An Open Access, Open Source Stellar Database

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Tell us your favorite star and we will add it!

The Starchive is an open source, open access database and web app of stellar properties. Current samples include near stars, young stars, brown dwarfs and white dwarfs. Users will be able to upload new measurements and download csv, latex or text tables. All plots will be adaptable and suitable for publication. Newly uploaded datasets will be advertised on the main page and in a monthly newsletter to encourage contributions.

Questioning your life choices after it took you eight hours to make an HR diagram for a talk you are giving to your kid's ballet class?

Kicking yourself because you wasted 20 minutes of telescope time getting a vsini for a star and then finding that vsini in a publication?

Eyes crossed from combing through paper after paper to supplement your sample?

Pulling your hair out vetting target lists?

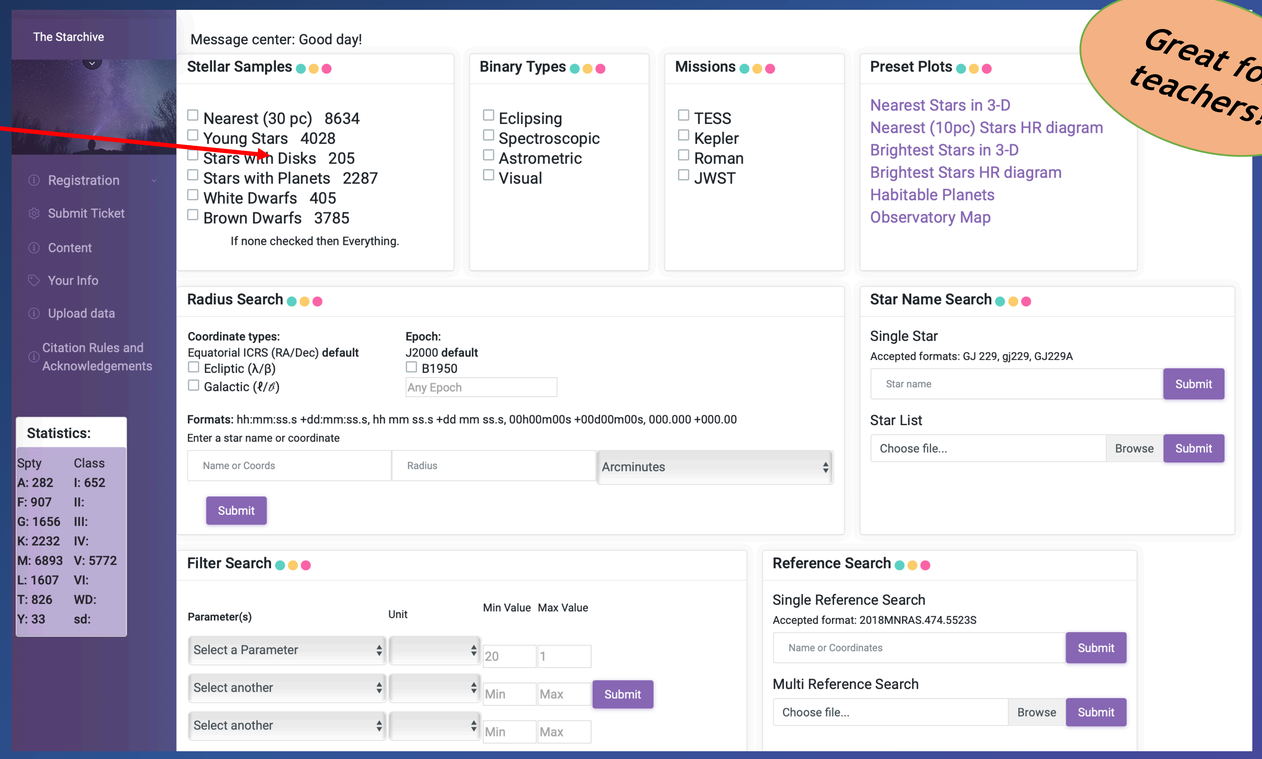
Never fear, the Starchive is here!

WHO IS IN THE STARCHIVE?

(for now …)

WHAT IS IN THE STARCHIVE?

- Photometry
- Radial velocities
- RA/Dec
- Proper Motion & Parallax
- Vsini and/or Prot
- Metallicity
- Activity (R_{HK}, S)
- Infrared Excess
- Multiplicity
- Stellar Radius
- Model Radius
- Age
- Distance
- Luminosity
- Mass
- Spectral Type
- Transit times
- Planet Orbits
- Insolation Zone
- Disk properties



Great for teachers!

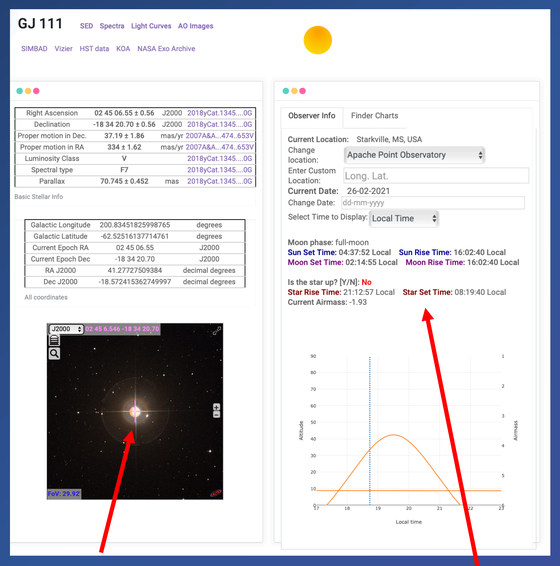
HOW DO I FIND THE STARS?

- ★ Single target search
- ★ Reference search
- ★ Batch mode search
- ★ Parameter range/filter search
- ★ Radius search
- ★ API

HOW DO I PLAY WITH THE DATA?

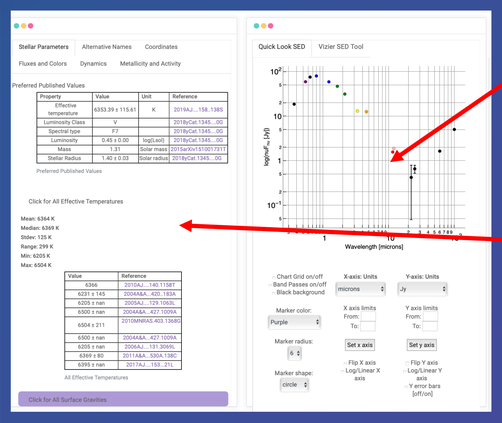
- ★ Download Excel/CSV
- ★ Download Text table
- ★ Download tarballs of selected spectra, images or time series
- ★ Versatile, publication quality plotting tools
- ★ Live image viewers including Aladin lite and js9

RESULTS PAGE FOR A **SINGLE** STAR QUERY



Aladin lite widget

If available, this page also has spectra, light curves and high contrast images



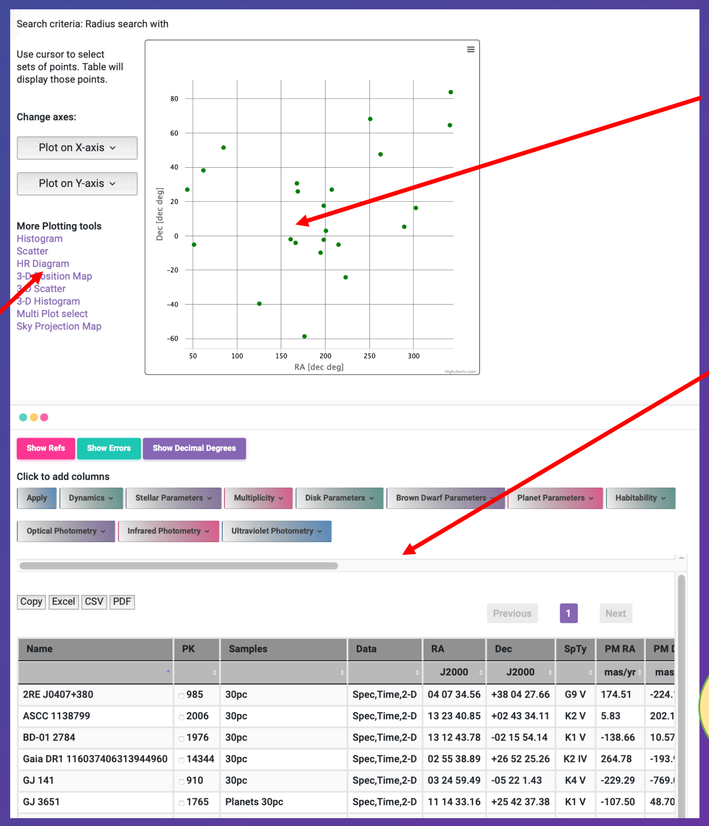
Adaptive SED

Tabs of stellar, disk and planet parameters

Hierarchy tree for multiple systems!

Adjustable airmass plot and rotatable finder charts

RESULTS PAGE FOR A **MULTI** STAR QUERY



Additional adaptive plotting tools

Quicklook active plot based on search parameters

Sortable table with adaptive columns and downloading options

Comments? Requests? Wanna help?

contact: angelle.tanner@gmail.com

Testimonials *

"It's pretty" – UCSD grad student

"Without the Starchive, my degree would have taken 10 years to complete instead of just seven" – ASU PhD now working at Starbucks

"Thanks to the Starchive, my advisor looks up when I show them a new plot!" – Ohio State 2nd year

"The Starchive helped me get tenure!" – MSU associate professor

* Testimonials totally made up