Release 4.0 News

(That was the week that was)
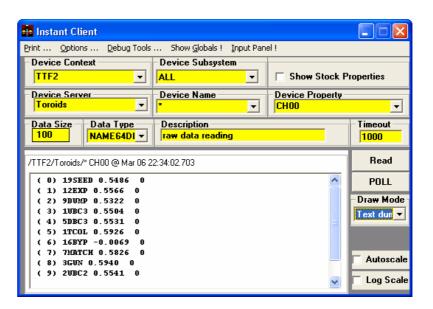
Bug fixes and features ...

- **C Kernel**
  - fix format as CF_NULL if data size == 0
  - fixed bug involving double buffer size where servers with property-query precedence have large number of devices (Honggong Wu)
  - fixed problem with wildcard calls involving redirection.
  - use a NAME64 device list in the wildcard table

Wildcard device call:

/TTF2/Toroids/* CH00

Bug fixes and features …

- Buffered Interface:
  - Numerous problems fixed regarding using tagged structures in the buffered server API.
  - New LabView VIs (more later)

Bug fixes and features ...

- Problem socket calls on most recent linux machines (acclxcimarch0).
  - Script using thistory run from subnet .234. and .47. causes a socket error
  - select() returns -1 ever after
  - errno = 0 (!)
  - Most likely: problem with ethernet card driver.

Central Services

- Central Archive
  - Now can configure optional archiving with 'high-resolution' timestamps
  - Now can configure optional archiving with status (in addition to FLTINT doublets)
  - TODO: Allow more data types to be retrieved "as is".
    - e.g. a "FLTINT" acquisition can be split into a float parameter and an int parameter OR it remain as a "FLTINT" parameter.

Central Services

- Group Equipment Name Server (GENS)
  - Release 3 Java-Server work-around.
  - Long timeouts in device name acquisition shortened.
  - TODO: asynchronous device name acquisition.