Bugs: Other Software Packages

The following is a list of known conflicts between CIAO and other software packages.

Bugs

1. ***Parameter file conflicts with HEAsoft***

   Both CIAO and FTOOLS use parameter files to store parameter values for tools, and provide tools for manipulating these files (e.g. plist, pset, punlearn; they have the same name in both systems). The location of the parameter files is taken from the $PFILES environment variables for CIAO and FTOOLS (or $UPARM if $PFILES does not exist).

   Common errors are:

   ```
   pget: could not get parameter "foo"

   and

   The following parameter:
       "foo,b,l,no,,,"Keyword""
   has the following error(s):
     o Mode field "l" is invalid.

   and

   The following parameter:
   "foo,i,h,INDEF,INDEF,INDEF,"description""
   has the following error(s):
   o Problem converting minimum field "INDEF" to parameter type "i".
   o Problem converting maximum field "INDEF" to parameter type "i".
   ```

   We recommend that you start FTOOLS *before* CIAO to minimize problems.

   More information on this problem is available in the CIAO and FTOOLS section of the Starting CIAO thread. Also refer to the related FAQ "The tool is failing because ")sval" has somehow shown up in the parameter value.".

2. ***CIAO and IDL: DYLD_BIND_AT_LAUNCH environment variable (Mac OS X)***

   If IDL is started in a window in which CIAO is already running, an error of the following format will occur:

   ```
   unix% idl

     dyld: Symbol not found: __XEditResPutWidgetInfo
       Referenced from: /Applications/rsi/idl_6.1/bin/bin.darwin.ppc/libXm.2.dylib
   ```

```
    Expected in: flat namespace

  Trace/BPT trap
```

This is due to the fact that both CIAO and IDL use the `DYLD_BIND_AT_LAUNCH` environment variable. By unsetting this variable, it is possible to get IDL to run:

```
unix% unsetenv DYLD_BIND_AT_LAUNCH

unix% idl
  IDL Version 6.1.1, Mac OS X (darwin ppc m32). (c) 2004, Research Systems, Inc.
  Installation number: 94064-13.
  Licensed for use by: Department License
```

However, `DYLD_BIND_AT_LAUNCH` is required for the CIAO GUIs (e.g. *Prism*), *ChIPS*, *Sherpa*, and `ahelp` (the help system) to run. Without it, they will try to start up but hang. The CIAO command−line tools are unaffected by the environment variable.

Workaround:

The only workaround to this problem at the present time is to run CIAO and IDL in separate windows.

Workaround: