The SIMPLE Archive

http://simple-bd-archive.org/

A collaboratively-curated database and website of low mass stars, brown dwarfs, and exoplanets

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The SIMPLE Archive project — the Substellar and IMaged PLanet Explorer Archive of Complex Objects — is an endeavor to create a collaboratively maintained database of low-mass stars, brown dwarfs, and directly-imaged planetary mass objects using GitHub, Python, and SQL.

Holdings

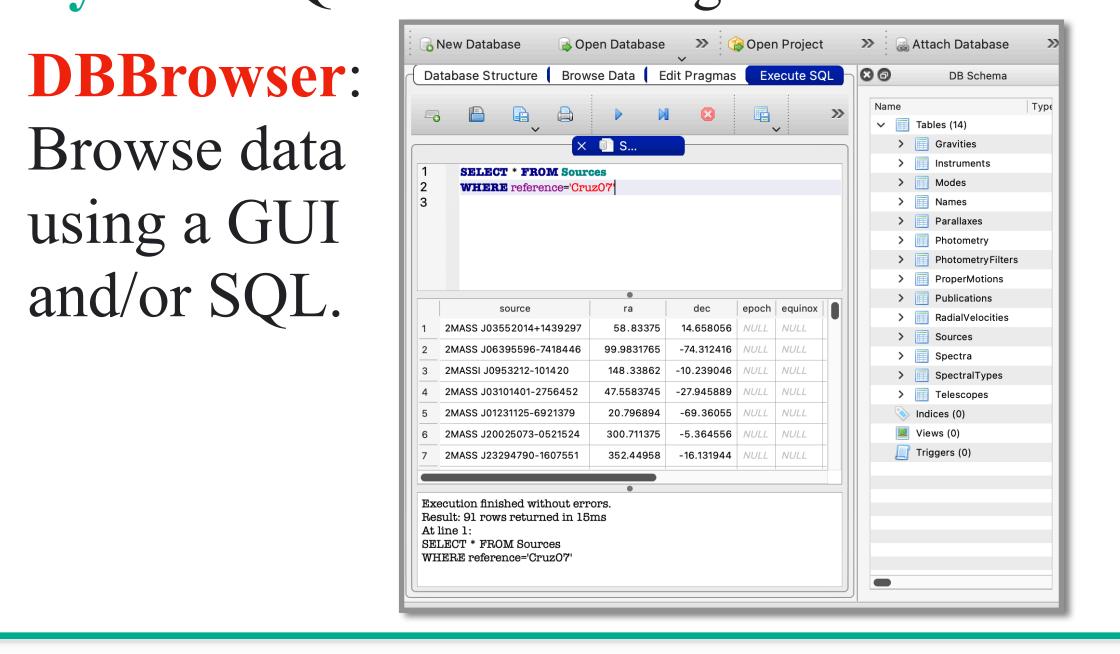
The SIMPLE Archive currently contains over 3,000 sources, including directly imaged planets and UCDs with spectral types M7 and later.

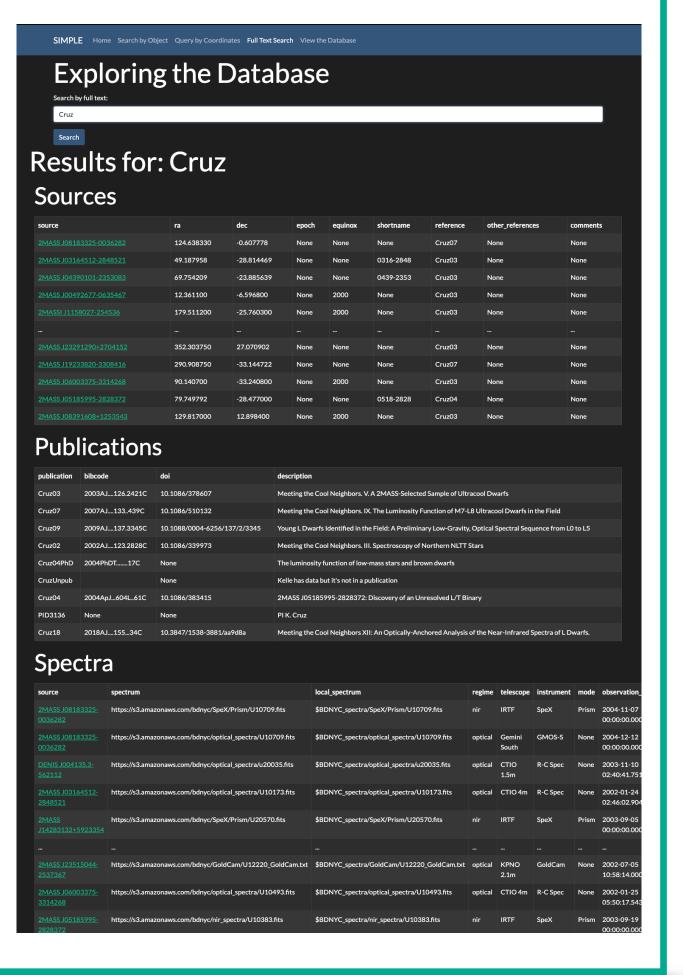
For these 3,000 sources, it contains:

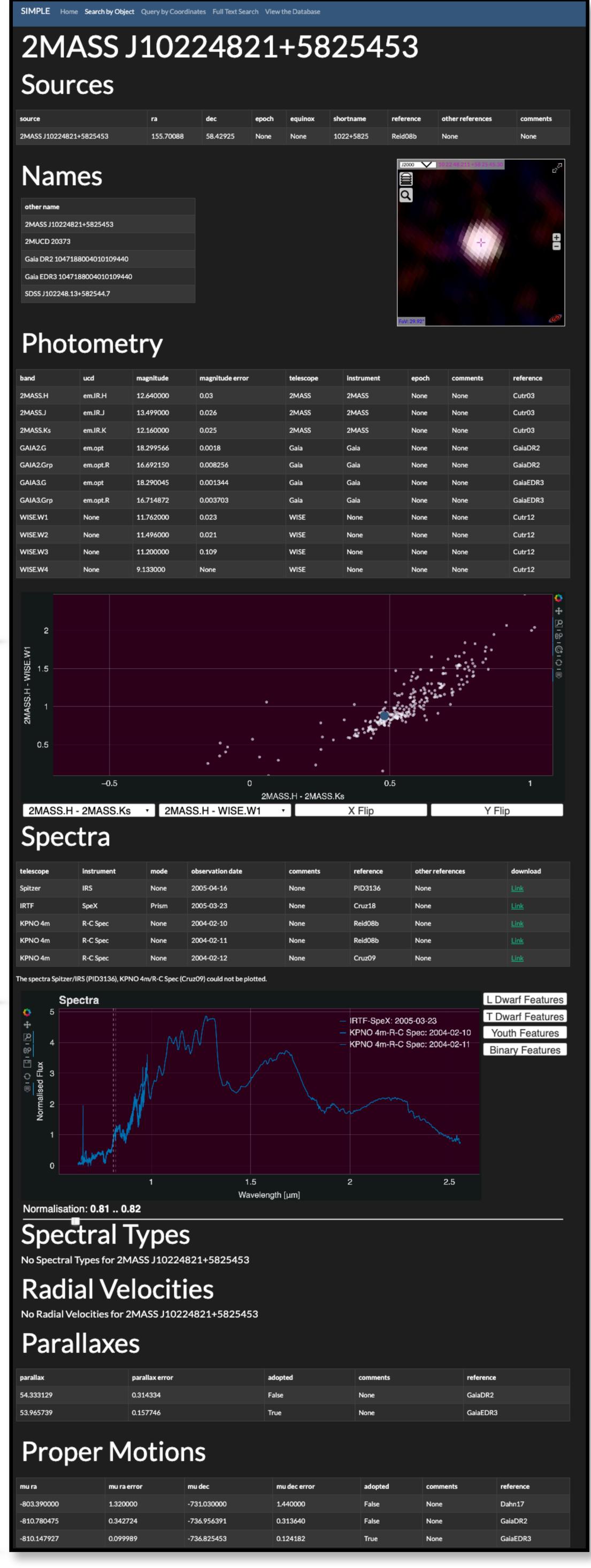
- 11,638 photometry measurements
- 4,897 proper motion measurements
- 2,628 parallax measurements
- 1,404 spectra

Explore and Search

- Website: search by object name, coordinates, or full text.
- Python: SQL searches using astrodbkit2.
- Browse data using a GUI and/or SQL.







Contribute

The vision for SIMPLE is that anyone can contribute data using a typical GitHub workflow. The chart below illustrates the workflow from inserting new data to a local database instance via Python, review of database modifications in GitHub, and then publishing them to the website. Please join the #simple-db-dev channel in the Astropy Slack workspace for data contribution and development discussion.

