

WEBSITES FOR DEEP-SKY DATA AND DOCUMENTS

For extra-galactic object information visit “NED”, the NASA Extragalactic Database, at <http://nedwww.ipac.caltech.edu/> .

Also helpful: NASA Astronomical Data Center (ADC), at <http://adc.gsfc.nasa.gov/>

For inter- and extra-galactic deep-sky objects, and for catalogs try: Centre de Données Strasbourg (CDS), at <http://cdsweb.u-strasbg.fr/cats/Cats.htm> .

<http://vizier.u-strasbg.fr/cgi-bin/VizieR> .

<http://leda.univ-lyon1.fr/search.html> .

You have two main options—

1. Query the website facility individually for specific objects of interest. What you get is a customizable, fairly easily understood array of available data fields characterizing your entry. If stymied—there are usually very good help links to explain each parameter.

2. Follow the FTP address link provided, often near webpage tops, to call up or download entire databases for future reference. Select all associated files; they're essential to understanding that object class, and the “machine readable” columns of data. I paste in the source webpage address at the top of the everpresent ReadMe file, to ease retracing steps. If unfamiliar terms remain, perform a web search for explanatory websites. By the way, it may be possible for you to import your new databases into an astronomy program for charting!

Some online documentation—

At the CDS site are references to other available, related documents. You can search by title, author, keywords, or known document #.

Planetary Nebulae:

Strasbourg-ESO Catalogue of Galactic Planetary Nebulae, Acker et al., 1992.

- *Catalogue of Galactic Planetary Nebulae*, Perek, L., and L. Kohoutek.

Diffuse Nebulae:

- *Catalog of Reflection Nebulae*, van den Bergh, 1966. At ADC as catalog #7021.

- *Catalog of Bright Diffuse Galactic Nebulae*, Cederblad S., CDS file #VII/231.

- *Catalogue of HII Regions*, Sharpless S., CDS #VII/20.

Open Clusters:

- *New Catalog of Optically Visible Open Clusters and Candidates*, Diaz W.S., et al., <ftp://cdsarc.u-strasbg.fr/cats/VII/229>.

- *Lund Catalogue of Open Cluster Data*, Fifth edition, G. Lynga, 1987, CDS #VII/92.

- *Star Clusters/Associations. III Open Clusters*, Ruprecht et al., CDS #VII/101A.

Globular Clusters:

- *Catalogue of Star Clusters & Associations II. Globular Clusters*, Ruprecht et al.

- CDS files #VII/103, #VII/44B.

- *Catalog of Parameters for Milky Way Globular Clusters*, Harris, W.E. <http://www.physics.mcmaster.ca/resources/globular.html>

- *Structure Parameters of Galactic Globular Clusters*, Webbink, R.F., (from IAU Symp. 113: "Dynamics of Star Clusters", Ed. J. Goedman & P. Hut, CDS file #VII/151.

Galaxies:

- *Catalogue of Southern Peculiar Galaxies and Associations, Vol. I. Positions and Descriptions*, Arp H.C., Madore B.F., <ftp://cdsarc.u-strasbg.fr/pub/cats/VII/170>.

- *Third Reference Catalogue of Bright Galaxies*, de Vaucouleurs, G., A. and H. et al., CDS #VII/155.

- *Paturel, G., et al. Catalogue of Principal Galaxies*. LEDA. 2000.

- *Southern Galaxy Catalogue (SGC)*, Corwin, H.G., de Vaucouleurs, A., de Vaucouleurs, G., CDS #VII/116.

- *Atlas of Peculiar Galaxies*, Arp, Halton, C.

- *Atlas and Catalogue of Interacting Galaxies*, Part I, Vorontsov-Velyaminov, B. A., Part II.

- *Morphological Catalogue of Galaxies*, Vol. I-IV, Vorontsov-Velyaminov, B. A., et al.

- *Catalogue of Galaxies and of Clusters of Galaxies (CGCG)*, Vol. 1-6, Zwicky, F., et al.

- *Catalogue of Selected Compact Galaxies and of Post-Eruptive Galaxies*, Zwicky, F., et al.

- *Eighth List of Compact Galaxies*, Zwicky, F., et al.

Galaxy Clusters:

- *A Catalogue of Rich Clusters of Galaxies*, Abell G.O., et al., CDS #VII/110A.

- *A Catalog of Morphological Properties of the 2712 Abell Clusters*, Struble M.F., et al., CDS #VII/96.

- *Data on 1889 Abell's Rich Clusters of Galaxies*, Leir A.A., et al., CDS #VII/87A.

- *Catalogue of Abell and Zwicky Clusters of Galaxies*, Abell G.O., Corwin H.G., CDS #VII/4A.

- *Edinburgh-Durham Southern Galaxy Catalogue IV. The cluster catalog*, Lumsden S.L., et al., CDS #VII/175.