



NOAA Published Federal Register Notice Announcing the Timeline and Process for the Modernized National Spatial Reference System

NGS News

Federal Register Notice
announces process for transition
to the Modernized NSRS

Learn more about the update and access the FRN

This week, NOAA's National Geodetic Survey (NGS) published a [Federal Register Notice](#) (FRN) to inform the public on the updated timeline and process for rolling out the modernized National Spatial Reference System (NSRS).

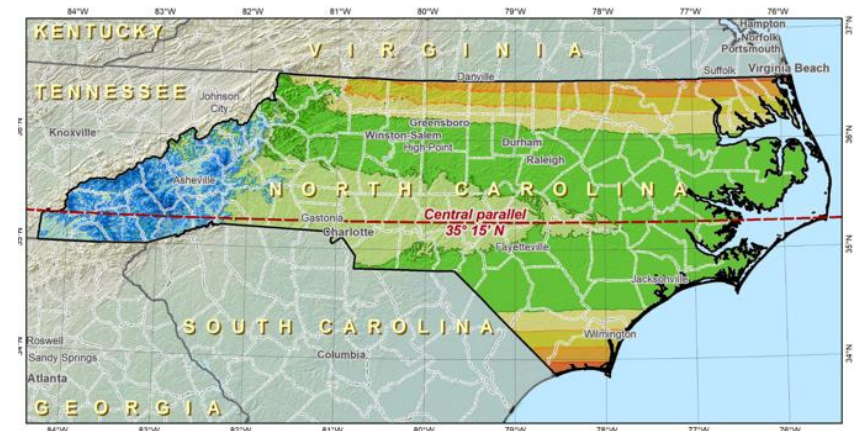
NGS will roll out components of the modernized NSRS overtime (2024–2026) at beta.ngs.noaa.gov, where it can be publicly tested with feedback provided to NGS. The testing will continue for at least 6 months after the final component is released on the Beta website. In 2026, barring any unforeseen issues, the current NSRS will be replaced with the modernized NSRS within a few months of Federal Geodetic Control Subcommittee (FGCS) approval. You can learn more by watching [this webinar](#).

NOAA's National Geodetic Survey
geodesy.noaa.gov



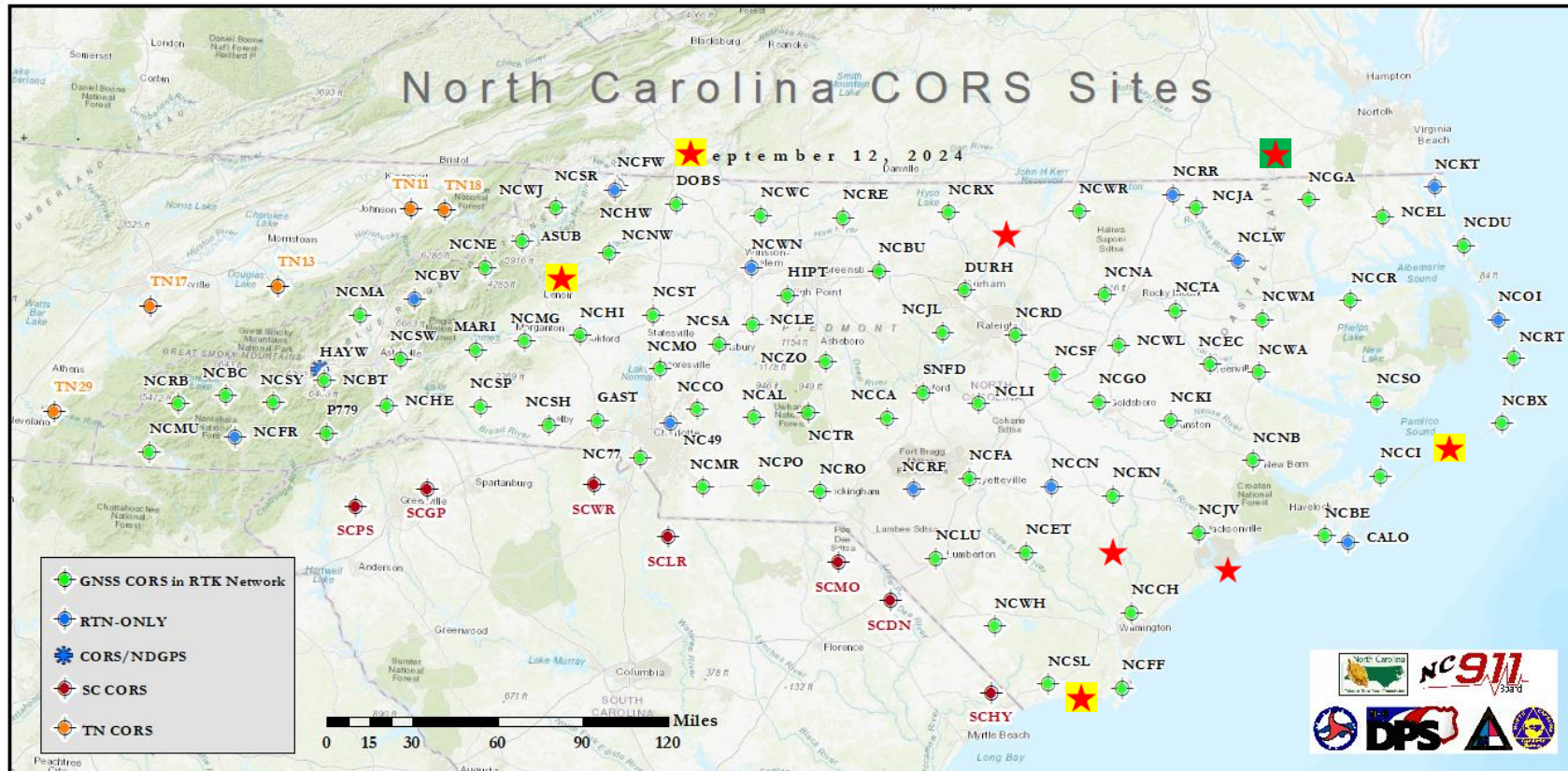
Changes in 2026

- New horizontal and vertical datums
 - North American Terrestrial Reference Frame (NATRF2022)
 - North American-Pacific Geopotential Datum of 2022 (NAPGD2022)
- New state plane coordinate system
 - North Carolina Coordinate System of 2022
- New units
 - International foot
- New tidal datum (after 2027)





North Carolina (NC) Continuously Operating Reference Stations (CORS) Network 2025

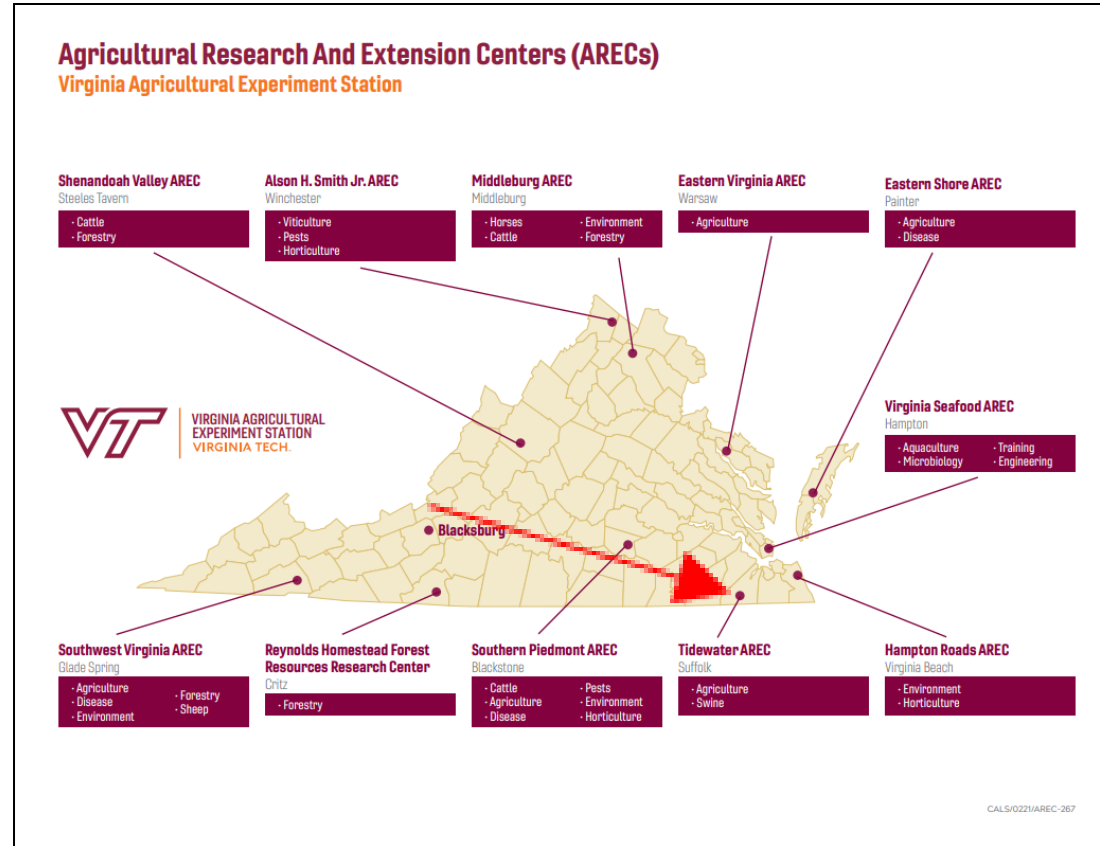


Future CORS location = ★

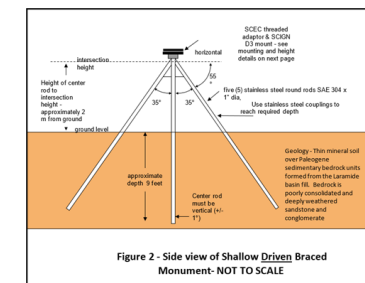
Installed ★

In Progress ★

NC Geodetic Survey-Virginia Tech CORS

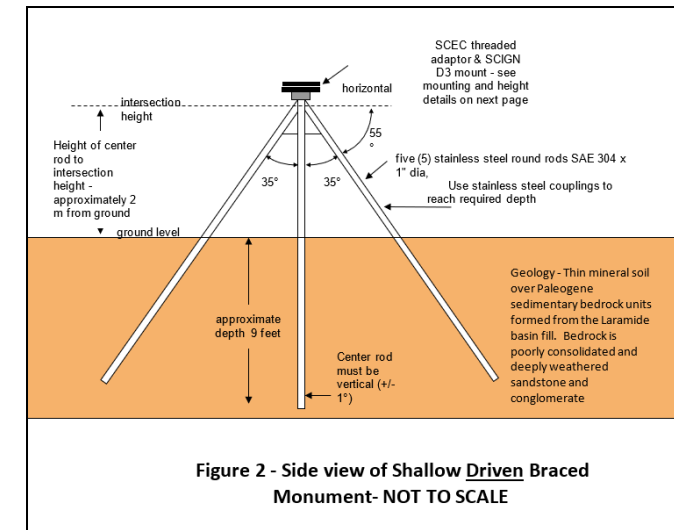


CORS Location



Proposed CORS on Ocracoke Island

- New proposed location (Ocracoke Airport)



Proposed CORS on Oak Island

- Proposed CORS Location at the Oak Island Coast Guard Facility

