

**WAAS Technical Report**  
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**Pomona, New Jersey**  
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***DR#46: 4 seconds initialization in AORW, POR and CRW.***  
***GPS Week/Day: Week 1404 Day 1 (12/4/2006)***

**Discussion:**

On Week 1404 Day 1, AORW, POR and CRW had a 4 seconds initialization starting from GPS time 127829 (11:30:30 GMT) to 127832 (11:30:33 GMT), where 4 type 0 messages were being received. During this event, all the GUSes had a CnV Selected Source switch from ZDC to ZTL. As a result of the initialization in all three GEOs, coverage at 100% availability was lost. Figure 1 show the instantaneous LPV WAAS coverage plot for the CONUS area, where we can see a loss of availability during the 4 seconds initialization event. Table 1 is a brief events timeline for all the GUSes.

Figure 1

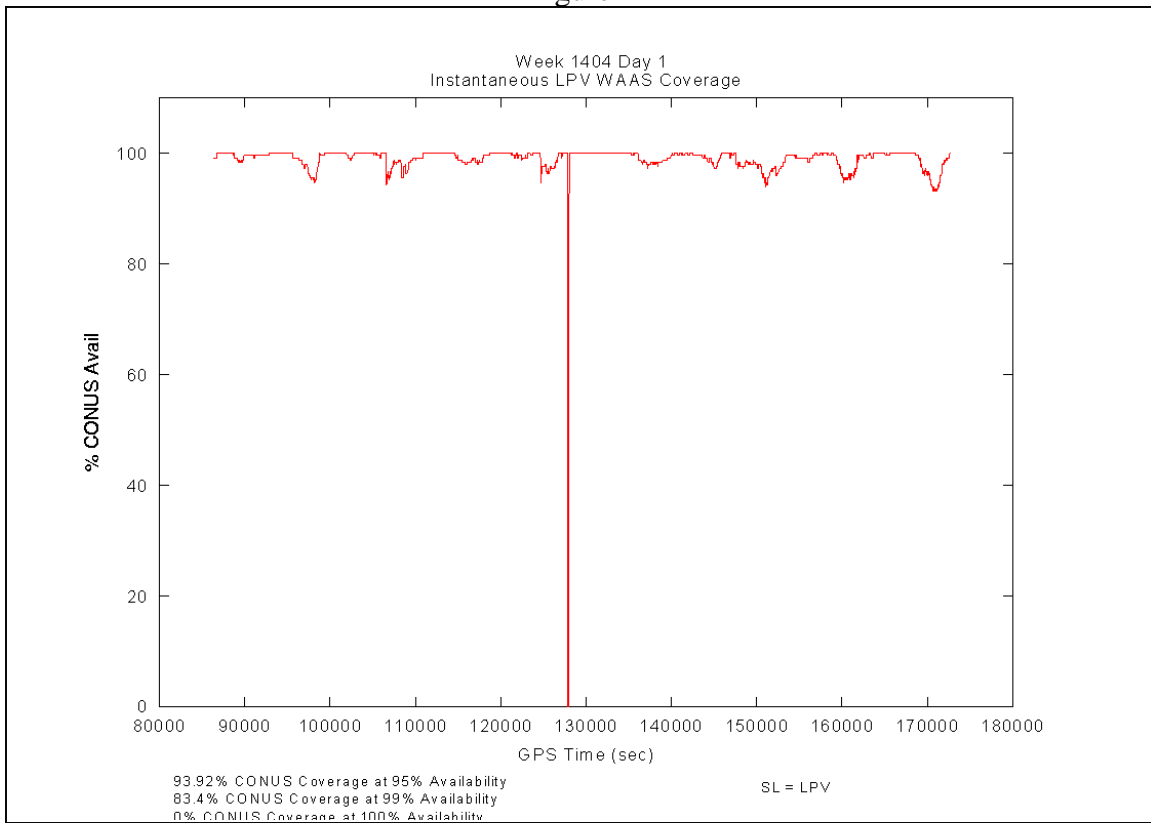


Table 1

GPS Time	GUS	Event (CnV selected source switch)
127829	Brewster	From ZDC to ZTL
127829	STA-B	From ZDC to ZTL
127829	Clarksburg	From ZDC to ZTL
127829	Napa	From ZDC to ZTL
127829	Littleton	From ZDC to ZTL
127830	STA-A	From ZDC to ZTL

**Conclusion**

All three operation GEOs were experiencing a 4 seconds initialization with 4 type 0 messages. At the same time all GUSes were switching CnV selected source from ZDC to ZTL. This event caused a loss of availability for WAAS.