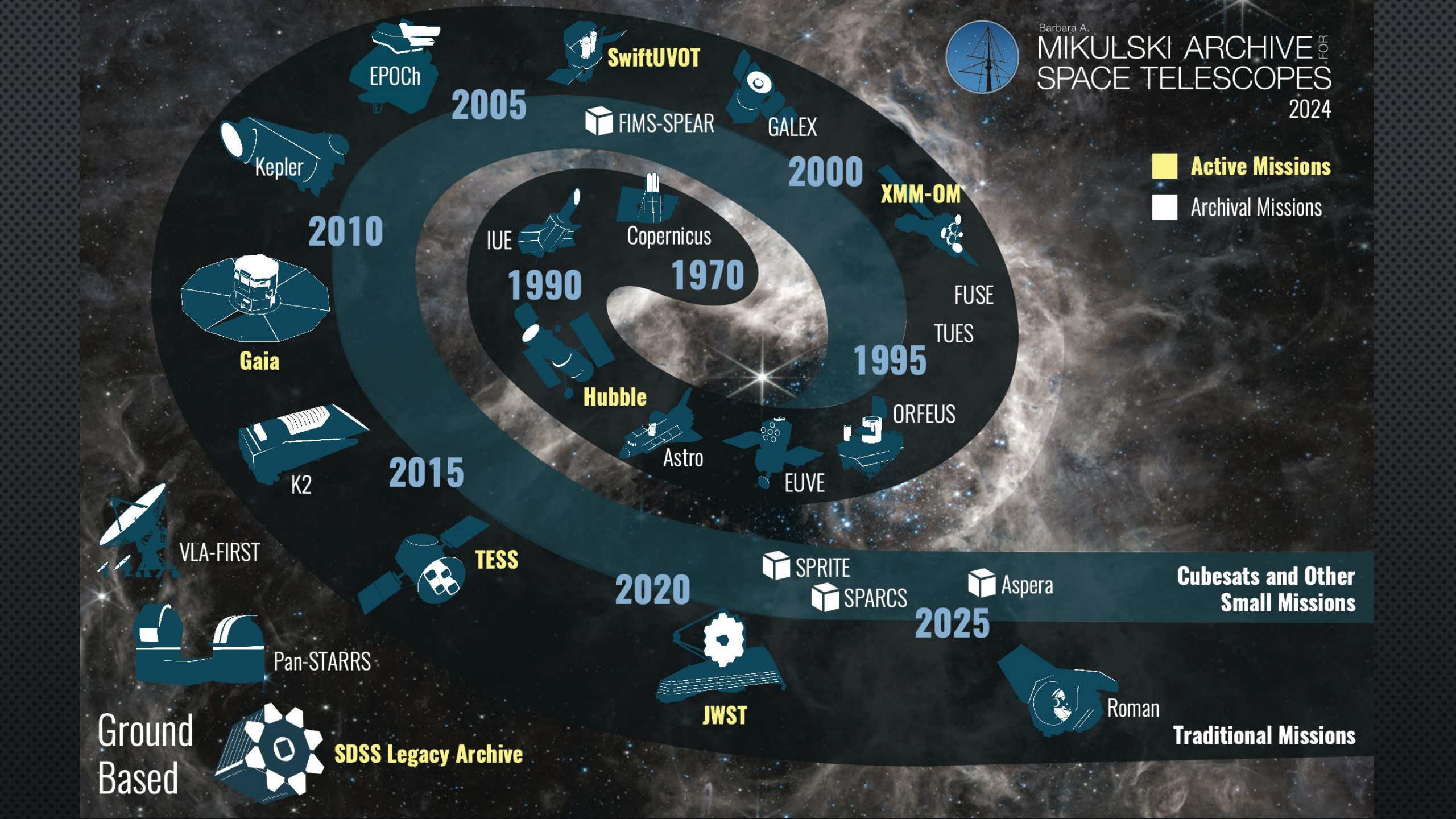
MIKULSKI ARCHIVE FOR SPACE TELESCOPES

THOMAS DUTKIEWICZ

ARCHIVIST


Barbara A. MIKULSKI ARCHIVE FOR SPACE TELESCOPES
2024
Active Missions
Archival Missions
2005
2000
1995
1990
1970
2010
2015
2020
2025
EPOCh
SwiftUVOT
FIMS-SPEAR
GALEX
Kepler
XMM-OM
IUE
Copernicus
FUSE
TUES
Gaia
Hubble
ORFEUS
Astro
EUVE
K2
VLA-FIRST
TESS
SPRITE
SPARCS
Aspera
Cubesats and Other Small Missions
Pan-STARRS
JWST
Roman
Traditional Missions
Ground Based
SDSS Legacy Archive

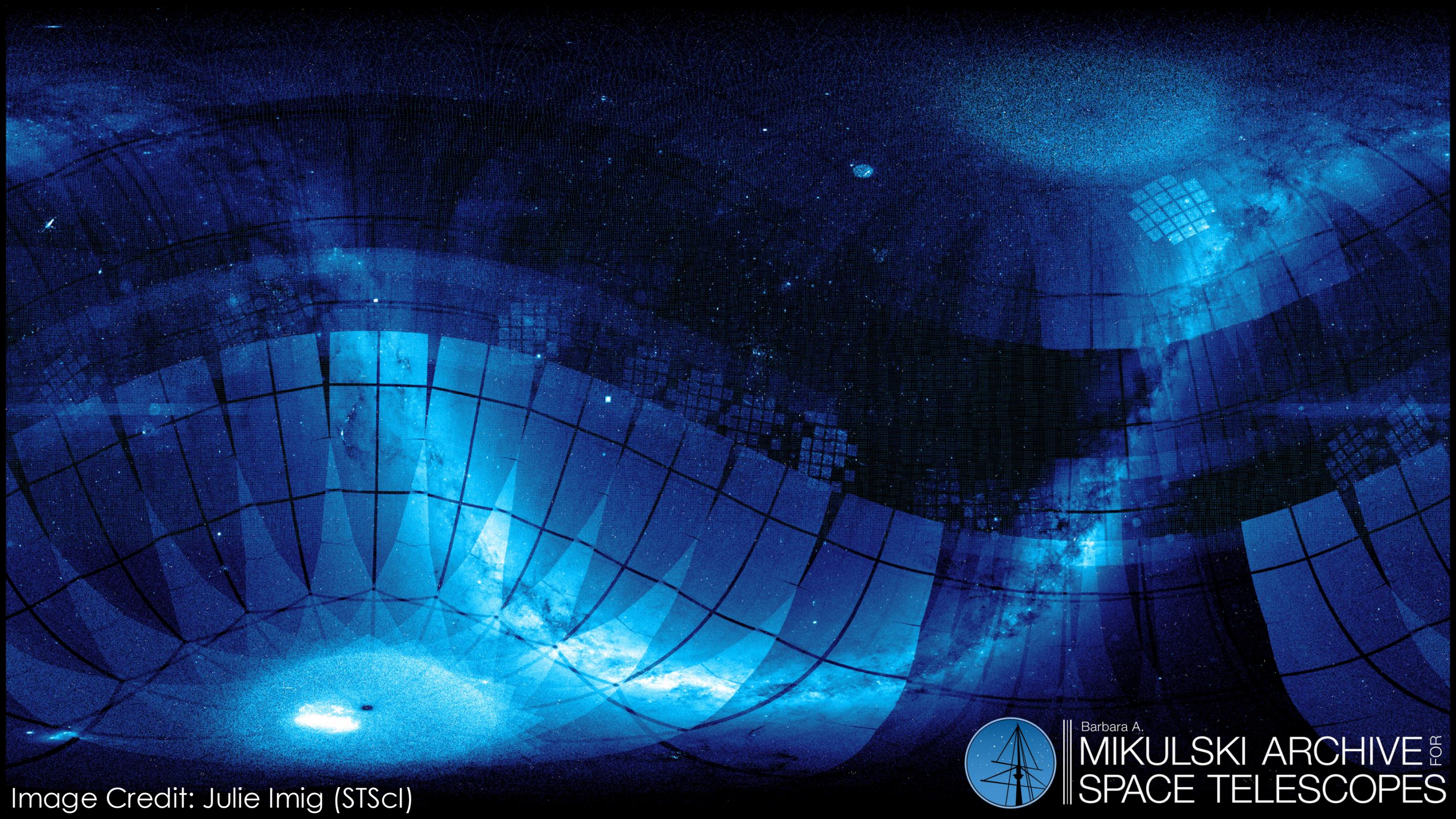


Image Credit: Julie Imig (STScI)

MAST Catalogs

catalogs.mast.stsci.edu

Exoplanet Atmosphere Observability Table

This table is intended for selecting targets when planning observations of exoplanet atmospheres through transmission and emission. The SNR values, based on observed star and planet parameters, provide guidelines for different wavebands and techniques to allow users to determine those exoplanets most amenable to atmospheric characterization. A copy of the EAOT research notes can be found here.

Search Conditions

Filter by Catalog | NExScI | Exoplanets.org | **TOI** | All

Filter by Conditions + Add condition

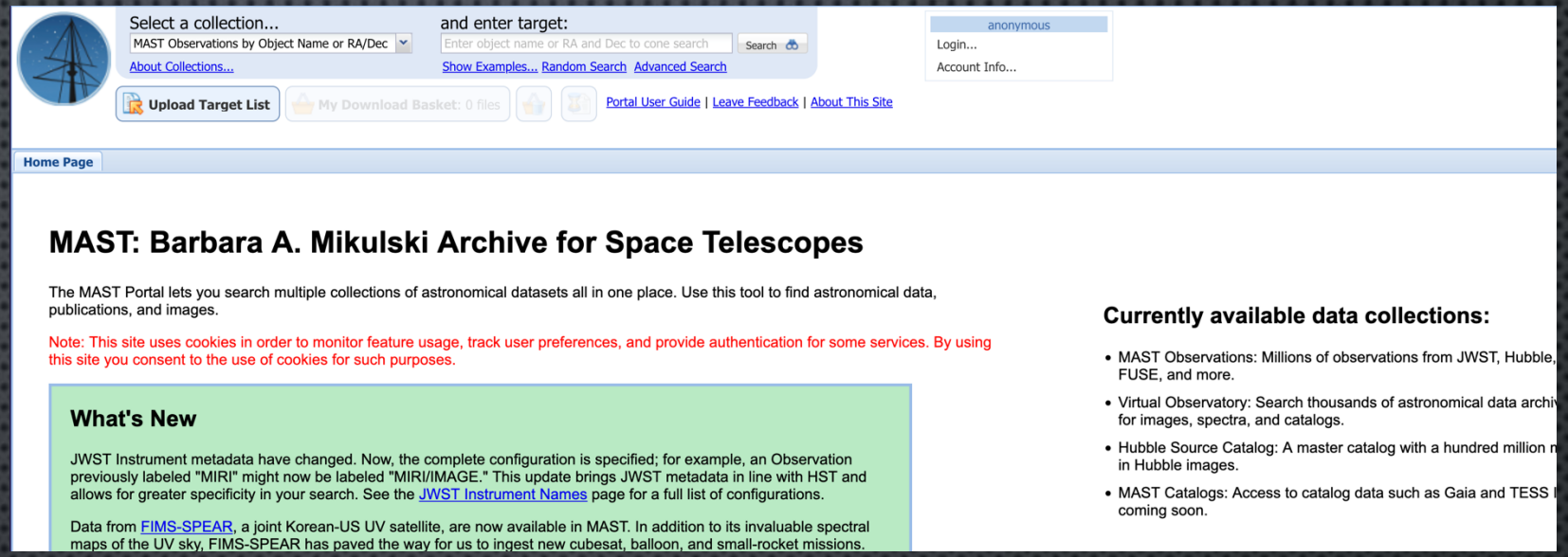
Transit Flag	equals	1	— Remove
Mp	is greater than	0	— Remove

SEARCH

Export

Planet Name	1.5 micron Emission SNR	5 micron Emission SNR	Kmag Transm. SNR	Rp	Mp	Tday	Teq	log(gp)	Period	Transit Duration	K Mag	Distance	Teff	log(gs)	Transit Flag
55 Cnc e	0.269	0.098	0.211	0.17	0.025139	2318	1949	3.348	0.7365	1.5439	4	12.59	5172	4.43	true
AU Mic b	0	0.059	0.462	0.35	0.063305	714	600	3.1	8.4631	3.4927	4.5	9.72	3678	4.404	true
AU Mic c	0	0.008	0.211	0.23	0.030205	547	460	3.17	18.8597	4.236	4.5	9.72	3678	4.404	true

MAST Portal (legacy)
mast.stsci.edu



MAST Search (new)
mast.stsci.edu/search

Live demo!

astroquery.mast

astroquery.mast readthedocs

MAST is a gathering place for astronomical research.
Thank you for being part of our community!

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