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## **Release Notes for Micro-g LaCoste g6.0 Absolute Gravimeter Software**

### **1. Upgrades, Features, and Bug Fixes**

- Includes and Improves upon all *g* 5.0 features.
- Current set mean updated with each drop in Set Window View
- ASCII Import and Export functions
- Email notification during data acquisition
- Newly updated Ocean Load routines
- Improved file I/O and memory management
- Graphics scales retain user's choice
- Clarified pop up help panels
- *g* processing and acquisition version bug fixed
- *gProjectMerge* now more robust

### **2. Details**

- In the Set View Window, the current set value will be updated with each drop (this is true after the first set is complete). This allows quick verification that the mean value is consistent with earlier sets.
- *g* still uses it's own binary format to store and process the gravity data, but it is now possible to export all Setup parameters and raw gravity data in ASCII format. *g* can also import this same ASCII format, where it will convert it to binary and process as normal.
- For system controllers with an internet connection, *g* can be set up to send periodic emails with real time processing results. Various amounts of information can be selected for email delivery after each set, every other set, or just at the end of a completed project.
- The Ocean Load Routines have updated to include the FES2004 versions of the M2, S2, K1, O1, N2, P1, K2\*, Q1 frequencies. Note that there is currently a problem with the 2004 K2 data file. An update to *g6* in mid-2006 is anticipated fixing this and adding 8 more of the FES2004 frequencies. Users will be contacted when the update is available.

### **3. Notes for previous *g* users**

- Passwords. Password files generated for versions of g previous to g6 will NOT work with g6. Users that upgrade to g6 will need to uninstall previous versions of g, run g6SysChk, and send SysChk.bin to [mking@microglacoste.com](mailto: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 g6.
- Note that the obsolete codes “Ocean Load” and “gToASCII” have been removed from the installation. Both functions are now included in the g program.

#### 4. **PCI vs. ISA.**

- There are still effectively two versions of g6: 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 g6 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).
5. Any questions regarding the features of g6 or the upgrade process should be directed to Derek van Westrum at [derek@microglacoste.com](mailto:derek@microglacoste.com).