The foreseen SCHEMA of the new ICET database at the Geodesy Observatory of Tahiti

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Abstract: We describe the schema (tables / fields / relationships between tables) of the new ICET database which is under development at the Geodesy Observatory of Tahiti.

In a first step (to be completed by December 2008), the database will be operated offline with the ability to store any kind of measurements related to tides, including any « historical » records (spring gravimeters, extensometers, horizontal pendulums…), as well as superconducting gravimeter series (GGP), or even tide gauge /piezometer series.

In a second step (to be completed by April 2010), the database will be connected to the Internet, with online scripts that will permit the automated upload / download of data, as well as tidal analyses and detection of outliers.