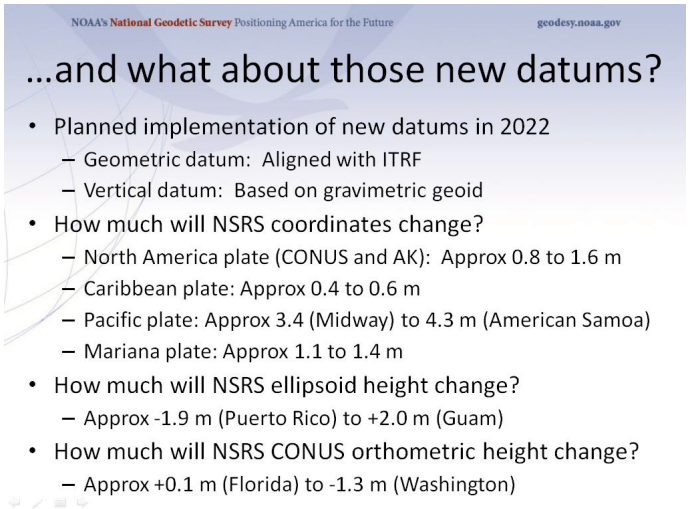
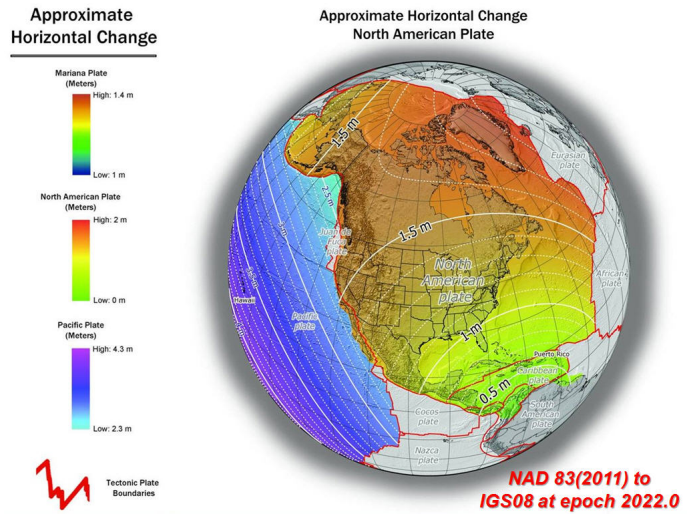
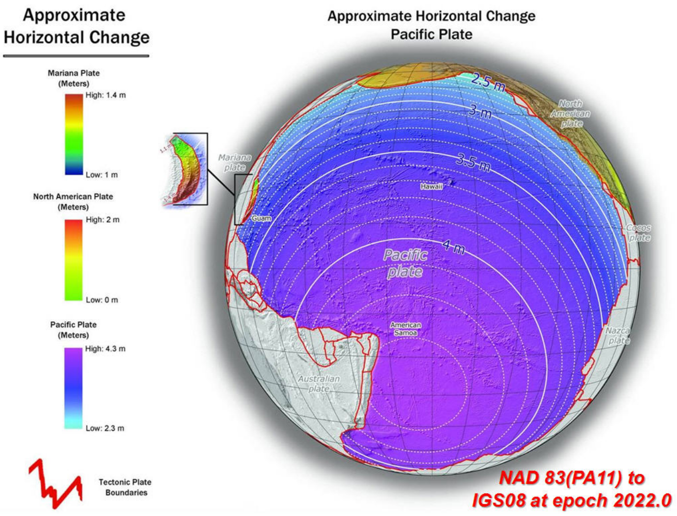
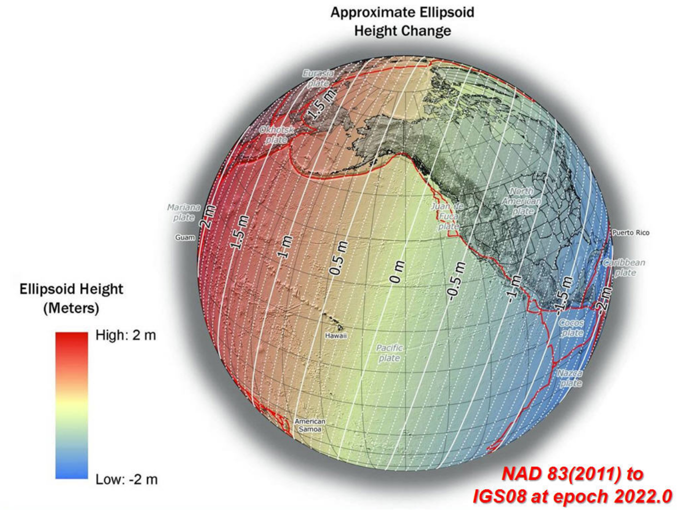
The following images, courtesy of Michael Dennis, NGS show the predicted change from NAD 83(2011/PA11/MA11) to the new geometric datum (represented here by IGS08 at epoch 2022.00). The last image is the predicted change from NAVD 88 to the new vertical datum






Approximate Horizontal Change
Mariana Plate (Meters)
High: 1.4 m
Low: 1 m
North American Plate (Meters)
High: 2 m
Low: 0 m
Pacific Plate (Meters)
High: 4.3 m
Low: 2.3 m
Tectonic Plate Boundaries
Approximate Horizontal Change Pacific Plate
2.5 m
3 m
3.5 m
4 m
Hawaii
Guam
Mariana plate
North American plate
Pacific plate
American Samoa
Australian plate
Nazca plate
NAD 83(PA11) to IGS08 at epoch 2022.0


Approximate Ellipsoid Height Change
Ellipsoid Height (Meters)
High: 2 m
Low: -2 m
Eurasia plate
Okhotsk plate
Mariana plate
Guam
North American plate
Puerto Rico
Caribbean plate
Cocos plate
Nazca plate
Hawaii
Pacific plate
American Samoa
1.5 m
2 m
1 m
0.5 m
0 m
-0.5 m
-1 m
-1.5 m
-2 m
NAD 83(2011) to IGS08 at epoch 2022.0