



Scripts and Packages

Scripts

Analysis scripts allow users to extend the functionality of a software package by writing custom "tools" to fit their specific needs. This is especially true in the case of S–Lang, since CIAO provides such extensive support for the language.

There are a number of scripts written in S–Lang available from the [Scripts page](#).

It is also possible to write Perl subroutines in S–Lang via the [Inline::SLang](#) Perl module, which is made available as [contributed software](#). The module allows you to embed any piece of S–Lang code into Perl; see [Calling S–Lang routines from Perl](#) for more information and examples.

Packages

A package is simply a set of interrelated S–Lang scripts that are installed as a group. It is different than a [module](#), which is a library of code that may be written in C, Fortran, or similar compiled languages.

There are a variety of packages available for use within CIAO:

SITAR

The S–lang/ISIS Timing Analysis Routines (SITAR) are a set of functions and subroutines designed to perform timing analysis of data.

evt2img

A simple interactive program that produces either a PNG or JPEG true–color (RGB) image from a Chandra event file.

