

ASTRONOMICAL DATABASES AND PUBLICATION RESOURCES

Open Data Access:

- [SIMBAD](#): catalog of objects in the night sky, with useful metadata.
- [NASA/IPAC InfraRed Science Archive \(IRSA\)](#): Access to infrared data products: WISE, 2MASS, galactic dust maps.
- [NASA/IPAC Extragalactic Database](#): database of extragalactic objects including redshifts, spectra.
- [Mikulski Archive for Space Telescopes \(MAST\)](#): Space telescope data access, including some ground-based missions.
- [SDSS SkyServer](#): astronomical imaging viewer and SDSS data access.
- [DESI legacy imaging surveys](#): deep imaging of most of the sky.
- [Pan-STARRS image cutout server](#): imaging data across the whole sky $\delta > -30^\circ$.
- [Gaia Archive](#)
- [VizieR](#): Online catalogs, and open data from publications.
- [Strasbourg astronomical Data Center](#): Online catalogs, and open data from publications.
- [Keck Observatory Data Archive](#).

Open Code and Software Repositories

- [GitHub](#): (mostly) public-access software and data releases.
- [Zenodo](#): place for citable published software and data.

Publications:

- [NASA Astrophysics Data System \(ADS\)](#). Main center for literature searches.
- [arXiv](#): Daily compilation of new papers in [astrophysics](#) (and physics, math, comp sci, stats, etc).
- [Benty Fields](#): arXiv compilation with tools for journal club tools and recommendation algorithm.
- [Pathfinder](#): Large language model tool for literature searches.
- [Annual Reviews of Astronomy & Astrophysics](#): Long review articles for different subfields.
- [Astrobites](#): accessible reviews of the astrophysics literature.

Jobs:

- [AAS Job Register](#)
- [NSF REU list](#)
- [Akamai Internship Program](#)
- [University of Hawai'i UROP Program](#)
- [Space Grant](#)
- [IfA REU](#)
- [AURA Jobs Board](#)