

## CTA Pipeline Tools

### fitsio

wrapper for row-wise  
FITS access  
(contains CFITSIO)

### AstroPy

units, coordinates  
astronomical data  
access, modelling,...

### SciKit-Learn

machine learning  
classification  
regression

### MatPlotLib

scientific plotting

### libWCS libERFA

Coordinate  
Transformations

### SciPy

optimization, interpolation,  
integration, signal  
processing, linear algebra,  
spatial analysis

### Misc Graphics Libs

(optionally Qt, GTK,  
Cairo,tk,OSX)

## NumPy

numerics, histogramming,  
vectors/matrices

## Python Standard Library

data structures, file access, string processing, regexps, OS interaction, data persistence, config and command-line parsing, interprocess communication, network communication, XML parsing, Tk GUI, multiprocessing, debugging, profiling, package distribution, etc...