

Science Tools support requests

- On Linux (and Windows if possible), I would like to have the development environment create and install the executables **exactly** as delivered by the installer. This is crucial to be able to write and deploy Python scripts that drive the Science Tools for various analyses, that others may use, and that can be run as part of the Release Manager unit tests (i.e., for the same package). As a developer on Linux, I would like to be able to type

```
make
make install
```

and I (hope to) see the single bin directory populated with exactly the same executables (whether they be wrapper scripts or not) that one gets for that package from the installer.

- For Python use, at least two environment variables must be set so that the shared libraries and Python modules are found. Currently, for using Likelihood from Python from an ST distribution obtained via the installer, they must be set like this:

```
setenv PYTHONPATH ${INST_DIR}/pyLikelihood/v0r1/rh9_gcc32:${INST_DIR}/pyLikelihood/v0r1/python:\
${INST_DIR}/lib:${GLAST_EXT}/ROOT/v4.02.00/root/lib:${PYTHONPATH}

setenv LD_LIBRARY_PATH ${GLAST_EXT}/ROOT/v4.02.00/root/lib:${GLAST_EXT}/cfitsio/v2470/lib:\
${GLAST_EXT}/cppunit/1.9.14/lib:${GLAST_EXT}/fftw/3.0.1/lib:${GLAST_EXT}/xerces/2.6.0/lib:\
${GLAST_EXT}/CLHEP/1.8.0.0/lib:${INST_DIR}/lib:${INST_DIR}/st_graph/v1r4p3/rh9_gcc32:\
${INST_DIR}/optimizers/v2r4p3/rh9_gcc32:${INST_DIR}/xmlBase/v5r2/rh9_gcc32
```

CMT supports this already. This needs to be supported for the end user and enabled somehow (e.g., by creating a setup.csh) when I type "make install". It would also be good if

```
setenv PATH ${INST_DIR}/bin:${PATH}
setenv CALDB ${INST_DIR}/irfs/caldb/v0/CALDB
setenv CALDBCONFIG ${CALDB}/software/tools/caldb.config
setenv CALDBALIAS ${CALDB}/software/tools/alias_caldb.fits
```

were enabled as well.

- There must be a central python subdirectory, just as we have planned for bin, lib, and pfiles, to hold our Python modules.