

# Relief Globe Slides

from the

## National Geophysical Data Center

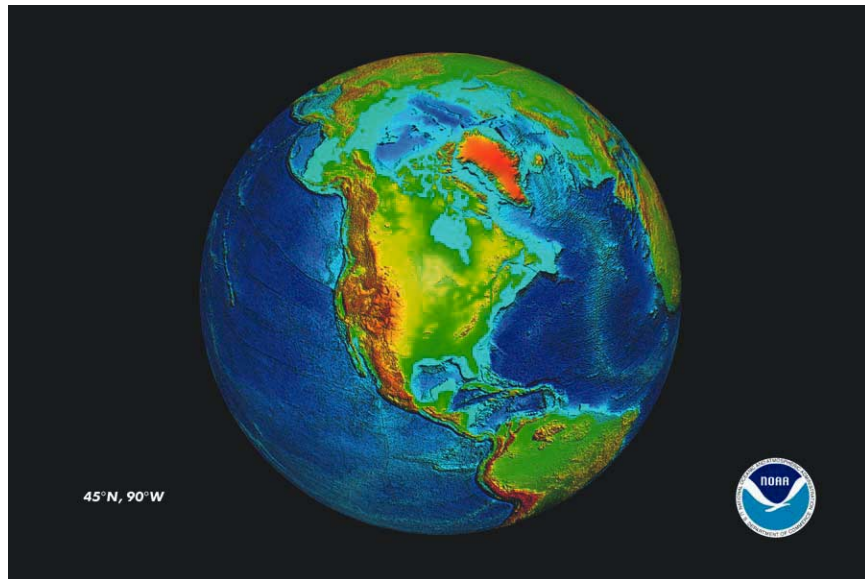
This NEW (March 2000) set of 20 images contains 14 global views of the Earth in full color shaded relief, showing land and undersea topography. The planet is seen from vantage points over the poles and each major ocean and land mass. Also included are rectangular Mercator and Cylindrical-Equidistant projection views of the whole Earth, as well as displays of crustal plates and their relation to world seismic activity. The images are computer-generated from a digital data base of oceanic bathymetry and land topography at a resolution of 3300x2200 pixels. The original data points were spaced every 2 minutes of latitude and longitude; the images represent a reduced resolution of about 5 minutes while preserving all important physiographic features. Other views may be generated on request, either as slides or computer files — see our Web pages or call us if you have special needs.

45°N, 90°W

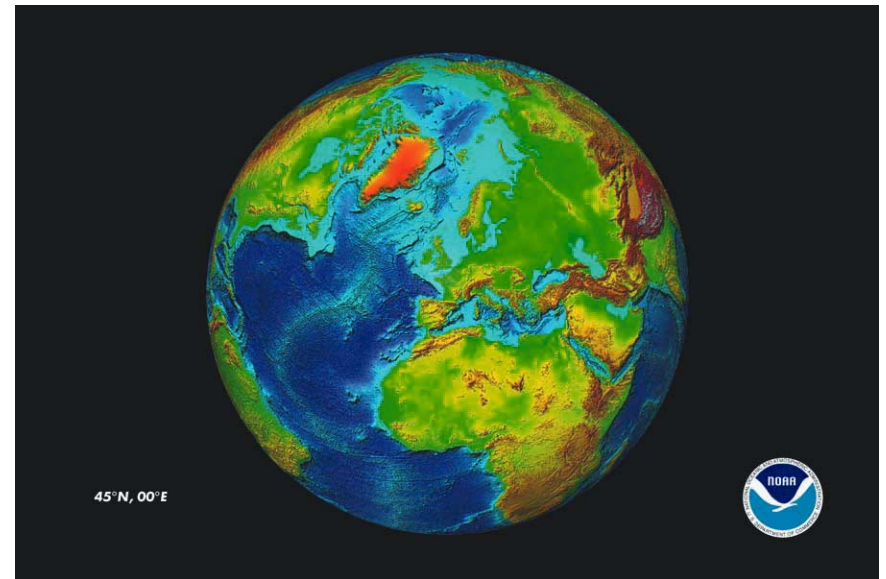


<http://www.ngdc.noaa.gov/mgg/fliers/00mgg04.html>

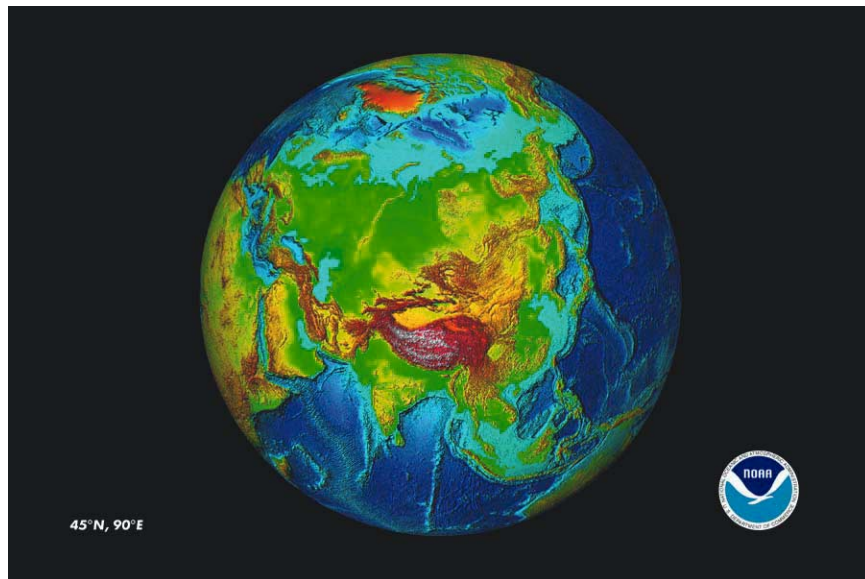
Latitude and Longitude of center of view is indicated on each slide # 1-14. Color-elevation scale is on Slide 16.



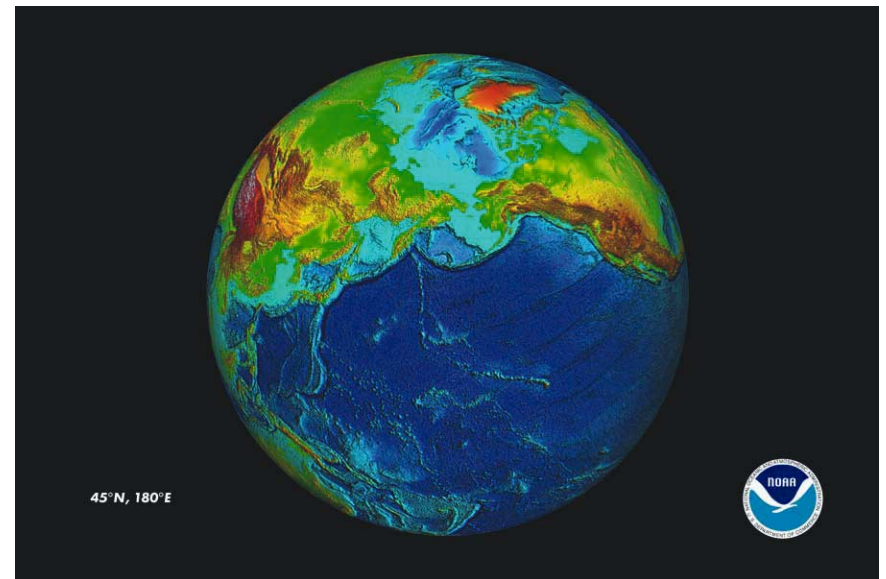
Slide 1



Slide 2

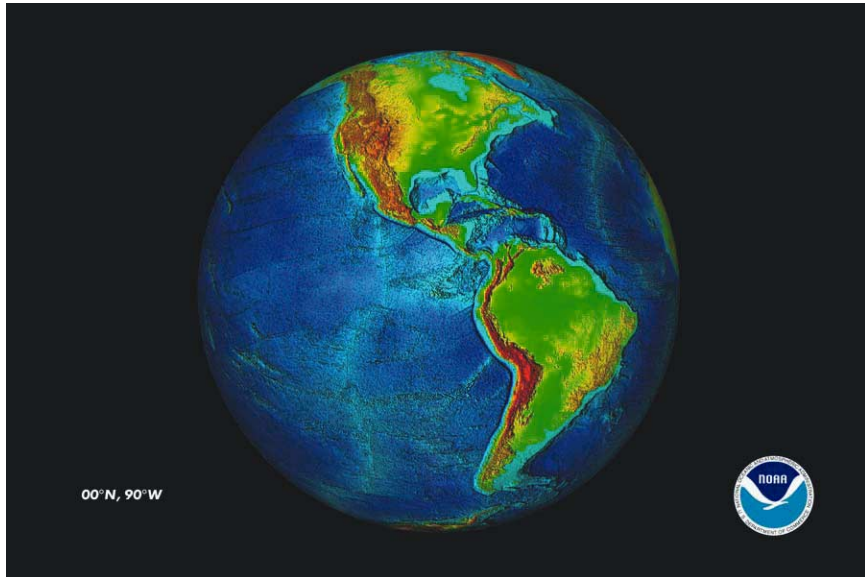


Slide 3

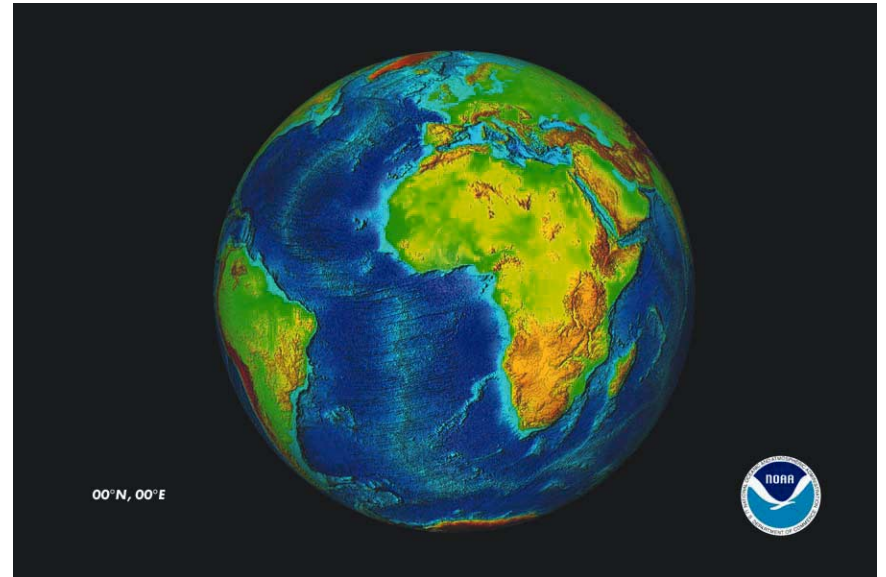


Slide 4

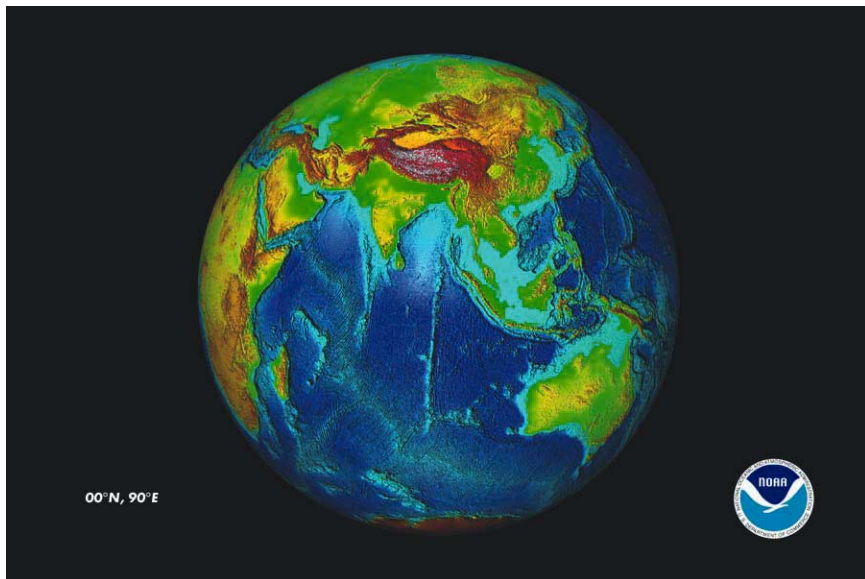
Slides 1-14 show color-coded elevation and ocean depth (topography and bathymetry) and shaded relief on a spherical globe.



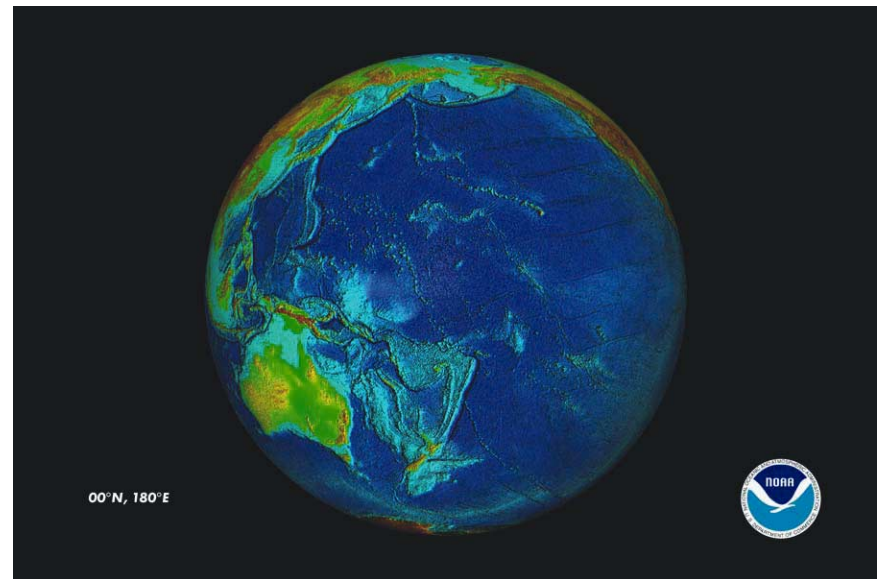
Slide 5



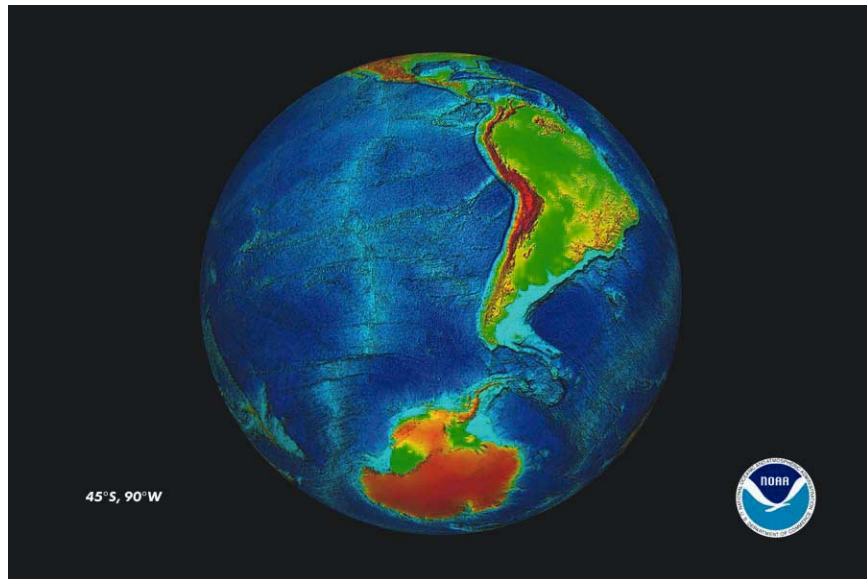
Slide 6



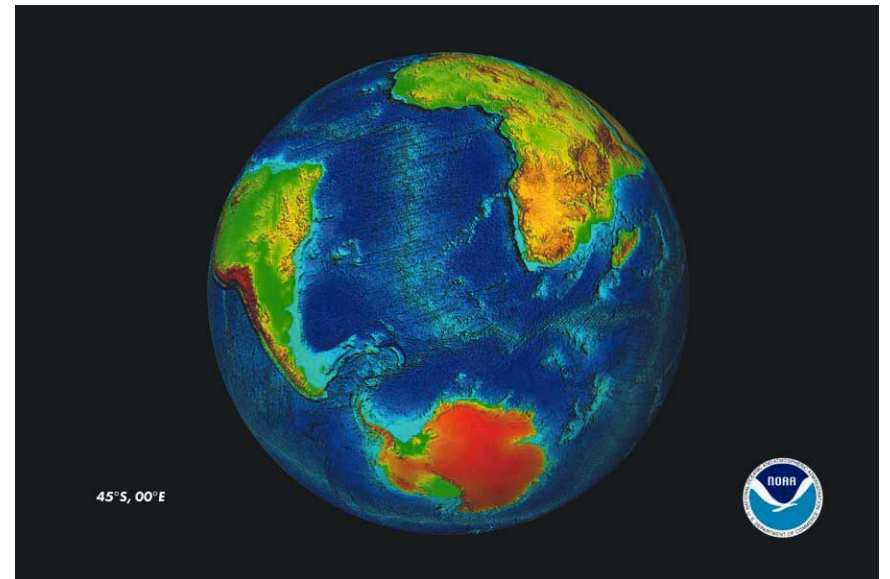
Slide 7



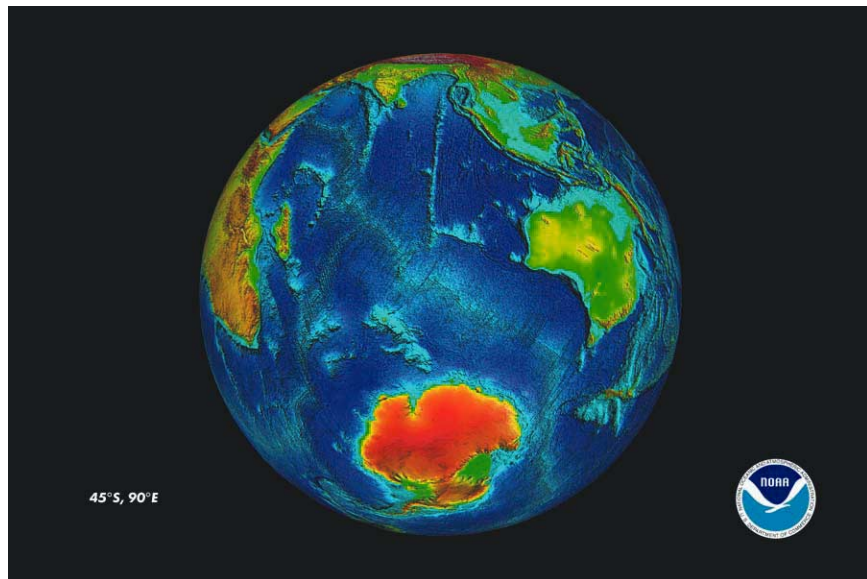
Slide 8



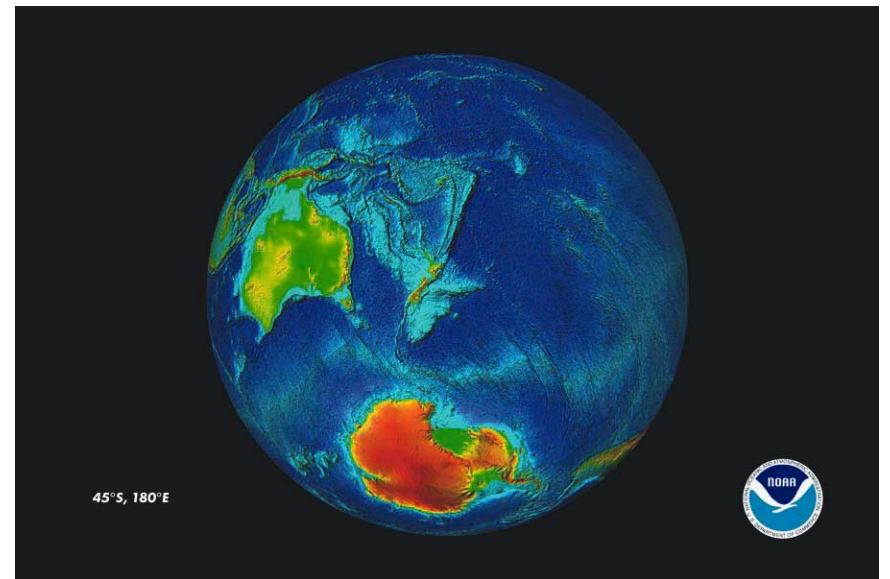
Slide 9



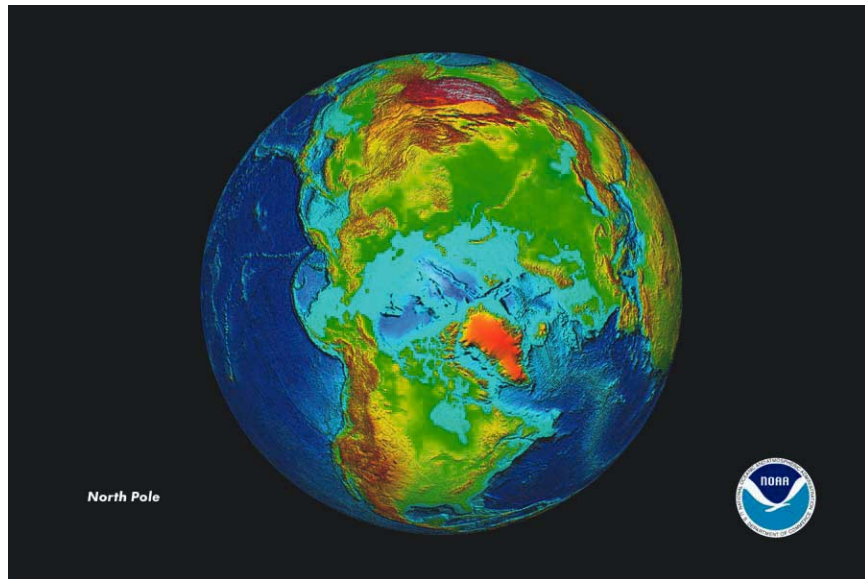
Slide 10



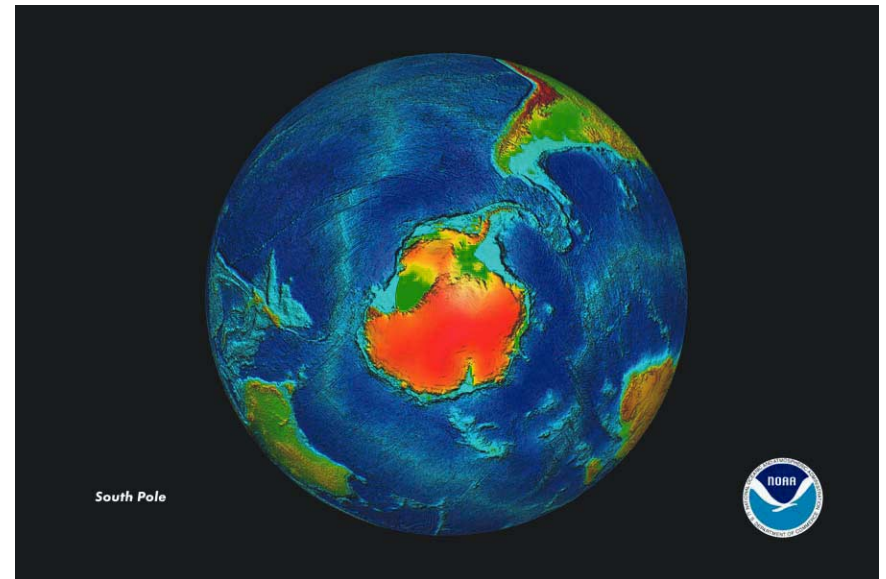
Slide 11



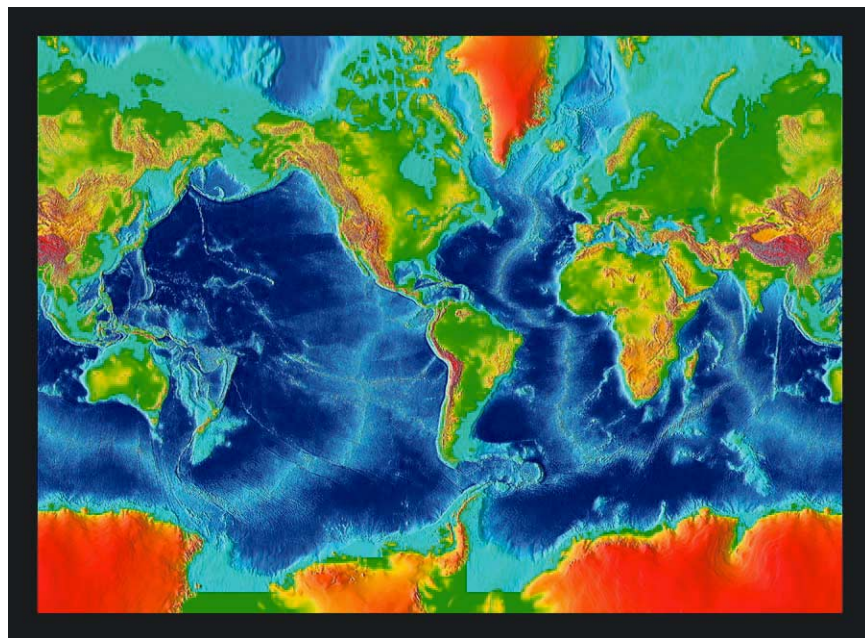
Slide 12



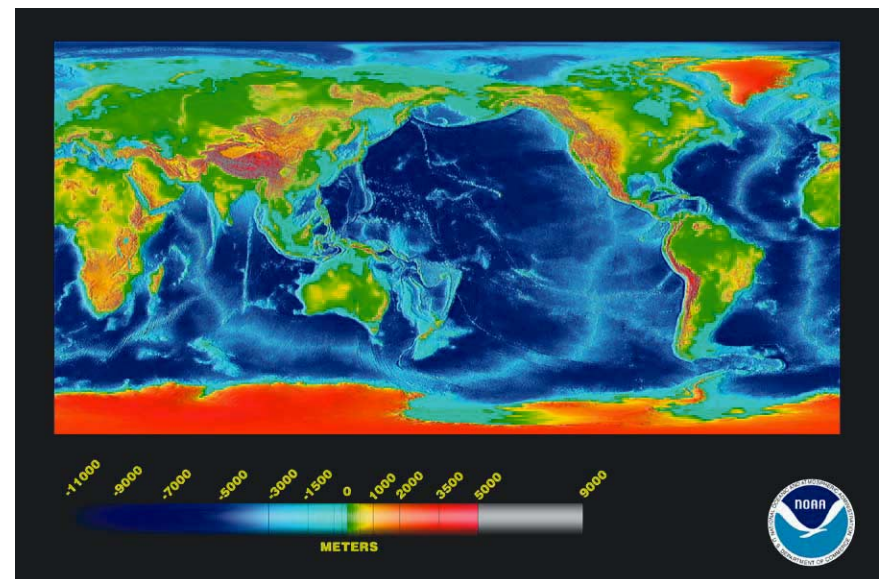
Slide 13



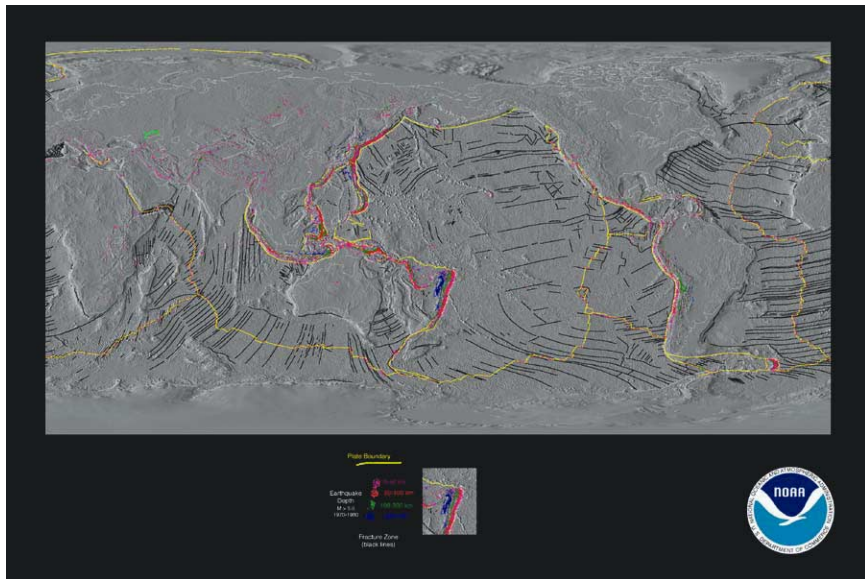
Slide 14



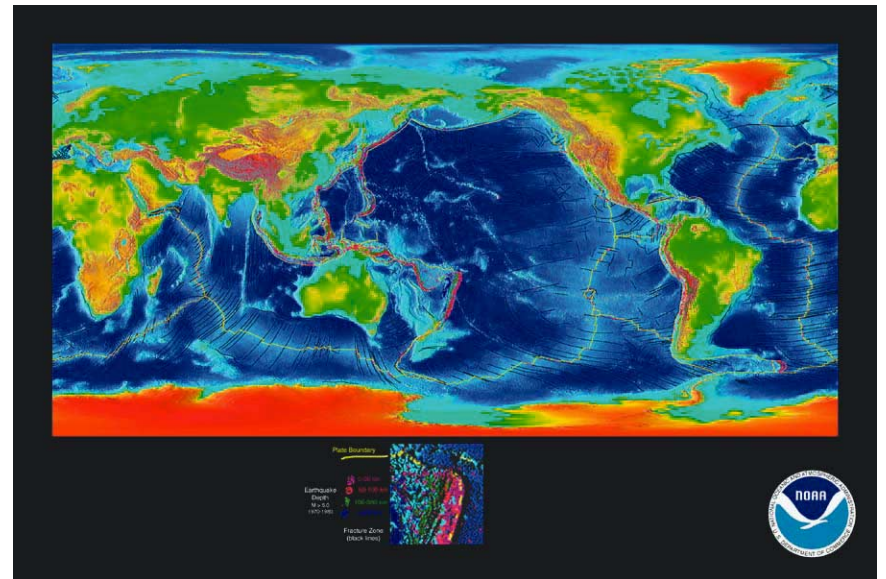
Slide 15  
Topography/Bathymetry in Mercator Projection,  
Coverage 80°N-80°S, 270°W-120°E



Slide 16  
Topography/Bathymetry in Cylindrical Equidistant Projection  
Coverage 90°N-90°S, 0°E-360°E



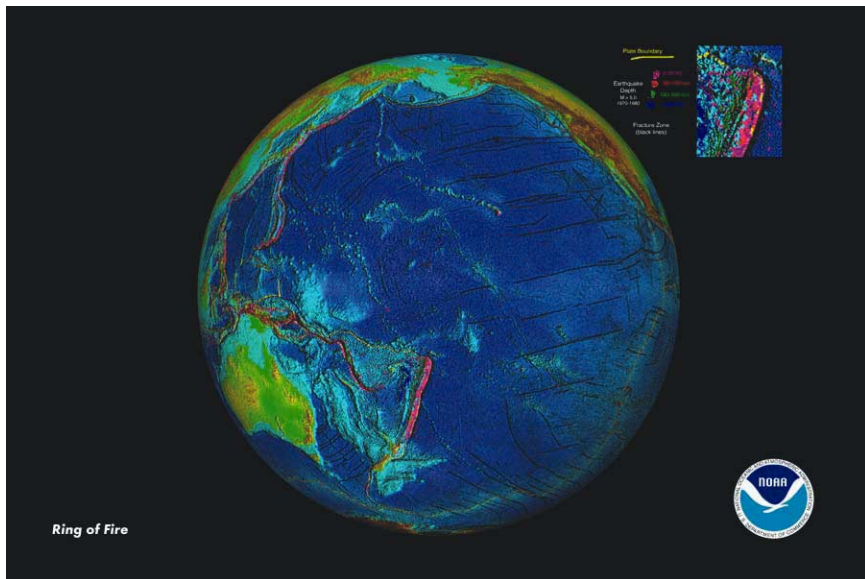
Slide 17



Slide 18

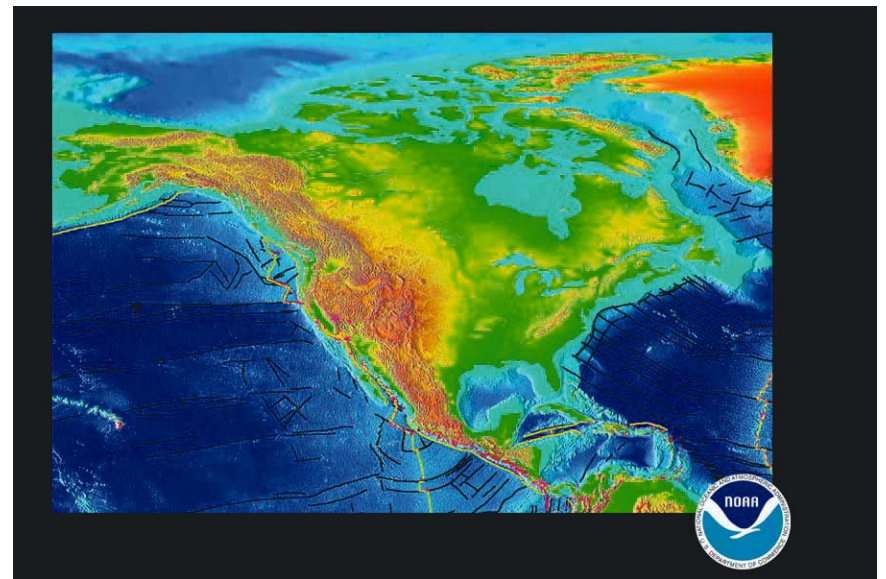
Topography/Bathymetry in Cylindrical Equidistant Projection

Coverage: 90°N-90°S, 0°E-360°E, including plate boundaries (yellow), earthquake epicenters (colored dots) and Fracture zones (black lines)



Slide 19

The “Pacific Ring of Fire” --the Pacific Plate moves westward relative to other plates, creating volcanism, earthquakes, and marginal trenches



Slide 20

Topography/Bathymetry in Cylindrical Equidistant Projection  
Coverage: North and Central America, including plate boundaries (yellow), earthquake epicenters (colored dots) and Fracture zones