

Figure F1. Site U1534 map. (Map created using ArcGIS Desktop 10.7.1.)

Figure F2. Planktonic foraminifera relative species abundances, MSL, and GRA bulk density. N. pach = *Neogloboquadrina pachyderma*.

Figure F3. A. $\delta^{18}\text{O}$ variations of *Globigerina bulloides* (BUL) and *Neogloboquadrina pachyderma* (sinistral) (NPS), Holes U1534A and U1534C. B. $\delta^{13}\text{C}$ variations of *G. bulloides* and *N. pachyderma* (sinistral), Holes U1534A and U1534C. C. MSL and GRA bulk density.