Contents

	page
IERS Technical Notes	iv
Introduction	1
IERS Gazette N 21: Call For El Niño papers	2
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 (Sessions Program)	3
IDENTIFICATION OF EL NIÑO SIGNALS WITH SATELLITE ALTIMETRY D.P. Chambers, J.L. Chen and B.D. Tapley	5
ATMOSPHERIC ANGULAR MOMENTUM DURING THE 1997-98 EL NIÑO EVENT D.A. Salstein	13
SIGNATURE OF EL NIÑO IN LENGTH OF DAY AS MEASURED BY VLBI J.M. Gipson and C. Ma	17
EL NIÑO IMPACT ON ATMOSPHERIC AND GEODETIC EXCITATION FUNCTIONS OF POLAR MOTION B. Kolaczek, M. Nuzhdina, J. Nastula, and W. Kosek	23
THE 1997-1998 EL NIÑO EVENT: INSIGHT VIA SPACE GEODESY J.O. Dickey, P. Gegout, and S.L. Marcus	29
ANGULAR MOMENTUM AND TORQUES DURING THE 1982-83 EL NIÑO R.M. Ponte and R.D. Rosen	33
FLUCTUATIONS OF THE EARTH ROTATION AND EL NIÑO EVENTS V. Frède and P. Mazzega	37
TROPICAL PACIFIC OCEAN LONG WAVES CONTRIBUTION TO LENGTH OF DAY DURING ENSO IN 1980-1997 R.J. Abarca del Rio, B. Dewitte, Y. duPenhoat, and D. Gambis	45
EL NIÑO SIGNAL IN LOCAL AND GLOBAL ATMOSPHERIC TORQUES O. de Viron, V. Dehant, P. Pâquet, and D.A. Salstein	51
ATMOSPHERIC-OCEANIC INFLUENCE ON INTERANNUAL LENGTH-OF-DAY VARIABILITY LINKED TO EL NIÑO/SOUTHERN OSCILLATION L.I. Fernández and E.F. Arias	57
CORRELATION OF INTRASEASONAL LENGTH OF DAY AMPLITUDE MODULATION WITH ENSO Zhong Min, Zhu Yao-zhong, and Gao Bu-xi	67