# 5.0 - Ways To Search And Interact With TESS Data At MAST

| Cloud Access | API / astroquery | Python Notebooks | TESSCut | Portal | Bulk Downloads | exo.MAST |
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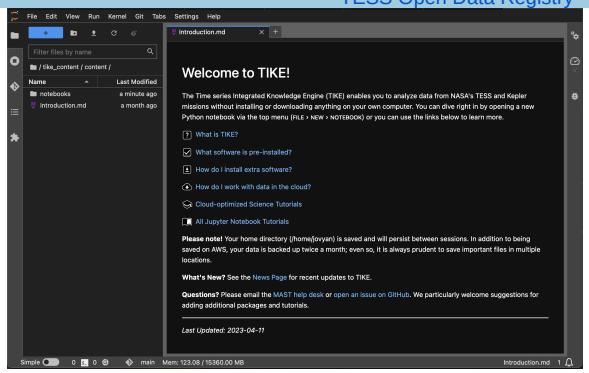
## Cloud Access

TIKE: Our Cloud Science Platform

TESS Open Data Registry

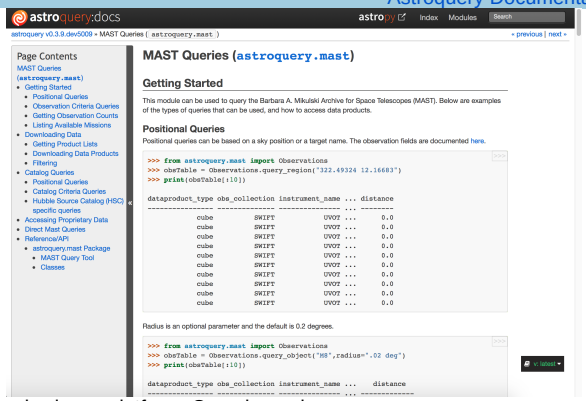



- Access TESS data directly in the AWS cloud using TIKE, our free cloud science platform. Once logged on, you'll be able to analyze TESS data in your browser window, thanks to a Jupyter Lab interface.
- Calibrated and uncalibrated full-frame images, two-minute cadence target pixel and light curve files, co-trending basis vectors, and FFI cubes are available in the cloud.

## API / astroquery

General API Documentation

Astroquery Documentation




- Search for, and retrieve, TESS data products programmatically bas
- Interact with observational data, TIC, and CTL catalogs in program

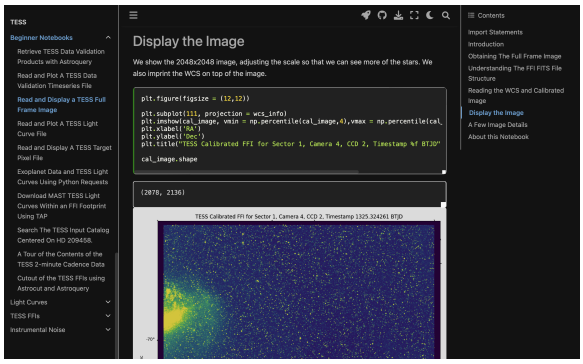
## Python Notebooks

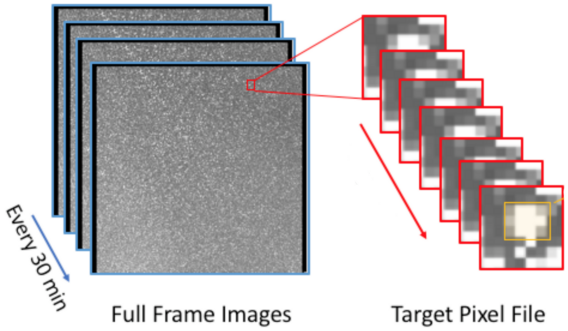
MAST Notebook Repository

## TESSCut

TESSCut Web UI

TESSCut Astroquery Documentation



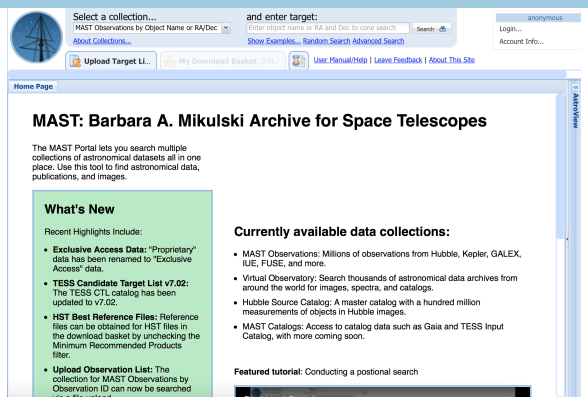




- Python Notebooks that show how to open and use TESS data products, search for target information at MAST, and retrieve data products after a search.
- You can download the repository or view the executed and rendered Notebooks.

- Create time series pixel cutouts from the TESS full frame images.
- Find out what sectors/cameras/detectors a target was observed in.

## Portal

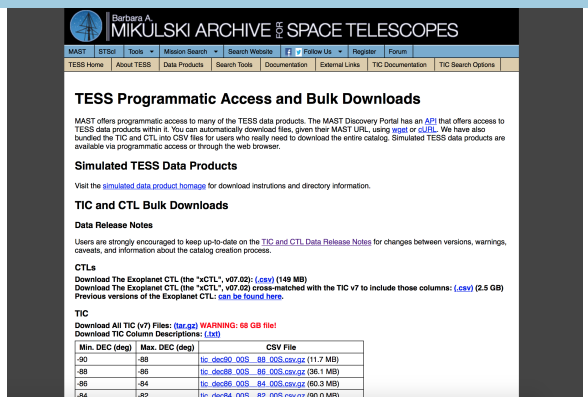
MAST Portal




- Download light curves, target pixel, and data validation files for a few targets.
- Download full frame images for a few CCDs.
- Conduct small searches within the TIC or CTL.
- Find data from other missions for your target.

## Bulk Downloads

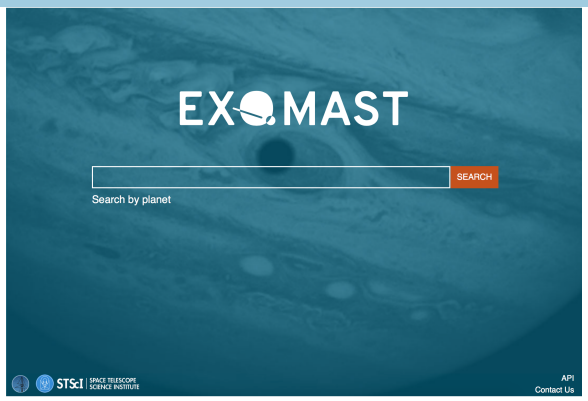
List of Bulk TESS Downloads




- Download all light curves / target pixel files for a given sector.
- Download all light curves / target pixel files for a given GI program.
- Download all full frame images for a given sector.
- Download the entire TCE table.
- Download versions of the TIC and CTL.

# exo.MAST

exo.MAST Portal




- Find MAST data (including TESS) for known planets or TCE's, matched to orbital phase.
- Plot sector-stitched DV light curves.
- Access to exoplanet parameters with references.
- Access Data Validation Reports for TESS TCEs.