
EGU 2008 Meeting Programme

Geodesy

Monday

G1 Marine gravity field modeling

Convener: A. Ardalan, A.
Co-Convener(s): Grafarend, E.

Lecture Room 6
Chairperson: ARDALAN, A. AND GRAFAREND, W.

8:30–8:45; EGU2008-A-08789; G1-1MO1O-001

Thomas, M.; Dobsław, H.
Opportunities and current limitations of marine gravity field modeling from space: An oceanographic perspective (solicited)

8:45–9:00; EGU2008-A-11815; G1-1MO1O-002

NASHED, Z.; Wang, Y.
Regularized kernel-based methods for model inversion for surface parameter retrieval and geodesy problems (solicited)

9:00–9:15; EGU2008-A-07163; G1-1MO1O-003

Andersen, O. B.; Knudsen, P.; Berry, P.; Freeman, J.; Pavlis, N.; Kenyon, S.
TI: The DNSC07 ocean-wide altimetry-derived gravity anomaly field (solicited)

9:15–9:30; EGU2008-A-11854; G1-1MO1O-004

Tziavos, I.N.; Vergos, G.S.; Grigoriadis, V.N.
Marine gravity field modeling using spectral methods (solicited)

9:30–9:45; EGU2008-A-03982; G1-1MO1O-005

Lequentrec-lalancette, L.; Louis, L.; Maia, M.; Rouxel, R.; Geli, G.; Royer, R.
Modeling the marine gravity field: constraints and limitations (solicited)

9:45–10:00; EGU2008-A-11169; G1-1MO1O-006

A. Ardalan, A.; Grafarend, E. W.; Karimi, R.; Poutanen, M.
A new Geodetic Boundary Value Problem approach to high-resolution geoid computations based on relative gravity, geopotential numbers, and Mean Sea Level as the boundary data \\Case study: Southwest Finland geoid

10:00 END OF SESSION

G1 Marine gravity field modeling – Posters

Convener: A. Ardalan, A.
Co-Convener(s): Grafarend, E.

Display Time: Monday, 08:00–19:30

Authors in Attendance: Monday, 17:30–19:00

Poster Area Halls X/Y
Chairperson: ARDALAN, A.

XY0313; EGU2008-A-10450; G1-1MO5P-0313

Otten, M.; **Schoenemann, E.;** Fenoglio-Marc, L.; Zandbergen, R.; Dow, J.; Becker, M.
Improved POD for Envisat at ESOC by latest reference frame and new mean and time-variable gravity field models (solicited)

XY0314; EGU2008-A-05571; G1-1MO5P-0314

Ardalan, A.A.; Karimi, R.; Sneeuw, N.
Application of satellite altimetry derived Mean Sea Level as a boundary data for an iterative gravimetric boundary value problem approach to the Sea Surface Topography and the marine geoid computations

XY0315; EGU2008-A-06395; G1-1MO5P-0315

A. Ardalan, A.; Hashemi-Farahami, H.
A new empirical global ocean tide and Mean Sea Level model based on Jason-1 satellite altimetry observations

XY0316; EGU2008-A-12082; G1-1MO5P-0316

A. Ardalan, A.; Karimi, R.
A minimum distance approach to marine geoid computation

XY0317; EGU2008-A-12121; G1-1MO5P-0317

A. Ardalan, A.; Grafarend, E. W.; Hashemi, H.; Sneeuw, N.; Poutanen, M.
On the latest improvements in the geoid's potential value computations: Procedure and accuracy

XY0318; EGU2008-A-11981; G1-1MO5P-0318

Hashemi, H.; A. Ardalan, A.
A study over indirect ocean tide effect on the GRACE observables

XY0319; EGU2008-A-12078; G1-1MO5P-0319

Jafari, M.; A. Ardalan, A.
Frequency domain versus time domain smoothing of physical observations

XY0320; EGU2008-A-00899; G1-1MO5P-0320

Ardalan, A.A.; Joodaki, G.; Nafisi, V.
On the marine geoid computations using MSL

XY0321; EGU2008-A-00360; G1-1MO5P-0321

Tourian, M.J.; Allahtavakoli, Y.
A new approach for estimation of sea surface topography (SST) from combined altimetry and gravimetry data, by applying generalized Tikhonov method in Geoid computation

XY0322; EGU2008-A-06104; G1-1MO5P-0322

Niedzielski, T.; **Kosek, W.**
Prediction accuracy of sea level anomalies data in the east-equatorial Pacific region in time of El Niño, La Niño and normal conditions

XY0323; EGU2008-A-03550; G1-1MO5P-0323

Cunderlik, R.; Faskova, Z.; Mikula, K.
Determination of gravity potential at oceans using efficient numerical methods

XY0324; EGU2008-A-10911; G1-1MO5P-0324

Kusznir, N.J.; Lebedeva-Ivanova, N.; Alvey, A.; Gee, D.; Gaina, C.; Torsvik, T.H.
Mapping Arctic Crustal Thickness and Ocean-Continent Transition using Gravity Inversion with a Lithosphere Thermal Correction

G2 Recent Developments in Geodetic Theory

Convener: Holota, P.
Co-Convener(s): Heck, B., Sneeuw, N.
Lecture Room 6
Chairperson: HOLOTA, P

13:30–13:45; EGU2008-A-05546; G2-1MO3O-001
Altamimi, Z.

Terrestrial reference systems from theory to implementation (solicited)

13:45–14:00; EGU2008-A-07996; G2-1MO3O-002

Boucher, C

Theoretical background of Terrestrial Reference Systems

14:00–14:15; EGU2008-A-08307; G2-1MO3O-003

Xu, P.L.

Position and velocity perturbations for the determination of the Earth's gravity field (solicited)

14:15–14:30; EGU2008-A-11428; G2-1MO3O-004

Svehla, D.

Combination of kinematic orbit and analytical perturbation theory for the determination of precise orbit and gravity field

14:30–14:45; EGU2008-A-07296; G2-1MO3O-005

Yang, Y

Main progress of adaptively robust filter with applications in navigation

14:45–15:00; EGU2008-A-02165; G2-1MO3O-006

Klokocnik, J.; Bezdek, A.; Kosteletzky, J.; Floberghagen, R.; Gruber, Ch.

Resonances and GOCE orbit selection

15:00 COFFEE BREAK

Chairperson: HECK, B.

15:30–15:45; EGU2008-A-10113; G2-1MO4O-001

Díaz, G.; Díaz, J.I.; **Otero, J.**

Construction of the maximal solution of Backus' problem (solicited)

15:45–16:00; EGU2008-A-02258; G2-1MO4O-002

Cunderlik, R.; Mikula, K.

Direct BEM Formulation for the Global Gravity Field Modelling

16:00–16:15; EGU2008-A-09370; G2-1MO4O-003

Holota, P.; Nesvadba, O.

Direct methods and an iteration approach in solving the gravimetric boundary value problem

16:15–16:30; EGU2008-A-01082; G2-1MO4O-004

Ardalan, A.; Karimi, R.; Bilker-Koivula, M.

A new ellipsoidal Boundary Value Problem approach to telluroid and quasigeoid computations

16:30–16:45; EGU2008-A-12277; G2-1MO4O-005

Veicherts, M. L.; Tscherning, C. C.

Accelerating generalized blocked Cholesky factorization using multiple processors

16:45–17:00; EGU2008-A-03659; G2-1MO4O-006

Gruber, Ch

Efficient computation of linear equation systems to analyse irregular gravity observations

17:00 COFFEE BREAK

Chairperson: SNEEUW, N.

17:30–17:45; EGU2008-A-12305; G2-1MO5O-001

Grafarend, E.

System dynamics of polar motion (POM) and length-of-day (LOD) variation (solicited)

17:45–18:00; EGU2008-A-03232; G2-1MO5O-002

Kusche, J.; Rietbroek, R.

On the problem of combining time-variable spherical harmonic potential field data with time series of point-wise, broad-band, data (solicited)

18:00–18:15; EGU2008-A-09355; G2-1MO5O-003

Heck, B.; Seitz, K.

Representation of the time variable gravity field due to hydrological mass variations by surface layer potentials

18:15–18:30; EGU2008-A-05257; G2-1MO5O-004

Knudsen, P.; Andersen, O.

Optimal Filtering of Mean Dynamic Topography Models

18:30–18:45; EGU2008-A-04425; G2-1MO5O-005

Marchenko, A.N.

The global density distribution, internal potential, and gravitational potential energy based on the Earth's fundamental parameters

18:45–19:00; EGU2008-A-07682; G2-1MO5O-006

Doufexopoulou, M.G.

Geodesy beyond the geodetic goals

19:00 END OF SESSION

G4 The impact of technique errors on reference frame accuracy and stability – Posters

Convener: Altamimi, Z.

Co-Convener(s): Ray, J.

Display Time: Monday, 08:00–19:30

Authors in Attendance: Monday, 17:30–19:00

Poster Area Halls X/Y

Chairperson: ALTAMIMI, Z.

XY0325; EGU2008-A-01663; G4-1MO5P-0325

Biagi, L.; **Caldera, S.;** Sansò, F.

Sensitivity of local permanent networks estimates with respect to the elaboration parameters

XY0326; EGU2008-A-01715; G4-1MO5P-0326

King, M.A.

Apparent stability of GPS monumentation from long-running short baselines

XY0327; EGU2008-A-01852; G4-1MO5P-0327

Santamaría, A.; Bouin, M-N.; Wöppelmann, G.

New strategy for reprocessing a global GPS network at the ULR TIGA analysis centre

XY0328; EGU2008-A-01869; G4-1MO5P-0328

Altamimi, Z.

Pre-analysis in view of the next ITRF solution

XY0329; EGU2008-A-02022; G4-1MO5P-0329

Wresnik, J.; Böhm, J.; Pany, A.; Schuh, H.

VLBI2010 Monte Carlo simulations at IGG Vienna

XY0330; EGU2008-A-02616; G4-1MO5P-0330

Weston, N.; Soler, T.; Mader, G.

Rover station positional accuracies from OPUS as a function of reference station spacing and occupation time

XY0331; EGU2008-A-03520; G4-1MO5P-0331
Schillak, S.
 The comparison of the reference frames ITRF2000 and ITRF2005 in the determination SLR station positions and velocities

XY0332; EGU2008-A-03489; G4-1MO5P-0332
Legrand, J; Bruyninx, C; Pottiaux, E
 Sensibility of the Reference Frame Definition in a Regional GNSS Network

XY0333; EGU2008-A-03920; G4-1MO5P-0333
Gambis, D.; Bizouard, C.; Altamimi, Z.
 Monitoring the consistency between ITRF2005 and IERS Earth Orientation Parameters

XY0334; EGU2008-A-05430; G4-1MO5P-0334
Smirnov, V.M.; Smirnov, A.V.
 The correction of the tropospheric refraction effect in satellite measurements

XY0335; EGU2008-A-05658; G4-1MO5P-0335
Lejba, P.
 Determination of SLR stations coordinates and velocities on the basis of laser observations of low satellites.

XY0336; EGU2008-A-06237; G4-1MO5P-0336
POLLET, A.; Coulot, D.; Capitaine, N.
 Combination of space geodetic techniques at the measurement level

XY0337; EGU2008-A-06239; G4-1MO5P-0337
Kierulf, H. P.; Pettersen, B.-R.; MacMillan, D.
 The Geodetic Observatory at Ny-Aalesund: different techniques - different results?

XY0338; EGU2008-A-06247; G4-1MO5P-0338
Coulot, D.; Collilieux, X.; van Dam, T.; Berio, P.
 Use of loading effect models and gps station position time series for slr data processing

XY0339; EGU2008-A-06741; G4-1MO5P-0339
Meisel, B.; Krügel, M.; Angermann, D.
 Improved parameterization for the computation of a terrestrial reference frame

XY0340; EGU2008-A-06944; G4-1MO5P-0340
Koenig, R.; Vei, M.; Flechtner, F.; Thomas, M.
 The Effect of Atmospheric/Oceanic Mass Variations on the SLR Reference Frame

XY0341; EGU2008-A-07262; G4-1MO5P-0341
Saadat, A.R
 Quality assessment of BGI gravity data in Iran

XY0342; EGU2008-A-09198; G4-1MO5P-0342
 Lanotte, L.; **Bianco, B.**
 Matera site survey and VLBI invariant point determination

XY0343; EGU2008-A-09261; G4-1MO5P-0343
Appleby, G.; Gibbs, P.; Otsubo, T.
 Improvements in understanding of systematic effects in laser ranging observations

XY0344; EGU2008-A-09368; G4-1MO5P-0344
Zou, R.; Sneeuw, N.; Cai, J.; Liu, J.; Shi, C.
 The comparison of methods and results by IGN and DGFI in the realization of ITRF2005

XY0345; EGU2008-A-09773; G4-1MO5P-0345
Wilkinson, M.; Sherwood, R.; Appleby, G.
 Analysis of short GPS baselines at SGF Herstmonceux

XY0346; EGU2008-A-11154; G4-1MO5P-0346
MacMillan, D.
 Improvement in stability and accuracy of the VLBI reference frame realized with the next generation of VLBI stations

XY0347; EGU2008-A-11882; G4-1MO5P-0347
Sokolova, J.; Malkin, Z.; Heinkelmann, R.; Schuh, H.
 Some plausible causes of radio source coordinate variations

XY0348; EGU2008-A-12065; G4-1MO5P-0348
Lemoine, F.G.; Valette, J.J.; Soudarin, L.; Willis, P.; Gobinddass, M.-L.; Stepanek, P.; Kuzin, S.; Le Bail, K.; Chinn, D.; Govind, R.
 Progress towards a DORIS combination for the next ITRF

G9 Geophysical models for the analysis of space-geodetic techniques

Convener: Nothnagel, A.
 Co-Convener(s): Pavlis, E.
 Lecture Room 6
 Chairperson: NOTHNAGEL, A.

10:30–10:45; EGU2008-A-10566; G9-1MO2O-001
Salstein, D.A.; Long, C.; Zhou, Y.H.; Quinn, K.
 Quality of atmospheric fields for geodetic studies (solicited)

10:45–11:00; EGU2008-A-08197; G9-1MO2O-002
Nilsson, T.; Haas, R.; Elgered, G.
 Atmospheric turbulence modelling for space geodesy

11:00–11:15; EGU2008-A-11093; G9-1MO2O-003
Petrov, L.
 Modeling slanted path delay using numerical 4D models of the atmosphere

11:15–11:30; EGU2008-A-08941; G9-1MO2O-004
van Dam, T.; Boehm, J.; Tesmer, V.
 Atmospheric loading effects for operational geodetic data processing (solicited)

11:30–11:45; EGU2008-A-06309; G9-1MO2O-005
Boy, J.-P.; Gégout, P.; Hinderer, J.; Luthcke, S. B.; Pavlis, E. C.; Rowlands, D. D.
 Atmospheric loading effects on time-variable gravity and surface displacements (solicited)

11:45–12:00; EGU2008-A-05142; G9-1MO2O-006
Bos, M.S.; Penna, N.T.; Baker, T.F.; Scherneck, H.-G.; Bastos, L.
 Current state of ocean tide loading displacement modelling (solicited)

12:00 END OF SESSION

G9 Geophysical models for the analysis of space-geodetic techniques – Posters

Convener: Nothnagel, A.
 Co-Convener(s): Pavlis, E.
 Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 17:30–19:00
 Poster Area Halls X/Y
 Chairperson: N.N.

XY0349; EGU2008-A-09917; G9-1MO5P-0349
Benavent, M.; Arnoso, J.; Montesinos, F. G.
 First results of a new ocean tide loading model by data assimilation in the nearby of Iberian Peninsula

XY0350; EGU2008-A-06956; G9-1MO5P-0350
Gégout, P.; Boy, J.-P.; Hinderer, J.; Ferhat, G.
 Modeling and Observation of Loading Contribution to Time-Variable GPS Sites Positions

XY0351; EGU2008-A-04226; G9-1MO5P-0351
Gross, R. S.
 An Empirical Model for the Effects of Long Period Ocean Tides on Polar Motion Excitation

XY0352; EGU2008-A-08308; G9-1MO5P-0352
Appleby, G; Wilkinson, M; Smith, V
 Analysis of vertical motion at Herstmonceux from satellite geodesy and absolute gravity

XY0353; EGU2008-A-06997; G9-1MO5P-0353
Koenig, R.; Flechtner, F; Thomas, M.
 Long-term Atmosphere and Ocean Induced Mass Variations and an Example of their Use in SLR Analysis

XY0354; EGU2008-A-05380; G9-1MO5P-0354
Pavlis, E. C.
 Weekly SLR series of 'TRF origin'-geocenter variations

XY0355; EGU2008-A-11345; G9-1MO5P-0355
Ries, J.; Chambers, D.; Cheng, M.
 Seasonal geocenter motion – is there a consensus?

XY0356; EGU2008-A-11368; G9-1MO5P-0356
Lemoine, F; Zelensky, N; Pavlis, E; Rowlands, D; Chinn, D; Beckley, B; Boy, JP
 Impact of Modelling Improvements on POD for TOPEX/Poseidon and Jason

G10 Geodetic and Geodynamic Programmes of the CEI (Central European Initiative)

Convener: Sledzinski, J.
 Co-Convener(s): Kostecky, J.
 Lecture Room 7
 Chairperson: BALODIS, J

13:30–14:00; EGU2008-A-02410; G10-1MO3O-001
Pesec, P.
 CERGOP-2/ENVIRONMENT, completion and future aspects (solicited)

14:00–14:15; EGU2008-A-01328; G10-1MO3O-002
Caporali, A.; The CERGOP 2 Team
 Geokinematics of Central Europe: new Insights from the CERGOP-2/Environment Project

14:15–14:30; EGU2008-A-02536; G10-1MO3O-003
Stangl, G.; Aichhorn, C.; Krauss, S.
 Comparing velocity estimations from permanent time series and CEGRN epoch campaigns

14:30–14:45; EGU2008-A-02532; G10-1MO3O-004
Aichhorn, C.; Krauss, S.; Stangl, G.
 A velocity field for Romania and Bulgaria

14:45–15:00; EGU2008-A-05335; G10-1MO3O-005
Schenk, V.
 Recent Geodynamics of the Bohemian Massif

15:00 COFFEE BREAK

Chairperson: MANZONI, G

15:30–15:45; EGU2008-A-09490; G10-1MO4O-001
Mojzes, M.; Papco, J.
 Detection of the vertical movements using the GPS and the absolute gravity measurements

15:45–16:00; EGU2008-A-05108; G10-1MO4O-002
Abele, M.; **Balodis, J.;** Mitrofanovs, I.; Rubans, A.; Zarinsh, A.
 EUPOS-RIGA and SLR EUPOS-RIGA and

16:00–16:15; EGU2008-A-11960; G10-1MO4O-003
Pribicevic, B.; Medak, D.; Djapo, A.
 Densification of Zagreb Geodynamic Network

16:15–16:30; EGU2008-A-11959; G10-1MO4O-004
Medak, D.; Pribicevic, B.
 Opportunities for CEGRN-Consortium within FP7

16:30–16:45; EGU2008-A-02183; G10-1MO4O-005
Novotny, Z.; Kostecky, J.
 The estimated annual velocities of EUREF-EPN stations located in Central European region

16:45–17:00; EGU2008-A-02173; G10-1MO4O-006
Cepek, A.; Kostecky, J.; Pytel, J.
 Preliminary Adjustment of New Coordinate System S-JTSK/05

17:00 COFFEE BREAK

Chairperson: SCHENK, V

17:30–18:00; EGU2008-A-04723; G10-1MO5O-001
Manzoni, G.; MONITOR GEONETLAB
 GALILEO in Civil Engineering in CEI perspectives: a Pilot Project of MONITOR (solicited)

18:00–18:15; EGU2008-A-04763; G10-1MO5O-002
Manzoni, G.; Sluga, T; Martinolli, S; Gherdevich, D; Rizzo, R.G.; Robiglio, C
 The several applications of a Mobile Mapping System

18:15–18:30; EGU2008-A-01949; G10-1MO5O-003
Simek, J.; Kostecky, J.; Kostecky (jr.), J.; Dousa, J.; Filler, V.
 Permanent GNSS array in the Czech Republic benefits geodetic and geodynamical applications

18:30–18:45; EGU2008-A-02251; G10-1MO5O-004
Pálinkás, V.; Kostecký (jr.), J.
 Superconducting gravimeter OSG-050 at the Pecny station

18:45 END OF SESSION

G10 Geodetic and Geodynamic Programmes of the CEI (Central European Initiative) – Posters

Convener: Sledzinski, J.
 Co-Convener(s): Kostecky, J.
 Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 17:30–19:00
 Poster Area Halls X/Y
 Chairperson: WOLSKI, A

XY0357; EGU2008-A-05325; G10-1MO5P-0357
Schenk, V.; Schenkova, Z.; Jechumtálová, Z.
 Geodynamic Pattern of the West Bohemia Area Based on Permanent GPS Measurements

XY0358; EGU2008-A-06681; G10-1MO5P-0358
Filler, V.
 Test of Stability of GNSS Sites on Czech Republic area by Combination of Daily Normal Equations

XY0359; EGU2008-A-06710; G10-1MO5P-0359
Stepanek, P.; Filler, V.; Hugentobler, U.
 Recent DORIS data analysis on Geodetic Observatory Pecny

XY0360; EGU2008-A-07129; G10-1MO5P-0360
Zajac, M.
 Periodic components of GPS time series of selected permanent stations estimation using wavelets, and jumps detection using innovation vector of Kalman filtering.

- XY0361**; EGU2008-A-07487; G10-1MO5P-0361
Kaplon, J.; Cacoň, S.
Geodetic monitoring of recent tectonic activity of the marginal sudetic fault
- XY0362**; EGU2008-A-10800; G10-1MO5P-0362
Lieksne, L.; Sirmele, I.; Kaminskis, J.
Geodetic reference station RIGA
- XY0363**; EGU2008-A-01735; G10-1MO5P-0363
Hefty, J.
Densification of the Central Europe velocity field using velocities from local and regional geokinematical projects
- XY0364**; EGU2008-A-09602; G10-1MO5P-0364
Drescher, R.; Becker, M.
The 2007 reprocessing of CEGRN: Improvement of the GPS campaign adjustments by the use of the latest ITRF and IGS processing standards
- XY0365**; EGU2008-A-01814; G10-1MO5P-0365
Dousa, J.; Bartosova, P.
Testing Real-Time GNSS Data Streams for Supplying the GOP Data Center
- XY0366**; EGU2008-A-11039; G10-1MO5P-0366
Kratochvil, R.
Accuracy evaluation and velocity derivation of CEGRN sites performed at GOP AC
- XY0367**; EGU2008-A-11301; G10-1MO5P-0367
Bilajbegovic, A.; Vrce, E.; Tuno, N.; Mulic, M.; Mulahusic, A.; Omicevic, D.
Local geodynamic velocities by GPS and 3D model of the terrain deformation in Tuzla
- XY0368**; EGU2008-A-11355; G10-1MO5P-0368
Bilajbegovic, A.; Vrce, E.; Tuno, N.; **Mulic, M.**; Mulahusic, A.; Omicevic, D.; Sarajevo
Study of terrain deformation examinations in the town Tuzla using geodetic methods.
- XY0369**; EGU2008-A-00652; G10-1MO5P-0369
Sledzinski, J.; Graszka, W.
The establishment of the ASG-EUPOS (Active Control Network) in Poland
- XY0370**; EGU2008-A-03923; G10-1MO5P-0370
Grácová, M.; Schenk, V.; Schenková, Z.; Mantlík, F.
Kinematics of the Bohemian Massif assessed from GPS observations
- XY0371**; EGU2008-A-01994; G10-1MO5P-0371
Bogusz, J.; Klek, M.
Calibration of spring gravimeter ET-26 using absolute gravity measurements
- XY0372**; EGU2008-A-01995; G10-1MO5P-0372
Bogusz, J.; Klek, M.
Seasonal modulation of the tidal waves
- XY0373**; EGU2008-A-01997; G10-1MO5P-0373
Bogusz, J.
Tidal observations in Astro-Geodetic Observatory in Jozefoslaw
- XY0374**; EGU2008-A-04774; G10-1MO5P-0374
Kruczyk, M.
Tropospheric GPS solution IPW and meteorological sources – conformity study
- XY0375**; EGU2008-A-00012; G10-1MO5P-0375
Banachowicz, A.; Bober, R.; Szewczuk, T.; **Wolski, A.**
Parallel operation of GPS receivers
- XY0376**; EGU2008-A-00196; G10-1MO5P-0376
Banachowicz, A.; Banachowicz, G.; Bober, R.; Szewczuk, T.; **Wolski, A.**
Correlation functions of GPS/DGPS position coordinate measurements
- XY0377**; EGU2008-A-04363; G10-1MO5P-0377
Trómiński, P.; Fellner, A.; Zajac, J.; Banaszek, K.
Alternative for Kalman filter – two dimension self-learning filter with memory, implementation in State University in Che³m.
- XY0378**; EGU2008-A-05202; G10-1MO5P-0378
Fellner, A.; Banaszek, K.; Trominski, P.
The implementation of the EGNOS system to APV
- XY0379**; EGU2008-A-05085; G10-1MO5P-0379
Wozniak, M.; Odziemczyk, W.; Jstrzëbski, S.; Wojciechowski, J.
Investigation of short-term roof structure deformations using geodetic methods
- XY0380**; EGU2008-A-05124; G10-1MO5P-0380
Wozniak, M.
Monitoring of construction shape changes using reflectorless techniques
- XY0381**; EGU2008-A-07939; G10-1MO5P-0381
Szpunar, R.
Recursive multipath effect mitigation in kinematic satellite observations
- XY0382**; EGU2008-A-08003; G10-1MO5P-0382
Szpunar, R.; Walo, J.; Próchniewicz, D.; Wozniak, M.
Multipath effect analysis on selected points in control network “Wióry”
- XY0383**; EGU2008-A-09667; G10-1MO5P-0383
Barlik, M.; Olszak, T.; Pachuta, A.; Próchniewicz, D.; Szpunar, R.; Walo, J.
Densification of absolute zero-order network in Poland
- XY0384**; EGU2008-A-10797; G10-1MO5P-0384
Barlik, M.; Olszak, T.; Pachuta, A.
Examination of the long-standing non-tidal changes of the absolute gravity at main tectonic units on Poland territory
- XY0385**; EGU2008-A-10749; G10-1MO5P-0385
Grzempowski, P.; Cacoň, S.
Artificial neural network in analysis of vertical movements of the ground surface in Cainozoic deposits areas
-
- IS10 - G17/HS1.7/NH10.4 Ground Movement: Measurements, Subsurface Causes, and Interpretation (co-organized by G, HS & NH; co-listed in GM) – Posters**
- Convener: Fokker, P.
Co-Convener(s): Muntendam-Bos, A., Bawden, G.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: BAWDEN, G.
- XY0386**; EGU2008-A-02945; IS10 - G17/HS1.7/NH10.4-1MO5P-0386
Obanawa, H.; Tokunaga, T.
Analysis of possible expansion of flood hazardous area induced by land subsidence: a case study at the Kujukuri Plain in Chiba Prefecture, Japan

XY0387; EGU2008-A-04790; IS10 - G17/HS1.7/NH10.4-1MO5P-0387

Aichi, M.; Tokunaga, T.

Simulation of the ground movement caused by groundwater extraction using a nested modeling scheme to integrate regional groundwater flow and local groundwater flow/land subsidence; an example from Tokyo

XY0388; EGU2008-A-11634; IS10 - G17/HS1.7/NH10.4-1MO5P-0388

Muntendam-Bos, A.G.; Bakr, M.; de Lange, G.; Fokker, P.A..

Unravelling shallow causes of subsidence

XY0389; EGU2008-A-01245; IS10 - G17/HS1.7/NH10.4-1MO5P-0389

Arnoso, J.; Montesinos, F.G.; Benavent, M.

Analysis of ground tilt measurements made in El Hierro (Canary Islands)

XY0390; EGU2008-A-02090; IS10 - G17/HS1.7/NH10.4-1MO5P-0390

Graniczny, M.; **Czarnogórska, M.;** Kowalski, Z.

Registration of dynamics of surface changes in the Upper Silesia (SW Poland) using Persistent Scatterer Interferometry

XY0391; EGU2008-A-02209; IS10 - G17/HS1.7/NH10.4-1MO5P-0391

Pytharouli, S.; Stiros, S.

Investigation of the kinematic pattern and spectral characteristics of Mandria landslide (Greece)

XY0392; EGU2008-A-04608; IS10 - G17/HS1.7/NH10.4-1MO5P-0392

Akay, G.; Ozener, H.

Investigation of the baseline length changes from 1941 to 2007 using terrestrial and GPS measurements along the western part of North Anatolian Fault in Marmara region

XY0393; EGU2008-A-06144; IS10 - G17/HS1.7/NH10.4-1MO5P-0393

Buurman, N.; **Reuther, C.-D.**

Identification and characterization of recent and paleo subsurface collapse structures in the metropolitan region of Hamburg – a hazard potential analysis

XY0394; EGU2008-A-06207; IS10 - G17/HS1.7/NH10.4-1MO5P-0394

Reuther, C.-D.; Buurman, N.; Dahm, T.; Dehghani, A.; Kühn, D.; Möller, D.P.F.; Ohrnberger, M.; Scherbaum, F.; Wittmann, J.

Detection of the subsurface structure in the Metropolitan region of Hamburg The HADU-Project (Hamburg - A Dynamic Underground)

XY0395; EGU2008-A-07239; IS10 - G17/HS1.7/NH10.4-1MO5P-0395

Valko, M.

The effect of the point thermal source on measured geodetic parameters

XY0396; EGU2008-A-10165; IS10 - G17/HS1.7/NH10.4-1MO5P-0396

Dima, N.; Veres, I.; **Filip, L.**

The algorithm of calculus of the vertical displacement above an exploited surface

XY0397; EGU2008-A-07980; IS10 - G17/HS1.7/NH10.4-1MO5P-0397

Lee, H.; Choi, H.S.; Shim, T.M.; Im, C.B.; Noh, M.; Hyun, S.G.; Park, K.S.; Kim, S.Y.

Currently Used Fault Monitoring Systems: a Review for the Application in Korea

XY0398; EGU2008-A-01319; IS10 - G17/HS1.7/NH10.4-1MO5P-0398

allamehzadeh, M

Discrimination between Earthquakes and Explosions Using Markov

Tuesday

G2 Recent Developments in Geodetic Theory – Posters

Convener: Holota, P.

Co-Convener(s): Heck, B., Sneeuw, N.

Display Time: Tuesday, 08:00–19:30

Authors in Attendance: Tuesday, 17:30–19:00

Poster Area Halls X/Y

Chairperson: HOLOTA, P.

XY0313; EGU2008-A-07395; G2-1TU5P-0313

Richard, J.Y.; Gambis, D.; Lemoine, J.M.; Biancale, R.

Global combination of station coordinates and Earth rotation parameters

XY0314; EGU2008-A-10048; G2-1TU5P-0314

Prange, L.; Jäggi, A.; Bock, H.; Dach, R.; Beutler, G.; Mervart, L.

The influence of GNSS model changes on gravity field recovery using spaceborne GPS

XY0315; EGU2008-A-06179; G2-1TU5P-0315

Kocak, G.; Heck, B.

ARMA modeling of GPS time series

XY0316; EGU2008-A-00089; G2-1TU5P-0316

Kheloufi, N.; Zeggai, A.; Kahlouche, S.; Ait ahmed Lamara, R.; Ghezali, B.

An approach for computing coordinates transformation parameters between WGS84 and North Sahara.

XY0317; EGU2008-A-10202; G2-1TU5P-0317

Sahabi, h

Optimal Configuration Design of Geodetic Networks Using Penalty Function-Based Genetic Algorithm

XY0318; EGU2008-A-11661; G2-1TU5P-0318

Behnabian, B.

A new method for multiple blunder detection in least squares adjustments by the analysis of the redundancy matrix elements

XY0319; EGU2008-A-07810; G2-1TU5P-0319

Prutkin, I.; Klees, R.; Alberts, B.

Reducing of the edge effect while upward continuation of gravity data

XY0320; EGU2008-A-03400; G2-1TU5P-0320

Janak, J.; Xu, P.L.; Fukuda, Y.

Stability investigation of gradiometric inverse problems for anomalous gravity tensor components

XY0321; EGU2008-A-05838; G2-1TU5P-0321

Wang, X.T

Regularization method for the downward continuation of airborne gravity data

XY0322; EGU2008-A-05884; G2-1TU5P-0322

Sun, S.; Xia, X.; Li, L.

Cross-Coupling Correction for the LaCoste&Romberg Airborne Gravimeter

XY0323; EGU2008-A-04393; G2-1TU5P-0323

Abd-Elmotaal, H.A.; Kuehtreiber, N.

Gravity interpolation in mountainous areas

XY0324; EGU2008-A-07670; G2-1TU5P-0324
Hamayun, H.; Prutkin, I.; Tenzer, R.
Analytical expression in terms of the line integrals for a potential of the polyhedral bodies with linearly varying density

XY0325; EGU2008-A-07754; G2-1TU5P-0325
Hamayun, H.; Tenzer, R.; Prutkin, I.
Global map of the no-topography gravity anomalies

XY0326; EGU2008-A-11728; G2-1TU5P-0326
Wang, Y. M.
Computation of indirect and direct effects of the second Helmert's condensation using STRM30 digital elevation model

XY0327; EGU2008-A-07181; G2-1TU5P-0327
Manoussakis, G.; Delikaraoglou, D.
On the structure of the local ridges of the equipotential surfaces of the Earth's gravity field

XY0328; EGU2008-A-03572; G2-1TU5P-0328
Faskova, Z.; Mikula, K.; Cunderlik, R.
On finite element and finite volume methods for solving geodetic boundary value problem

XY0329; EGU2008-A-08958; G2-1TU5P-0329
Nesvadba, O.
Experimental studies on multi-scale representation of the gravitational potential of the Earth

XY0330; EGU2008-A-11594; G2-1TU5P-0330
Elhabiby, M.M.; Xu, C.; Sideris, M.G.
Studies on the Potential of Using a Combined Wavelet-Torus Algorithm for Global Gravity Field Analysis

XY0331; EGU2008-A-09545; G2-1TU5P-0331
Mojses, M.; Valko, M.
Determination of physical heights using Global Geopotential Model, GPS/GNSS and gravity measurements

XY0332; EGU2008-A-02703; G2-1TU5P-0332
Einarsson, I.; Kusche, J.
Scale-dependant sensitivity analysis of time-variable gravity field data

XY0333; EGU2008-A-00884; G2-1TU5P-0333
Nafisi, V.; Joodaki, G.; Nafisi, B.
A Proposal for detection of the crustal movements by numerical filters. Case study: Kenai peninsular

XY0334; EGU2008-A-06120; G2-1TU5P-0334
Kluegel, T.; Wziontek, H.; Abe, M.; Kroner, C.
Computation of atmospheric gravity changes from 3-dimensional numerical weather models

XY0335; EGU2008-A-06123; G2-1TU5P-0335
Creutzfeldt, B.; Güntner, A.; Klügel, T.
Simulating the influence of water storage changes on the superconducting gravimeter signal at the Geodetic Observatory Wettzell, Germany.

XY0336; EGU2008-A-08651; G2-1TU5P-0336
Karsli, F.
Building detection from laser scanning data for its integration with GIS

G4 The impact of technique errors on reference frame accuracy and stability

Convener: Altamimi, Z.
Co-Convener(s): Ray, J.
Lecture Room 6
Chairperson: ALTAMIMI, Z.

8:30–8:45; EGU2008-A-01500; G4-1TU1O-001
Petit, G.; Luzum, B.
Towards a new reference edition of the IERS Conventions (solicited)

8:45–9:00; EGU2008-A-12066; G4-1TU1O-002
Biancale, R.; Marty, J.-C.; Perosanz, F.; Loyer, S.; Melachroinos, S.
Surface load models and validation by space geodesy techniques (solicited)

9:00–9:15; EGU2008-A-02844; G4-1TU1O-003
Hernandez-Pajares, M.; Juan, J.M.; Sanz, J.
Second-order ionospheric term in High Precision GPS modelling: Impact and Simple Procedure implementation (solicited)

9:15–9:30; EGU2008-A-01694; G4-1TU1O-004
Ray, J.
A survey of some systematic errors in IGS products

9:30–9:45; EGU2008-A-04455; G4-1TU1O-005
Petrachenko, W.; The VLBI2010 Team
VLBI2010: A new VLBI system for geodesy and astrometry (solicited)

9:45–10:00; EGU2008-A-03326; G4-1TU1O-006
Sarti, P.; Abbondanza, C.; Montaguti, S.; Vittuari, L.
An investigation on the stability of VLBI telescope's invariant point (solicited)

10:00 COFFEE BREAK

Chairperson: RAY, J.

10:30–10:45; EGU2008-A-07532; G4-1TU2O-001
Senior, K.; Kouba, J.; Ray, J.
A Kalman filter to combine VLBI UT1 and GPS LOD estimates (solicited)

10:45–11:00; EGU2008-A-08436; G4-1TU2O-002
Boeckmann, S.; Artz, T.; Nothnagel, A.; Tesmer, V.
The IVS combination and evaluation of the derived EOP wrt IGS and IERS (solicited)

11:00–11:15; EGU2008-A-09217; G4-1TU2O-003
Bianco, G.; Luceri, V.; Sciarretta, C.
Stability and consistency of the SLR contribution to the ITRF (solicited)

11:15–11:30; EGU2008-A-06578; G4-1TU2O-004
Willis, P.; Gobinddass, M.L.
Systematic errors in DORIS-derived terrestrial reference frame: How large are they and how much can they be avoided? (solicited)

11:30–11:45; EGU2008-A-06252; G4-1TU2O-005
Collilieux, X.; Altamimi, Z.; van Dam, T.; Coulot, D.; Ray, J.
Impact of loading effects on the Terrestrial Reference Frame determination (solicited)

11:45–12:00; EGU2008-A-10626; G4-1TU2O-006
Lidberg, M.; Nordman, M.; Johansson, J. M.; Milne, G. A.; Scherneck, H.-G.; Davis, J. L.
Geodetic Reference Frames in Presence of Crustal Deformations (solicited)

IS10 - G17/HS1.7/NH10.4 Ground Movement: Measurements, Subsurface Causes, and Interpretation (co-organized by G, HS & NH; co-listed in GM)

Convener: Fokker, P.
Co-Convener(s): Muntendam-Bos, A., Bawden, G.
Lecture Room 6
Chairperson: MUNTENDAM-BOS, A.G.

13:30–14:00; EGU2008-A-12293; IS10 - G17/HS1.7/NH10.4-1TU3O-001

Hanssen, R.F.; Caro Cuenca, M.; van Leijen, F.; Marinkovic, P.; van Zwielen, G.J.; Arikan, M.

One man's noise is the other man's music; using satellite radar interferometry for ground movement estimation (solicited)

14:00–14:15; EGU2008-A-03536; IS10 - G17/HS1.7/NH10.4-1TU3O-002

Casagli, N.; Corazza, A.; **Del Conte, S.;** Ferretti, A.; Proietti, C.

Contribution of Permanent Scatterers technique to the analysis of subsidence in urban area

14:15–14:30; EGU2008-A-05424; IS10 - G17/HS1.7/NH10.4-1TU3O-003

Davis, E.; Marsic, S.; Roadarmel, W.

Integrating InSAR, tilt and GPS measurements for improved deformation monitoring

14:30–14:45; EGU2008-A-03317; IS10 - G17/HS1.7/NH10.4-1TU3O-004

Bingley, R. M.; Teferle, F. N.; Williams, S. D.; Blackman, D. L.; Riedmann, M.; Haynes, M.; Aldiss, D. T.; Burke, H. C.; Chacksfield, B. C.; Tragheim, D. G.

The measurement and interpretation of current changes in land levels in London and along the Thames estuary

14:45–15:00; EGU2008-A-04414; IS10 - G17/HS1.7/NH10.4-1TU3O-005

Bawden, G.; Howle, J.; Bond, S.; Osterhuber, R.

Ultra-high resolution four-dimensional surface-change measurements using ground-based Tripod LiDAR for earthquake, debris flow, and spatially varied snow-depth analysis

15:00 COFFEE BREAK

Chairperson: FOKKER, P.A.

15:30–16:00; EGU2008-A-04894; IS10 - G17/HS1.7/NH10.4-1TU4O-001

Du, J.; Davis, E. J.; Roadarmel, W. H.; Wright, C. A.

Imaging Reservoir Fluid Flow Using Tiltmeter-Based Surface Deformation Measurements (solicited)

16:00–16:15; EGU2008-A-09735; IS10 - G17/HS1.7/NH10.4-1TU4O-002

Sen, V.; **Settari, A.;** Walters, D.A.

Ground movement above compacting petroleum reservoirs – physics, parametric study of typical offshore reservoirs, and integration with seismic imaging.

16:15–16:30; EGU2008-A-12244; IS10 - G17/HS1.7/NH10.4-1TU4O-003

Muntendam-Bos, A.G.; Fokker, P.A.; Kroon, I.C.

Dynamic reservoir compaction inferred from 4D surface subsidence observations

16:30–16:45; EGU2008-A-03142; IS10 - G17/HS1.7/NH10.4-1TU4O-004

Biessy, G.; Moreau, F.; Dauteuil, O.; Gavrilenko, P.; Bour, O
Ground deformation above a granitic aquifer (French Brittany): GPS measurements and hydromechanical modeling (cancelled)

16:45–17:00; EGU2008-A-06040; IS10 - G17/HS1.7/NH10.4-1TU4O-005

Nepveu, M.; Kroon, I.C.; Breunese, J.

Raising a red flag: application of Bayesian statistics to surface subsidence issues

17:00 END OF SESSION

Wednesday

G3 GRACE Science Applications – Posters

Convener: Flechtner, F.

Co-Convener(s): Chambers, D., Ramillien, G.

Display Time: Wednesday, 08:00–19:30

Authors in Attendance: Wednesday, 17:30–19:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0347; EGU2008-A-08870; G3-1WE5P-0347

Schrama, E.; Wouters, B.; Lavallee, D.A.

Application of empirical orthogonal filters to GRACE surface mass data

XY0348; EGU2008-A-01182; G3-1WE5P-0348

Wouters, B.; Schrama, E.

Improving the accuracy of GRACE solutions through EOF filtering of spherical harmonics

XY0349; EGU2008-A-04112; G3-1WE5P-0349

Klees, R.; Gunter, B.; Liu, X.; Wittwer, T.; Tenzer, R.; Revtova, E.; Ditmar, P.; Winsemius, H.C.; Savenije, H.H.G

A comparison of regional and global GRACE gravity field models for terrestrial water change monitoring

XY0350; EGU2008-A-09088; G3-1WE5P-0350

Marty, J.C.; **Gratton, S.;** Bruinsma, S.L.; Balmino, G.; Baboulin, M.

Gravity Field Parameter Estimation Using QR Factorization

XY0351; EGU2008-A-09740; G3-1WE5P-0351

Schuh, W.D.; Becker, S

Estimable functions derived from gridded GRACE gravity fields

XY0352; EGU2008-A-05878; G3-1WE5P-0352

Wang, X.T.; Xiao, Y.

The effects of measuring errors on Earth gravity model recovered by SST-LL

XY0353; EGU2008-A-03056; G3-1WE5P-0353

Schmidt, T.; Fagiolini, E.; Flechtner, F.; **Heise, S.;** Wickert, J.

Comparison of ECMWF analyses with GPS radio occultations

XY0354; EGU2008-A-03428; G3-1WE5P-0354

Fagiolini, E.; Flechtner, F.; Gruber, T.; Schmidt, T.; Gruber, T.; Schwarz, G.; Trautmann, T.; Wickert, J.; Zenner, L.

Characterization of atmospheric data quality for an improved determination of Earth gravity fields

XY0355; EGU2008-A-06976; G3-1WE5P-0355

Fersch, B.; Kunstmann, H.; Bárdossy, A.

Regional atmospheric mass and moisture flux modeling and comparison to GRACE signals

XY0356; EGU2008-A-01189; G3-1WE5P-0356

Van Helleputte, T.; Doornbos, E.; van den IJssel, J.; Visser, P.

GRACE accelerometer calibration by precise orbit determination

XY0357; EGU2008-A-01592; G3-1WE5P-0357

Muskett, R

GRACE Secular Trends and Periodic Variations at Global and Regional Scales

XY0358; EGU2008-A-07011; G3-1WE5P-0358

Petrovic, S.; Schmidt, R.; Barthelmes, F.; Kusche, J.; Wunsch, J.; Hengst, R.

On the computation of trends from GRACE monthly gravity solutions

XY0359; EGU2008-A-06636; G3-1WE5P-0359

Steffen, H.; Müller, J.; Denker, H.

Using GRACE for land uplift investigations

XY0360; EGU2008-A-05980; G3-1WE5P-0360

Kindt, K.; Riegger, R.; Bárdossy, B.; Devaraju, D.; Sneeuw, S
Evaluation of GRACE Measurements with Hydrologic Data.

XY0361; EGU2008-A-07079; G3-1WE5P-0361

Schmidt, R.; Petrovic, S.; Werth, S.; Güntner, A.; Wunsch, J.; Barthelmes, F.; Hengst, R.; Kusche, J.

Detection of dominant periodic components of water storage changes from GRACE and global hydrology models revisited

XY0362; EGU2008-A-06981; G3-1WE5P-0362

Schmeer, M.; Bosch, W.; Schmidt, M.

Separation and Estimation of oceanic and hydrological Model Parameters from simulated Gravity Observations

XY0363; EGU2008-A-00761; G3-1WE5P-0363

Devaraju, B.; Sneeuw, N.; Kindt, H.; Riegger, J.; Lorenz, C.
Constraining GRACE monthly-solutions with hydrological mass estimates

XY0364; EGU2008-A-07122; G3-1WE5P-0364

van Dam, T.; ESA Mass Transport Study Team

Modelling individual sources of mass distribution and transport in the Earth system by means of satellites

XY0365; EGU2008-A-11046; G3-1WE5P-0365

A. Ardalan, A.; Hashemi, H.

Time variation of the geoid's gravity potential value W_0 , Sea Surface Topography (SST), and the marine geoid based on modern satellite altimetry and satellite gravimetry missions

XY0366; EGU2008-A-06608; G3-1WE5P-0366

Biancale, R.; Lemoine, J-M; Bruinsma, S; Gratton, S; Bourgogne, S

Reiteration of the CNES/GRGS 10-day series of gravity field models from GRACE and LAGEOS data

XY0367; EGU2008-A-01928; G3-1WE5P-0367

Bettadpur, S.; Watkins, M; Flechtner, F

GRACE Science Data System: Status and Data Products Update

XY0368; EGU2008-A-00490; G3-1WE5P-0368

Ramin Kiamehr, Dr.

Toward a new quasi-geoid model and normal height datum for Iran based on the recent GRACE model

XY0369; EGU2008-A-03305; G3-1WE5P-0369

Gruber, Ch.; Wagner, C; Gooding, R; Kosteletzky, J; Klokocnik, J

CHAMP and GRACE resonance analysis

XY0370; EGU2008-A-03443; G3-1WE5P-0370

Gruber, Ch.; Bezdek, A; Novak, P

Numerical analysis of geopotential differences derived from GRACE range-rates using lumped harmonic coefficients
Numerical analysis of geopotential differences derived from GRACE range-rates using lumped harmonic coefficients

XY0371; EGU2008-A-08671; G3-1WE5P-0371

Swatschina, P.; Weber, R.

Dynamic and Reduced-Dynamic LEO Orbit Determination

G5 Observing and understanding Earth rotation variability and its geophysical excitation

Convener: Salstein, D.

Co-Convener(s): Müller, J., Schuh, H.

Lecture Room 6

Chairperson: SCHUH, H.

13:30–13:45; EGU2008-A-00588; G5-1WE3O-001

Korbacz, A.; Haas, R.

Sub-diurnal variations in Earth rotation from continuous VLBI campaigns

13:45–14:00; EGU2008-A-03739; G5-1WE3O-002

Steigenberger, P.; Tesmer, V.; MacMillan, D.; Thaller, D.; Rothacher, M.; Fritsche, M.; Ruelke, A.; Dietrich, R.

Subdaily Earth rotation observed by GPS and VLBI (solicited)

14:00–14:15; EGU2008-A-08718; G5-1WE3O-003

Dach, R.; Thaller, D.; Beutler, G.; Schaer, S.; Hugentobler, U.

Correlations between sub-daily ERP and GNSS orbit modeling

14:15–14:30; EGU2008-A-07967; G5-1WE3O-004

Müller, J.; Kutterer, H.; Soffel, M.

Earth Rotation and Global Dynamic Processes - Joint Research Activities in Germany

14:30–14:45; EGU2008-A-01177; G5-1WE3O-005

Velikoseltsev, A.; Schreiber, U.; Klügel, T.

Modeling of Episodic-Transient Signals in Measurements of Large Ring Lasers

14:45–15:00; EGU2008-A-08262; G5-1WE3O-006

Mendes Cerveira, P.J.; Schuh, H.; Plank, L.; Haas, R.; Schreiber, U.; Klügel, T.; Velikoseltsev, A.; Brzezinski, A.

The apparent diurnal motion of the instantaneous rotation axis from Very Long Baseline Interferometry and the Wettzell G-Ringlaser

15:00 COFFEE BREAK

Chairperson: MÜLLER, J.

15:30–15:45; EGU2008-A-03624; G5-1WE4O-001

Englich, S.; Mendes Cerveira, P.J.; Schuh, H.

The difference of Earth's equatorial moments of inertia from polar motion and the dynamical ellipticity

15:45–16:00; EGU2008-A-10715; G5-1WE4O-002

Brzezinski, A.

Diurnal and subdiurnal signals in polar motion and UT1: theoretical developments and observational efforts (solicited)

16:00–16:15; EGU2008-A-03666; G5-1WE4O-003

Vondrák, J.; Ron, C.

Geophysical excitations of free core nutation, and the stability of its period and quality factor

16:15–16:30; EGU2008-A-11085; G5-1WE4O-004

Dehant, V.; Capitaine, N.; Mathews, P.M.; Wallace, P.; Lambert, S.

Comparisons of precession-nutation models and models of the Earth's interior

16:30–16:45; EGU2008-A-06204; G5-1WE4O-005

Getino, J.; Miguel, D.; Escapa, A.; Martín, P.; Ferrándiz, J.M.

Influence of the Earth's fluid core rotation in polar drift

16:45–17:00; EGU2008-A-03806; G5-1WE4O-006
Hagedoorn, J.; Greiner-Mai, H.; Ballani, L.; Wardinski, I.; Stromeyer, D.
Influence of electric conductivity profiles of the lower mantle on the electromagnetic core-mantle coupling torque

17:00 COFFEE BREAK

Chairperson: SALSTEIN, D.

17:30–17:45; EGU2008-A-00595; G5-1WE5O-001
Kalarus, M.; Kosek, W.; Schuh, H.
Summary of the Earth Orientation Parameters Prediction Comparison Campaign

17:45–18:00; EGU2008-A-11605; G5-1WE5O-002
Johnson, T.
Recent Advances in Atmospheric Angular Momentum Forecast and UT1-UTC Predictions

18:00–18:15; EGU2008-A-09353; G5-1WE5O-003
Thomas, M.; Grötzsch, A.; Dobslaw, H.
Operational simulations of transient atmosphere-ocean dynamics: Benefits for the interpretation of Earth rotation variability (solicited)

18:15–18:30; EGU2008-A-02353; G5-1WE5O-004
Boehm, J.; Mendes Cerveira, P.J.; Englich, S.; Schuh, H.
High-resolution effective atmosphere angular momentum functions and Earth rotation parameters for continuous VLBI campaigns

18:30–18:45; EGU2008-A-01621; G5-1WE5O-005
Zhou, Y.; Chen, J.; Salstein, D.
Tropospheric and stratospheric wind contributions to Earth's variable rotation from NCEP/NCAR reanalyses

18:45–19:00; EGU2008-A-10515; G5-1WE5O-006
Lehmann, E.; Leckebusch, G.C.; Ulbrich, U.; Nevir, P.
Effects of ENSO on sub-seasonal to interannual length-of-day (LOD) variability

19:00 END OF SESSION

G6 Advances in GPS and InSAR techniques for geodynamic modelling and analysis of natural hazard (co-listed in GD & NH)

Convener: Meghraoui, M.
Co-Convener(s): Lanari, R., Stramondo, S.
Lecture Room 6
Chairperson: N.N.

8:30–8:45; EGU2008-A-05808; G6-1WE1O-001
Giannico, C.; Novali, F.; **Tamburini, A.**; Broccolato, M.; Ratto, S.
Landslide mapping at regional scale aided by PSInSAR technology: the example of the Valle d'Aosta Region (NW Italy) landslide inventory.

8:45–9:00; EGU2008-A-09845; G6-1WE1O-002
Berardino, P.; Camacho, A.; Casu, F.; Fernandez, J.; Gonzales, P.J.; Manzo, M.; Marti, J.; **Pepe, A.**; Tizzani, P.; Lanari, R.
Long term surface deformation analysis of Tenerife island, Spain, by using the SBAS-DInSAR technique

9:00–9:15; EGU2008-A-07819; G6-1WE1O-003
Paganelli, F.; Hooper, A.
Deformation at Fogo volcano, Cape Verde, detected by persistent scatterer InSAR

9:15–9:30; EGU2008-A-09703; G6-1WE1O-004
Manzo, M.; Berardino, P.; Pepe, A.; Sansosti, E.; Tizzani, P.; Lanari, R.
Surface deformation analysis of the Napoli bay (Italy) area: sixteen years of ERS and ENVISAT DInSAR observations

9:30–9:45; EGU2008-A-08091; G6-1WE1O-005
d'Oreye, N.; Calais, E.; Oyen, A.; Wauthier, C.; Cayol, V.; Delvaux, D.; Smets, B.; Sariah, E.; Kervyn, F.
A continental rifting event revealed by InSAR: The Lake Natron (Tanzania) 2007 seismo-magmatic crisis

9:45–10:00; EGU2008-A-10772; G6-1WE1O-006
Jonsson, S.
Plate-Boundary-Scale Deformation from InSAR Time-Series Analysis: Examples from southwest Iceland

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-04068; G6-1WE2O-001
Stramondo, S.; Del Frate, F.; Schiavon, G.
Seismic Source Inversion by Neural Networks and InSAR

10:45–11:00; EGU2008-A-10746; G6-1WE2O-002
Vajedian, S.; Sharifi, M.; Mansouri, B.
Monitoring of Crust Deformation of 2003 BAM Earthquake and Fault Modelling with DInSAR Technique and Using Genetic Algorithm

11:00–11:15; EGU2008-A-07091; G6-1WE2O-003
amighpey, M.; Mousavi, Z.; Nankali, H.; Arabi, S.; sedighi, M.
Studying subsidence in Iran with leveling and permanent GPS observations

11:15–11:30; EGU2008-A-04743; G6-1WE2O-004
Rolandone, F.; Burgmann, R.; Agnew, D.C.; Johanson, I.A.; Templeton, D.C.; d'Alessio, M.A.; Titus, S.J.; DeMets, C.; Tikoff, B.
Aseismic slip and fault-normal strain along the creeping section of the San Andreas fault

11:30–11:45; EGU2008-A-07099; G6-1WE2O-005
kordi, k.; mashhadi hoseinali, m.
Analysis of IRAN Geodynamic Network by Robustness Analysis

11:45–12:00; EGU2008-A-07579; G6-1WE2O-006
Hackl, M.; Malservisi, R.
Strain pattern from geodetic measurements

12:00 END OF SESSION

G6 Advances in GPS and InSAR techniques for geodynamic modelling and analysis of natural hazard (co-listed in GD & NH) – Posters

Convener: Meghraoui, M.
Co-Convener(s): Lanari, R., Stramondo, S.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0372; EGU2008-A-01709; G6-1WE5P-0372
Biagi, L.; Venuti, G.; Visconti, M.G.
From GPS to tomography for SAR image correction

XY0373; EGU2008-A-02486; G6-1WE5P-0373
Guzzetti, F.; Manunta, M.; Ardizzone, F.; Pepe, A.; Cardinali, M.; Zeni, G.; Galli, M.; Lanari, R.; Reichenbach, P.
 Analysis of ground deformation detected using the SBAS-InSAR technique in Umbria, central Italy

XY0374; EGU2008-A-03010; G6-1WE5P-0374
Hastaoglu, K.; Sanli, D. U.
 Modeling GPS rapid static positional accuracies for monitoring natural hazards: Application to Koyulhisar landslide, Turkey

XY0375; EGU2008-A-04537; G6-1WE5P-0375
Nejat, MSc; vosoghi, Dr
 Performance of ionosphere-free GPS observation in network RTK

XY0376; EGU2008-A-04567; G6-1WE5P-0376
alaiebakhsh, MSc; vosoghi, Dr
 Tropospheric zenith delay modeling with Fourier transform method

XY0377; EGU2008-A-04903; G6-1WE5P-0377
Hu, J.-C.; Lin, K.-C.; Ching, K.-E.; Rau, R.-J.; Yu, T.-T.; Tsai, C.-H.
 Current crustal deformation in active collision mountain belt revealed by continuous GPS measurements in Taiwan

XY0378; EGU2008-A-04932; G6-1WE5P-0378
Sharifi, M.A.; Safari, A.; Farzaneh, S.
 Optimal derivation of velocity field from discretely sampled position vector at GPS permanent stations

XY0379; EGU2008-A-04952; G6-1WE5P-0379
Massa, B.; D'Auria, L.
 Application of DInSAR technique to areas of active ground deformations: the study case of the 26 December 2003 Iranian earthquake.

XY0380; EGU2008-A-04987; G6-1WE5P-0380
Yang, C.; Yu, S.; Hsu, Y.; Bacolcol, T.; Solidum, R.
 A Dislocation Model for the Crustal Deformation Along the Philippine Fault System in Luzon

XY0381; EGU2008-A-06045; G6-1WE5P-0381
Baek, J.; Kim, S.W.; **Park, H.J.;** Kim, K.D.; Kim, J.W.
 Application of SAR interferometry for underground mine subsidence monitoring

XY0382; EGU2008-A-06319; G6-1WE5P-0382
Ballatore, P.
 InSAR-ICA technique for the elimination of atmospheric and other spurious artifacts

XY0383; EGU2008-A-05340; G6-1WE5P-0383
Schenk, V.; Schenková, Z.; Wegmüller, U.
 PSI Vertical Movements of Prague and Ostrava areas, Czech Republic

XY0384; EGU2008-A-09390; G6-1WE5P-0384
Guillaso, S.; Lasserre, C.; Doin, M.-P.; Cavalié, O.; Sun, J.; Peltzer, G.
 InSAR measurement of interseismic strain in areas of low coherence : example across the Haiyuan fault (Gansu, China) using a local InSAR adaptive range filter

XY0385; EGU2008-A-09508; G6-1WE5P-0385
Cavalié, O.; Lasserre, C.; Doin, M.-P.; Peltzer, G.; Sun, J.; Xu, X.; Shen, Z.-K.
 Measurement of interseismic strain accumulation across the Haiyuan fault by radar interferometry using ERS and Envisat data

XY0386; EGU2008-A-10044; G6-1WE5P-0386
Pathier, E.; Pinel, V.; Bascou, P.; Jouanne, F.; Fielding, E.; Wright, T.; Parsons, B.
 Combination of space-borne radar imagery techniques to study the October 2005, Mw=7.6, Kashmir earthquake

XY0387; EGU2008-A-10565; G6-1WE5P-0387
Gonzalez, P.J.; Samsonov, S.; Berardino, P.; GEOMOD team
 Full 3D volcanic deformation fields combining GPS surveys and SBAS-InSAR

XY0388; EGU2008-A-10684; G6-1WE5P-0388
Alipour, S.; Motagh, M.; Sharifi, M.; Walter, T.R.
 Satellite radar interferometry time series analysis of land subsidence caused by groundwater overexploitation in Tehran, Iran

XY0389; EGU2008-A-10497; G6-1WE5P-0389
Anderssohn, J.; Pasquali, P.; Motagh, M.; Walter, T.R.; Kaufmann, H.
 Topographic phase correlation improvement of D-InSAR and ScanSAR: An application to South American earthquakes

G7 GNSS new capabilities for geosciences – Posters

Convener: Perosanz, F.
 Co-Convener(s): Weber, R.
 Display Time: Wednesday, 08:00–19:30

Authors in Attendance: Wednesday, 17:30–19:00
 Poster Area Halls X/Y
 Chairperson: PEROSANZ, F.

XY0390; EGU2008-A-01089; G7-1WE5P-0390
Dekkiche, H.; Kahlouche, S.; Abbas, H.; Kariche, M. I.
 Differential ionosphere modeling for single-reference long-baseline GPS kinematic positioning

XY0391; EGU2008-A-01096; G7-1WE5P-0391
Dekkiche, H.; Kahlouche, S.; Kadri, C.B.
 GPS-based ionospheric TEC mapping over Algeria: Application to single-frequency GPS solution

XY0392; EGU2008-A-01185; G7-1WE5P-0392
Stosius, R.; Helm, A.; Cardellach, E.; Beyerle, G.; Rius, A.; Rothacher, M.
 GNSS-Reflectometry simulation studies within GITEWS and comparison between simulated and scanned waveforms at Lake Walchen

XY0393; EGU2008-A-00867; G7-1WE5P-0393
Souza, E.M.; Monico, J.F.G.; Polezel, W.G.C.; Pagamisse, A.
 Evaluation of Ambiguity Resolution and Multipath Reduction in Real Time and Post-Processed Kinematic Relative Positioning

XY0394; EGU2008-A-04945; G7-1WE5P-0394
Shojaee, K.
 Real time tidal observation utilizing Veripos Ultra high accuracy DGPS height data

XY0395; EGU2008-A-03124; G7-1WE5P-0395
Luo, X.; Mayer, M.; **Heck, B.**
 Automated GNSS-based motion monitoring at Black Forest Observatory (BFO) in near real-time

XY0396; EGU2008-A-02750; G7-1WE5P-0396
Broederbauer, V.; Thaler, G.; **Weber, R.**
 Study of behaviour of GNSS clock corrections in the face of prediction

XY0397; EGU2008-A-04121; G7-1WE5P-0397
Englich, S.; Weber, R.
 Implementation of GLONASS observation data into a global GNSS solution

XY0398; EGU2008-A-08621; G7-1WE5P-0398
Gegout, P.; Boy, J.-P.; Hinderer, J.; Ferhat, G.
 Toward the detection of Loading Contribution to Time-Varying GNSS Sites Positions

XY0399; EGU2008-A-06755; G7-1WE5P-0399
Perosanz, F.; Biancale, R.; Melachroinos, S.; Loyer, S.; Marty, J.C.
Investigation of vertical displacements due to loading effects with the GINS CNES/GRGS

XY0400; EGU2008-A-09957; G7-1WE5P-0400
Loyer, S.; Perosanz, F.; Capdeville, H.; Soudarin, L.
GRGS-CLS GNSS precise orbit determination

XY0401; EGU2008-A-05016; G7-1WE5P-0401
Alrajhi, M.; **Hawarey, M.;** Alomar, A.
Geodetic vertical control network in the KSA

XY0402; EGU2008-A-05007; G7-1WE5P-0402
Alrajhi, M.; **Hawarey, M.;** Alharbi, N.
Comprehensive geo-spatial data creation for Dammam urban area in the KSA

XY0403; EGU2008-A-05013; G7-1WE5P-0403
Alrajhi, M.; **Hawarey, M.;** Aldushan, A.
Comprehensive geo-spatial data creation for Taif Governate in the KSA

XY0404; EGU2008-A-05005; G7-1WE5P-0404
Alrajhi, M.; **Hawarey, M.;**
Comprehensive geo-spatial data creation for Jeddah Governate in the KSA

XY0405; EGU2008-A-05023; G7-1WE5P-0405
Alrajhi, M.; **Hawarey, M.;**
Geodetic ground control in Al-Madinah region of the KSA

XY0406; EGU2008-A-05025; G7-1WE5P-0406
Alrajhi, M.; **Hawarey, M.;**
Geodetic ground control in Al-Baha region of the KSA

G11 European cartographic heritage - Historical topographic and cadastral maps and their geodetic basis

Convener: Timár, G.
Co-Convener(s): Molnar, G., Veverka, B.
Lecture Room 8
Chairperson: TIMÁR, G.

13:30–14:00; EGU2008-A-00592; G11-1WE3O-001
Kretschmer, I.; Riedl, A.
Austrian (Habsburg) official cartographic activities from the First Military Survey to World War I (solicited) (solicited)

14:00–14:15; EGU2008-A-01614; G11-1WE3O-002
Krejčí, J.; Mikšovský, M.; **Zimová, R.;**
Possible relation between the Mueller map of Bohemia and the 1st Military mapping – a case study of the Kladno region (solicited)

14:15–14:30; EGU2008-A-07059; G11-1WE3O-003
Frazzica, V.; Galletti, F.; Orciani, M.; Colosi, L.; Cartaro, A.
Gregoriano cadastre (1818 - 35) from old maps to a GIS of historical landscape data

14:30–14:45; EGU2008-A-04508; G11-1WE3O-004
Èechurová, M.; **Veverka, B.;**
Georeferencing of the II. and III. military Austrian state mapping on the territory of the Czech Republic

14:45–15:00; EGU2008-A-08644; G11-1WE3O-005
Draganits, E.; Zámolyi, A.; Székely, B.; Timár, G.; Molnár, G.
Reconstruction of the Neusiedlersee (Austria/Hungary) based on historical topographic maps from 1507 to present

15:00 COFFEE BREAK

Chairperson: VEVERKA, B.

15:30–15:45; EGU2008-A-01535; G11-1WE4O-001

Timár, G.;
Geodetic basis and sheet structure of the Second Military Survey of the Habsburg Empire – The problems of Tyrol and Salzburg, and the unified geodetic datum of the survey (solicited)

15:45–16:00; EGU2008-A-06766; G11-1WE4O-002

Vichrova, M.; Cada, V.
Technology of the creation process and content of the topographical maps made with the Second Military Survey in the territory of Bohemia, Moravia and Silesia.

16:00–16:15; EGU2008-A-01568; G11-1WE4O-003

Molnár, G.;
Making a map mosaic using the 1:75,000 scale sheets of the Third Survey of the Habsburg Empire

16:15–16:30; EGU2008-A-03320; G11-1WE4O-004

Márton, M.; **Gercsák, G.;**
Marsigli map of the Gulf of Lion

16:30–16:45; EGU2008-A-03215; G11-1WE4O-005

Krejci, J.; Cajthaml, J.
Mueller's maps of the Czech lands

16:45–17:00; EGU2008-A-00843; G11-1WE4O-006

Cajthaml, J.; Krejci, J.
Internet access to old topographic maps

17:00 END OF SESSION

G11 European cartographic heritage - Historical topographic and cadastral maps and their geodetic basis – Posters

Convener: Timár, G.
Co-Convener(s): Molnar, G., Veverka, B.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: MOLNÁR, G.

XY0407; EGU2008-A-03748; G11-1WE5P-0407
Petersen, B.R.;
The first astro-geodetic reference frame in Norway, 1779-1815

XY0408; EGU2008-A-06002; G11-1WE5P-0408
Gede, M.; Márton, M.; Plihal, K.
3D production of terrestrial (and celestial) globes – Museum of Virtual Globes and digital virtual restoration

XY0409; EGU2008-A-04254; G11-1WE5P-0409
Zlinszky, A.; Molnár, G.
The first bathymetric maps of Lake Balaton (Hungary)

XY0410; EGU2008-A-01183; G11-1WE5P-0410
Kovács, B.; Timár, G.
The Habsburg triangulations of the Balkan Peninsula (1853-1875) and the Habsburg and Serbian topographic maps based on them

XY0411; EGU2008-A-00428; G11-1WE5P-0411
Bartos-Elekes, Zs.; Rus, I.; Timár, G.
The Geodetic Basis of the Romanian Historical Topographic Maps in Lambert's 'Cholesky projection

XY0412; EGU2008-A-00944; G11-1WE5P-0412
Galambos, Cs.;
Analysis of color signs and projections of the old Hungarian geological maps

XY0413; EGU2008-A-01308; G11-1WE5P-0413
Timár, G.; Faure Ragani, P.
GPS navigation on historical topographic and cadastral maps in Hungary

XY0414; EGU2008-A-01498; G11-1WE5P-0414
Biszak, S.; Timár, G.
Georeferenced gazetteers based on historical Central European topographic maps

XY0415; EGU2008-A-02211; G11-1WE5P-0415
Pišút, P.
Contribution to the mapping history of the Žitný Ostrov (Csallóköz)

XY0416; EGU2008-A-04679; G11-1WE5P-0416
Galambos, Cs.; **Timár, G.**
Comparison of maps of Goetz & Probst (1804) and J. Lipszky (1804-10) of Hungary – a step forward in projection accuracy

XY0417; EGU2008-A-04355; G11-1WE5P-0417
Cajthaml, J.; Krejci, J.
Old topographic maps - valuable data source for environmental research

XY0418; EGU2008-A-07134; G11-1WE5P-0418
Cada, V.; Vichrova, M.
Horizontal Control for Stabile Cadastre and Second Military Survey (1807-1869) in Bohemia, Moravia and Silesia.

XY0419; EGU2008-A-11095; G11-1WE5P-0419
Krejčí, J.
Old city maps and views of Prague

XY0420; EGU2008-A-11315; G11-1WE5P-0420
Székely, B.
Rediscovering the old treasures of cartography – What an almost 500-year-old map can tell to a geoscientist (solicited)

Thursday

G3 GRACE Science Applications

Convener: Flechtner, F.
Co-Convener(s): Chambers, D., Ramillien, G.
Lecture Room 6
Chairperson: N.N.

13:30–13:45; EGU2008-A-10349; G3-1TH30-001
Tapley, B.; Rothacher, M.; Bettadpur, S.; Flechtner, F.; Watkins, M.
Status and Multi-disciplinary Applications of the GRACE Mission

13:45–14:00; EGU2008-A-01891; G3-1TH30-002
Pavlis, N.K.; Holmes, S.A.; Kenyon, S.C.; Factor, J.K.
An Earth Gravitational Model to Degree 2160: EGM2008 (solicited)

14:00–14:15; EGU2008-A-03426; G3-1TH30-003
Förste, Ch.; The GFZ-GRGS TEAM
EIGEN-GL05C - A new global combined high-resolution GRACE-based gravity field model of the GFZ-GRGS cooperation

14:15–14:30; EGU2008-A-07928; G3-1TH30-004
Rietbroek, R.; Kusche, J.; Dahle, Ch.; Schmidt, R.; Flechtner, F.; Schröter, J.; Jansen, M.J.F.; Gunter, B.; Böning, C.; Brunnabend, S.
Surface mass estimation from GPS site displacements, modeled Ocean bottom pressure and GRACE

14:30–14:45; EGU2008-A-09307; G3-1TH30-005
Kaban, M.K.
A new gravity field – challenging possibilities for modelling of the continental lithosphere. (solicited)

14:45–15:00; EGU2008-A-04502; G3-1TH30-006
Hasegawa, T.; **Fukuda, Y.;** Yamamoto, K.; Sun, W.
Gravity Changes Associated with the 2004 Sumatra-Andaman Earthquake: Comparison between GRACE data and SNREI Models

15:00 COFFEE BREAK

Chairperson: N.N.

15:30–15:45; EGU2008-A-01738; G3-1TH40-001
Peltier, W.R.
Analyses of the degree2/order 1 conundrum in the GRACE derived time dependent gravity field

15:45–16:00; EGU2008-A-10759; G3-1TH40-002
Ivins, E.R.; James, T.S.; Wu, X-P.; Zlotnicki, V.
Current Status of Glacial Isostatic Adjustment Solutions Using GRACE (solicited)

16:00–16:15; EGU2008-A-08462; G3-1TH40-003
Whitehouse, P.; Fleitout, L.
Using GRACE to test glacial isostatic adjustment models in North America

16:15–16:30; EGU2008-A-03731; G3-1TH40-004
Sasgen, I.; Martinec, Z.; Bamber, J.; Fleming, K.
Combined InSAR and GRACE estimate of West Antarctic mass changes

16:30–16:45; EGU2008-A-02112; G3-1TH40-005
Baur, O.; Kuhn, M.; Featherstone, W.E.
Ice-mass and sea-level variations from GRACE

16:45–17:00; EGU2008-A-11822; G3-1TH40-006
Famiglietti, J.; Chambers, D.; Swenson, S.; Wahr, J.; Nerem, S.; Velicogna, I.
Mass changes in earth's global water reservoirs

17:00 COFFEE BREAK

Chairperson: N.N.

17:30–17:45; EGU2008-A-01637; G3-1TH50-001
Klees, R.; Gunter, B.C.; Revtova, E.A.; Ditmar, P.; Winsemius, H.C.; Savenije, H.H.G
Filter design for GRACE monthly gravity field models

17:45–18:00; EGU2008-A-06276; G3-1TH50-002
Carabajal, C. C.; Boy, J.-P.; Luthcke, S. B.; Chinn, D. S.; Rowlands, D. D.; Lemoine, F. G.; Harding, D. J.
Retrieval of the Three Gorges Dam water impoundment from space laser altimetry and gravity measurements

18:00–18:15; EGU2008-A-03528; G3-1TH50-003
Macrander, A.; Boening, C.; Boebel, O.; Schroeter, J.
A global Performance Estimate of GRACE Gravity Solutions validated by in-situ Ocean Bottom Pressure

18:15–18:30; EGU2008-A-04383; G3-1TH50-004
Chambers, D.; Willis, J.
Analysis of large-scale ocean bottom pressure variability in the North Pacific

18:30–18:45; EGU2008-A-10532; G3-1TH50-005
Fenoglio-Marc, L. ; Rietbroek, R.; Grayek, S.; Becker, M.; Kusche, J.; Stanev, E.
Interannual mass variation in the Mediterranean and Black Sea

18:45–19:00; EGU2008-A-07470; G3-1TH5O-006
Savcenko, R.; Bosch, W.
 EOT08a – a new global ocean tide model derived by empirical analysis of multi-mission altimetry data.

19:00 END OF SESSION

G5 Observing and understanding Earth rotation variability and its geophysical excitation – Posters

Convener: Salstein, D.
 Co-Convener(s): Müller, J., Schuh, H.
 Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 17:30–19:00
 Poster Area Halls X/Y
 Chairperson: MÜLLER, J.

XY0284; EGU2008-A-03586; G5-1TH5P-0284
Englich, S.; Heinkelmann, R.; Schuh, H.
 High-frequency Earth rotation variations observed by VLBI from 1984 to 2007

XY0285; EGU2008-A-04217; G5-1TH5P-0285
Thaller, D.; Kruegel, M.; Tesmer, V.; Boeckmann, S.; Steigenberger, P.; Rothacher, M.; Dach, R.
 General aspects on generating long time series of Earth orientation parameters

XY0286; EGU2008-A-03685; G5-1TH5P-0286
Stefka, V.; Vondrak, J.; Pesek, I.
 Slightly modified method of non-regular combination of EOP and station coordinates from different techniques

XY0287; EGU2008-A-06990; G5-1TH5P-0287
Kudryashova, M.; Weber, R.; Heinkelmann, R.; Schuh, H.
 Combination of nutation time series based on VLBI and GNSS observations collected during CONT05 campaign

XY0288; EGU2008-A-06711; G5-1TH5P-0288
Biskupek, L.; Müller, J.; Schreiber, U.
 Determination of Earth orientation from Lunar Laser Ranging data

XY0289; EGU2008-A-07360; G5-1TH5P-0289
Kluegel, T.; Schreiber, U.; Velikoseltsev, A.; Schlueter, W.
 Improved measurement of short-periodic polar motion by the Wettzell G ring laser

XY0290; EGU2008-A-08359; G5-1TH5P-0290
Goettl, F.; Seitz, F.; Limone, J.-M.
 Three different approaches for the determination of polar motion excitation series

XY0291; EGU2008-A-08437; G5-1TH5P-0291
Artz, T.; Böckmann, S.; Nothnagel, A.; Tesmer, V.
 Comparison and Validation of VLBI derived Polar Motion Estimates

XY0292; EGU2008-A-04218; G5-1TH5P-0292
Zerhouni, W.; Capitaine, N.; Francou, G.
 The determination of the celestial pole coordinates derived from LLR observations

XY0293; EGU2008-A-03559; G5-1TH5P-0293
 Alyabyeva, N.; **Kaufman, M.;** Pasynok, S.
 Local geophysical effects and the Earth's rotation

XY0294; EGU2008-A-00158; G5-1TH5P-0294
Milyukov, V.; Latinina, L.; Mironov, A.; Myasnikov, A.; Vasil'ev, I.
 Deformation processes in the Lithosphere and global geodynamics of the Earth

XY0295; EGU2008-A-04757; G5-1TH5P-0295
Riguzzi, F.
 Is global seismicity signed by the Markowitz wobble ?

XY0296; EGU2008-A-07187; G5-1TH5P-0296
Uzodinma, V.N.
 Models for high precision, high frequency determination of Earth Orientation Parameters from VLBI observations

XY0297; EGU2008-A-04459; G5-1TH5P-0297
Wang, W-J.; Shen, W-B; Zhang, H-W
 True Secular Wander of A Triaxial Earth

XY0298; EGU2008-A-08645; G5-1TH5P-0298
Heiker, A.; Kutterer, H; Mueller, J
 Stabilization of Low Degree Gravity Field Coefficients by Earth Rotation Parameters

XY0299; EGU2008-A-07364; G5-1TH5P-0299
Seoane, L.; Nastula, J.; Bizouard, C.; Gambis, D.
 GRACE and LAGEOS missions contribution in the interpretation of polar motion

XY0300; EGU2008-A-08451; G5-1TH5P-0300
Nastula, JN.; Kolaczek, BK; Salstein, DS
 Regional differences of hydrological excitation of polar motion computed from hydrological models and from the GRACE gravity field data.

XY0301; EGU2008-A-08720; G5-1TH5P-0301
Salstein, D.A.; Nastula, J.
 Modes based on high resolution regional atmospheric excitation functions for polar motion

XY0302; EGU2008-A-08301; G5-1TH5P-0302
Mendes Cerveira, P.J.; Müller, M.; Böhm, J.; Schuh, H.; Salstein, D.
 Long-period anelastic and short period equatorial angular momentum functions during the CONT05 campaign

XY0303; EGU2008-A-10881; G5-1TH5P-0303
Barkin, Yu.V.
 An explanation of observable trend of mean atmosphere pressure and its annual oscillation

XY0304; EGU2008-A-05133; G5-1TH5P-0304
Kosek, W.; Rzesotko, A.; Popinski, W.
 Contribution of wideband oscillations of the EOP data excited by the fluid excitation functions to their prediction errors

XY0305; EGU2008-A-07644; G5-1TH5P-0305
Schuh, H.; Kosek, W; Kalarus, M; The EOPCC Team
 Earth Orientation Parameters Prediction Comparison Campaign – first summary

XY0306; EGU2008-A-06511; G5-1TH5P-0306
Gambis, D.; Richard, J.Y.; Salstein, D.
 Using various sets of Atmospheric Angular Momentum forecasts for UT1 predictions

G7 GNSS new capabilities for geosciences

Convener: Perosanz, F.
 Co-Convener(s): Weber, R.
 Lecture Room 6
 Chairperson: PEROSANZ, F.

8:30–8:45; EGU2008-A-02274; G7-1TH1O-001
Karabatic, A.; Weber, R.; Leroch, S.
 GNSSMET - Contribution of tropospheric zenith delays derived from GNSS data to weather forecast in alpine areas

8:45–9:00; EGU2008-A-03542; G7-1TH1O-002
Bouin, M.N.; Ballu, V.; Calmant, S.; Pelletier, B.; Ammann, J.; Guillon, D.; Bouillaguet, R.; Panché, J.Y.; Folcher, E.
 Use of GPS high rate kinematic measurements for local sea surface determination, Vanuatu Archipelago.

9:00–9:15; EGU2008-A-04190; G7-1TH1O-003
de Juan, J.; Elosegui, P.; Davis, J. L.; Nettles, M.; Larsen, T. B.
Analysis of ionospheric errors and correction techniques in high-rate GPS glaciology

9:15–9:30; EGU2008-A-01170; G7-1TH1O-004
Helm, A.; Stosius, R.; Montenbruck, O.; Yudanov, S.; Beyerle, G.; Rothacher, M.
Ground-based water level observations at Lake Walchen using reflected GPS L1 C/A and modernized GPS L2C signals

9:30–9:45; EGU2008-A-03990; G7-1TH1O-005
Ge, M.; **Chen, J.;** Vennebusch, M.; Gendt, G.; Rothacher, M.
GFZ prototype for GPS-based real time deformation monitoring

9:45–10:00; EGU2008-A-08364; G7-1TH1O-006
Söhne, W.; Stürze, A.; Mervart, L.; Weber, G.
Using GNSS data in real-time for geodetic applications

10:00 COFFEE BREAK

Chairperson: WEBER, R.

10:30–10:45; EGU2008-A-09669; G7-1TH2O-001
Wang, S.; Hill, C.; Sowter, A.
Relative positioning of LEO satellites at different baselines using GPS

10:45–11:00; EGU2008-A-11383; G7-1TH2O-002
Svehla, D.; **Heinze, M.;** Rothacher, M.; Steigenberger, P.; Daehnn, M.; Kirchner, M.
Combined processing of GIOVE-A and GPS measurements using zero- and double-differences

11:00–11:15; EGU2008-A-12111; G7-1TH2O-003
Kogure, S.; Terada, K.; Sawabe, M.
The Status of Quasi-Zenith Satellite System Development (solicited)

11:15–11:45; EGU2008-A-11867; G7-1TH2O-004
Hahn, J.
Galileo onboard clocks and GNSS time transfer by means of Galileo (solicited)

11:45–12:00; EGU2008-A-11022; G7-1TH2O-005
Svehla, D.
A novel design for the navigation system and proposal to unify the timing and the positioning system using GIOVE Follow-on

12:00 END OF SESSION

G8 Monitoring of the lower atmosphere and ionosphere by space geodetic techniques – Posters

Convener: Boehm, J.
Co-Convener(s): Jin, S., Jakowski, N.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0307; EGU2008-A-01710; G8-1TH5P-0307
Ning, T.; Johansson, J. M.; Elgered, G.
The impact of the electromagnetic environment of the antenna on GPS measurements of atmospheric water vapour

XY0308; EGU2008-A-01809; G8-1TH5P-0308
Dousa, J.
The Quality of Precise GPS Orbits Predictions for 'GPS-Meteorology'

XY0309; EGU2008-A-08192; G8-1TH5P-0309
Rohm, W.; Bosy, J.
The tropospheric tomography model above the local GNSS network

XY0310; EGU2008-A-06447; G8-1TH5P-0310
Pacione, R.; Vespe, F.
Assessment of the uncertainties of near real time estimates of the zenith tropospheric delays by ground GPS network

XY0311; EGU2008-A-11906; G8-1TH5P-0311
Baek, J.; Cho, J.; Choi, B.K.; Lee, J.W.
The near real-time GPS precipitable water vapor retrieval system in KASI: progress and plan

XY0312; EGU2008-A-01770; G8-1TH5P-0312
Altiner, Y.; Söhne, W.; Weber, G.
Near Real-Time Estimation of Tropospheric Zenith Total Delays and Coordinate Monitoring

XY0313; EGU2008-A-02599; G8-1TH5P-0313
Pottiaux, E.
The Belgian contribution to the EUMETNET GPS water vapour program (E-GVAP): recent developments and applications

XY0314; EGU2008-A-06231; G8-1TH5P-0314
Igondova, M.; Hefty, J.
Experiences from six years of PWV monitoring using the permanent GPS observations in Slovakia

XY0315; EGU2008-A-07321; G8-1TH5P-0315
NAHMANI, S.; Bouin, M.N.; Bock, O.; Doerflinger, E.; Masson, F.
GPS data processing modelling for water cycle studies over West Africa

XY0316; EGU2008-A-07343; G8-1TH5P-0316
Heise, S.; Gendt, G.; Dick, G.; Schmidt, T.; Wickert, J.; Rothacher, M.
Validation of integrated water vapour from IGS ground-based GPS observations with sun photometer measurements

XY0317; EGU2008-A-09189; G8-1TH5P-0317
Dick, G.; Bender, M.; Gendt, G.; Wickert, J.; Ramatschi, M.; Rothacher, M.; Zus, F.
Validation and assimilation of GPS water vapor and slant delays from COPS campaign

XY0318; EGU2008-A-11148; G8-1TH5P-0318
Champollion, C.; **Flamant, C.;** Masson, F.; Gégout, P.; Brousseau, P.; Dick, G.; Van Baelen, J.; Richard, E.
First results from GPS tomography during the COPS field experiment

XY0319; EGU2008-A-07384; G8-1TH5P-0319
Aragon-Angel, A.; Hernández-Pajares, M.; Juan, J. M.; Sanz, J.; Ramos-Bosch, P.
Validation of ionospheric density retrievals using Abel transform improvement with COSMIC/FORMOSAT-3

XY0320; EGU2008-A-01981; G8-1TH5P-0320
Jin, S.G.; Park, J.; Cho, J.
Retrieval of ionospheric slab thickness and its variations from 3-D GPS observations

XY0321; EGU2008-A-11969; G8-1TH5P-0321
Lee, W.-K.; Chung, J.-K.; Cho, S.; Yoon, J.-C.; Chun, Y.-S.; Wickert, J.
Comparison of electron density profile from CHAMP GPS radio occultation data with CHAMP PLP and ionosonde measurements during the Halloween event in 2003

XY0322; EGU2008-A-01090; G8-1TH5P-0322
Dekkiche, H.; Kahlouche, S.; Kadri, C.B.
GPS-based ionospheric TEC mapping over Algeria: Comparison with the IACs TEC maps solutions

XY0323; EGU2008-A-06582; G8-1TH5P-0323
Choliy, V.
 Second shadow function: interference on terminator in ionosphere

XY0324; EGU2008-A-02521; G8-1TH5P-0324
 Arras, C.; Lee, W.-K.; Wickert, J.; **Heise, S.**; Schmidt, T.; Beyerle, G.; Rothacher, M.; Jakowski, N.
 Ionospheric electron density profiles obtained with CHAMP/GPS occultation measurements – initial results from GFZ

XY0325; EGU2008-A-05986; G8-1TH5P-0325
Smirnov, V.M.; Smirnova, E.V.
 The peculiarity of the profile restoration of an electronic concentration of the Earth ionosphere by radio translucence method

XY0326; EGU2008-A-06750; G8-1TH5P-0326
 Karslioglu, M.; Nohutcu, M.; Güclüer, B.; **Schmidt, M.**; Zhang, J.
 Local Modeling of VTEC Using GPS Observations and B-spline Expansions

G12 GGOS: Observing and Interpreting Earth's Mass Transports – Posters

Convener: Gross, R.
 Co-Convener(s): Plag, H., Rothacher, M.
 Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 17:30–19:00
 Poster Area Halls X/Y
 Chairperson: N.N.

XY0327; EGU2008-A-10581; G12-1TH5P-0327
 Barkin, Yu.V.
 Model explanation of non-tidal acceleration and pole drift of the Earth

XY0328; EGU2008-A-09304; G12-1TH5P-0328
Dill, R.; Walter, C.
 Operational simulation of continental water masses consistent with atmospheric and oceanic data

XY0329; EGU2008-A-02569; G12-1TH5P-0329
Weise, A.; Kroner, C.; Abe, M.; Ihde, J.; Jentzsch, G.; Neumeyer, J.; Rothacher, M.; Wilmes, H.; Wziontek, H.
 Ground truth for satellite-derived gravity variations from superconducting and absolute gravimeters

XY0330; EGU2008-A-08058; G12-1TH5P-0330
Wziontek, H.; Wilmes, H.; Ihde, J.; Bonvalot, S.
 An international database for absolute gravity measurements - a continued activity of BKG and BGI

IS9 - G14/CL52/GD24/GMPV41 Upper Mantle and Lithosphere Dynamics, Glacial Isostatic Adjustment and Quaternary Climate (co-organized by G, CL, GD & GMPV) – Posters

Convener: Poutanen, M.
 Co-Convener(s): Gregersen, S., Klemann, V.
 Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 17:30–19:00
 Poster Area Halls X/Y
 Chairperson: N.N.

XY0331; EGU2008-A-08424; IS9 -
 G14/CL52/GD24/GMPV41-1TH5P-0331
Hoffmann, G.; Reicherter, K.R.; Lindhorst, S.; Kaiser, A.; Stackebrandt, W.
 Implication for future coastal changes: the interaction of long-term Alpine tectonic stresses and ice-induced processes in the North German Basin

XY0332; EGU2008-A-05508; IS9 -
 G14/CL52/GD24/GMPV41-1TH5P-0332
Kozlovskaya, E.; Silvennoinen, H.; Janik, T.
 Composition of the upper mantle beneath the Lapland-Kola orogen (northern Fennoscandian shield) obtained by 3-D modeling of Bouguer anomaly

XY0333; EGU2008-A-07293; IS9 -
 G14/CL52/GD24/GMPV41-1TH5P-0333
 Scherneck, H.-G.; **Lidberg, M.**; Johansson, J.M.; Haas, R.; Milne, G.A.
 The contemporary strain rate field of Fennoscandia derived from BIFROST GPS.

XY0334; EGU2008-A-04855; IS9 -
 G14/CL52/GD24/GMPV41-1TH5P-0334
Makinen, J.; Kaftan, V.I.; Demiyarov, G.V.; Kuznetsov, Yu.G.; Zabnev, V.I.; Lehmuskoski, P.; Poutanen, M.; Takalo, M.
 Crustal uplift in eastern Fennoscandia: results from repeated Russian and Finnish levellings

XY0335; EGU2008-A-05052; IS9 -
 G14/CL52/GD24/GMPV41-1TH5P-0335
 Korsakova, O.; **Zozulya, D.**; Kolka, V.
 Deglaciation pattern, glacial isostatic adjustment and heat flow of the Kola region, NW Russia (cancelled)

XY0336; EGU2008-A-03471; IS9 -
 G14/CL52/GD24/GMPV41-1TH5P-0336
 Engen, O.; **Watts, A. B.**
 Submarine fans on the western Barents Sea continental margin: a test of the Earth's response to young sediment loads

XY0337; EGU2008-A-02544; IS9 -
 G14/CL52/GD24/GMPV41-1TH5P-0337
 Schotman, HHA; **Vermeersen, LLA**; Wu, P.; Drury, MR; de Bresser, JHP
 GOCE Constraints on Thermomechanical Models of the Shallow Earth

XY0338; EGU2008-A-00250; IS9 -
 G14/CL52/GD24/GMPV41-1TH5P-0338
Van der Wal, W.; Wu, P.; Wang, H.; Sideris, M.G.
 Glacial isostatic adjustment in a 3D spherical self-gravitating viscoelastic earth with composite rheologies

XY0339; EGU2008-A-03288; IS9 -
 G14/CL52/GD24/GMPV41-1TH5P-0339
Gregersen, S.
 Improvements in knowledge on uplift/subsidence in time scales 10s, 100s, 1000s of years in parts of Scandinavia.

XY0340; EGU2008-A-11334; IS9 -
 G14/CL52/GD24/GMPV41-1TH5P-0340
Ivins, E.R.; Klemann, V.
 Earthquake Potential at the Boundary of the Yangtze Platform due to Water and Sediment Load During Inundation of the Three Gorges Dam, China: Implications for Deep Stress Loading

XY0341; EGU2008-A-11352; IS9 -
 G14/CL52/GD24/GMPV41-1TH5P-0341
Tarasov, L.; Peltier, W. R.
 Three approaches to reconstructing North American deglaciation

Friday

G8 Monitoring of the lower atmosphere and ionosphere by space geodetic techniques

Convener: Boehm, J.
Co-Convener(s): Jin, S., Jakowski, N.
Lecture Room 6
Chairperson: N.N.

13:30–13:45; EGU2008-A-02326; G8-1FR3O-001
Hobiger, T.; Ichikawa, R.; Takasu, T.; Koyama, Y.; Kondo, T.
Ray-traced tropospheric total slant delays for precise point positioning (solicited)

13:45–14:00; EGU2008-A-08966; G8-1FR3O-002
Zandbergen, R.; Ballereau, A.; Lorenzo, M.; Dow, J.; Wollenweber, F.; Marquardt, C.
Ground support network for the Metop GRAS atmospheric sounding mission

14:00–14:15; EGU2008-A-03643; G8-1FR3O-003
Crespi, M.; Luzietti, L.; Marzario, M.
Investigation in GNSS ground-based tropospheric tomography: benefits and perspectives of the combined Galileo, Glonass and GPS constellations.

14:15–14:30; EGU2008-A-03767; G8-1FR3O-004
Brenot, H.; Lejeune, S.; Warnant, R.
Detection of small-scale structures in the neutral atmosphere using double differences of GNSS measurements.

14:30–14:45; EGU2008-A-08951; G8-1FR3O-005
Schön, S.; Brunner, F.K.
Refractivity fluctuations in space geodetic measurements – case study GPS carrier phase observations

14:45–15:00; EGU2008-A-03290; G8-1FR3O-006
Pany, A.; Böhm, J.; Wresnik, J.; Schuh, H.
PPP Simulations for Troposphere Delay Modelling in VLBI

15:00 COFFEE BREAK

Chairperson: N.N.

15:30–15:45; EGU2008-A-01713; G8-1FR4O-001
Angling, M. J.; Cannon, P. S.
On the testing of the electron density assimilative model (EDAM) with data from a globally distributed network of ionosondes (solicited)

15:45–16:00; EGU2008-A-00175; G8-1FR4O-002
Afraimovich, E.L.
GPS global detector for monitoring of ionospheric disturbances (solicited)

16:00–16:15; EGU2008-A-03414; G8-1FR4O-003
Krankowski, A.; Hernández-Pajares, M.
Current performance of IGS ionosphere TEC maps: final and rapid products

16:15–16:30; EGU2008-A-02154; G8-1FR4O-004
Alizadeh E., M.M.; Todorova, S.; Kudryashova, M.; Weber, R.; Schuh, H.
Assessment of GNSS and Satellite Altimetry Combined Global Ionospheric Maps using Precise Point Positioning

16:30–16:45; EGU2008-A-02328; G8-1FR4O-005
Heki, K.; Tsugawa, T.
Ionospheric holes by rocket launches and small comets: observations with dense GPS arrays

16:45–17:00; EGU2008-A-06025; G8-1FR4O-006
Schmidt, M.; Bilitza, D.; Shum, C.; Zeilhofer, C.; Dettmering, D.; Zhang, J.; Tsai, L.
Multi-dimensional representations of VTEC from satellite data and IRI

17:00 END OF SESSION

G12 GGOS: Observing and Interpreting Earth's Mass Transports

Convener: Gross, R.
Co-Convener(s): Plag, H., Rothacher, M.
Lecture Room 6
Chairperson: N.N.

10:30–10:45; EGU2008-A-05388; G12-1FR2O-001
Pavlis, E. C.; Ries, J. C.; MacMillan, D. S.; Kuzmich-Cieslak, M.; Ma, C.; Rowlands, D. D.
Next Generation Global Geodetic Networks for GGOS

10:45–11:00; EGU2008-A-03839; G12-1FR2O-002
Rudenko, S.; Zhang, F.; Gendt, G.; Schoene, T.; Thaller, D.; Rothacher, M.
Reanalysis of GPS data at tide gauges

11:00–11:15; EGU2008-A-08525; G12-1FR2O-003
Rülke, A.; **Horwath, M.;** Fritsche, M.; Dietrich, R.; Rothacher, M.; Steigenberger, P.; Schmidt, R.; Döll, P.
Mass variations reflected in GRACE products and in crustal deformations from GPS: an intercomparison

11:15–11:30; EGU2008-A-04138; G12-1FR2O-004
Zerbini, S.; Raicich, F.; De Simone, E.
Regional and local signals in height and gravity time series

11:30–11:45; EGU2008-A-09636; G12-1FR2O-005
Hinderer, J.; de Linage, C.; Boy, J.-P.; Masson, F.; Gegout, P.; the GHYRAF team
Geodetic impact of water storage variations: the GHYRAF (Gravity and Hydrology in Africa) experiment

11:45–12:00; EGU2008-A-10506; G12-1FR2O-006
Barkin, Yu.V.; Ferrandiz, J.M.
Phenomenon of secular increasing of mean gravity in Northern hemisphere and secular decreasing of mean gravity in Southern hemisphere: predictions and new confirmations

12:00 END OF SESSION

IS9 - G14/CL52/GD24/GMPV41 Upper Mantle and Lithosphere Dynamics, Glacial Isostatic Adjustment and Quaternary Climate (co-organized by G, CL, GD & GMPV)

Convener: Poutanen, M.
Co-Convener(s): Gregersen, S., Klemann, V.
Lecture Room 6
Chairperson: N.N.

8:30–8:45; EGU2008-A-04407; IS9 -
G14/CL52/GD24/GMPV41-1FR1O-001
Poutanen, M.
DynaQlim – a regional co-ordination committee of the International Lithosphere Program (ILP)

8:45–9:00; EGU2008-A-03699; IS9 -
G14/CL52/GD24/GMPV41-1FR1O-002
Klemann, V.; Martinec, Z.
Ongoing glacial-isostatic adjustment and present-day motion of tectonic plates

9:00–9:15; EGU2008-A-04424; IS9 - G14/CL52/GD24/GMPV41-1FR1O-003 Wu, P.; Wang, H.; van der Wal, W.; Lee, H.; Shum, C.K.; Braun, A. Using postglacial sealevel, crustal velocities and gravity- rate-of-change to constrain the influence of thermal effects on mantle lateral heterogeneities	9:30–9:45; EGU2008-A-01731; IS9 - G14/CL52/GD24/GMPV41-1FR1O-005 Drummond, R.; Peltier, W.R. Rheological stratification of the lithosphere: A new resul t from glacial isostatic adjustment constrained by space geodesy
9:15–9:30; EGU2008-A-02027; IS9 - G14/CL52/GD24/GMPV41-1FR1O-004 Turpeinen, H.; Hampel, A.; Karow, T.; Maniatis, G. Effect of ice sheet growth and melting on the slip evolution of thrust faults	9:45–10:00; EGU2008-A-06688; IS9 - G14/CL52/GD24/GMPV41-1FR1O-006 Steffen, H.; Gitlein, O.; Denker, H.; Müller, J.; Timmen, L. Fennoscandian land uplift observed by GRACE and absolute gravity measurements

10:00 END OF SESSION
