The IGS Real-Time Service

– status update

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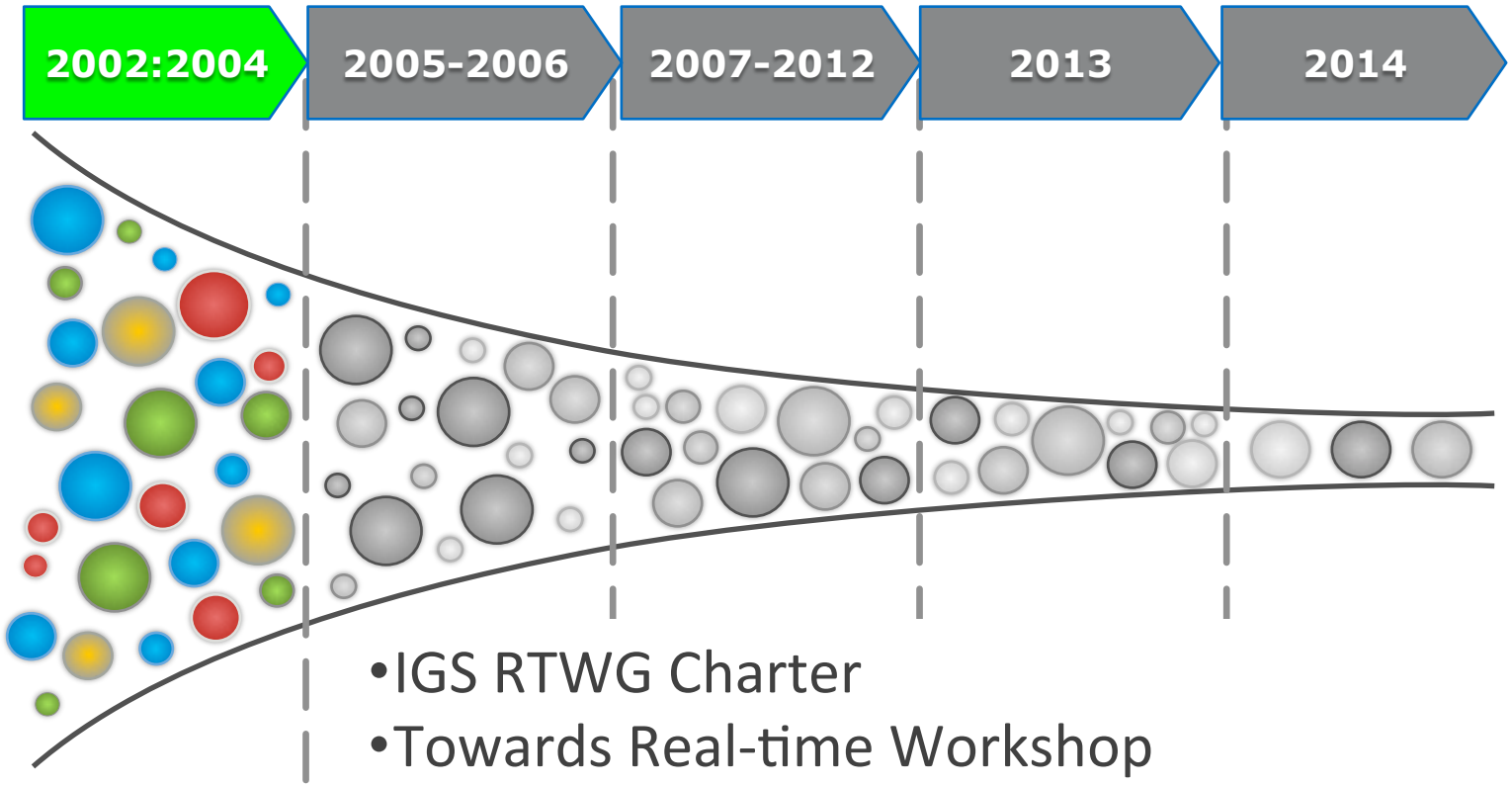
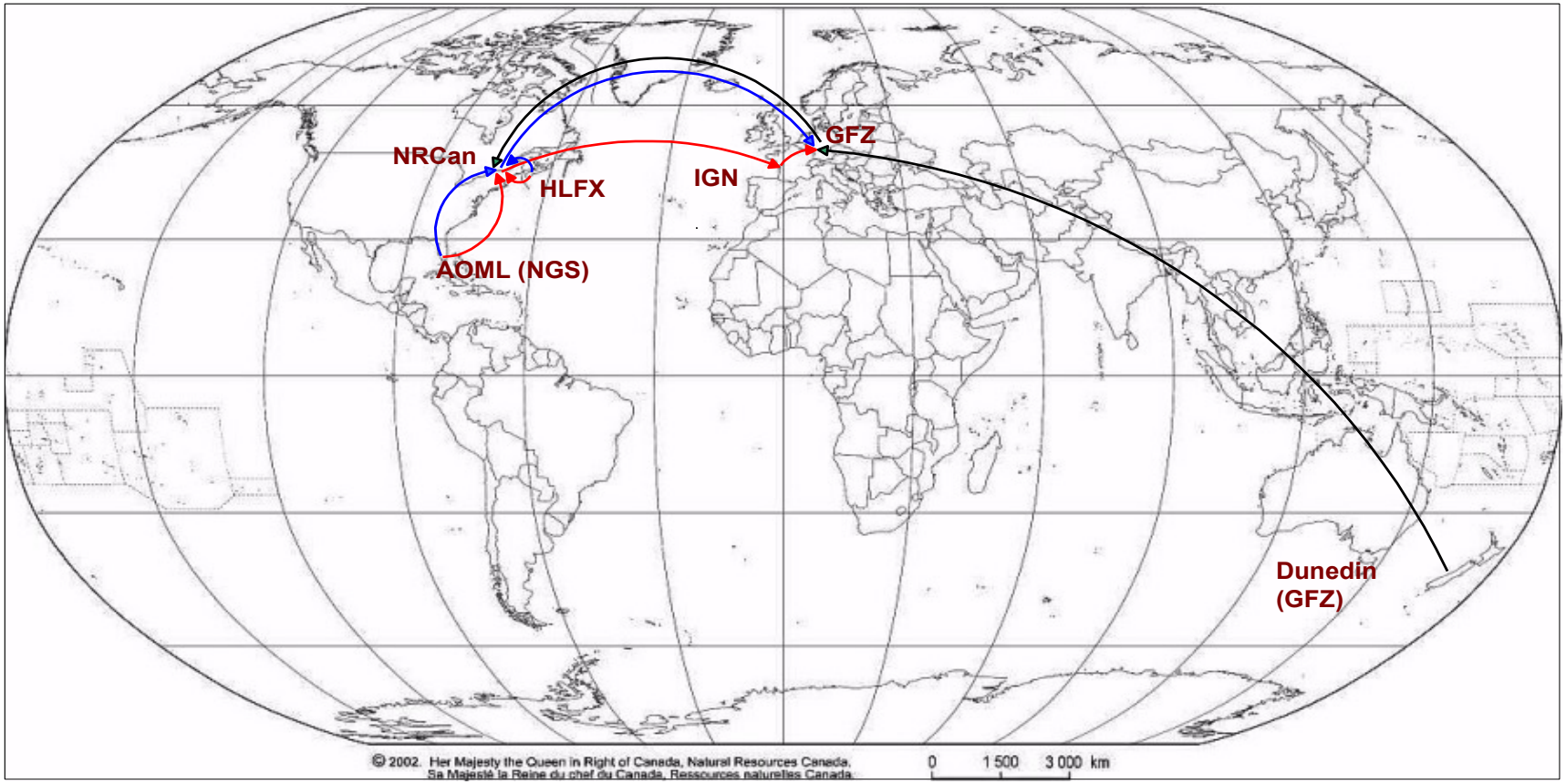
IGS-RTS Timeline



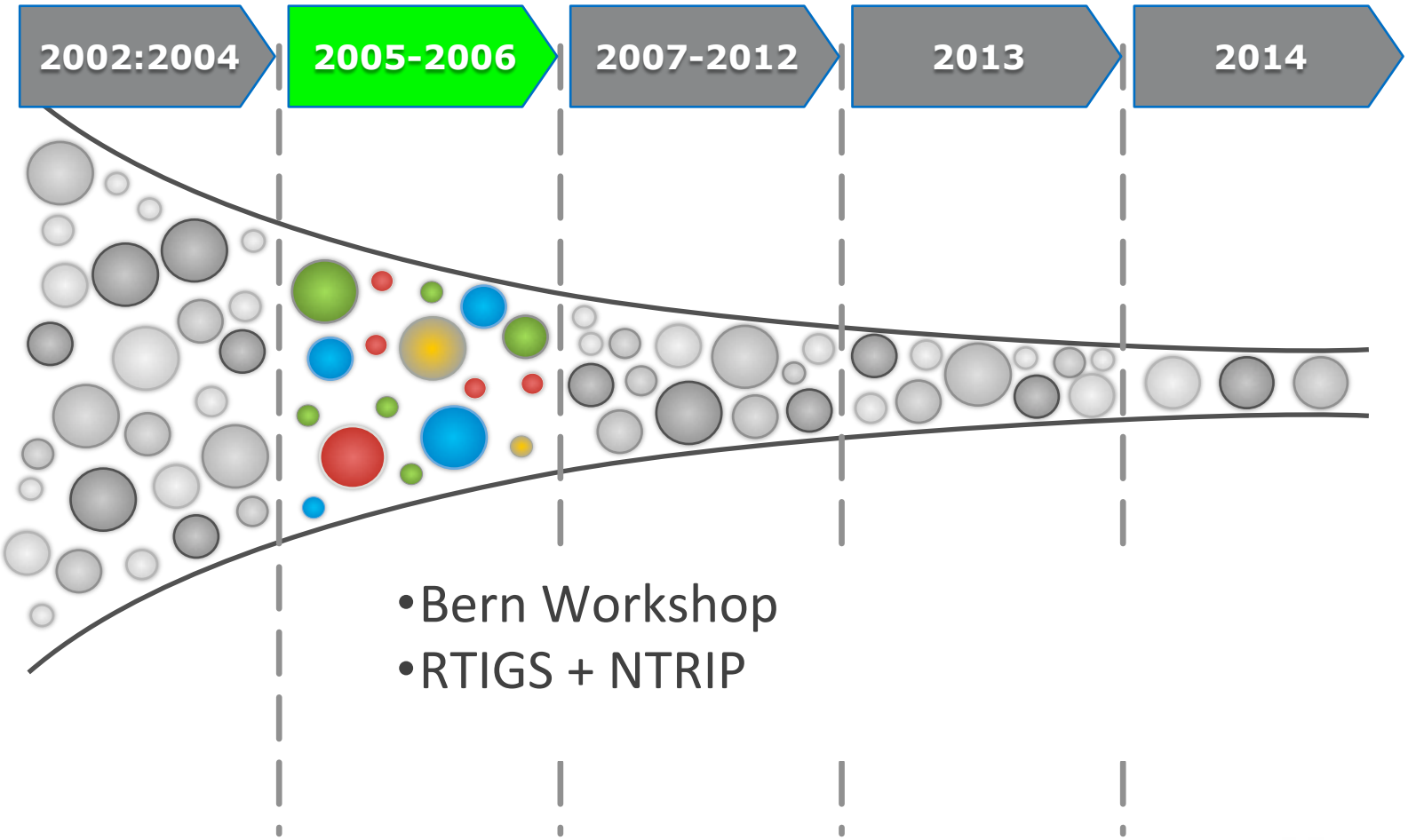
- IGS RTWG Charter
- Towards Real-time Workshop
- Prototype designed for data gathering and distribution

Proof of RTIGS Data Flow

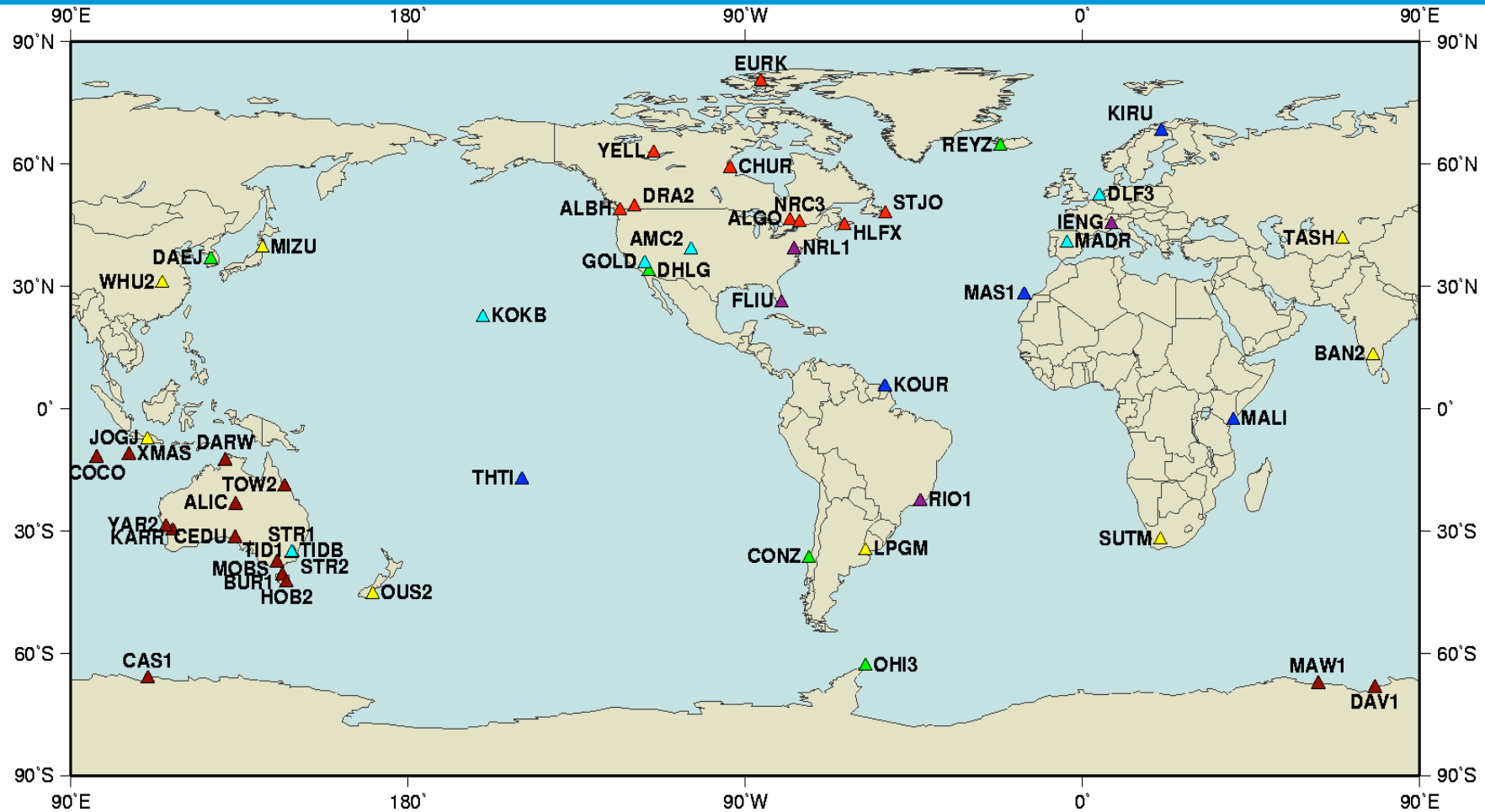


2004

IGS-RTS Timeline

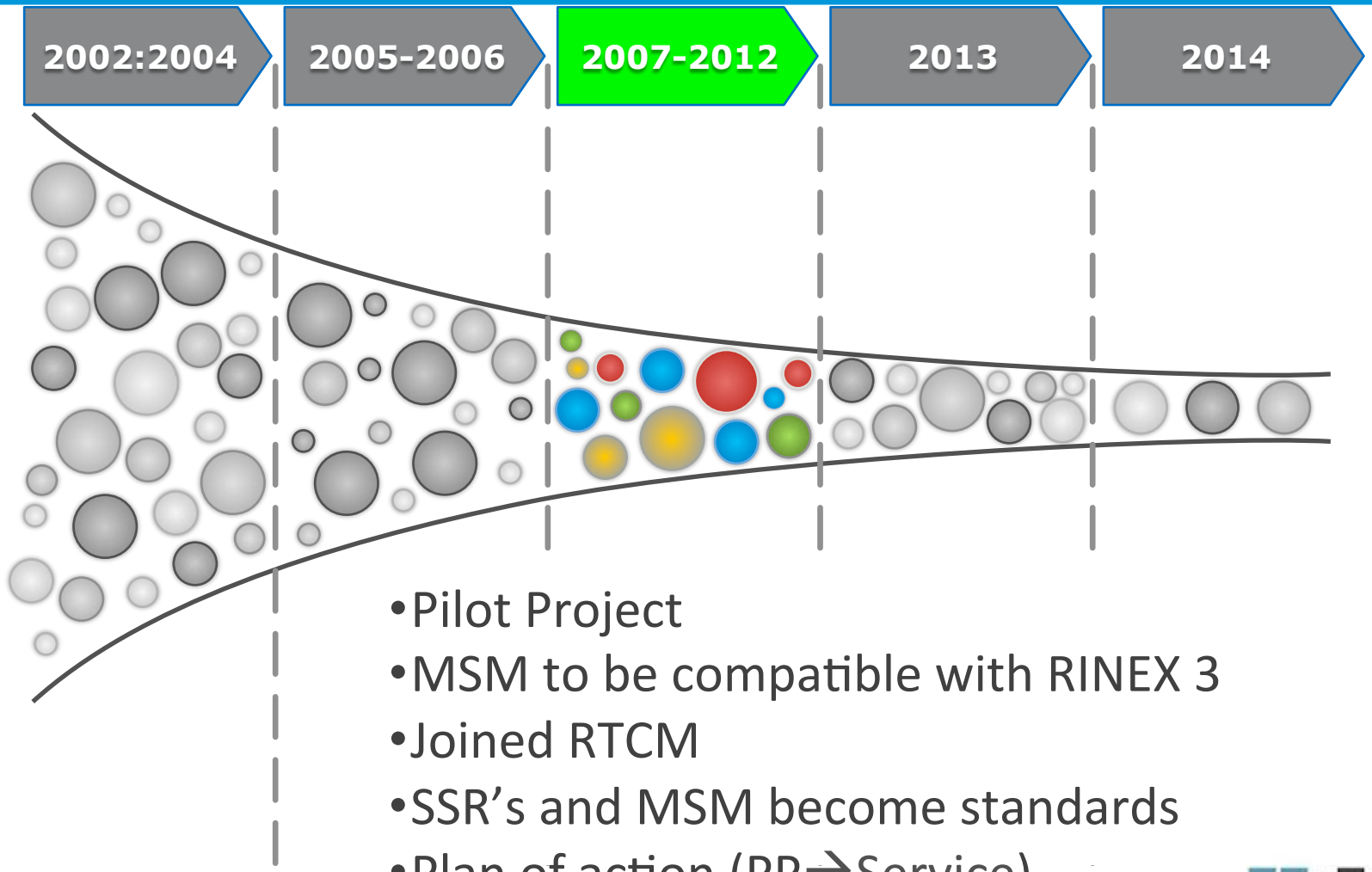


Heading Into the Pilot



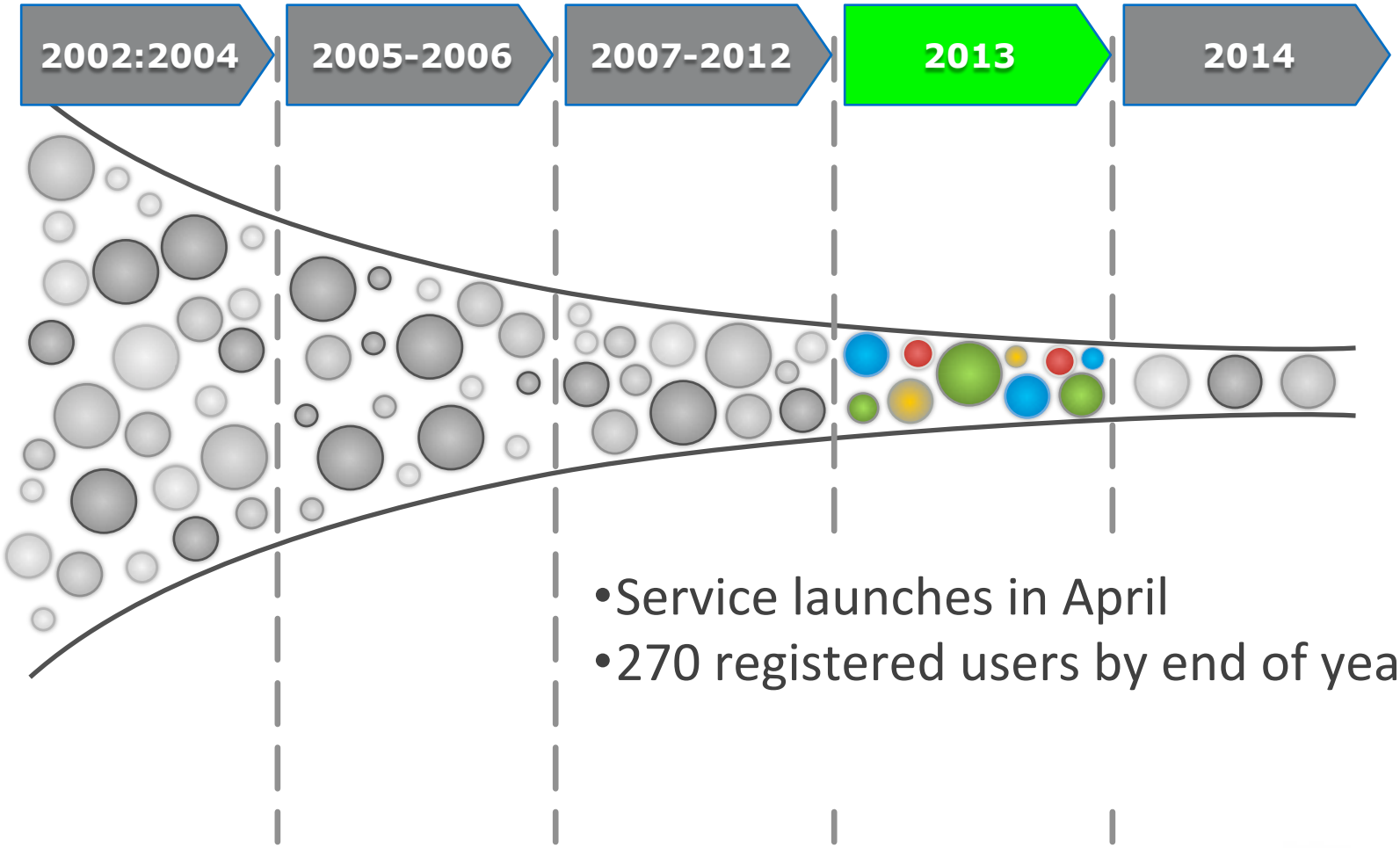
2006

IGS-RTS Timeline



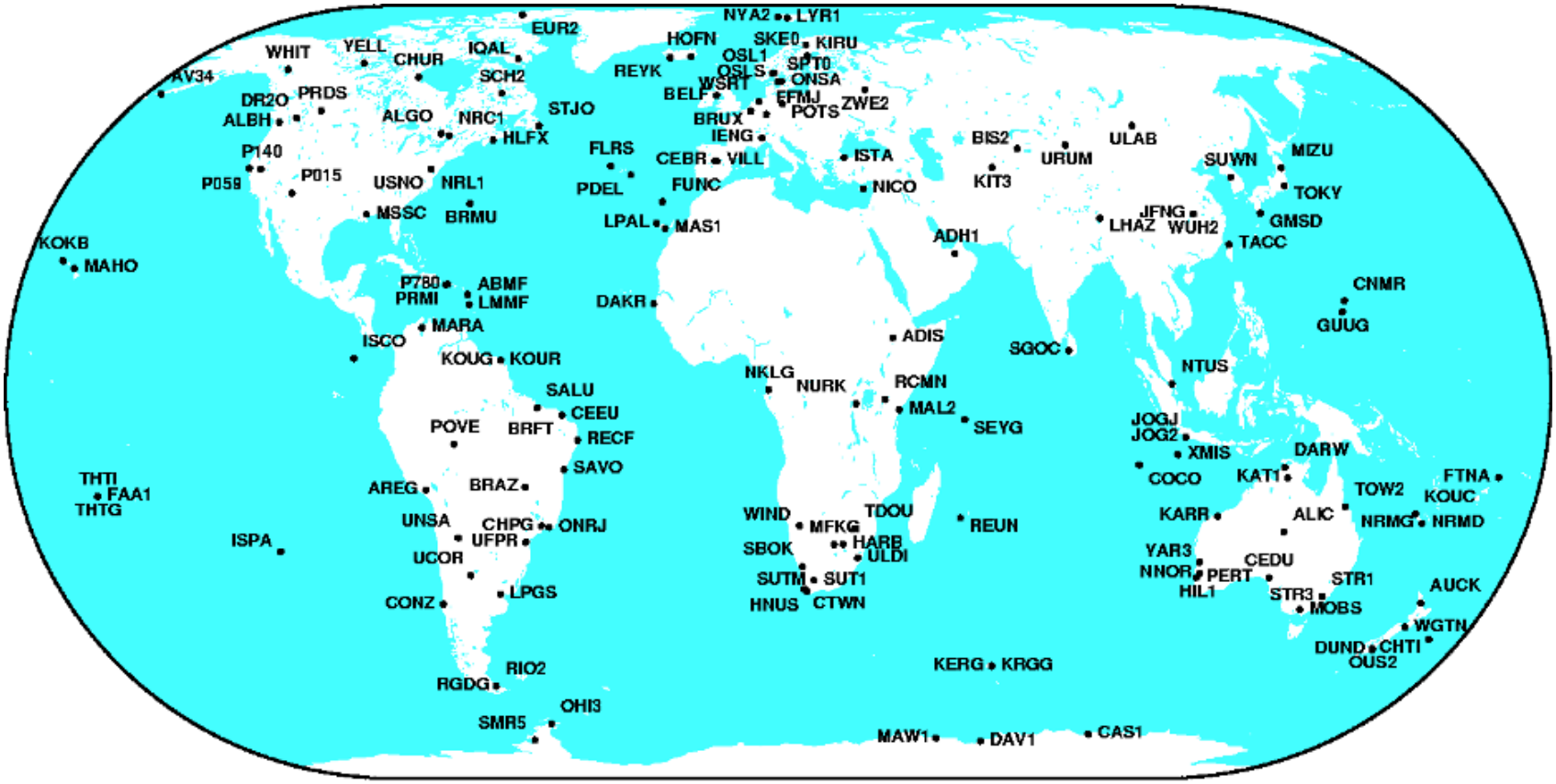
- Pilot Project
- MSM to be compatible with RINEX 3
- Joined RTCM
- SSR's and MSM become standards
- Plan of action (PP→Service)

IGS-RTS Timeline



- Service launches in April
- 270 registered users by end of year

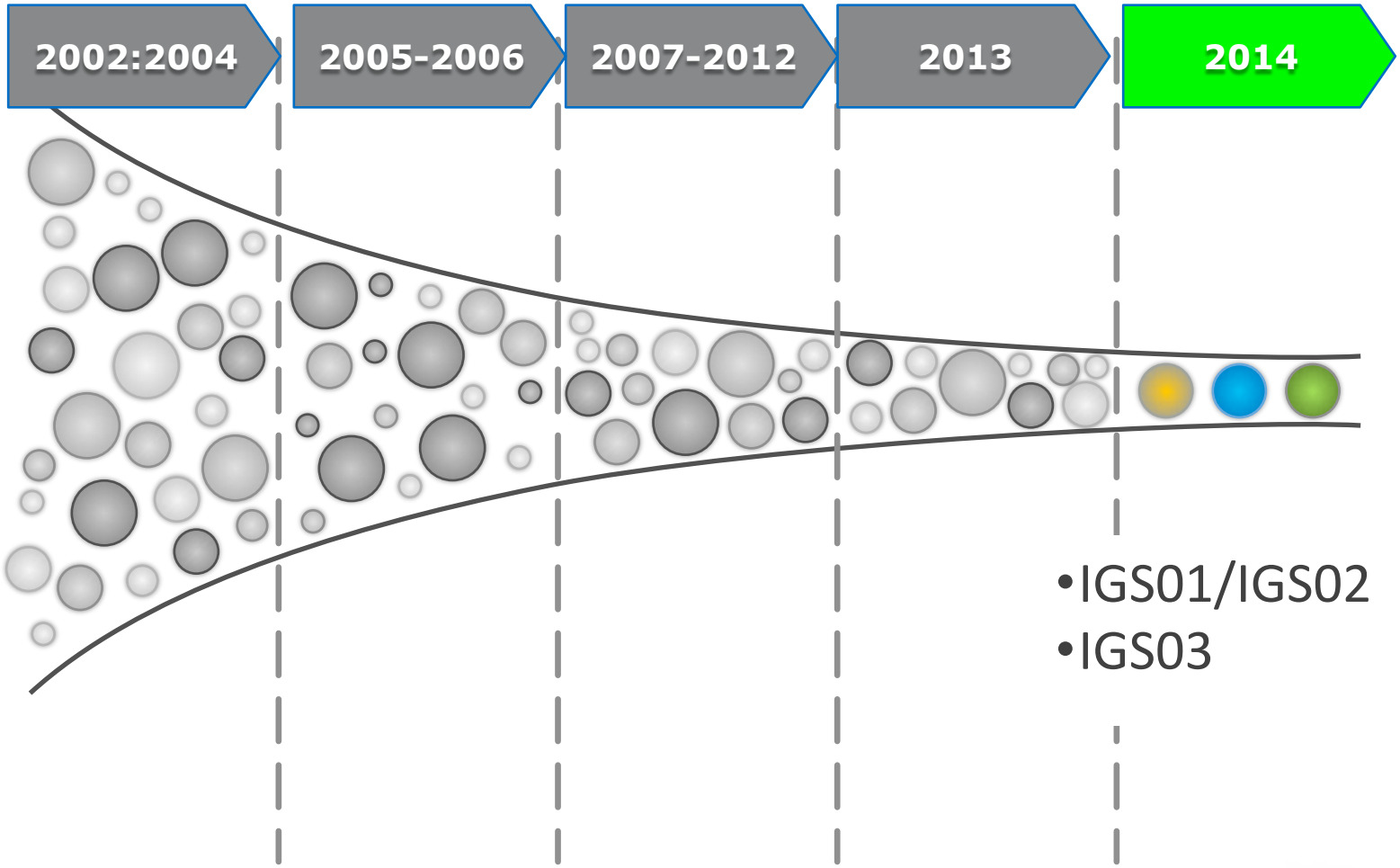
Today's Tracking Network



GMT 2013 Oct 7 18:33:09

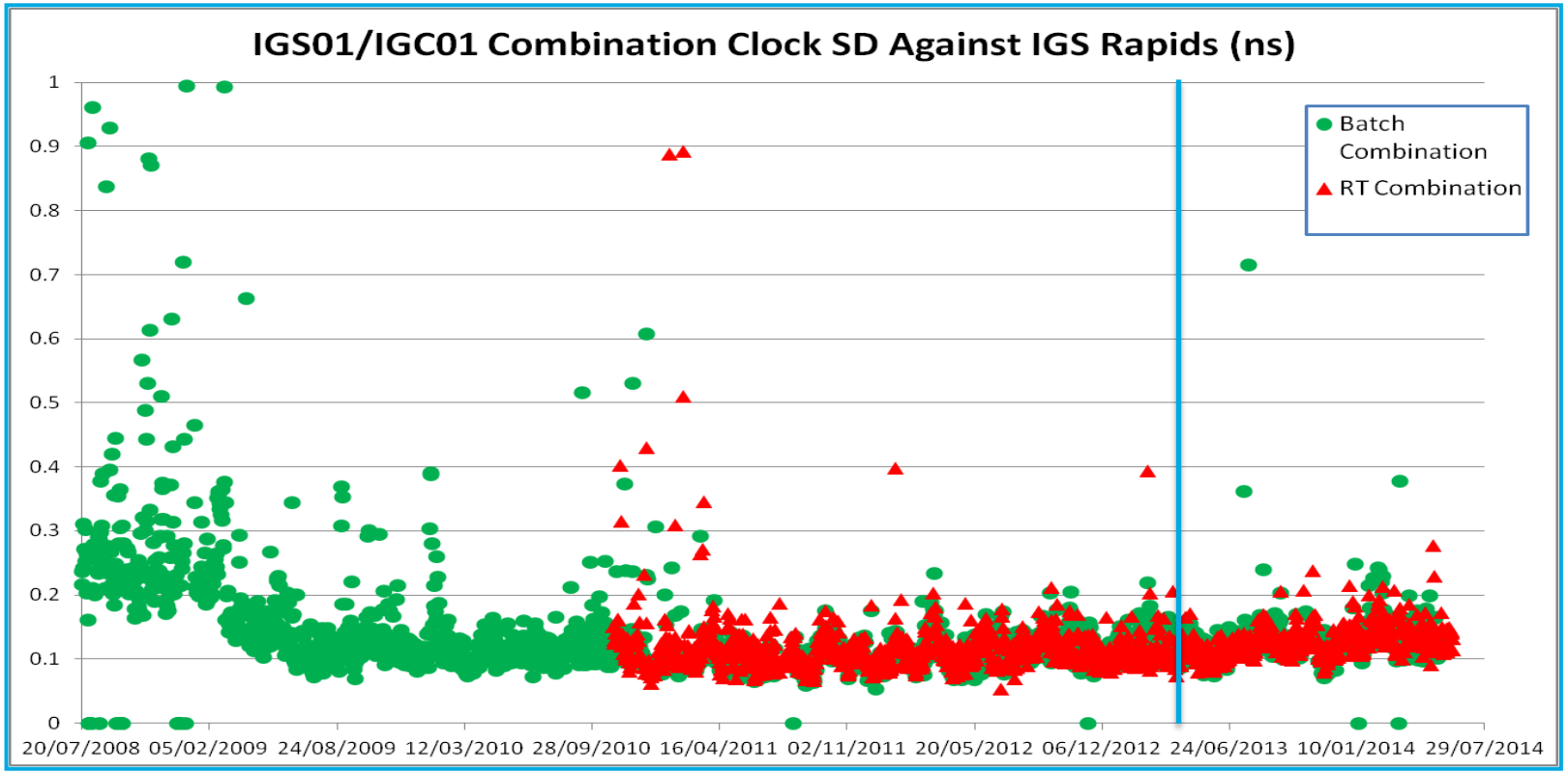
- 130+ GNSS stations

IGS-RTS Timeline

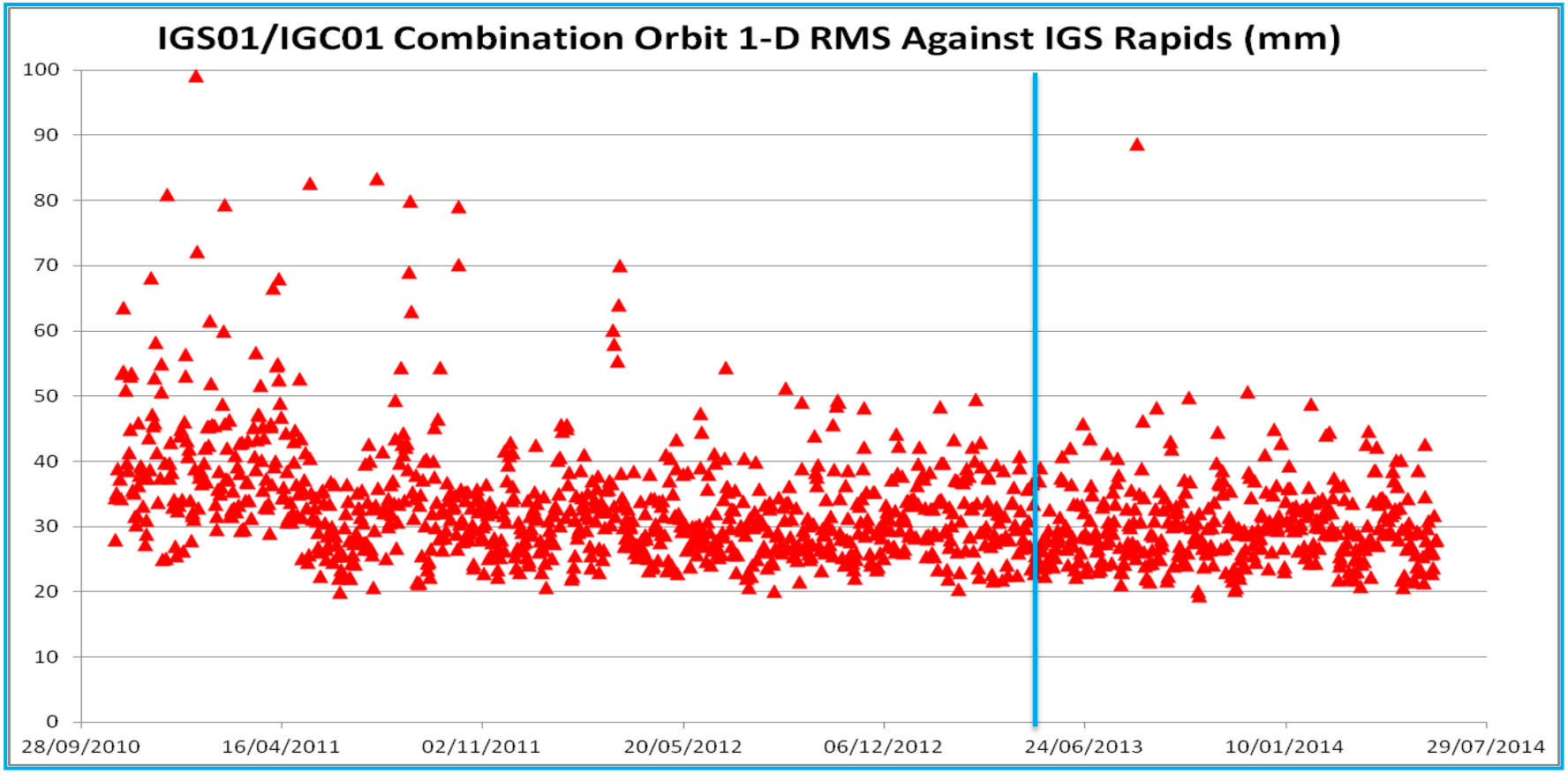


- IGS01/IGS02
- IGS03

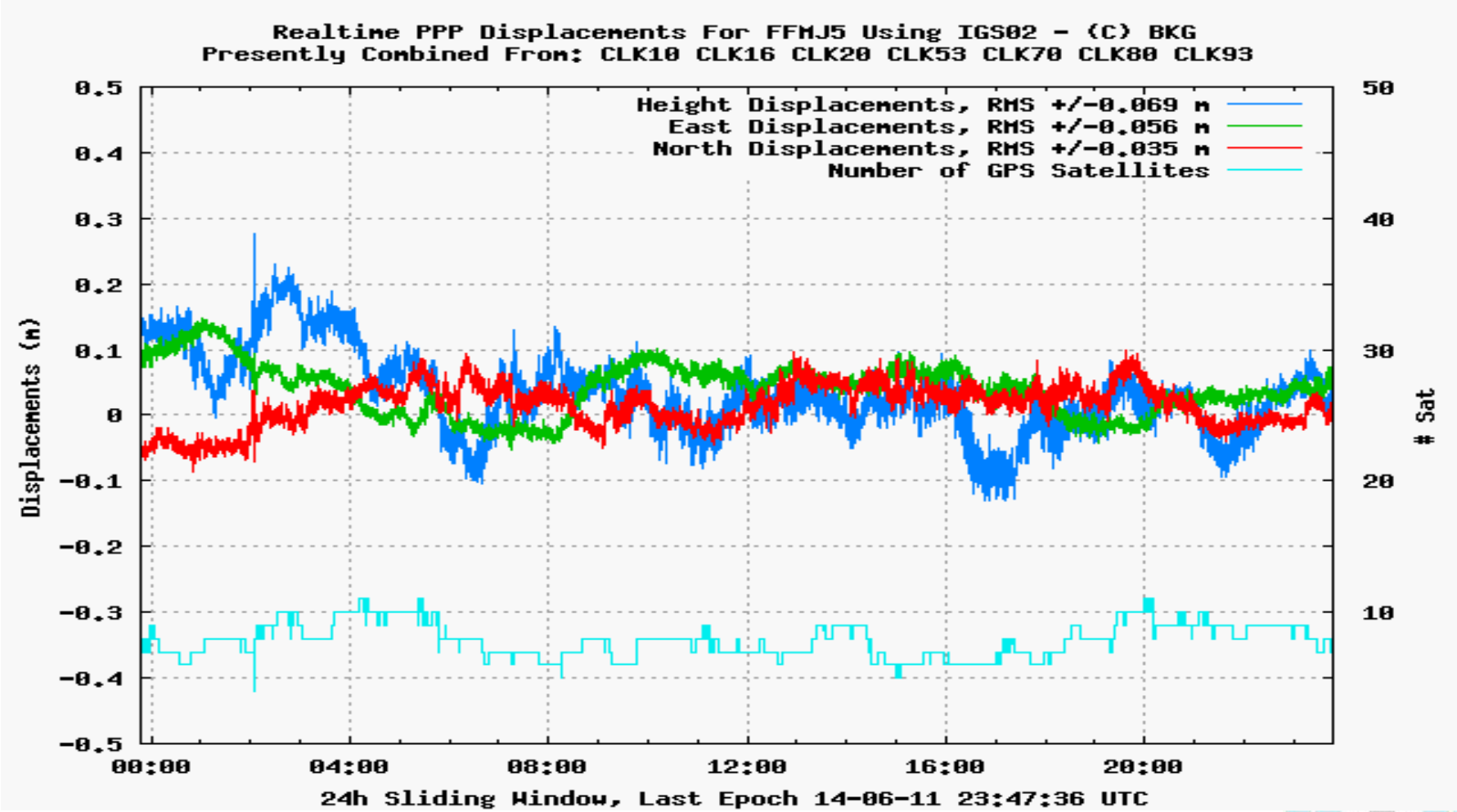
RT-Clock Precision



RT-Orbit Accuracy



PPP Results – IGS02



Recent Developments and Next Steps

- 390+ users now registered at the CB caster
- ACC is monitoring IGS03 in both orbit and clock domain using ESA rapid solution for comparisons
  - several issues were uncovered and have been resolved
  - occasional discontinuities at the few ns level showing up in GLONASS clock comparisons (further details in RTS poster)
- Need additional AC's contributing GLONASS clocks
- Experimentation with MGEX:
  - add Galileo, Beidou, QZSS? SSR formats for these are at the proposal stage, but IGS ACs could contribute in the SSR testing phase