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.

The Evolution of the 1997/1998 El Niño/Southern Oscillation (ENSO): C.F. Ropelewski - invited

Identification of El Niño Signals with Satellite Altimetry: B.D. Tapley, D.P. Chambers, J. Chen - invited

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. Kolaczek, M. Nuzhdina, J. Nastula - invited

The 1997 El Niño: Insight via Space Geodesy: J.O. Dickey, P. Gegout, S.L. Marcus

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

The Atmospheric Excitation of Rapid Polar Motions: T.M. Eubanks, J.R. Ray, B.J. Luzum

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

Geophysical Contributors to Interannual Variations of the Gravity Field: D. Dong, J. O. Dickey, R. Gross, M.K. Cheng

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

Prediction of Post-Glacial Sea-Level Change in Australia and New Zealand: Application of a New Sea-Level Theory: G.A. Milne, J.X. Mitrovica

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