The GGP (Global Geodynamics Project) superconducting gravimetric data are currently stored as raw text files in the GFZ (GeoForschungsZentrum-Potsdam) and ICET (International Center for Earth Tides-Tahiti).

Albeit a standard has been published for these records, it is not rigorously enforced, so small discrepancies exist between the time series provided by the GGP observatories. These discrepancies prevent any automated assimilation in the databases or signal processing chains. We therefore have developed an XML (eXtensible Markup Language) schema enabling a strict encapsulation of the GGP data, as well as ancillary scripts to transform the text data structured w.r.t. the old proprietary format into XML data, which we validate against our XML schema. We have also developed XSL stylesheets to generate human-readable versions of our XML data.

We present here the new XML format versus the old plain ASCII one, with its complete companion Toolkit Box, including a native XML database for small applications.