

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: September 16, 2015

For the Period: 09/17/15 to 10/05/15 (15-260 – 15-278)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

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 PLS *vgr@space.mit.edu
 PWS *wsk@space.physics.uiowa.edu
 *Leonard.F.Burlaga@nasa.gov
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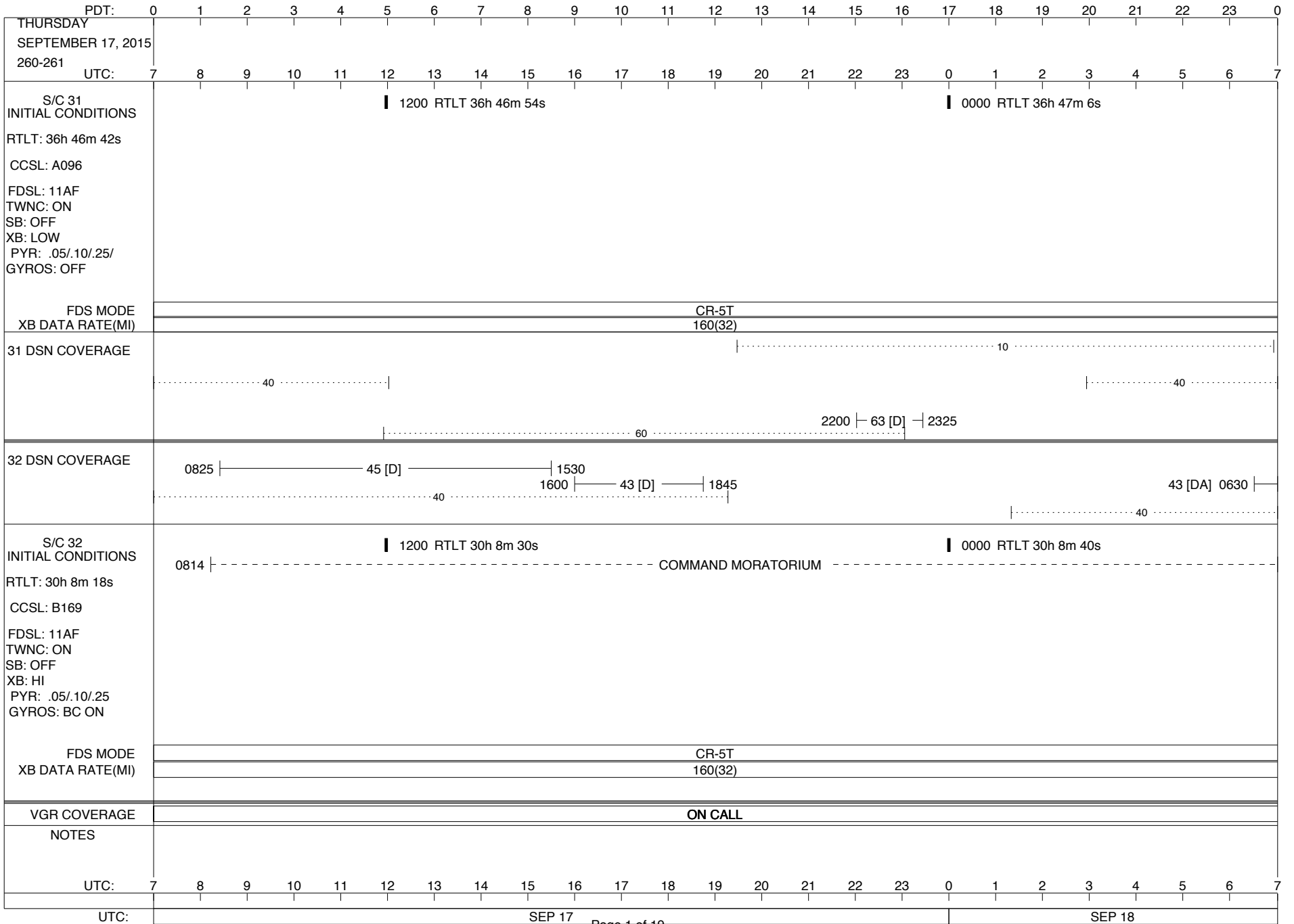
FLIGHT TEAM (14) 600-100

Dodd, S.
 Hall, J.
 Howard, S. (3)
 Ludwig, R. (2)
 Matsumoto, S.
 Medina
 Peralta, F.
 Weeks, T.
 Wong, R.
 Yang, L.
 Zottarelli, L.
 *odivers@san.rr.com

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

*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10

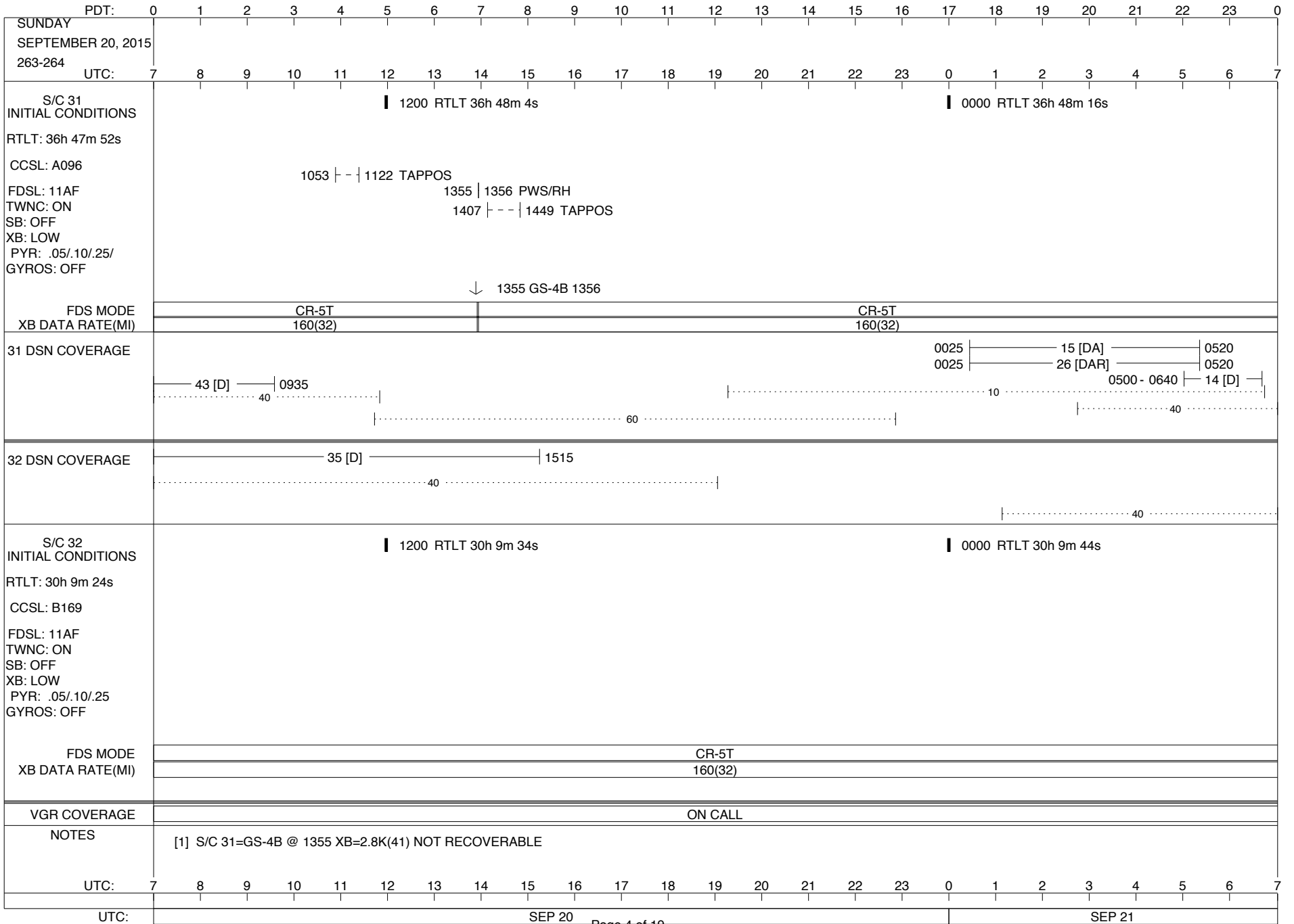
ISSUE DATE: 09/22/15 12:19



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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: 36h 47m 6s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 36h 47m 18s												0000 RTLT 36h 47m 30s												
	0753 | 0808 TAPPOS												1054 | 1056 PWS/RH 1106 | 1135 TAPPOS												
	↓ 1054 GS-4B 1056																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	40												10												
	1150 | 63 [D] | 1645												0255 | 43 [D] | 40												
32 DSN COVERAGE	43 [DA] | 1810												0500 | 34 [o]												
	34 [DAR] | 0720 - 1450												40												
S/C 32 INITIAL CONDITIONS RTLT: 30h 8m 40s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 30h 8m 50s												0000 RTLT 30h 9m 2s												
	----- COMMAND MORATORIUM -----																								
	↓ 0754 AAI																								
	0757 | ----- MAGROL ----- | 1352																								
	↓ 1345 RAI																								
	↓ 1352 GYROS OFF																								
	↓ 1352 CRU																								
	↓ 1355 X/B LOW POWER																								
	↓ 1359 BAY 1 HTR ON																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	VGR												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1054 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32=D/L AGC VARIATIONS EXPECTED DURING MAGROL (0757-1352)																								
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												

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SATURDAY SEPTEMBER 19, 2015 262-263																									
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S/C 31 INITIAL CONDITIONS RTLT: 36h 47m 30s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█ 1200 RTLT 36h 47m 42s												█ 0000 RTLT 36h 47m 52s							
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 30h 9m 2s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█ 1200 RTLT 30h 9m 12s												█ 0000 RTLT 30h 9m 24s							
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 19													SEP 20											

ISSUE DATE: 09/22/15 12:19



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 21, 2015 264-265																										
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S/C 31 INITIAL CONDITIONS RTLTL: 36h 48m 16s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 36h 48m 28s												0000 RTLT 36h 48m 40s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
31 DSN COVERAGE													0120 |----- 24 [DA] -----| 0520 0120 |----- 25 [DAR] -----| 0520 10 40 60 40													
32 DSN COVERAGE	0900 |----- 34 [o] -----| 1515 1635 | 34 [DA] | 1810 1635 | 45 [DAR] | 1810 40												0105 |----- 43 [o] -----| 0510 40													
S/C 32 INITIAL CONDITIONS RTLTL: 30h 9m 44s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 9m 56s												0000 RTLT 30h 10m 6s													
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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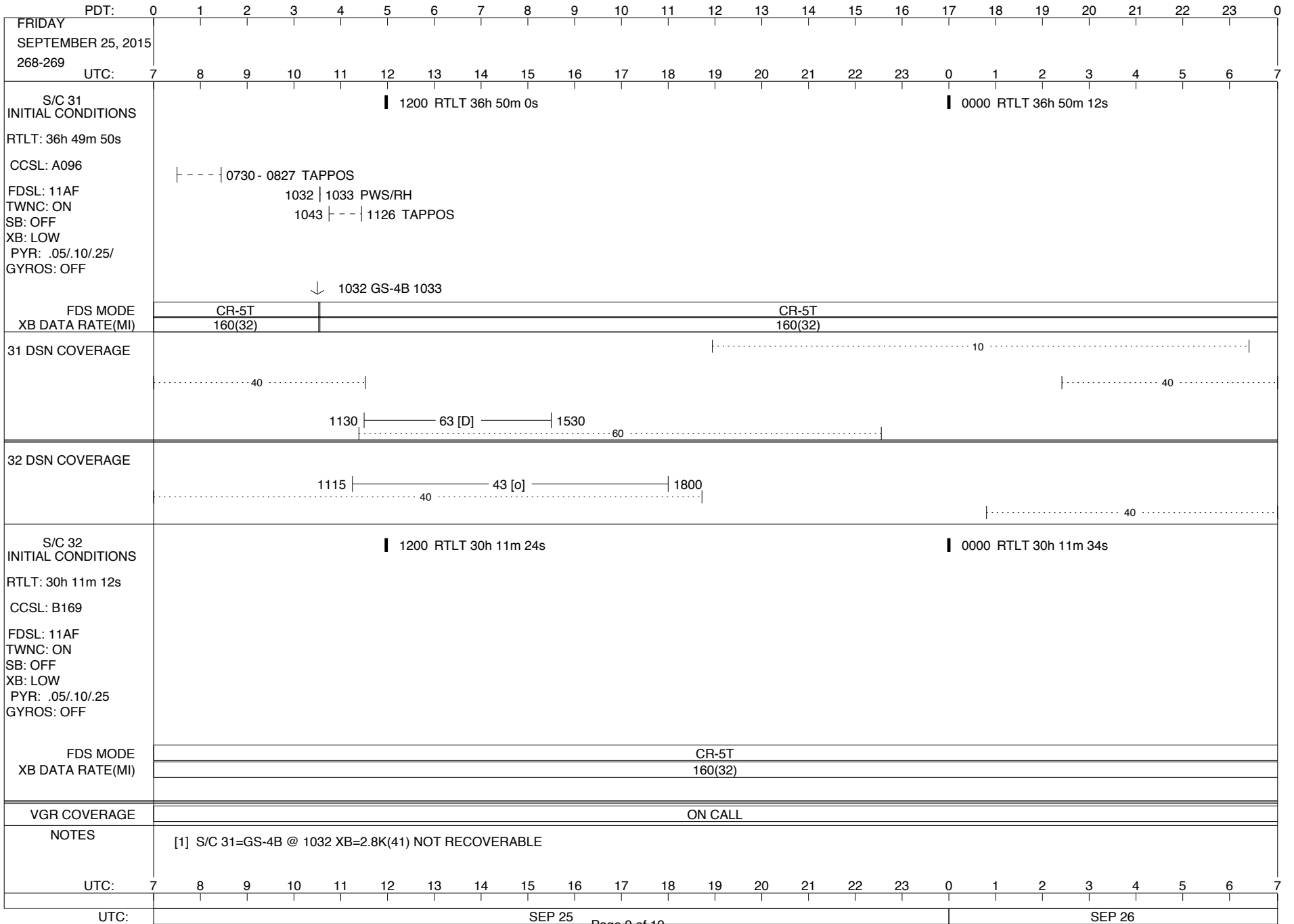
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TUESDAY SEPTEMBER 22, 2015 265-266																										
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S/C 31 INITIAL CONDITIONS RTLT: 36h 48m 40s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 36h 48m 52s												0000 RTLT 36h 49m 2s													
FDS MODE	CR-5T						EL-40						CR-5T						CR-5T							
XB DATA RATE(MI)	160(32)						40(30)						160(32)						160(32)							
31 DSN COVERAGE	40 ..... | 1235 |----- 63 [T] -----| 1605 ..... | 60												0115 |----- 15 [DA] -----| 0515 0115 |----- 24 [DAR] -----| 0515 ..... | 10													
32 DSN COVERAGE	..... 40 ..... | 1540 |----- 43 [D] -----| 1800 ..... | 40												0515 |----- 35 [D] -----|													
S/C 32 INITIAL CONDITIONS RTLT: 30h 10m 6s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 10m 18s												0000 RTLT 30h 10m 28s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
VGR COVERAGE	ON CALL						VGR						ON CALL													
NOTES	[1] S/C 31=EL-40 @ 1408 XB=40(30) [2] S/C 31=CR-5T @ 1508 XB=160(32) [3] S/C 31=GS-4B @ 0418 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 22												SEP 23													

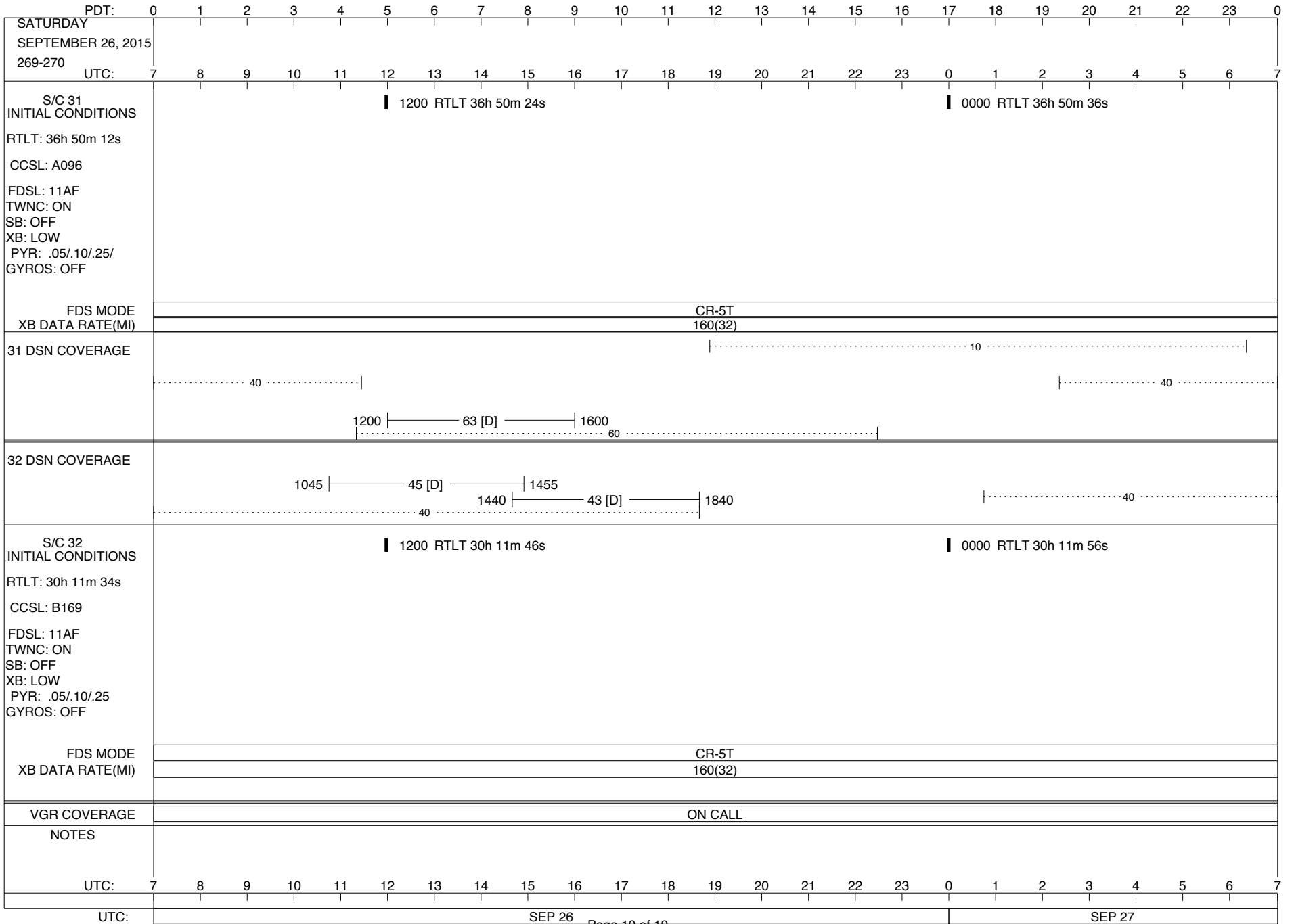
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WEDNESDAY SEPTEMBER 23, 2015 266-267																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 36h 49m 2s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25/ GYROS: OFF	| 1200 RTLTL 36h 49m 14s												| 0000 RTLTL 36h 49m 26s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE													0105 |-----| 24 [DA] |-----| 0510 0105 |-----| 26 [DAR] |-----| 0510 .....10..... .....40..... |-----| .....40..... .....60.....												
32 DSN COVERAGE	35 [D] |-----| 0945 1145 |-----| 45 [D] |-----| 1455 1550 |-----| 43 [B] |-----| 1850 .....40..... |-----| .....40.....												34 [o] 0645 |-----|												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 10m 28s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25/ GYROS: OFF	| 1200 RTLTL 30h 10m 40s												| 0000 RTLTL 30h 10m 50s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	-- 0736 PLSCAL --MAGCAL - 0856 --PESCAL -- 0913 ▼ 1652 DUMMY (5 MIN BRACKETED 23:03)																								
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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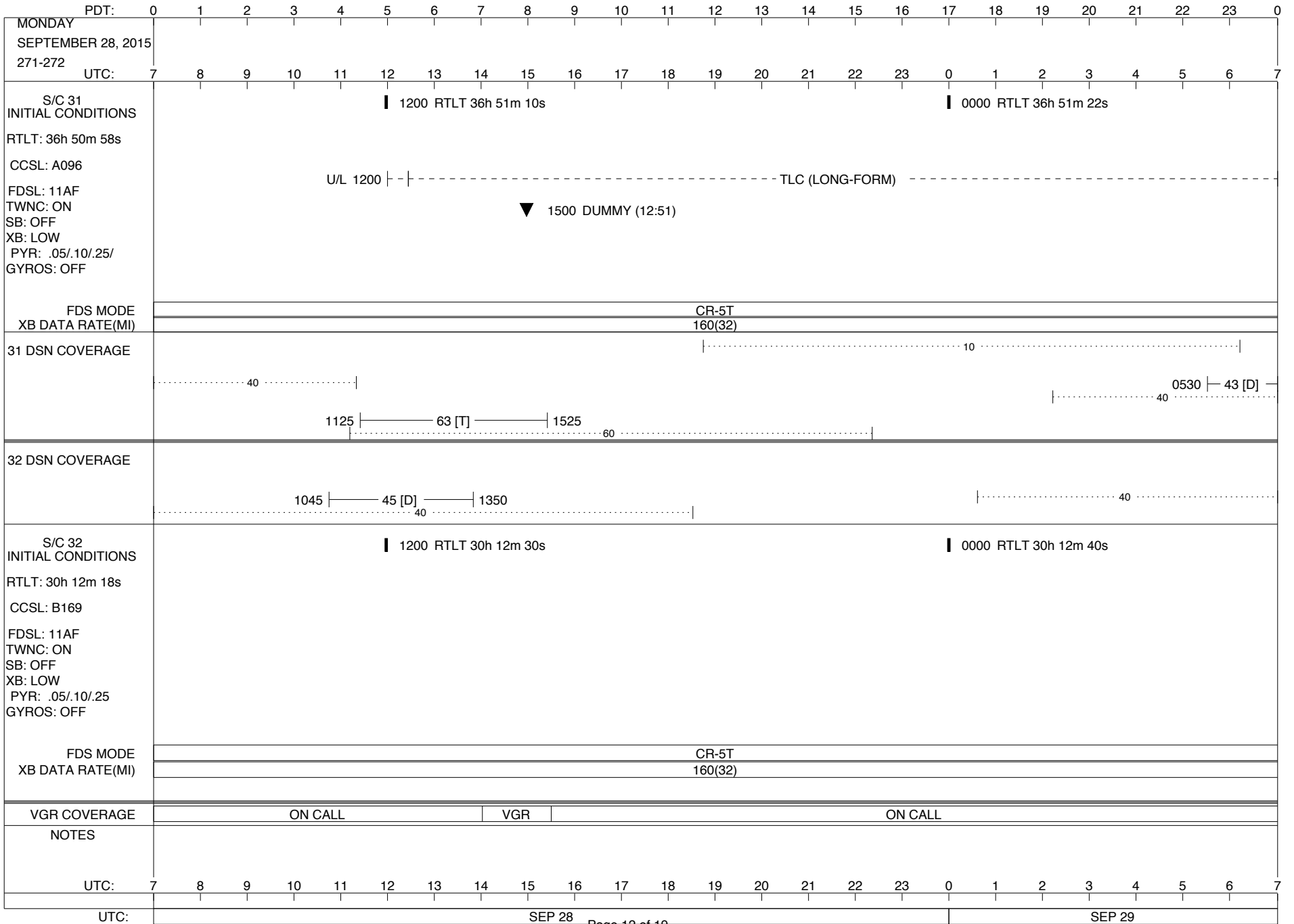
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S/C 31 INITIAL CONDITIONS RTLT: 36h 49m 26s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█ 1200 RTLT 36h 49m 38s															█ 0000 RTLT 36h 49m 50s							
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE														1900	14 [D]	2130												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLT: 30h 10m 50s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█ 1200 RTLT 30h 11m 2s																█ 0000 RTLT 30h 11m 12s						
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: 09/22/15 12:19

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SUNDAY SEPTEMBER 27, 2015 270-271																										
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: 36h 50m 36s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	| 1200 RTLTL 36h 50m 46s												| 0000 RTLTL 36h 50m 58s													
	1030 | - - | 1113 TAPPOS												1332 | 1334 PWS/RH													
													1344 | - | 1413 TAPPOS													
													↓ 1332 GS-4B 1334													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE													2025 |-----| 14 [D] |-----| 0025													
	.....| 40 |-----|												.....| 10 |-----| 40 |-----|													
	|-----| 60 |-----|																									
32 DSN COVERAGE	0805 |-----| 35 [D] |-----| 1450												1515 |-----| 43 [D] |-----| 1735													
	.....| 40 |-----|												0230 - 0630 |-----| 43 [o] |-----|													
													|-----| 40 |-----|													
S/C 32 INITIAL CONDITIONS RTLTL: 30h 11m 56s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 30h 12m 8s												| 0000 RTLTL 30h 12m 18s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1332 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 27														SEP 28											

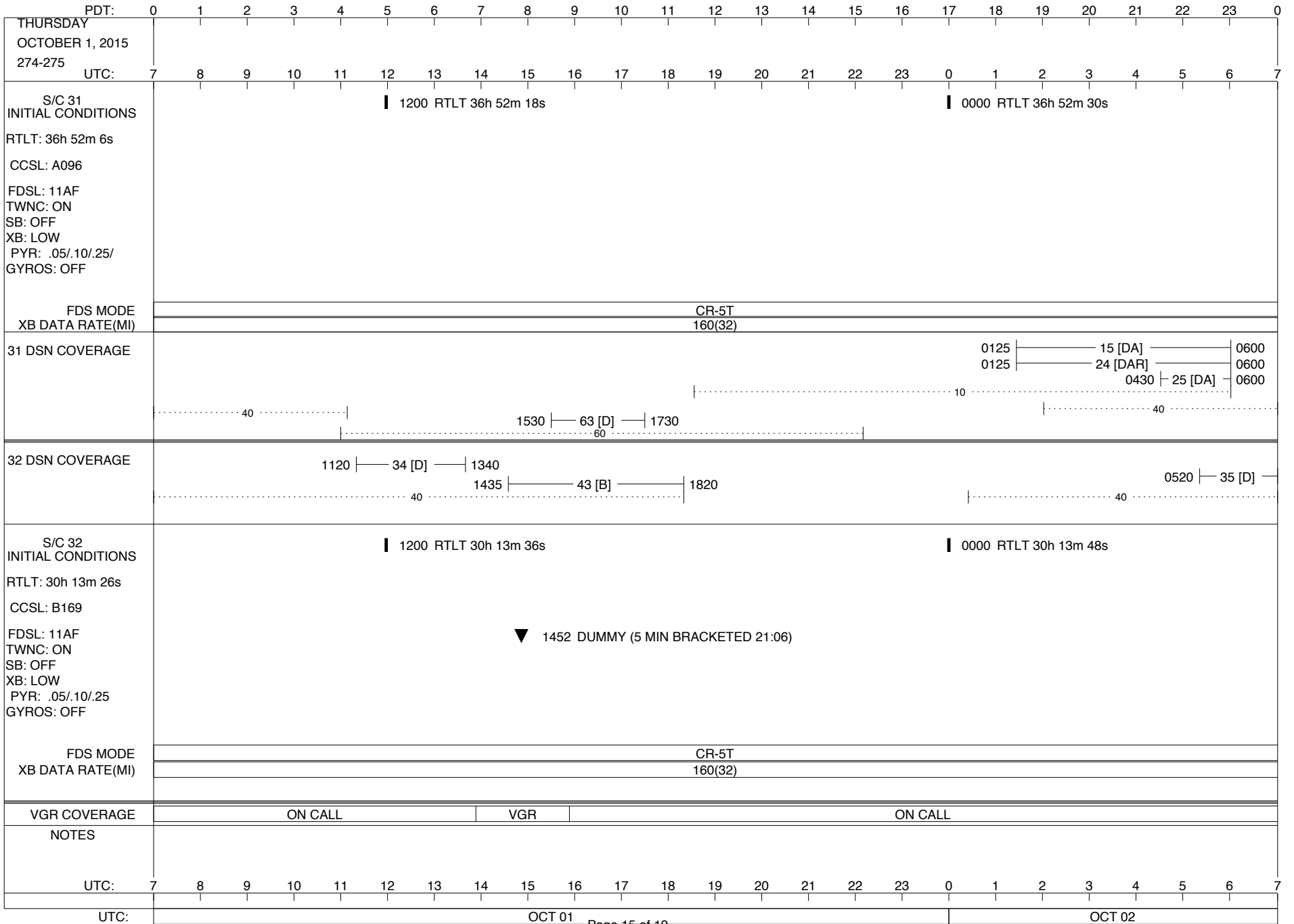


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TUESDAY SEPTEMBER 29, 2015 272-273																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 36h 51m 22s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 36h 51m 32s												█ 0000 RTLTL 36h 51m 44s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	43 [D] ———— 0930 40 60 10 40												0030 |————— 15 [DAR] —————| 0605 0030 |————— 24 [DA] —————| 0605 0435 | 25 [DA] | ..... ..... 40												
32 DSN COVERAGE	0845 |————— 45 [D] —————| 1345 40 40																								
S/C 32 INITIAL CONDITIONS RTLTL: 30h 12m 40s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 30h 12m 52s												█ 0000 RTLTL 30h 13m 2s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0356 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 29												SEP 30												

ISSUE DATE: 09/22/15 12:19

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 30, 2015 273-274							
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: 36h 51m 44s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 36h 51m 56s						
	0000 RTLT 36h 52m 6s						
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)						
31 DSN COVERAGE							
32 DSN COVERAGE							
S/C 32 INITIAL CONDITIONS RTLT: 30h 13m 2s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 13m 14s						
	0000 RTLT 30h 13m 26s						
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T</td> <td>EL-40</td> <td>CR-5T</td> </tr> <tr> <td>160(32)</td> <td>40(30)</td> <td>160(32)</td> </tr> </table>	CR-5T	EL-40	CR-5T	160(32)	40(30)	160(32)
CR-5T	EL-40	CR-5T					
160(32)	40(30)	160(32)					
VGR COVERAGE	<table border="1"> <tr> <td>ON CALL</td> <td>VGR</td> <td>ON CALL</td> </tr> </table>	ON CALL	VGR	ON CALL			
ON CALL	VGR	ON CALL					
NOTES	[1] S/C 32=EL-40 @ 1617 XB=40(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 30 OCT 01							

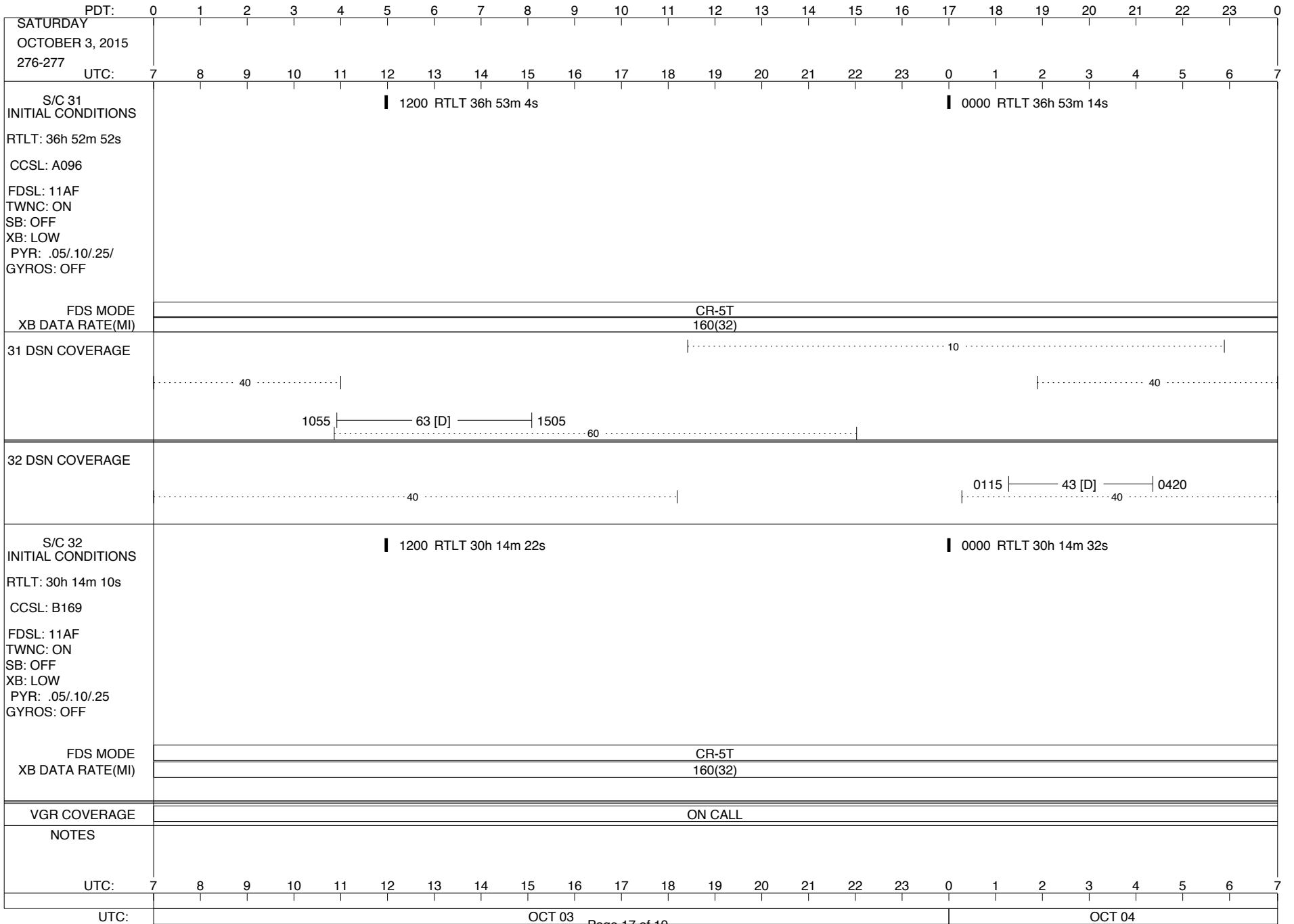
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ISSUE DATE: 09/22/15 12:19

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 OCTOBER 2, 2015 275-276																											
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S/C 31 INITIAL CONDITIONS RTLT: 36h 52m 30s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 36h 52m 40s												0000 RTLT 36h 52m 52s														
	|---| 0707 - 0750 TAPPOS 1009 | 1010 PWS/RH 1021 | - | 1050 TAPPOS																										
	↓ 1009 GS-4B 1010																										
FDS MODE	CR-5T												CR-5T														
XB DATA RATE(MI)	160(32)												160(32)														
31 DSN COVERAGE	.....40.....|.....60.....|												|.....10.....| |.....40.....|														
32 DSN COVERAGE	0700 35 [D] 1030 |-----43 [D]-----| 1815												0040 |-----43 [D]-----| 0455.....40.....|.....40.....|														
S/C 32 INITIAL CONDITIONS RTLT: 30h 13m 48s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 13m 58s												0000 RTLT 30h 14m 10s														
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
VGR COVERAGE													ON CALL														
NOTES	[1] S/C 31=GS-4B @ 1009 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:	OCT 02														OCT 03												

ISSUE DATE: 09/22/15 12:19



ISSUE DATE: 09/22/15 12:19

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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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: 36h 53m 14s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25/ GYROS: OFF	1200 RTLTL 36h 53m 26s												0000 RTLTL 36h 53m 36s													
	1008 | - | 1037 TAPPOS												1309 | 1311 PWS/RH 1321 | | 1336 TAPPOS													
	↓ 1309 GS-4B 1311																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	.....40.....|												1930 |-----14 [D]-----| 2345 |-----10-----| |-----40-----|													
	|-----60-----|																									
32 DSN COVERAGE	1115 |---45 [D]---| 1325												1405 |---43 [D]---| 1805.....40.....|-----40.....													
S/C 32 INITIAL CONDITIONS RTLTL: 30h 14m 32s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLTL 30h 14m 44s												| 0000 RTLTL 30h 14m 54s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1309 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:	OCT 04														OCT 05											

ISSUE DATE: 09/22/15 12:19

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 5, 2015 278-279																											
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: 36h 53m 36s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	| 1200 RTLT 36h 53m 48s																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<p>.....40.....|</p> <p>1115 |----- 63 -----| 1515</p> <p>.....60.....|</p>																										
32 DSN COVERAGE	<p>0920 |----- 35 [D] -----| 1320</p> <p>.....40.....|</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 30h 14m 54s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 30h 15m 6s																										
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:	OCT 05													OCT 06													