

Memorandum of the 24th meeting of the Working Group for Geodynamics within the Nordic Geodetic Commission

Onsala Space Observatory 7 - 8 November 2000

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Matti Ollikainen Markku Poutanen Hannu Ruotsalainen	Finland	
Christof Völksen	Iceland	
Oddgeir Kristiansen Hans-Peter Plag	Norway	
Andreas Engfeldt Rüdiger Haas Gunnar Hedling Lotti Jivall Anders Olsson Hans-Georg Scherneck Martin Ekman	Sweden (Sweden / Åland)	Chairman Secretary

1. Short scientific presentations were given jointly with the Working Group for Satellite Geodesy. Those of geodynamic contents were:
Ruotsalainen, H & Virtanen, H: Recent gravity measurements along the Fennoscandian land uplift gravity line 65°.
Khan, S A: Determination of semi-diurnal ocean tide loading constituents using GPS.
Ekman, M: Determination of global sea level rise and its change with time.
Scherneck, H-G: 2500 days of BIFROST.
2. Brief national reports were given by Klaus Schmidt, Hannu Ruotsalainen, Christof Völksen, Hans-Peter Plag and Hans-Georg Scherneck. Written versions are enclosed.
3. The chairman will compile a report to the presidium consisting mainly of the memorandum and the national reports.
4. The starting of joint meetings with the satellite group was considered a good idea. A further idea of having a joint group meeting satellite + geoid + geodynamics once between the general NKG 4-year-meetings was supported.

5. Attempts should be made to introduce absolute gravimetry on the 63° land uplift gravity line. Before the next expected measurement in 2003 one should be able to judge whether there is need for an additional campaign with relative gravimeters.
6. There is limited support to carry out repeated absolute gravity measurements at present; there is money neither for renting or for buying an instrument in addition to the Finnish one.
7. Metsähovi, Ny Ålesund and possibly Onsala should be considered or made fundamental stations for geodynamic measurements.
8. It was agreed that the final version of a plan for a repeated absolute gravimetry network should be written by a group consisting of Hans-Georg Scherneck together with Hans-Peter Plag, Rene Forsberg and Markku Poutanen. The plan should be put into the framework of a Nordic geodynamic observing system, the aims and contents of which should be described in the beginning of the document. The document is to be presented to the presidium at the end of the year.
9. The next meeting will be held in Norway next year, possibly in autumn and preferably together with both the satellite and the geoid groups.

Martin Ekman