

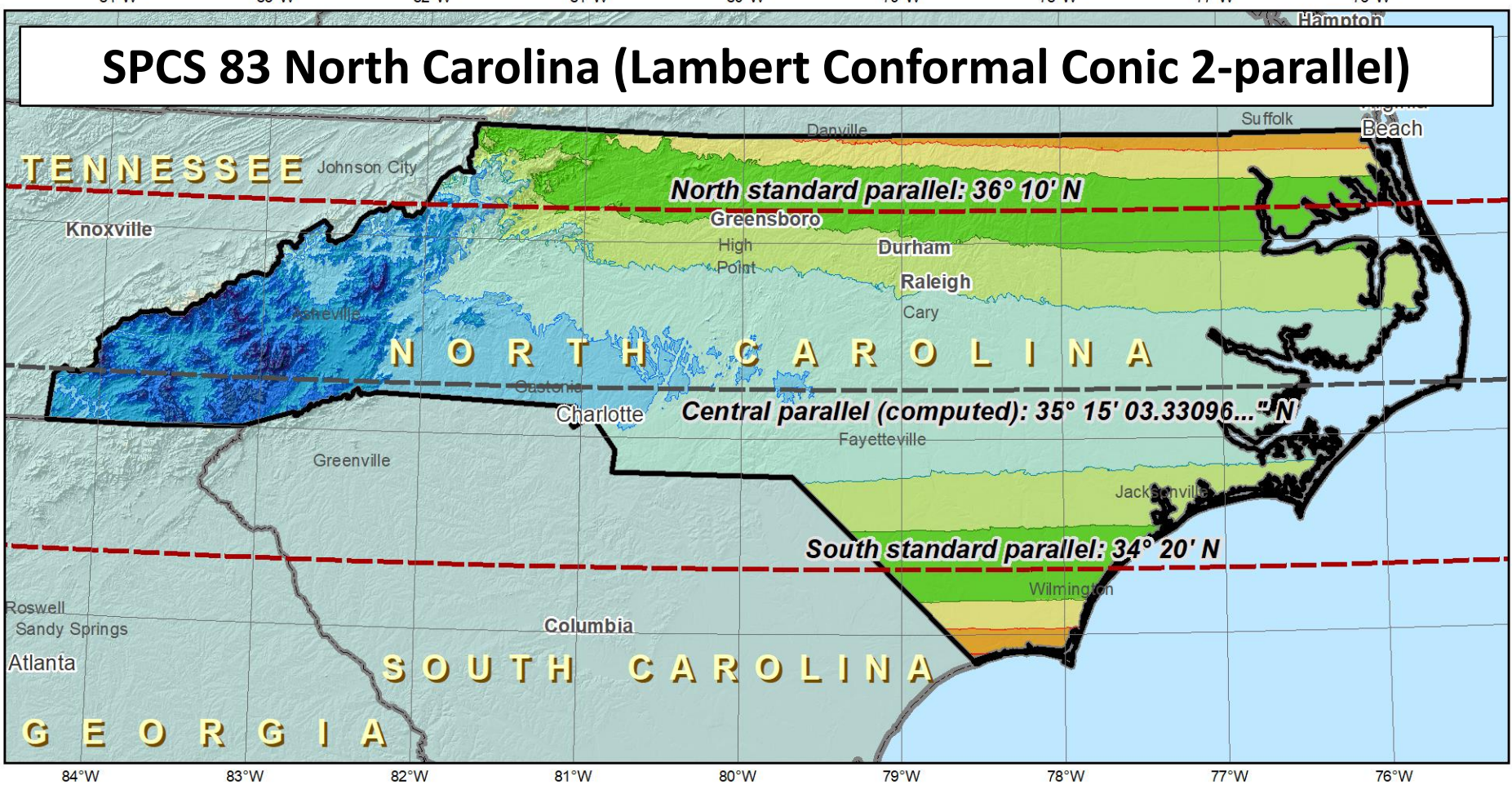
New Datums are Coming in 2022

Our preparations to date include:

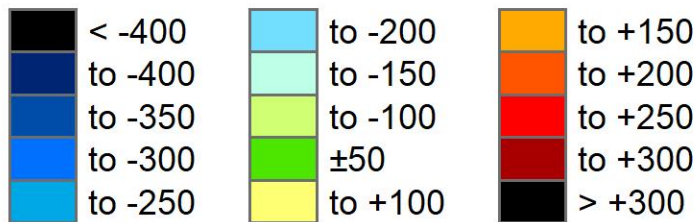
- Created a 2022 Datum Working Group to develop implementation recommendations ✓
- Working with SC Geodetic Survey, SC, NC, and VA Department's of Transportation to develop common implementation plans ✓
- Working with the National Geodetic Survey to complete GRAV-D in North Carolina
 - Collecting terrestrial gravity data ✓
 - Collection of airborne gravity data completed ✓
- Obtaining ellipsoidal heights on NAVD88 bench marks (Height Modernization surveys) ✓
- Collecting statewide LiDAR elevation data (USGS QL1 and QL2) ✓
- Education outreach ✓



SPCS 83 North Carolina (Lambert Conformal Conic 2-parallel)



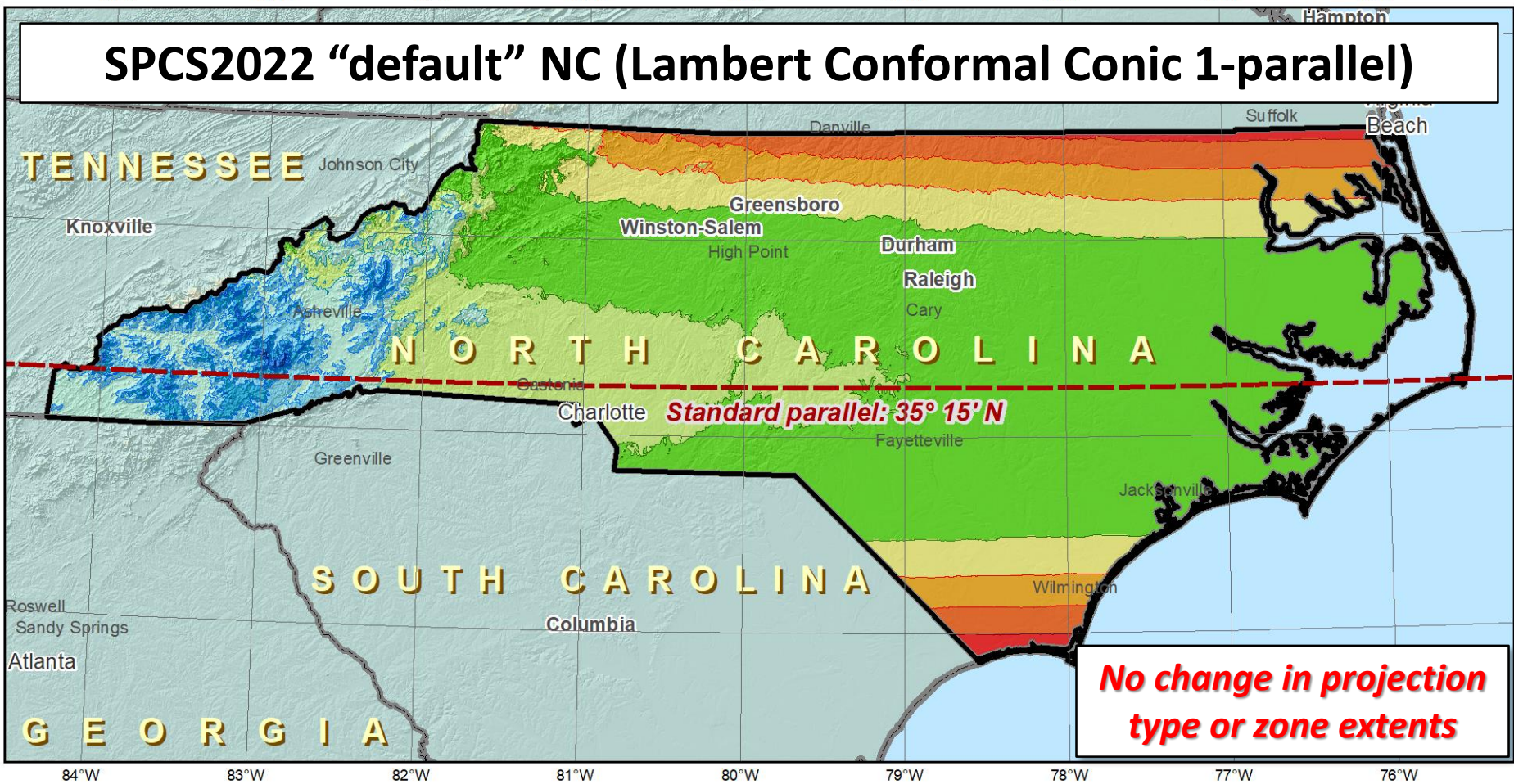
Linear distortion (parts per million)



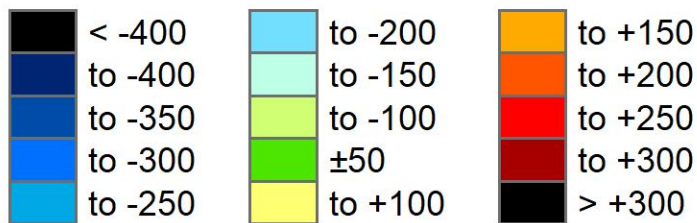
SPCS 83 NC

<i>Central parallel</i>	35°15'06.33...''N
<i>Cen parallel scale</i>	0.9998 7259...
<i>Height (m)</i>	<i>Distortion (ppm)</i>
<i>Min</i>	-41
<i>Max</i>	+176
<i>Mean</i>	-93

SPCS2022 "default" NC (Lambert Conformal Conic 1-parallel)



Linear distortion (parts per million)



	SPCS 83 NC	SPCS2022
<i>Central parallel</i>	35°15'06.33...''N	35°15'N
<i>Cen parallel scale</i>	0.9998 7259...	0.99996
<i>Height (m)</i>		
<i>Min</i>	-41	-325
<i>Max</i>	1939	+263
<i>Mean</i>	197	-5