

Abstract Submitted  
for the DPP20 Meeting of  
The American Physical Society

**SunPy : The community-developed, free and open source solar data analysis environment for Python.**<sup>1</sup> LAURA HAYES, NASA Goddard Space Flight Center, THE SUNPY COMMUNITY TEAM — The goal of the SunPy project is to facilitate and promote the use and development of community-led, free, and open source data analysis software for solar physics based on the scientific Python environment. The project achieves this goal by developing and maintaining the SunPy core package, supporting an ecosystem of affiliated packages, and educating the solar physics community about the Python scientific software stack. In the last year, the SunPy project released the first official stable release (version 1.0) of the core package, won a grant from NASA, published a paper about the project in *The Astrophysical Journal* (The SunPy Community et. al, 2020), published a paper about the software in *The Journal of Open Source Software* (Mumford et al., 2020), and surveyed the solar physics community about software and hardware usage published these results in *Solar Physics* (Bobra et al., 2020). This talk will present how the sunpy package can be used for solar physics data analysis and discuss the current status and roadmap for the package.

<sup>1</sup>Presenting on behalf of the SunPy Community

Laura Hayes  
NASA Goddard Space Flight Center

Date submitted: 02 Jul 2020

Electronic form version 1.4