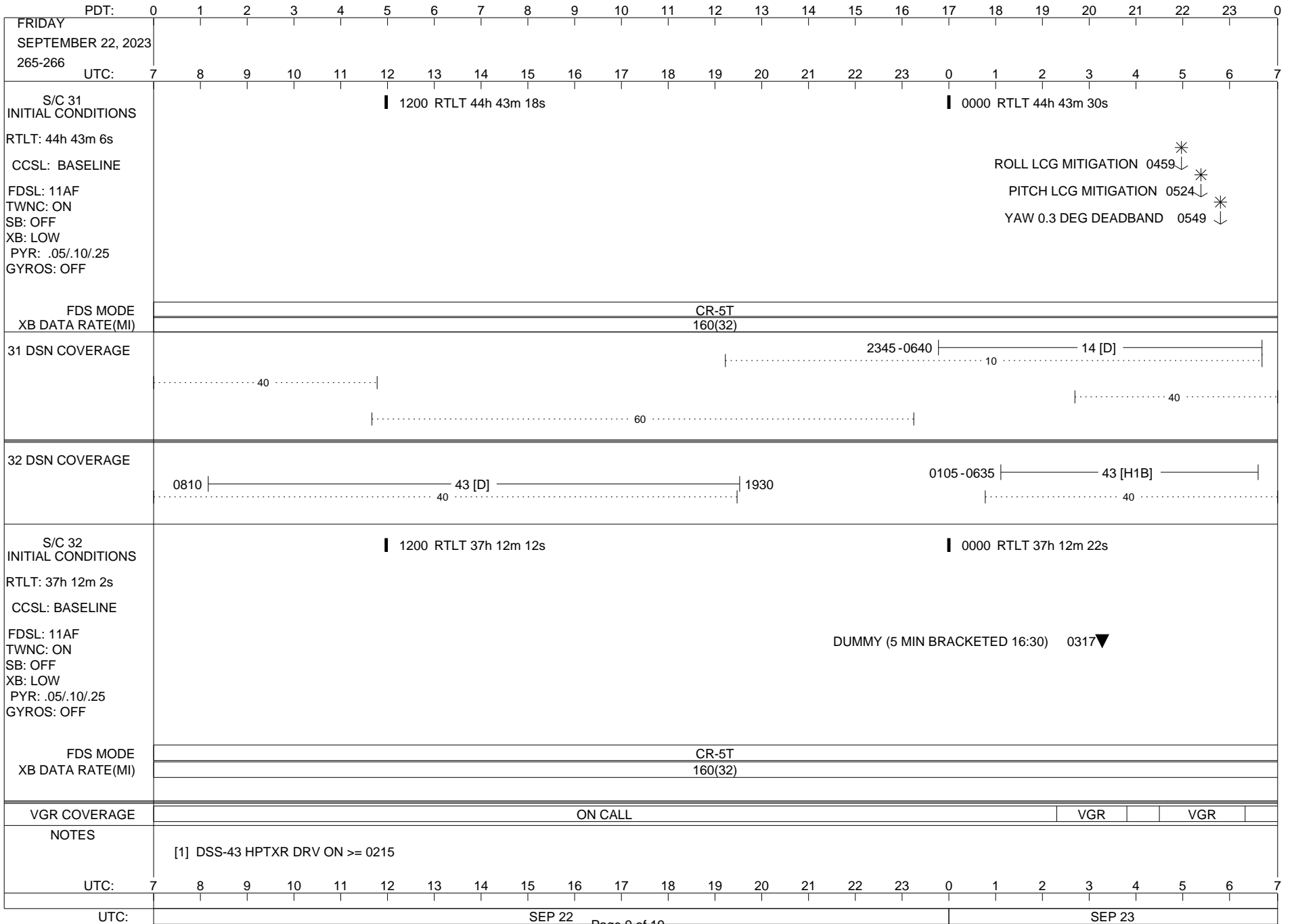
LEGEND:

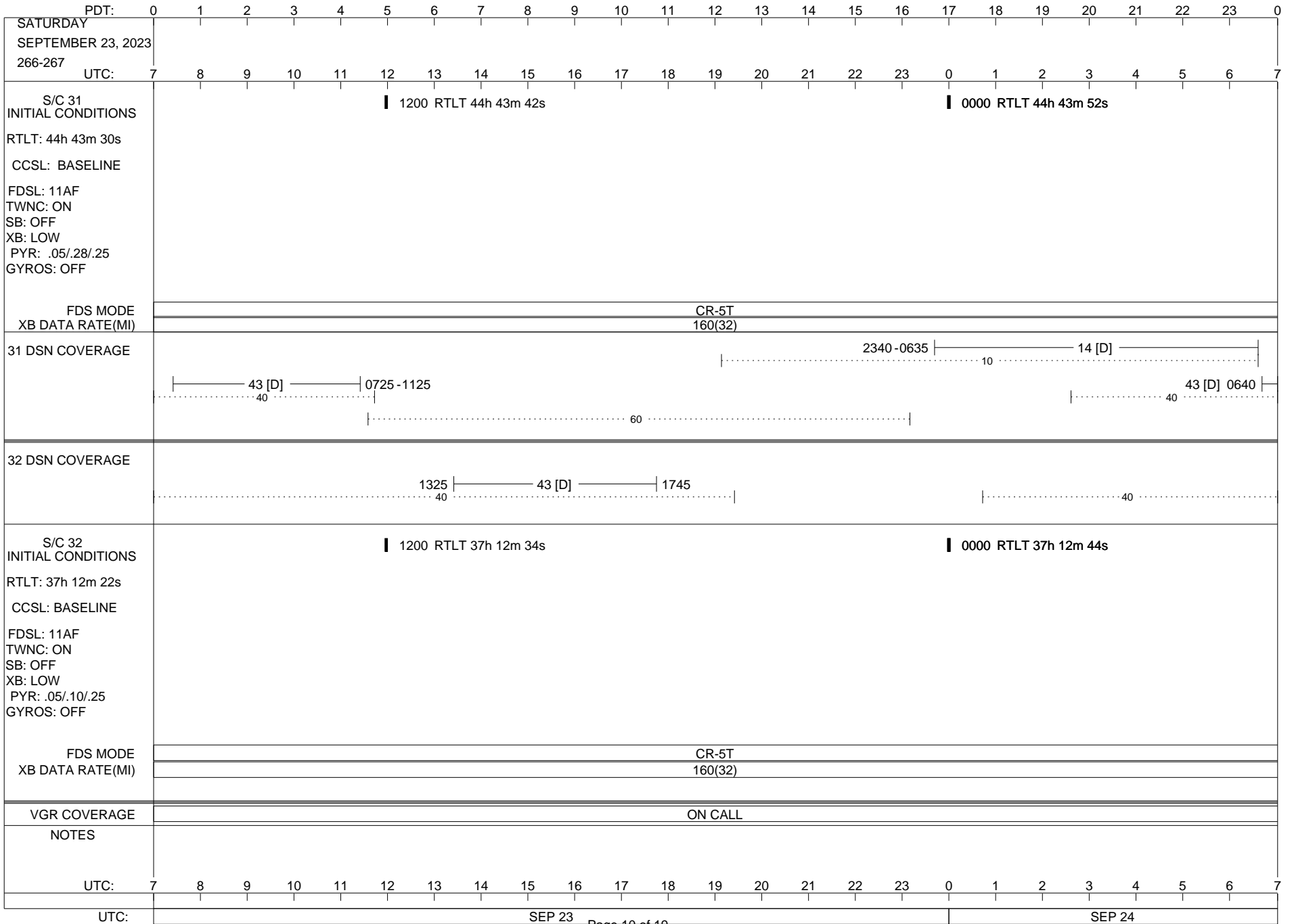
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

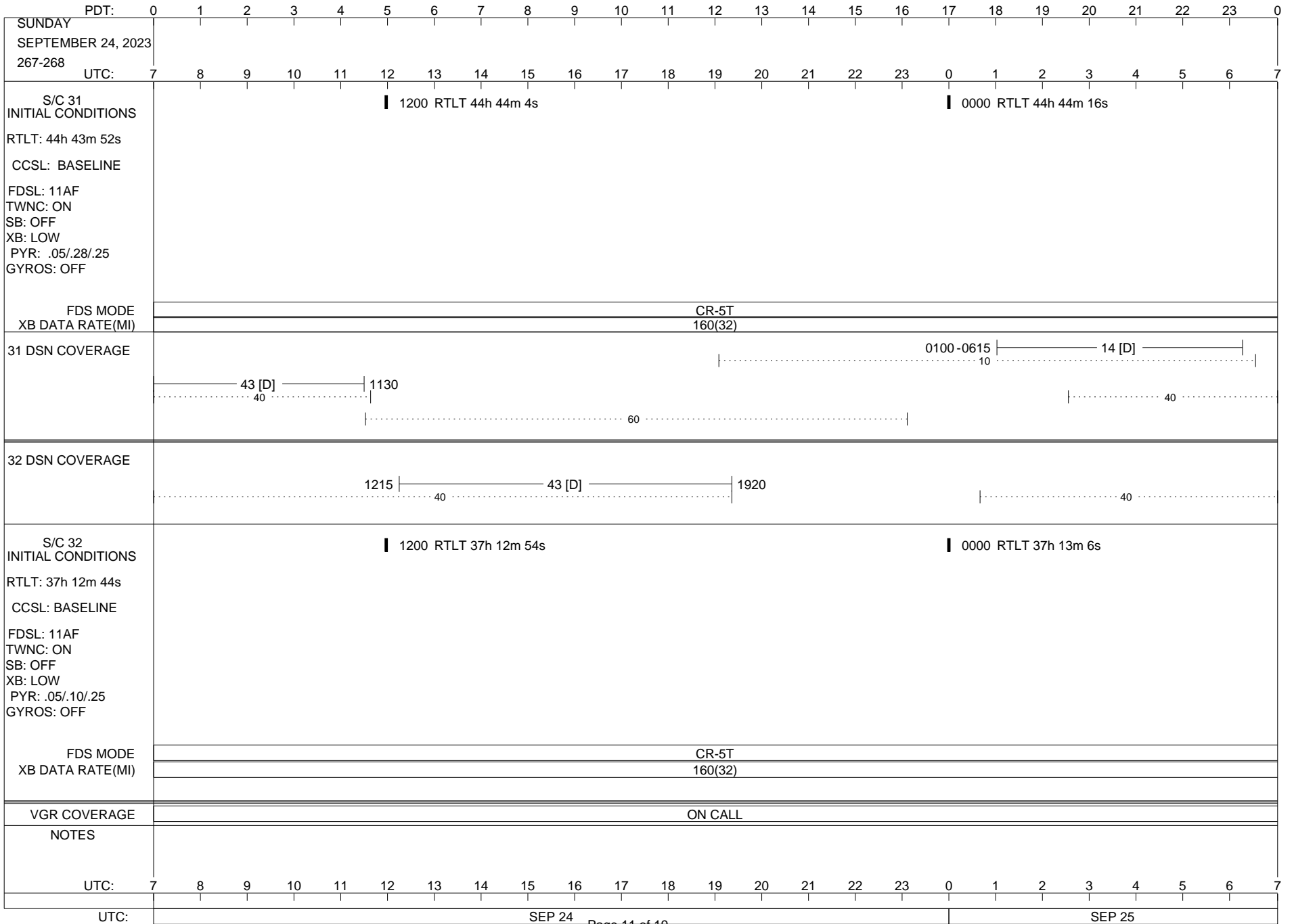
ISSUE DATE: 09/27/23 09:39



ISSUE DATE: 09/27/23 09:39







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 SEPTEMBER 25, 2023 268-269																										
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 44m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.28/.25 GYROS: OFF	█ 1200 RTLT 44h 44m 28s												█ 0000 RTLT 44h 44m 40s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	-----43 [D]----- 0725-1125												2125 -----14 [D]----- 0315													
	-----40-----												-----10-----													
	-----60-----												-----40-----													
32 DSN COVERAGE	1210 -----43 [D]----- 1915												-----40-----													
S/C 32 INITIAL CONDITIONS RTLT: 37h 13m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 37h 13m 16s												█ 0000 RTLT 37h 13m 26s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													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:	SEP 25													SEP 26												

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																												
SEPTEMBER 26, 2023																												
269-270																												
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 44m 50s												0000 RTLT 44h 45m 2s														
RTLT: 44h 44m 40s																												
CCSL: BASELINE																												
FDSL: 11AF																												
TWNC: ON																												
SB: OFF																												
XB: LOW																												
PYR: .05/.28/.25																												
GYROS: OFF																												
FDS MODE		CR-5T												CR-5T														
XB DATA RATE(MI)		160(32)												160(32)														
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS		1200 RTLT 37h 13m 38s												0000 RTLT 37h 13m 48s														
RTLT: 37h 13m 26s																												
CCSL: BASELINE																												
FDSL: 11AF																												
TWNC: ON																												
SB: OFF																												
XB: LOW																												
PYR: .05/.10/.25																												
GYROS: OFF																												
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:		SEP 26												SEP 27														

ISSUE DATE: 09/27/23 09:39

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
SEPTEMBER 27, 2023
270-271 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 45m 2s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.28/.25
GYROS: OFF

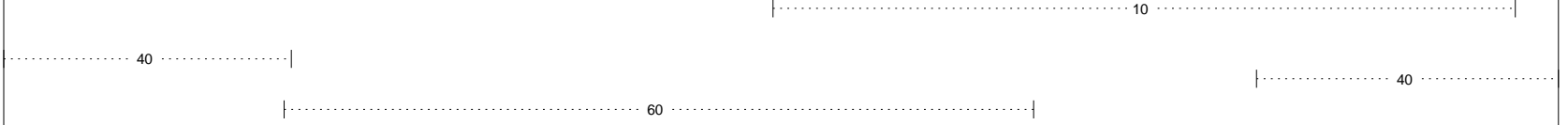
1200 RTLT 44h 45m 14s

0000 RTLT 44h 45m 26s

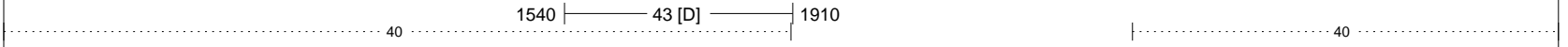
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 37h 13m 48s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 37h 14m 0s

0000 RTLT 37h 14m 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: SEP 27 Page 14 of 19 SEP 28

ISSUE DATE: 09/27/23 09:39

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 SEPTEMBER 28, 2023

271-272 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 45m 26s
 CCSL: BASELINE
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05/.28/.25
 GYROS: OFF

1200 RTLT 44h 45m 36s
 0000 RTLT 44h 45m 48s

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

31 DSN COVERAGE

43 [D] 0735-1120
 40
 60
 2335 14 [D] 0600
 10
 43 [H] 0645
 40

32 DSN COVERAGE

1540 43 [o] 1905
 40
 40

S/C 32
 INITIAL CONDITIONS
 RTLT: 37h 14m 10s
 CCSL: BASELINE
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05/.10/.25
 GYROS: OFF

1200 RTLT 37h 14m 22s
 0000 RTLT 37h 14m 32s

FDS MODE CR-5T
 XB DATA RATE(MI) 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: SEP 28 SEP 29

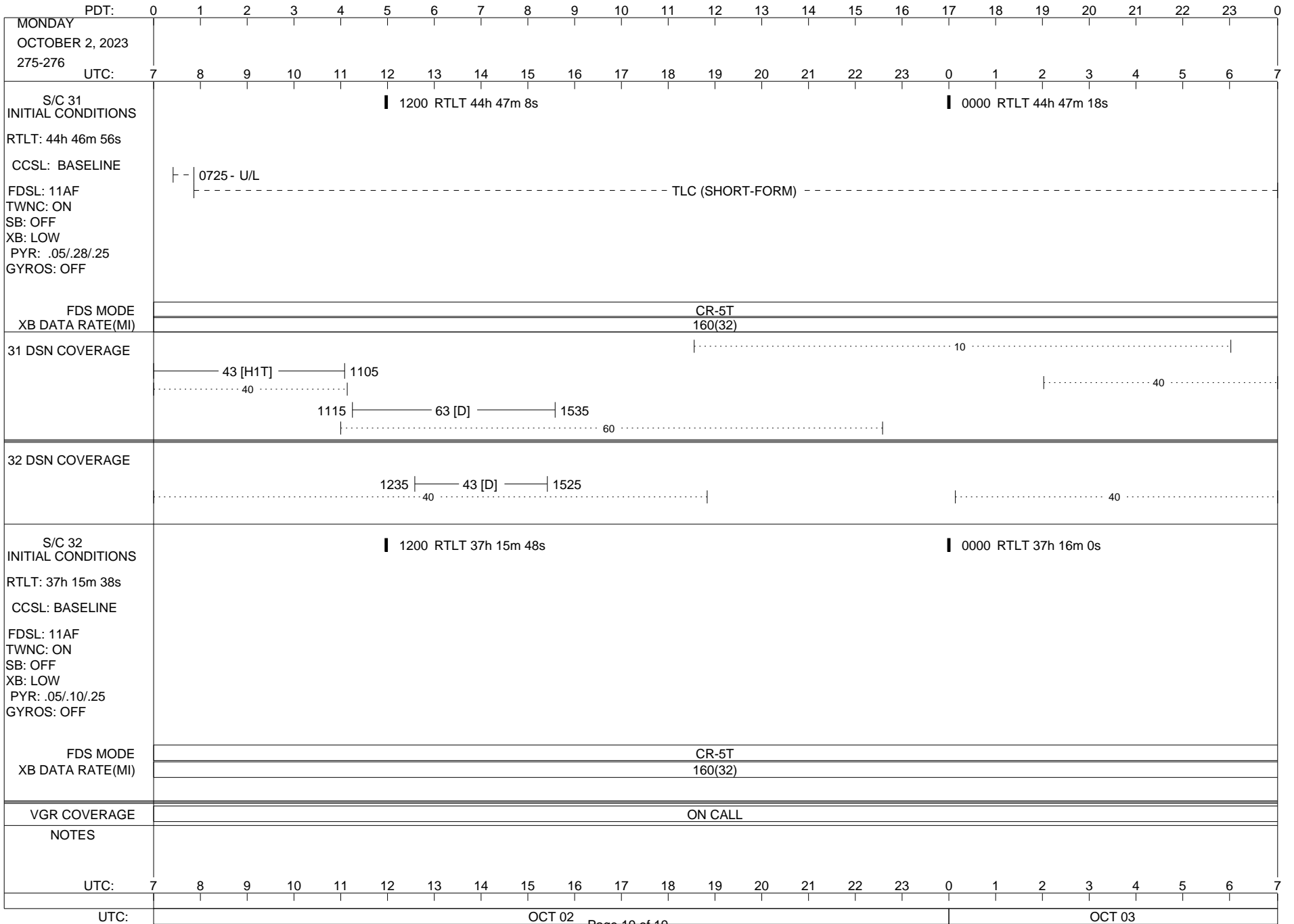
ISSUE DATE: 09/27/23 09:39

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 SEPTEMBER 29, 2023 272-273	
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 45m 48s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.28/.25 GYROS: OFF	<p>1200 RTLT 44h 46m 0s</p> <p>0000 RTLT 44h 46m 10s</p> <p>▼ 0728 EL-40 (04:14)</p> <p>▼ 0750 CCSL A129 (04:36)</p> <p>▼ 0831 CCSTIM F/C (05:17)</p> <p>▼ 0859 AHEL12 CCS SID MRO, CR-5T (05:45)</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<p>43 [H] 1045 40</p> <p>60</p> <p>10</p> <p>40</p>
32 DSN COVERAGE	<p>1130 40 43 [D] 1900</p> <p>0020 43 [o] 40</p>
S/C 32 INITIAL CONDITIONS RTLT: 37h 14m 32s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 37h 14m 42s</p> <p>0000 RTLT 37h 14m 54s</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
VGR COVERAGE	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: SEP 29 SEP 30	

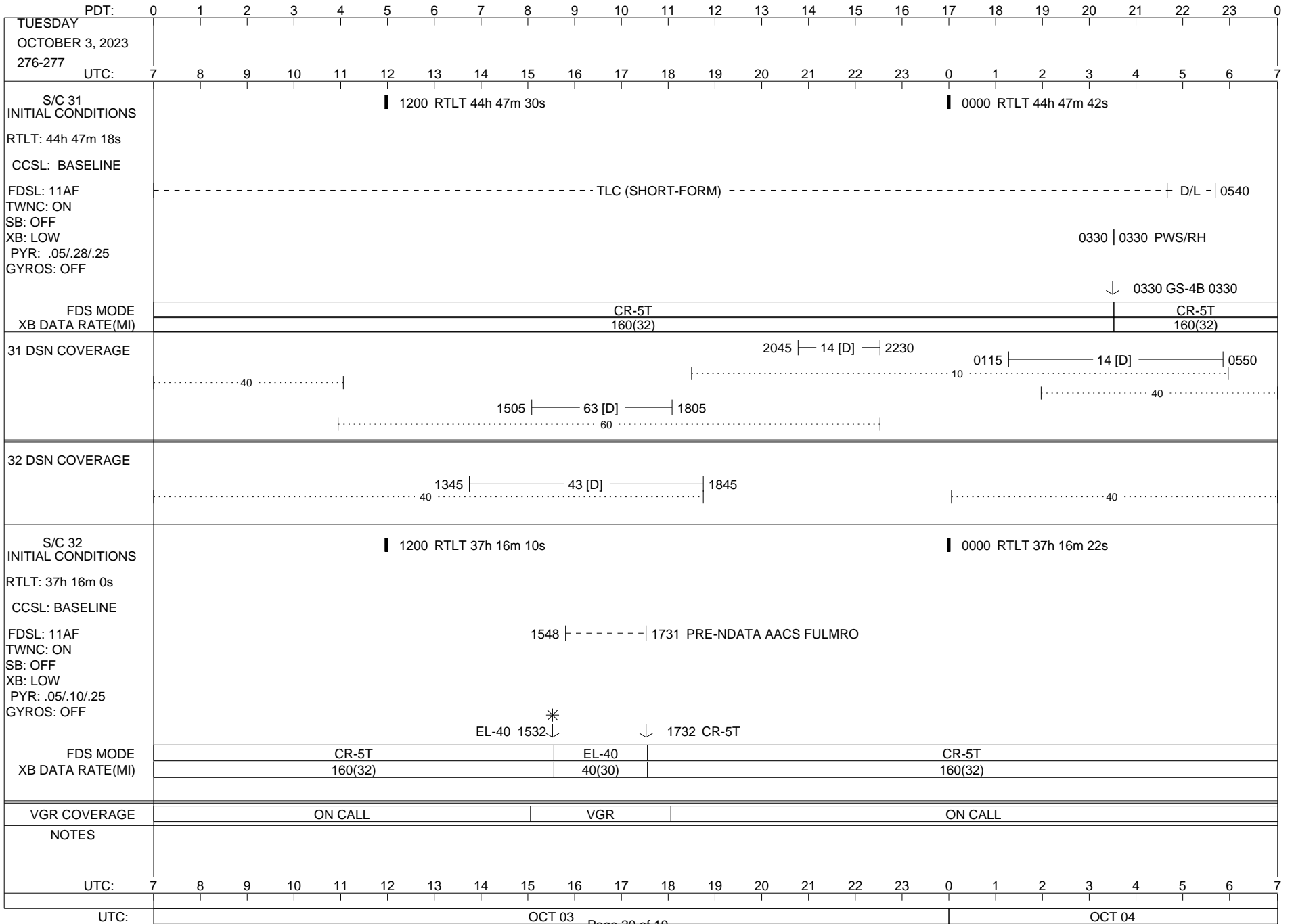
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SATURDAY SEPTEMBER 30, 2023 273-274		S/C 31 INITIAL CONDITIONS RTLT: 44h 46m 10s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.28/.25 GYROS: OFF 1200 RTLT 44h 46m 22s													0000 RTLT 44h 46m 34s A129 CHKSUM 0444 0448 * CCSTIM FINE 0518 0525 * COARSE 0536 0539 * 2 AHEL2 CCS SID MRO'S 0548 0550 * EL-40 0415 ↓ * CR-5T 0551 ↓ *												
FDS MODE		CR-5T													EL-40		CR-5T										
XB DATA RATE(MI)		160(32)													40(30)		160(32)										
31 DSN COVERAGE	10.....													0210 -----43 [D]-----		40										
		40		1110		63 [D]						2235															
32 DSN COVERAGE		0720 43 [o].....1455 -----43 [D]----- 1855												40												
S/C 32 INITIAL CONDITIONS RTLT: 37h 14m 54s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 37h 15m 4s													0000 RTLT 37h 15m 16s												
FDS MODE		CR-5T																									
XB DATA RATE(MI)		160(32)																									
VGR COVERAGE		ON CALL													VGR												
NOTES		[1] SC 31=EL-40 XB=40(30) @ 0415 [2] SC 31=CR-5T XB=160(32) @ 0551																									
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:		SEP 30													OCT 01												

ISSUE DATE: 09/27/23 09:39

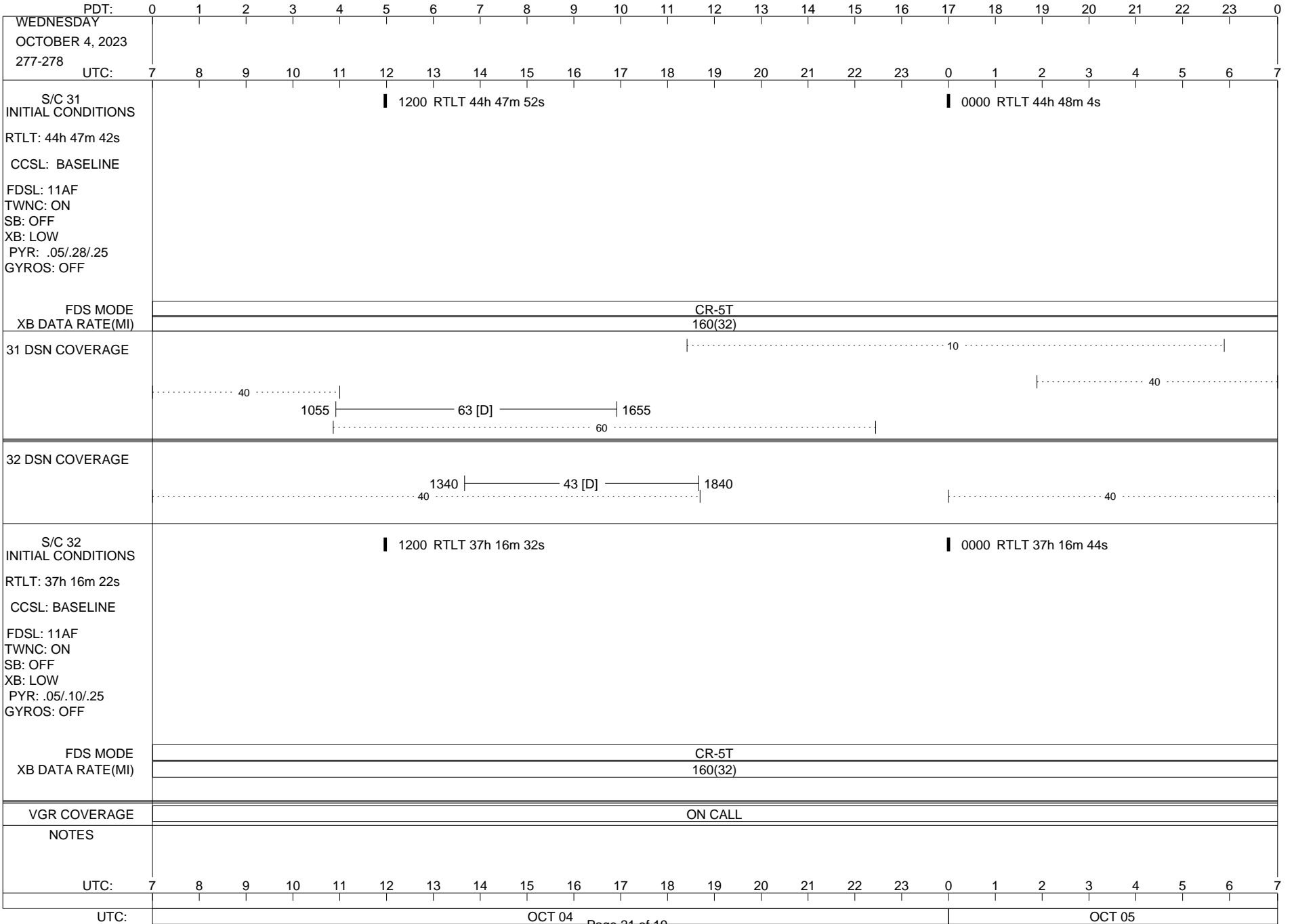
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SUNDAY OCTOBER 1, 2023 274-275																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 44h 46m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.28/.25 GYROS: OFF	1200 RTLT 44h 46m 46s												0000 RTLT 44h 46m 56s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	0710 43 [D] 40 1105 ----- 63 [D] ----- 1405 ----- 60 -----												----- 10 ----- 43 [H1T] 0605 40													
32 DSN COVERAGE	40 1455 ----- 43 [D] ----- 1855												----- 10 ----- 0115 ----- 43 [H1] ----- 0445 40													
S/C 32 INITIAL CONDITIONS RTLT: 37h 15m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 15m 26s												0000 RTLT 37h 15m 38s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE	ON CALL																		VGR	ON CALL						
NOTES	[1] DSS-43 HPTXR DRV ON >= 0140 [2] A129 BACKUP U/L SUPPORT																									
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 01																		OCT 02							



ISSUE DATE: 09/27/23 09:39



ISSUE DATE: 09/27/23 09:39

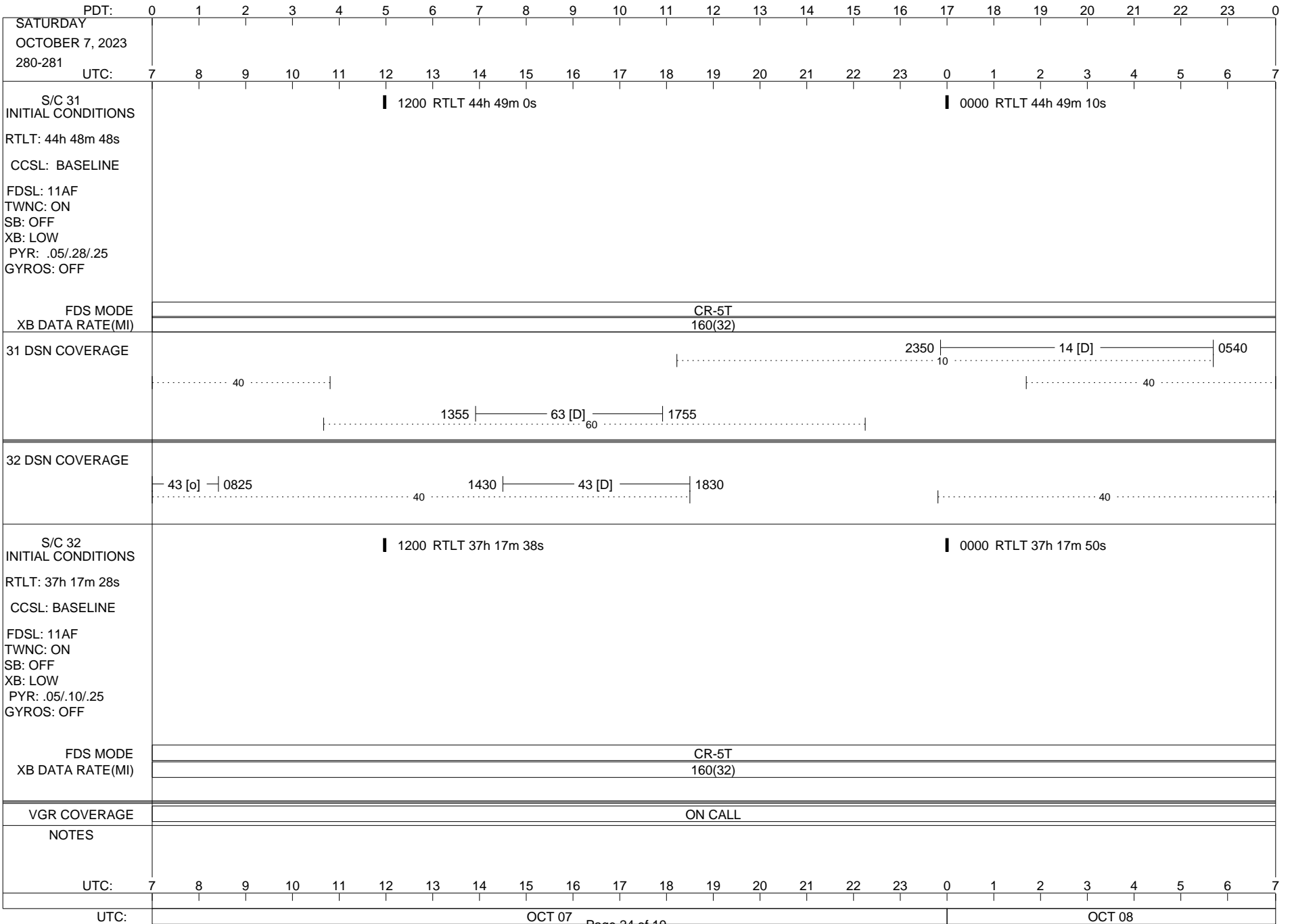


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THURSDAY OCTOBER 5, 2023 278-279																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 44h 48m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.28/.25 GYROS: OFF	1200 RTLTL 44h 48m 16s												0000 RTLTL 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 RTLTL: 37h 16m 44s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 16m 54s												0000 RTLTL 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												

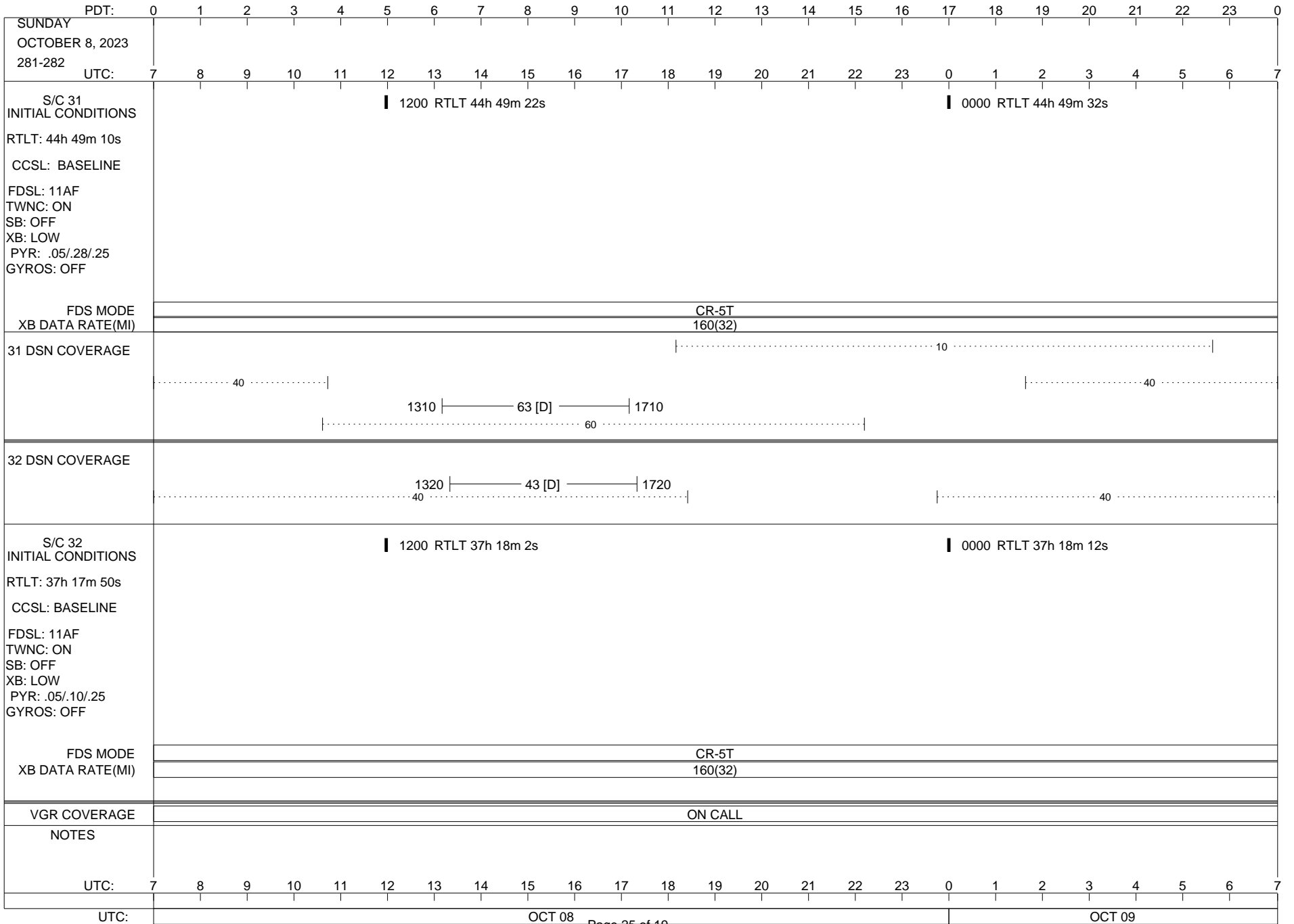
ISSUE DATE: 09/27/23 09:39

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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 COVERAGE40.....												1820 ----- 14 [D] ----- 225510.....												
	1050 ----- 63 [D] ----- 154560.....																								
32 DSN COVERAGE	1220 ----- 43 [D] ----- 183540.....												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: 09/27/23 09:39



ISSUE DATE: 09/27/23 09:39



ISSUE DATE: 09/27/23 09:39

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)																								
	▼ 1530 CR-5T (04:49)																								
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												