

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: September 5, 2024

For the Period: 09/05/24 to 09/23/24 (24/249 – 24/267)



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

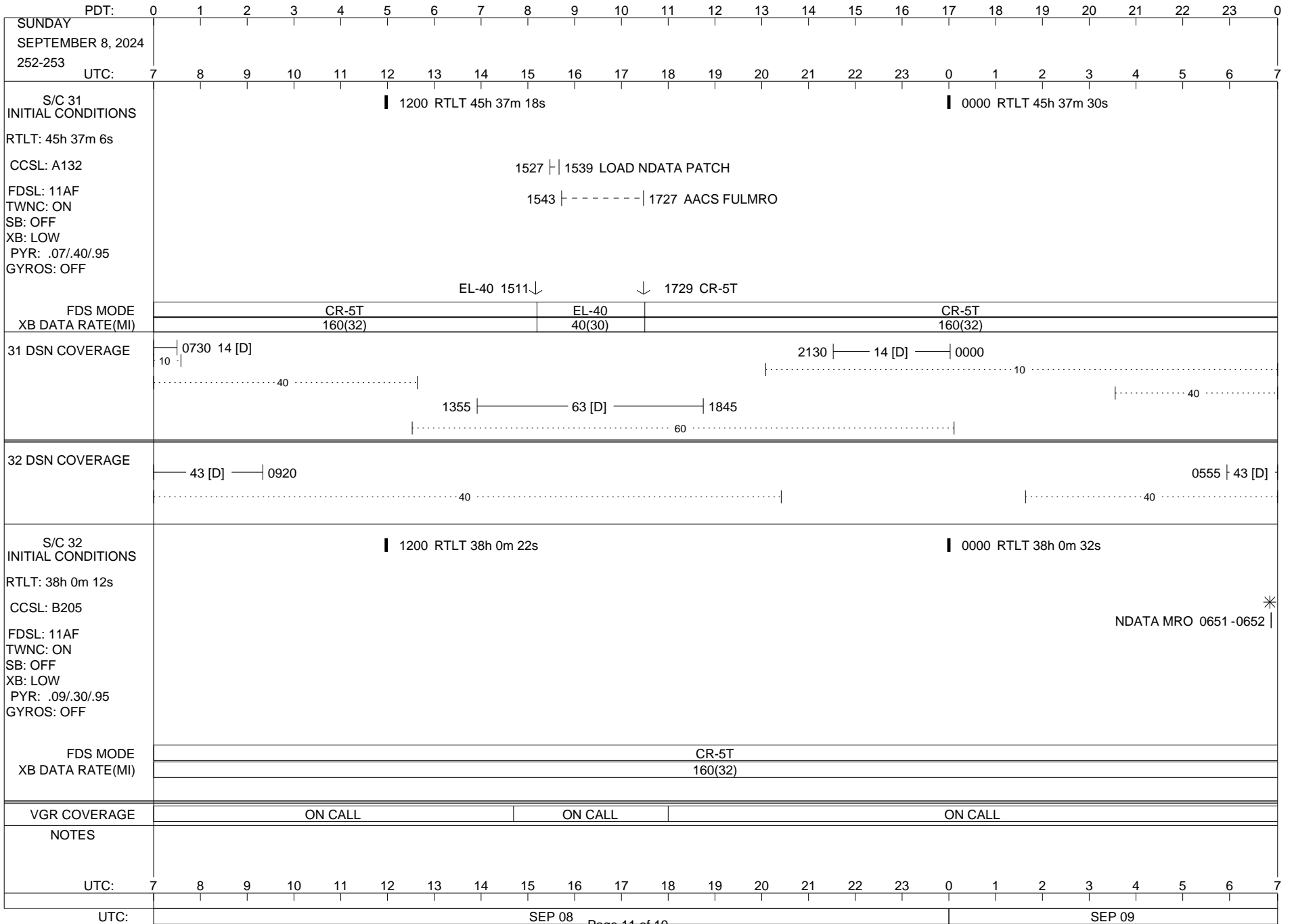
ISSUE DATE: 09/04/24 10:41

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 6, 2024 250-251																										
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: 45h 36m 18s CCSL: A132 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF	1200 RTLT 45h 36m 30s											0000 RTLT 45h 36m 42s														
												A132B CCS CHKSUM 0406 | 0412 CCSTIM FINE 0443 | 0450 COARSE 0501 | 0504 TIC CCS SID MRO 0512 | 0513 EL-40 0340 ↓ CR-5T 0516 ↓														
FDS MODE	CR-5T											EL-40				CR-5T										
XB DATA RATE(MI)	160(32)											40(30)				160(32)										
31 DSN COVERAGE	10 |											2230 | 14 [D] | 0605 10 40 1340 | 63 [D] | 1750 60														
32 DSN COVERAGE	43 [D] | 0945											1550 | 43 [D] | 2035 40 0400 | 43 [D]														
S/C 32 INITIAL CONDITIONS RTLT: 37h 59m 34s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .09/.30/.95 GYROS: OFF	1200 RTLT 37h 59m 44s											0000 RTLT 37h 59m 54s														
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
VGR COVERAGE	ON CALL											VGR														
NOTES	[1] SC 31=EL-40 @ 03:40 XB=40(30) [2] SC 31=CR-5T @ 05:16 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:	SEP 06														SEP 07											

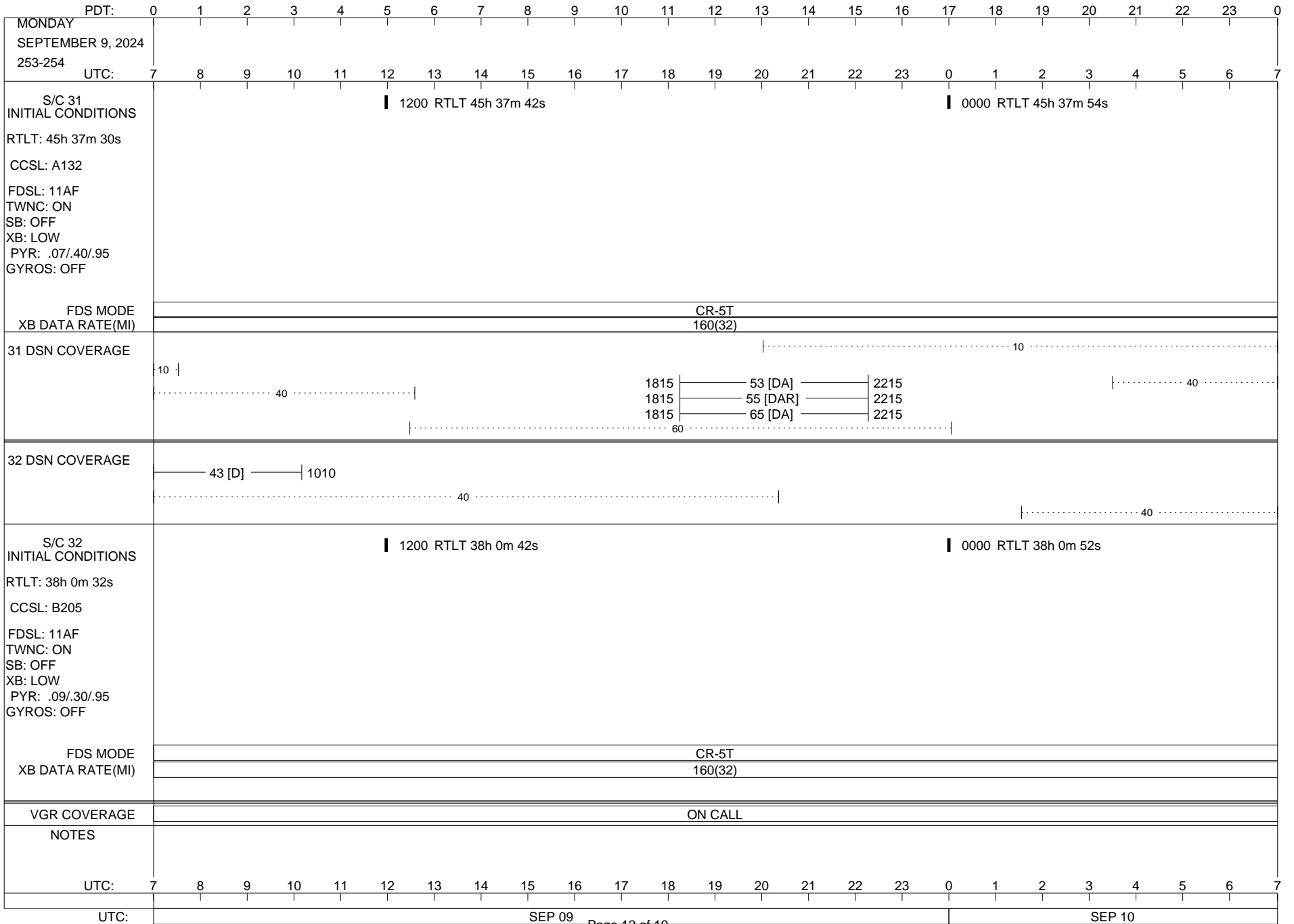
ISSUE DATE: 09/04/24 10:41

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SATURDAY SEPTEMBER 7, 2024 251-252																									
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S/C 31 INITIAL CONDITIONS RTLT: 45h 36m 42s CCSL: A132 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF	1200 RTLT 45h 36m 54s												0000 RTLT 45h 37m 6s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	10 | ..... 40 ..... |												..... 10 0530 | 14 [D] |												
	..... 40 ..... |												..... 40 ..... |												
	..... |												1850 | 63 [D] | 2250											
	..... 60 ..... |												..... |
32 DSN COVERAGE	43 [D] | 0905												1610 | 43 [H10] | 1955												
	..... 40 ..... |												..... 40 ..... |												
0440 | 43 [D] |																									
S/C 32 INITIAL CONDITIONS RTLT: 37h 59m 54s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .09/.30/.95 GYROS: OFF	| 1200 RTLT 38h 0m 4s												| 0000 RTLT 38h 0m 12s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
▼ 1650 NDATA MRO (06:50)																									
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	[1] DSS-43 HPTXR DRV OFF <= 18:55																								
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 07												Page 10 of 19						SEP 08						

ISSUE DATE: 09/04/24 10:41



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ISSUE DATE: 09/04/24 10:41

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 10, 2024																										
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		1200 RTLT 45h 38m 6s												0000 RTLT 45h 38m 18s												
RTLT: 45h 37m 54s																										
CCSL: A132																										
FDSL: 11AF																										
TWNC: ON																										
SB: OFF																										
XB: LOW																										
PYR: .07/.40/.95																										
GYROS: OFF																										
FDS MODE		CR-5T												CR-5T												
XB DATA RATE(MI)		160(32)												160(32)												
31 DSN COVERAGE		10 |										2110-0645 |										14 [D]				
		.....40.....										.....10.....										.....40.....			
		.....60.....																							
32 DSN COVERAGE																										
		0930 |-----35 [DAR]-----|1330						0930 |-----43 [DA]-----|1330						.....40.....											
		.....40.....																							
S/C 32 INITIAL CONDITIONS		1200 RTLT 38h 1m 2s												0000 RTLT 38h 1m 12s												
RTLT: 38h 0m 52s																										
CCSL: B205																										
FDSL: 11AF																										
TWNC: ON																										
SB: OFF																										
XB: LOW																										
PYR: .09/.30/.95																										
GYROS: OFF																										
		↓ 1021 PYR=.05/.05/05 1025 | - | 1056 ASCAL ↓ 1058 PYR=.07/.30/.95 ↓ 1058 AAC SIN FCP SWAP TABLE NOP ↓ 1100 1 SID MRO 0959 EL-40 ↓ ↓ 1103 EL-40																								
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																										
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UTC:		SEP 10												SEP 11												

ISSUE DATE: 09/04/24 10:41

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 11, 2024
255-256

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: 45h 38m 18s
CCSL: A132
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .07/.40/.95
GYROS: OFF

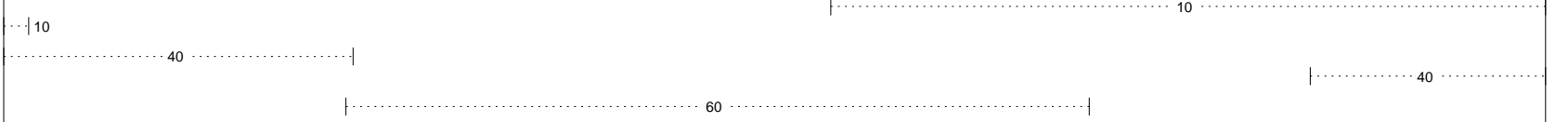
1200 RTLT 45h 38m 30s

0000 RTLT 45h 38m 40s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 38h 1m 12s
CCSL: B205
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .07/.30/.95
GYROS: OFF

1200 RTLT 38h 1m 24s

0000 RTLT 38h 1m 34s

↓ 0952 BAY 1 HTR OFF
↓ 0952 GYROS AC ON
0952 |-----| 1052 CONDITIONING
↓ 1052 GYROS OFF
↓ 1100 BAY 1 HTR ON

↓ 0954 EL-40 0955

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

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 11

SEP 12

ISSUE DATE: 09/04/24 10:41

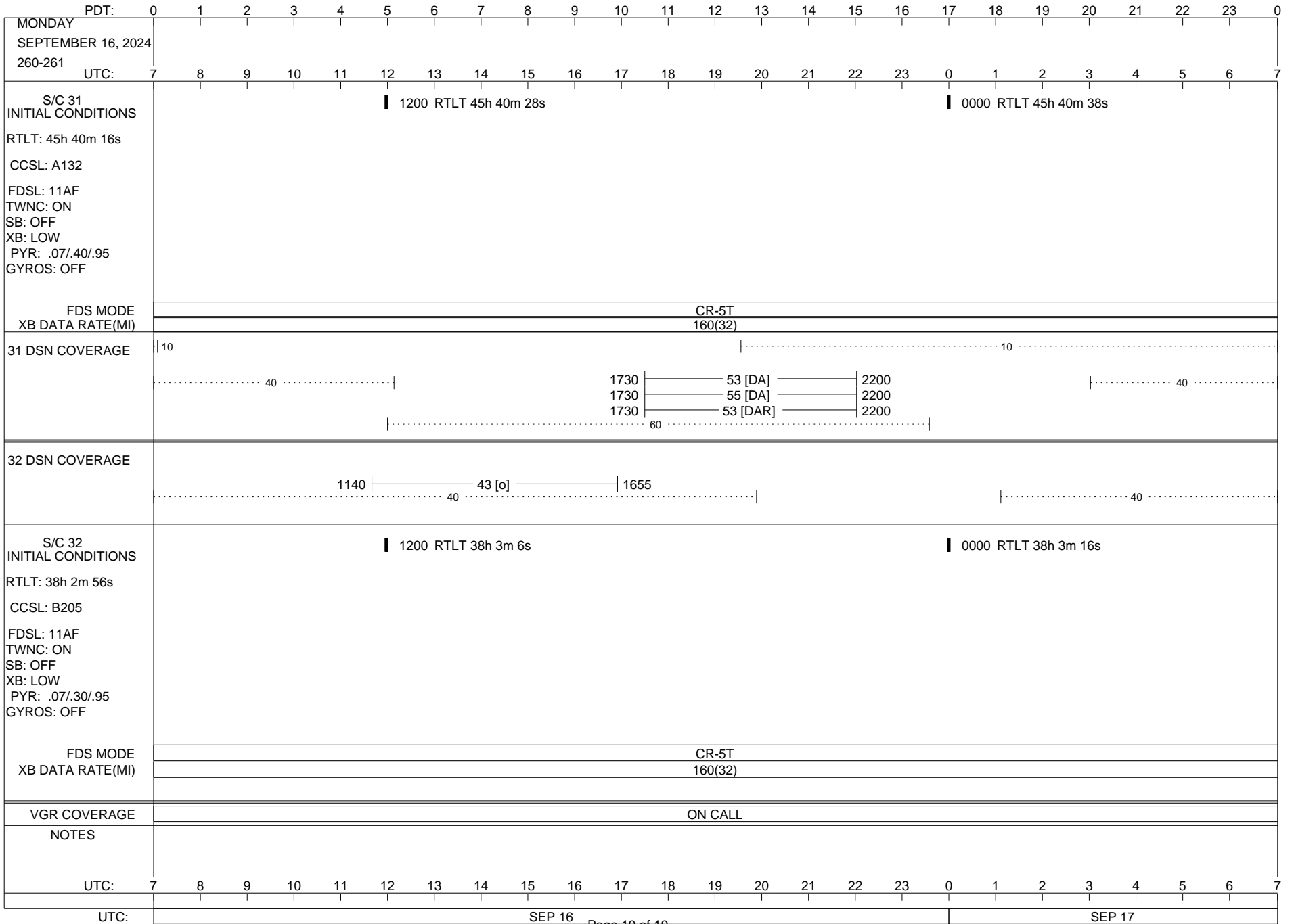
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THURSDAY SEPTEMBER 12, 2024 256-257																												
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S/C 31 INITIAL CONDITIONS RTLTL: 45h 38m 40s CCSL: A132 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF	1200 RTLTL 45h 38m 52s												0000 RTLTL 45h 39m 4s															
▼ 0731 NDATA #3 - LINK NDATA PATCH (05:09) ▼ 0739 AACS FULMRO (05:17)	U/L 0805 | - | ----- TLC (SHORT-FORM) -----																											
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	| 10										|----- 10 -----																	
	|----- 43 [HT] -----| 0705-1115										|----- 0400 ----- 43 [D] -----																	
	|----- 40 -----										|----- 60 -----																	
32 DSN COVERAGE	|----- 40 -----																											
	1215 |----- 43 [o] -----| 1730										|----- 40 -----																	
S/C 32 INITIAL CONDITIONS RTLTL: 38h 1m 34s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.30/.95 GYROS: OFF	| 1200 RTLTL 38h 1m 44s												| 0000 RTLTL 38h 1m 54s															
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 12														SEP 13													

ISSUE DATE: 09/04/24 10:41

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 13, 2024 257-258																												
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: 45h 39m 4s CCSL: A132 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF	1200 RTLT 45h 39m 16s												0000 RTLT 45h 39m 28s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	43 [D] 0815												0310 14 [D]															
32 DSN COVERAGE	1015 35 [DAR] 1605												0130-0630 43 [o]															
S/C 32 INITIAL CONDITIONS RTLT: 38h 1m 54s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.30/.95 GYROS: OFF	1200 RTLT 38h 2m 4s												0000 RTLT 38h 2m 14s															
	<ul style="list-style-type: none"> ↓ 1050 BAY 1 HTR OFF ↓ 1050 GYROS BC ON ↓ 1050 GYRO INIT ↓ 1100 GYRO FAULT TEST ↓ 1107 PYR=.05/.10/.25 ↓ 1120 AAI 1123 | 1156 MAGROL ↓ 1157 PYR=.07/.30/.95 ↓ 1202 RAI ↓ 1209 GYROS OFF ↓ 1216 BAY 1 HTR ON 												1052 EL-40 1055 ↓															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												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:	SEP 13														SEP 14													

ISSUE DATE: 09/04/24 10:41

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 15, 2024 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: 45h 39m 52s CCSL: A132 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF	| 1200 RTLT 45h 40m 4s												| 0000 RTLT 45h 40m 16s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	| 10										| 10														
	.....40				1415 |----- 53 [DA] -----| 1920				1415 |----- 55 [DA] -----| 1920				1415 |----- 65 [DAR] -----| 1920				.....40							
	|-----60												|												
32 DSN COVERAGE	- 43 [D] -| 0825												1530 |----- 43 [D] -----| 1950												
	.....40												|-----40											
S/C 32 INITIAL CONDITIONS RTLT: 38h 2m 34s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.30/.95 GYROS: OFF	| 1200 RTLT 38h 2m 44s												| 0000 RTLT 38h 2m 56s												
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: 09/04/24 10:41

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 18, 2024
262-263

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: 45h 41m 2s
CCSL: A132
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .07/.40/.95
GYROS: OFF

1200 RTLTL 45h 41m 14s

0000 RTLTL 45h 41m 26s

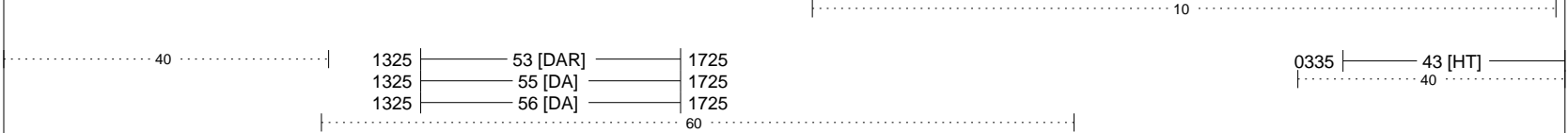
CCS DIAG (02:16) 0435▼

U/L 0500 | - |
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: 38h 3m 36s
CCSL: B205
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .07/.30/.95
GYROS: OFF

1200 RTLTL 38h 3m 48s

0000 RTLTL 38h 3m 58s

MAGCAL ---|0938

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 18

SEP 19

ISSUE DATE: 09/04/24 10:41

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 19, 2024 263-264																												
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: 45h 41m 26s CCSL: A132 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF	| 1200 RTLT 45h 41m 38s												| 0000 RTLT 45h 41m 50s															
----- TLC (SHORT-FORM) -----																												
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE													|.....10.....|															
	| 0750 43 [HT]															0600 43 [D]											
40.....															40.....											
													|.....60.....|															
32 DSN COVERAGE													|.....0905 |.....43 [H1] |.....1305														
													.....40.....														
													|.....0055 |.....43 [D] |.....0510														
													.....40.....														
S/C 32 INITIAL CONDITIONS RTLT: 38h 3m 58s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.30/.95 GYROS: OFF	| 1200 RTLT 38h 4m 8s												| 0000 RTLT 38h 4m 20s															
	▼ 1110 PITCH 0.07 DEG DEADBAND (01:14)																											
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
VGR COVERAGE	ON CALL				VGR				ON CALL																			
NOTES	[1] DSS-43 HPTXR DRV OFF <= 18:10																											
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 19														SEP 20													

ISSUE DATE: 09/04/24 10:41

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 20, 2024 264-265																											
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: 45h 41m 50s CCSL: A132 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF	█ 1200 RTLT 45h 42m 0s												█ 0000 RTLT 45h 42m 12s														
----- TLC (SHORT-FORM) ----- | D/L - | 0410																											
FDS MODE	CR-5T												CR-5T														
XB DATA RATE(MI)	160(32)												160(32)														
31 DSN COVERAGE	43 [D] 40 | 1015												0045 | 14 [D] | 0530														
..... 60 .....												..... 40												
32 DSN COVERAGE	..... 40												0050 | 43 [o] | 0450													
..... 40 .....												..... 40												
S/C 32 INITIAL CONDITIONS RTLT: 38h 4m 20s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.30/.95 GYROS: OFF	█ 1200 RTLT 38h 4m 30s												█ 0000 RTLT 38h 4m 40s														
↓ 0145 PITCH 0.07 DEG DEADBAND																											
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 20															SEP 21											

ISSUE DATE: 09/04/24 10:41

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 21, 2024 265-266																										
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: 45h 42m 12s CCSL: A132 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF						█ 1200																				█ 0000
FDS MODE																										
XB DATA RATE(MI)																										
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLTL: 38h 4m 40s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.30/.95 GYROS: OFF						█ 1200																				█ 0000
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:	SEP 21													SEP 22												

ISSUE DATE: 09/04/24 10:41

