





















A Community Python Library for Solar Physics and sustainable!

## LEGACY CODE

[...] *legacy code* is simply code without tests.

Code without tests is bad code. It doesn't matter how well written it is; it doesn't matter how pretty or object-oriented or well-encapsulated it is. With tests, we can change the behavior of our code quickly and verifiably. Without them, we really don't know if our code is getting better or worse.

Working Effectively with Legacy Code by Michael Feathers

#### **TESTS**

### sustainable!





# git















**Contributing quide** 

**Code of Conduct** 

**SEPs** 





```
VSO
JSOC
GOES
NOAA
NORH
FERMI
Fido.search(a.Time('2012/3/4', '2012/3/6'), a.Instrument('aia'), a.wso.Sample(10*u.minute))
Mavelength(171*u.angstrom), a.vso.Sample(10*u.minute))
NORH
FERMI
Fido.search(a.Time('2012/3/4', '2012/3/6'), a.Instrument('rhessi'))
a.Instrument('lyra') | a.Instrument('rhessi'))
```



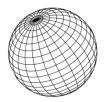


>>> my\_map = sunpy.map.Map('/mydirectory/mymap.fits')

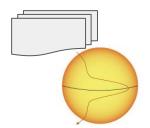


- VSO
- JSOC
- GOES
- NOAA
- NORH
- FERMI
- ..





- Yohkoh
- SoHO
- TRACE
- STEREO
- PROBA2 >>> my map.plot()
- SDO
- Hinode
- Iris
- ..

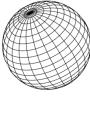




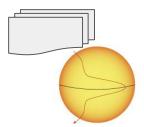


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- ...





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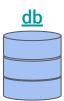
- GOES
- NOAA
- Lyra
- EVE
- Rhessi
- Fermi
- ...

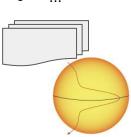


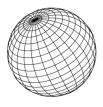




- VS0
- JSOC
- GOES
- NOAA
- NORH
- FERMI
- ...







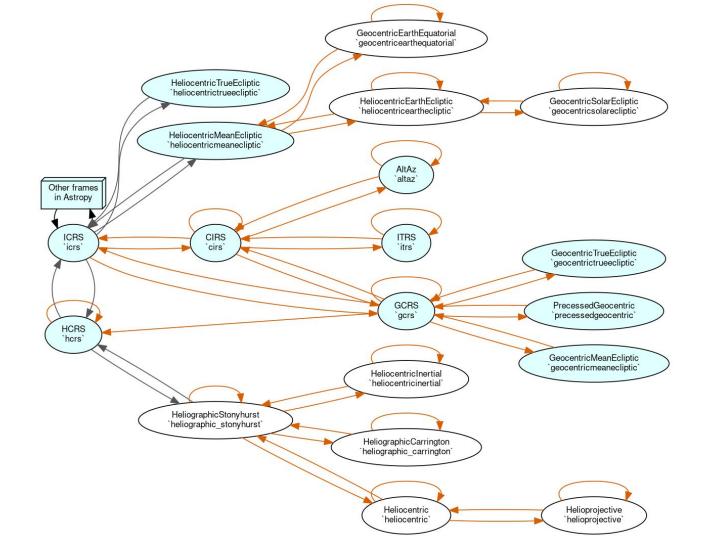
- Yohkoh
- SoHO
- TRACE
- STEREO
- PROBA2
- SDO
- Hinode
- Iris
- ...

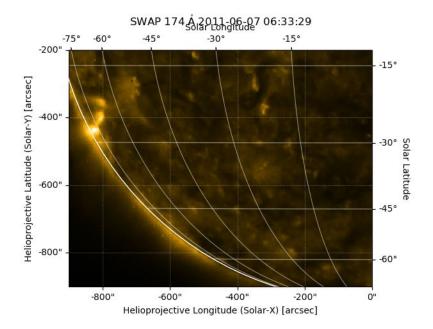


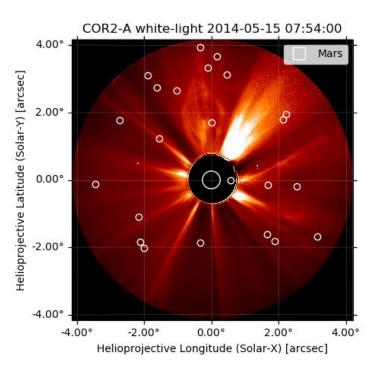


- GOES
- NOAA
- Lyra
- EVE
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- Fermi
- ...





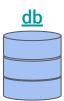


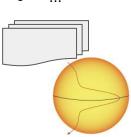


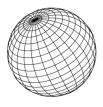




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#### **Affiliated packages**

radiospectra



drms









#### other packages



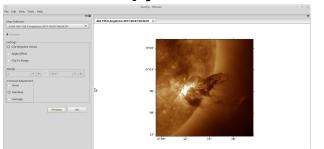
**XRAYVISION** 

**Sunkit-Image** 

SolarBExtrapolation



#### **Sunpy Viewer**



#### **NuSTAR Solar**





#### Where does SolO want to be?

- At least do 

  Tests

  Documentation

  Releases

  issues tracker

  accept and review contributions