Geomagnetic Field Slides

Ge 102/11d

Winter, 2014
Reconstruction of the geomagnetic field at the core Mantle boundary over the last 400 years
Figure 1. Data distributions in time. (a) Declinations 1600–1649.
(b) Declinations 1650–1699. (c) Declinations 1700–1749.

Phil. Trans. R. Soc. Lond. A (2000)
Reconstructed Bz from Andrew Jackson, U. Leeds
From Satellite Measurements:
MagSat (1980)
Oersted (2000)
Most robust
Zonal motion of
Residual field is
17 km/yr or 0.27 deg/yr

Time-longitude of residual field
at equator (A) and 40 S