This SCAR Antarctic Geodesy Symposium (AGS’01) was the third inter-period symposium arranged by the Working Group on Geodesy and Geographic Information as a contribution to the Giant program. It was hosted by Aerogeodezia, at the Arctic and Antarctic Research Institute, St Petersburg. Fourteen people participated in the symposium which included representatives from seven SCAR countries (see list of attendees).

The program contained presentations on recent history of Russian geodetic activities in Antarctica and reports on active research in Antarctica. A particularly notable presentation was made by Professor Reinhard Dietrich on the inclusion of results from the SCAR GPS surveys in the International Terrestrial Reference Frame (ITRF 2000) of the International Earth Rotation Service. A new area of research was the research project headed by Dr Cisak, on the influence of the atmosphere on precise GPS observations related to Antarctica. Australia presented details of an impressive on-line GPS processing service as a new tool for application in Antarctica. Extended discussion on methods for calibration of tide gauges followed the presentation by Dr Kazou Shibuya on Antarctic tide gauges.

Current field activities in Antarctica were highlighted were by Australia, Italy, Japan, Germany and USA. Feedback on the ANTEC, and the WG-GGI Geographic Information meetings, was given by several participants, who had attended these meetings held in the previous week in Siena.

A joint reception was hosted by AARI for the symposium attendees together with representatives from the separately held ATCM meeting. This reception was followed by a technical tour of the facilities at AARI including the Otto Schmidt Research Centre in the Institute. Presentations on the second day were followed up by technical tours to the Arctic and Antarctic Museum and inspection of the impressive facilities of the Aerogeodezia business enterprise.

The excellent symposium was by hosted by Dr Alexander Yuskevitch of Aerogeodezia utilising AARI facilities and continued the successful series of inter-period technical geodesy symposia. Most participants provided final versions or summaries of their presentations and these are published in this report.

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