Fine structure of thermals in aride climate:
First results of glider-based in flight measurements

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Current developments in small single-board computers together with the low prices of high precision sensors, originally developed for smart-phones or automotive applications allow the realization of low cost equipment for measuring and data logging of meteorological and flight related parameters such as ambient temperature, pressure, and GPS data.

In this talk the realization of such equipment and first results on thermal flights in aride climate (Namibia, Africa) will be presented.