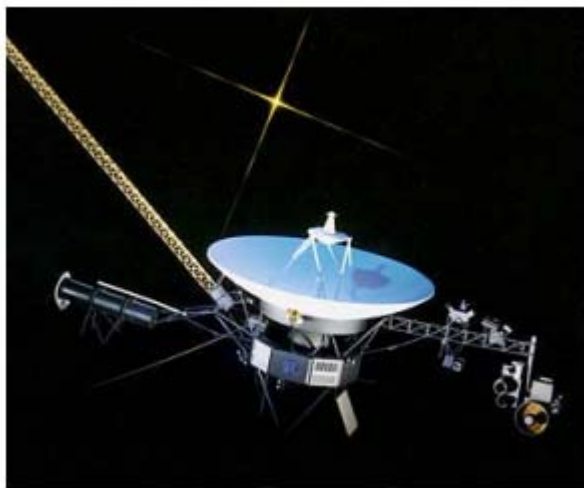


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: August 30, 2023

For the Period: 08/31/23 to 09/18/23 (23/243 – 23/261)

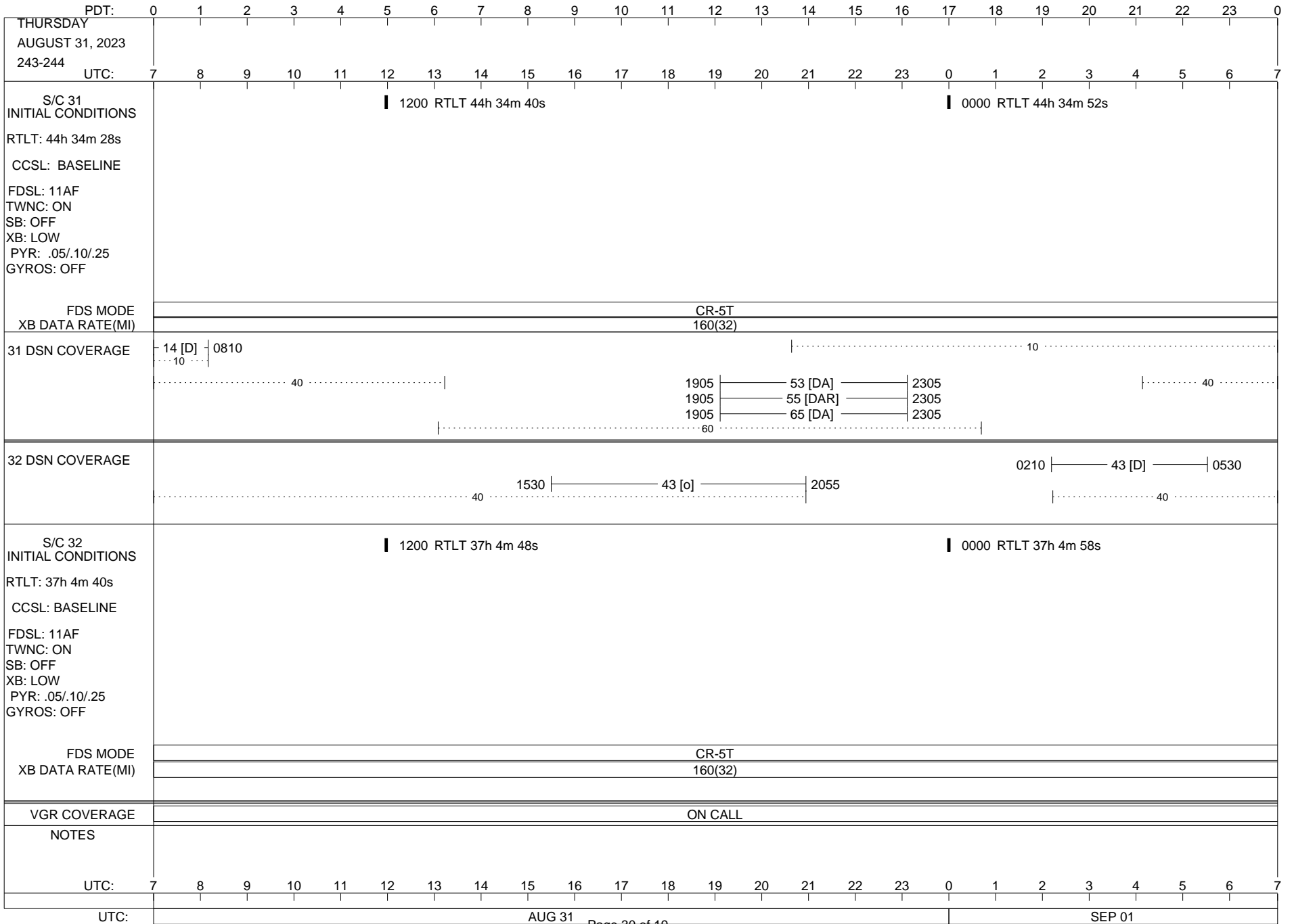


Posted at <https://voyager.jpl.nasa.gov/mission/status/>

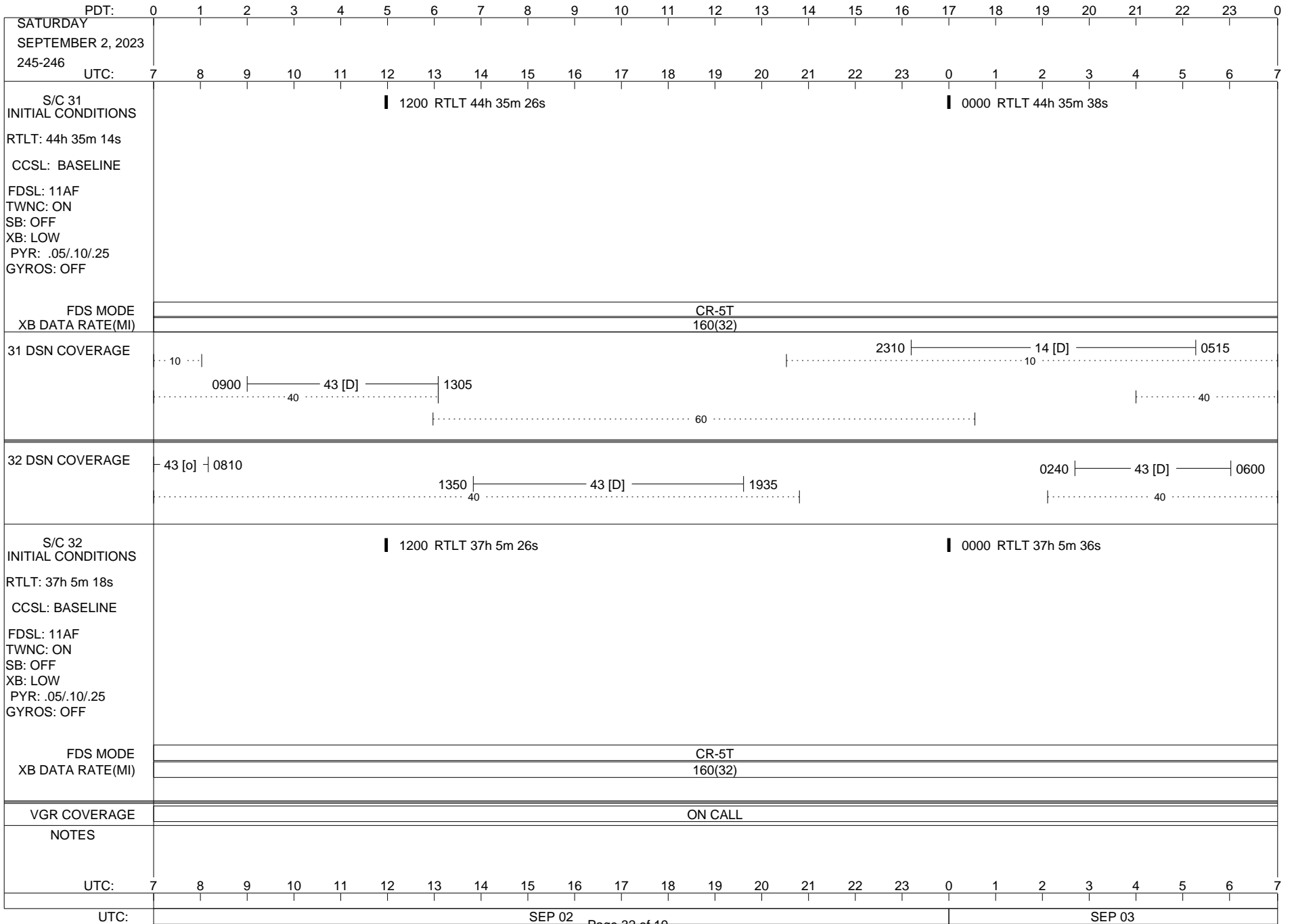
LEGEND:

- ▽ = 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: 08/30/23 09:47



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 1, 2023 244-245																										
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 34m 52s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 44h 35m 2s												| 0000 RTLT 44h 35m 14s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	| 10 |												2045 | 14 [D] | 2305													
	..... 40 .....												..... 10											
	| ..... 60 .....												| ..... 40											
32 DSN COVERAGE	..... 40												1725 | 43 [D] | 2055												
	..... 40												0315 | 43 [o] |													
S/C 32 INITIAL CONDITIONS RTLT: 37h 4m 58s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 37h 5m 8s												| 0000 RTLT 37h 5m 18s													
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 01													SEP 02												



ISSUE DATE: 08/30/23 09:47

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
SEPTEMBER 3, 2023
246-247
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 35m 38s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

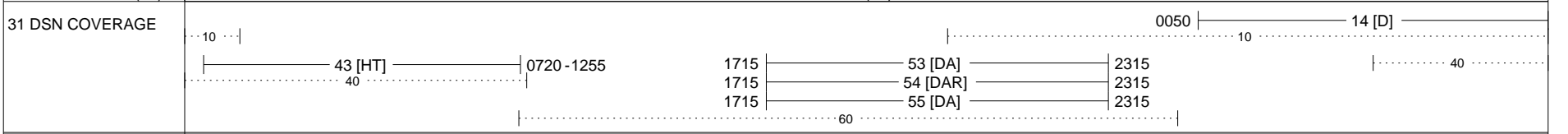
1200 RTLT 44h 35m 50s
0000 RTLT 44h 36m 2s

▼ 1005 CCS DIAG (06:41)

U/L 1030 | - | - - - - - TLC (SHORT-FORM) - - - - -

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)



S/C 32
INITIAL CONDITIONS
RTLT: 37h 5m 36s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 37h 5m 46s
0000 RTLT 37h 5m 56s

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

UTC: SEP 03 Page 33 of 19 SEP 04

ISSUE DATE: 08/30/23 09:47

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 4, 2023 247-248																												
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 36m 2s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 44h 36m 14s												| 0000 RTLT 44h 36m 26s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	| 0755 14 [D]												| 10															
	| 10												| 40															
	| 40												| 43 [D] 0635															
	| 40												| 60															
32 DSN COVERAGE	| 43 [D]												| 0735-1410															
	| 40												| 40															
S/C 32 INITIAL CONDITIONS RTLT: 37h 5m 56s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 37h 6m 4s												| 0000 RTLT 37h 6m 14s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE													ON CALL															
NOTES	JPL HOLIDAY!																											
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 04														SEP 05													

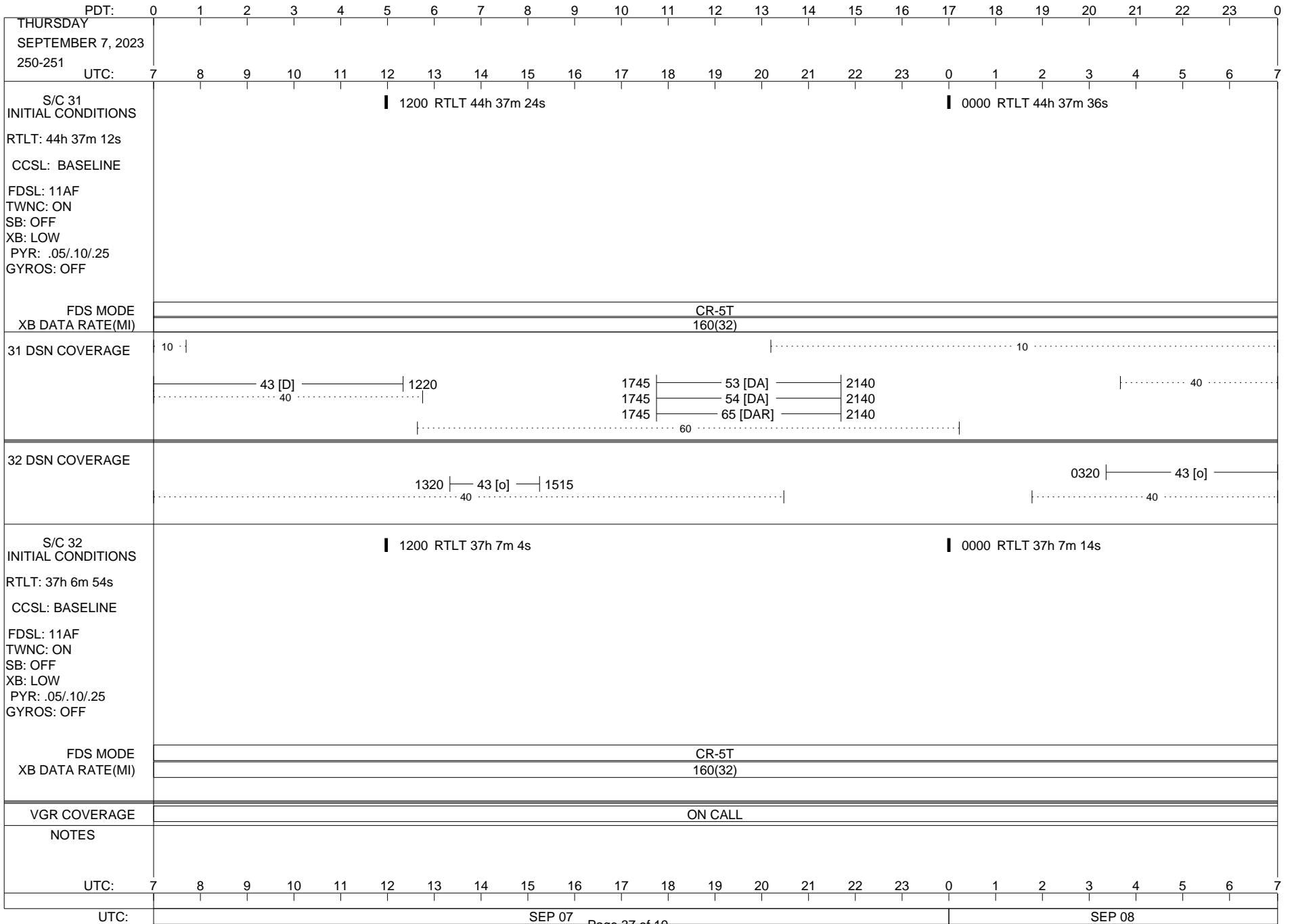
ISSUE DATE: 08/30/23 09:47

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 5, 2023 248-249																									
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S/C 31 INITIAL CONDITIONS RTLT: 44h 36m 26s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 44h 36m 38s												0000 RTLT 44h 36m 48s												
	0836 | 0837 PWS/RH																								
	TLC (SHORT-FORM) D/L | 0834																								
	0836 GS-4B 0837																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	43 [D] | 1130												0245 | 14 [D]												
	40												40												
	60																								
32 DSN COVERAGE	1245 | 43 [H1o] | 1810												40												
	40																								
S/C 32 INITIAL CONDITIONS RTLT: 37h 6m 14s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 6m 24s												0000 RTLT 37h 6m 34s												
	1318 YAW SSB (02:25)																								
	1338 GYROS BC CONDITIONING (02:45)																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] DSS-43 HPTXR DRV OFF <= 19:05																								
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:	SEP 05												SEP 06												

ISSUE DATE: 08/30/23 09:47

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 6, 2023 249-250																										
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 36m 48s CCSL: BASELINE 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	0745 14 [D]												10													
	10												40													
	40												43 [D] 0655													
	40												60													
32 DSN COVERAGE	1430												2035													
	40												40													
	43 [o]												0205													
	40												40													
	40												0605													
S/C 32 INITIAL CONDITIONS RTLT: 37h 6m 34s 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												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 06												SEP 07													

ISSUE DATE: 08/30/23 09:47



ISSUE DATE: 08/30/23 09:47

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 8, 2023 251-252																									
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S/C 31 INITIAL CONDITIONS RTLT: 44h 37m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200																			
FDS MODE																									
XB DATA RATE(MI)																									
31 DSN COVERAGE	10																								
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 37h 7m 14s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200																			
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: 08/30/23 09:47

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
SEPTEMBER 9, 2023
252-253
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

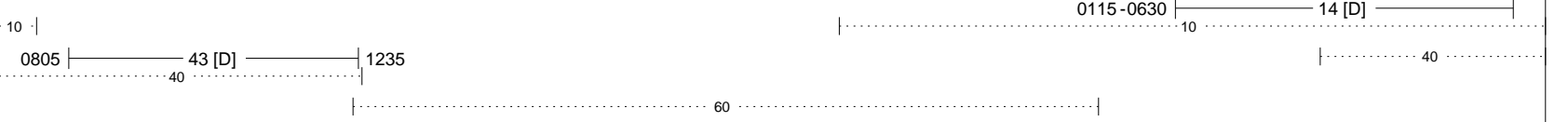
S/C 31
INITIAL CONDITIONS
RTLT: 44h 38m 0s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 44h 38m 12s

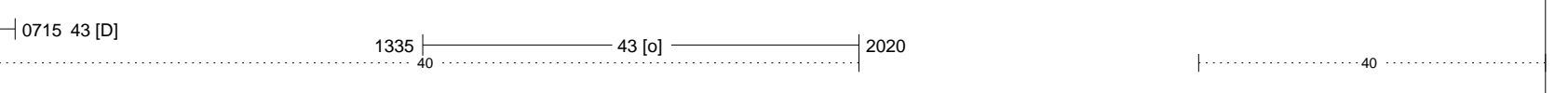
0000 RTLT 44h 38m 24s

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

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLT: 37h 7m 32s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 37h 7m 42s

0000 RTLT 37h 7m 52s

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 09 Page 39 of 19 SEP 10

ISSUE DATE: 08/30/23 09:47

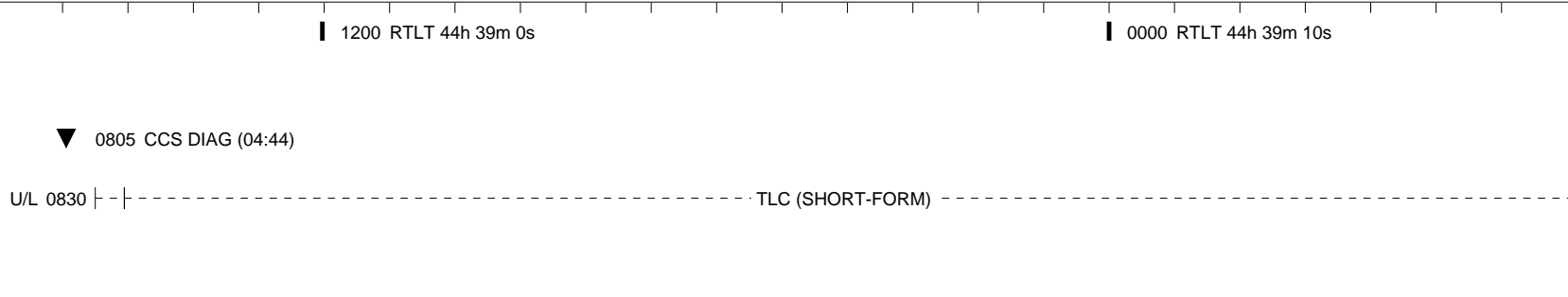
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	
SUNDAY SEPTEMBER 10, 2023 253-254																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 44h 38m 24s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200																				
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	10 |											0100-0700 |	14 [D]													
	..... 40											1555 |----- 53 [DA] -----| 2140													
												1555 |----- 55 [DAR] -----| 2140														
												1555 |----- 54 [DA] -----| 2140		..... 40											
												..... 60													
32 DSN COVERAGE											1200 |----- 43 [D] -----| 1600															
											..... 40														
S/C 32 INITIAL CONDITIONS RTLTL: 37h 7m 52s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200																				
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 10													SEP 11												

ISSUE DATE: 08/30/23 09:47

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 11, 2023
254-255 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

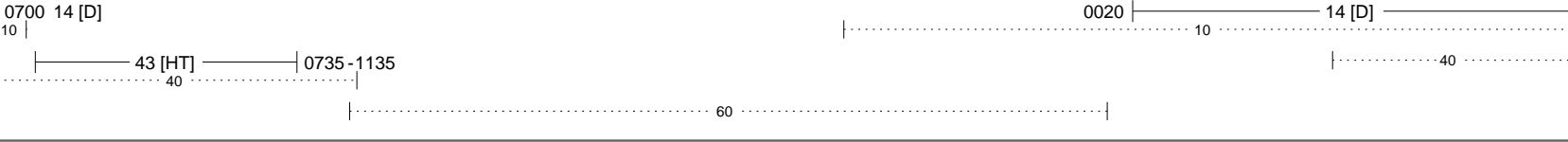
S/C 31
INITIAL CONDITIONS
RTLTL: 44h 38m 48s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/10/.25
GYROS: OFF



FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 37h 8m 12s
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

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 11 SEP 12

ISSUE DATE: 08/30/23 09:47

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 12, 2023 255-256																									
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S/C 31 INITIAL CONDITIONS RTLT: 44h 39m 10s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 44h 39m 22s												0000 RTLT 44h 39m 34s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0720 14 [D] 10												0015 14 [D] 10												
32 DSN COVERAGE	43 [D] 1345												0405 43 [o] 40												
S/C 32 INITIAL CONDITIONS RTLT: 37h 8m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 8m 44s												0000 RTLT 37h 8m 54s												
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 12												SEP 13												

ISSUE DATE: 08/30/23 09:47

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 13, 2023
256-257 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 39m 34s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

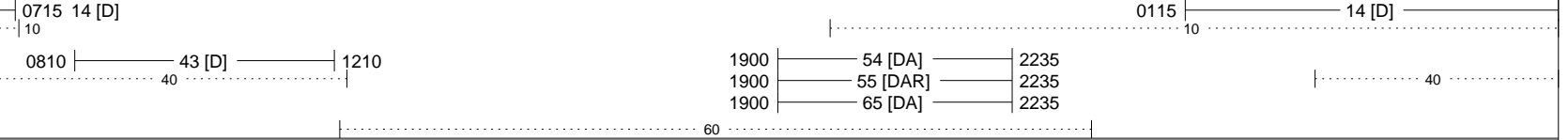
1200 RTLT 44h 39m 46s

0000 RTLT 44h 39m 58s

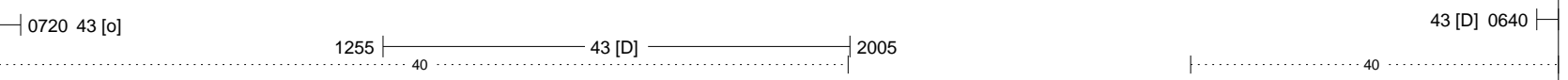
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLT: 37h 8m 54s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 37h 9m 4s

0000 RTLT 37h 9m 14s

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 13 Page 43 of 19 SEP 14

ISSUE DATE: 08/30/23 09:47

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 14, 2023 257-258																										
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S/C 31 INITIAL CONDITIONS RTLTL: 44h 39m 58s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 44h 40m 10s												0000 RTLTL 44h 40m 22s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	0715 14 [D] | ..... 10												0915 |----- 43 [D] -----| 1215													
	1715 |----- 53 [DAR] -----| 2115												1715 |----- 54 [DA] -----| 2115													
	1715 |----- 56 [DA] -----| 2115												..... 40												
32 DSN COVERAGE	43 [D] | 0825												1330 |----- 43 [H1] -----| 2000													
S/C 32 INITIAL CONDITIONS RTLTL: 37h 9m 14s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 37h 9m 24s												| 0000 RTLTL 37h 9m 34s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												VGR ON CALL													
NOTES	[1] DSS-43 HPTXR DRV OFF <= 18:30																									
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:	SEP 14												SEP 15													

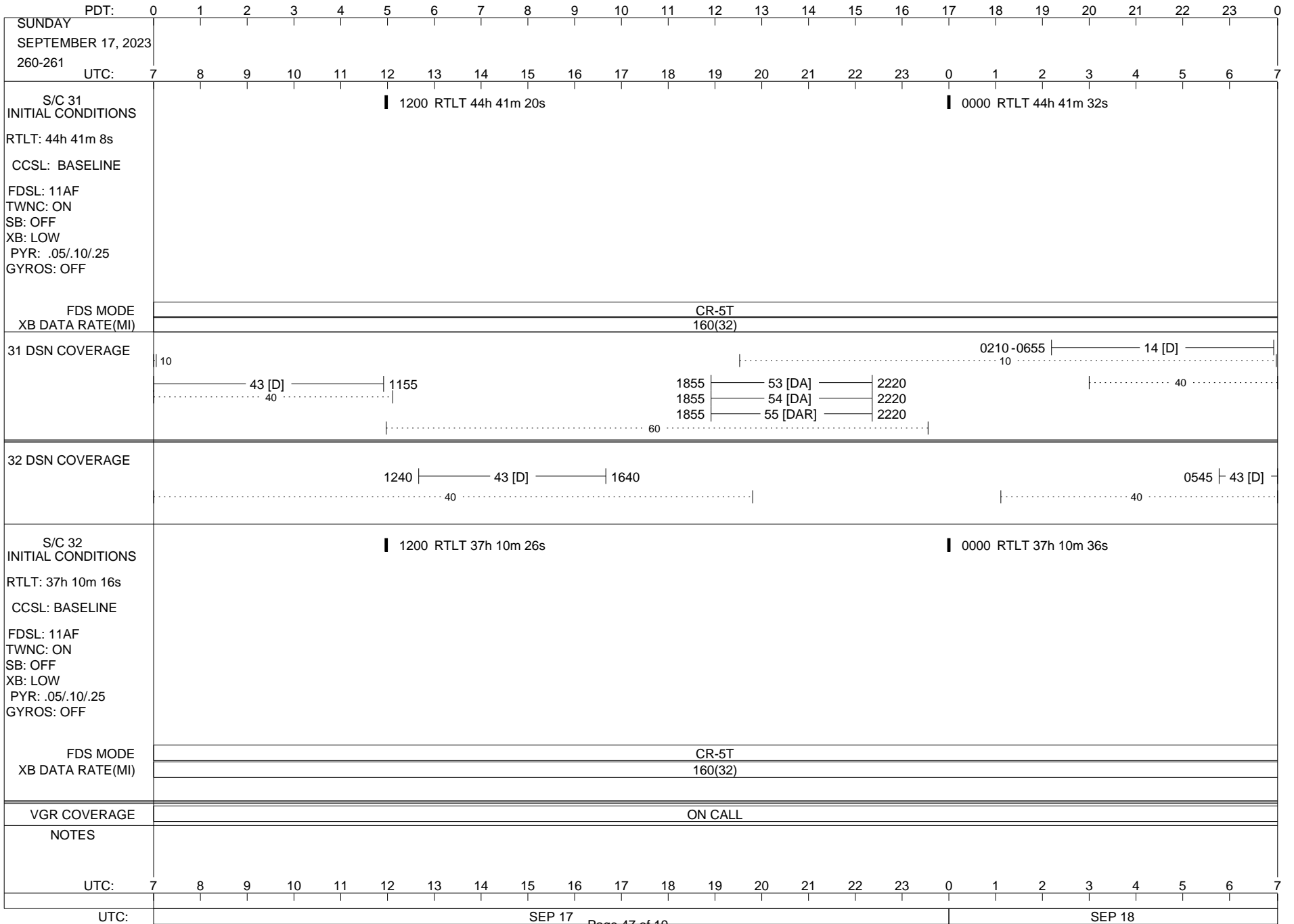
ISSUE DATE: 08/30/23 09:47

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 15, 2023 258-259																										
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 40m 22s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 44h 40m 34s												0000 RTLT 44h 40m 46s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	| 10 40 .....|												1950 |----- 14 [D] -----| 2350 10 60 .....|													
32 DSN COVERAGE	..... 40 .....|												1630 |----- 43 [D] -----| 1955 40 .....|													
S/C 32 INITIAL CONDITIONS RTLT: 37h 9m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 9m 44s												0000 RTLT 37h 9m 54s													
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 15													SEP 16												

ISSUE DATE: 08/30/23 09:47

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 SEPTEMBER 16, 2023 259-260																													
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 40m 46s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 44h 40m 58s														0000 RTLT 44h 41m 8s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS RTLT: 37h 9m 54s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 37h 10m 6s														0000 RTLT 37h 10m 16s													
* ↓ 0717 BAY 1 HTR OFF ↓ 0717 GYROS BC ON ↓ 0717 GYRO INIT ↓ 0727 GYRO FAULT TEST ↓ 0746 AAI 0748 | - | 0821 MAGROL ↓ 0827 RAI ↓ 0833 GYROS OFF ↓ 0847 BAY 1 HTR ON ↓ 0714 EL-40 0715																													
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 16														SEP 17													

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