



Instrumentation for Antarctica subglacial environments and its potential for the wider ocean observatory community

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Over the past several years a number of instruments have been developed to investigate subglacial environments in Antarctica. Challenges along the way were the deployment through narrow boreholes drilled through kilometer-thick ice and the depth rating of shallow water instrumentation. Overcoming these challenges resulted in small diameter instrumentation and an increase in their depth rating. The developments are currently in their final stage. Here we report on the testing of our nutrient analyzer (Envirotech) with improved depth rating and a porewater profiler (Unisense micro sensors) and discuss the potential of these instruments for the wider ocean observatory community.