

**NOAA, National Geodetic Survey
HEIGHT MODERNIZATION COORDINATION MEETING
Draft Notes**

Date: Thursday, June 9, 2011

Attendees:

Call-ins from: AK (Pat Kalen), CA, (John Canas, IL (Sheena Beaverson and Mike Blumhoff), KY (Danielle Kelly and Dan Farrell), LA (Tony Cavell), NC (Dave Zilkoski), NM (Earl Burkholder), PA (Brad Foltz), SC (Lew Lapine), TX (Greg Hauger and Gary Jeffress), WI (Dave Moyer), NGS (Vicki Veilleux, Dan Winester, Dan Callahan), USACE (Mark Huber), USGS (Jim L, Larry Moore)

Silver Spring: NGS (Juliana Blackwell, Renee Shields, Steve Vogel, Ross Mackay, Dave Doyle, Sonita Tiwari, Gilbert Mitchell, Galen Scott, Jonetta Johnson); CO-OPS (Tom Landon)

Advisors/Coordinators: Brian Ward (AR), Dave Minkel (AZ), Marti Ikehara (CA), Dave Newcomer (FL), Chris Pearson (IL), Monroe Rivers (KS), Dave Rigney (MI), Dave Conner (OH), Curt Smith (ID/MT), Scott Lokken (NC), Bill Stone (NM), Mark Armstrong (OR), Dan Prouty (TX), Dave Steele (WA), John Ellingson (WI)

NGS/CO-OPS Project Activities

Geoid slope validation survey (Renee Shields, Dan Prouty)

NGS is continuing to install monuments along the survey route; many have been installed already, and about 60 more will be installed. Work is progressing to install a CORS at Mission Aransas near the Rockport NOAA tide gauge. Coordination with TX-DOT will allow NGS to use their RTN, and Texas A&M Corpus Christi may loan some receivers for field work. A LiDAR survey component has been added to the project, and there may be a potential to select sites on the survey route near USGS stream gages.

Southern Louisiana 2010 Height Modernization project (Shields)

The processing of vectors is done, and the adjustment process should have begun. The plan is to complete the horizontal/ellipsoid part of project add the information to database in time to be included in the National Adjustment of 2011.

National Adjustment of 2011 (Shields)

Dale Purcell is helping with software for the National Adjustment of 2011. A FAQ page will be released very shortly; check back through the adjustment announcement on the home page of the NGS website.

CO-OPS: Barbuda and Caribbean (Landon)

There is a crew on site in the island of Barbuda in Caribbean establishing new sea level station, and the data should be available online in about 1 – 1.5 months. There will be no CORS site, although it was in the original design plan. Direct level lines will be completed and a GPS static observation on at least one mark.

CO-OPS: Mobile Bay, AL (Landon)

In the near future, 3 water level stations will be installed in Mobile Bay for a storm surge project. It is a collaborative project with Mobile County to create a storm surge network and feed data into an emergency management system to prepare for hurricanes, storms, mitigation, etc.

**Gary Jeffress added that National Science Foundation is having 53 stations for GPS about the Caribbean. It is called Coconet. There is a possibility to integrate new tide station at Barbuda with that network.*

NGS Outreach/Education

Complete list below, but highlights include:

1. Two day workshop in New Orleans on GNSS Heights and Real Time (June 20-21)
2. ACSM & Survey Summit with numerous NGS presentations and FGCS meeting (July 7-15)
3. LiDAR Workshop and possible Height Modernization Partner meeting in Silver Spring around Aug 18 - more details to come soon. Anticipate having NGS-Remote Sensing Division, USGS, FEMA and Height Mod partners involved. Feedback to support the planning and focus of the workshop is welcome.

Updates from States – e.g. outreach, projects

TX (Jeffress)

Work is continuing with establishing tide stations near Galveston and at Pleasure Pier. Current status is waiting on equipment (e.g. brackets) to help install GPS, antenna, etc.

IL (Beaverson)

Remote sensing expert Dr. Donald Lumen spoke at National Map Users Conference in May comparing airborne LiDAR elevation data and USGS National Elevation dataset applied to regional and large scale geologic map applications. It was an invited presentation and well-received

Monthly presentation

Presentation, to start at approximately 2:30 PM: **Network of Sea Level Rise Sentinel Sites within NOAA's National Estuarine Research Reserves (NERRS)**

Galen Scott, National Geodetic Survey

Mr. Scott leads the NGS Ecosystem and Climate Operations (ECO) Team at NGS, and he will discuss ongoing efforts to establish sentinel sites to monitor sea level rise within NERRS. Fundamental to this project is establishing high accuracy, local geodetic and tidal control at each site.

If you thought of any questions after the meeting, or were unable to attend but have questions after viewing the presentation, please contact Galen Scott (Galen.Scott@noaa.gov).

You will find the presentation linked to the schedule at:

<http://www.ngs.noaa.gov/heightmod/Presentations/HeightModMonthlyMeetingSchedule.pdf>

Other Business

Important Links:

Previous months' meeting notes and a list of future meeting presentations can be found at:
<http://www.ngs.noaa.gov/heightmod/MeetingNotes.shtml>

Next meeting: Thursday, July 21, 2010; 2:00-3:30 East Coast Time

Note future meeting changes:

- **July 21 – replaces the July 14 meeting which conflicts with the ESRI conference**
- **August 11 – cancelled for summer break**
- **September 8 – resume regular schedule of 2nd Thursday every month**

Recent Past Events

May 24-26, Corbin, VA – Geodetic Digital Leveling

May 26, Webinar – Modernization of the National Spatial Reference System

May 26, La Jolla, CA – at Scripps Institution of Oceanography, California Spatial Reference Center semi-annual Coordinating Council Meeting

Upcoming Events

June 14-16, Gallup, NM – Leveling workshop

June 20-21, New Orleans, LA – GNSS Heights and Real Time national meeting

July 7-15, San Diego, CA – ACSM sponsors Survey Summit in conjunction with ESRI

Mid-July, date TBD, Webinar – Geodetic and Tidal Vertical Datums

July 11, San Diego, CA – FGCS semi-annual meeting

July 11-12, San Diego, CA – OPUS Projects Manager Training

July 17-21, Chicago, IL – Coastal Zone 2011

August 18, Silver Spring, MD – Lidar/National DEMs forum (details in development)

August 19, Silver Spring, MD – National Height Modernization Partner meeting