

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: September 7, 2021

For the Period: 09/09/21 to 09/27/21 (21/252 – 21/270)



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

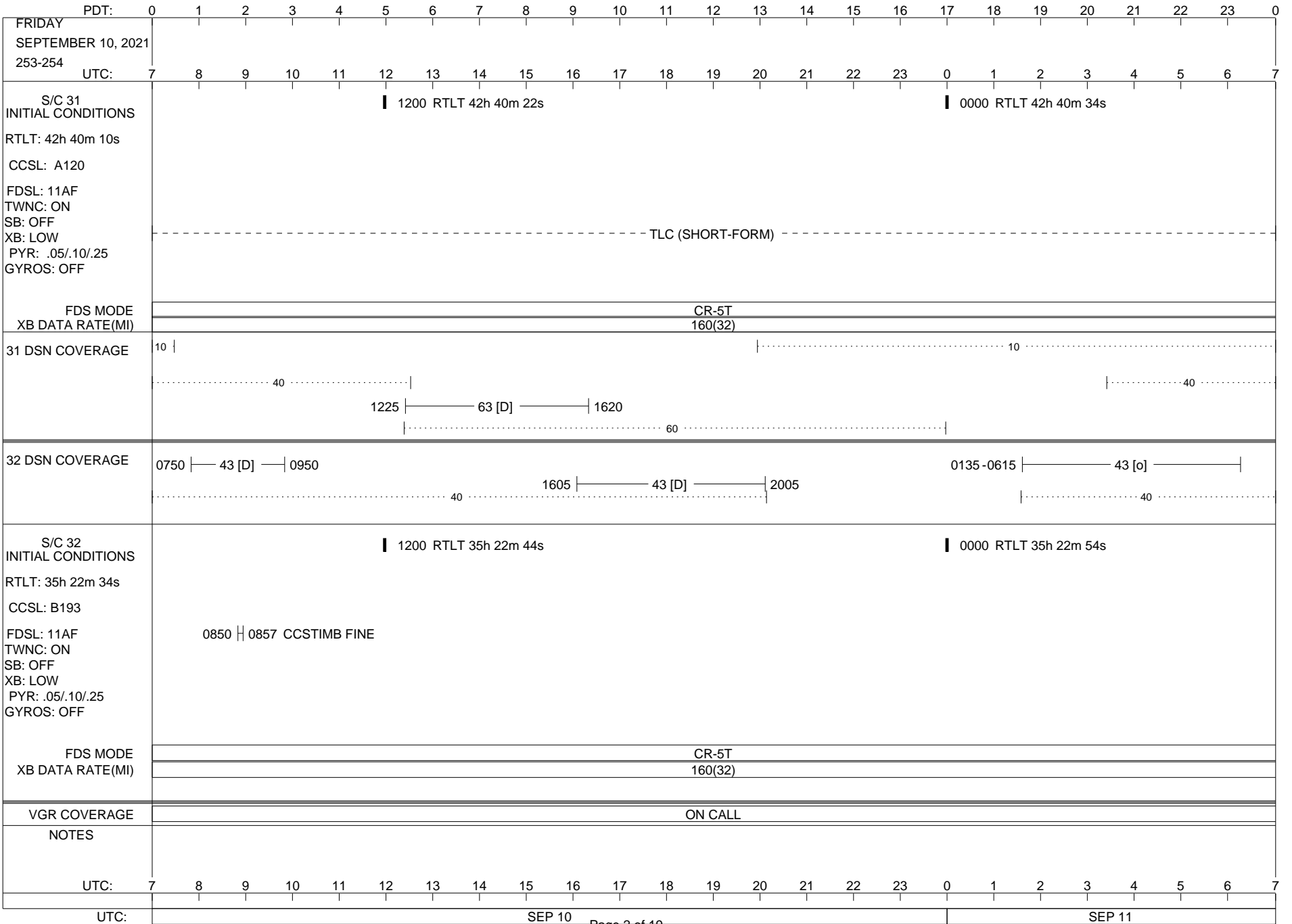
LEGEND:

- ▽ = 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

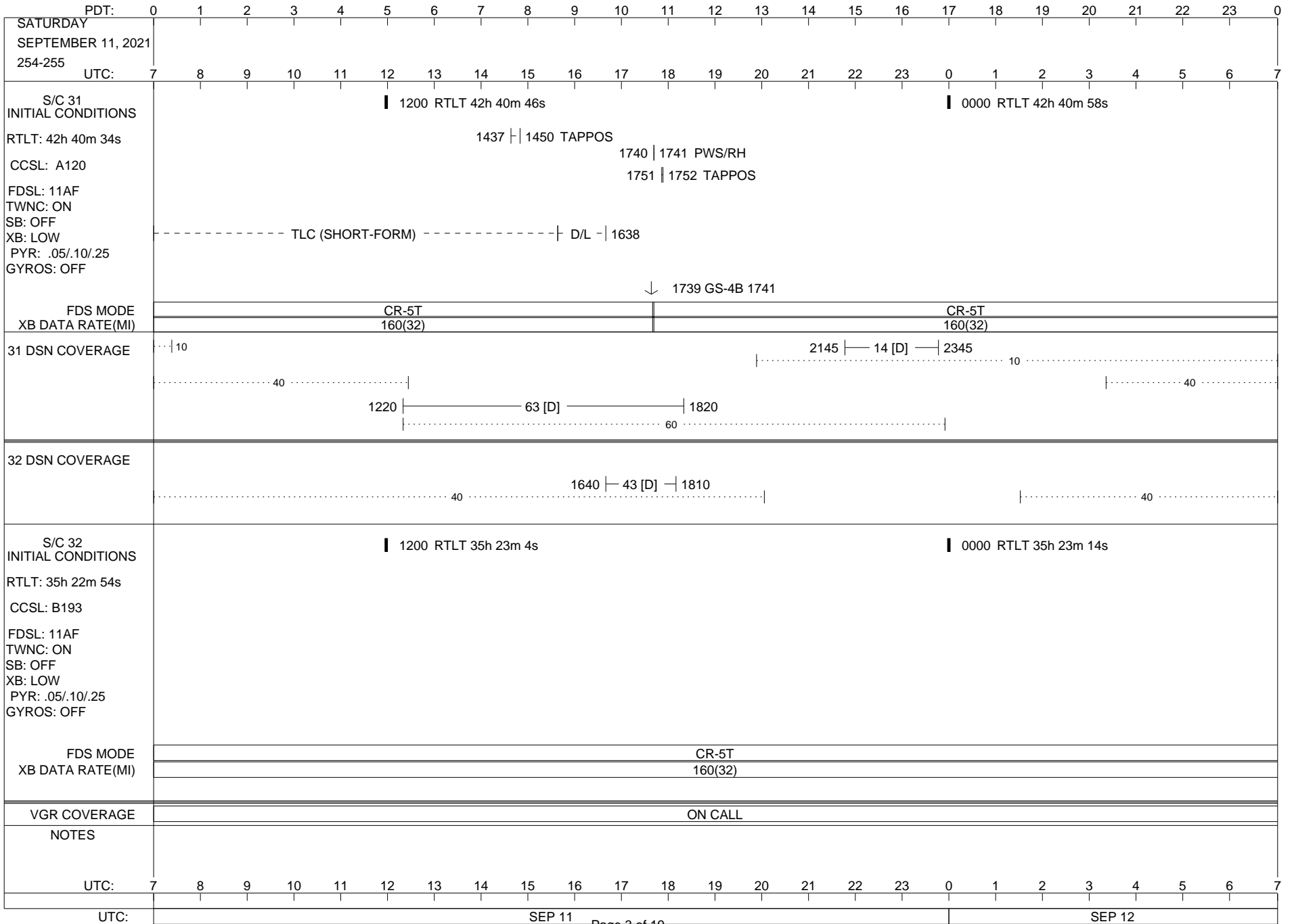
02/27/19

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THURSDAY SEPTEMBER 9, 2021 252-253																										
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S/C 31 INITIAL CONDITIONS RTLTL: 42h 39m 46s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 42h 39m 58s 1137 1203 TAPPOS 1439 1440 PWS/RH 1450 1503 TAPPOS 2005 CCS DIAG (14:45) U/L 2030 ----- TLC (SHORT-FORM) ----- 1439 GS-4B 1440												0000 RTLTL 42h 40m 10s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	10 40 40 40 40												1930 63 [T] 0000													
32 DSN COVERAGE 40 1515 43 [D] 2000											 40													
S/C 32 INITIAL CONDITIONS RTLTL: 35h 22m 14s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 22m 24s 1637 - - - 1737 GYRO CONDITIONING 1637 - - - 1737 GYRO AC ON 1637 - - - 1737 BAY 1 HTR OFF 1745 - - - 1745 BAY 1 HTR ON 1640 EL-40 1641												0000 RTLTL 35h 22m 34s 0700-0514 COMMAND MORATORIUM													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
VGR COVERAGE	ON CALL						VGR			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	
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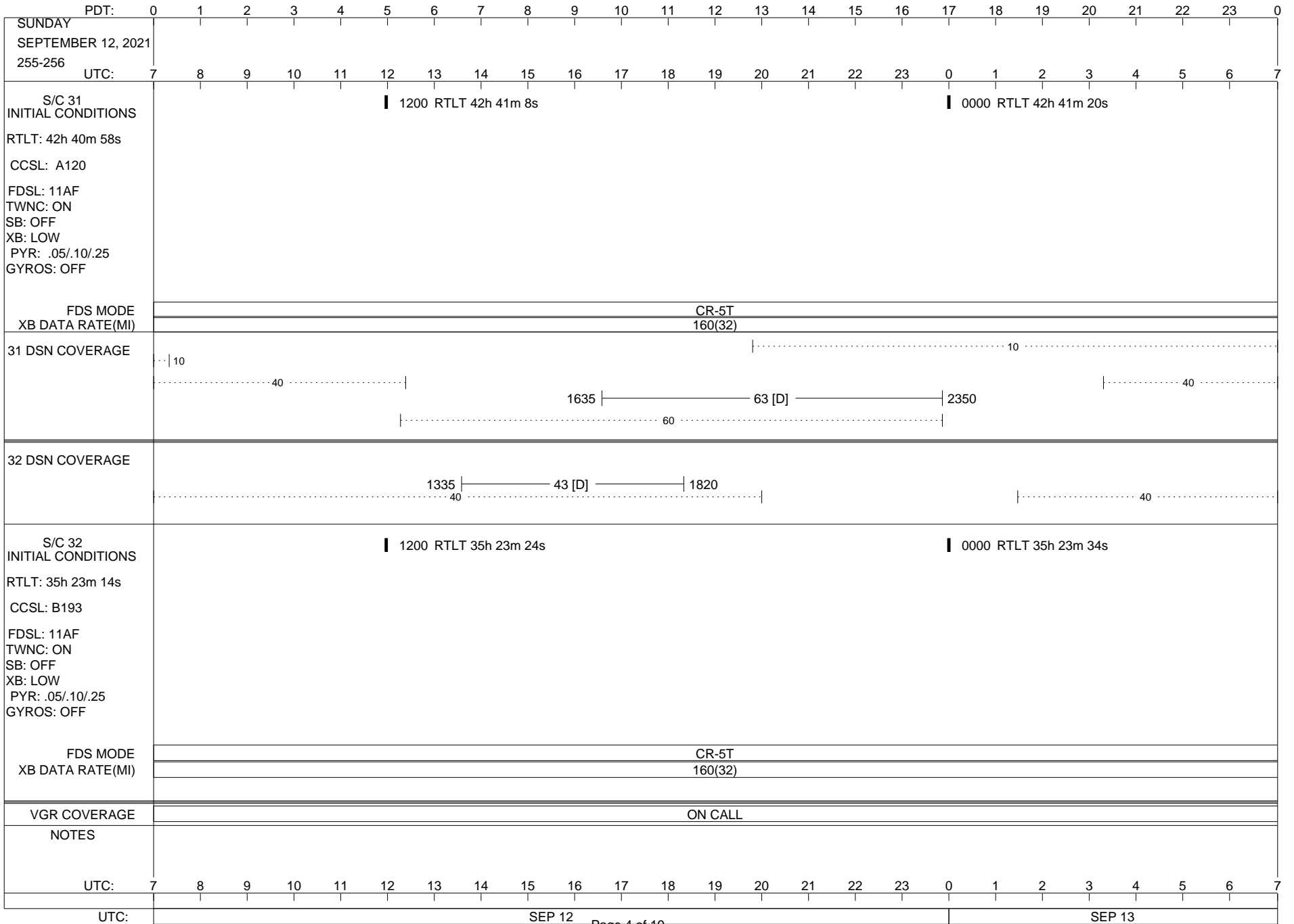
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MONDAY																												
SEPTEMBER 13, 2021																												
256-257 UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS RTLTL: 42h 41m 20s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLTL 42h 41m 32s											0000 RTLTL 42h 41m 44s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE		10											2300 ----- 14 [D] ----- 0300 ----- 10 ----- ----- 40 ----- ----- 60 -----															
32 DSN COVERAGE		40											1600 ----- 43 [H1] ----- 1955 ----- 40 -----															
S/C 32 INITIAL CONDITIONS RTLTL: 35h 23m 34s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLTL 35h 23m 46s											0000 RTLTL 35h 23m 56s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
VGR COVERAGE		ON CALL											VGR		ON CALL													
NOTES		[1] DSS-43 HP TXR DRV OFF <= 18:27																										
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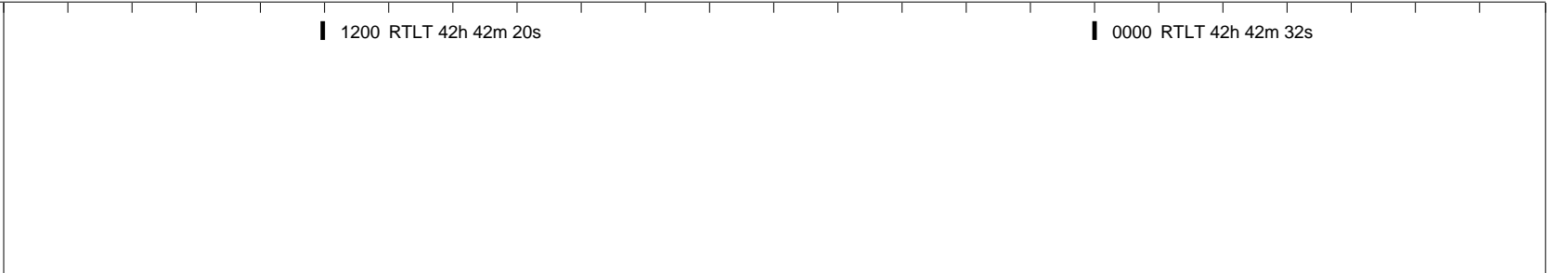
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TUESDAY SEPTEMBER 14, 2021 257-258																													
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S/C 31 INITIAL CONDITIONS RTLT: 42h 41m 44s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 42h 41m 56s														0000 RTLT 42h 42m 8s													
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 RTLT: 35h 23m 56s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 35h 24m 6s ↓ 1127 PYR=.05/05/05 1131 - 1204 ASCAL ↓ 1204 ROLL=.25 ↓ 1206 AAC SIN FCP SWAP TABLE NOP ↓ 1207 1 SID MRO														0000 RTLT 35h 24m 16s BL RESTART 0517 ↓ CCSB FULMRO 0544 - - - - -													
FDS MODE		EL-40 1105 ↓				↓ 1208 CR-5T				1741 BL SEQ RESTART PREP ↓ 1741 EL-40 1742 1743 2 SID MRO'S ↓ 1744 CR-5T 1841 1842 1843 2 SID MRO'S ↓ 1844 CR-5T				EL-40 0538 ↓ *															
XB DATA RATE(MI)		CR-5T 160(32)				EL-40 40(30)				CR-5T 160(32)				CR-5T 160(32)				CR-5T 160(32)				EL-40 40(30)							
VGR COVERAGE		ON CALL				VGR				ON CALL				VGR				ON CALL				VGR							
NOTES		[1] S/C 32=EL-40 XB=40(30) @ 1105 [2] S/C 32=CR-5T XB=160(32) @ 1208 [3] S/C 32=EL-40 XB=40(30) @ 1741														[4] S/C 32=CR-5T XB=160(32) @ 1744 [5] S/C 32=EL-40 XB=40(30) @ 1841 [6] S/C 32=CR-5T XB=160(32) @ 1844 [7] S/C 32=EL-40 XB=40(30) @ 0538													
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UTC:		SEP 14														SEP 15													

ISSUE DATE: 09/07/21 15:32

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WEDNESDAY
 SEPTEMBER 15, 2021
 258-259

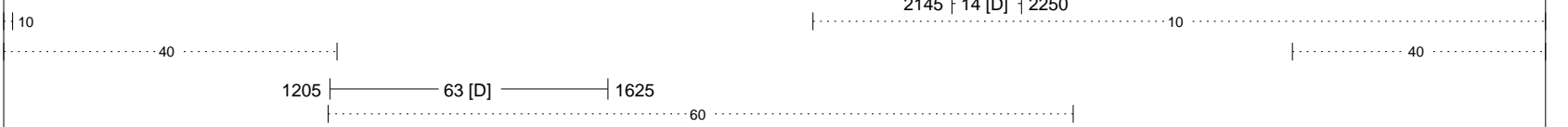
S/C 31
 INITIAL CONDITIONS
 RTLT: 42h 42m 8s
 CCSL: A120
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05/.10/.25
 GYROS: OFF



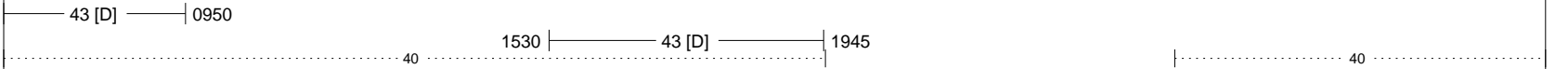
FDS MODE
 XB DATA RATE(MI)

CR-5T
 160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
 INITIAL CONDITIONS
 RTLT: 35h 24m 16s
 CCSL: B193
 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

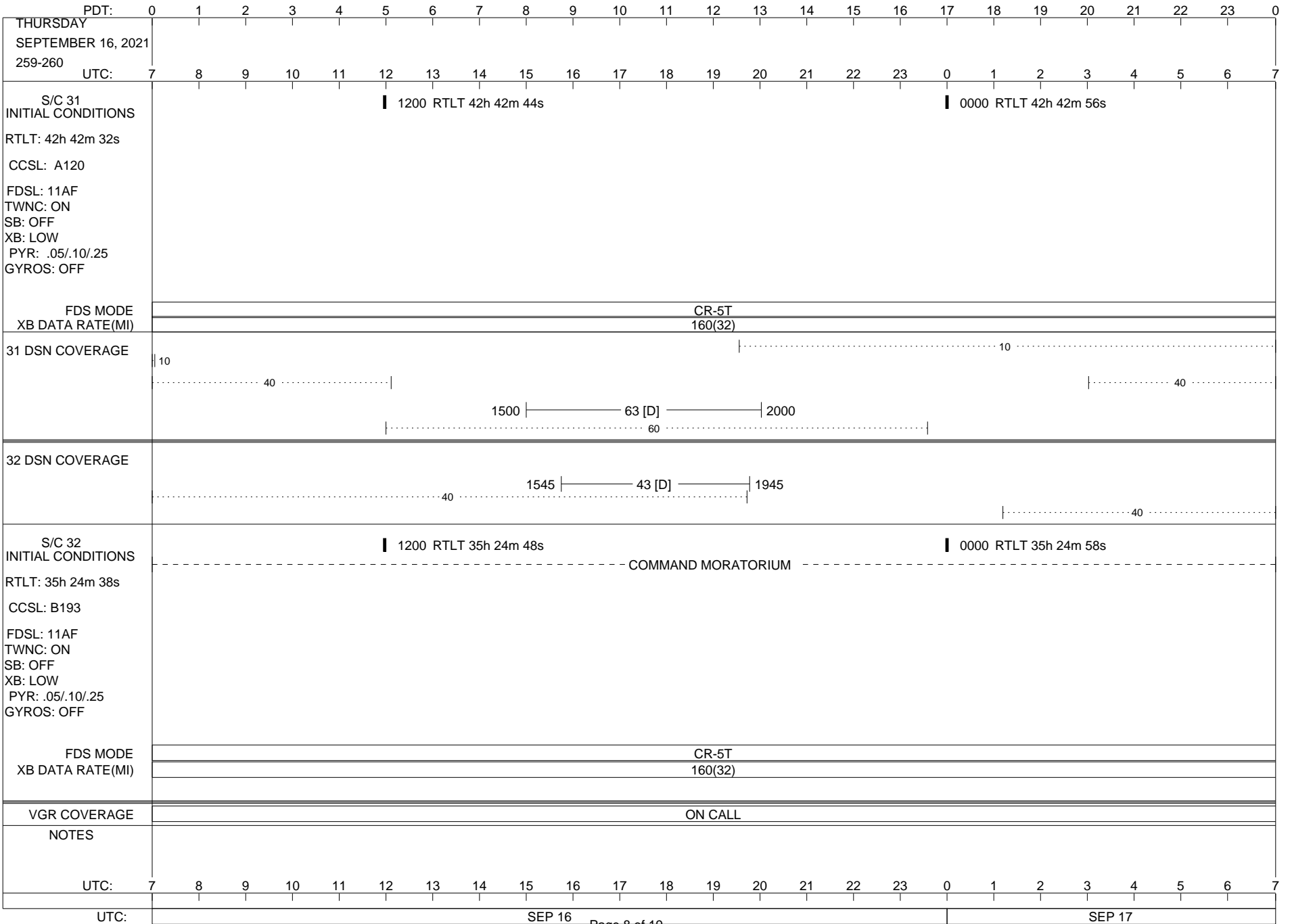
VGR ON CALL

NOTES

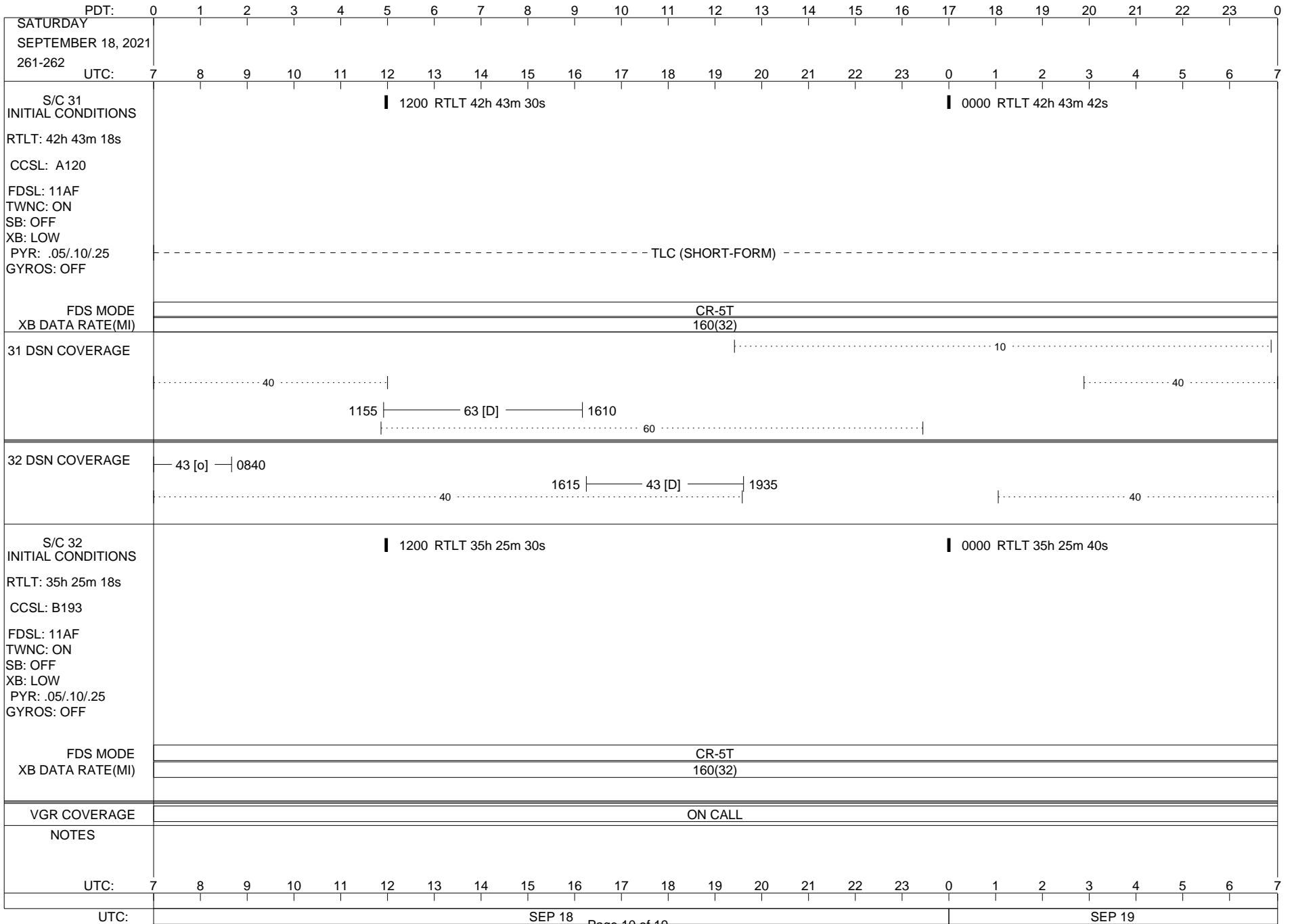
[1] S/C 32=CR-5T XB=160(32) @ 0713

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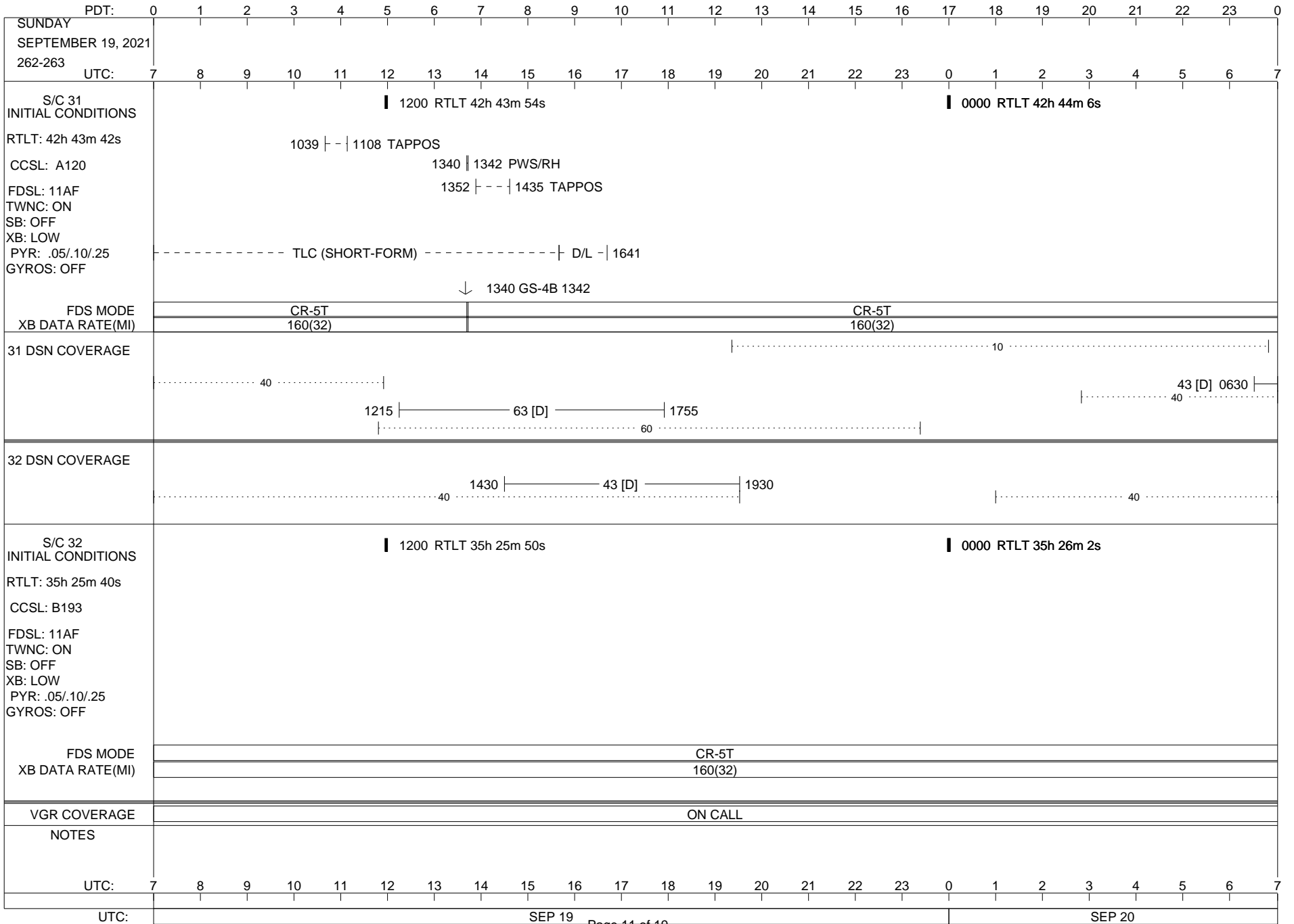
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FRIDAY SEPTEMBER 17, 2021 260-261																																				
S/C 31 INITIAL CONDITIONS RTLT: 42h 42m 56s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 42h 43m 6s														0000 RTLT 42h 43m 18s																				
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														CR-5T 160(32)																				
31 DSN COVERAGE																																				
32 DSN COVERAGE																																				
S/C 32 INITIAL CONDITIONS RTLT: 35h 24m 58s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 35h 25m 8s														0000 RTLT 35h 25m 18s																				
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														CR-5T 160(32)																				
VGR COVERAGE		ON CALL							VGR							ON CALL							VGR							ON CALL						
NOTES		COMMAND MORATORIUM ----- 2341 ↓ 1036 BAY 1 HTR OFF ↓ 1036 GYROS BC ON ↓ 1037 GYRO INIT ↓ 1046 GYRO FAULT TEST ↓ 1107 AAI 1110 - 1144 MAGROL ↓ 1149 RAI ↓ 1155 GYROS OFF ↓ 1203 BAY 1 HTR ON ↓ 1039 EL-40 1041																																		
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										
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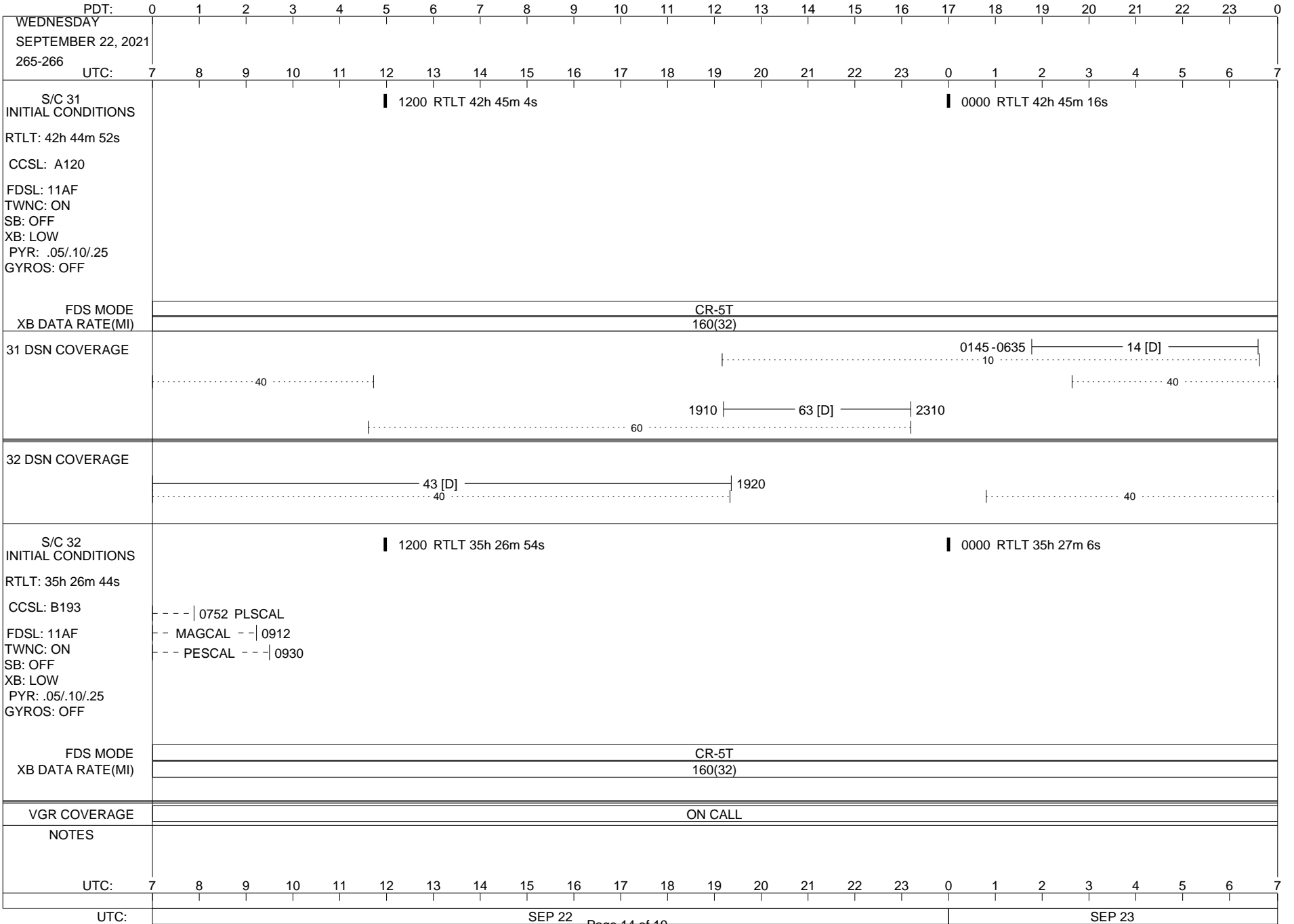
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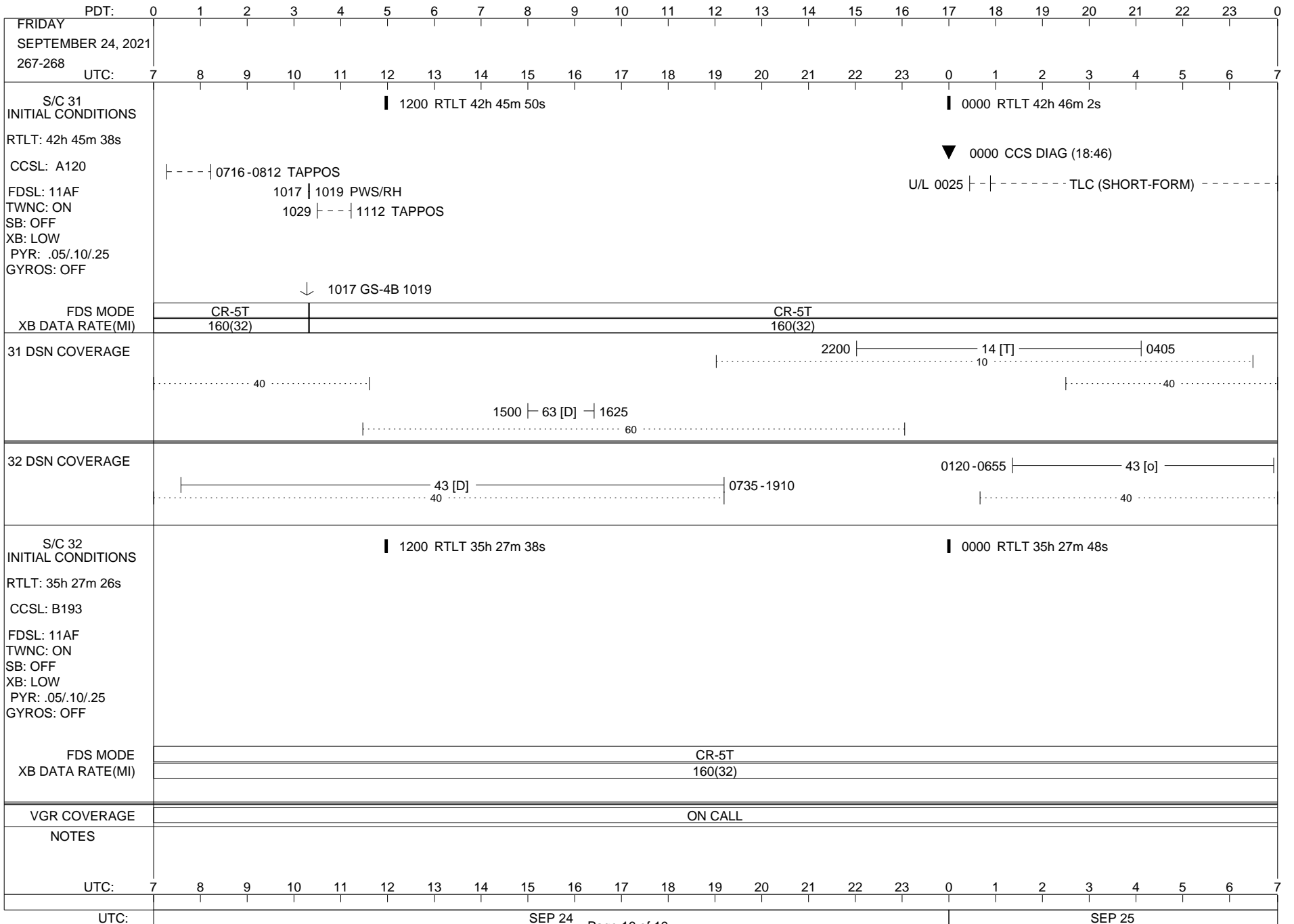
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MONDAY SEPTEMBER 20, 2021 263-264																									
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S/C 31 INITIAL CONDITIONS RTLTL: 42h 44m 6s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 42h 44m 18s												█ 0000 RTLTL 42h 44m 28s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 35h 26m 2s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 35h 26m 12s												█ 0000 RTLTL 35h 26m 22s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	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												Page 12 of 19						SEP 21						

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TUESDAY SEPTEMBER 21, 2021 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 RTLTL: 42h 44m 28s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 42h 44m 40s												0000 RTLTL 42h 44m 52s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	40												0135-0640 14 [D] 10												
	1730 63 [D] 2315												40												
32 DSN COVERAGE	1225 43 [D] 1925												0525 43 [D] 40												
S/C 32 INITIAL CONDITIONS RTLTL: 35h 26m 22s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 26m 34s												0000 RTLTL 35h 26m 44s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL																								
NOTES																									
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UTC:	SEP 21												SEP 22												

ISSUE DATE: 09/07/21 15:32



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S/C 31 INITIAL CONDITIONS RTLTL: 42h 45m 16s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200																			
FDS MODE																									
XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 35h 27m 6s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200																			
FDS MODE																									
XB DATA RATE(MI)																									
VGR COVERAGE																									
NOTES																									
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UTC:	SEP 23													SEP 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			
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S/C 31 INITIAL CONDITIONS RTLTL: 42h 46m 2s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 42h 46m 14s												0000 RTLTL 42h 46m 24s															
----- TLC (SHORT-FORM) -----																												
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE													2035 14 [D] 2135															
.....40.....											10.....																
.....60.....											40.....																
32 DSN COVERAGE													1435 43 [D] 1905															
.....40.....											40.....																
S/C 32 INITIAL CONDITIONS RTLTL: 35h 27m 48s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 35h 28m 0s												0000 RTLTL 35h 28m 10s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
VGR COVERAGE													ON CALL															
NOTES																												
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ISSUE DATE: 09/07/21 15:32

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S/C 31 INITIAL CONDITIONS RTLTL: 42h 46m 24s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	█ 1200 RTLTL 42h 46m 36s												█ 0000 RTLTL 42h 46m 48s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	40												2235-0620 14 [D] 10 1750 63 [D] 2255 40												
32 DSN COVERAGE	1210 43 [D] 1905 40												0045-0630 43 [B] 40												
S/C 32 INITIAL CONDITIONS RTLTL: 35h 28m 10s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	█ 1200 RTLTL 35h 28m 22s												█ 0000 RTLTL 35h 28m 32s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES																									
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ISSUE DATE: 09/07/21 15:32

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S/C 31 INITIAL CONDITIONS RTLT: 42h 46m 48s CCSL: A120 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 42h 47m 0s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p>..... 40 </p> <p>1425 ----- 63 [D] ----- 2240</p> <p> ----- 60 ----- </p>																										
32 DSN COVERAGE	<p>1250 ----- 34 [DA] ----- 1620</p> <p>1250 ----- 36 [DAR] ----- 1620</p> <p>..... 40 </p>																										
S/C 32 INITIAL CONDITIONS RTLT: 35h 28m 32s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 28m 42s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
VGR COVERAGE	ON CALL																										
NOTES																											
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