

The Antennae and other Peculiar Galaxies

A tutorial on CDS tools and services

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CDS Portal



Screenshot of the CDS Portal interface showing results for target NGC 4039:

Object identifiers, measurements and bibliography for NGC 4039

- Object type: Galaxy in Pair of Galaxies
- Morphological type: Sc
- [More SIMBAD data for NGC 4039](#)
- [+ 1014 bibliographic references](#)
- [+ 359 objects within 2'](#)
- [Display map around NGC 4039](#)
- [Display SimPlay interactive map around NGC 4039](#)
- [+ Related objects in bibliography:](#)

Number of bibliographic references for NGC 4039 (Histogram from 1950 to 2011)

Images for NGC 4039

- [Display region in Aladin \(Web Start\)](#)

Aladin images table:

Survey	Band	λ (μm)	Size	Epoch	Resolution	Download
DENIS	I	0.79	12.5' x 12.4'	1996-03-30	0.9'' / pixel	FITS
DENIS	J	1.23	12.6' x 12.7'	1996-03-30	0.9'' / pixel	FITS
DENIS	K	2.16	12.6' x 12.7'	1996-03-30	0.9'' / pixel	FITS
2MASS	K	2.16	8.5' x 17.0'	1999-03-20	0.9'' / pixel	FITS
2MASS	H	1.65	8.5' x 17.0'	1999-03-20	0.9'' / pixel	FITS
2MASS	J	1.24	8.5' x 17.0'	1999-03-20	0.9'' / pixel	FITS
AAO	R	0.63	12.9' x 12.9'	1996-02-26	1.0'' / pixel	JPEG FITS
SERC	I	0.80	12.9' x 12.9'	1996-05-25	1.0'' / pixel	JPEG FITS

Display color image

Catalogues for NGC 4039

- [4 catalogues with 'NGC 4039' keyword](#)
- [146 catalogues around NGC 4039](#)

Vizier catalogues table:

Name	Description	Local density	Wavelength	Popularity	Coverage map
I/297 Query	NOMAD Catalog (Zacharias+ 2005) [ReadMe]	53	optical,IR	77	
J/A+A/443...	NGC 4038/4039 broad and /narrow band photometry (Mengel+, 2005) [ReadMe]	51	optical	27	
I/284 Query	The USNO-B1.0 Catalog (Monet+ 2003) [ReadMe]	51	optical	89	
I/305	The Guide Star Catalog, Version 2.3.2 (GSC2.3) (STScI, 2006) [ReadMe]	49	optical	74	



Identifiers

Basic Data

Bibliography

SIMBAD query result

Object query : NGC 4039 C.D.S. - SIMBAD4 rel 1.172 - 2011.03.02 CET 13:22:33

Available data : [Basic data](#) • [Identifiers](#) • [Plot & images](#) • [Bibliography](#) • [Measurements](#) • [External archives](#) • [Notes](#) • [Annotations](#)

Basic data :

NGC 4039 -- Galaxy in Pair of Galaxies

(query around) with radius arcmin

Other object types: [GiP](#) () , [G](#) (ESO,LEDA,MCG,SGC,UGCA,[M98c]) , [IG](#) (VV) , [PaG](#) (RR95) , [Rad](#) (WISH)

ICRS coord. (ep=J2000): [12 01 53.7 -18 53 08](#) (Optical) [---] D [1989ESOLV.C.....0L](#)

FK5 coord. (ep=J2000 eq=2000): [12 01 53.7 -18 53 08](#) (Optical) [---] D [1989ESOLV.C.....0L](#)

FK4 coord. (ep=B1950 eq=1950): [11 59 19.9 -18 36 26](#) (Optical) [---] D [1989ESOLV.C.....0L](#)

Gal coord. (ep=J2000): [286.9685 +42.4453](#) (Optical) [---] D [1989ESOLV.C.....0L](#)

Radial velocity / Redshift / cz: [V\(km/s\) 1637](#) [9] / [z\(-\) 0.005474](#) [0.000030] / [cz 1641.00](#) [9.00] (-) D [1989ESOLV.C.....0L](#)

Morphological type: [Sc](#) D [2004ApJ...602..231C](#)

Angular size (arcmin): [3.1 1.6 50](#) (-) (-) D [2007ApJS..173..185G](#)

Fluxes (2):
[B 11.08](#) [0.21] D [2007ApJS..173..185G](#)
[R 9.77](#) [-] D [1989ESOLV.C.....0L](#)

essential notes: • See GALEX UV data in [GALEX data](#) [01-Oct-2009].

Hierarchy : number of linked objects whatever the membership probability is (see description [here](#)) :

[parents](#) : 1 [children](#) : 1 [siblings](#) : 66 Display criteria : [All](#)

Identifiers (13) :

NGC 4039	LEDA 37969	SGC 115920-1836.4	[M98c] 115920.0-183624
ESO-LV 572-0471	MCG-03-31-015	UGCA 265	
ESO-LV 572-0480	RR95 207b	VV 245a	
ESO 572-48	RR95 206b	WISH B1159.3-1835B	

Plots and Images

radius arcmin

plot CDS portal CDS Simplay
requires flash Aladin applet

References (1014 between 1850 and 2011)

display reference summary



Catalogues

Vizier Search Page

http://viz-beta.u-strasbg.fr/viz-bin/VizieR-3

VizieR Search Page

CDSCentre de Données
ASTRONOMIQUES de STRASBOURG

SIMBAD Simbad VizieR Aladin Catalogs INFO IDC Biblio Tutorials Resources

VizieR (beta version)

Simple Target List Of Targets

Target Name (resolved by Simbad) or Position: Target dimension:
Clear NGC 4039 J2000 2 arcmin Radius or Box size

Arp's Peculiar Galaxies (Webb 1996)
Post annotation

Similar Catalogs ReadMe+ftp VII/192 list of Arp views with imaging data (338 rows)

Simple Constraint List Of Constraints

Query by Constraints applied on Columns (Output Order: + -)

Show Sort Column Constraint Explain (UCD)

recno Record number within the original table (starting from 1) (meta_record)

Arp Arp number from original catalog (meta_id;meta.main)

Name Common name (group or brightest) (Note) (meta.id)

RA2000 "h:m:s" Right Ascension 2000 (pos.eq.ra;meta.main)

DE2000 "d:m:s" Declination 2000 (pos.eq.dec;meta.main)

Size arcmin Long dimension of Arp's original photo (Note) (phys.angSize)

Orient [N,S,E,W,?] Orientation of Arp photo (Note) (meta.note)

fl_245 2.54cm (n) Focal length for CB245 CCD Camera (Note 1) (instr.tel.focalLength)

fl_ST6 2.54cm (n) Focal length for SBIG ST6 CCD Camera (Note 1) (instr.tel.focalLength)

fl_ST5 2.54cm (n) Focal length for SBIG ST5 CCD Camera (Note 1) (instr.tel.focalLength)

APG APG Values from the original Arp's catalog of Peculiar Galaxies (Arp 1966, Cat. VII/74) (meta.refurl)

Simbad Simbad ask the Simbad data-base about this object

NED NED ask the NED data-base about this object

(n) indicates a possible blank or NULL column

Adapt form Display your selection only Modify Reset to default columns Modify
Display UCD1+ UCD1

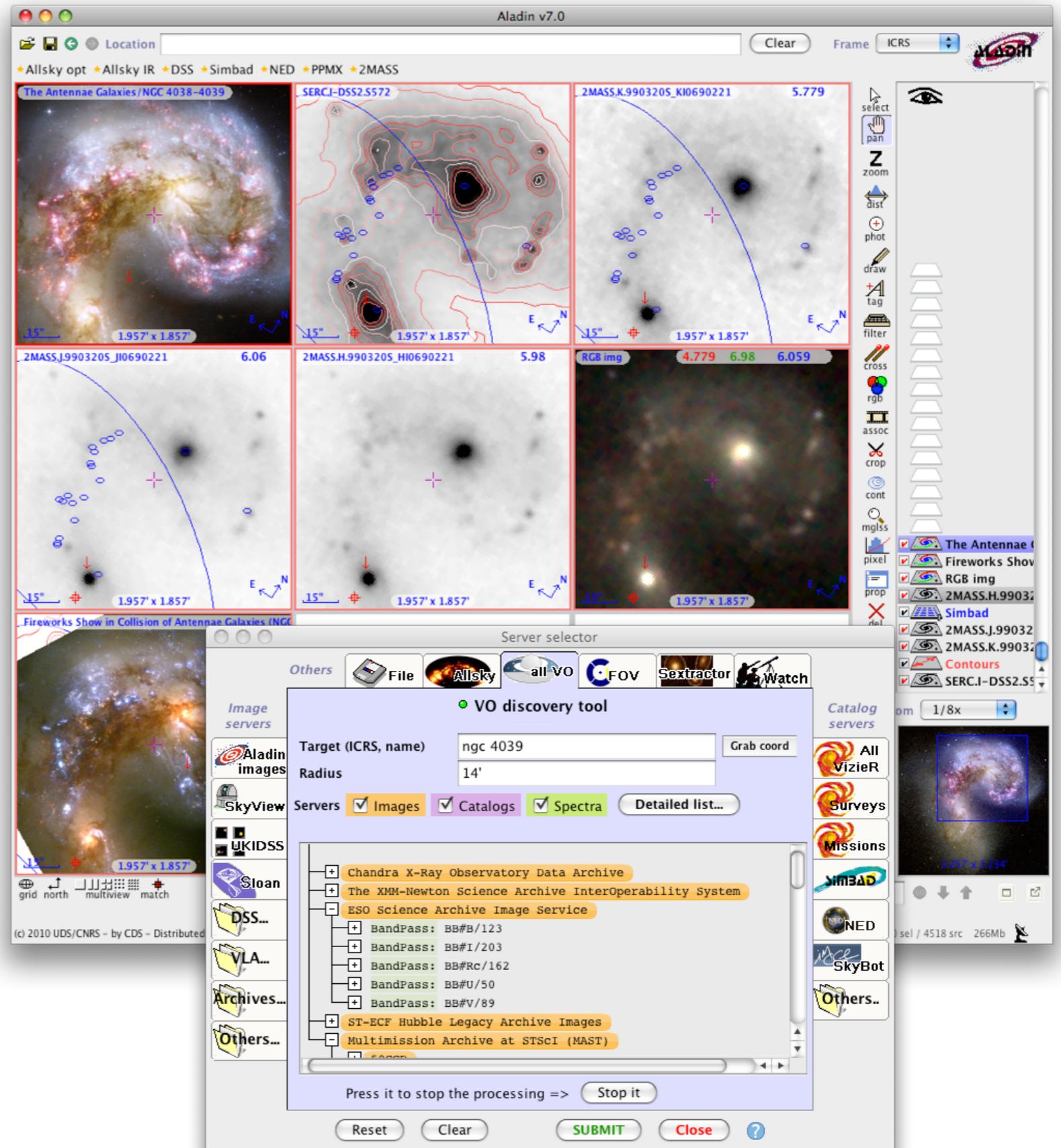
elapse time 0

©UDS/CNRS Contact:

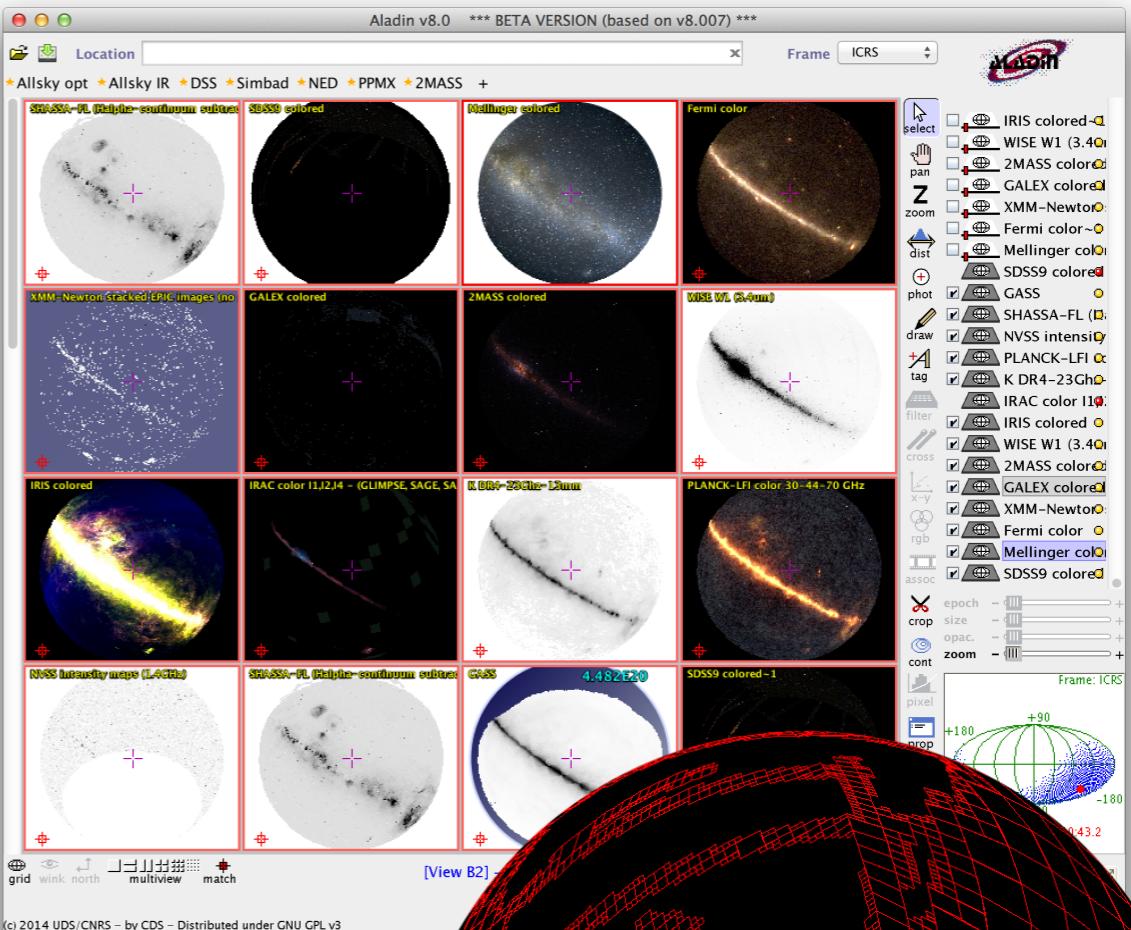
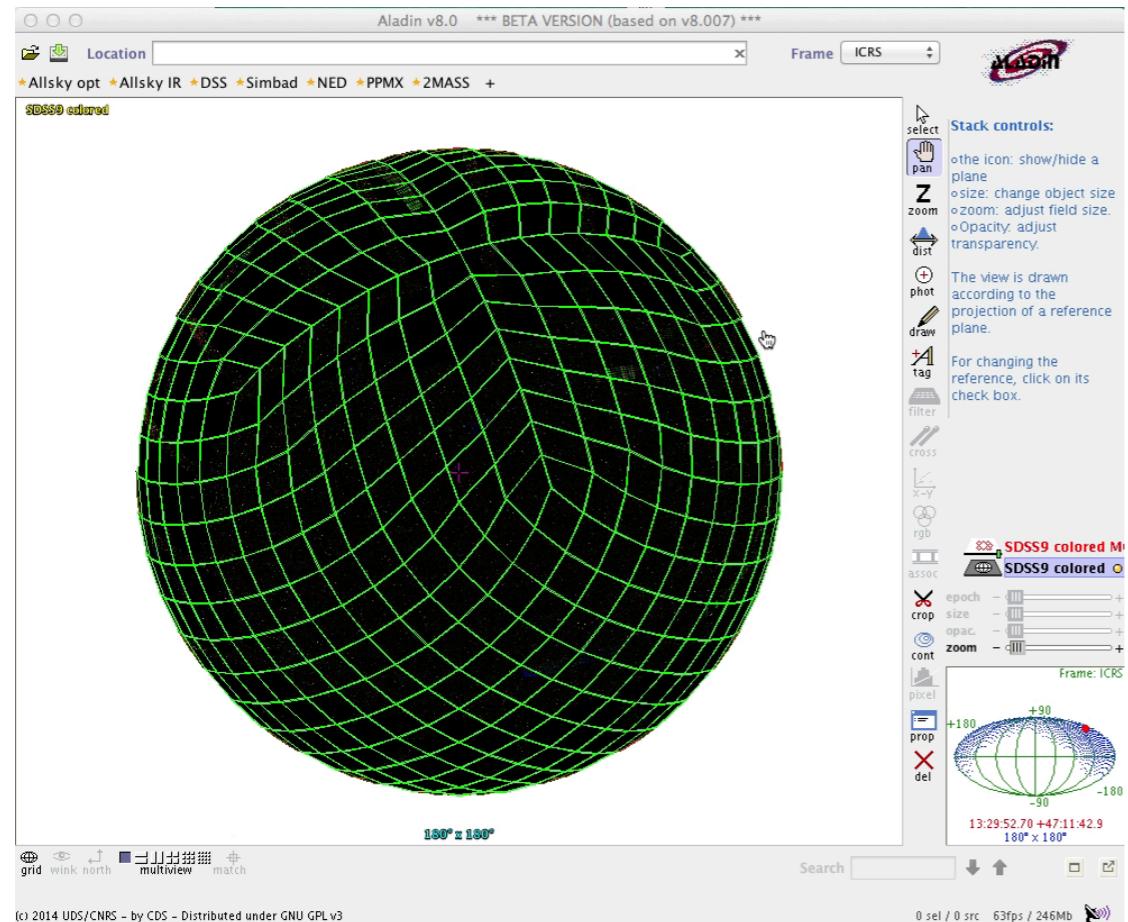
ALADIN

Interactive Sky Atlas

Images
Catalogues
VO Access
VO Interoperability
All Sky
Filtering
Scripting and more...

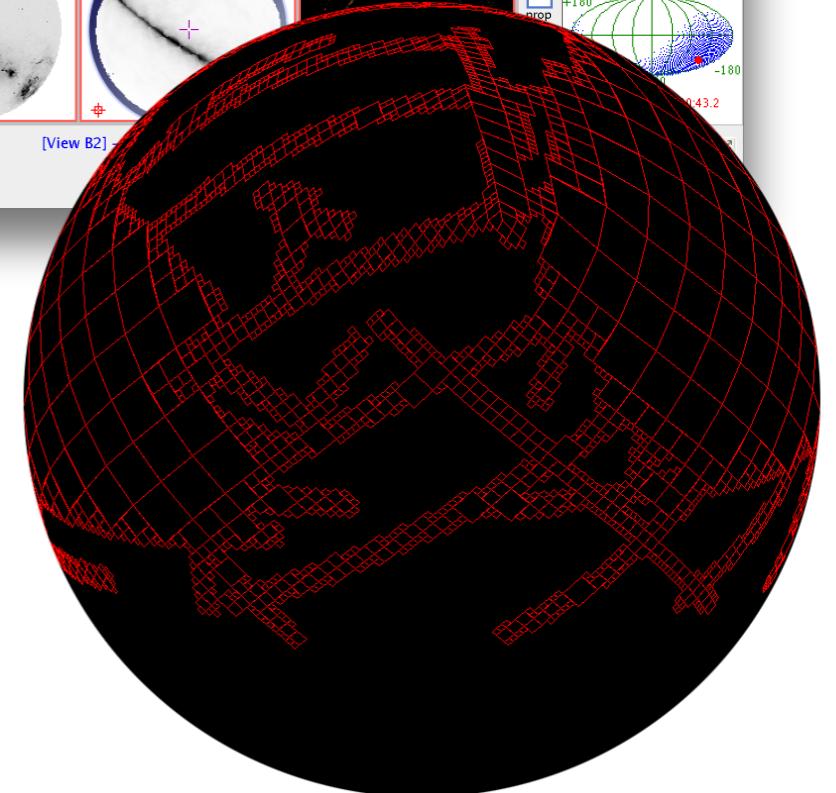


All-sky perspective

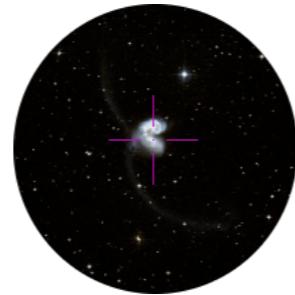


HiPS and MOC

Hierarchical Progressive Survey
Multi-Order Coverage maps

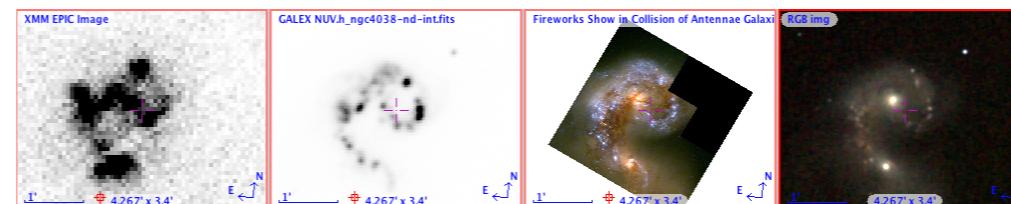


Single object search



Tutorial

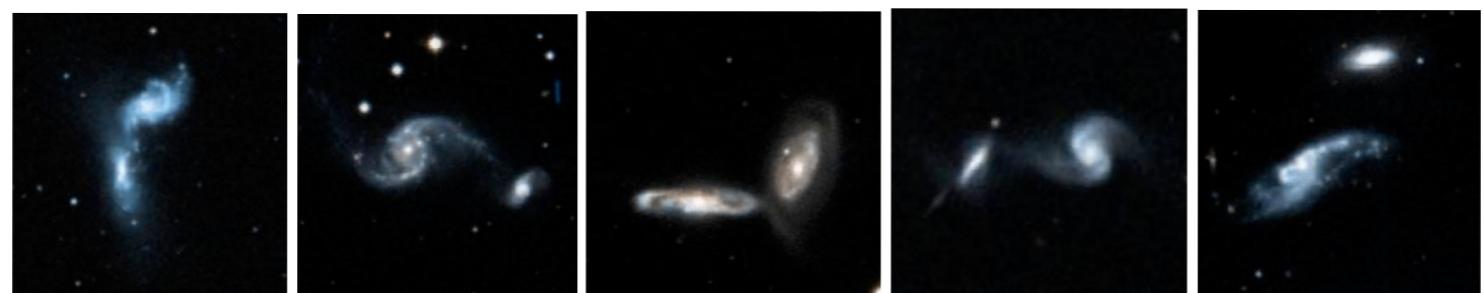
Find Multi- λ data



Use catalogues to select a sample

Full	RAJ2000	DEJ2000	Arp	Name	RA2000	DE2000	Size	Or
	deg	deg			"h:m:s"	"d:m:s"	arcmin	
1	141.158	+49.357	1	NGC 2857	09 24 38	+49 21.4	5.2 E	
2	244.075	+47.047	2	UGC 10310	16 16 18	+47 02.8	3.5 E	
3	339.143	-2.905	3	MCG-01-57-016	22 36 34	-02 54.3	5.2 N	
4	027.108	-12.382	4	MCG-02-05-50+A	01 48 26	-12 22.9	3.5 E	
5	171.103	+3.327	5	NGC 3664	11 24 25	+03 19.6	2.6 N	
6	123.310	+45.992	6	NGC 2537	08 13 14	+45 59.5	2.6 E	
7	132.573	-16.577	7	MCG-03-23-009	08 50 17	-16 34.6	2.6 N	
8	020.598	-0.875	8	NGC 0497	01 22 23	-00 52.5	3.5 S	
9	123.748	+73.580	9	NGC 2523	08 14 59	+73 34.8	3.5 E	
10	034.610	+5.653	10	UGC 01775	02 18 26	+05 39.2	2.6 E	
11	017.240	-14.227	11	UGC 00717	01 00 22	-14 22.7	4.7 W	

Extract data on sample from Surveys - via HiPS & MOC, and also scripts



```
#AJS
reset
grid on
"$ARP-$2_DSS" = get DSS.STScI(POSS2UKSTU_Red,15,15) $3
"$ARP-$2_Simbad" = get Simbad $3 5'
viz_logHST=get vizier(logHST) $3
viz_logESO=get vizier(logESO) $3
viz_logChandra=get vizier(logChandra) $3
sync
#export B/hst/hstlog /Users/allen/Desktop/Arp/Arp-$2_chart/Arp/Arp-$2_stack.aj
save /Users/allen/Desktop/Arp/Arp-$2_chart/Arp/Arp-$2_stack.aj
backup /Users/allen/Desktop/Arp/Arp-$2_stack.aj
```