

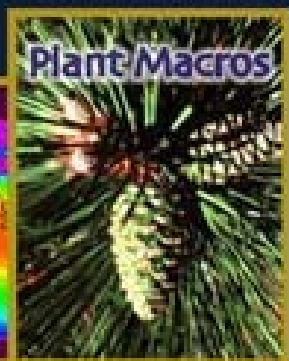
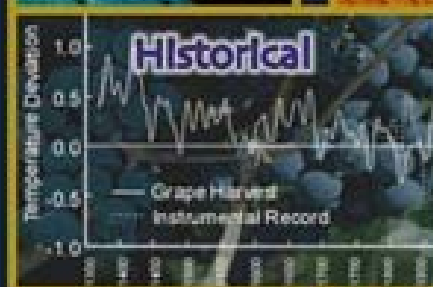
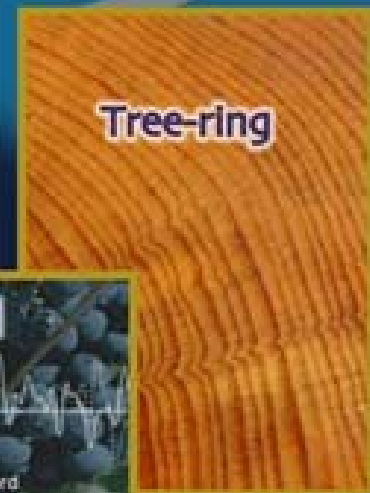
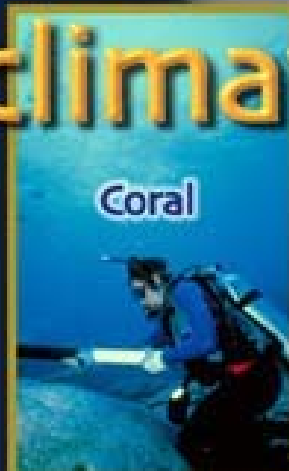
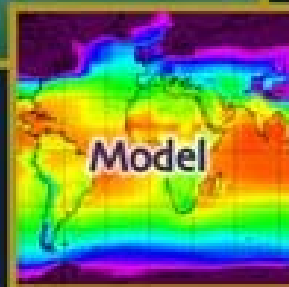
Hidrologia do passado e do recente nas regiões andinas a partir dos estudos espeleotemas: Resultados preliminares

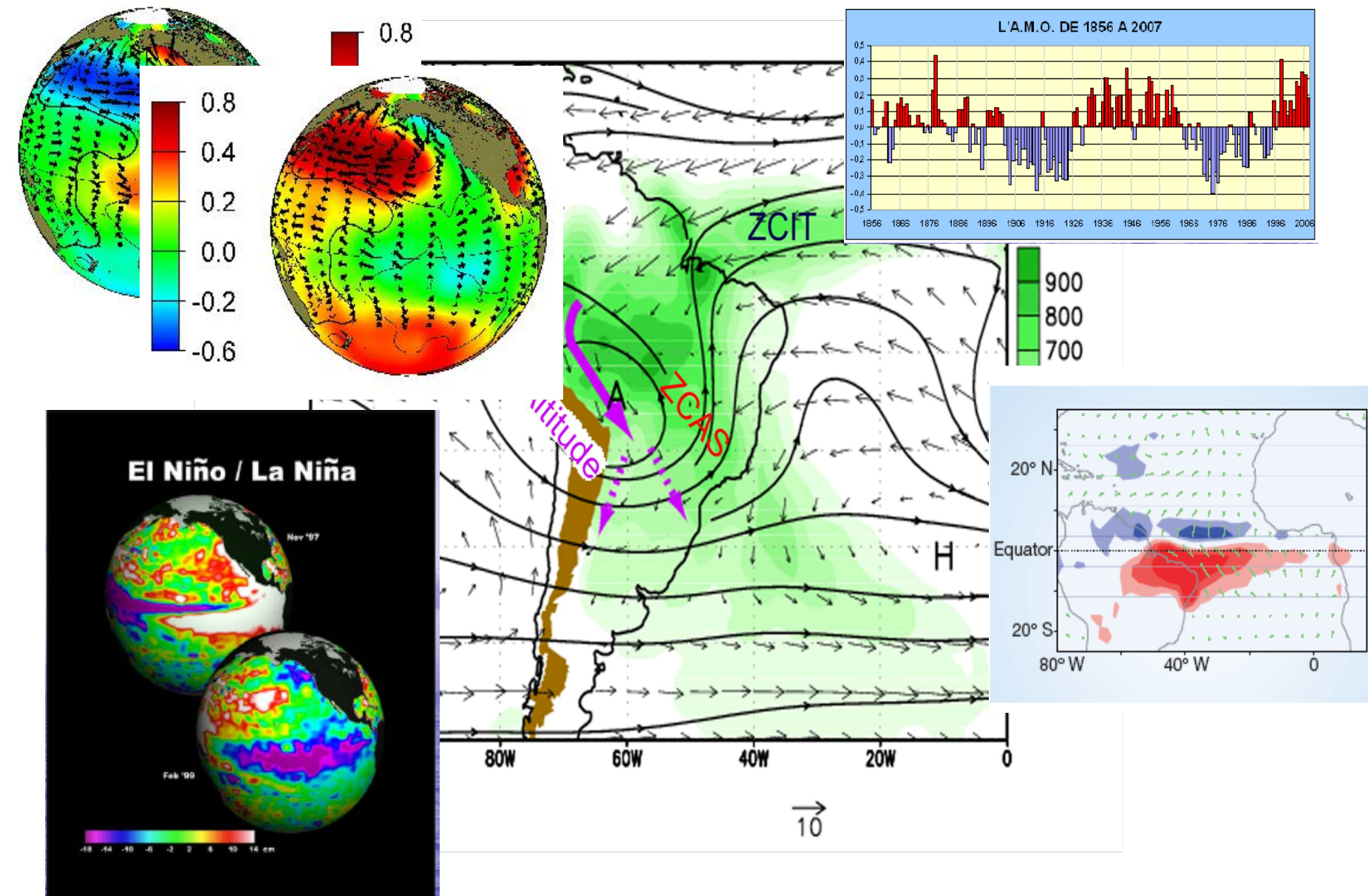


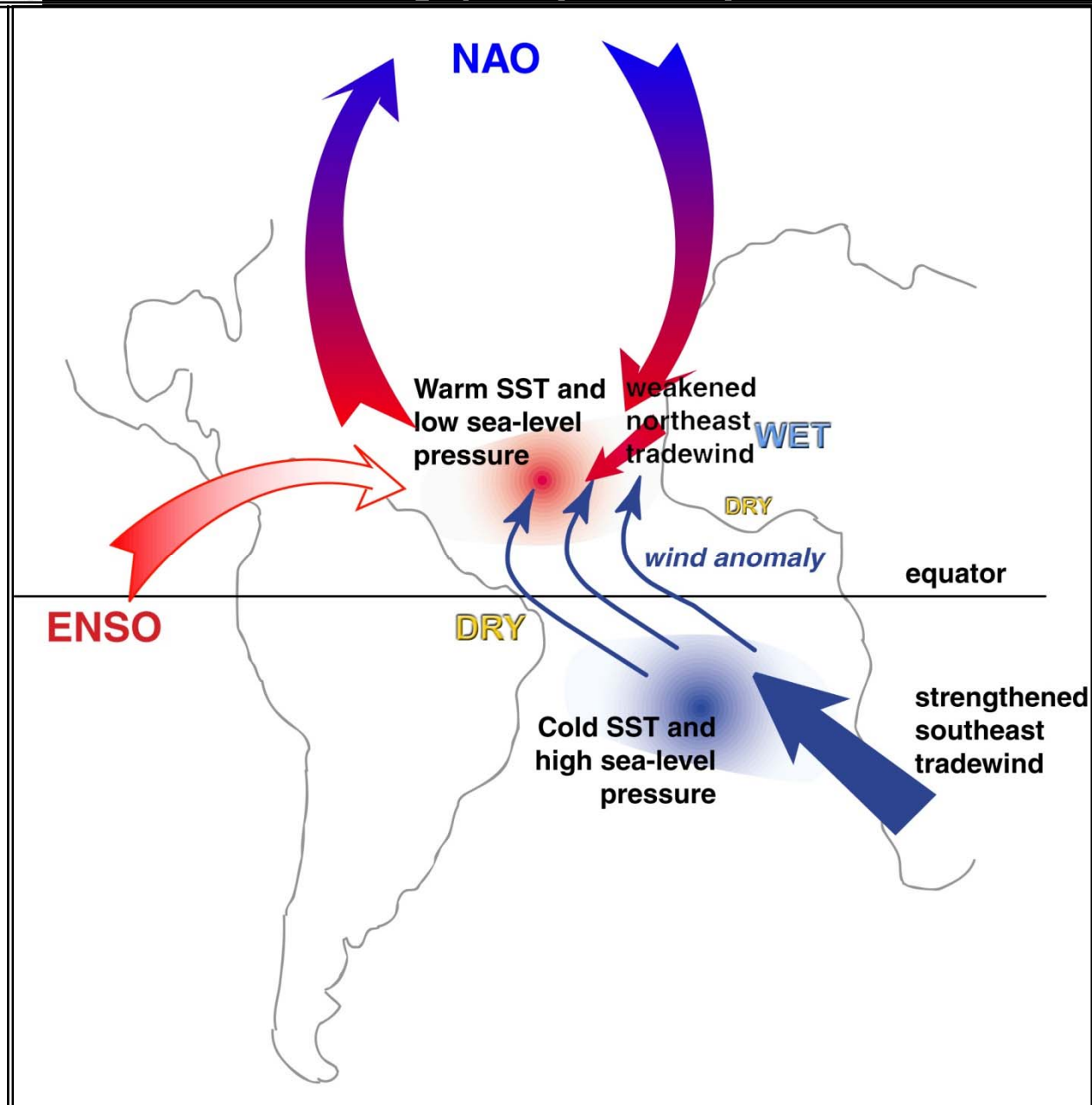
Francisco da Cruz, Jean Loup Guyot, Abdelfettah Sifeddine, Hai Cheng, Francis Sondag, Olivier Fabre, Jean Sebastien Moquet, Patrice Baby, Jhon Huaman

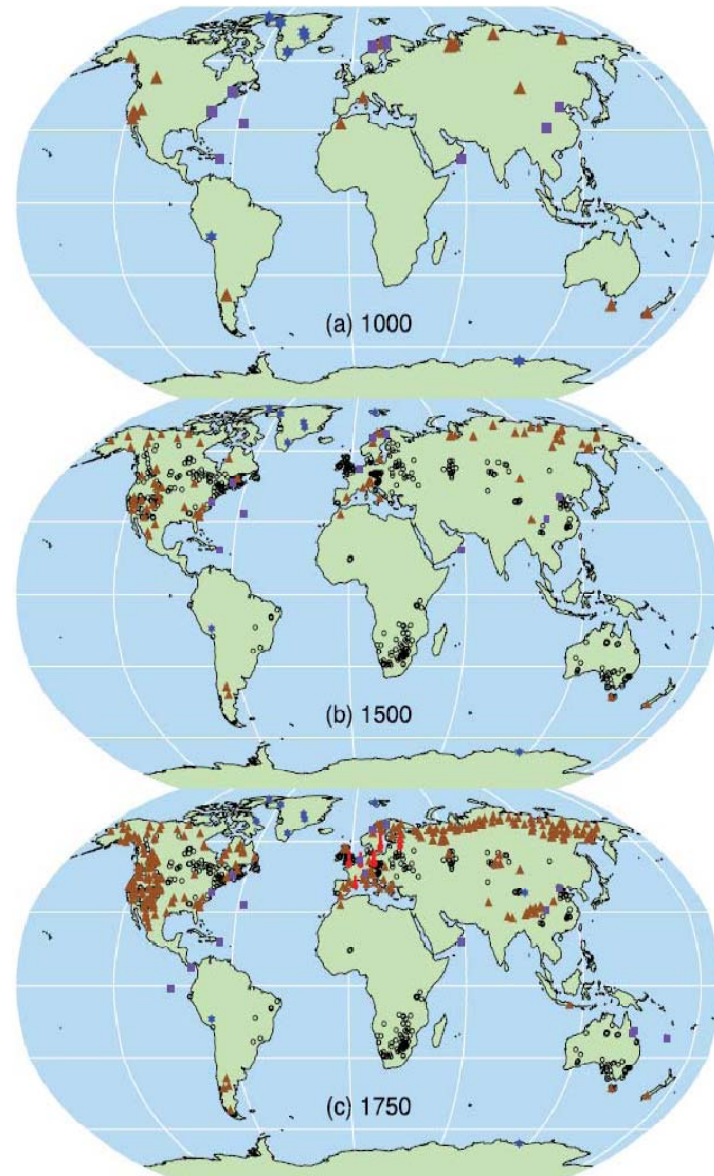
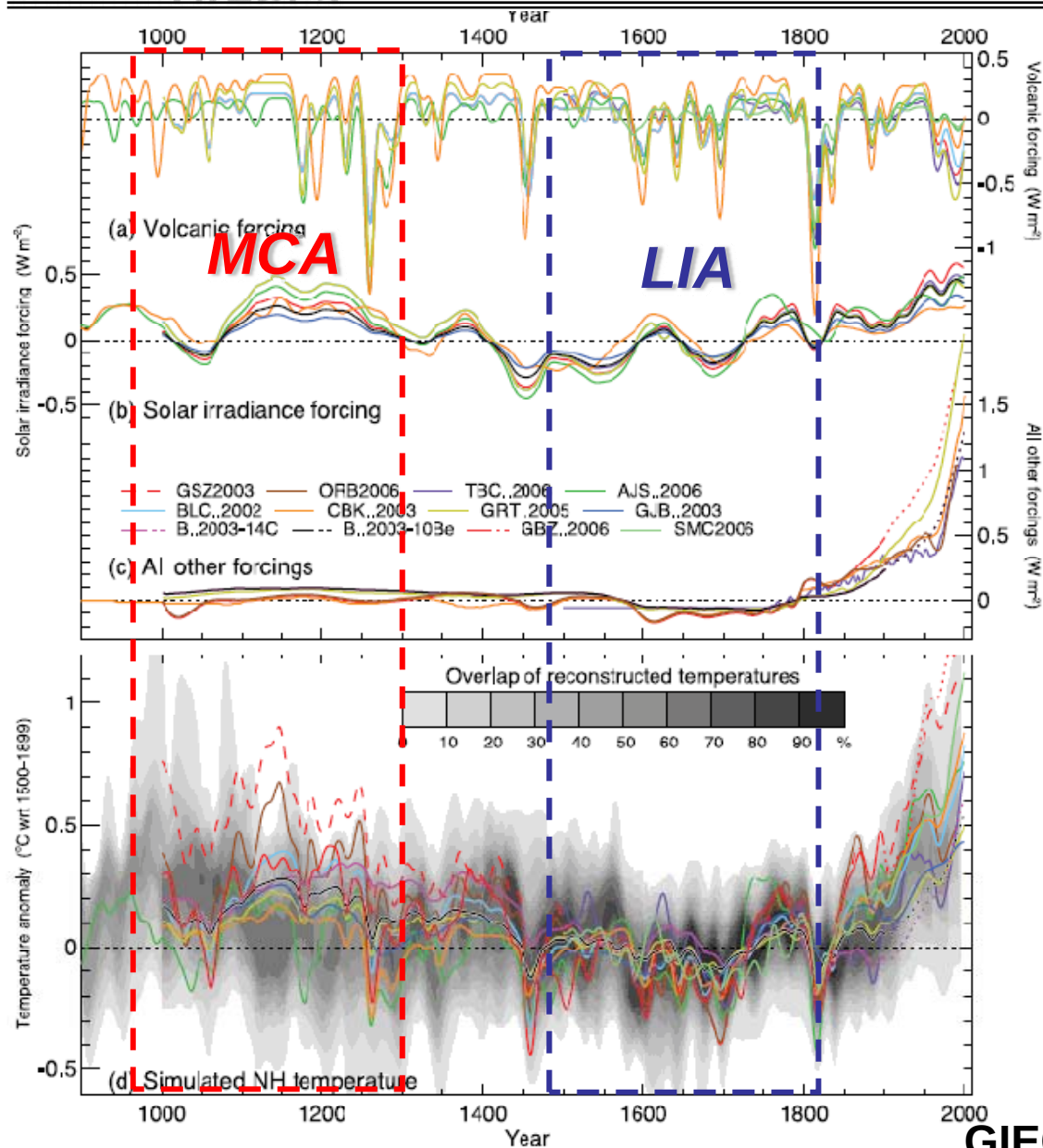
Instrumental Records

NOAA Paleoclimatology

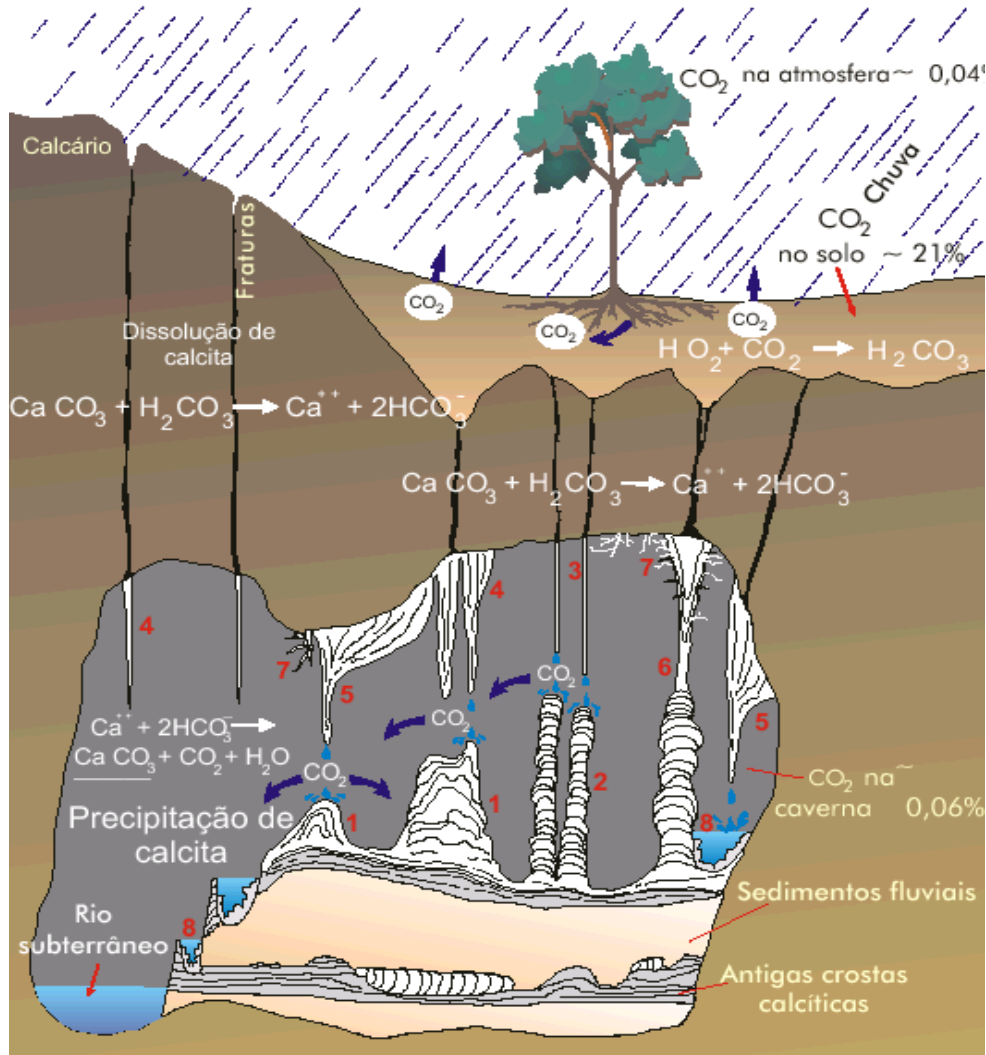




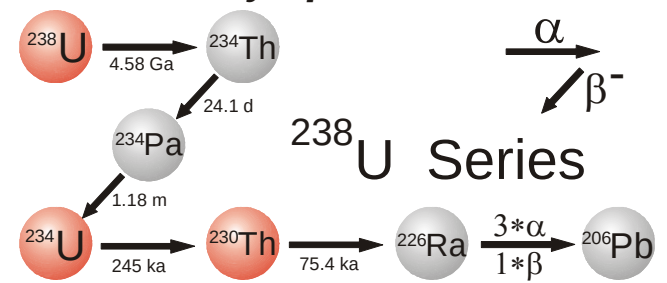




Espeleotemas como indicador paleoclimático e paleoambiental

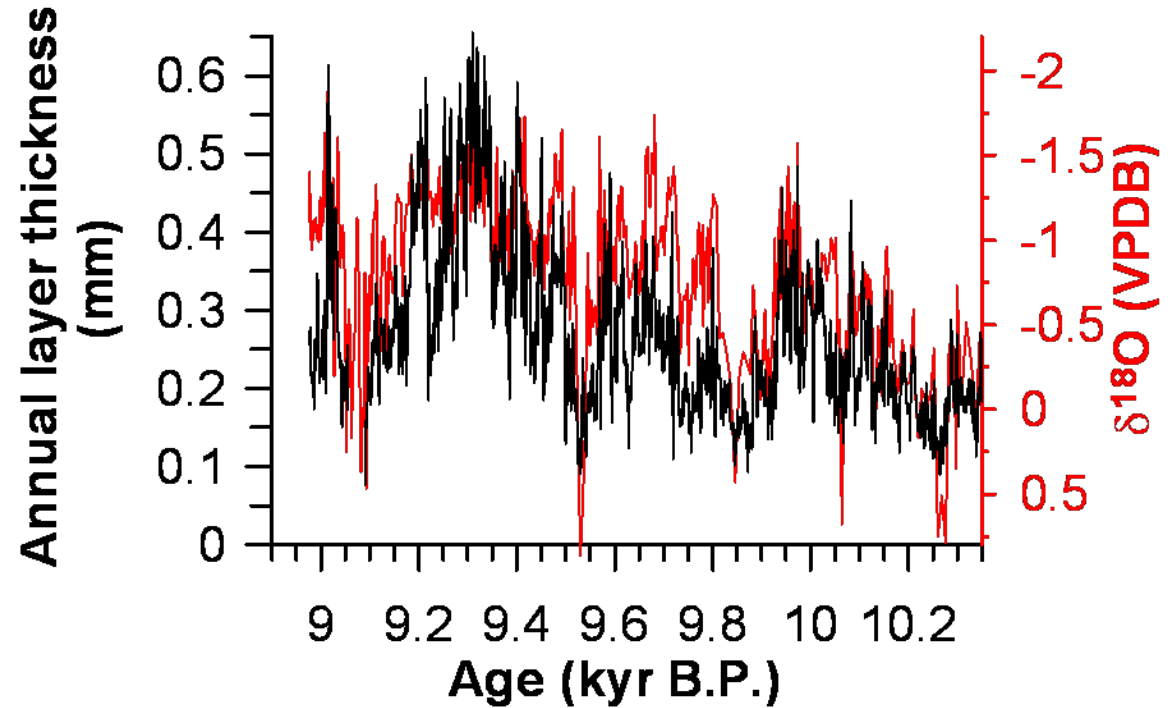


Decay of ^{238}U to ^{206}Pb



$$\delta^{18}\text{O} = \left(\frac{^{18}\text{O}}{^{16}\text{O}} \right)_{\text{sample}} - \left(\frac{^{18}\text{O}}{^{16}\text{O}} \right)_{\text{VPDB}}$$

Registros de alta resolução temporal



Fleitmann et al.,
2003, Science

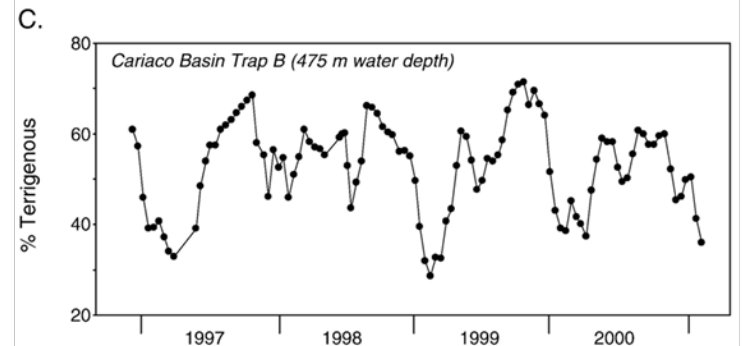
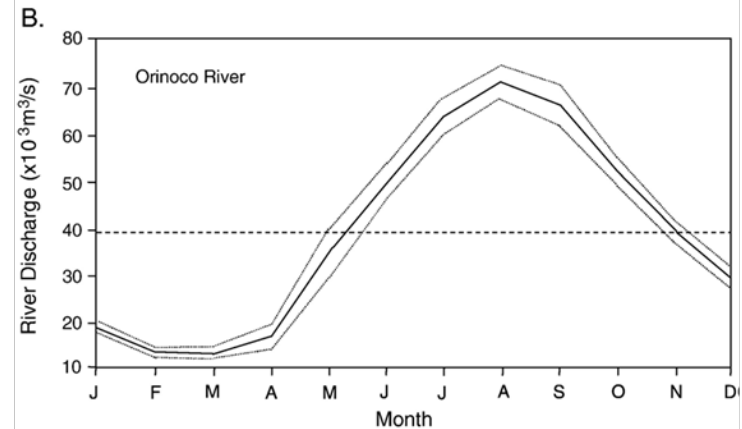
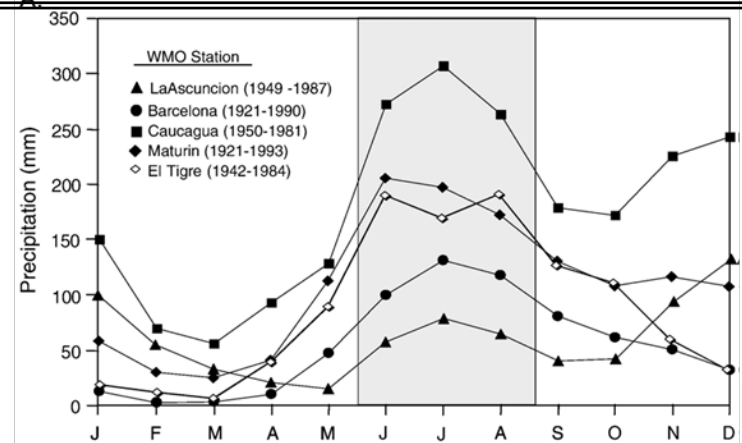
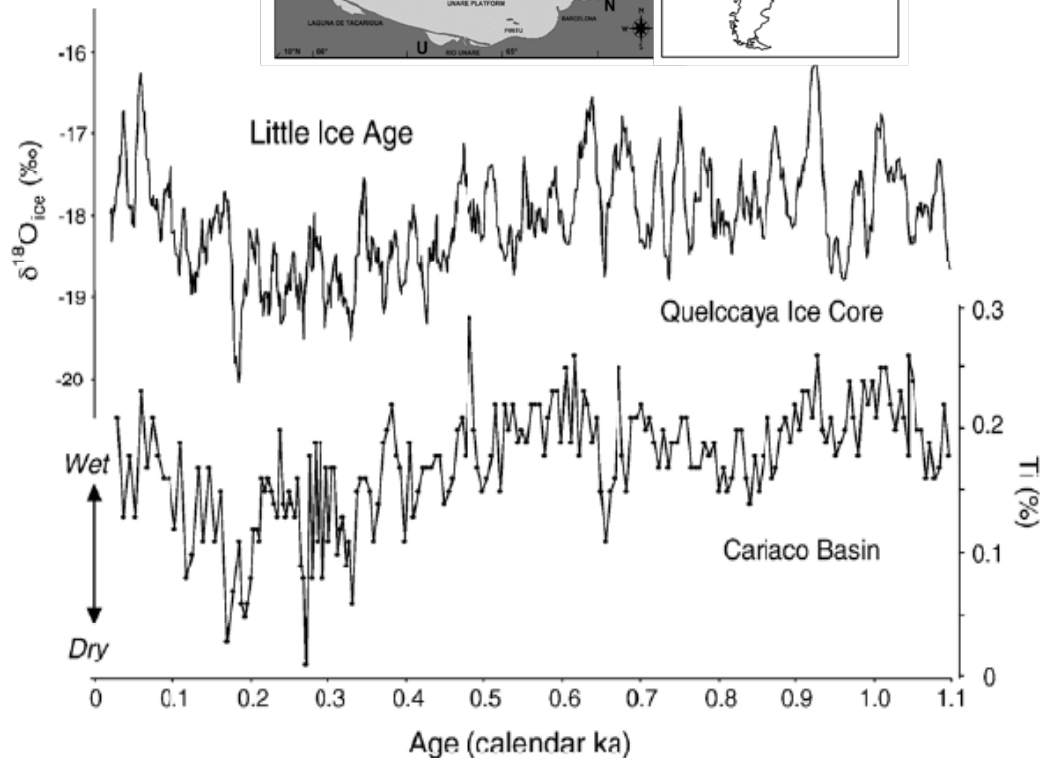
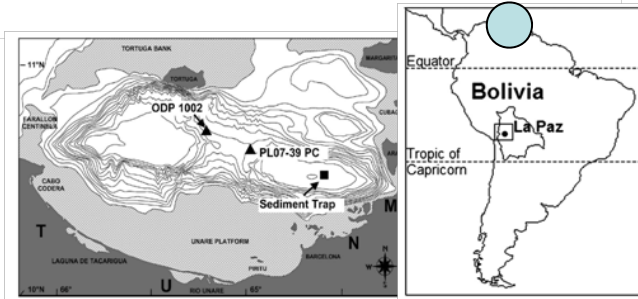
Variability in the mean latitude of the Atlantic Intertropical Convergence Zone as recorded by riverine input of sediments to the Cariaco Basin (Venezuela)

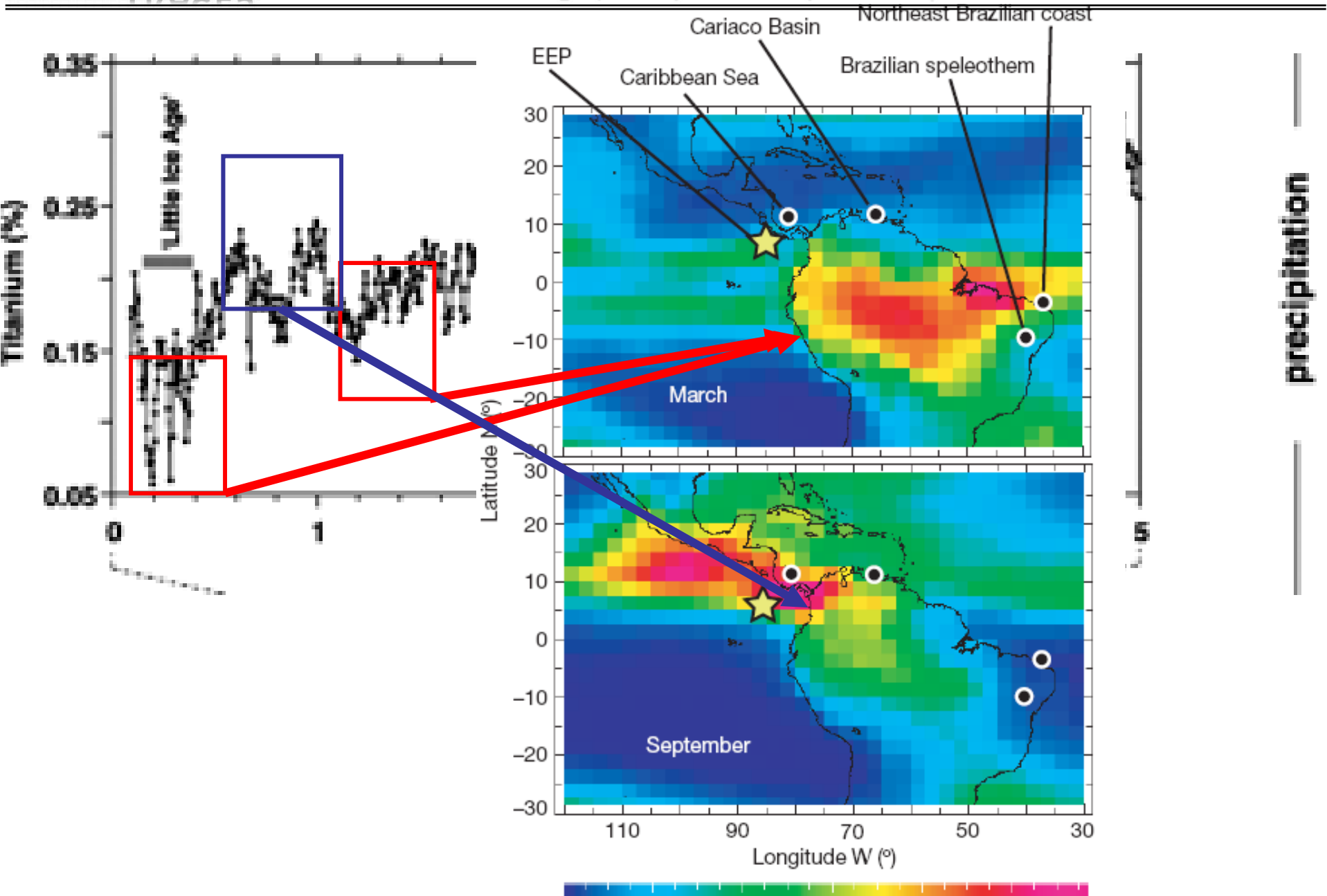
Larry C. Peterson^{a,*}, Gerald H. Haug^b

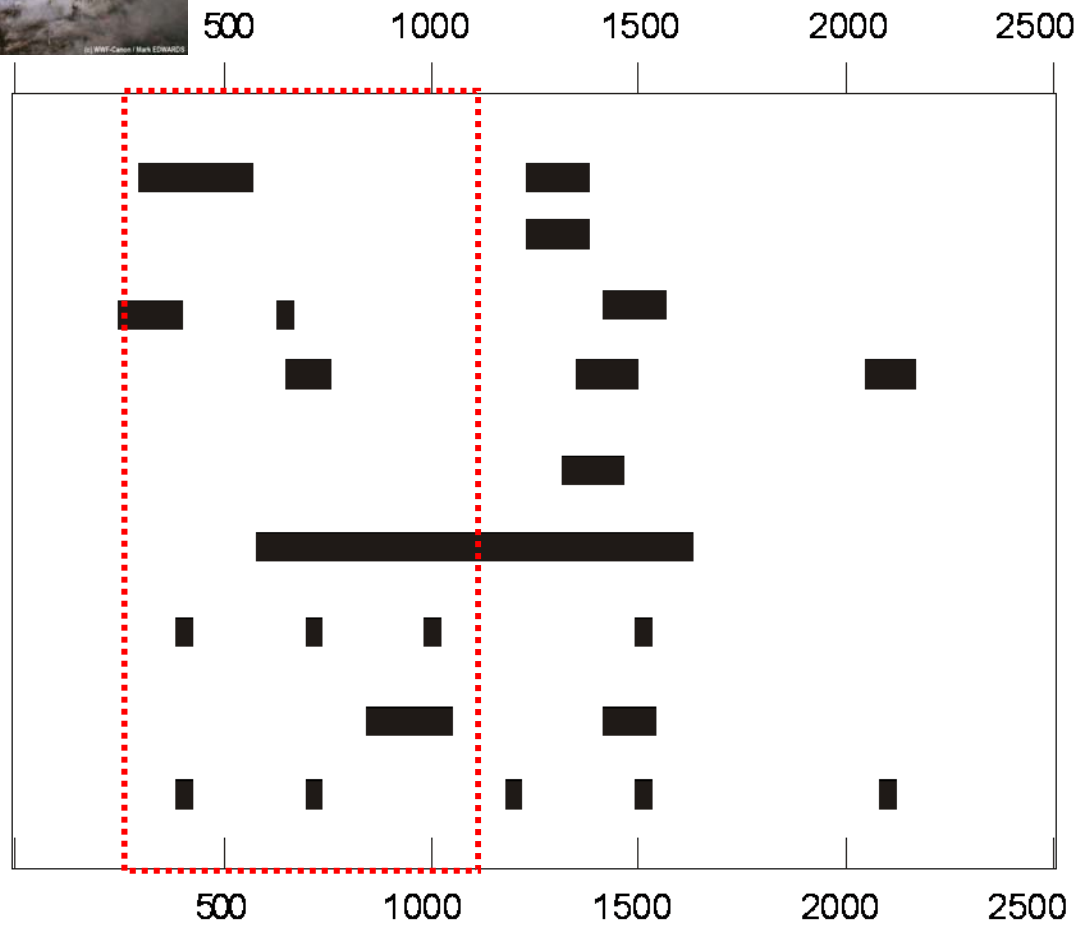
^a Rosenstiel School of Marine and Atmospheric Science, University of Miami, 4600 Rickenbacker Causeway, Miami, FL 33149, USA

^b Geoforschungszentrum Potsdam, Potsdam D-14473, Germany

Received 15 May 2004; accepted 20 October 2005







This study

Piperno and Becker, 1996

Sanford *et al.*, 1985

Van Der Hammen, 1991

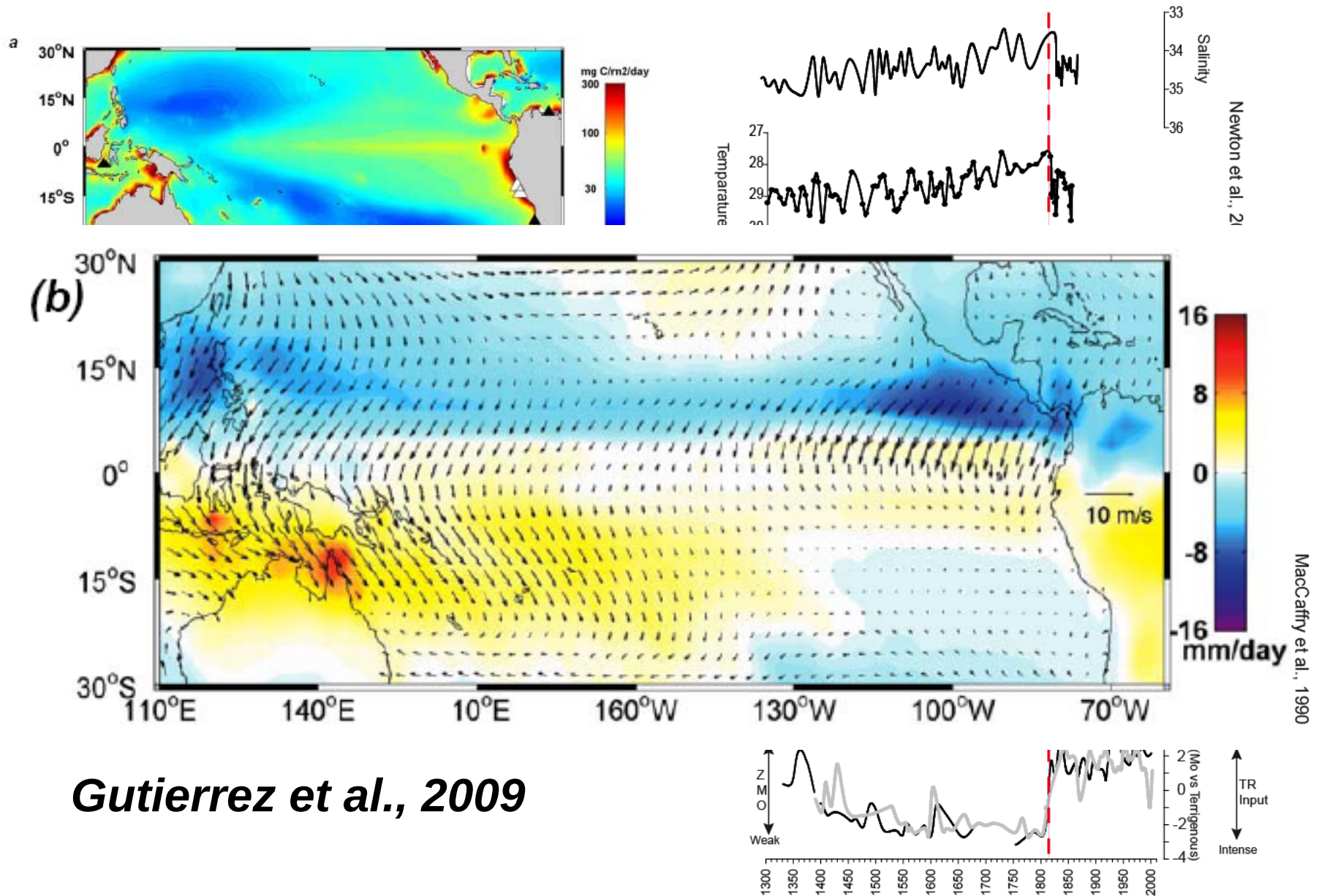
Thompson et al., 1992

Binford, 1997

Meggers, 1994

Ledru, In press

Absy, 1979







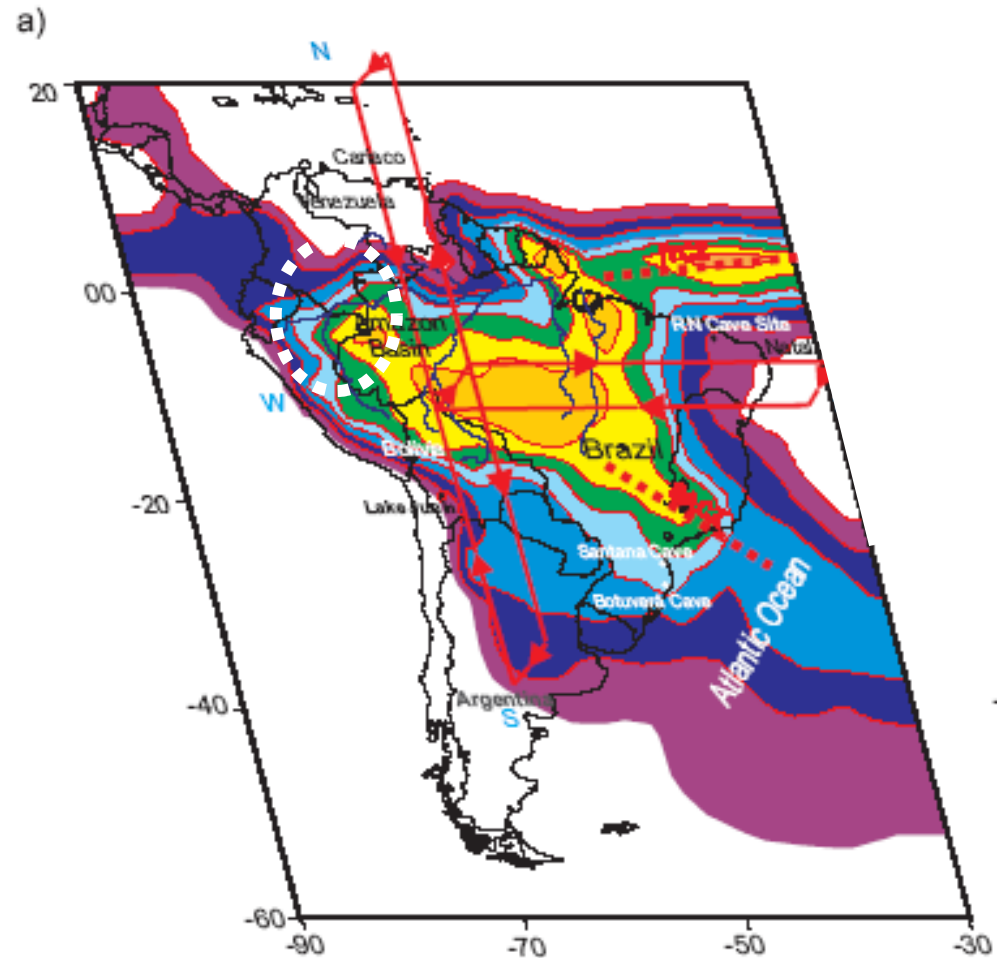
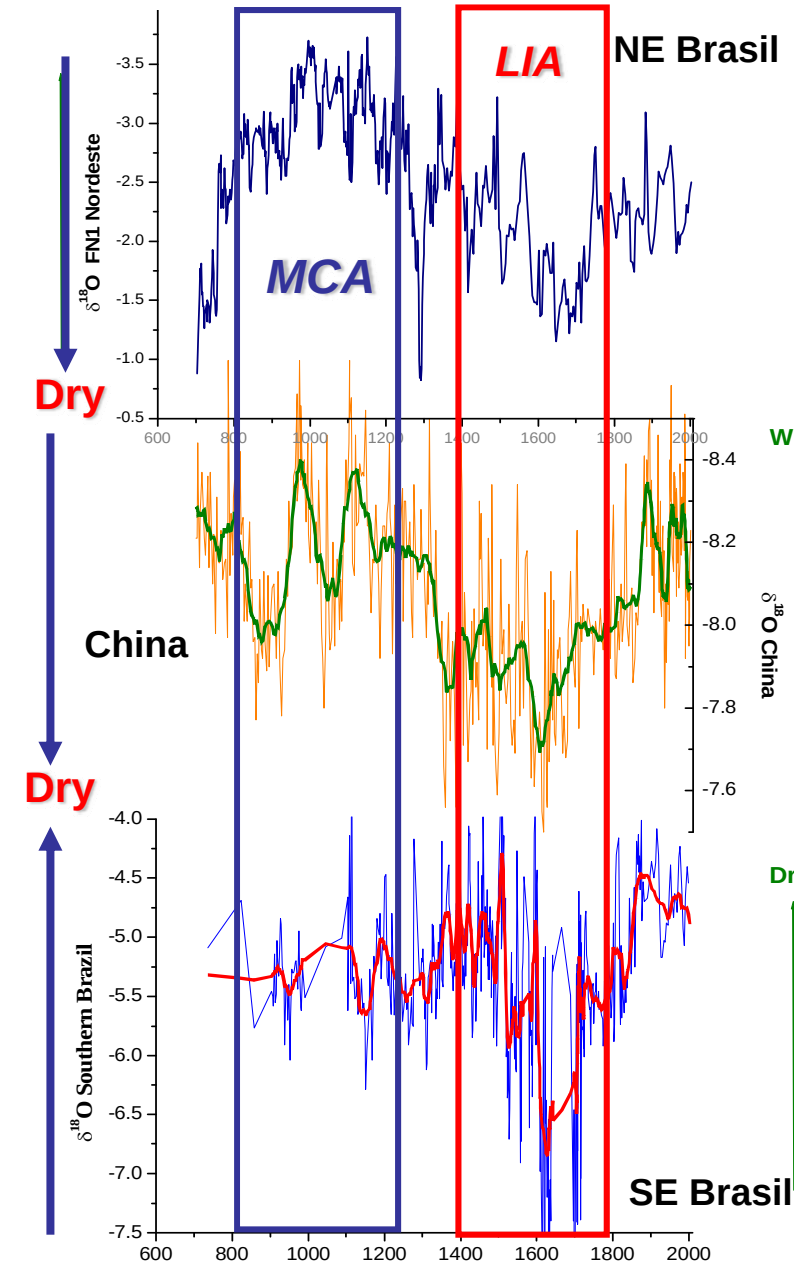
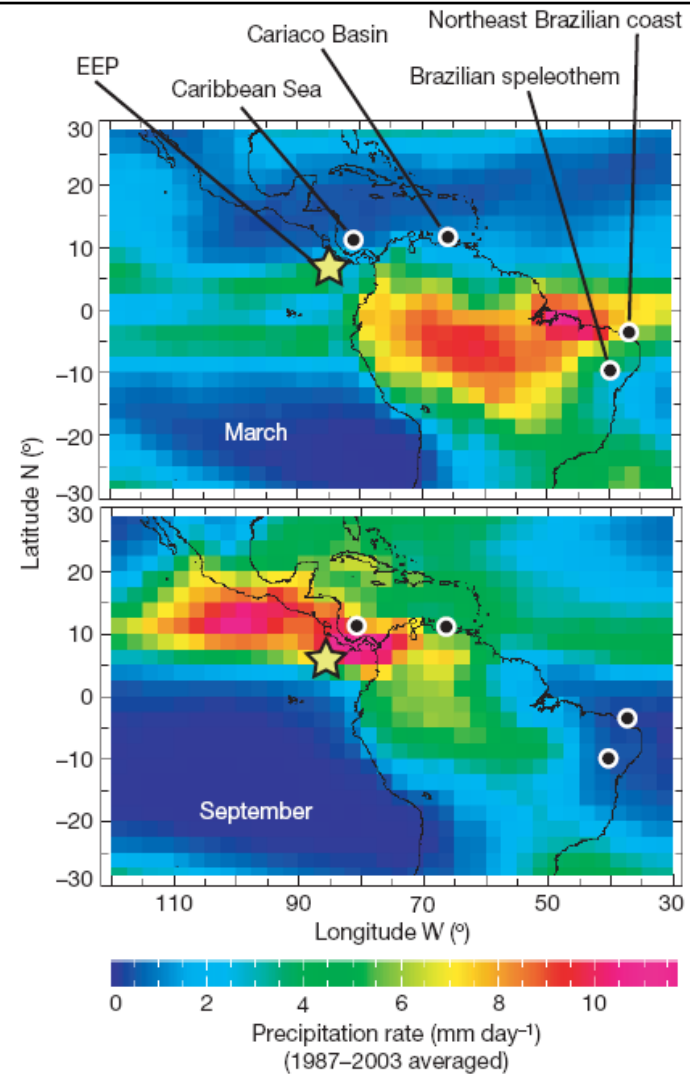
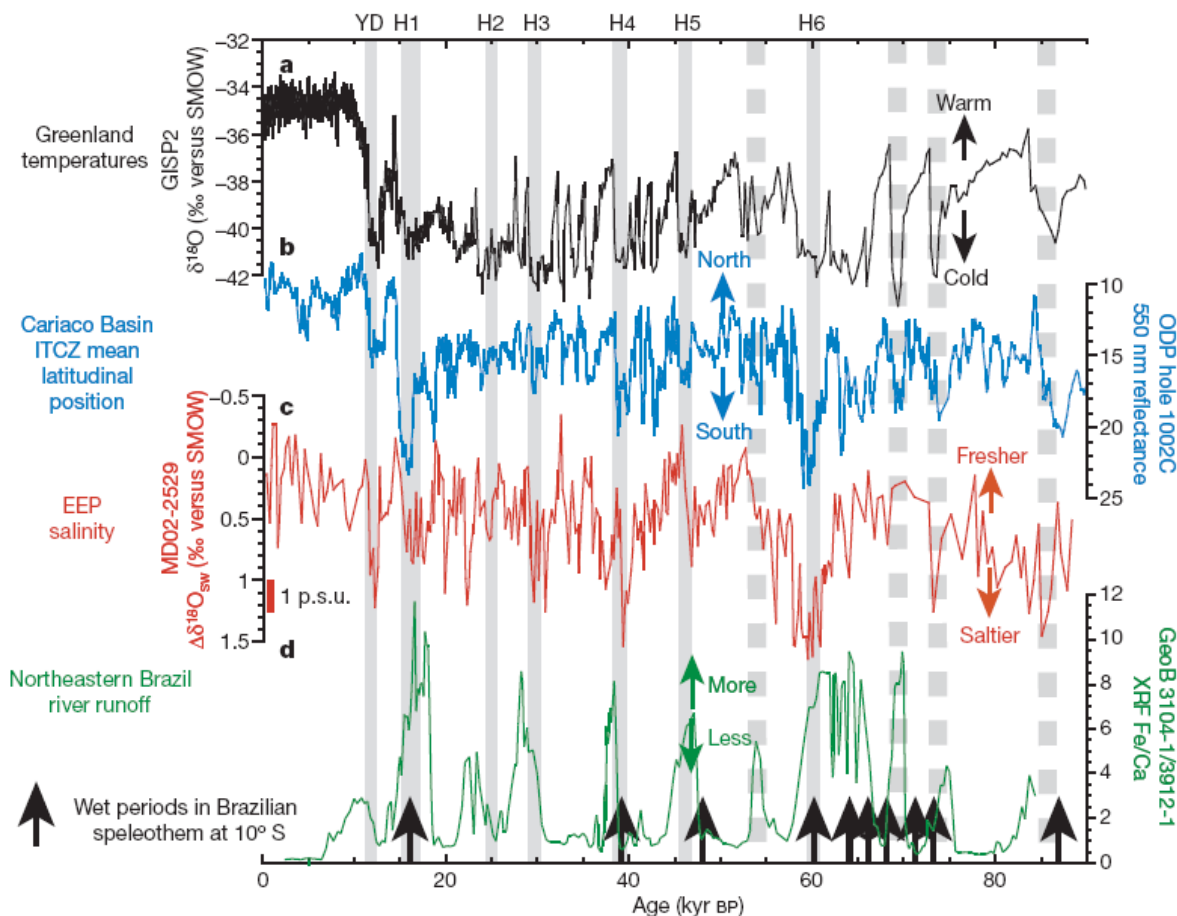


Figure S3: Schematic diagram showing austral summer (DJF) precipitation anomalies (blue and purple indicating dry anomalies) in South America and related c a) high summer insolation in the southern hemisphere during the last 4,000 years (early and mid-Holocene).

Moisture transport across Central America as a positive feedback on abrupt climatic changes

Guillaume Leduc¹, Laurence Vidal¹, Kazuyo Tachikawa¹, Frauke Rostek¹, Corinne Sonzogni¹, Luc Beaufort¹ & Edouard Bard¹

Vol 445 | 22 February 2007 | doi:10.1038/nature05578



Chapter 12

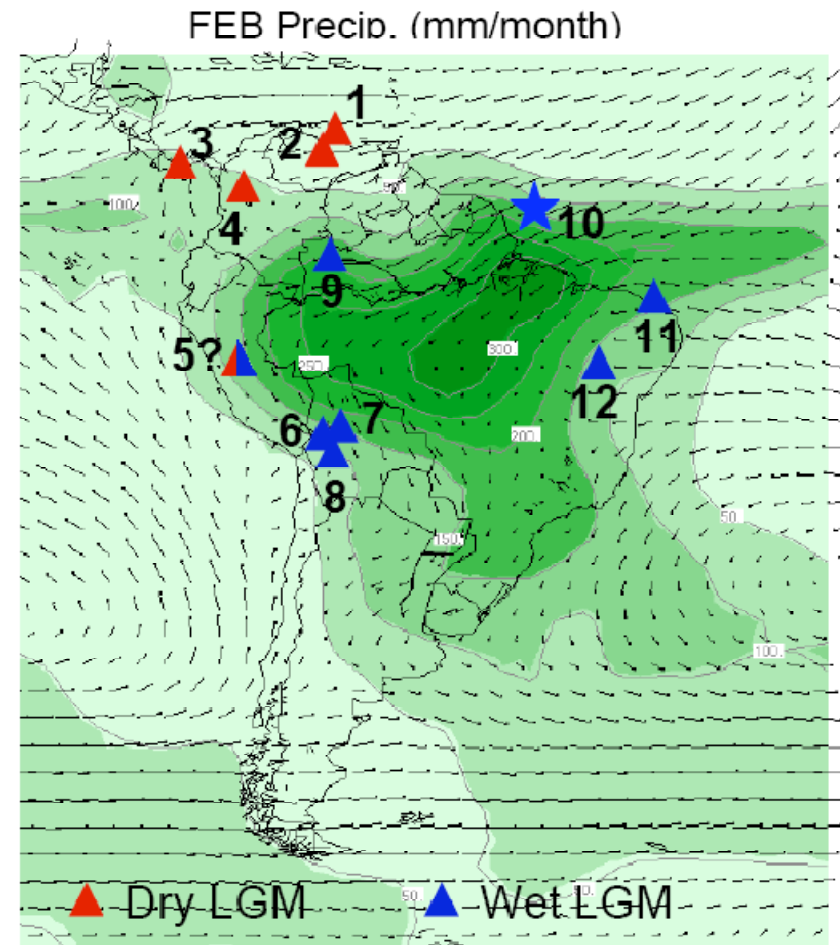
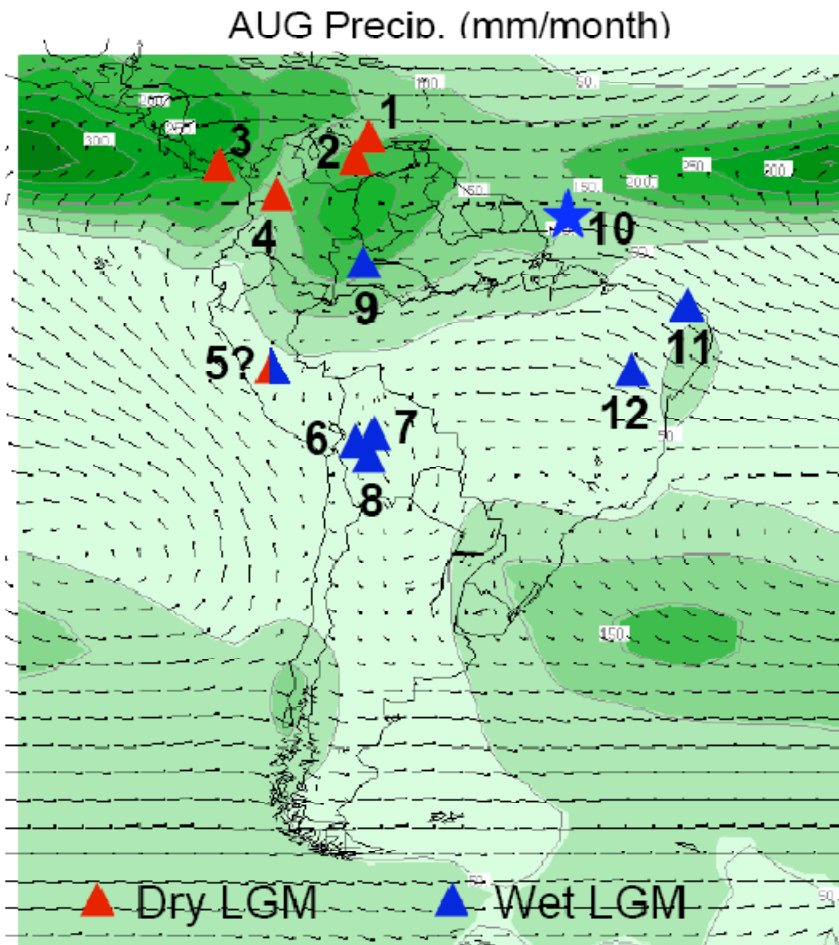
VARIABILITY OF THE MARINE ITCZ OVER THE EASTERN PACIFIC DURING THE PAST 30,000 YEARS

Regional Perspective and Global Context

Athanasios Koutavas¹ and Jean Lynch-Stieglitz²

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Persistent Positive North Atlantic Oscillation Mode Dominated the Medieval Climate Anomaly

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James D. Scourse,⁶ David C. Frank¹

Medieval Climate Anomaly

