Expanded mid-Atlantic Deep Water Allostratigraphy James Gibson (LDEO), Nathan Miller (USGS), Deborah Hutchinson (USGS), Uri ten Brink (USGS), Greg Mountain (Rutgers), Jason Chaytor (USGS), and Donna Shillington (LDEO)



Geo





Beta - middle Early Cretaceous



- Late Oligocene (Au) bottom current erosion is highest in the southern portion of the margin resulting in a steeper slope (relative to the northern portion of the margin).
- In the south, down-slope creep along steepened rise surfaces may have played a role in producing large, retrogressive failures from Au to present.
- In the north, seafloor fans are prevalent and larger in post-Au sedimentary units.
- The presence of fans in the north vs. large slope failures in the south indicates that late Oligocene bottom current erosion played a key role in controlling how sediments have since been transported to the deep sea along the U.S. mid-Atlantic margin.

Eastern North American Margin: Multidisciplinary Studies Posters Monday 12/11/2017, 08:00-12:20



Thank-You!

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