

Figure F1. Expedition 390/393 drill site locations. Deep Sea Drilling Program Leg 3 sites are included for reference. Figure modified from Teagle et al. (2023). RGR = Rio Grande Rise, ERGR = Eastern Rio Grande Rise, MAR = Mid-Atlantic Ridge, TdC = Tristan de Cunha hotspot.

Figure F2. Crossplots of XRF raw counts of selected elements, Site U1560. See Figure F3 for Spearman's rank correlation.

Figure F3. Correlogram of elements above detection limits (>1000 counts/s), Site U1560. Black and white numbers = Spearman's rank correlation coefficients.

Correlation is shown on a color gradient from dark blue ($\rho = -1$, negative correlation) to yellow ($\rho = 1$, positive correlation). Greater ellipticity of the ellipse in each correlogram grid represents a stronger correlation.

Figure F4. Magnetic susceptibility, spectral NGR, and scanning XRF counts of selected elements, Site U1560. NGR core data are scaled to the concentrations of the individual elements: U (parts per million), Th (parts per million), and K (percent). IU = instrument units, cps = counts per second.