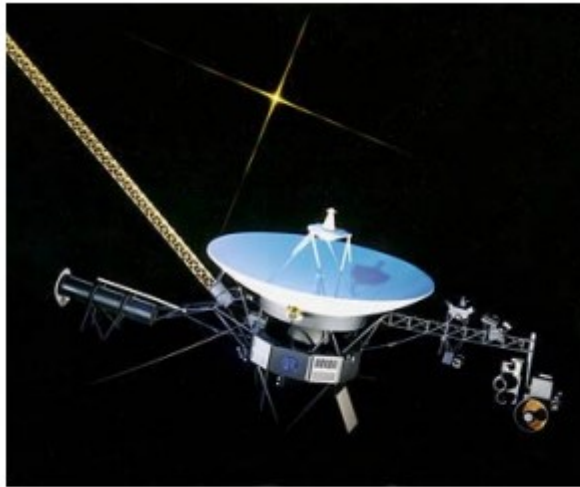


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: August 28, 2019

For the Period: 08/29/19 to 09/16/19 (19/241 – 19/259)



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

LEGEND:

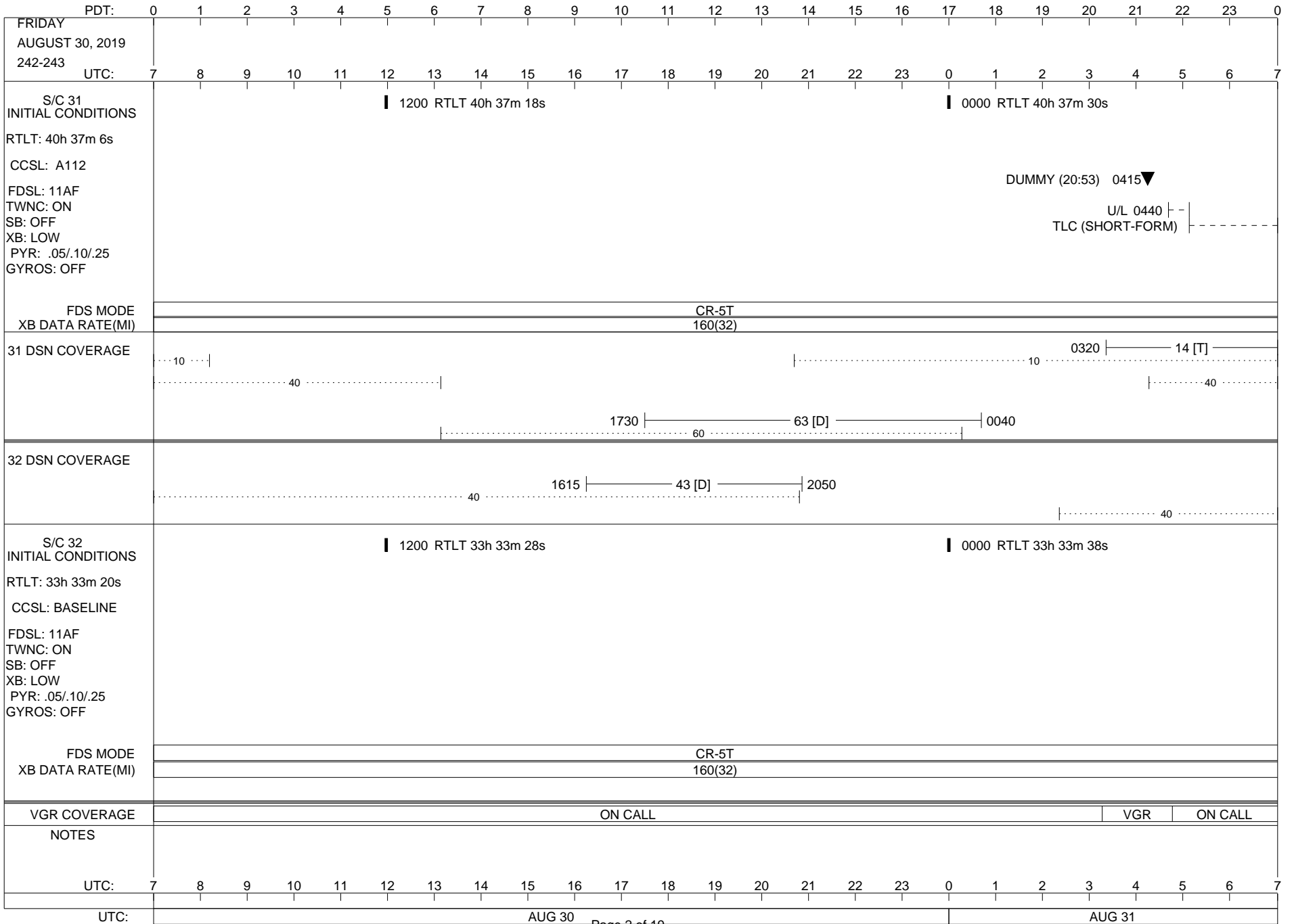
- ∇ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

02/27/19

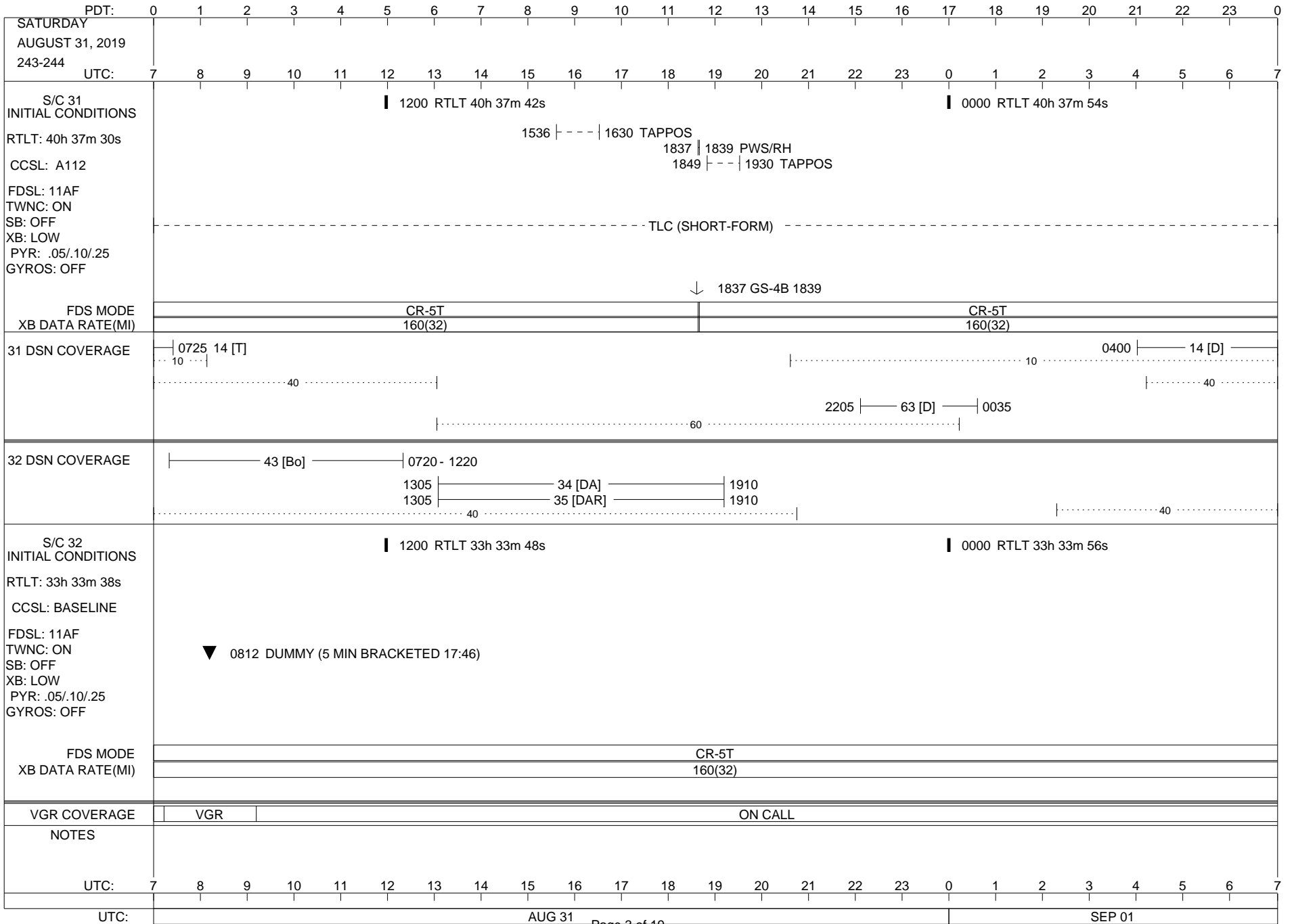
ISSUE DATE: 09/03/19 09:00

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THURSDAY AUGUST 29, 2019 241-242																												
S/C 31 INITIAL CONDITIONS RTLTL: 40h 36m 42s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 36m 54s 1235 ----- 1343 TAPPOS 1537 1539 PWS/RH 1549 --- 1643 TAPPOS ↓ 1537 GS-4B 1539														0000 RTLT 40h 37m 6s START A112C MINI-SEQUENCE 0226↓ BAY 1 HTR OFF 0244↓ X/B HI POWER 0248↓ PYR=.05/.05/.05 DB 0308↓ SSB ASCAL 0312 --- 0345 PYR=.05/.10/.25 DB 0345↓ X/B LOW POWER 0356↓ BAY 1 HTR ON 0400↓ END A112C MINI-SEQUENCE 0426↓ EL-40 0252↓ ↓ 0348 CR-5T													
FDS MODE XB DATA RATE(MI)	CR-5T							CR-5T							EL-40			CR-5T			CR-5T			CR-5T				
	160(32)							160(32)							40(30)			160(32)			160(32)			160(32)				
31 DSN COVERAGE	..... 10 .....| ..... 40 .....| ..... 60 .....|														0230 - 0615 |-----| 14 [D] -----| ..... 10 .....| ..... 40 .....|													
32 DSN COVERAGE	..... 40 .....|														..... 40 .....|													
S/C 32 INITIAL CONDITIONS RTLTL: 33h 33m 0s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 33m 10s														0000 RTLT 33h 33m 20s													
FDS MODE XB DATA RATE(MI)	CR-5T																											
	160(32)																											
VGR COVERAGE	ON CALL														VGR			ON CALL										
NOTES	[1] S/C 31=EL-40 @ 0252 XB=40(30) [2] S/C 31=CR-5T @ 0348 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:	AUG 29														AUG 30													

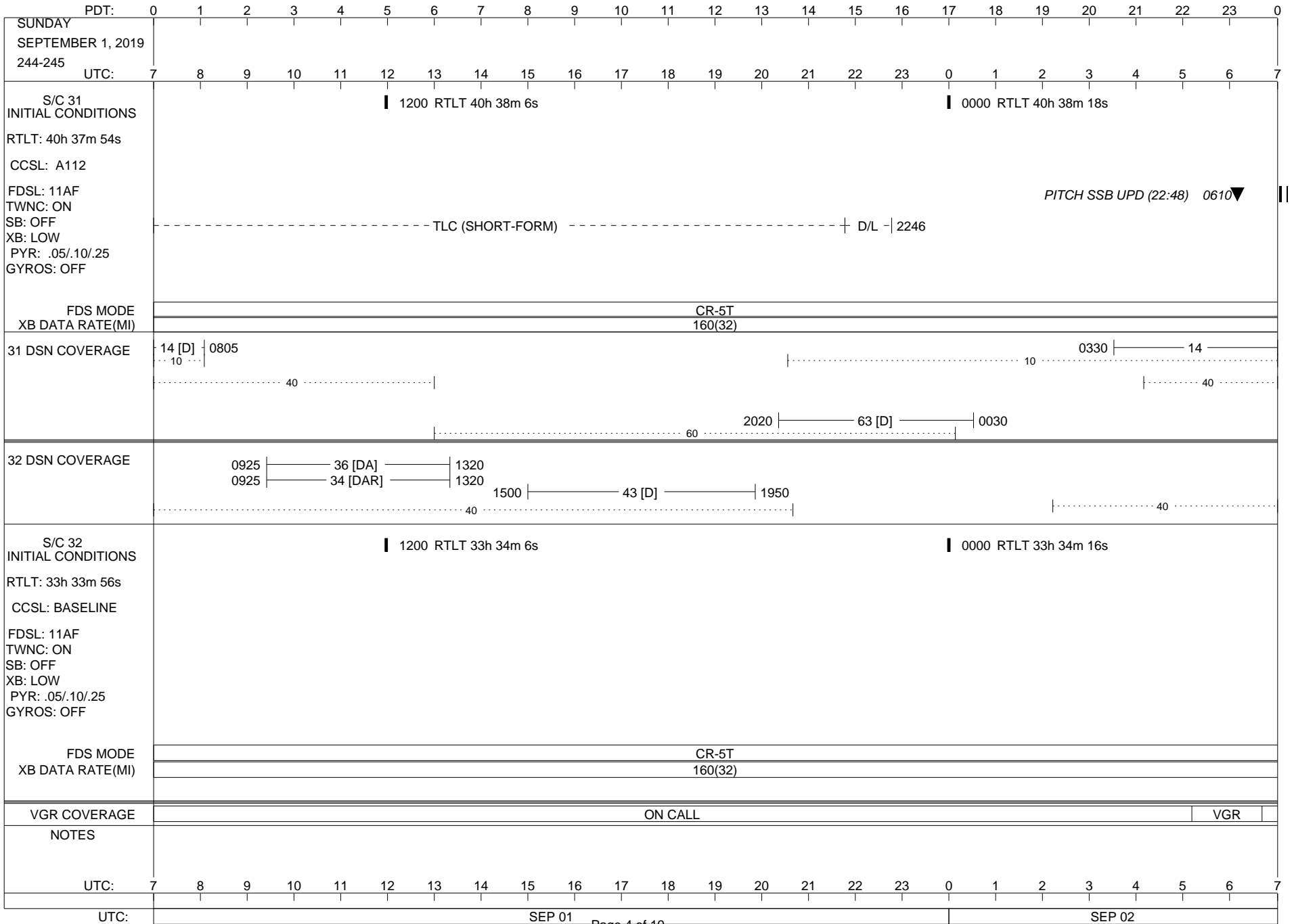
ISSUE DATE: 09/03/19 09:00



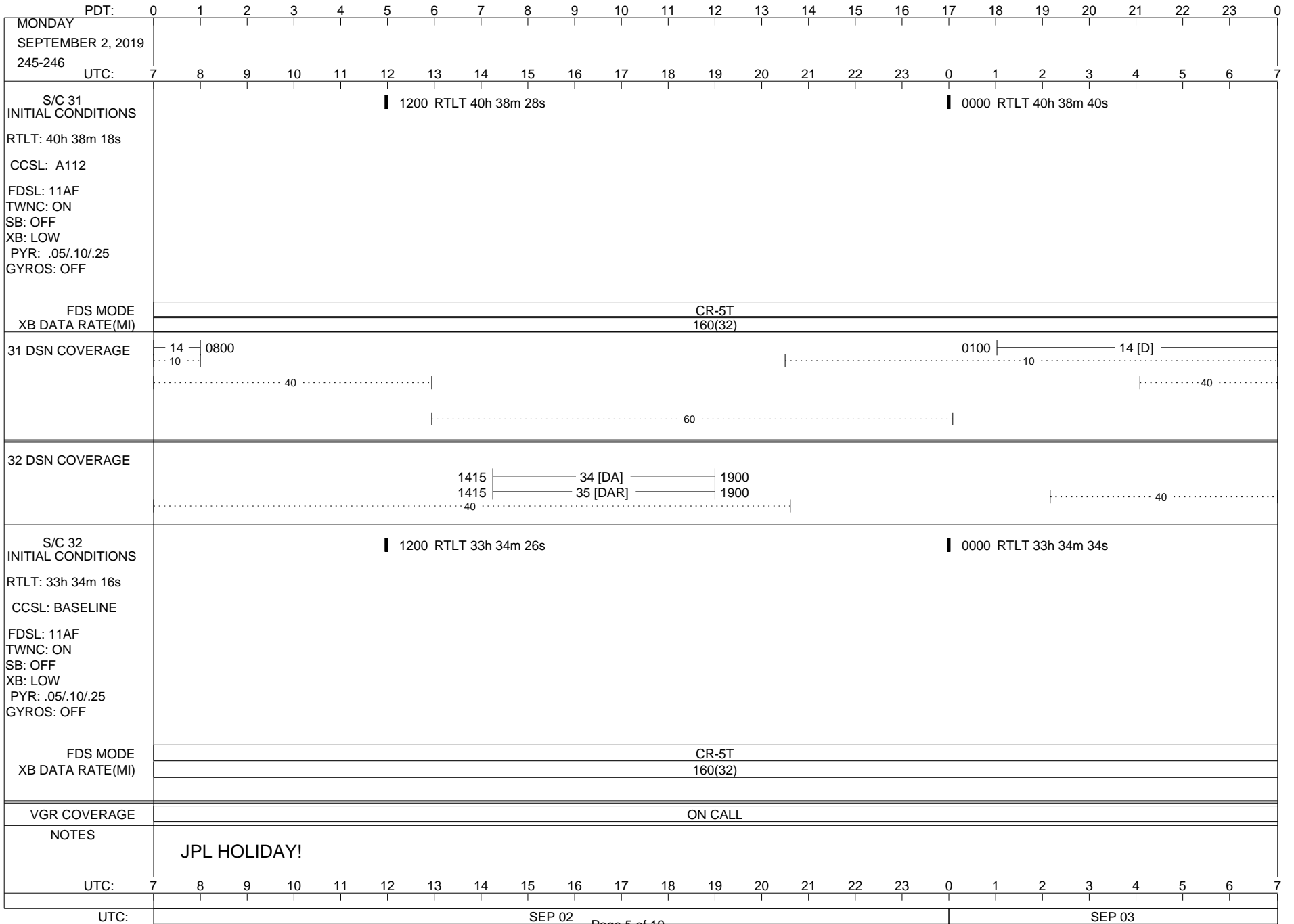
ISSUE DATE: 09/03/19 09:00



ISSUE DATE: 09/03/19 09:00



ISSUE DATE: 09/03/19 09:00



ISSUE DATE: 09/03/19 09:00

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TUESDAY SEPTEMBER 3, 2019 246-247	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: 40h 38m 40s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 38m 52s												0000 RTLT 40h 39m 4s												
0901 | 0902 PWS/RH													* 2249 PITCH SSB UPD												
↓ 0901 GS-4B 0902																									
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0755 14 [D]												10												
	40												40												
													2230 | 63 [D] | 0025												
													60												
32 DSN COVERAGE	1505 | 43 [D] | 2015												40												
	40												40												
S/C 32 INITIAL CONDITIONS RTLTL: 33h 34m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 34m 44s												0000 RTLT 33h 34m 54s												
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 03												SEP 04												

ISSUE DATE: 09/03/19 09:00

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

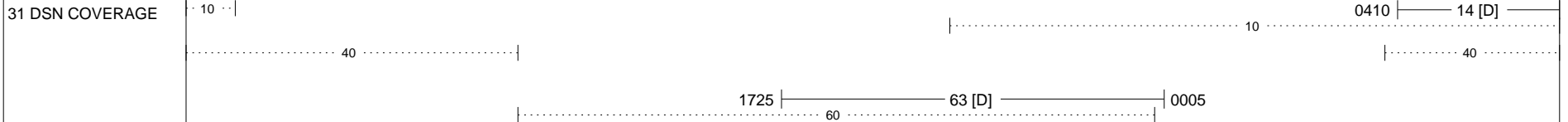
WEDNESDAY
SEPTEMBER 4, 2019
247-248

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
RTLTL: 40h 39m 4s
CCSL: A112
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 40h 39m 16s | 0000 RTLT 40h 39m 28s

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



S/C 32
INITIAL CONDITIONS
RTLTL: 33h 34m 54s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 33h 35m 4s | 0000 RTLT 33h 35m 14s

- ▼ 0800 DUMMY (17:35)
- ▼ 0812 FPGYRO CLEANUP & MRO (17:47)
- ▼ 0839 EL-40 (18:14)
- ▼ 0900 CCSL B185 (18:35)
- ▼ 0942 CCSTIM F/C (19:17)
- ▼ 1010 CR-5T (19:45)

FDS MODE CR-5T
XB DATA RATE(MI) 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 04 Page 7 of 19 SEP 05

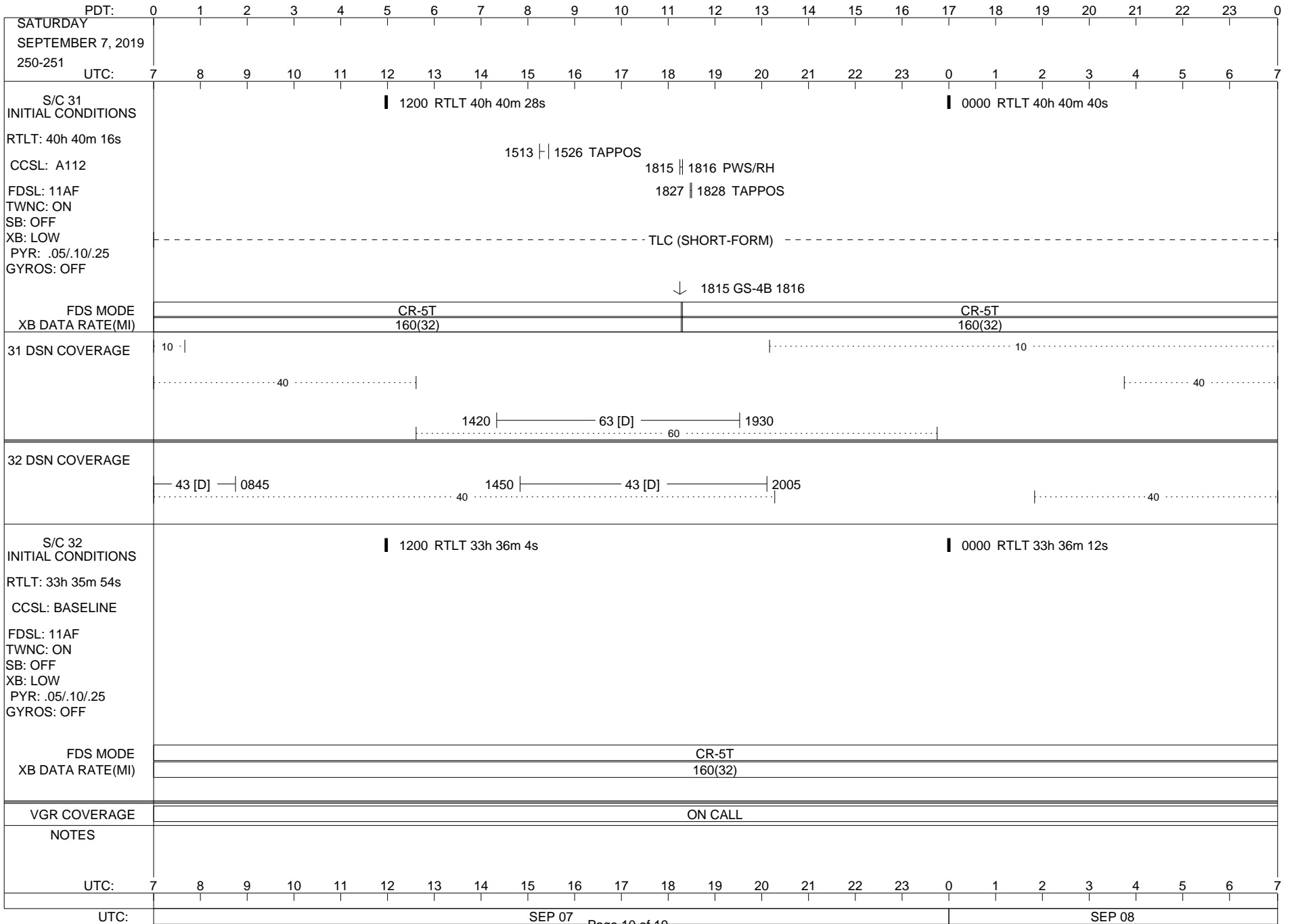
ISSUE DATE: 09/03/19 09:00

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THURSDAY SEPTEMBER 5, 2019 248-249																												
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: 40h 39m 28s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 39m 40s												0000 RTLTL 40h 39m 52s															
	1213 | - | 1239 TAPPOS												1514 | 1516 PWS/RH 1526 | | 1539 TAPPOS															
													↓ 1514 GS-4B 1516															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	0745 14 [D]												10															
	40												40															
	1500 | 63 [D] | 1900												60															
32 DSN COVERAGE	1020 | 43 [D] | 2020												40															
S/C 32 INITIAL CONDITIONS RTLTL: 33h 35m 14s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 35m 24s												0000 RTLTL 33h 35m 34s															
													* 1749 FPGYRO CLEANUP & MRO * 1845 | 1849 B185 CHKSUM * 1918 | 1925 CCSTIM FINE * 1936 | 1939 CCSTIM COARSE															
	EL-40 1815 ↓												* 1946 CR-5T															
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	[1] S/C 32=EL-40 @ 1815 XB=40(30) [2] S/C 32=CR-5T @ 1946 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 05														SEP 06													

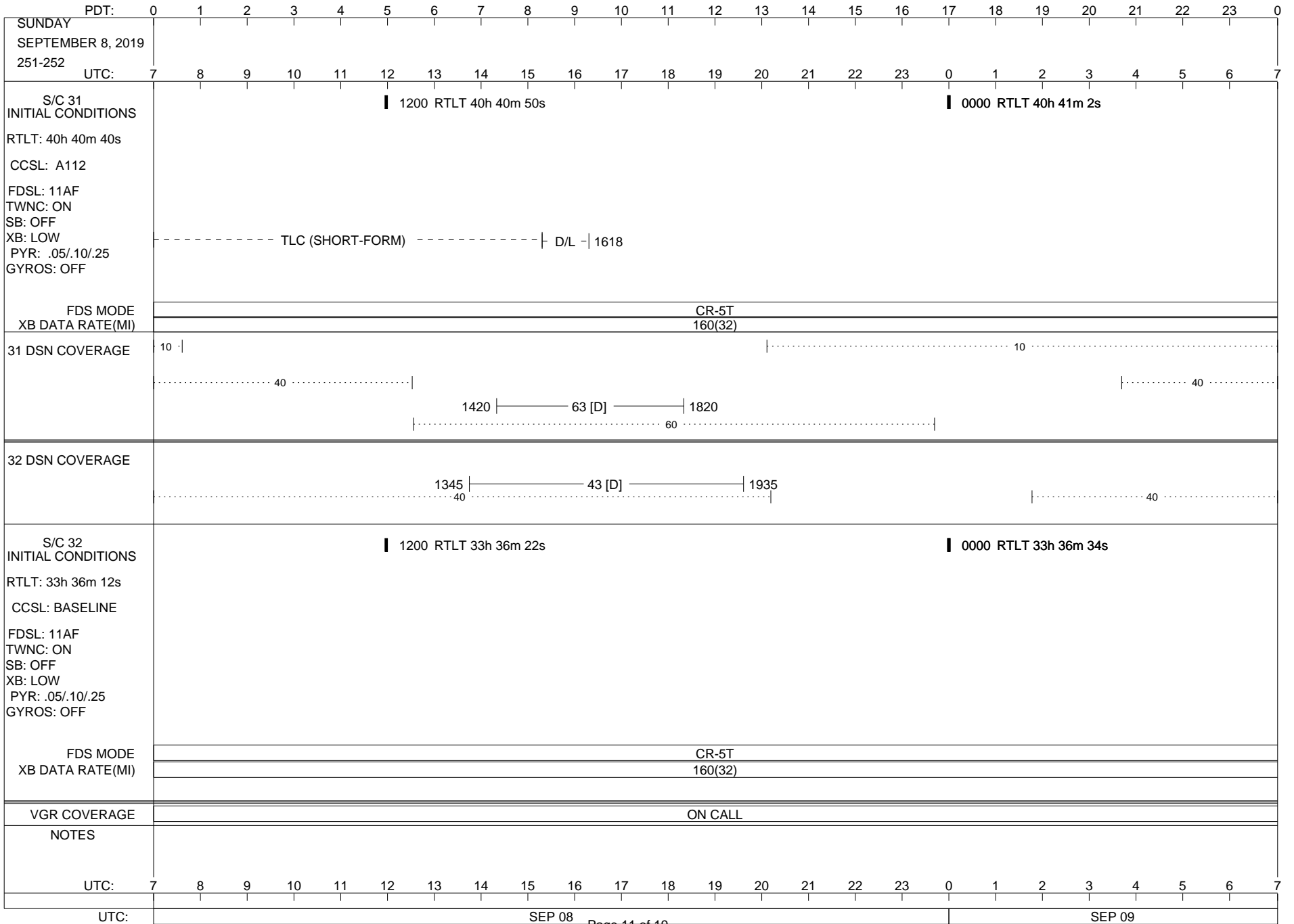
ISSUE DATE: 09/03/19 09:00

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, 2019 249-250																									
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S/C 31 INITIAL CONDITIONS RTLT: 40h 39m 52s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 40h 40m 4s												█ 0000 RTLT 40h 40m 16s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	| 10 |												| 10 |												
	..... 40 .....												..... 40											
	..... 60												2000 | 63 [T] | 0015											
32 DSN COVERAGE	| 43 [H1o] | 0705 - 0950												0430 | 43 [D] |												
	..... 40 .....												..... 40											
S/C 32 INITIAL CONDITIONS RTLT: 33h 35m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 33h 35m 44s												█ 0000 RTLT 33h 35m 54s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	[1] B185 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:	SEP 06												SEP 07												

ISSUE DATE: 09/03/19 09:00



ISSUE DATE: 09/03/19 09:00



ISSUE DATE: 09/03/19 09:00

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 9, 2019 252-253																									
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S/C 31 INITIAL CONDITIONS RTLTL: 40h 41m 2s CCSL: A112 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 |																								14 [D] 0635 |
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 33h 36m 34s 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: 09/03/19 09:00

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, 2019
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
RTLT: 40h 41m 26s
CCSL: A112
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 40h 41m 38s

0000 RTLT 40h 41m 50s

0054 |---- MAGCAL ----| 0356
0054 |----- PESCAL -----| 0414

PWS/RH 0503 | 0503

0503 GS-4B 0503 ↓

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

31 DSN COVERAGE

0735 14 [D]

0035 |----- 14 [D] -----| 0435

40

60

32 DSN COVERAGE

43 [Bo] |----- 1220

1645 |----- 43 [D] -----| 1930

40

40

S/C 32
INITIAL CONDITIONS
RTLT: 33h 36m 54s
CCSL: B185
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 33h 37m 4s

0000 RTLT 33h 37m 14s

▼ 0712 DUMMY (5 MIN BRACKETED 10:50)
| | 0743 - 0759 SHUNT POWER TEST

↓ 1036 PYR=.05/.05/.05
1040 | - | 1113 SSB ASCAL
↓ 1113 PYR=.05/.10/.25

1014 EL-40 ↓ ↓ 1116 CR-5T

FDS MODE	CR-5T	EL-40	CR-5T
XB DATA RATE(MI)	160(32)	40(30)	160(32)

VGR COVERAGE

VGR	ON CALL	VGR	ON CALL
-----	---------	-----	---------

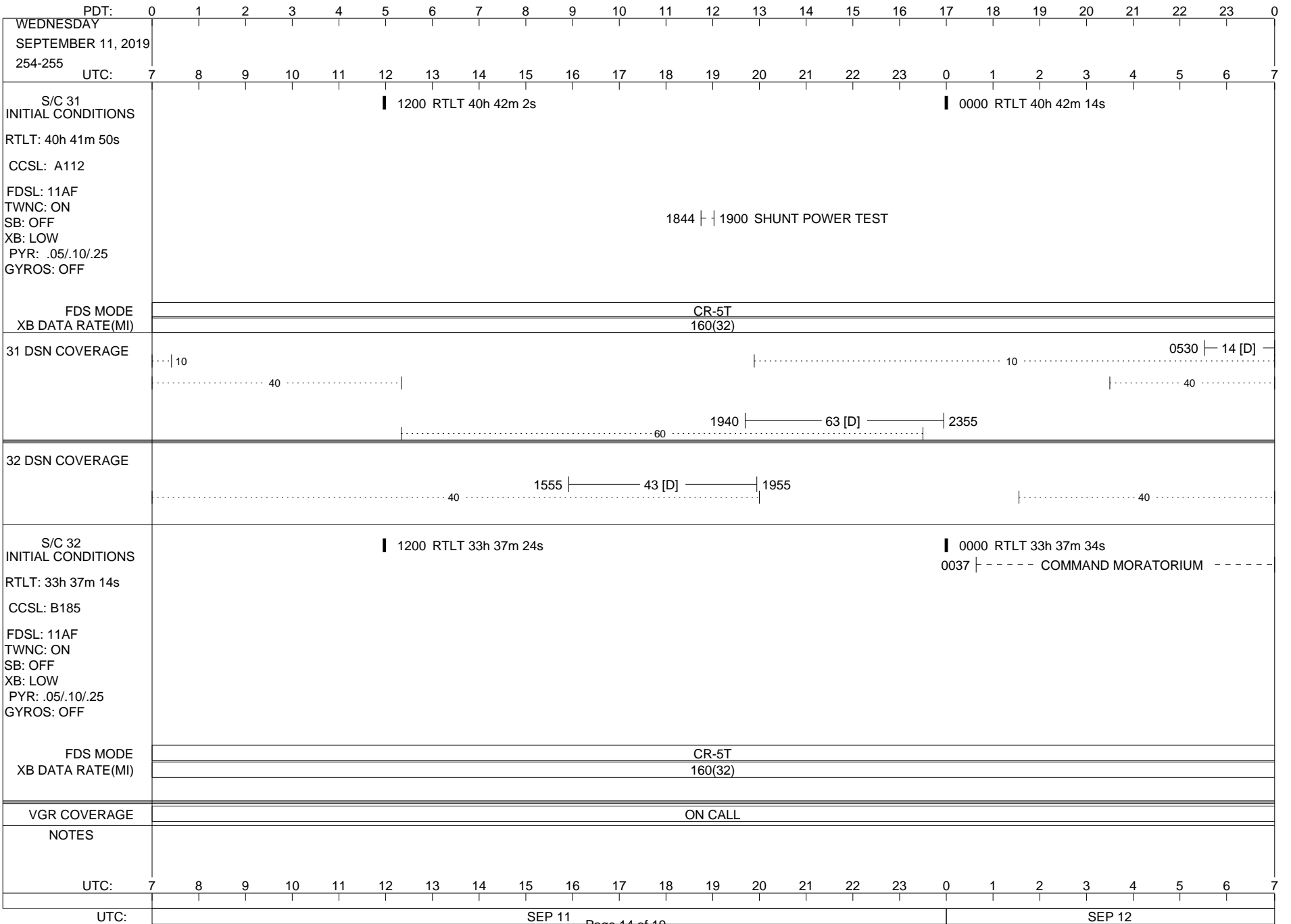
NOTES

[1] S/C 31=EL-40 @ 1014 XB=40(30)
[2] S/C 32=CR-5T @ 1116 XB=160(32)

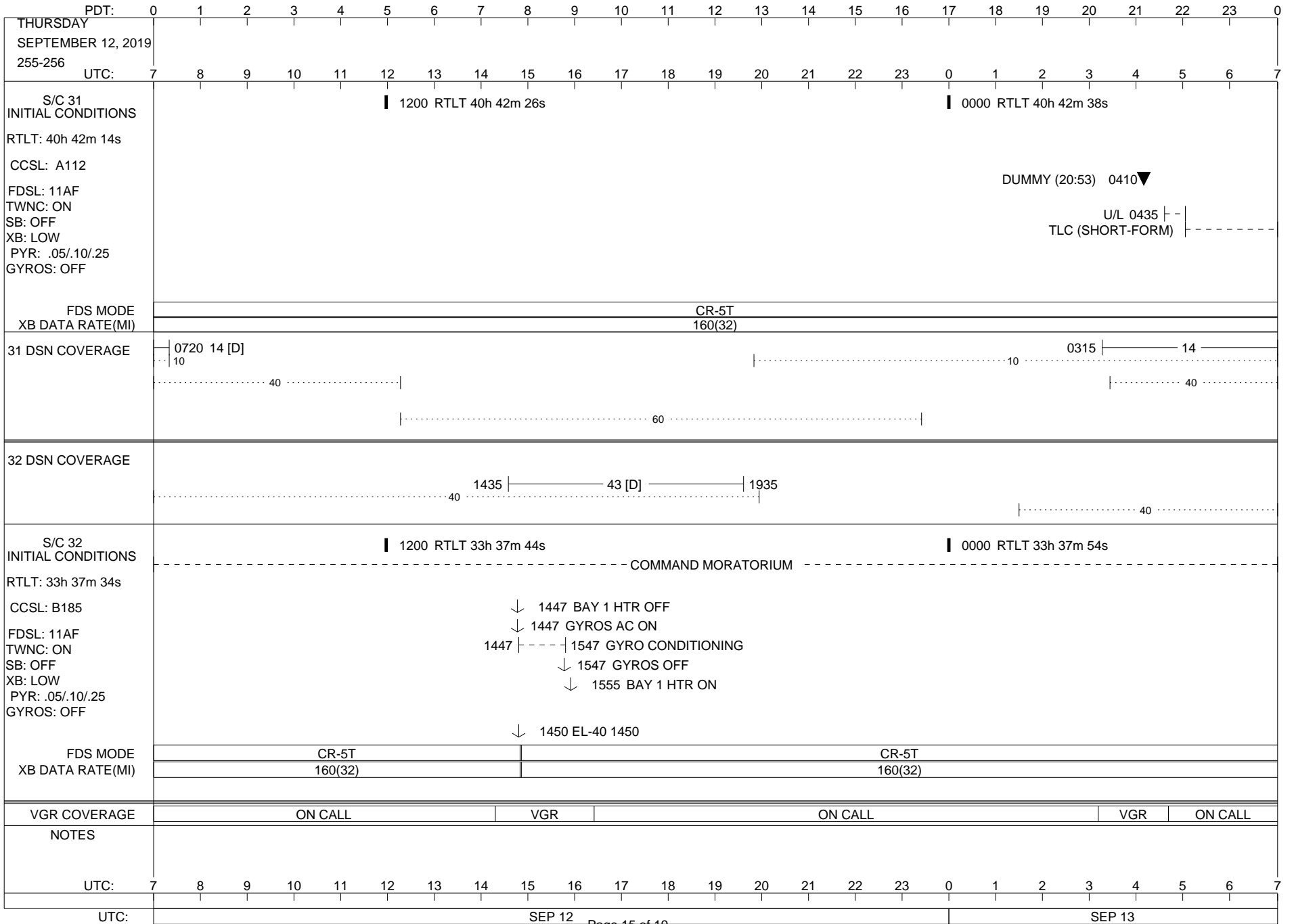
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UTC: SEP 10 SEP 11

ISSUE DATE: 09/03/19 09:00



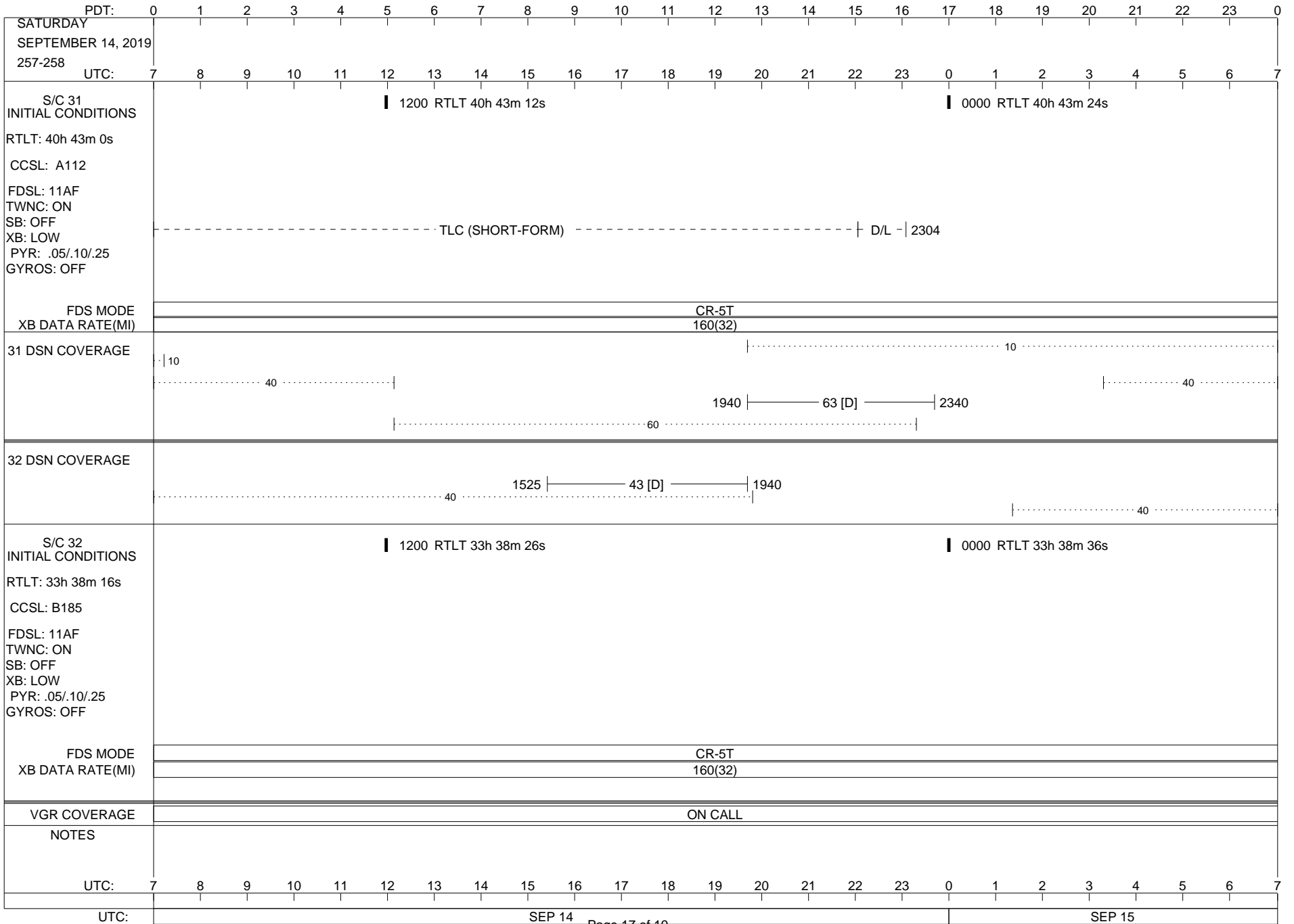
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ISSUE DATE: 09/03/19 09:00

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FRIDAY SEPTEMBER 13, 2019 256-257																													
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S/C 31 INITIAL CONDITIONS RTLTL: 40h 42m 38s CCSL: A112 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 40h 42m 50s														0000 RTLT 40h 43m 0s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE		0715 14 10														2230 14 [D] 0230 10													
32 DSN COVERAGE		0820 43 [DAR] 1220 0820 36 [DA] 1220														1715 1820 34 [DA] 1715 1820 35 [DAR] 40													
S/C 32 INITIAL CONDITIONS RTLTL: 33h 37m 54s CCSL: B185 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 33h 38m 4s														0000 RTLT 33h 38m 16s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														CR-5T 160(32)													
VGR COVERAGE		ON CALL							VGR							ON CALL													
NOTES		[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (1018-1052)																											
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: 09/03/19 09:00



ISSUE DATE: 09/03/19 09:00

