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Release Notes for Micro-g LaCoste g8.0 Absolute Gravimeter Software

1. Upgrades, Features, and Bug Fixes

- Updated Tide Model (Small changes to the DC, Long coefficients).
- Updated Ocean Load Model (N2, A1, and SSA coefficients).
- Updated Graphics Package.
- Import/Export stability improved.
- Acquisition/Last Processed Date added to project file.
- Average Red/Blue separation added to project file (A-10/FG-L).
- Red/Blue now properly synced with ML-1 hardware (A-10/FG-L).
- Automatic reprogramming of Kronos GPS unit.
- Analog Channels 8 - 10 added for SIM systems (FG-5).
- Added DM.M to DD conversion.
- Failed trigger causes Pause rather than Time-out.
- ML-1 laser unlocks if manually stopped mid-set.
- FG-L standard uncertainty corrected to 10 microGals.

2. Notes for previous g users

- Passwords. Password files generated for versions of g previous to g7 will NOT work with g8. Users that upgrade to g8 will need to uninstall previous versions of g, install g8 and follow the built in instructions to create a small binary file, SysChk.bin, and send it to mking@microglacoste.com to receive an updated password file. This is required for each computer that runs g. Note that all previous g data, point files, and templates will still exist and operate with g8.

3. PCI vs. ISA.

- There are still effectively two versions of g8: one for real-time acquisition using an ISA Guide Time Interval Analyzer Card (most systems shipped prior to 2004) and another for real-time acquisition using a PCI Guide Time Interval Analyzer Card (most systems shipped after 2003). You will need to install the correct version of g8 to operate your gravimeter –

contact Micro-g if you have any questions as to the version of your TIA card (typically just a digital photo of the Time Interval Card is enough).

4. Any questions regarding the features of g8 or the upgrade process should be directed to Derek van Westrum at derek@microglacoste.com.