

Federal Geodetic Control Subcommittee Update to Coordination Group



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Subcommittee Chair

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October 11, 2016

Topics

- ❖ FGCS Membership
- ❖ Information on New Datums
- ❖ Geodetic Control Theme Personnel
- ❖ Dataset Updates
- ❖ Recent Theme Activities
- ❖ FGCS Meetings
- ❖ Next Steps

FGCS Membership

This subcommittee coordinates geodetic data-related activities among 24 Federal and non-Federal agencies and will report its activities to FGDC.

<http://www.fgdc.gov/participation/working-groups-subcommittees/fgcs/directory>



Information on “New Datums”

geodesy.noaa.gov/datums/newdatums/

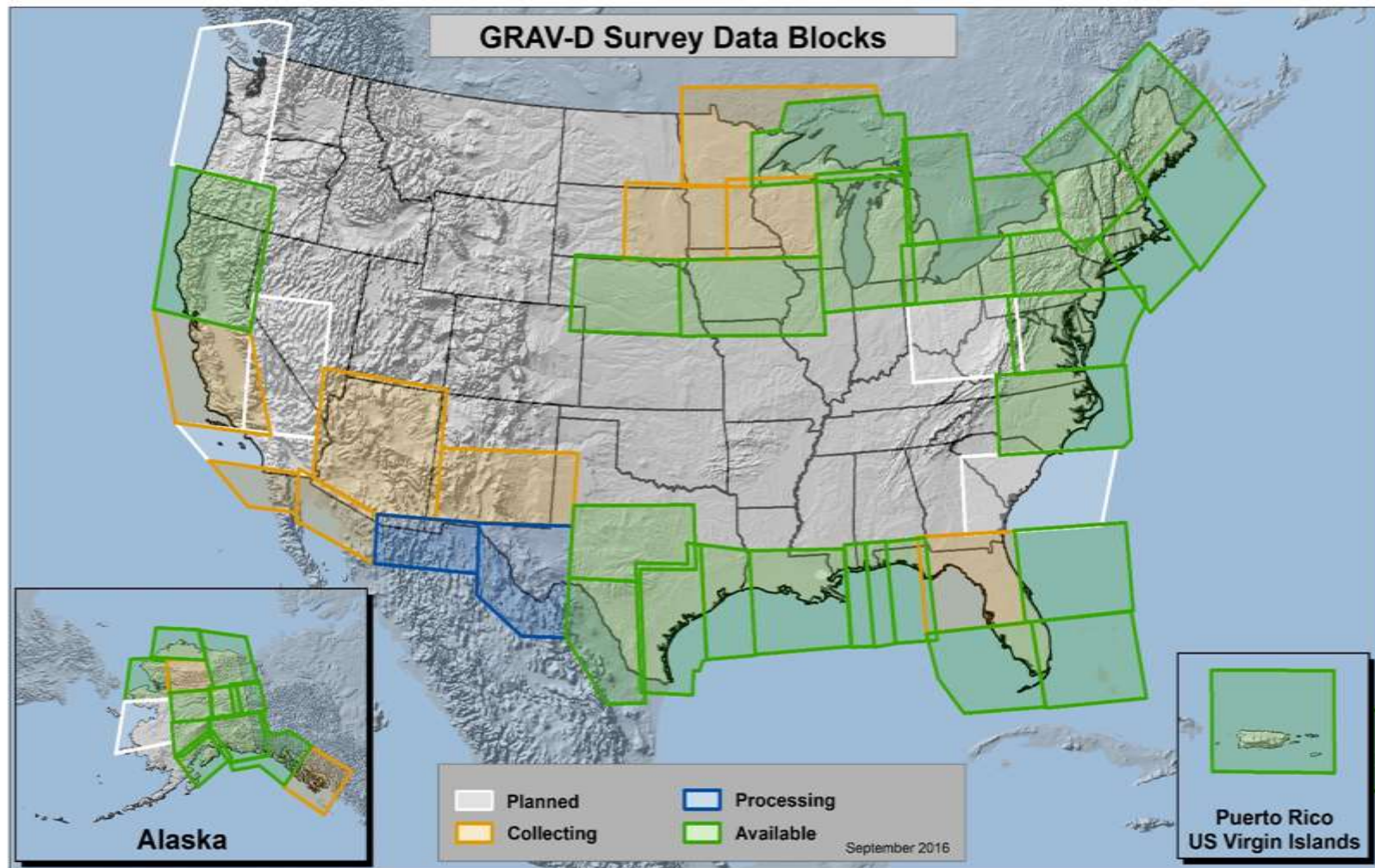
- ❖ What to expect
- ❖ How to prepare
- ❖ Track our progress
- ❖ Related projects
- ❖ Educational videos
- ❖ Learn more
- ❖ FAQs
- ❖ Contact us
- ❖ Sign up for updates

The screenshot shows the NOAA National Geodetic Survey website page titled "New Datums". The page includes a navigation menu with links for "NGS Home", "About NGS", "Data & Imagery", "Tools", "Surveys", "Science & Education", and a search bar. The main content area features a globe graphic and a section titled "Replacing NAVD 88 and NAD 83" with a date of "October 4, 2016". Below this is a "What to Expect" section with several buttons: "What to Expect", "Get Prepared", "Related Projects", "Track Our Progress", "Watch Our Videos", and "Learn More". There are also sections for "New Datums Quick Links", "Events", and "FAQs". The footer contains the website owner information and a list of links: "NOS Home", "NGS Employees", "Privacy Policy", "Disclaimer", "USA.gov", "Ready.gov", "Site Map", "Contact Webmaster", and "Contact Us".

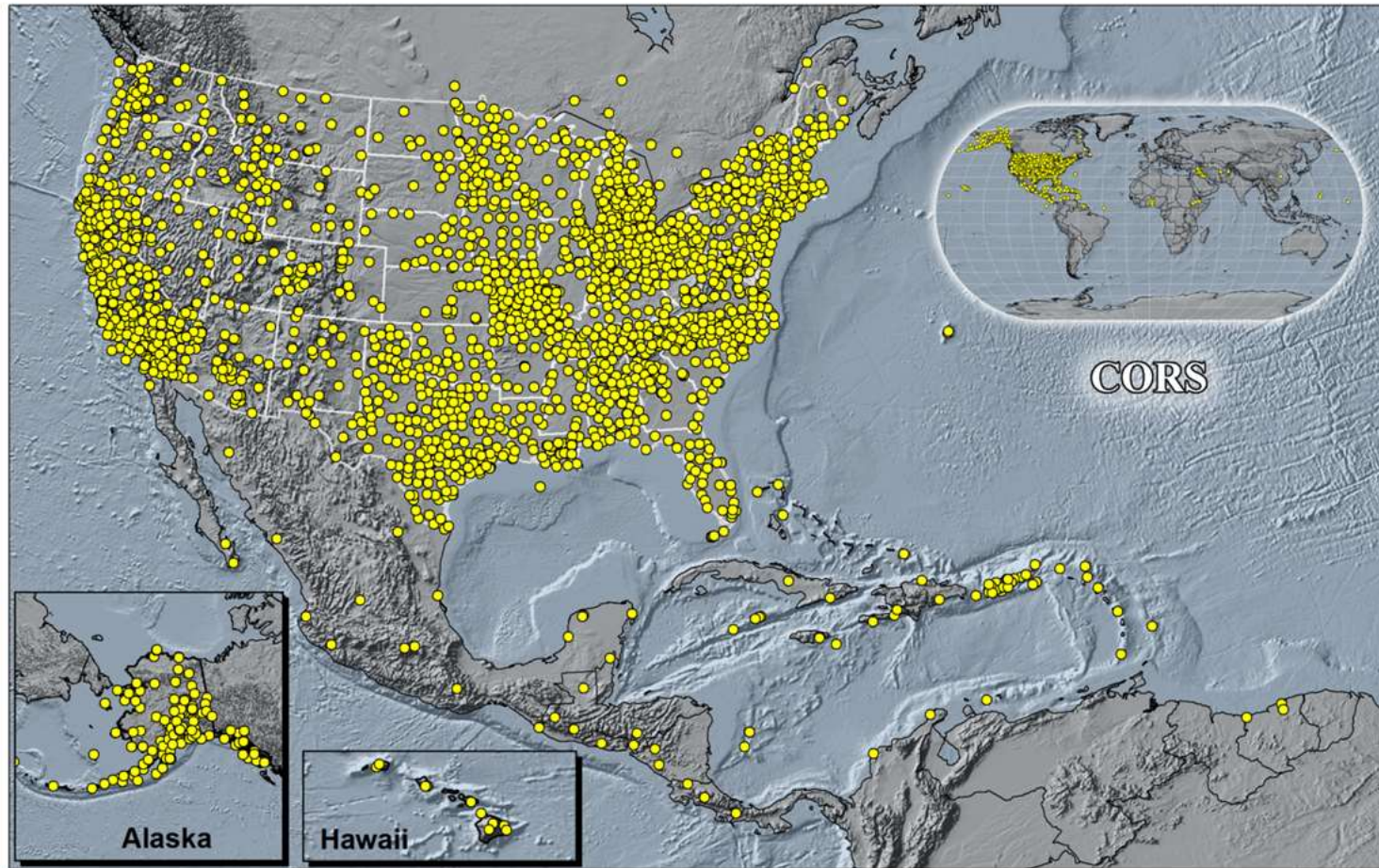
Geodetic Control Theme Leadership

- ❖ FGCS Subcommittee Chair and Executive Champion
 - Juliana Blackwell, Director, National Geodetic Survey (NGS)
- ❖ FGCS Secretariat
 - Brian Shaw, NGS
- ❖ Theme Lead
 - Dan Roman, NGS
- ❖ Data Sets and Managers
 - Airborne Gravity – Monica Youngman, NGS
 - Continuously Operating Reference Stations (CORS) – Giovanni Sella, NGS
 - Geoid Models – Yan Wang, NGS
 - Geodetic Control Information on Passive Marks – Krishna Tadepalli, NGS

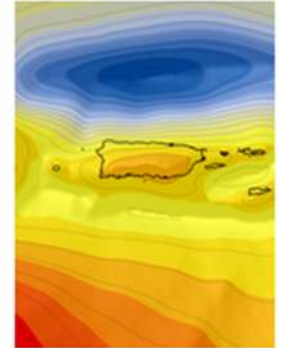
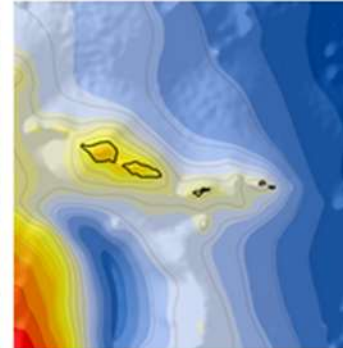
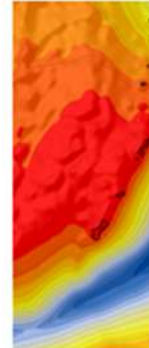
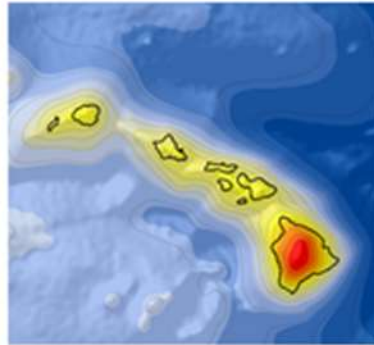
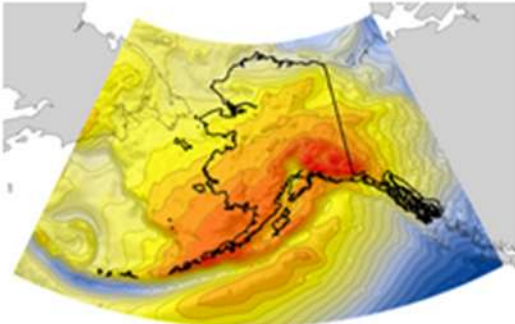
Geodetic Control Datasets – Airborne Gravity



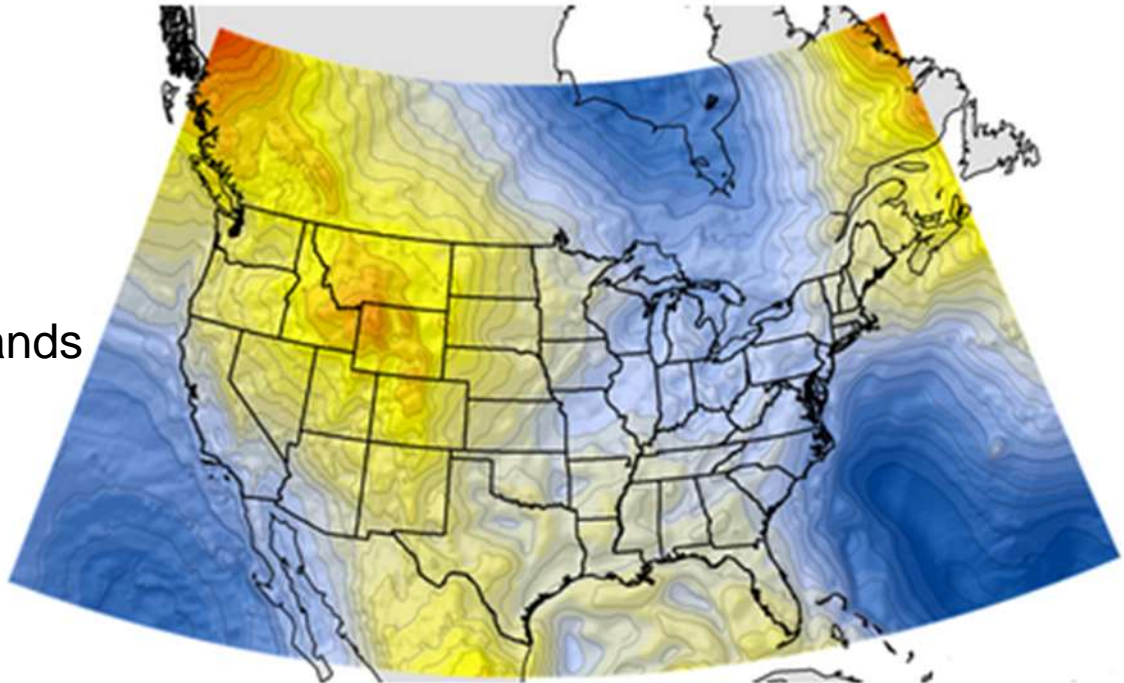
Geodetic Control Datasets - CORS



Geodetic Control Datasets – Geoid Models

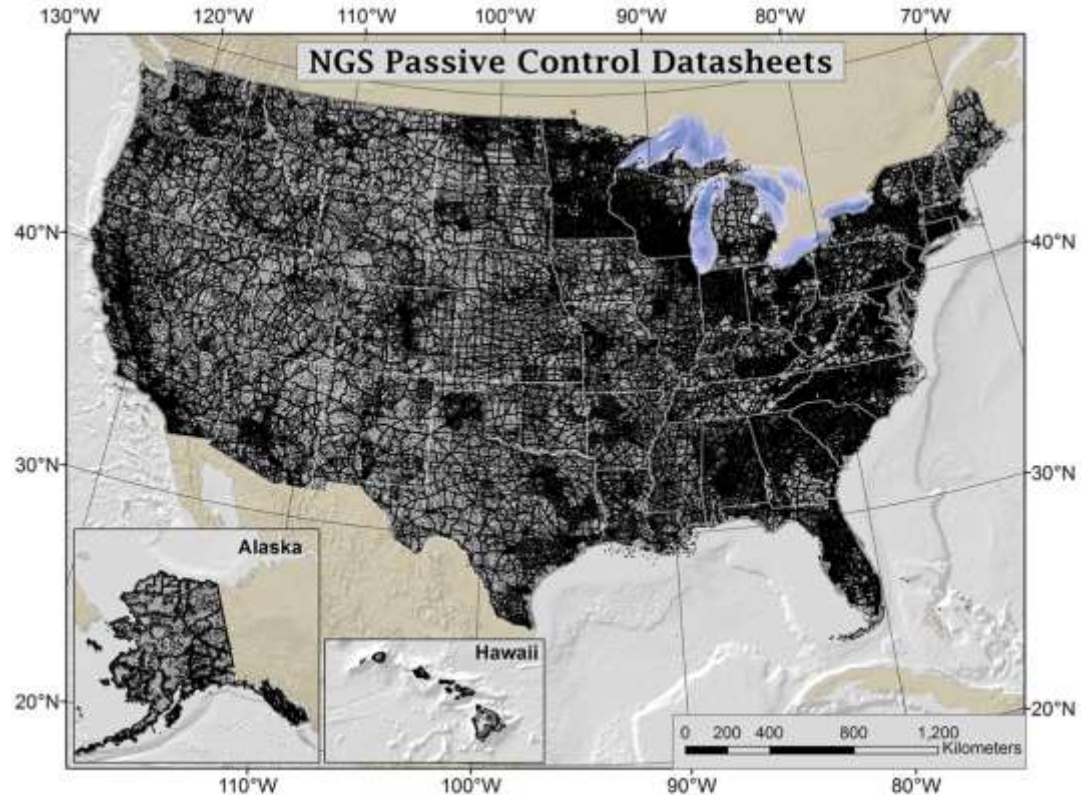


CONUS
Alaska
Hawaii
American Samoa
Puerto Rick & US Virgin Islands
Guam and Northern Mariana Islands



Geodetic Control Datasets – Passive Marks

The screenshot shows the NGS Survey Marks and Datasheets website. The header includes the NGS logo and navigation links: NGS Home, About NGS, Data & Imagery, Tools, Surveys, Science & Education, and a search bar. The main content area is titled "Survey Marks and Datasheets" and "National Geodetic Survey". It features several sections: "Finding Survey Marks and Datasheets" with introductory text; "Select a data format:" with options for Datasheets and Shapefiles; "Select a retrieval method:" with options for Interactive Map, Archived Control, and Search By; and "Mark Recovery" with instructions on how to find or recover a survey mark. A "Tidal Bench Marks" section is also present. The footer contains copyright information and a list of links.



Over 780,000 geodetic control datasheets

Recent Activities

- ❖ NGDA Strategic Plans for datasets complete (June)
- ❖ NGS hosted a five day Airborne Gravimetry for Geodesy Summer School (May)
 - Brought together experts from around the world to share knowledge on collecting and processing airborne gravity
- ❖ NOAA navigation services offices met with Cuba (June)
 - Worked to identify priority activities for cooperation in hydrography and geodesy
- ❖ Planning for 2017 Geospatial Summit on April 24-25
 - To be held in Silver Spring, MD
- ❖ Planning for 2017 Geoid Slope Validation Survey
 - Survey will take place in Colorado (Summer 2017)

FGCS Meetings

- ❖ The last FGCS meeting was August 4, 2016.
 - Personnel changes
 - NSRS modernization efforts
 - NAIP Accuracy and Ground Control Points
 - OPUS-Projects to the IDB

- ❖ The next FGCS meeting will be held in the January 23 - February 3, 2017, timeframe.

Next Steps

In the coming months, the FGCS plans to:

- ❖ Continue to prepare for the new geometric and geopotential datums
- ❖ Plan for next FGCS meeting
- ❖ Continue to inform constituents about the new datums coming in 2022.
 - Hosting another Geospatial Summit on April 24-25, 2017
 - Developing education lessons to help inform the public about geodetic principles.