

# Polish Geodetic Students Expeditions to the Horsund Fjord in Spitsbergen

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## SUMMARY

In the period of 1988-2005 four polar expeditions to the Horsund Fjord in Spitsbergen were organized by the Warsaw University of Technology Faculty of Geodesy and Cartography. The main goals of the expeditions were to monitor the surface motion of the Hans-glacier situated close by the Polish polar station and geodynamical studies of the area of the Hornsund-fjord. During the last three expeditions (2003 2005) mainly GPS satellite measuring technologies were applied. Discussion of the results are presented in the paper. During the last expedition to the same area of Spitsbergen contribution of the Students' Association at the Faculty of Geodesy and Cartography at Warsaw University of Technology "Geoida" was considerable. The following studies have been executed: 1. Performing several series of metric photographs of the glacier front, 2. Documentation and inventory of new technical facilities and buildings of the Polish Polar Station, 3. Levelling of concrete foundation under reservoir for oil and petrol, 4. Supplementary measurements and works for the Polish Polar Station in Hornsund fjord. The short report of the works is presented in the paper.

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