

Issue 33 July 2023



NSRS Modernization News

For all issues of **NSRS Modernization News**, visit:
geodesy.noaa.gov/datums/newdatums/TrackOurProgress.shtml

Introducing the NSRS Modernization Alpha Site

To provide early access to upcoming, yet incomplete, products of the modernized NSRS, NGS has created the [Alpha NSRS Modernization website](#). That site provides examples of the content, format, and structure of select data and products that NGS plans to release as a part of the Modernized NSRS. Products found on this page are for testing purposes only and do not contain any authoritative NGS data or tools. They are under active development and are subject to change without notice. But early access to alpha products should enable a smoother rollout of the Modernized NSRS. As products are released to this site, NGS will refer to them as being “released to Alpha.”

SPCS2022 Released to Alpha

An alpha version of the State Plane Coordinate System of 2022 (SPCS2022) and its implementation in the NGS Coordinate Conversion and Transformation Tool (NCAT) has been released to the Alpha site. This includes:

- [Alpha SPCS2022 website](#)
- [Alpha NCAT](#) with SPCS2022 conversions enabled
- [Online interactive maps](#) of SPCS2022 zones
- Tables of [zone definitions](#) and [example coordinates](#)
- [Maps](#) of linear distortion with performance statistics
- Updated SPCS2022 [Policy](#) and [Procedures](#)

Alpha SPCS2022 content will be updated and augmented as it evolves toward completion.

Progress in Ongoing Projects

There are currently **32 ongoing projects** related to NSRS modernization around NGS. Here are some highlights.

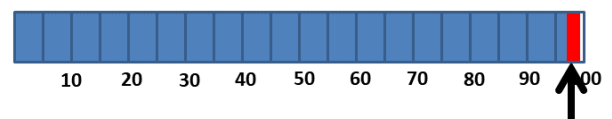
GRAV-D (Project Manager: Jeffery Johnson)

In June of 2023, NGS's Gravity for the Redefinition of the American Vertical Datum (GRAV-D) project completed the airborne data collection effort in the American Samoan and Hawaiian regions. NGS teamed up with NASA Langley Research Center's Research Services Directorate to use their Gulfstream IV jet (Tail # N522NA) for this project. These remote Pacific islands were the largest hurdles for the GRAV-D project to finish before December 2023 so that the geoid team can have a complete airborne gravity data set as they build the North American-Pacific Geopotential Model of 2022 next year.

GRAV-D progress last quarter: **up 2.6% to 99.6%**

Ahead of Schedule!

Recently: American Samoa, Hawaii



Schedule: 97.5%