Status of "Analyzer" February 16, 2010

1) New Data Creation

Fixed and updated; all new data creation methods work correctly. No new bugs have appeared at low map resolutions. Some work needs to be done on the data generation dialog, as it still remains unintuitive (e.g. the reversal of sky map coordinates scenario).

2) EGRET Data

EGRET data loads correctly.

3) Fermi Data

Fermi data loads, although only point intensity data was tried. This dataset was only reasonably visible on the map view using the new "superlog" coloration scheme.

4) Run to Extrapolated Spectrum

Appears functional at this point; datasets which are analyzed with known characteristics display a correct power spectrum and extrapolated spectrum. The automated "analyze all" feature has not been tested.

5) Load Block Data

Not implemented.

6) Save CVS data

Not implemented.

7) Intermediate Pieces: Save/Load

Fully processed intermediate data files can be loaded and saved, though the method for doing so is not intuitive. However, no intermediate state data can be saved (i.e. partially completed operations).

8) Fix Information Dialog

Information dialog remains the same as the original: no change.

9) Load Non-regular ASCII data

Not implemented.

10) Fix Documentation

Comments have been added where appropriate; though no attempt has been made to generate the documentation or verify the correctness of existing comments. Much of the class structure remains undocumented or under-documented.

11) Command Line Version

Not implemented, though the ongoing restructuring of the "association" class is well on its way to making this feasible.

12) Windows Version

Not implemented

Additional:

Project backend has been cleaned to remove unnecessary files. The front end has not been cleaned, although such source files as "mainwindow.h" have been substantial reduced in size and code complexity.