

Protection distances between magnetometers

E. Pulz, H.-J. Linthe
GeoForschungsZentrum Potsdam¹

A b s t r a c t: In an observatory it is desirable to use different magnetometers closed together. There are a lot reasons for this purpose. But one must be carefully, some types of magnetometers are generating any stray magnetic fields, and influencing therefore neighboring magnetometers. Different types of modern magnetometers had been tested by means of a Cs optically pumped gradiometer. The results of these magnetic measurements will be given. Protection distances between magnetometers are recommended.

Key words: magnetometers, protection of

¹ Adolf-Schmidt-Observatory, Lindenstr.7, D-14823 Niemegk
Telegrafenberg, 14473 Potsdam, Germany;
e-mail: epulz@gfz-potsdam.de, linthe@gfz-potsdam.de