

Data bases for Astronomers

Reference searches:

ADS http://adsabs.harvard.edu/abstract_service.html

Astroph <http://xxx.soton.ac.uk/list/astro-ph/new>

Astronomical object databases

SIMBAD <http://cdsw eb.u-strasbg.fr/Simbad.html>

NED <http://nedwww.ipac.caltech.edu/>

Optical imaging data

DSS – STScI DSS http://stdu stsci.edu/cgi-bin/dss_form

Long Term Optical photometry

MACHO <http://www.macho.mcmaster.ca/Data/MachoData.html>

OGLE <http://bulge.princeton.edu/~ogle/>

IR imaging

IRAS <http://irsa.ipac.caltech.edu/IRASdocs/iras.html>

2MASS <http://www.ipac.caltech.edu/2mass/index.html>

IR Photometry

CID <http://ircatalog.gsfc.nasa.gov/>

UV data

IUE <http://iuearc.wilspa.esa.es/>

X-ray and Gamma-ray data

HEASARC <http://heasarc.gsfc.nasa.gov/>

ROSAT <http://www.xray.mpe.mpg.de/cgi-bin/rosat/src-browser>

RXTE/ASM http://xte.mit.edu/ASM_1c.html

XMM http://xmm.wilspa.esa.es/external/xmm_data_acc/index.shtml

Chandra <http://cxc.harvard.edu/cda/>

BATSE/CGRO <http://f64.nsstc.nasa.gov/batse/pulsar/>

INTEGRAL and SWIFT : to come in the future

Radio

VLA FIRST survey <http://sundog.stsci.edu>

DRAGN : Atlas of AGN <http://www.jpm.an.ac.uk/atlas/>

DETAILED EXAMPLES... ..

Reference searches :

ADS - simple author search, select "All refereed journals" to get only referenced papers, first author search, multiple author search, get reference list, get citations

Astroph - new , email subscriptions, index search

Astronomical object databases

SIMBAD - query by identifier eg "sm c x-1", aladin previewer

NED - object name "m 51", select line "Retrieve 2MASS... "
Full image, then go back and select "Phot" to show SED

Optical imaging data

DSS - 01 06 19, -72 06 30, GIF, POSS2 red, 10 x 10, view

Long Term Optical photometry

MACHO lightcurve download, eg "212.15960.12"

OGLE Sky coverage (near bottom of page), OGLE III fields

IR imaging

IRAS - IRAS images M 31, size 1

2MASS - All-Sky data release, Access the catalog (slightly down page), Catalog query (Gator), tick first item and Select, enter email address "10 arcsec" "05h38m 54.5s +26d18m 57s" scroll to bottom and Run Query, View Table

IR Photometry

CID - Access the catalog, access the catalog by source name, go to atlas, select "P", find "X Per" and click on it

UV data

IUE - access to the INES data server, object ID "A 0535+26", Plot first two on list

X-ray and ~~ray~~ data

HEASARC - at the bottom of page use "favourite object" selector eg "1A 0535+26"

ROSAT - select "default" values, then Submit Task, Plot Sources

RXTE/ASM - select "exo2030+375", scroll down and Retrieve power spectrum with values of "0" and "0.005"

XMM - Select the XMM Newton Science Archive, start XSA, enter object "SM C X -1", display image

Chandra - select WebChaser/Ledas, enter "sm c", resolve name, set search radius to "60", search, select #3

BATSE - select "pulse profiles", then go back and select "XTE/BATSE..." , then "Cen X -3" yellow diamond symbol

INTEGRAL and SWIFT : to come in the future

Radio

VLA FIRST - select Retrieve Image Cutouts, enter coords "15 02 47 +26 12 35", Equinox "B 1950", image size "8" arcmins, extract the Cutout.

DRAGN - select "Listing by icons", select 3C 310