THE IMPACT OF EL NIÑO AND OTHER LOW-FREQUENCY SIGNALS
ON EARTH ROTATION AND GLOBAL EARTH SYSTEM PARAMETERS

American Geophysical Union 1998 Spring Meeting, Boston, MA, USA

Session G21: Tuesday, May 26, 1998, 8.30 - 12.00 h.


Earth System Science via Gravity: Insight on Seasonal and Interannual Time Scales: J.O. Dickey, G.S. Lagerloef, J. Wahr - invited

The 1997-1998 El Niño and Atmospheric Angular Momentum: D.A. Salstein

Accuracy and Consistency of Earth Rotation Measurements Over Long Time Scales: D. Gambis - invited

Signature of the ENSO in LOD: J.M. Gipson, C. Ma

Impact of El Niño on Polar Motion: B. Kolacze, M. Nuzhdina, J. Nastula - invited


Torques Responsible for Evolution of Atmospheric Angular Momentum During the 1982-83 El Niño Event: R.M. Ponte, R.D. Rosen


Inherent Accuracy of 24-hr VLBI EOP Measurements Derived from Two Simultaneously Observing networks: C. Ma, J.W. Ryan

Session G22A: Tuesday, May 26, 1998; POSTERS

Atmospheric Torques on the Surface of the Oceans and Solid Earth: B.V. Sanchez, A.Y. Au


Progress in GPS Determination of Universal Time: P. Kammeyer

In Situ Measurement of Earth Rotation Using a Ring Laser: U. Schreiber, M. Schneider, G. Stedman, C. Rowe, S. Cooper, W. Schluter, H. Seeger


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Session G22B: Tuesday, May 26, 1998, 13.30 - 14.30 h

Rapid Fluctuations in Earth Rotation Are Chaotic: V. Frede, P. Mazzega

Stability Variations in Rapid Fluctuations of Earth Rotation Caused by El Niño Events: V. Frede, P. Mazzega

Monthly and Fortnightly Ocean Tide Models Empirically Estimated Exclusively From TOPEX/POSEIDON Altimetry with Implications for Mantle Anelasticity: S.D. Desai, J.M. Wahr

Dynamic Effect of Long-Period Ocean Tides on Length of Day as Determined by a Topex/Poseidon Tide Model: R.S. Gross, S.D. Desai