**Description of Supplementary Material for Paleomagnetism**

**Table T1.** Table reporting magnetic properties and principal component analysis (PCA) results at all measured points for 360(179)-1105A. PCA fits based on data measured during Expedition 360. NRM data from Expedition 179.

Exp: Expedition

Site: Site

Hole: Hole

Core: Core

Type: Type

Sect: Section

Interval: Section interval measured [cm]

Pc: Section piece number

Depth: Depth in hole based on adjusted depth CCSF (mbsf)

NRM dec: declination from first measurement taken during Expedition 179

NRM inc: inclination from first measurement taken during Expedition 179

Magnetic susceptibility: point susceptibility measured during Expedition 360 [instrument units]

MDF: median destructive field (mT). 999 = MDF not achieved

n: number of points included in PCA fit

Type: F = free; A = anchored to origin (all fits are free)

MAD Maximum angular deviation from PCA analysis

Dang: deviation angle between PCA fit and line connect the center of mass of the data and the origin (Tanaka and Kobayashi, 2003; Tauxe and Staudigel, 2004)

Dec: PCA declination

Inc: PCA inclination

Low: lowest demagnetization step included in PCA fit [mT]

High: highest demagnetization step

Jcomp: intensity of PCA fit [A m-1]

**Table T2**. Table reporting peak alternating field applied to archive half sections for 360(179)-1105A. PCA fits based on data measured during Expedition 360. NRM data from Expedition.

Exp: Expedition

Site: Site

Hole: Hole

Core: Core

Type: Type

Sect: Section

Peak Field (mT): maximum alternating field applied during demagnetization

Pieces removed: individual section pieces removed from tray during demagnetization. These pieces were not demagnetized during Expedition 360.

**Table T3.** Table reporting magnetic properties and principal component analysis (PCA) results at all measured points for 360-U1473A.

Exp: Expedition

Site: Site

Hole: Hole

Core: Core

Type: Type

Sect: Section

Interval: Section interval measured [cm]

Pc: Section piece number

Depth: Depth in hole based on adjusted depth CCSF (mbsf)

NRM dec: NRM declination

NRM inc: NRM inclination

Magnetic susceptibility: point susceptibility [instrument units]

MDF: median destructive field (mT). 999 = MDF not achieved

n: number of points included in PCA fit

Type: F = free; A = anchored to origin (all fits are free)

MAD Maximum angular deviation from PCA analysis

Dang: deviation angle between PCA fit and line connect the center of mass of the data and the origin (Tanaka and Kobayashi, 2003; Tauxe and Staudigel, 2004)

Dec: PCA declination

Inc: PCA inclination

Low: lowest demagnetization step included in PCA fit [mT]

High: highest demagnetization step

Jcomp: intensity of PCA fit [A m-1]

**Table T4**. Table reporting peak alternating field applied to archive half sections for 360-U1473A.

Exp: Expedition

Site: Site

Hole: Hole

Core: Core

Type: Type

Sect: Section

Peak Field (mT): maximum alternating field applied during demagnetization

Pieces removed: individual section pieces removed from tray during demagnetization. These pieces were not demagnetized during Expedition 360.