

# 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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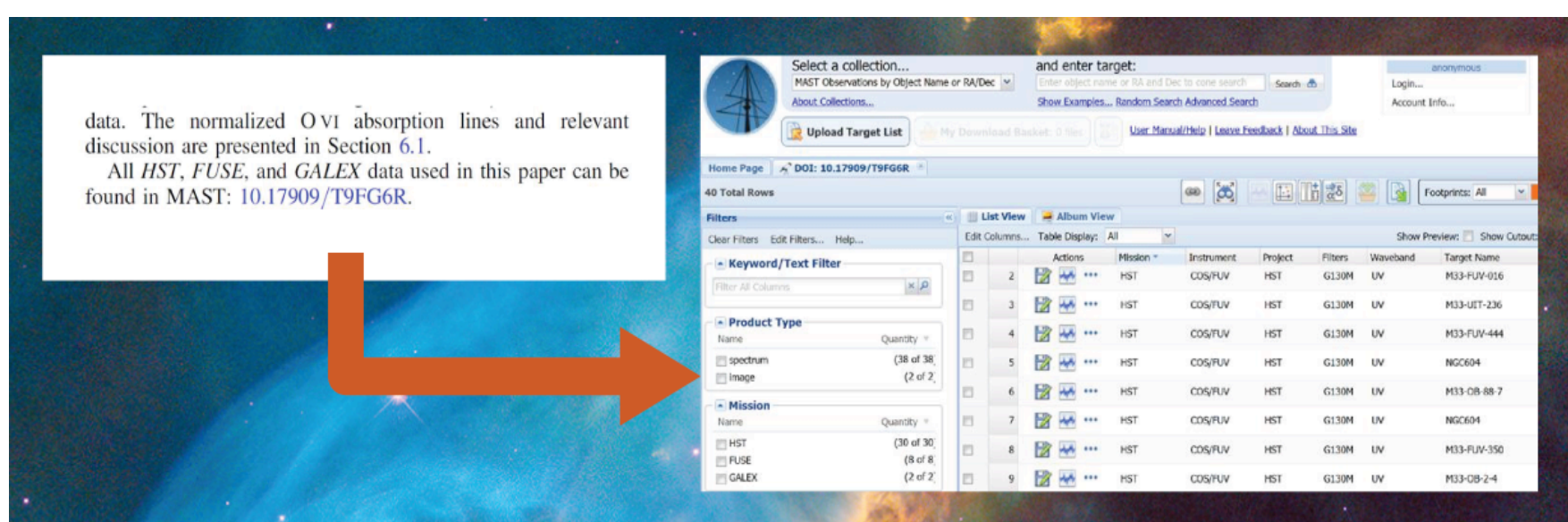


**Check out these other MAST posters:**

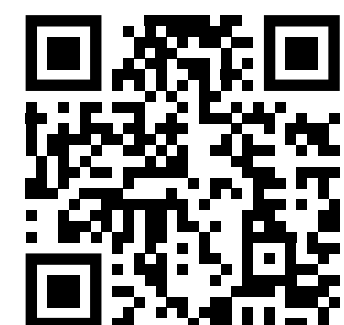
- MAST API - P7.3
- Community-Contributed Datasets – P7.12
- My year of Agile – P9.22
- The ExoMAST Portal – P7.4

### INTRO

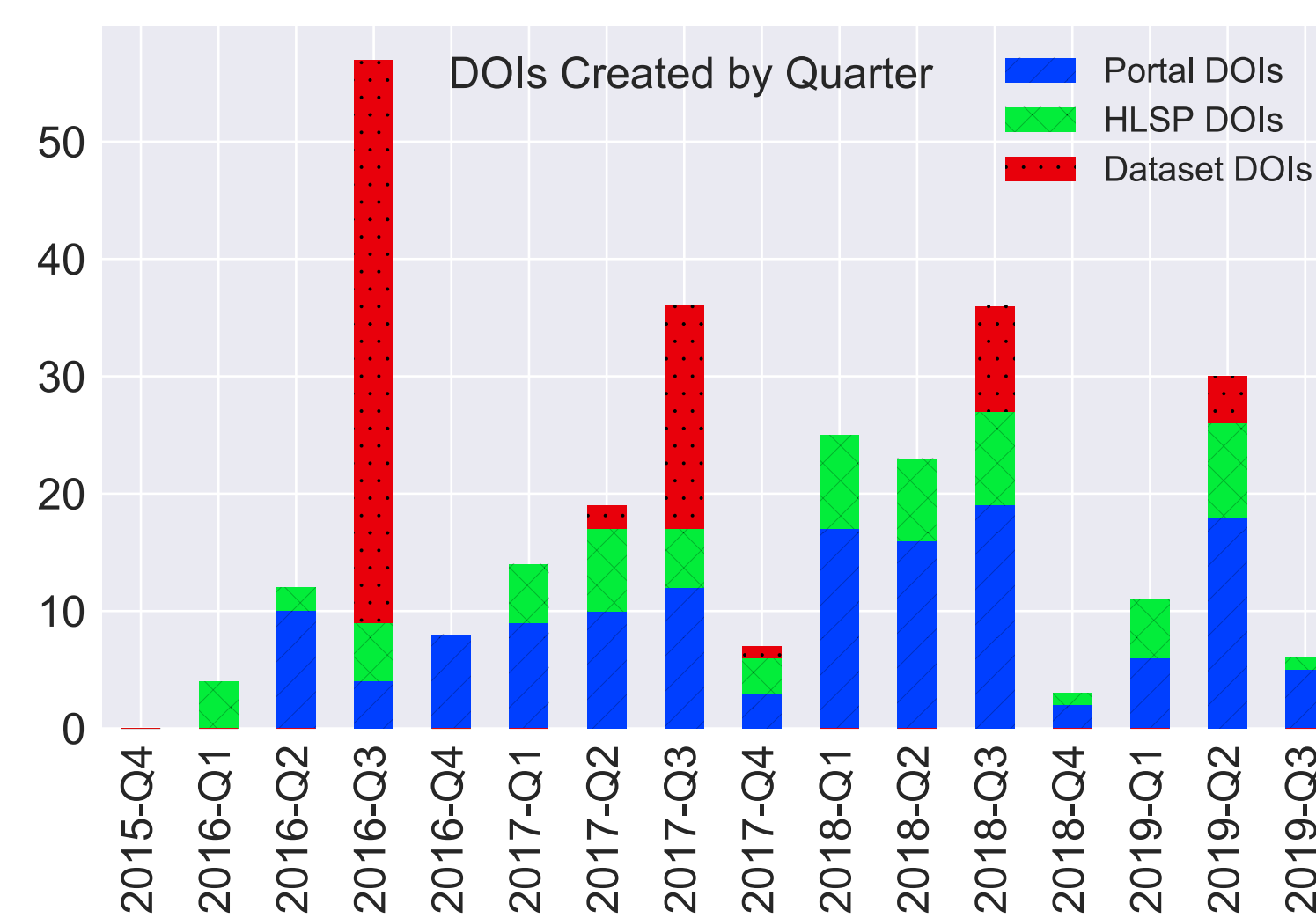
- The MAST DOI service allows users to create persistent data links that can be included in publications. Usage has grown over the last 3.5 years, but more work is needed to expand usership.



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



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



- 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
TESS	2
Kepler	1

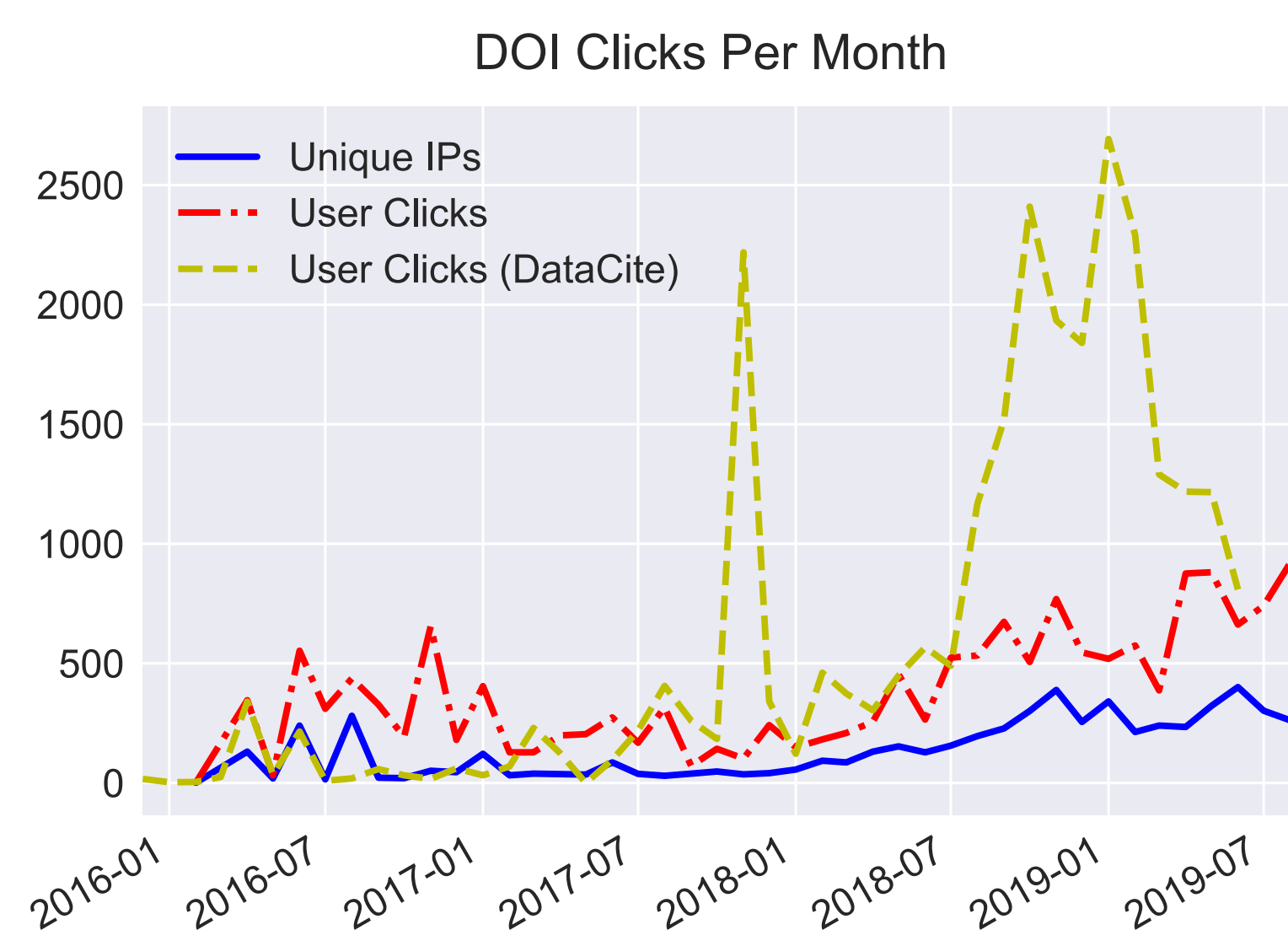
### METHODS

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

### RESULTS

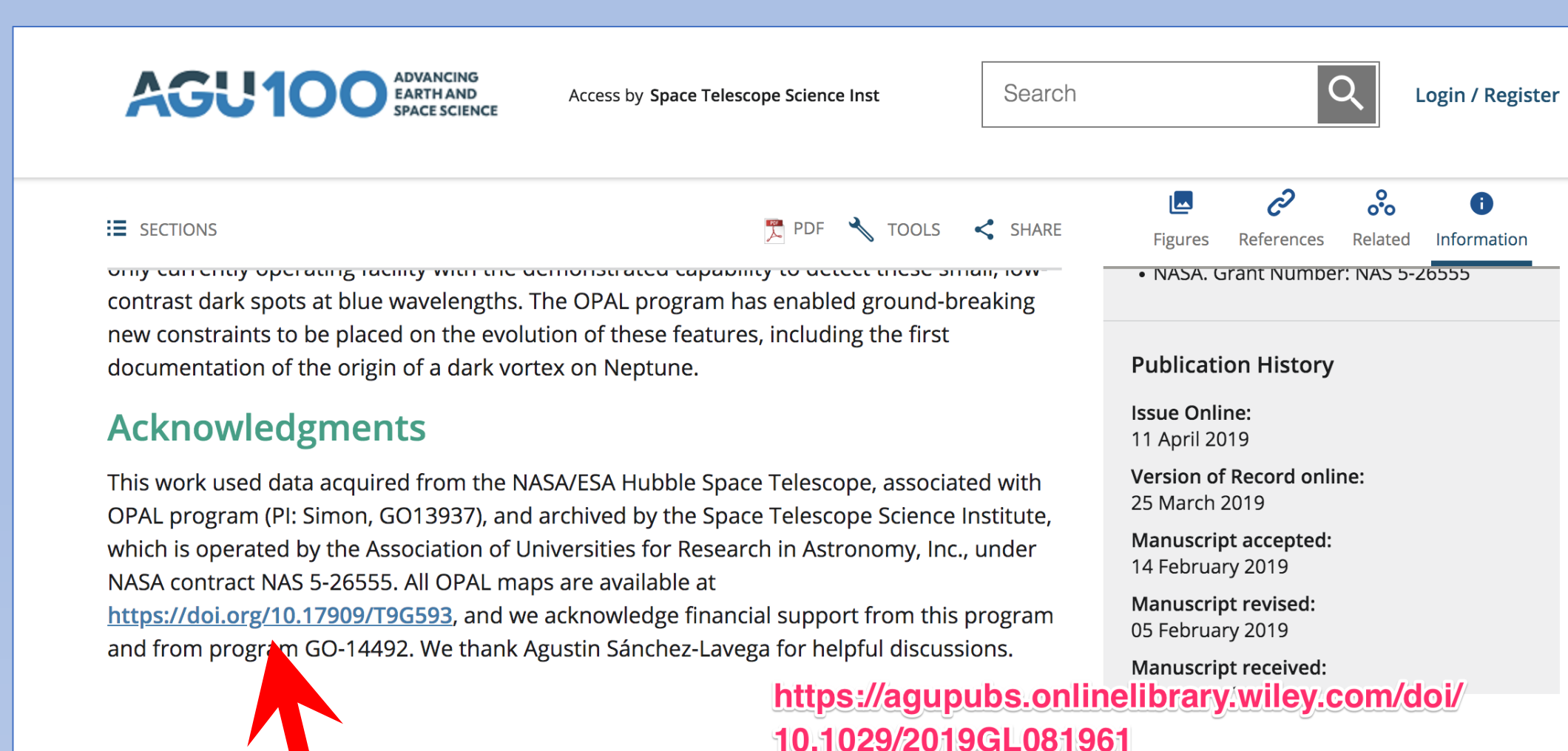
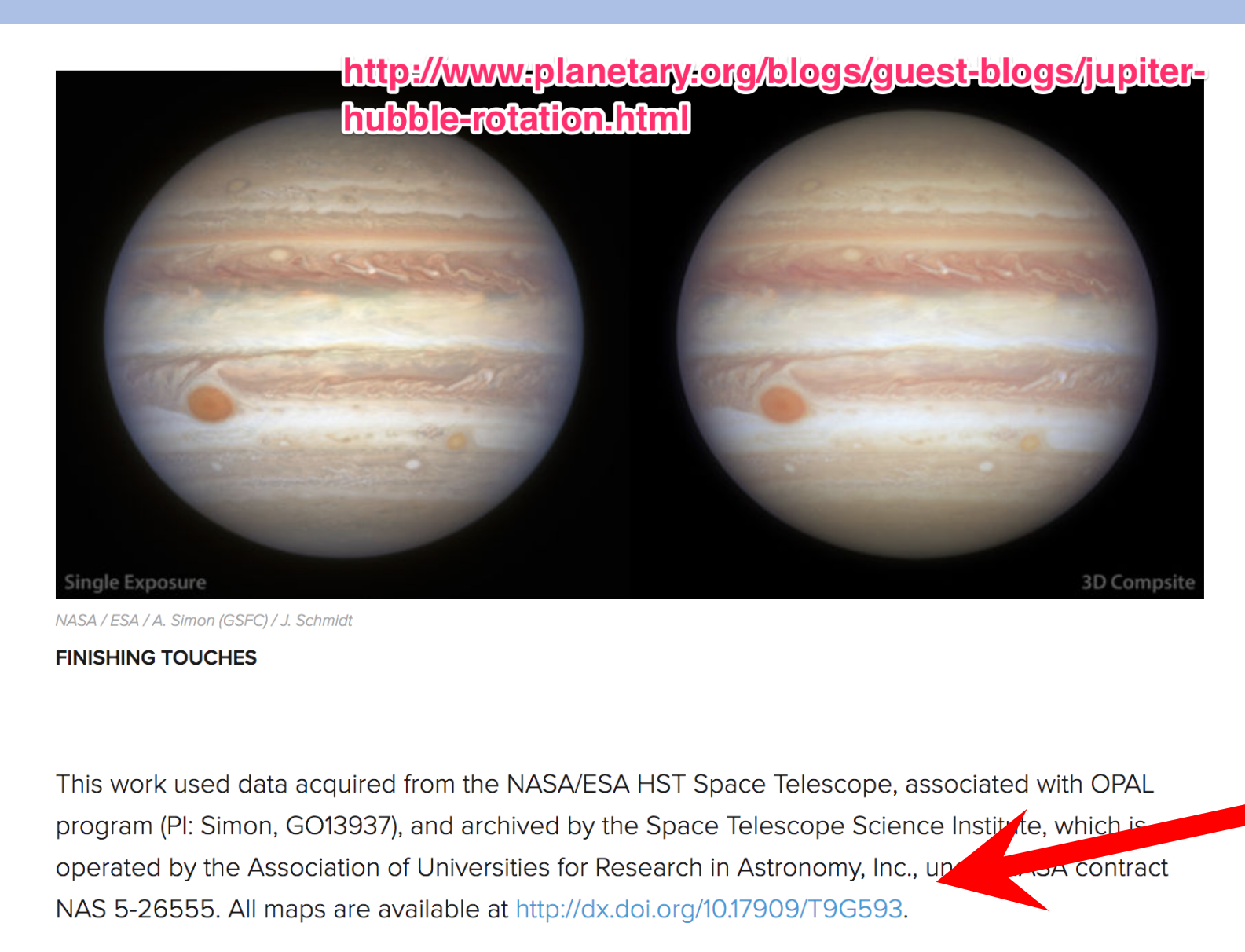
- Since 2016 MAST users have created 415 DOIs: 138 in Data Portal (<https://mast.stsci.edu/doi/>), 179 HLSP, 98 other dataset.

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



### 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 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.



DOIs in the wild!

