KHz Data Capture, Visualisation, Processing And Storage With Standard Computer and Standard OS

C. Selke, L. Grunwaldt
(GFZ Potsdam)

We made a feasibility study to answer the question: Is it possible to receive kHz Data from Eventtimer A032ET, preprocess them together with the predicted values, visualise them in an appropriate form for the observer (including echo detection) and store them into a final file without any realtime OS? For this purpose, there was set up a test server that can play-back real kHz-data from SLR Graz in the A032ET-format in real time. A LabVIEW-program on a normal PC under WindowsXP demonstrates the possibility to complete all the tasks up to 7 kHz.