Programplanner:

Sunday 14/10	
14:30 - 17:30	Registration

Monday 15/10	
8:00 - 9:00	Registration
9:00 - 10:30	**Opening: GRACE and GOCE Status, Special Priority and NASA Programs (Chair: Rothacher)** **Welcome (10min)** by Rothacher, Markus **The DFG Special Priority Program "Mass Transport and Mass Distribution" (invited, 25 min)** by Ilk, Karl-Heinz, Karte, Johannes **Status GRACE (invited, 25 min)** by Tapley, Byron **Status GOCE (invited, 15min)** by Floberghagen, Rene **NASA Program (invited, 15 min)** by LaBrecque, John
10:30 - 10:50	Coffeebreak
10:50 - 12:50	**SDS + Session A: Latest Results of GRACE Gravity Field Modelling (Chair: Flechtner)** **Status GRACE Mission Operations (invited, 15 min)** by Beerer, Joe **Status GRACE SDS (invited, 30 min)** by Watkins, Michael **Characteristics of CSR RL04 GRACE gravity field data products** by Srinivas Bettadpur, CSR Level-2 Team **Global GRACE-only gravity models with a weekly temporal resolution at GFZ Potsdam** by C. Dahle, F. Flechtner, R. Schmidt, U. Meyer, K.-H. Neumayer, R. Koenig, J. Kusche

	Alterative Gravity Field Representations: Solutions, Characteristics, and Issues by Michael M. Watkins, Dah-Ning Yuan, Gerhard Kruizinga **ITG-Grace03s: The latest GRACE gravity field solution computed in Bonn** by Torsten Mayer-Gürr **A 3-year series of Earth's gravity field variations derived from GRACE range measurements** by Xianglin Liu, Pavel Ditmar, Qile Zhao, and Erna Oudman
12:50 - 14:10	Lunch
14:10 - 16:25	**Session E: Oceanographic Applications (Chair: Chambers)** **Time-depending validation of ocean mass anomalies from GRACE by means of satellite altimetry and numerical models** by Henryk Dobslaw, Maik Thomas **Global Validation of GRACE Gravity Measurements by in-situ and modelled Ocean Bottom Pressure** by Carmen Böning, Andreas Macrander, Ralph Timmermann, Olaf Boebel, Jens Schröter **Closing the Globally Averaged Sea Level Budget on Seasonal to Interannual Time Scales** by Don Chambers, Josh Willis, Steve Nerem **Combined Ocean-Geodetic Analysis of Global and Regional Ocean Mass-, and Freshwater Transport Divergences** by D. Stammer, A. Köhl, F. Siegismund, and V. Romanova C. Böning, J. Dengg, J. Karstensen, K. Lorbacher , U. Neumann, and M. Visbeck **Basin Scale Mass Variations in the Atlantic Ocean from Altimeter, in-situ and GRACE Data** by Saskia Esselborn, Andrea Homberg, Tilo Schöne and Roland Schmidt **Integrated use of GRACE, Altimetry and Models for Assessment of Interannual Mass Variation in the Mediterranean and Black Se** by L. Fenoglio-Marc, M. Becker, J. Kusche, R. Rietbroek, S. Grayek, E. Stanev **Tides and GRACE** by R D Ray, G D Egbert, S Y Erofeeva, S-C Han, S B Luthcke

	Estimating circulation in Antactic Circumpolar Current via sequential assimilation of multi-mission altimetry data. by Sergey Skachko, Sergey Danilov, Tijana Janjic Pfander, Jens Schröter, Dmitry Sidorenko
	GRACE Observation Defying the Long-Held Tsunami Genesis Theory by Tony Song and Shin-Chan Han
16:25 - 16:45	Coffeebreak
16:45 - 17:30	**Poster Flashlight (Chair: Bosch)**
	Poster Flashlight A (2min/poster) by all authors
17:30 - 19:00	**Posters of Session A: Latest Results of GRACE Gravity Field Modelling, Session E: Oceanographic Applications**
	GRACE gravity field models at 10-day intervals by R. Biancale, J.-M. Lemoine, S. Bruinsma, F. Perosanz, G. Balmino, S. Bourgogne
	Gravity field modeling from GRACE and its application to geoid model improvement for Japan by Yuki Kuroishi, Frank G. R. Lemoine, David D. Rowlands
	Regional wavelet modeling over Japan by Isabelle Panet, Yuki Kuroishi, Matthias Holschneider, Olivier Jamet
	New Smoothing Function for GRACE Time-Variable Gravity Data over the Ocean by Don Chambers
	Complete variance-covariance information of gridded datasets from both gravity field models and altimetry: processing strategies by Silvia Becker, Wolf-Dieter Schuh, Martin Losch
	Bottom pressure and freshwater fluxes estimated from GRACE and ocean synthesis by V. Romanova, A. Koehl, F. Siegismund and D. Stammer
	The seasonal cycle in ocean bottom pressure from 5 years of GRACE observations by Frank Siegismund, Vanya Romanova, Armin Köhl, and Detlef Stammer

Response of the Global Ocean to Greenland and Antarctic Ice Melting
by D. Stammer

Filtering of Altimetric Sea Surface Heights with local and global approaches
by Alberta Albertella, Xinxing Wang and Reiner Rummel

Assessment of errors in global ocean tide models and their impact on GRACE gravity fields
by Roman Savcenko, Wolfgang Bosch

Manifestation of long-term trends of the Thermohaline Ocean Circulation in Sea Surface Height and Ocean Bottom Pressure Fields ? Results from a Model Process Study
by Katja Lorbacher and Joachim Dengg

Oceanic mass changes in consideration of geocenter motion corrections
by A.Homberg, S.Esselborn, F.Flechtner

Oceanic Mass Transport in the Atlantic at 16°N and 26.5°N
by Uta Neumann, Johannes Karstensen, Katja Lorbacher, Martin Visbeck, Torsten Kanzow

El Nino and La Nina Signals in Sea Level, Hydrological Surface Mass Redistribution, and Degree-Two Geoid Coefficients
by Felix W. Landerer, Johann H. Jungclaus, Jochem Marotzke

A profile approach for the recovery of the mean dynamic topography
by W. Bosch and R. Savcenko

Particular Aspects of the use of GRACE, altimetry and Oceanographic Models for Assessment of seasonal and interannual Mass variation in the Mediterranean and Black Sea
by Rietbroek R., S. Grayek, J. Kusche, L. Fenoglio-Marc, M. Becker, E. Stanev

Toward high-resolution dynamical tidal modeling using HAMTIDE
by E. Taguchi, D. Stammer, W. Zahel R. Savcenko, W. Bosch

Calibration/Validation for GRACE and GOCE Data in the Mediterranean Sea
by Juan J. Martinez-Benjamin, Alexander Braun, Kai-chien K. Cheng, Ichiro Fukumori, Yuhe Tony Song, Chung-yen Kuo, Luciana Fenoglio-Marc, C.K. Shum, Lei Wang,

19:00 - 22:00	Icebreaker

Tuesday 16/10

8:30 - 10:30	**Session D: Hydrological Applications (Chair: Rodell)**
	Enhancing the Value of GRACE for Hydrology by Matt Rodell, Ben Zaitchik, Jay Famiglietti
	GRACE Applications in Terrestrial and Global Hydrology by J. Famiglietti, T. Syed, P. Yeh and M. Rodell
	Estimating periodic components of water storage changes from GRACE and global hydrology models by Roland Schmidt, Svetozar Petrovic, Andreas Güntner, Johann Wünsch, Franz Barthelmes, Jürgen Kusche
	GRACE Mascons and Hydrological Data for the Continents: GRACE ACCESS by D. Rowlands, F. Lemoine, S. Luthcke, S. Klosko, D. Chinn, K. Akoumany, A. Griffin, M. Rodell
	DIRECT WATERBALANCE – An interdisciplinary approach towards the determination of large scale actual evapotranspiration and the evaluation of atmospheric moisture flux. by Sneeuw N, W Keller, B Devaraju, M Antoni, M Weigelt, A Bardossy, J Riegger, H Kindt, B Fersch, H Kunstmann
	Meeting challenges on the calibration of the global hydrological model WGHM with GRACE data input by S. Werth, A. Güntner, R. Schmidt, J. Kusche
	Some Hydrological and Cryospheric Applications of GRACE by John Wahr, Sean Swenson, Isabella Velicogna
	Estimating variation of groundwater storage within the Great Lakes Water Basin from GRACE, soil moisture and lake levels by J. Huang and J. Halpenny
10:30 - 10:50	Coffeebreak
10:50 - 12:20	**Session D: Hydrological Applications (continued)** **Session B: Processing Methods and Background Modelling (Chair: Bettadpur)**

	Observation of hydrological mass transport in the West Siberian Plain with the GRACE satellite by Pavel Ditmar, Xianglin Liu, and Erna Oudman
	Towards improved GRACE de-aliasing - first results from dynamical and residual ocean tide analysis by Wolfgang Bosch, Detlef Stammer, Frank Flechtner, Karl-Heinz Ilk, Thorsten Mayer-Gürr, Christoph Dahle, Eifu Taguchi, Roman Savcenko
	The Impact of Uncertainties of global Atmosphere Models on the Gravity Field Determination with GRACE by L. Zenner, E. Fagiolini, F. Flechtner, T. Gruber, G. Schwarz, T. Trautmann, J. Wickert
	Comparison of GRACE RL01 and RL04 Data Sets Using the Statistical Filter by J.L. Davis, M. E. Tamisiea, P. Elosegui, J.X. Mitrovica, and E.M. Hill
	Analysis and Modeling of GRACE Level 1a Accelerometer Observations by J. Flury, S. Bettadpur, B. Tapley
	Global and Regional Modes of Mass Variability in the GRACE Data by Jean O. Dickey, Olivier deViron and Steven L. Marcus
12:20 - 13:40	Lunch
13:40 - 15:40	**Session B: Processing Methods and Background Modelling (continued) (Chair: Kusche)** **Estimable functions from gridded earth gravity field information** by Schuh Wolf-Dieter und Silvia Becker **Multiscale Filter Methods Applied to GRACE and Hydrological Data** by Prof. Dr. Willi Freeden, Dr. Helga Nutz, Kerstin Wolf **Improved Accuracy of GRACE gravity solutions through Empirical Orthogonal Function Filtering of Spherical Harmonics** by Bert Wouteres & Ejo Schrama **Regional gravity field modeling by space localizing basis functions** by M. Holschneider, A. Eicker, R. Schachtschneider, T. Mayer-Guerr **Geocenter Variations Derived from GRACE Data** by Z. Kang, B. Tapley, J. Chen, J. Ries, S. Bettadpur

	Degree-1 Surface Mass Variations and Geocenter Motion – The Short and Long Stories by Xiaoping Wu, Hugo Schotman, and Bert Vermeersen
	Estimating degree one variations using a combination of GRACE and ocean model output by Sean Swenson, Don Chambers, and John Wahr
	Long-term LAGEOS data analysis with GRACE RL04 type non-tidal atmosphere and ocean mass variations by R. Koenig, F. Flechtner, M. Thomas
15:40 - 16:00	Coffeebreak
16:00 - 18:00	**Session C: Combination and Validation + Poster Flashlight (Chair: Wahr)**
	Temporal and spatial multiscale assessment of mass transport by combination of gravity observations from GRACE and terrestrial stations by Corinna Kroner, Maiko Abe, Johannes Ihde, Gerhard Jentzsch, Jürgen Neumeyer, Markus Rothacher, Adelheid Weise, Herbert Wilmes, Hartmut Wziontek
	Joint inversion of GPS site displacements, Ocean bottom pressure models and GRACE gravimetry data. by R. Rietbroek, J. Kusche, Ch. Dahle, R. Schmidt, F. Flechtner, J. Schröter, M.J.F. Jansen, B. Gunter
	On the use of terrestrial data (gravity, GPS, hydrology) to validate GRACE by Caroline de Linage, Jacques Hinderer, Jean-Paul Boy and Pascal Gegout
	Signal and Noise in Gravity Recovery and Climate Experiment (GRACE) observed surface mass variations by Ernst Schrama, Bert Wouters, David Lavallee
	Consistency of Earth Rotation, Gravity, and Shape Measurements by Richard Gross, David Lavallee, Geoffrey Blewitt, and Peter Clarke
	Poster Flashlight B (2min/poster) by all authors
18:00 - 19:30	**Posters of Session B: Processing Methods and Background Modelling, Session C: Combination, Validation, Session D: Hydrological**

Applications, Session F: Ice Mass Balance and GIA and Session I: Open Session

Comparison of polar motion excitation series from geometric space techniques, geophysical models and weekly GRACE gravity field models
by Franziska Göttl, Christoph Dahle, Roland Schmidt, Maik Thomas

The Sensitivity of Satellite Gravity Field Determination to Uncertainties in Atmospheric Models
by E. Fagiolini , L. Zenner, F. Flechtner, T. Gruber, G. Schwarz, T. Trautmann, J. Wickert

GRACE Simulation Study
by U. Meyer, R. Schmidt, F. Flechtner, B. Frommknecht

Integrated Sensor Analysis of the GRACE Mission
by Bjoern Frommknecht, Ulrich Meyer, Roland Schmidt, Frank Flechtner

Calibration of CHAMP and GRACE accelerometer data
by S Bruinsma, F. Perosanz, R. Biancale, J.-M. Lemoine, G. Balmino

Towards alternative gravity solutions from GRACE and future missions
by J. Kusche, R. Schmidt, F. Flechtner, F. Barthelmes, M. Schmidt, M. Schmeer

Monthly land waters solutions by least-square inversion of GRACE geoid data (2002-2006)
by Guillaume RAMILLIEN, Isabelle GROUSSET, William LLOVEL, Anny CAZENAVE, Frank FLECHTNER, Roland SCHMIDT

analysis of atmospheric density variations
by M. Schmeer, W. Bosch, H. Drewes

Validation of GRACE time series of continental water storage over the Amazon basin by comparison with water levels data
by Flàvio VAZ DE ALMEIDA, Joécila SANTOS DA SILVA, Guillaume RAMILLIEN, Stéphane CALMANT, Denizar BLITZKOW, Anny CAZENAVE, Richard BIANCALE, Jean-Michel LEMOINE

Large-Scale Terrestrial Freshwater Discharge Estimation using GRACE
by Tajdarul H. Syed, James S. Famiglietti, Don Chambers and Matthew Rodell

Superconducting gravimeter field deployment for hydrologic investigations and connections to GRACE
by Clark R. Wilson, Hongqiu Wu, Bridget Scanlon, John M. Sharp

Signals of Extreme Weather Conditions in Central Europe from GRACE 4-D Wavelet Expansions
by Florian Seitz, Michael Schmidt, C.K. Shum, Yiqun Chen

Interannual Variations of River Water Storage from a Multiple Satellite Approach: A case study for the Rio Negro basin
by Frédéric Frappart, Fabrice Papa, James Famiglietti , Catherine Prigent, William Rossow, Frédérique Seyler

Comparison of Simulated Groundwater Storage Variations to In Situ Observations and GRACE Terrestrial Water Storage Variations
by M. Lo, P. Yeh and J. Famiglietti

Glacial Isostatic Adjustment Studies Using GRACE and Other Data
by C.K. Shum, Michael Schmidt, Hyongki Lee, Junyi Guo, Lei Wang, Georgia Fotopoulos, Chung-Yen Kuo, Patrick Wu, Alexander Braun, Wouter van der Wal, Hansheng Wang, Dahning Yuan, Michael M. Watkins

Grace data over Canada and Antarctica and post-glacial rebond
by Fleitout, Luce

Error Distribution in Local Modeling of Potential Fields From Satellite Data
by Reyko Schachtschneider, Matthias Holschneider

Contribution of glacial-isostatic adjustment to geological and geodetic observables using a 3-D viscoelastic earth model
by V. Klemann, Z. Martinec and D. Wolf

Wednesday 17/10

Session F: Ice Mass Balance and GIA (Chair: tbd)

Patagonia Ice Field Melting Observed by GRACE
by J.L. Chen, C.R. Wilson, B.D. Tapley, D. Blankenship

Antarctic ice mass change estimates from GRACE: Results, uncertainties, and the combination with complementary information
by Martin Horwath, Reinhard Dietrich, Philippe Huybrechts, Stefanie Linow

8:30 - 10:30

	Recent results from GRACE in Antarctica and Greenland by Isabella velicogna and John Wahr
	Post-glacial rebound in Fennoscandia and North America - new results from GRACE by Holger Steffen, Jürgen Müller, Heiner Denker
	Progress towards assessing the contemporary evolution of the Greenland ice sheet by Philippe Huybrechts, Katrin Haasemann, Reinhard Dietrich, Michael Baessler
	Change of the Greenland ice sheet from GRACE – comparison of inversion and filtering methods by Rene Forsberg, Louise Sandberg Sorensen
	High latitude land ice mass flux from GRACE lumped harmonic masscon solutions by S. B. Luthcke , D. D. Rowlands , F. G. Lemoine , S.M. Klosko , H.J. Zwally , D. Hall , A. Arendt , J.J. McCarthy , T. A. Williams , D.S. Chinn
	Estimation of GIA over Fennoscandia from Combined Observations by M. E. Tamisiea, J. L. Davis, and E. M. Hill
10:30 - 10:50	Coffeebreak
10:50 - 12:50	**Session F: Ice Mass Balance and GIA (continued) and Session G: Dynamics and Structure of Mantle and Crust (Chair: Wolf)**
	The effect of GIA models on mass-balance estimates in Antarctica by R.E.M. Riva, B.C. Gunter, L.L.A. Vermeersen, R.C. Lindenbergh, and H.H.A Schotman.
	Regional ice-mass changes and glacial-isostatic adjustment in Antarctica from GRACE by Sasgen, I., Martinec, Z. and Fleming, K.
	Coseismic and Postseismic Deformation from the Sumatra-Andaman Earthquake Observed by GRACE by J.L. Chen, C.R. Wilson, B.D. Tapley, S.P. Grand
	Detection of the gravity changes induced by the Sumatra-Andaman earthquake using GRACE GFZ-RL04 data by Roland Schmidt, Rongjing Wang, Jürgen Kusche

	Study about the great earthquakes in 2004 by regional Slepian analysis of GRACE tracking data by Shin-Chan Han, Frederik Simons, Chen Ji
	Estimation of the coseismic and postseismic signatures in the GRACE gravity fields by Caroline de Linage, Luis Rivera, Sophie Lambotte, Jean-Paul Boy, Jacques Hinderer and Richard Biancale
	An estimate of post-seismic gravity change caused by the 1960 Chile earthquake and comparison with GRACE gravity fields by Yoshiyuki Tanaka, Volker Klemann, Kevin Fleming and Zdenek Martinec
	On the detection of mantle plumes by wavelet variances of the gravity field by Prof. Dr. Harro Schmeling, Dr. Ondrej Cadek, Prof.Dr. Willi Freeden, Matthias Klug
12:50 - 14:10	Lunch
14:10 - 16:10	**Session G: Dynamics and Structure of Mantle and Crust (continued) and Session I: Open Session (Chair: Ilk)** **Lower mantle density and temperature interpreted from thermodynamically self-consistent mantle mineralogy models** by h.-p.bunge, g. steinle-neumann, a.piazzoni **First steps towards 3D global density and dynamic model of the crust and mantle** by M.K. Kaban, A. Baranov, M. Rothacher and H. Schmeling **Satellite gravity and gravity gradients in lithospheric modelling and interpretation** by Ron Hackney, Hajo Götze, Sabine Schmidt Bijendra Singh, Virendra Tiwari, Kusumita Arora **Determination of the thickness of the lithosphere on a global scale** by F. Sodoudi und R. Kind **GPS radio occultation with GRACE: Recent results from GFZ** by J. Wickert, G. Michalak, T. Schmidt, G. Beyerle, C. Falck, S. Heise, C. Viehweg, F. Flechtner, L. Grunwaldt, W. Köhler, R. König, F.H. Massmann, D. Pingel, M. Rothacher, and B. Tapley

	Retrieval of electron density profiles from GRACE radio occultation data by N. Jakowski, C. Mayer, J. Wickert, S.Heise, W. Köhler **ESA's Supporting Activities Related to Mass Transport in the Earth System** by Roger Haagmans
16:10 - 16:30	Coffeebreak