

ODP Proceedings, Initial Reports, Volume 207

Chapter 8, Figure F9. Shipboard paleomagnetic data and initial interpretations of inclination clusters in the Cretaceous–Miocene from Holes 1261A and 1261B. Visual color variations in the sediment succession generally correspond to changes in magnetic properties and are displayed as an exaggerated schematic column to the right of the shipboard lithostratigraphic units. The paleomagnetic data from the holes have been compared using the composite depth offsets, which rarely exceeded a relative displacement of 4 m at this site. Magnetic inclinations (blue points = Hole 1261A and Upper Cretaceous red = Hole 1261B) are from intact blocks (excluding measurements within 5 cm of the end of each blocks) after 15-mT demagnetization. The inclination data exclude measurements near the background noise limit of the cryogenic magnetometer ($\sim 3 \times 10^{-5}$ A/m); therefore, measurements with intensities $< 5 \times 10^{-5}$ A/m are not considered reliable. In addition, the upper 20 cm of each core, which commonly displays spurious high-intensity magnetization or downhole contamination, and the upper 5 cm of each section, which is influenced by magnetization carried by the blue end cap, are excluded. The displayed inclinations are either 3-point running means (solid circles), 2-point means (open circles), or single-level data (open triangles) (from the central portion of blocks between 10 and 15 cm long, or from isolated levels within a larger block in which the adjacent measurements were $< 5 \times 10^{-5}$ A/m). The magnetic intensity column includes NRM (small orange dots = 21-point running mean) and after the 15-mT demagnetization (small black dots, where large blue dots are 101-point log-mean average) for Hole 1261A. Magnetic susceptibility data for Hole 1261A obtained using a magnetic susceptibility core logger (MSCL) are shown by green dots in the rightmost column. Shipboard assignment of polarity zones was based on clusters of magnetic inclinations from intact blocks (to right of polarity zone column), as delimited by the thin lines. Zones of positive inclinations (originally considered to be normal polarity zones) = black or medium gray, if reliability is less certain; negative or mixed inclinations (originally considered to be reversed polarity zones) = white or light gray, if reliability is less certain. Uncertain inclination characteristics or gaps in data coverage = cross hatched. The shipboard interpretations of polarity zones were not always supported by analyses of magnetic characteristics during progressive thermal demagnetization of minicores (Fig. **F10**, p.52). F = foraminifers, N = nannofossils, R = radiolarians.

gnetometer and susceptibility measurements









