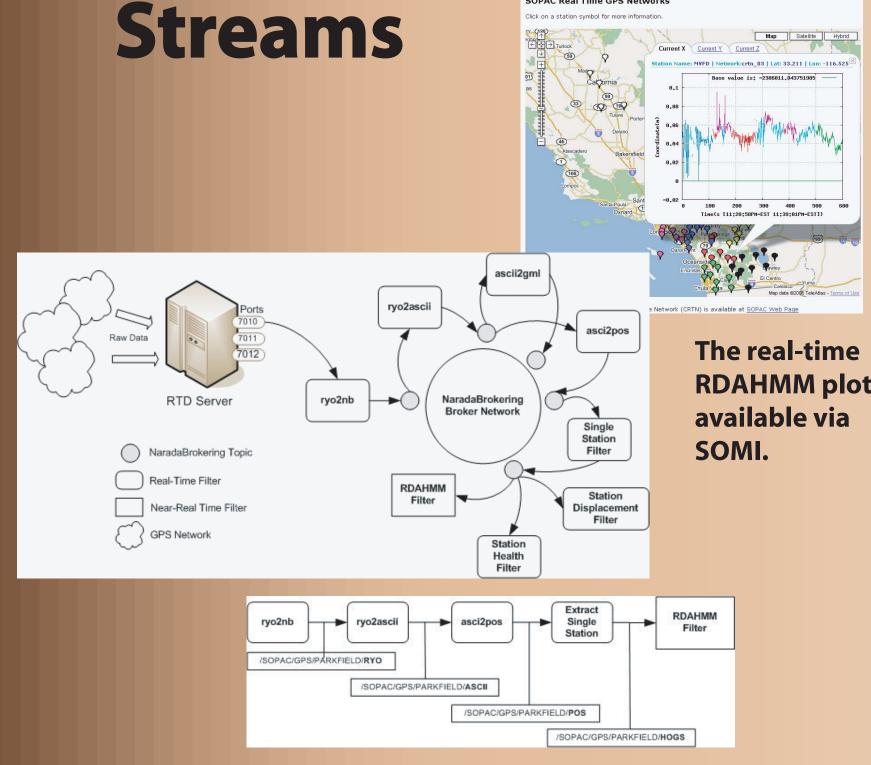


4b. Application Integration with Real-Time Filters for GPS Streams Current X Current Y Current Z



Earth Science Community IT Resources through a Unified Data Analysis and Modeling Portal

2. This includes access to our archive, an extensive Community Resource with data and data products

SOPAC Archive

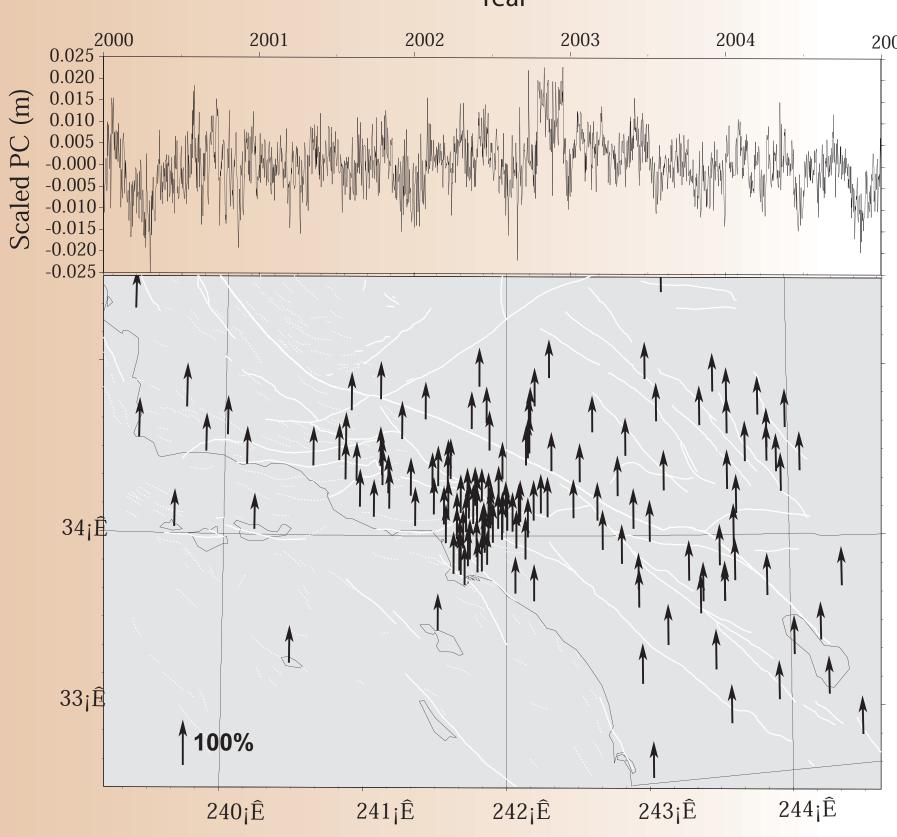
1800 CGPS sites/metadata archived daily ncluding all PBO and many CORS

- ~ 75% in Western Hemisphere
- ~85 sites streaming @ 1 Hz (CRTN)
- ~ 3M ftp retrievals/month/~ 1 Hz (1 file/s)

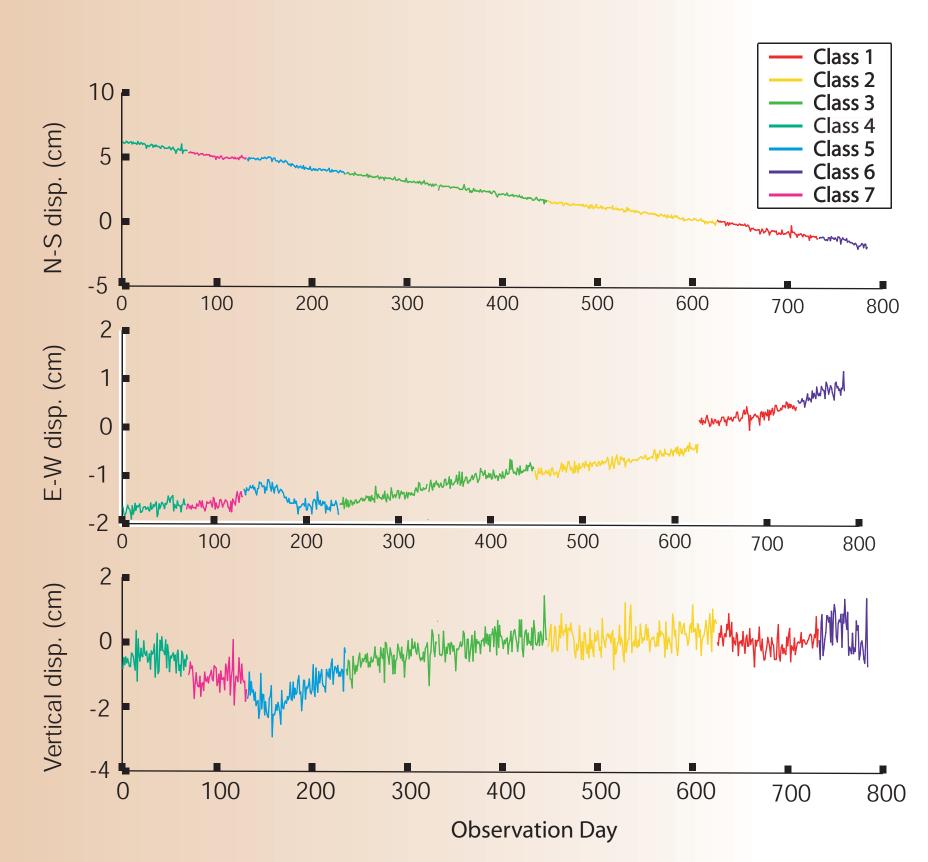
All CGPS data and data products collected since early 1990's on-line

2. On-line Map Server/Client, linked to GIS Database and Resources 3. GPS Explorer Data Portal **Đ** extensible to display and manipulation of heterogeneous

4c. On-the-fly Modeling



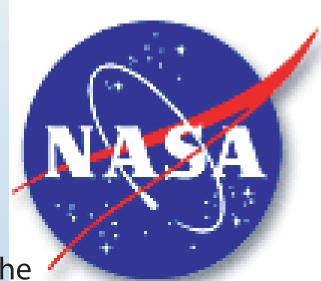
st filter Principal Component (PC) Analysis of common-mode error in vertical component. The arrows represent the element values of the normalized eigenvectors. The up and down arrows represent positive and negative responses to the scaled PC. Time variations are in upper panel (solid line) and normalized spatial eigenvectors are in lower panel.



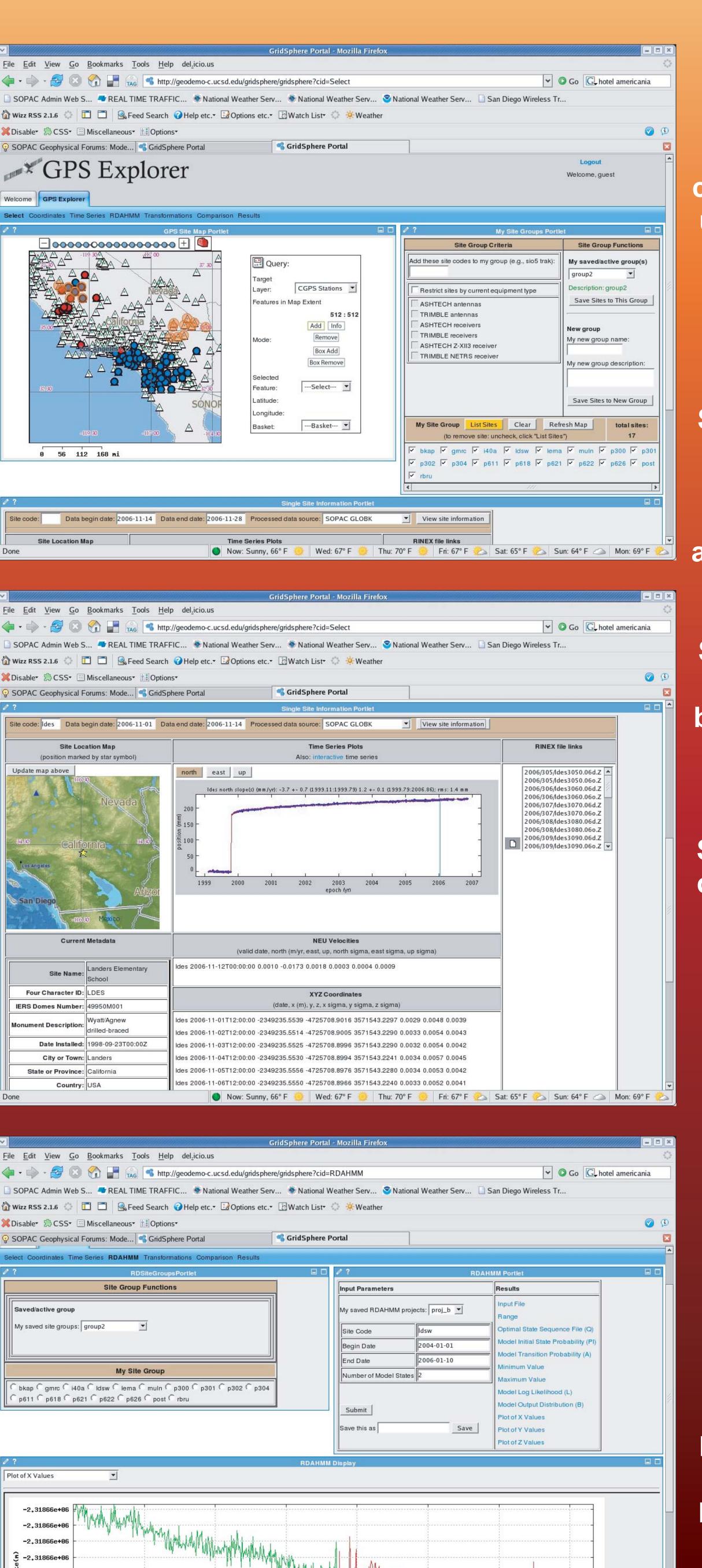
RDAHMM time series segmentation results for SCIGN GPS data collected in Claremont, CA. The method automatically identifies all of the major modes of the system. This capabilitvis used to identify both real physical events and data anomalies. Archived GPS data can be augmented by notation of these behavior modes.

5. Users get logins to the portal where they can select, explore, and model the data products and save their results for future sessions.

2.31866e+06



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Combines Geospatial Data with Time S eries

Inter-portlet communication used to pass information

Clicking on site in SOMI shows information and adds site to analysis group

Site S election using bounding box, metadata criteria, etc.

Selected sites can be saved and passed on to other portlets for processing

Linked with Geophysical Modeling Applications Allowing Direct Interaction between Modeler Data P rovider via Data Analysis Modeling Portal

Tool development, implementation, and output functions are being extended.

🕒 🕙 Now: Sunny, 66° F 🥺 🛛 Wed: 67° F 🌞 🛛 Thu: 70° F 🌞 🛛 Fri: 67° F 🖄 Sat: 65° F 选 Sun: 64° F 🚄 Mon: 69° F 🕴