SunPy Hands-on Tutorial

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SunPy is a community supported python package for solar physics. Since origin in 2011, SunPy has matured from a collection of useful routines into a robust platform for scientific discovery. This tutorial will walk through the major components of SunPy: data acquisition with FIDO, image analysis with Map, time series analysis with TimeSeries, and general Utilities that will aid your data exploration. We will conclude with a discussion of what to look forward to in SunPy version 1.0, which is expected to be released in 2019. This tutorial expects the attendees to have a basic familiarity with python, but will walk through the SunPy routines and give specific examples of where SunPy can help your current research.