

**Day 1, 8 March 2004**

08:30-09:00	Registration	Posters may be mounted from 8:30 onwards
	Opening Session	Chair: Jérôme Benveniste
09:00-09:10	Official Welcome	ESA
09:10-09:20	Workshop Objectives and Organization Final Schedule	Jérôme Benveniste
The GOCE Mission		
09:20-10:20	Development status of the GOCE programme	Danilo Muzi, Alex Popescu, Rune Floberghagen (for Rune Floberghagen)
10:20-10:40	High Level Processing Facility for GOCE: Products and Processing Strategy	Reiner Rummel
10:40-11:00	Coffee Break	
Oceanography and Synergy between Gravity and Altimetry		
11:00-11:20	The GRACE Mission: Status and Relevance to GOCE	Byron Tapley
11:20-11:40	The GOCINA project - an overview and status	Per Knudsen
11:40-12:00	Gravity field improvements in the North Atlantic region for the GOCINA project	Rene Forsberg
12:00-12:20	GOCINA developments of recommendations for using GOCE data in ocean analyses	Johnny Johannessen
12:20-12:40	BENEFITS OF GOCE TO STUDIES OF GLOBAL SEA LEVEL CHANGE	Philip Woodworth
12:40-13:00	Mass Transport and Mass Distribution in the Earth System	Jakob Flury
13:00-14:00	Lunch	
14:00-15:00	Poster Session	
National Activities Presentations		
	FROG: FRENCH RESOURCES ORGANISATION FOR GOCE	Sébastien Deroussi
	GOCE activities in the Netherlands	Radboud Koop
	GOCE activities in Germany	Jakob Flury
The GOCE Mission		
	The GOCE End-To-End System Simulator	Giuseppe Catastini
Oceanography and Synergy between Gravity and Altimetry		
15:00-15:20	Multiscale Modelling of Ocean Circulation	Dominik Michel
15:20-15:40	Transports and sea level slopes in high resolution ocean models	Keith Haines
16:00-16:20	Coffee Break	
16:20-16:40	Impact of geoid definition on the simulated strength of the equatorial undercurrent in a global data assimilation system.	Femke Vossepoel
16:40-17:00	GOCE Data Product Verification in the Mediterranean Sea	C.K. Shum (for Juan Jose Martinez-Benjamin)
17:30-18:30	Cocktail	

## Day 2, 9 March

Processing Algorithms up to the Geoid and Gravity Field (1)		
09:00-09:20	Recovery of the Earth's Gravity Field from GOCE Satellite Gravity Gradiometry: A Case Study	Oleg Abrikosov
09:20-09:40	GOCE Gravity Field Processing	Gernot Plank
09:40-10:00	Computation of Calibration Gradients and Methods for In-Orbit Validation of Gradiometric GOCE Data	Jürgen Müller
10:00-10:20	An enhanced space-wise simulation for GOCE data reduction	Federica Migliaccio
10:20-10:40	Coffee Break	
10:40-11:00	EFFECT OF HIGH-FREQUENCY TEMPORAL ALIASING ON GOCE GRAVITY FIELD SOLUTION	C.K. Shum
11:00-11:20	GOCE: Is aliasing a cause for concern?	Philip Moore
11:20-13:00	Poster Session	
	Numerical simulation of the gravity field recovery from GOCE mission data	Sean Bruinsma
	Gravity Gradients and Spherical Harmonics – A Need for Different GOCE Products?	Johannes Bouman
	GOCE Quick-Look Gravity Field Analysis	Roland Pail
	GOCE-SOFT: a software for GOCE data processing	Pavel Ditmar
	Validation Concepts for Gravity Field Models from New Satellite Missions	Thomas Gruber
	GOCE: dealing with large attitude variations in the conceptual structure of the space-wise approach	Mirko Reguzzoni
	Simulation results from combination of GOCE gridded SST and SGG data	Carl Christian Tscherning
	Gravity field analysis from preprocessed and calibrated GOCE observations ? The Delft Approach	Pavel Ditmar (for Roland Klees)
	Is there a common future for GOCE and GRID?	Keith Haines
13:00-14:00	Lunch	
Processing Algorithms up to the Geoid and Gravity Field (2)		
14:00-14:20	Precise Orbit Determination and Cal/Val for GOCE	Henno Boomkamp
14:20-14:40	Multiscale Modeling from EIGEN-1S, EIGEN-2, EIGEN-GRACE01S, GGM01, UCPH2002_0.5, EGM96	Martin Gutting
14:40-15:00	Modeling the Earth's gravity field from precise satellite orbit data: the acceleration approach works	Pavel Ditmar
Solid Earth		
15:20-15:40	Effects of topographic and isostatic masses in satellite gravity gradiometry	Franziska Wild
15:40-15:50	Coffee Break	
15:50-16:10	A linear algorithm for computing the spherical harmonic coefficients of the potential from a constant-density polyhedron	Olivier Jamet
16:10-16:30	High-Harmonic Geoid Signatures due to Glacial Isostatic Adjustment, Subduction and Seismic Deformation	Bert Vermeersen
16:30-16:50	Gravity Field Determination Using Multiresolution Techniques	Michael Schmidt
16:50-17:10	The Use of GOCE Data for Detection and Classification of Mantle Plumes	Gabriele Marquart
17:10-18:10	Poster Session	
	Kinematic and Dynamic Precise Orbit Determination of Low Earth Orbiters: Importance of the GPS Receiver Performance	Drazen Svehla
	The T5 Ion Propulsion Assembly for Drag Compensation on GOCE	Clive Edwards
	Comparison of some methods for modifying Stokes' formula in the GOCE era	Jonas Aagren
	Parameter Choice Strategies for Multiscale GOCE Modeling	Martin Gutting

	non-linear computation of the gravity field of an aspherical planet	Virginie Belleguic
	GOCE GRADIENTS VALIDATION BY THE AIRBORNE GRADIOMETER AND GRACE MEASUREMENTS.	Janusz Zielinski
	CALIBRATION/VALIDATION OF GOCE DATA OVER ANTARCTICA	C.K. Shum
	Upward/downward continuation of gravity gradients for precise geoid determination	Gyula Tóth
	STATIC GRAVITY MODEL DEVELOPMENT: INCORPORATION OF GOCE DATA	Erricos Pavlis
	A Bayesian approach to invert GOCE gravity gradient	Gwendoline Pajot
	A wavelet based representation of the gravity field.	Isabelle Panet
	Recovery of the gravity field signal due to a low viscosity crustal layer in GIA models from simulated GOCE data	Hugo Schotman
	GRAVITY AND GEOID IN THE ARCTIC REGION - THE NORTHERN GOCE POLAR GAP FILLED	Rene Forsberg
19.30	Dinner	

### Day 3, 10 March

Oceanography and Synergy between Gravity and Altimetry		
09:00-09:20	Estimating the ocean circulation and the geoid through a combined analysis of altimetric and geoid information.	Detlef Stammer
09:20-09:40	Recent improvement in altimetry: how MSS and MDT can benefit from it in combination with a GOCE geoid ?	Fabrice Hernandez
09:40-10:00	COMBINED USE OF ALTIMETRY , IN-SITU MEASUREMENTS AND A GEOID MODEL TO ESTIMATE A GLOBAL MEAN DYNAMIC TOPOGRAPHY: IMPACT OF GRACE AND GOCE DATA	Marie-Helene Rio
10:00-10:20	Use of GOCE for Operational Oceanography	Pierre-Yves Le Traon
10:20 - 10:40	Coffee Break	
10:40 - 11:20	Summary and recommendation from "Processing Algorithms up to the Geoid and Gravity Field" Round Table Discussion	
11:20 - 12:00	Summary and recommendation from "Solid Earth" Round Table Discussion	
12:00 - 12:40	Summary and recommendation from "Oceanography and Synergy between Gravity and Altimetry" Round Table Discussion	
12:40 - 13:00	Workshop Summary and closure	