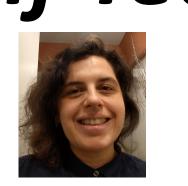
DOIs have impact. But we can do more.

Imagine how many more users we could reach if we...

 Integrate DOI with our main search tools and APIs. Improve discoverability and metadata. •Improve support for large-scale datasets and multiple versions.

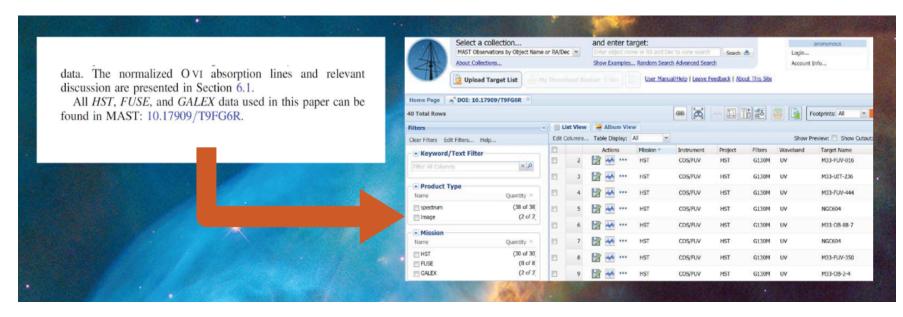
Three and a Half Years of MAST DOIs

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INTRO

The MAST DOI service allows users to create persistent data links that can be included in publications. Usage has grown over the last 3.5 years, but more work is needed to expand usership.

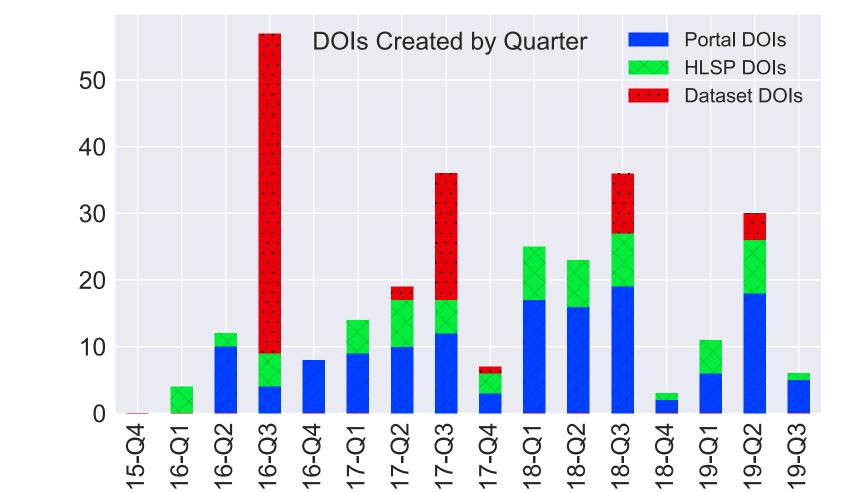


https://archive.stsci.edu/doi/search/



• The DOI service has largely served as a pilot for STScl authors, so new DOI creations have not significantly increased, although they have remained more-or-less steady.

STScI



Check out these other MAST posters:

- **MAST API P7.3**
- Community-Contributed Datasets P7.12
- My year of Agile P9.22
- The ExoMAST Portal P7.4
- For Portal DOIs, HST and HLA data dominate other MAST missions.

Mission	Observation Count
HST	21049
HLA	17177
IUE	532
SWIFT	208
FUSE	168
K2	122
HLSP	54
PS1	40
SPITZER_SHA	16
GALEX	13
HUT	6
K2FFI	4
WUPPE	4
EUVE	2

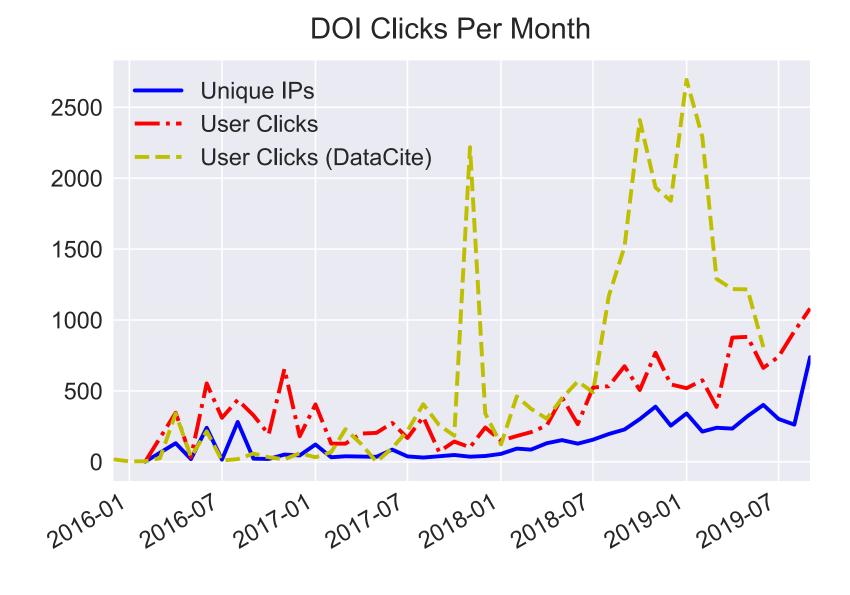
METHODS

- Analyzed 3.5 years of server logs (~17000 events after filtering).
- A DOI click is defined as a landing page visit.
- Cleaned and normalized logs to remove known and suspected bots and malicious traffic.

RESULTS

Since 2016 MAST users have created 415 DOIs:138 in Data Portal (<u>https://mast.stsci.edu/doi</u>), 179 HLSP, 98 other dataset.

- Nevertheless, we see increases in unique users and total DOI clicks.



TESS	2	
Kepler	1	

DISCUSSION

- DOI clicks and total number of users are increasing but DOI adoption does not yet reflect overall publication rates and trends for MAST.
- For JWST we will strongly encourage use \bullet of DOIs from the start of the mission, therefore we should make our tools more visible and easier to use in anticipation of a larger user base.

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https://iopscience.iop.org/article/10.3847/1538-4357/835/2/205



NASA / ESA / A. Simon (GSFC) / J. Schmidt FINISHING TOUCHES

This work used data acquired from the NASA/ESA HST Space Telescope, associated with OPAL program (PI: Simon, GO13937), and archived by the Space Telescope Science Institute, which is operated by the Association of Universities for Research in Astronomy, Inc., up SA contract NAS 5-26555. All maps are available at http://dx.doi.org/10.17909/T9G593.

new constraints to be placed on the evolution of these features, including the first documentation of the origin of a dark vortex on Neptune.	Publication History	THE ASTROPHYSICAL JOURNAL
Acknowledgments	Issue Online: 11 April 2019	
This work used data acquired from the NASA/ESA Hubble Space Telescope, associated with OPAL program (PI: Simon, GO13937), and archived by the Space Telescope Science Institute, which is operated by the Association of Universities for Research in Astronomy, Inc., under NASA contract NAS 5-26555. All OPAL maps are available at <u>https://doi.org/10.17909/T9G593</u> , and we acknowledge financial support from this program and from program GO-14492. We thank Agustin Sánchez-Lavega for helpful discussions. <u>https://agupubs.onlin 10.1029/2019GL08196</u>	Version of Record online: 25 March 2019 Manuscript accepted: 14 February 2019 Manuscript revised: 05 February 2019 Manuscript received: elibrary.wiley.com/doi/	Chasing Shadows: Rotation of the Azimuthal Asymmetry in the TW Hya Disk* John H. Debes ¹ Ocharles A. Poteet ¹ , Hannah Jang-Condell ² Andras Gaspar ³ Dean Hines ¹ <
DOIs in the wild!		Data behind the figure Figure 1 External repository MAST dataset What is article data?