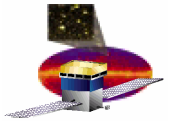
Installing the ScienceTools

- The release manager automatically compiles each release of the Science Tools, it creates a set of wrapper scripts in the bin/ directory that handle most of the environment setup required for each tool, and bundles the entire package into a zip or tar file. A database entry is made to log each release.

- The installers browse the database to provide the user with a list of available releases. Once the user has requested that a version be installed, it grabs the correct tar or zip file, along with the required external libraries (cfitsio, root etc) and unpacks them in the user specified location.



The installers

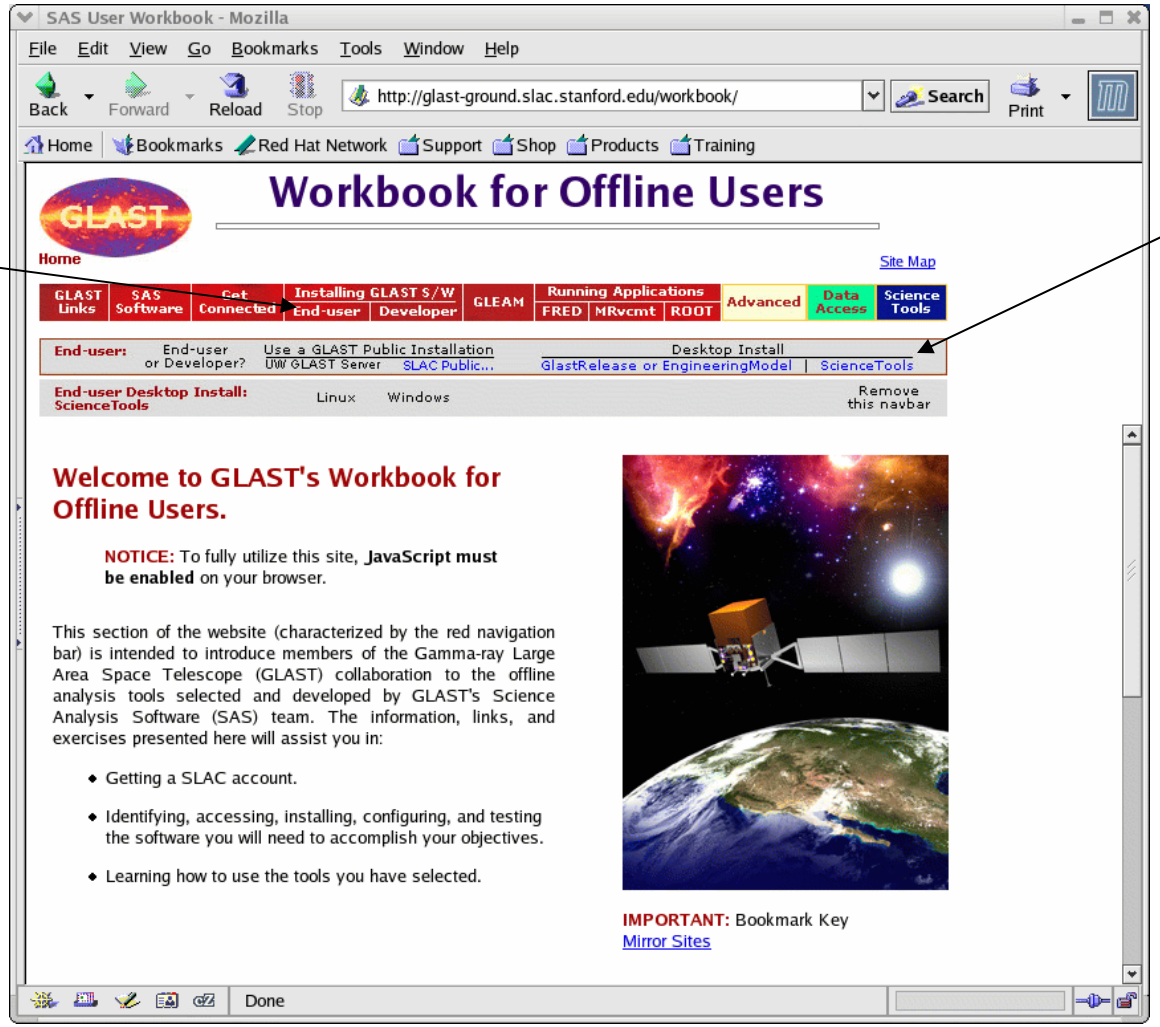
- **Two Flavours:**
  - **Command line script**
  - **GUI**
- **Both run under windows and linux, however, the GUI version only offers the option of installing windows binaries, and the command line script is awkward to set up in windows.**

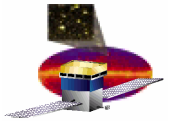
Workbook Documentation

- **http://glast-ground.slac.stanford.edu/workbook/**

End-user install

Sciencetools





Linux

- Set up a directories for the installation (the following are an example)
  - $HOME/ST/v6r0 (to contain the v6r0 release of the tools)
  - $HOME/ST/extlib (to contain the external libraries)
  - $HOME/ST/installer/ (to contain the installer script)
- Check that your perl installation contains the modules that you need.
  - perl –e “use DBI;use DBD::mysql”
- If there is no error, both modules are installed. These modules are included with redhat and fedora core linux, but are not installed at some institutions. If they are missing, it is easiest to install the libdbi-dbd-myql and libdbi rpms, alternatively install the modules directly (see link on the workbook)

Linux- 2

- Download the installer from ftp://ftp-glast.slac.stanford.edu/glast/u05/installer/installer.pl
- Make this script executable
  - chmod +x installer.pl
- Test that it works
  - Installer.pl –help
- Set the GLAST_EXT environment variable
  - setenv GLAST_EXT $HOME/ST/extlibs
- Install the tools, first see what is available
  - installer.pl –t rh9_gcc32 –p ScienceTools -c listPackages
  - This will return a list of available releases, for checkout 3 you will want v6r0 (but it is not available quite yet)
  - installer.pl –t rh9_gcc32 –p ScienceTools –v v6r0 –i $HOME/ST/v6r0 –c install
- This will install (among other things) $HOME/ST/v6r0/bin, this directory contains the set of script that run the sciencetools.

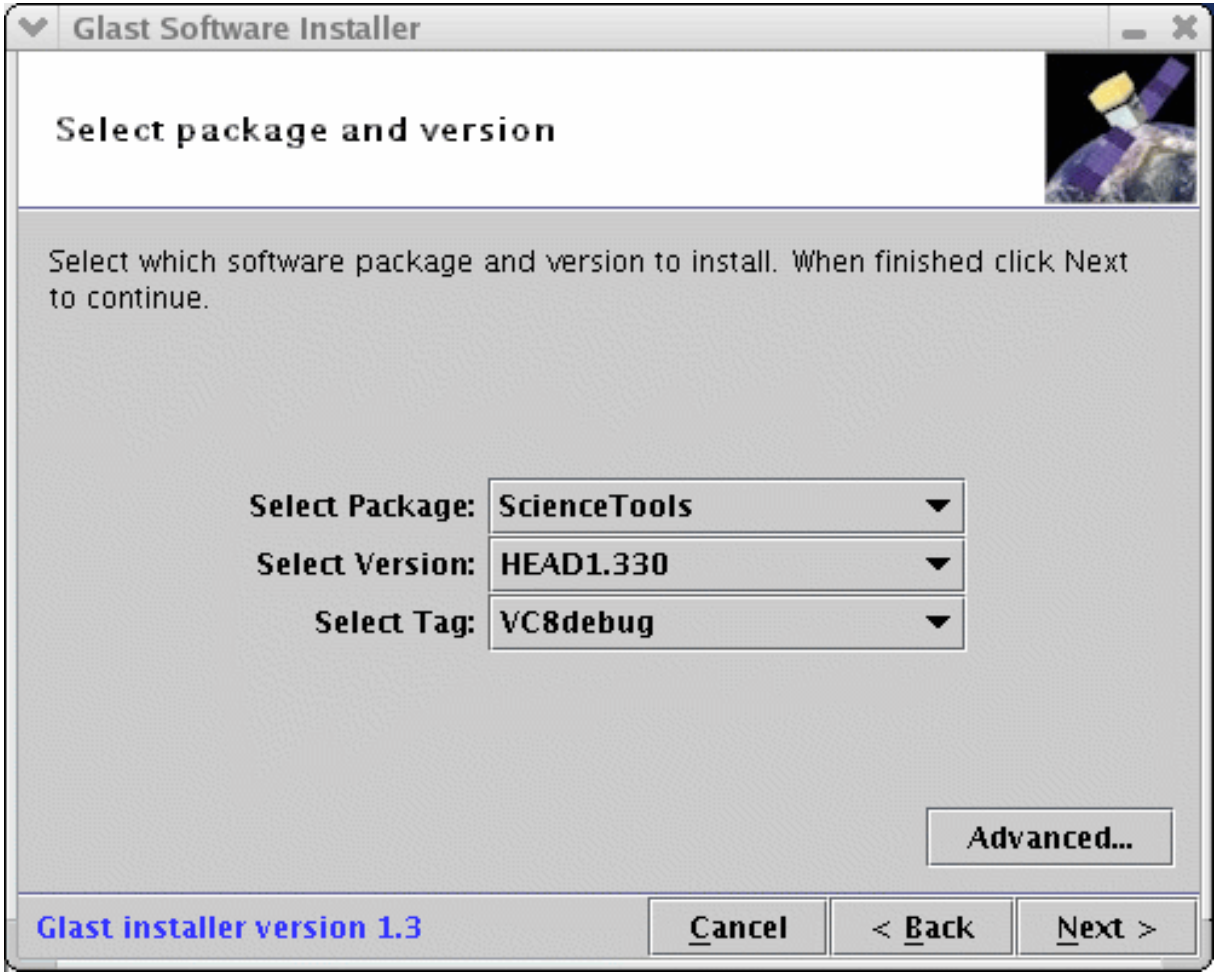
Windows

- **Set up directories.**
  - **Glast\ST (to hold the packages, installer will make a subdir)**
  - **Glast\GlastExternals (for the external libraries)**
  - **Important to choose a path that contains no spaces in the name!!**
- **Follow links (on the workbook) to the end-user install -> ScienceTools -> windows**
- **Click on Launch Installer Now! and follow the instructions.**

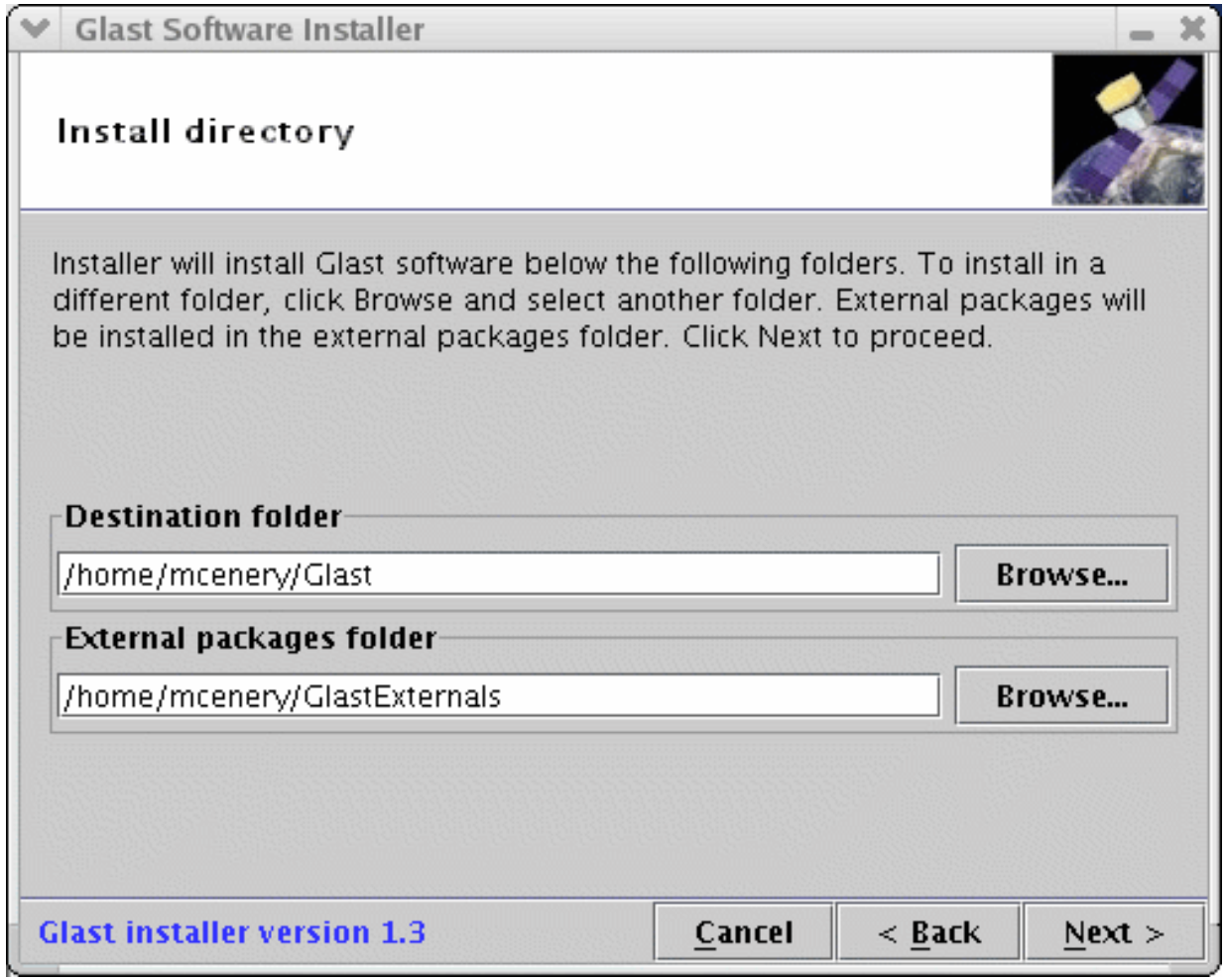
Windows - 2


Glast Software Installer
Welcome to the Glast installer
Welcome to the Glast software installer. Click Next to continue.
Gamma-ray Large Area Space Telescope
GLAST
Glast installer version 1.3
Cancel
< Back
Next >

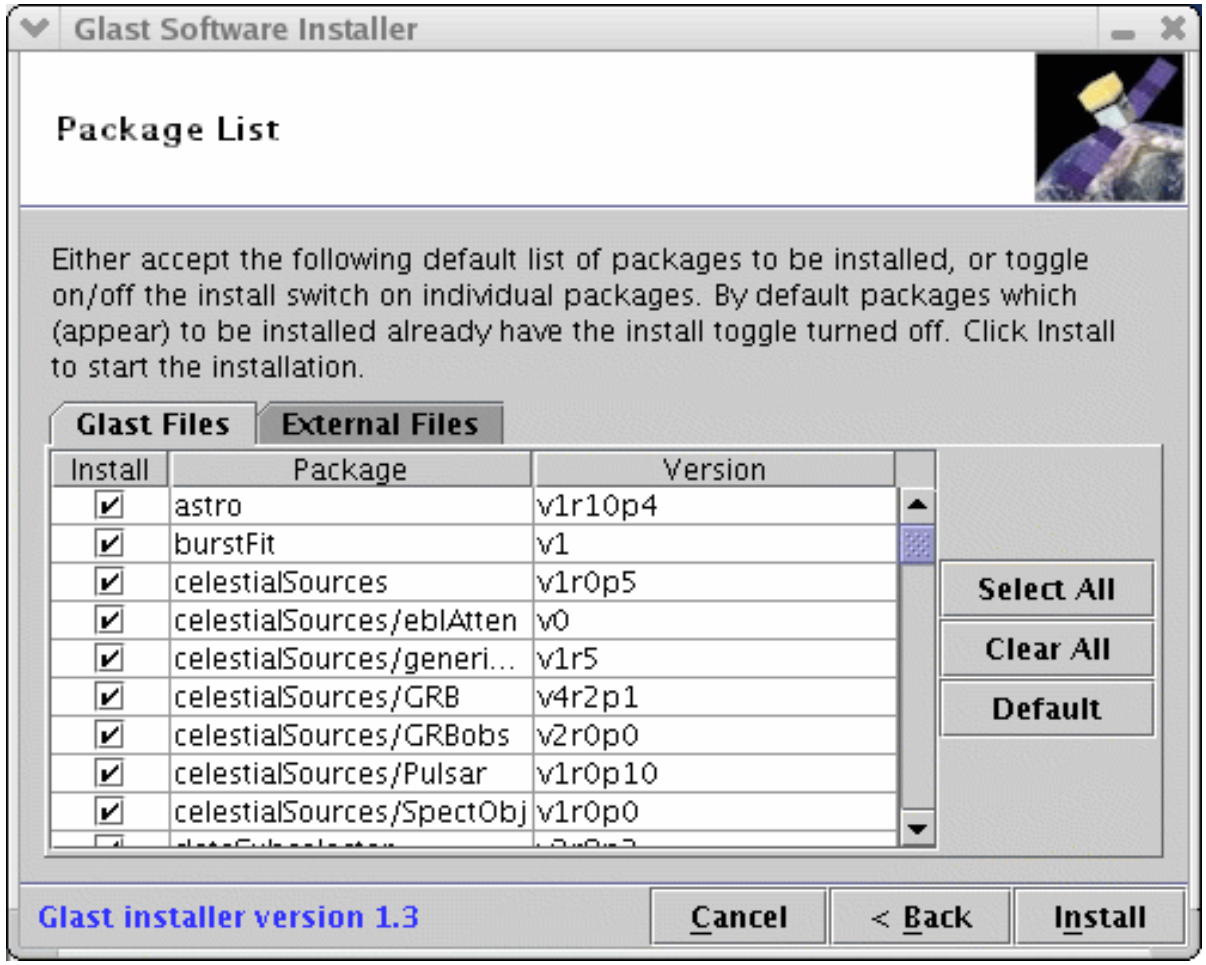
Windows


Glast Software Installer
Select package and version
Select which software package and version to install. When finished click Next to continue.
Select Package:
ScienceTools
Select Version:
HEAD1.330
Select Tag:
VC8debug
Advanced...
Glast installer version 1.3
Cancel
< Back
Next >

Windows


Glast Software Installer
Install directory
Installer will install Glast software below the following folders. To install in a different folder, click Browse and select another folder. External packages will be installed in the external packages folder. Click Next to proceed.
Destination folder
/home/mcenery/Glast
Browse...
External packages folder
/home/mcenery/GlastExternals
Browse...
Glast installer version 1.3
Cancel
< Back
Next >

Windows


Glast Software Installer
Package List
Either accept the following default list of packages to be installed, or toggle on/off the install switch on individual packages. By default packages which (appear) to be installed already have the install toggle turned off. Click Install to start the installation.
Glast Files
External Files
Install
Package
Version
astro v1r10p4
burstFit v1
celestialSources v1r0p5
celestialSources/eblAtten v0
celestialSources/generi... v1r5
celestialSources/GRB v4r2p1
celestialSources/GRBobs v2r0p0
celestialSources/Pulsar v1r0p10
celestialSources/SpectObj v1r0p0
Select All
Clear All
Default
Glast installer version 1.3
Cancel
< Back
Install