

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: September 12, 2018

For the Period: 09/13/18 to 10/01/18 (18/256 – 18/274)

DSN OPSCHIEF **230-102** **SCIENCE** **FLIGHT TEAM** **600-100**

DSOT	230-102	CRS bryant@mail630.gsfc.nasa.gov LECP r.decker@jhuapl.edu MAG u2mha@lepvax.gsfc.nasa.gov PLS vgr@space.mit.edu PWS wsk@space.physics.uiowa.edu Leonard.F.Burlaga@nasa.gov Donald-Gurnett@uiowa.edu	Dodd, S. Hall, J. Howard, S. Ko, A. Ledeboer, W. Ludwig, R. Matsumoto, S. Medina, E. Peralta, F. Weeks, T. Yang, L.
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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

Posted at http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html

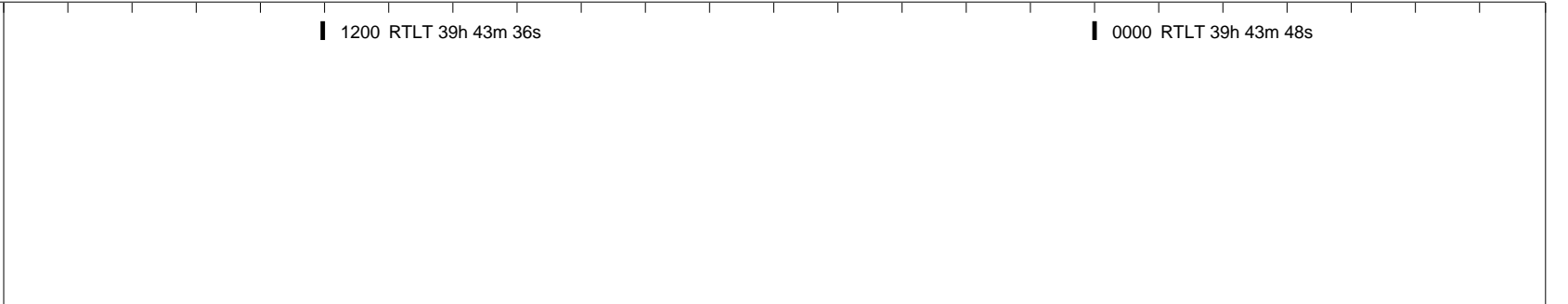
02/27/17

ISSUE DATE: 09/12/18 11:36

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THURSDAY
 SEPTEMBER 13, 2018
 256-257

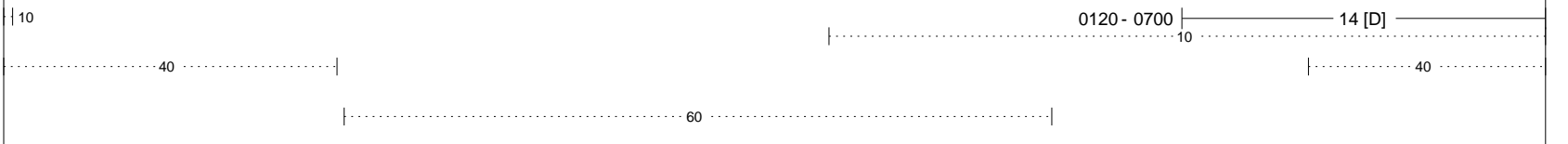
S/C 31
 INITIAL CONDITIONS
 RTLT: 39h 43m 24s
 CCSL: A108
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05/.10/.25
 GYROS: OFF



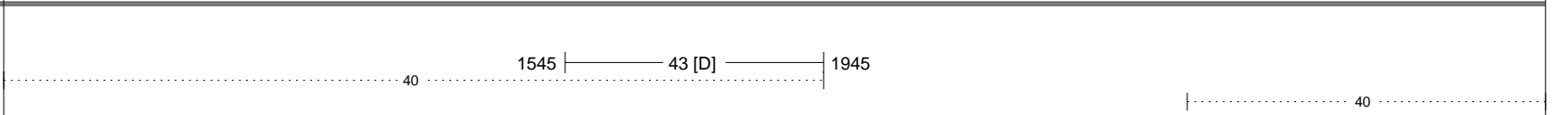
FDS MODE
 XB DATA RATE(MI)

CR-5T
 160(32)

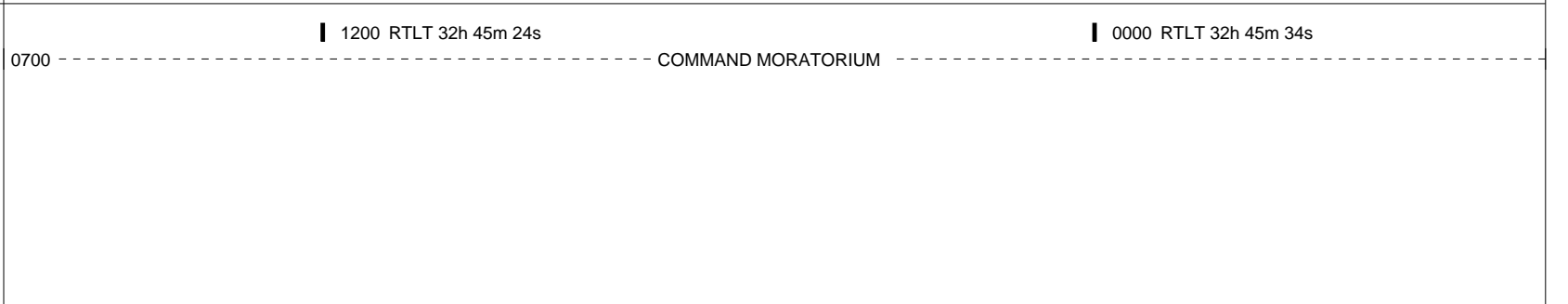
31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
 INITIAL CONDITIONS
 RTLT: 32h 45m 14s
 CCSL: B181
 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

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													SEP 14											

ISSUE DATE: 09/12/18 11:36

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FRIDAY SEPTEMBER 14, 2018 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 RTLTL: 39h 43m 48s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 44m 0s												0000 RTLT 39h 44m 12s												
	0809 | 0824 TAPPOS 1110 | 1112 PWS/RH 1122 | 1151 TAPPOS ↓ 1110 GS-4B 1112																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0700 14 [D] | 10 40												0300 - 0700 | 14 [D] | 10 40												
32 DSN COVERAGE	0830 | 36 [DAR] | 1155 0830 | 43 [DA] | 1200 40												1625 | 43 [D] | 1940 40												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 45m 34s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 45m 44s												0000 RTLT 32h 45m 56s												
	COMMAND MORATORIUM												2346												
	↓ 0832 GYROS BC ON ↓ 0832 BAY 1 HTR OFF ↓ 0833 GYRO INIT ↓ 0835 EL-40 0836 ↓ 0842 GYRO FAULT TEST ↓ 0932 AAI 0936 | - - - - | 1052 MAGROL ↓ 1047 RAI ↓ 1053 GYROS OFF ↓ 1053 CRU ↓ 1101 BAY 1 HTR ON																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	VGR												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1110 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32=D/L AGC VARIATIONS EXPECTED DURING MAGROL (0936-1052)																								
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 14												SEP 15												

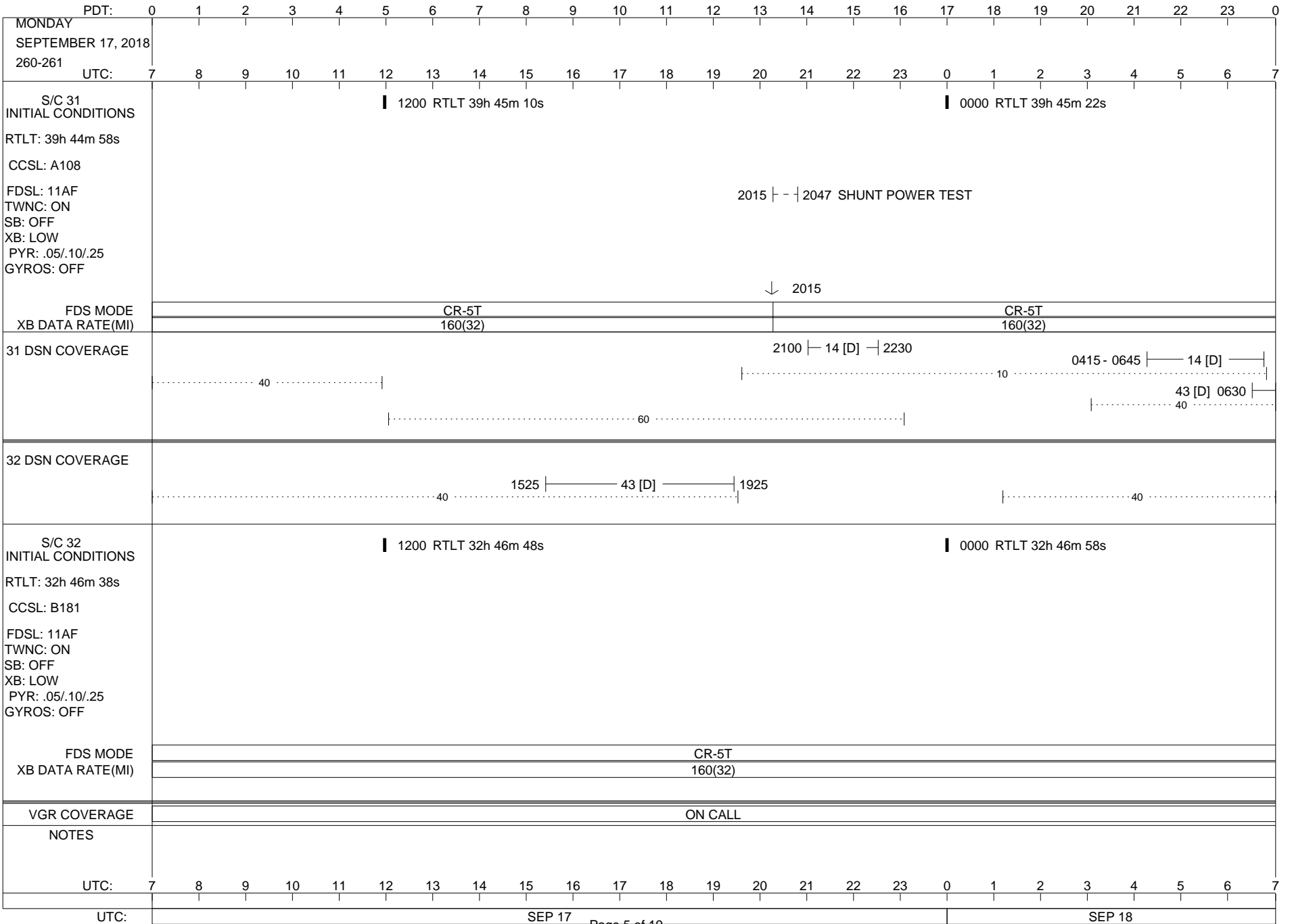
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SATURDAY SEPTEMBER 15, 2018 258-259																													
UTC: 7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7				
S/C 31 INITIAL CONDITIONS RTLT: 39h 44m 12s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		| 1200 RTLT 39h 44m 24s												| 0000 RTLT 39h 44m 36s															
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)															
31 DSN COVERAGE		0700 14 [D] 10														0210 |----- 14 [D] -----| 0600													
		..... 40 .....																..... 0545 |----- 43 [D] -----|											
														..... 60															
32 DSN COVERAGE														1520 |----- 43 [D] -----| 1935															
		..... 40 .....																..... 40											
S/C 32 INITIAL CONDITIONS RTLT: 32h 45m 56s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		| 1200 RTLT 32h 46m 6s												| 0000 RTLT 32h 46m 16s															
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				
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ISSUE DATE: 09/12/18 11:36

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SUNDAY SEPTEMBER 16, 2018 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 RTLTL: 39h 44m 36s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 39h 44m 46s												█ 0000 RTLTL 39h 44m 58s													
	1109 | - | 1138 TAPPOS												1411 | | 1413 PWS/RH													
													1423 | - - - | 1506 TAPPOS													
													↓ 1411 GS-4B 1413													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	| 0745 43 [D] 40												2335 | ..... 10 14 [D] 0345													
	| ..... 40												| ..... 40											
	| ..... 60												| ..... 60											
32 DSN COVERAGE	| ..... 40												1505 | ..... 43 [D] 1935												
	| ..... 40												| ..... 40											
S/C 32 INITIAL CONDITIONS RTLTL: 32h 46m 16s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 32h 46m 26s												█ 0000 RTLTL 32h 46m 38s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1411 XB=2.8K(41) NOT RECOVERABLE																									
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												

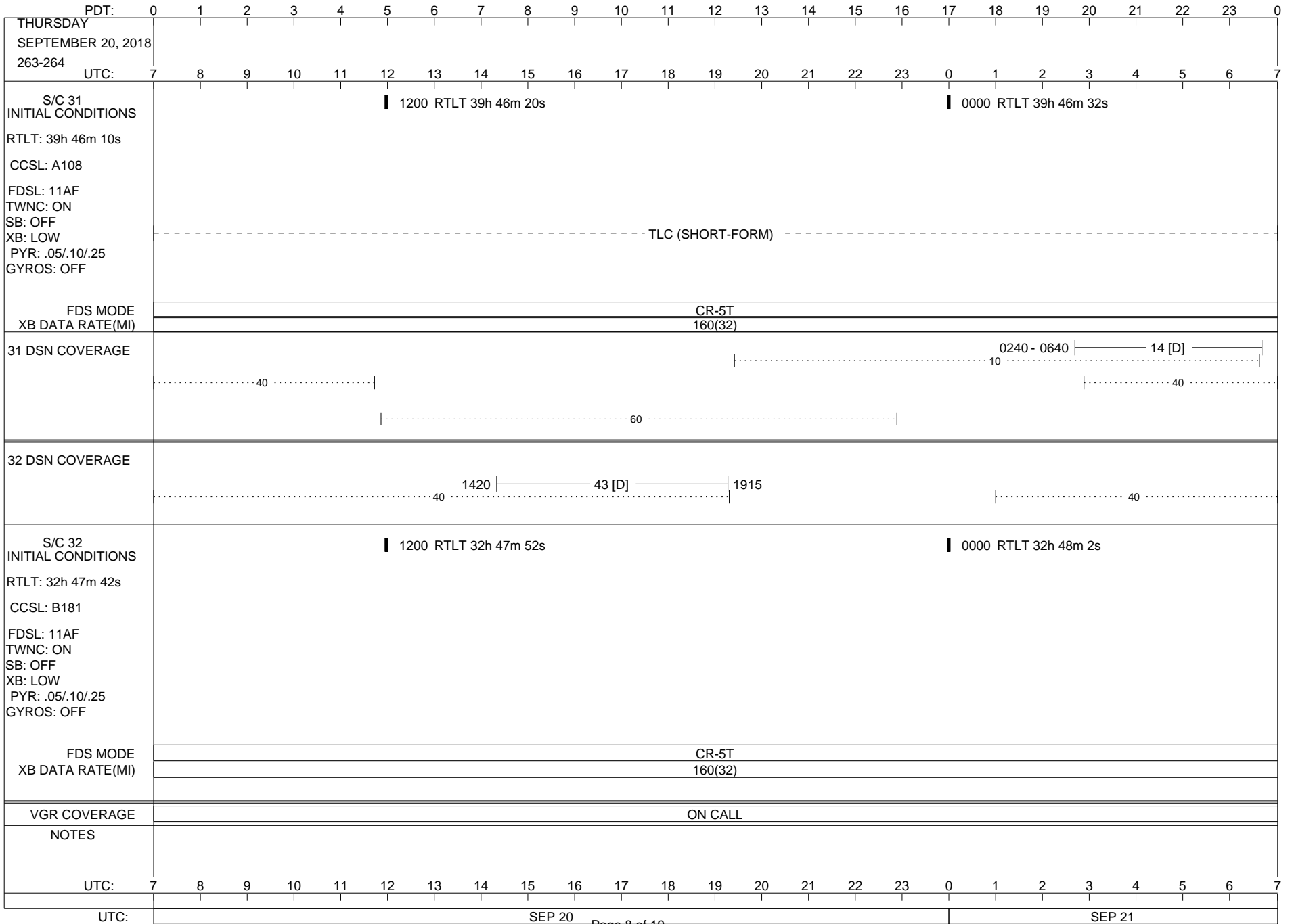
ISSUE DATE: 09/12/18 11:36

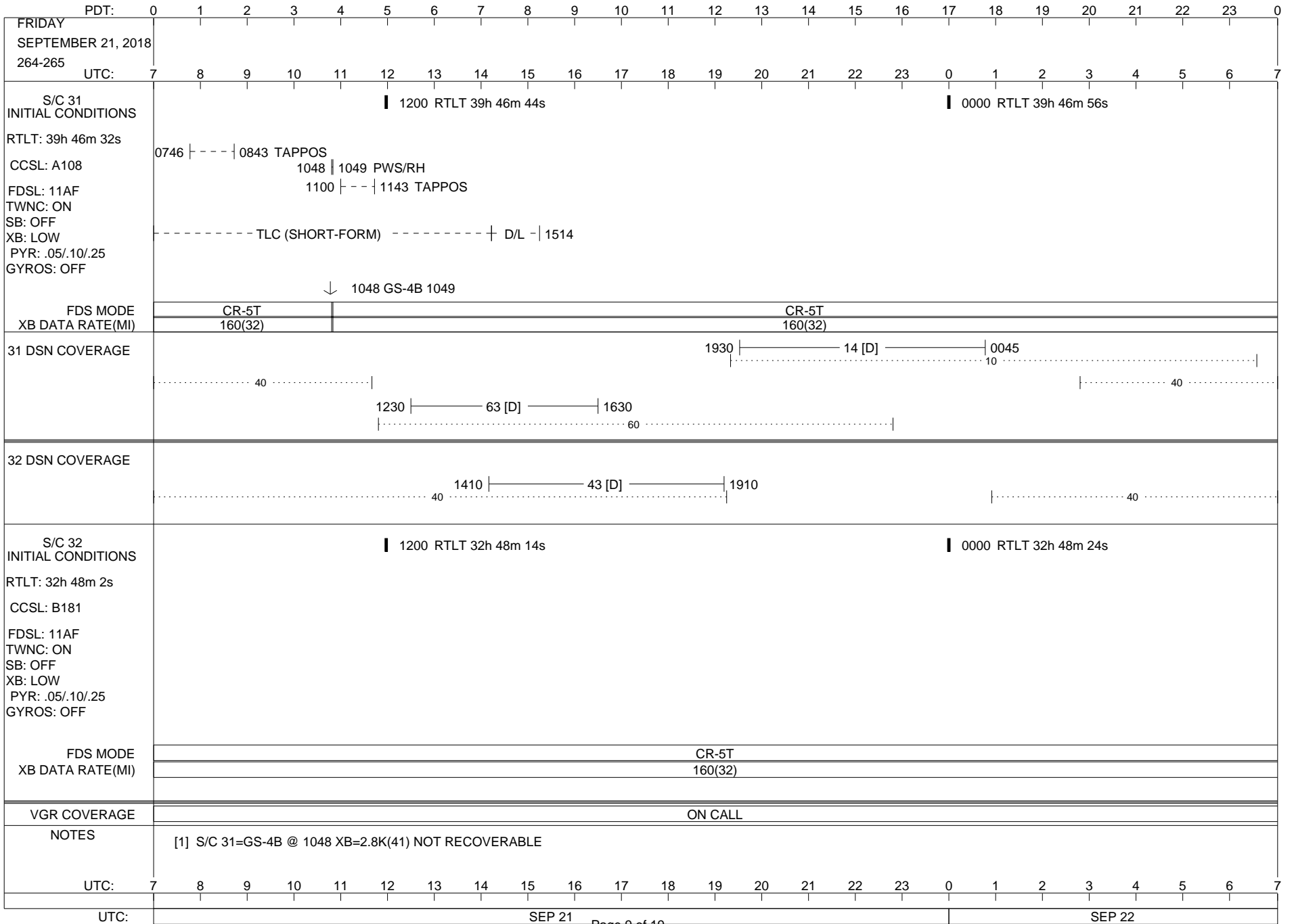


ISSUE DATE: 09/12/18 11:36

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WEDNESDAY SEPTEMBER 19, 2018 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 RTLT: 39h 45m 46s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 39h 45m 58s												█ 0000 RTLT 39h 46m 10s							
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 32h 47m 20s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 32h 47m 30s												█ 0000 RTLT 32h 47m 42s							
FDS MODE XB DATA RATE(MI)																									
VGR COVERAGE	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:																									

ISSUE DATE: 09/12/18 11:36





ISSUE DATE: 09/12/18 11:36

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 23, 2018 266-267	
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: 39h 47m 20s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 47m 30s 0000 RTLT 39h 47m 42s 1047 | - - | 1129 TAPPOS 1348 | 1350 PWS/RH 1400 | - | 1429 TAPPOS ↓ 1348 GS-4B 1350
	FDS MODE CR-5T CR-5T XB DATA RATE(MI) 160(32) 160(32)
31 DSN COVERAGE	43 [D] | 0815 40 60 10 14 [D] 0415 40
32 DSN COVERAGE	..... 40 1405 | ..... 43 [D] 1905 40
S/C 32 INITIAL CONDITIONS RTLT: 32h 48m 46s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 48m 56s 0000 RTLT 32h 49m 8s
	FDS MODE CR-5T XB DATA RATE(MI) 160(32)
VGR COVERAGE	ON CALL
NOTES	[1] S/C 31=GS-4B @ 1348 XB=2.8K(41) NOT RECOVERABLE
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 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	
MONDAY SEPTEMBER 24, 2018 267-268																										
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: 39h 47m 42s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 39h 47m 54s												█ 0000 RTLT 39h 48m 6s								
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	..... 40 .....												..... 2320 |----- 14 [D] -----| 0320 10											
	..... 60 .....												..... 40											
32 DSN COVERAGE	..... 40 .....												..... 1400 |----- 43 [D] -----| 1800 40											
S/C 32 INITIAL CONDITIONS RTLT: 32h 49m 8s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 32h 49m 18s												█ 0000 RTLT 32h 49m 30s								
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 24													SEP 25												

ISSUE DATE: 09/12/18 11:36

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 26, 2018
 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
 RTLT: 39h 48m 28s
 CCSL: A108
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05/.10/.25
 GYROS: OFF

1200 RTLT 39h 48m 40s

0000 RTLT 39h 48m 52s

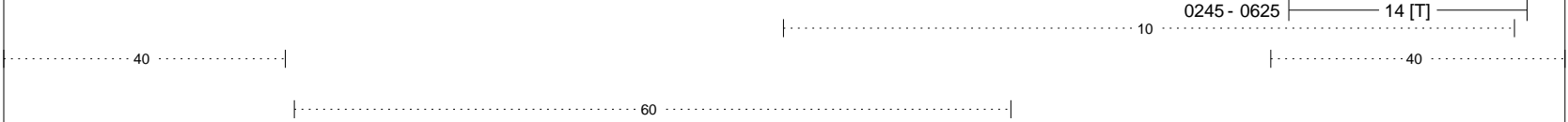
0335 DUMMY (19:24)

U/L 0400 | - |
TLC (SHORT-FORM) | - - - - -

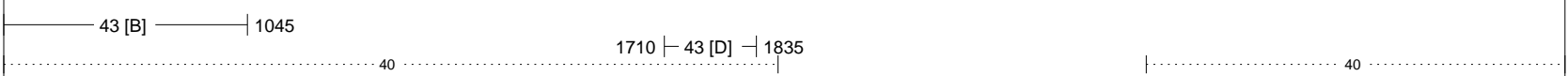
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
 INITIAL CONDITIONS
 RTLT: 32h 49m 52s
 CCSL: B181
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05/.10/.25
 GYROS: OFF

1200 RTLT 32h 50m 2s

0000 RTLT 32h 50m 14s

0702 DUMMY (5 MIN BRACKETED 15:53)

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

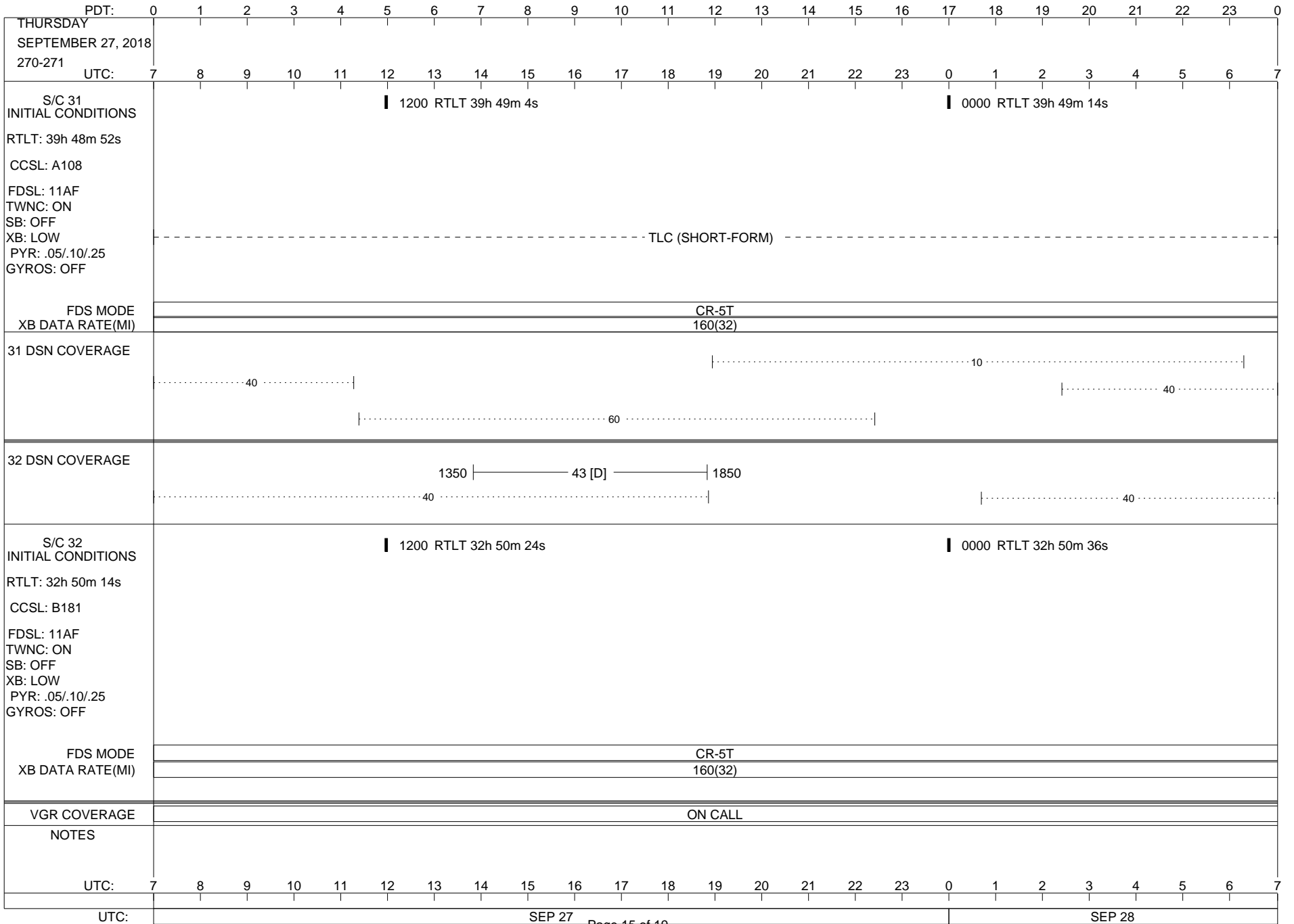
VGR ON CALL VGR ON CALL

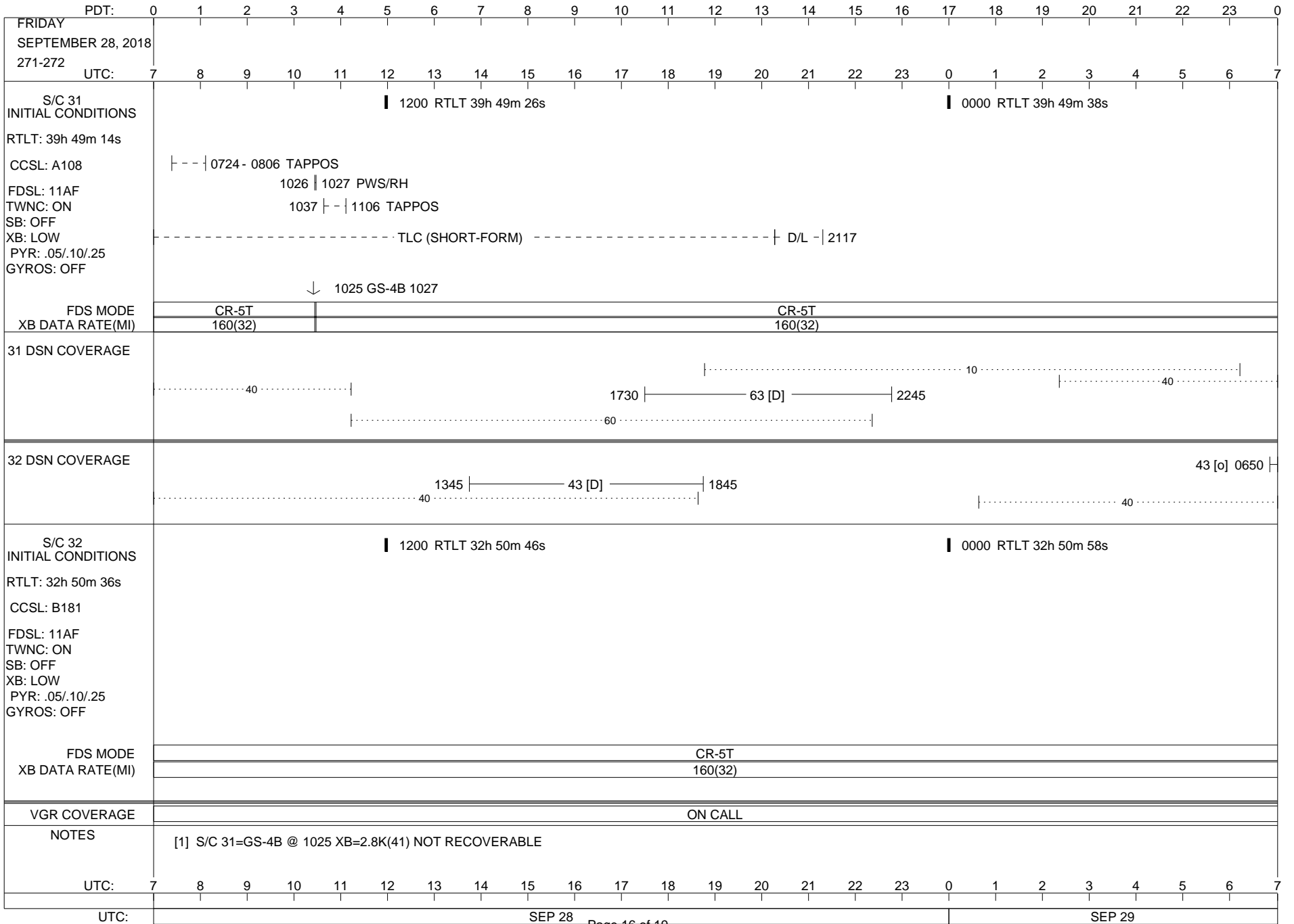
NOTES

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UTC: SEP 26 SEP 27

ISSUE DATE: 09/12/18 11:36

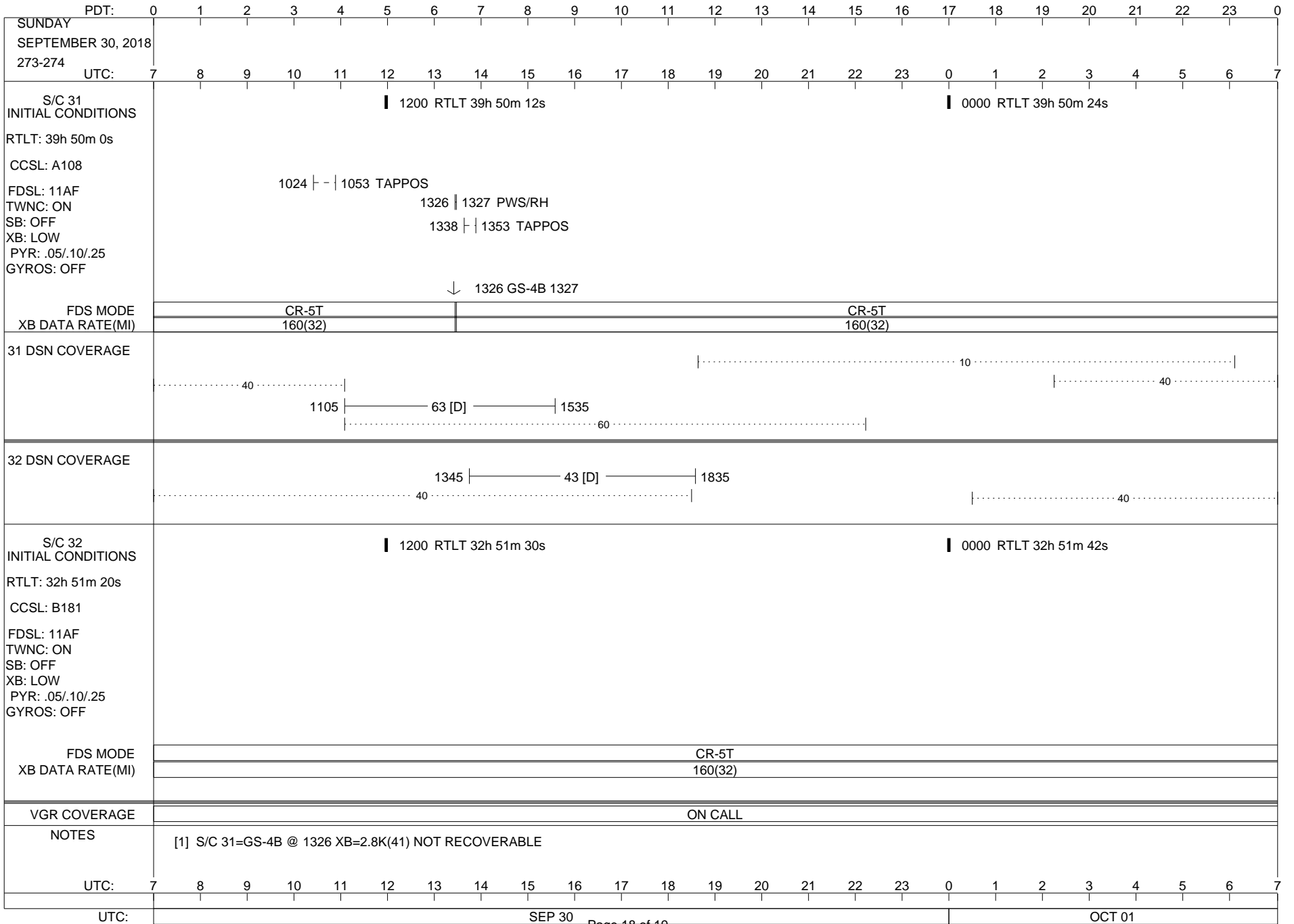




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SATURDAY SEPTEMBER 29, 2018 272-273																														
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7					
S/C 31 INITIAL CONDITIONS RTLT: 39h 49m 38s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 39h 49m 48s												█ 0000 RTLT 39h 50m 0s												
FDS MODE														CR-5T																
XB DATA RATE(MI)														160(32)																
31 DSN COVERAGE														10.....|															
40.....																	40.....|											
					60.....|																								
32 DSN COVERAGE	-----43 [o]-----|1050																													
	.....40.....|													1525-----43 [D]-----|1840	.....40.....|															
S/C 32 INITIAL CONDITIONS RTLT: 32h 50m 58s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 32h 51m 8s												█ 0000 RTLT 32h 51m 20s												
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 29													SEP 30																

ISSUE DATE: 09/12/18 11:36



ISSUE DATE: 09/12/18 11:36

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 1, 2018 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: 39h 50m 24s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 39h 50m 34s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p style="text-align: center;">.....40.....|</p> <p style="text-align: center;">1105 |----- 63 -----| 1735</p> <p style="text-align: center;">|-----60-----|</p>																										
32 DSN COVERAGE	<p style="text-align: center;">.....40.....|</p> <p style="text-align: center;">1430 |----- 43 [D] -----| 1830</p> <p style="text-align: center;">|-----60-----|</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 32h 51m 42s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 51m 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:	OCT 01													OCT 02													