

Proceedings Earth Tide Symposium Ottawa, Canada, August 2004

**Special issue of Journal of Geodynamics:
"Earth Tides and Geodynamics"**

Vol. 41 - 2006

ETS-1: Earth Based Instrumentation

ETS-1-02

H. Wilmes, A. Boer, B. Richter, P. Wolf, M. Harnisch, G. Harnisch, H. Hase
A New Data Series Observed with the Remote Gravimeter GWR C038 at the Geodetic
Fundamental Station TIGO in Concepción (Chile)

ETS-1-04

V. Palinkas
Some Recent Results of the Gravimetric Tidal Station Pecny, Czech Republic

ETS-1-06

S. Takemoto, A. Araya, W. Morii, J. Akamatsu, M. Ohashi, H. Momose, A. Takamori, S.
Miyoki, T. Uchiyama, D. Tatsumi, T. Higashi and Y. Fukuda
A 100m laser strainmeter system in Kamioka, Japan, for precise observations of tidal strains

ETS-1-09

V.Yu. Timofeev, M. van Ruymbekke, G. Woppelmanns, M. Everaerts, E.A. Zapreeva, P.Yu.
Gornov, B. Ducarme
Tidal gravity observations in eastern Siberia at Khabarovsk/Zabaikalskoe and along the
Atlantic coast of France at Chize

ETS-1-10

Lambotte, S., L. Rivera, and J. Hinderer
Vertical and horizontal seismometric observations of tides

ETS-2: Space Geodetic Techniques and Tides

ETS-2-02

J. Hinderer, O. Andersen, F. Lemoine, D. Crossley, and J.-P. Boy
Seasonal time changes of the Earth's gravity field from GRACE: a comparison with ground
measurements from superconducting gravimeters and with hydrology model predictions

ETS-2-03

S.-C. Han, C.K. Shum, P. Ditmar, P. Visser, E.J.O. Schrama, C. van Beelen, and E.J.O.
Schrama
Aliasing effect of high-frequency mass variations on GOCE recovery of the Earth's gravity
field

ETS-2-12

M. A. King
Kinematic and static GPS techniques for estimating tidal displacements with application to
Antarctica

ETS-2-13

P.J. Mendes Cerveira, R. Weber, H. Schuh
Deficiencies in monitoring global crustal deformation with GPS

ETS-2-14
R. Haas and J. Wunsch
Subdiurnal Earth rotation variations from VLBI CONT campaigns

ETS-3: Earth and Ocean Tides: Theory and Analysis

ETS-3-03
J. Arnos, R. Vieira, F.G. Montesinos, M. Benavent
A new ocean tide loading model in the Canary Island region

ETS-3-07
J.-P. Boy, M. Llubes, R. Ray, J. Hinderer and N. Florsch
Validation of long period oceanic tides with superconducting gravimeters

ETS-3-09
B. Ducarme, A. P. Venedikov, J. Arnos, R. Vieira
Analysis and prediction of ocean tides by the computer program VAV

ETS-3-16
Y. Yi, K. Matsumoto, C. K. Shum, Y. Wang, R. Mautz
Advances in Southern Ocean Tide Modeling

ETS-4: Interplanetary Tidal Interactions and Gravity

ETS-4-02
Boris L. Berry (Berri)
Solar system oscillations and models of natural processes.

ETS-4-05
P. Varga
Temporal variation of geodynamical properties due to tidal friction

ETS-5-06
J. Ping, T. Tsubokawa, Y. Tamura, K. Heki, K. Matsumoto, T. Sato
Observing Long Term FCR Variation Using Esashi Extensometers

ETS-5: Tilt, Strain: Aperiodic and Long Period Signals

ETS-5-01
C. Braitenberg, G. Romeo, Q. Taccetti, I. Nagy, S. Papacchioli
The very-broad-band long-base tiltmeters of Grotta Gigante (Trieste, Italy): Secular term tilting and the great Sumatra-Andaman Islands earthquake of December 26, 2004

ETS-5-02

N. d'Oreye de lantremange and Walter Zürn: Quarter-diurnal tides observed with the long baseline water-tube tiltmeter

ETS-5-03

Á. Rotár-Szalkai, I. Eper-Pápai, Gy. Mentés
Well level data analysis in Hungary near a fault region

ETS-5-04

T. Jahr, H. Letz, G. Jentzsch:
The ASKANIA borehole tiltmeter array at the KTB location / Germany.

ETS-5-08

S. Takemoto, Min Lee, C.-Y. Chen, M.-C. Kao, A. Mukai, T. Ikawa, T. Kuroda, T. Abe:
Tidal strain observations in Chu-Chi, Taiwan

ETS-05-11

T. Jahr, C. Kroner, A. Lippmann
Strainmeters observations at Moxa

ETS-05-15

A.P. Venedikov, J. Arnosó, W. Cai, R. Vieira, S. Tan, E.J. Velez:
Separation of long term thermal effects on strain measurements at the Geodynamics Laboratory of Lanzarote

ETS 6: Environmental Processes and Gravity

ETS-6-01

Y. Imanishi, K. Kokubob, H. Tatehatab
Effect of underground water on gravity observation at Matsushiro, Japan

ETS-6-02

J.-P. Boy and J. Hinderer
Study of the seasonal gravity signal in superconducting gravimeter data

ETS-6-04

T. Sato, J.P. Boy, Y. Tamura, K. Matsumoto, K. Asari, H.-P. Plag, O. Francis
Gravity tide and seasonal gravity variation at Ny-Ålesund, Svalbard in Arctic

ETS-6-06

H. Steffen, S. Kuhlmann b , T. Jahr, C. Kroner
Comparison of barometric pressure-induced noise in horizontal components – results from numerical modellings for the observatories Moxa and Schiltach

ETS-6-07

J.-P. Boy, R. Ray and J. Hinderer
Diurnal atmospheric tide and gravity variations

ETS-6-10

Gy. Mentés and I. Eper-Pápai
Investigation of meteorological effects on strain measurements at two stations in Hungary

ETS-6-11

C. Kroner, T. Jahr

ETS-6-13

G. Harnisch and M. Harnisch

Hydrological influences in long gravimetric data series

ETS-6-14

M. Abe, S. Takemoto, Y. Fukuda, T. Higashi, Y. Imanishi, S. Iwano, S. Ogasawara, Y.

Kobayashi, H. Takiguchi,, S. Dwipa and D.S. Kusuma

Hydrological effects on the superconducting gravimeter observation in Bandung

ETS-7: Global Geodynamics

ETS-7-08

B. Ducarme, A.P. Venedikov, J. Arnos, X.D. Chen, H.P. Sun, R. Vieira

Global analysis of the GGP superconducting gravimeters network for the estimation of the pole tide gravimetric amplitude factor.

ETS-6-02

J.Y. Guo, O. Dierks, J. Neumeyer, C.K. Shum

Weighting algorithms to stack superconducting gravimeter data for the potential detection of the Slichter modes

ETS-7-05

M. Harnisch, G. Harnisch

Study of long-term gravity variations, based on data of the GGP co-operation

ETS-7-06

A. Lambert, N. Courtier and T.S. James

Long-term monitoring by absolute gravimetry: Tides to postglacial rebound

ETS-7-11

S. Rosat, Y. Rogister, D. Crossley, J. Hinderer

A search for the Slichter Triplet with superconducting gravimeters: Impact of the density jump at the inner core boundary

ETS-7-12

G. Roult, S. Rosat, E. Clévéde, R. Millot-Langet, J. Hinderer

New determinations of Q quality factors and eigenfrequencies for the whole set of singlets of the Earth's normal modes ${}_0S_0$, ${}_0S_2$, ${}_0S_3$ and ${}_2S_1$ using superconducting gravimeter data from the GGP network