

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: September 9, 2015

For the Period: 09/10/15 to 09/28/15 (15-253 – 15-271)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

*Zsarina.Bulchand@jpl.nasa.gov
 *gdyke@airmail.ftops.jpl.nasa.gov
 *John.M.Grant@jpl.nasa.gov
 *dmcclena@airmail.ftops.jpl.nasa.gov
 *pquach@airmail.ftops.jpl.nasa.gov
 *mrobles@airmail.ftops.jpl.nasa.gov
 *rwilliam@airmail.ftops.jpl.nasa.gov

OTHER

* KMassey@jgld.gdscc.nasa.gov
 * Belinda.Arroyo@jpl.nasa.gov
 *DL-DSSN-MPSETA@dsn.nasa.gov

SCIENCE

CRS *bryant@mail630.gsfc.nasa.gov
 LECP *r.decker@jhuapl.edu
 UVS *holburg@argus.lpl.arizona.edu
 MAG *u2mha@lepvox.gsfc.nasa.gov
 PLS *vgr@space.mit.edu
 PWS *wsk@space.physics.uiowa.edu
 *Leonard.F.Burlaga@nasa.gov
 *Donald-Gurnett@uiowa.edu

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

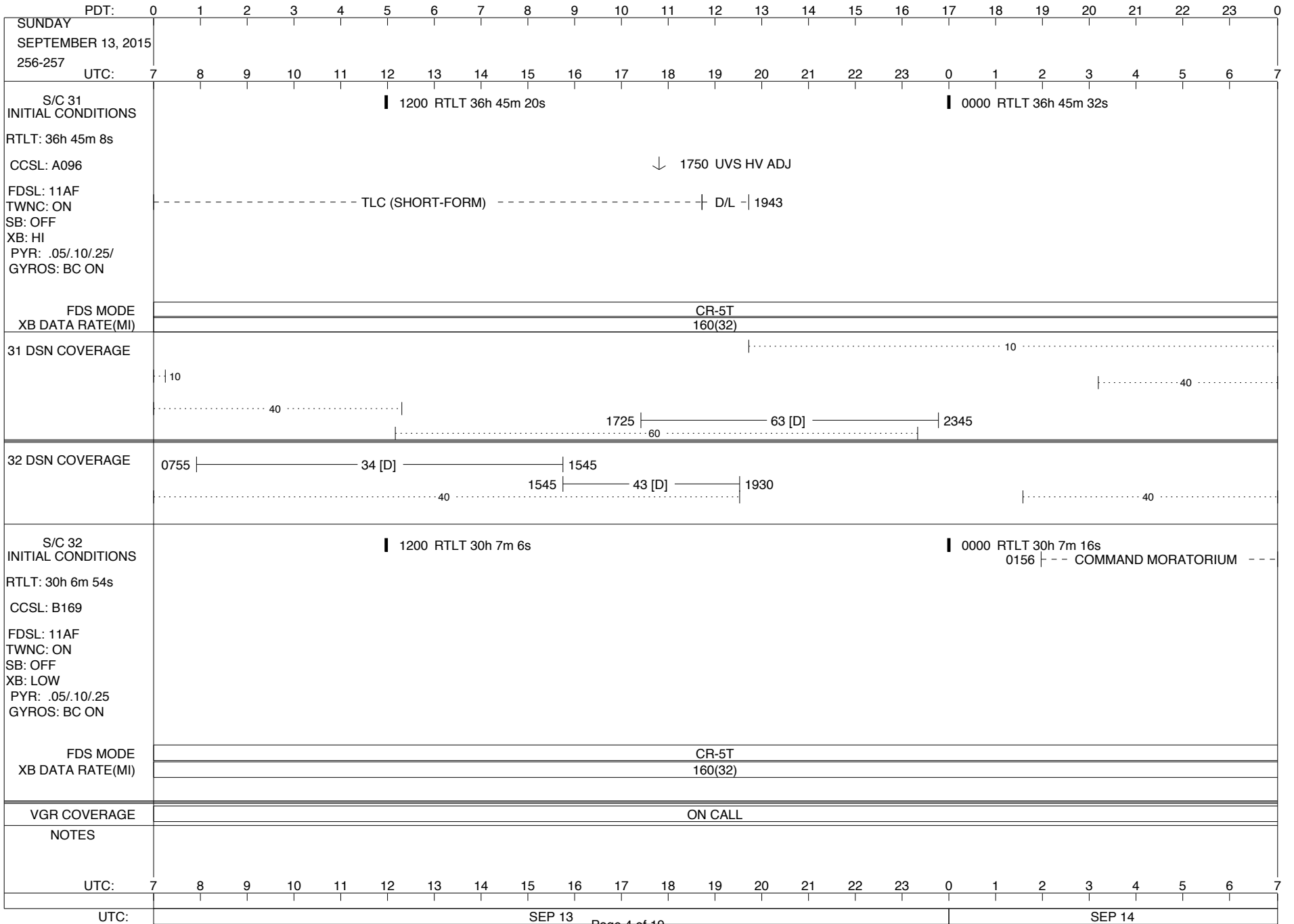
*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10

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S/C 31 INITIAL CONDITIONS RTLT: 36h 43m 56s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	<p>1200 RTLT 36h 44m 8s</p> <p>1151 - 1217 TAPPOS</p> <p>1453 1454 PWS/RH</p> <p>1505 1517 TAPPOS</p>												<p>0000 RTLT 36h 44m 20s</p> <p>ALL DB=.05 0602 ↓</p> <p>AAI 0618 ↓</p> <p>ASCAL 0618 - 0655 - - </p> <p>RAI 0653 ↓</p> <p>CRU 0655 ↓</p>												
FDS MODE	CR-5T											CR-5T											EL-40		
XB DATA RATE(MI)	160(32)											160(32)											40(30)		
31 DSN COVERAGE	<p>0725 14 [DA]</p> <p>0150 24 [DAR] 0550</p> <p>0150 26 [DA] 0550</p> <p>0530 14 [D]</p> <p>40</p> <p>60</p> <p>10</p> <p>40</p>																								
32 DSN COVERAGE	<p>43 [D] 0910</p> <p>1215 45 [D] 1555</p> <p>1555 43 [D] 1945</p> <p>35 [D] 0625 </p> <p>40</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 30h 5m 52s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	<p>1200 RTLT 30h 6m 2s</p>												<p>0000 RTLT 30h 6m 14s</p> <p>GYRO SWAP BC ON 0642 ↓</p> <p>GYRO INIT 0643 ↓</p> <p>GYRO FAULT TEST 0652 ↓</p>												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																						VGR		
NOTES	<p>[1] S/C 31=GS-4B @ 1453 XB=2.8K(41) NOT RECOVERABLE</p> <p>[2] S/C 31=EL-40 @ 0546 XB=40(30)</p>												<p>[3] S/C 31=D/L SNR VARIATIONS EXPECTED DURING ASCAL (0618-0655)</p> <p>[4] S/C 31=CR-5T @ 0658 XB=160(32)</p>												
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UTC:	SEP 10														SEP 11										

ISSUE DATE: 09/16/15 08:52

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S/C 31 INITIAL CONDITIONS RTLTL: 36h 44m 44s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: BC ON	1200 RTLT 36h 44m 56s												0000 RTLT 36h 45m 8s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	0720 43 [T] 40												2240 24 [DAR] 0040 2240 25 [DA] 0040 10													
32 DSN COVERAGE	0805 34 [o] 40 1550												40													
S/C 32 INITIAL CONDITIONS RTLTL: 30h 6m 34s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 30h 6m 44s												0000 RTLT 30h 6m 54s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1753 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	
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ISSUE DATE: 09/16/15 08:52



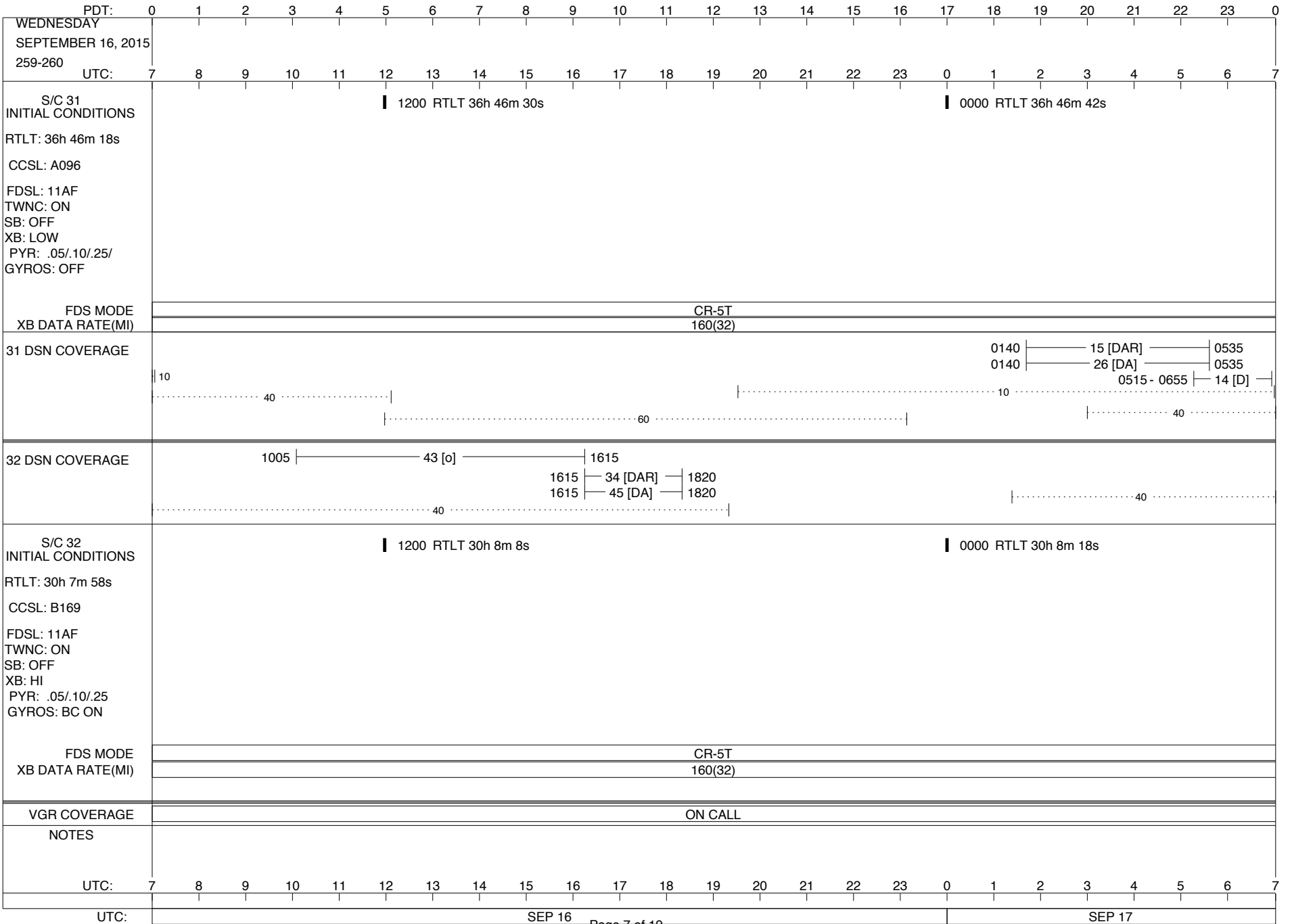
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S/C 31 INITIAL CONDITIONS RTLT: 36h 45m 32s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: BC ON						1200 RTLT 36h 45m 44s												0000 RTLT 36h 45m 56s							
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE	10																								
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 30h 7m 16s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON						1200 RTLT 30h 7m 26s																			
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: 09/16/15 08:52

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 15, 2015 258-259																									
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S/C 31 INITIAL CONDITIONS RTLT: 36h 45m 56s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 36h 46m 6s												0000 RTLT 36h 46m 18s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	<p>0705 14 [DA] 2325 24 [DA] 0545</p> <p>2325 26 [DAR] 0545</p> <p>10 10 40 40</p>																								
32 DSN COVERAGE	<p>34 [D] 1535</p> <p>1600 43 [D] 1925</p> <p>40 40</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 30h 7m 36s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 30h 7m 48s												0000 RTLT 30h 7m 58s												
FDS MODE	EL-40												CR-5T												
XB DATA RATE(MI)	40(30)												160(32)												
VGR COVERAGE	VGR												ON CALL												
NOTES	<p>[1] S/C 31=GS-4B @ 0441 XB=2.8K(41) NOT RECOVERABLE [3] S/C 32=EL-40 @ 0744 XB=40(30)</p> <p>[2] S/C 32=D/L AGC & SNR VARIATIONS EXPECTED DURING ASCAL (0816-0853) [4] S/C 32=CR-5T @ 0856 XB=160(32)</p>																								
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: 09/16/15 08:52



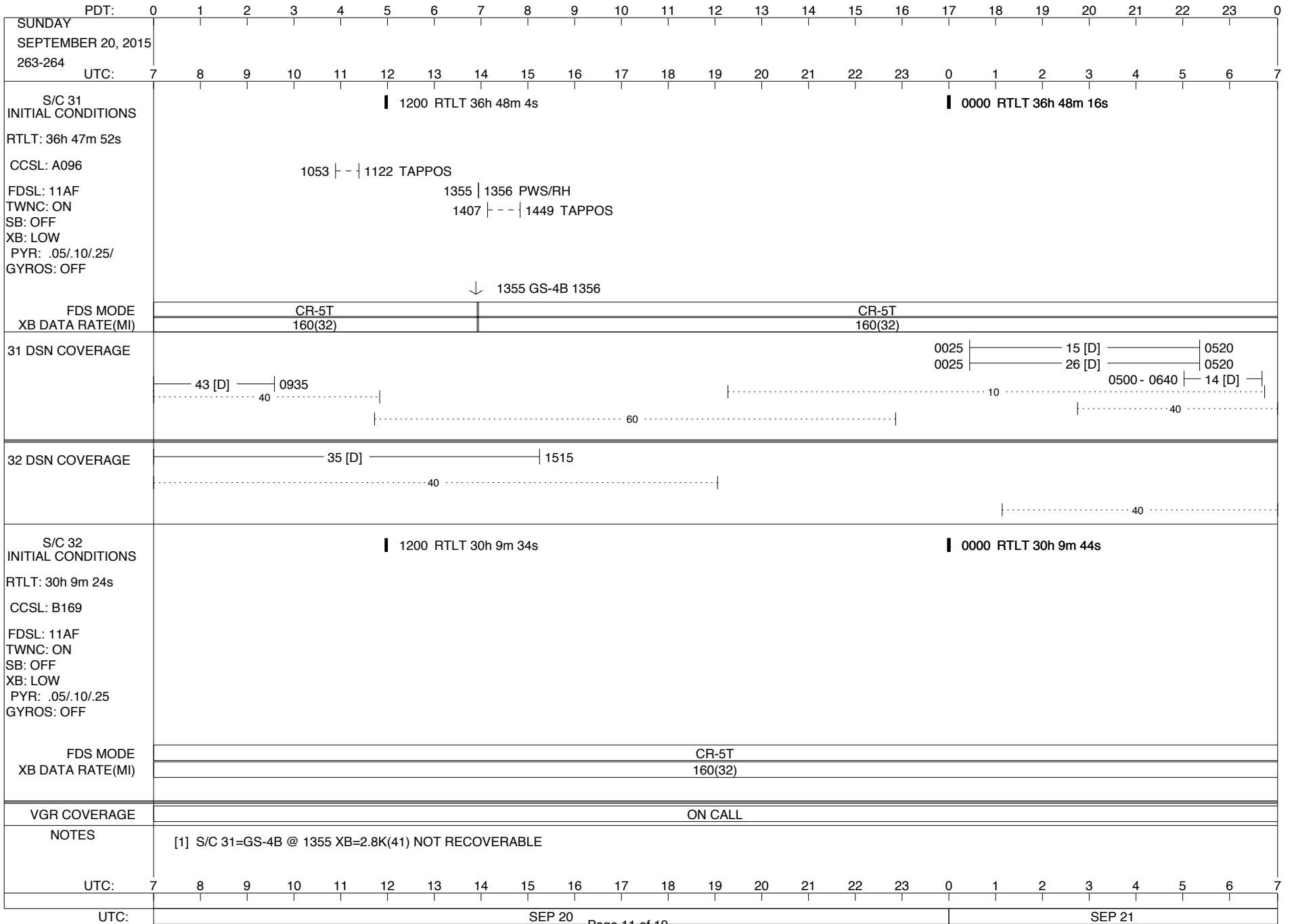
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S/C 31 INITIAL CONDITIONS RTLTL: 36h 47m 6s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 36h 47m 18s												0000 RTLTL 36h 47m 30s												
	0753 0808 TAPPOS												1054 1056 PWS/RH												
	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 RTLTL: 30h 8m 40s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLTL 30h 8m 50s												0000 RTLTL 30h 9m 2s												
	----- COMMAND MORATORIUM -----																								
	↓ 0754 AAI												↓ 1352												
	0757 ----- MAGROL -----												↓ 1345 RAI												
													↓ 1352 CRU												
													↓ 1352 GYROS OFF												
													↓ 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
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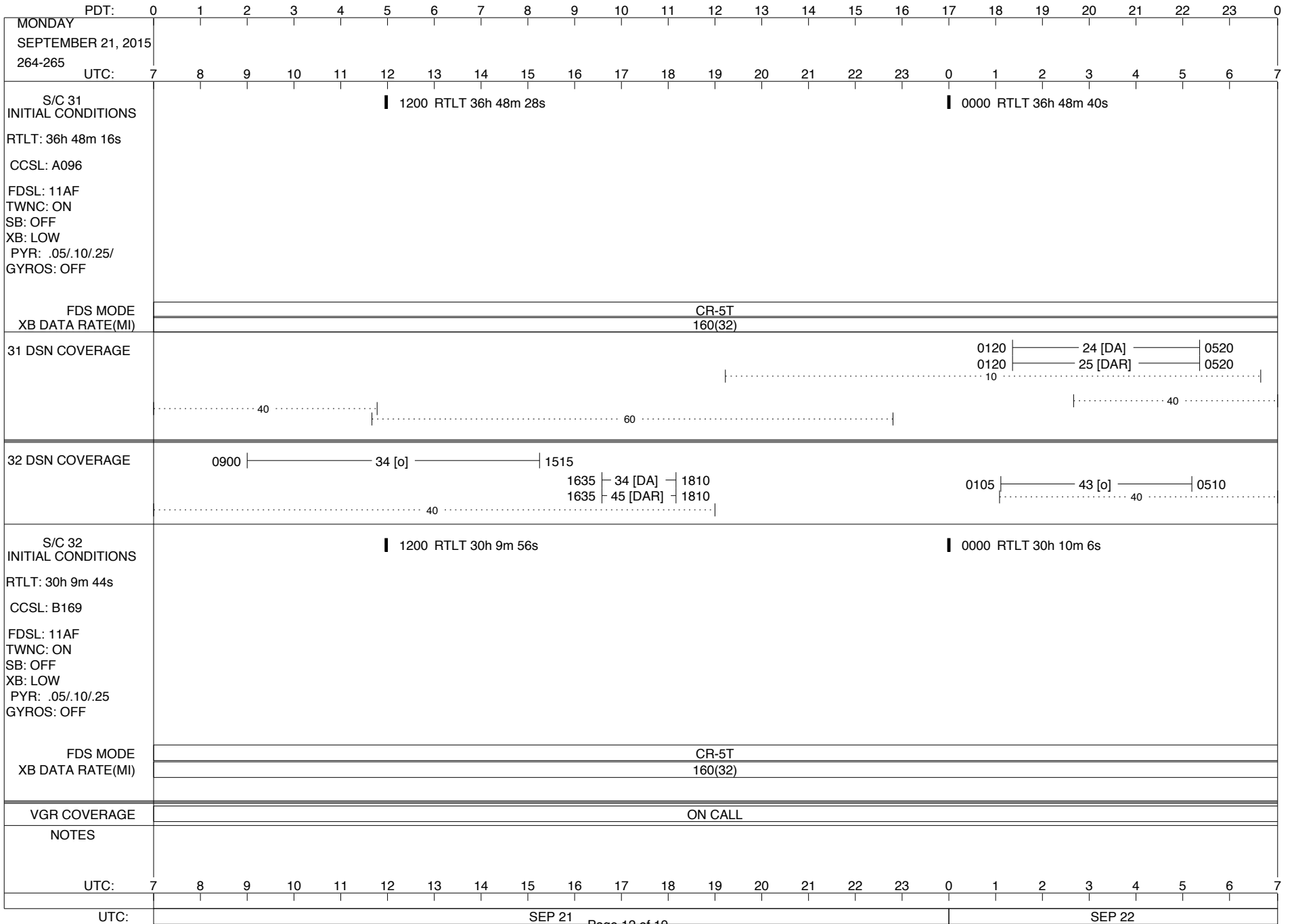
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S/C 31 INITIAL CONDITIONS RTLT: 36h 47m 30s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 36h 47m 42s												0000 RTLT 36h 47m 52s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	- 43 [D] - 0825 40 10 0535 - 43 [D] - 40												
32 DSN COVERAGE	- 34 [o] - 1010 1155 - 45 [D] - 1520 40 40 0455 - 35 [D] - 40												
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												
	- - - 0750 COMMAND MORATORIUM																								
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
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ISSUE DATE: 09/16/15 08:52



ISSUE DATE: 09/16/15 08:52



ISSUE DATE: 09/16/15 08:52

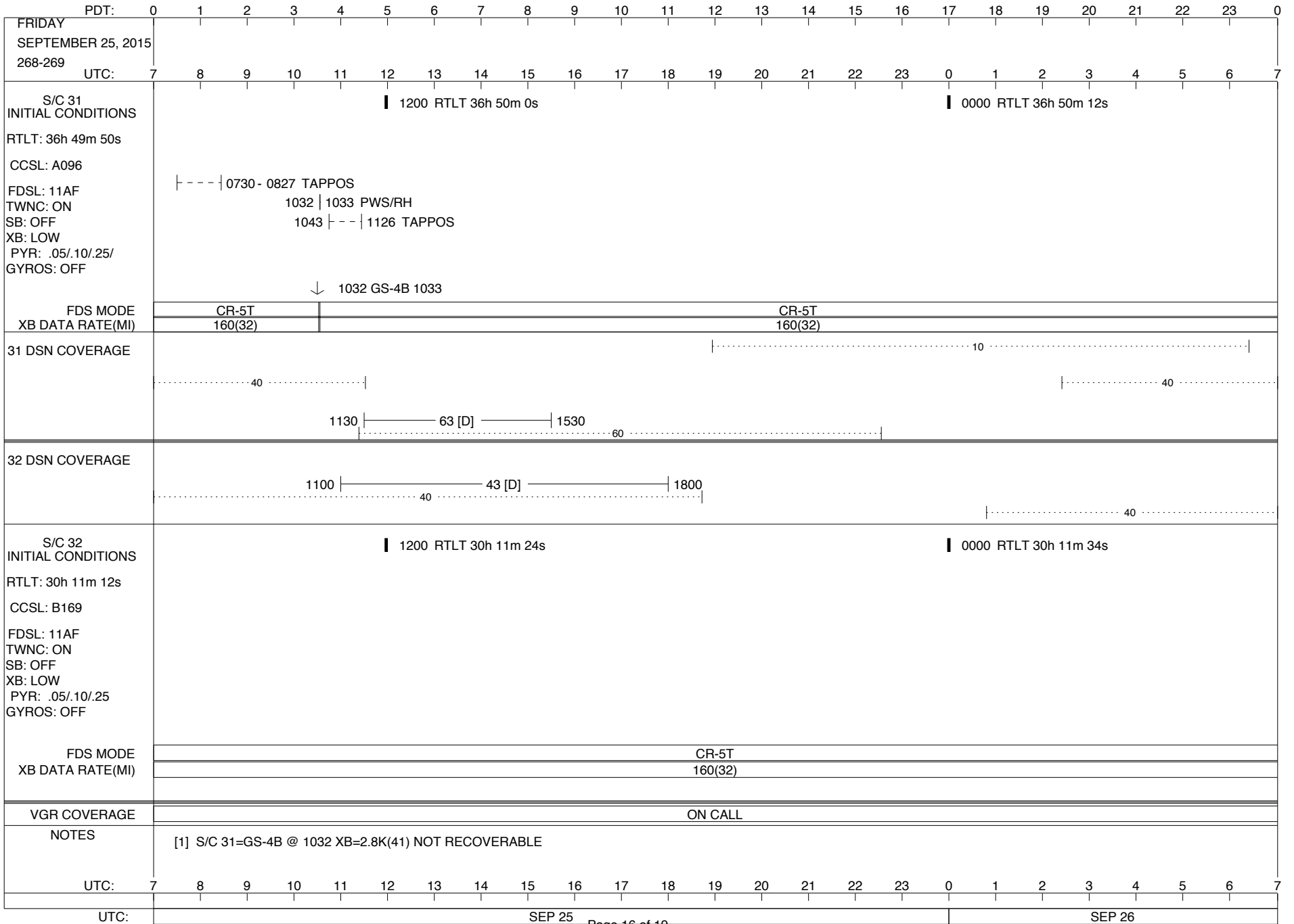
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S/C 31 INITIAL CONDITIONS RTLTL: 36h 48m 40s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF		1200 RTLTL 36h 48m 52s												0000 RTLTL 36h 49m 2s															
FDS MODE		CR-5T						EL-40			CR-5T						0418 GS-4B 0419 ↓												
XB DATA RATE(MI)		160(32)						40(30)			160(32)						160(32)												
31 DSN COVERAGE		<p>0115 15 [DA] 0515 0115 24 [DAR] 0515 10</p> <p>40</p> <p>1235 63 [T] 1605 60</p>																											
32 DSN COVERAGE		<p>1540 43 [D] 1800 40</p> <p>0515 35 [D] 40</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 30h 10m 6s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLTL 30h 10m 18s												0000 RTLTL 30h 10m 28s															
FDS MODE		CR-5T																											
XB DATA RATE(MI)		160(32)																											
VGR COVERAGE		ON CALL																											
NOTES		[1] S/C 31=EL-40 @ 1408 XB=40(30)														[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			
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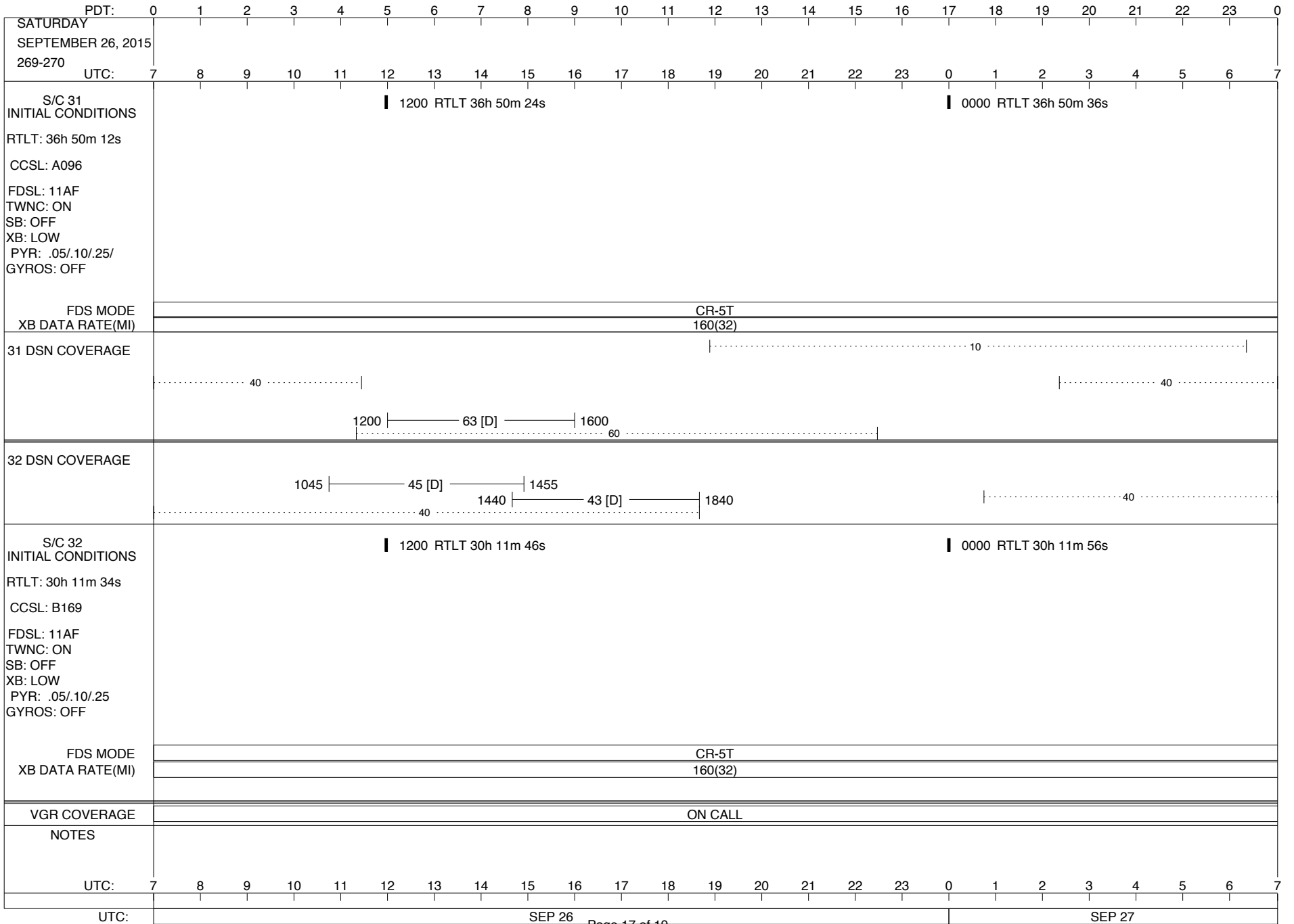
ISSUE DATE: 09/16/15 08:52

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WEDNESDAY SEPTEMBER 23, 2015 266-267																									
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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	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE40.....60.....40.....												0105 ----- 24 [DA] ----- 0510 0105 ----- 26 [DAR] ----- 051010.....												
32 DSN COVERAGE	----- 35 [D] ----- 0945 1145 ----- 45 [D] ----- 145540.....1550 ----- 43 [B] ----- 1850											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	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	- - 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
UTC:	SEP 23												SEP 24												

ISSUE DATE: 09/16/15 08:52

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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																			
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
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																			
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 24													SEP 25											





ISSUE DATE: 09/16/15 08:52

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 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 ----- 10 -----													
	40 -----												----- 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												

ISSUE DATE: 09/16/15 08:52

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 28, 2015 271-272																											
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S/C 31 INITIAL CONDITIONS RTLT: 36h 50m 58s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<p style="text-align: center;">█ 1200 RTLT 36h 51m 10s</p>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p>..... 40</p> <p>1125 ----- 63 ----- 1525</p> <p> ----- 60 ----- </p>																										
32 DSN COVERAGE	<p>1045 ----- 45 [D] ----- 1350</p> <p> ----- 40 ----- </p>																										
S/C 32 INITIAL CONDITIONS RTLT: 30h 12m 18s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<p style="text-align: center;">█ 1200 RTLT 30h 12m 30s</p>																										
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 28													SEP 29													