

ScienceTools Package Author Review

Status options are:

- Active: Under active development
- Frozen: Package no longer under active development, but should still be in the ST
- Deprecate: Package should no longer be included in the ST

Membership options are:

- ScienceTools_User: Package under development, and belongs in a minimal-externals version of the ST
- ScienceTools: Package under development, and belongs in every version of the ST
- GLASTRelease
- Other?

Package	Current Author /Responsible party	Responsible Parties	Status	Membership	Issues re: ST_User
BayesianBlocks	Jim Chiang	No Change	Frozen	ST_User	
Likelihood	Jim Chiang	add Matthew Wood, Eric Charles	Active	ST_User	
astro	Toby Burnett	No Change	Active	ST_User, GR	
burstFit	James Peachey	add Joe Asercion	Deprecate		
catalogAccess	Aymeric Sauvageon	David Landriu	Frozen	ST_User (??)	
celestialSources	Jim Chiang	No Change		ST_User, GR	
celestialSources /EarthPhenom	Keith Bechtol	Luigi Tibaldo (??)	Frozen	ST, GR	
celestialSources/GRB	Nicola Omodei nicola.omodei@stanford.edu	No Change	Frozen	ST, GR	
celestialSources /GRBobs	Nicola Omodei nicola.omodei@stanford.edu	No Change	Frozen	ST, GR	
celestialSources /GRBtemplate	Nicola Omodei nicola.omodei@stanford.edu	No Change	Frozen	ST, GR	
celestialSources /Pulsar	Nicola Omodei nicola.omodei@stanford.edu	Add Massimiliano Razzano	Deprecate	ST, GR	
celestialSources /SpectObj	Nicola Omodei nicola.omodei@stanford.edu	No Change	Frozen	ST, GR	
celestialSources /ebiAtten	Jim Chiang	No Change	Active	ST_User, GR	
celestialSources /genericSources	Jim Chiang	No Change	Frozen	ST_User, GR	excluded source files needing ROOT
celestialSources /microQuasar	Richard Dubois	No Change	Deprecate		
dataSubselector	Jim Chiang	No Change	Frozen	ST_User	
embed_python	Toby Burnett	No Change	Frozen	ST_User	
evtUtils	Eric Charles	No Change	Frozen	ST, GR	
evtbin	James Peachey	add Joe Asercion	Frozen	ST_User	
facilities	Toby Burnett	Joanne Bogart	Frozen	ST_User, GR	
fitsGen	Jim Chiang	No Change	Frozen	ST, ST_User	will be ROOT optional; needed by observationSim
fitsGenApps	Jim Chiang	No Change	Frozen	ST	
flux	Toby Burnett	No Change	Frozen	ST_User, GR	
healpix	Toby Burnett	Eric Charles	Frozen	ST_User	
hoops	James Peachey	add Joe Asercion	Frozen	ST_User	
irfs	Jim Chiang	No Change			
irfs/caldb	Jim Chiang	No Change	Frozen	ST_User	

irfs/caldb_release	Jim Chiang	No Change	Deprecate		
irfs/dc1Response	Jim Chiang	No Change	Deprecate		
irfs/dc1aResponse	Jim Chiang	No Change	Deprecate		
irfs/dc2Response	Jim Chiang	No Change	Deprecate		
irfs/g25Response	Jim Chiang	No Change	Deprecate		
irfs/handoff_response	Toby Burnett	No Change	Frozen	ST	
irfs/irfInterface	Jim Chiang	No Change	Frozen	ST_User	
irfs/irfLoader	Jim Chiang	No Change	Frozen	ST_User	
irfs/irfUtil	Jim Chiang	No Change	Frozen	ST_User	
irfs/latResponse	Jim Chiang	No Change	Frozen	ST_User	
irfs/pyIrfLoader	Jim Chiang	No Change	Frozen	ST_User	
irfs/rootIrfLoader	Jim Chiang	No Change	Frozen	ST	
irfs/testResponse					
likeGui	Jim Chiang	No Change	Frozen	ST_User	
map_tools	Toby Burnett	No Change	Frozen	ST_User	
observationSim	Jim Chiang	No Change	Frozen	ST_User	
optimizers	Jim Chiang	No Change	Frozen	ST_User	
orbitSim	Eric Winter	change to Alex Reustle	Active	ST_User	
periodSearch	James Peachey	add Joe Asercion	Deprecate		
pgwave	Jim Chiang	No Change	Frozen	ST	
pointlike	Toby Burnett	No Change	Active	ST_User (unsupp)	requires ROOT (half the classes at least reference ROOT classes). Excluded from ST_User
pulsarDb	James Peachey	add Joe Asercion	Deprecate		
pulsePhase	James Peachey	add Joe Asercion	Deprecate		
pyBurstAnalysisGUI	Giacomo Vianello	No Change	Active	ST_User	
pyExposure	Jim Chiang	No Change	Frozen	ST_User	
pyLikelihood	Jim Chiang	add Matthew Wood, Eric Charles	Active	ST_User	
rspgen	James Peachey	add Joe Asercion	Frozen	ST_User	
sane	Jim Chiang	add Matthew Wood, Eric Charles	Frozen	ST_User	spurious dependence on observationSim removed. It builds
skymaps	Toby Burnett	No Change	Frozen	ST_User	Class ComplexSkySpectrum requires ROOT. If this class is excluded, package builds.
sourceIdentify	Jurgen Knodlseder knodlseder@cesr.fr	No Change	Frozen	ST_User	
st_app	James Peachey	add Joe Asercion	Frozen	ST_User	
st_facilities	Jim Chiang	No Change	Frozen	ST_User, GR	
st_graph	James Peachey	add Joe Asercion	Frozen	ST_User	
st_stream	James Peachey	add Joe Asercion	Frozen	ST_User	
timeSystem	James Peachey	add Joe Asercion	Frozen	ST_User	
tip	James Peachey	add Joe Asercion	Frozen	ST_User, GR	
xmlBase	Joanne Bogart	No Change	Frozen	ST_User, GR	

Externals

Package	Status	Distribute?	Available via conda
f2c	Frozen	Yes	Yes
fftw	Active	No	Yes

swig	Active	No	Yes
xerces	Active	No	Yes
heacore (HEASARC)	--	??	Yes
cfitsio (HEASARC)	--	??	Yes
wcslib	Active	??	Yes
cppunit	Frozen	Yes	Yes
CLHEP	Frozen	Yes	Yes
gsl	Active	No	Yes
scipy	Active	No	Yes
numpy	Active	No	Yes
matplotlib	Active	No	Yes
wcsaxes	Active	Recommend	Yes
astropy	Active	Recommend	Yes
pyfits	astropy	astropy	Yes
pywcs	astropy	new interface?	Yes
pyyaml		No	Yes
aplpy		No	Yes
minuit (HEASoft)	Frozen?	Yes	Yes

External Files for Separate Distribution

Files	
extFiles	
catalogProducts	
diffuseModels	