TGATS software Status and example screen shots Feb/07/05

TGATS means "data recording"

- 1. TGATS SW is organized around recording of arbitrary "data histories". TGC SW was organized around image processing and SSPD math.
- 2. A dedicated BlackBox subsystem has been developed: the POM Data Logger. Arbitrary data histories, in arbitrary numbers, organized in arbitrary ways.
- 3. The Data Logger performs arbitrary measurements and records the numbers.

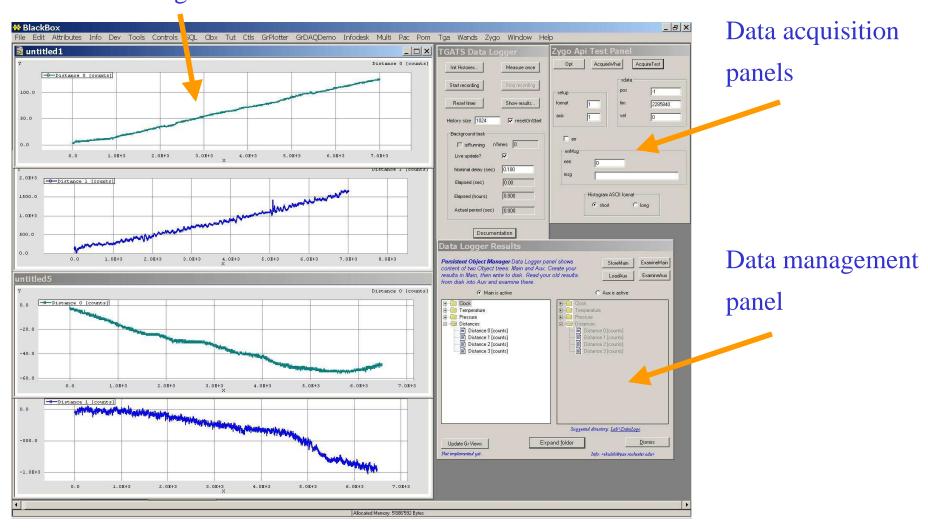
 The data histories are organized into an Explorer-like window.

 Graphical displays can be popped up by double-clicking.
- 4. The first type of histories already recorded: Zygo DMI Interferometer.

 Two DMI axes have been setup for testing.
- 5. Number of problems have been solved.The original DMI drivers had to be installed and made work. Was not easy.The DAQ would stop after ~1 hour. The DLL was modified and ran for 3 days.

Data Logger and DMI histories

DMI history recordings



A document with a live experimental record

Lab report

with embedded <u>live</u> plots

