

sbpy

data containers and data functions

ephemerides and  
observations

■ Ephem

orbital elements  
and orbit fitting

▲ Orbit

physical  
properties

◆ Phys

naming  
conventions

⊕ Names

miscellaneous query functions

bibliography and reference  
tracking

● bib

data

activity

cometary gas and dust coma  
simulation and analysis tools

photometry

photometric phase curves for  
resolved and unresolved data

shape

shape model tools, lightcurve  
inversion

spectroscopy

line emission and reflectance  
spectroscopy analysis tools

thermal

asteroid thermal models and fit  
routines

imageanalysis

comet enhancement and  
PSF subtraction routines

obsutil

observation planning tools