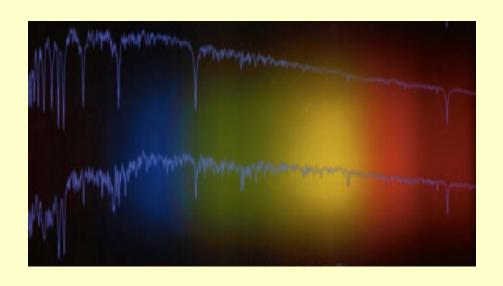
Spectral Classes Tool

Or: do you like "like-stars"?

(Found under "Tools" menu, MAST homepage)



- Myron Smith
- Randy Thompson

Consulting:

- Richard Gray
- Chris Corbally

Goal: address this request

"Give me a list of MAST-observed stars and their logged attributes with a common spectral type (range)."

To solve there are issues:

- 1. Agreed upon spectral types
- o What are they?
- o Where do we get them?
- o If more than one is available, which do we use?

Goal: address this request

"Give me a list of MAST-observed stars and their logged attributes with a common spectral type (range)."

To solve there are issues:

- 1. Agreed upon spectral types
- What are they?
 Consultants give us modern complete list of types.
- Where do we get them?
 Skiff, Sky2000, Simbad catalogs.
- o If more than one is available, which do we use? The most recent (....sigh!). (Should we instead use "community investigator clouds"?

(Issues...)

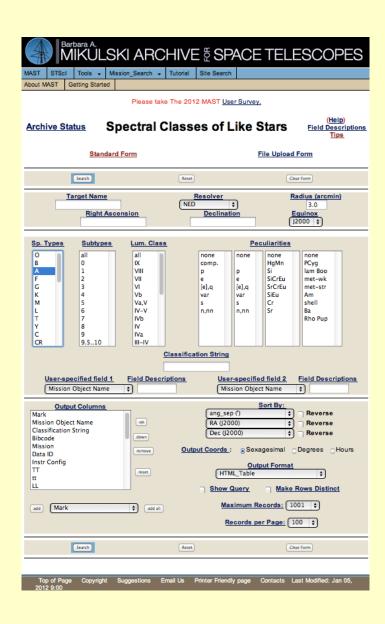
2. Array of spectral peculiarities for a given type

Solution:

- two in common for all types (e.g. composite, p, e, n, ...)
- two for an individual spectral type
- e.g. for A stars: m, lam Boo, shell

Our solution is this search form.

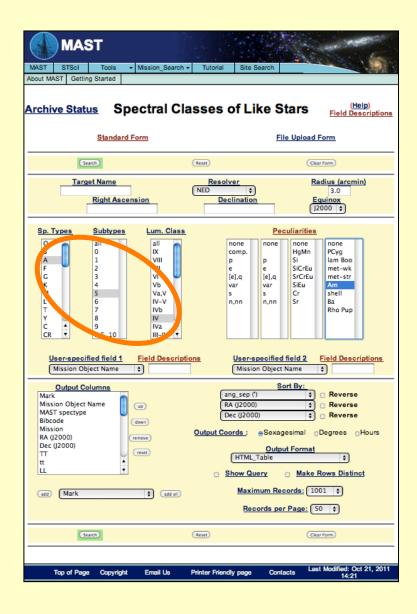
Look under Tools in the MAST home page, upper menu.



Here's an example:

"Show me a list of all A5IVm stars with MAST spectra."

> You can also filter this to show "unique observations."



Results page for "Show me a list of all A5IVm stars with MAST spectra."

