

Australia's Optical Data Centre

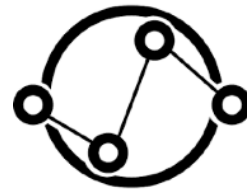
A Data Central and SkyMapper Collaboration





Explore

Tools for data retrieval and automatic cross-matching make for intuitive and easy data exploration.



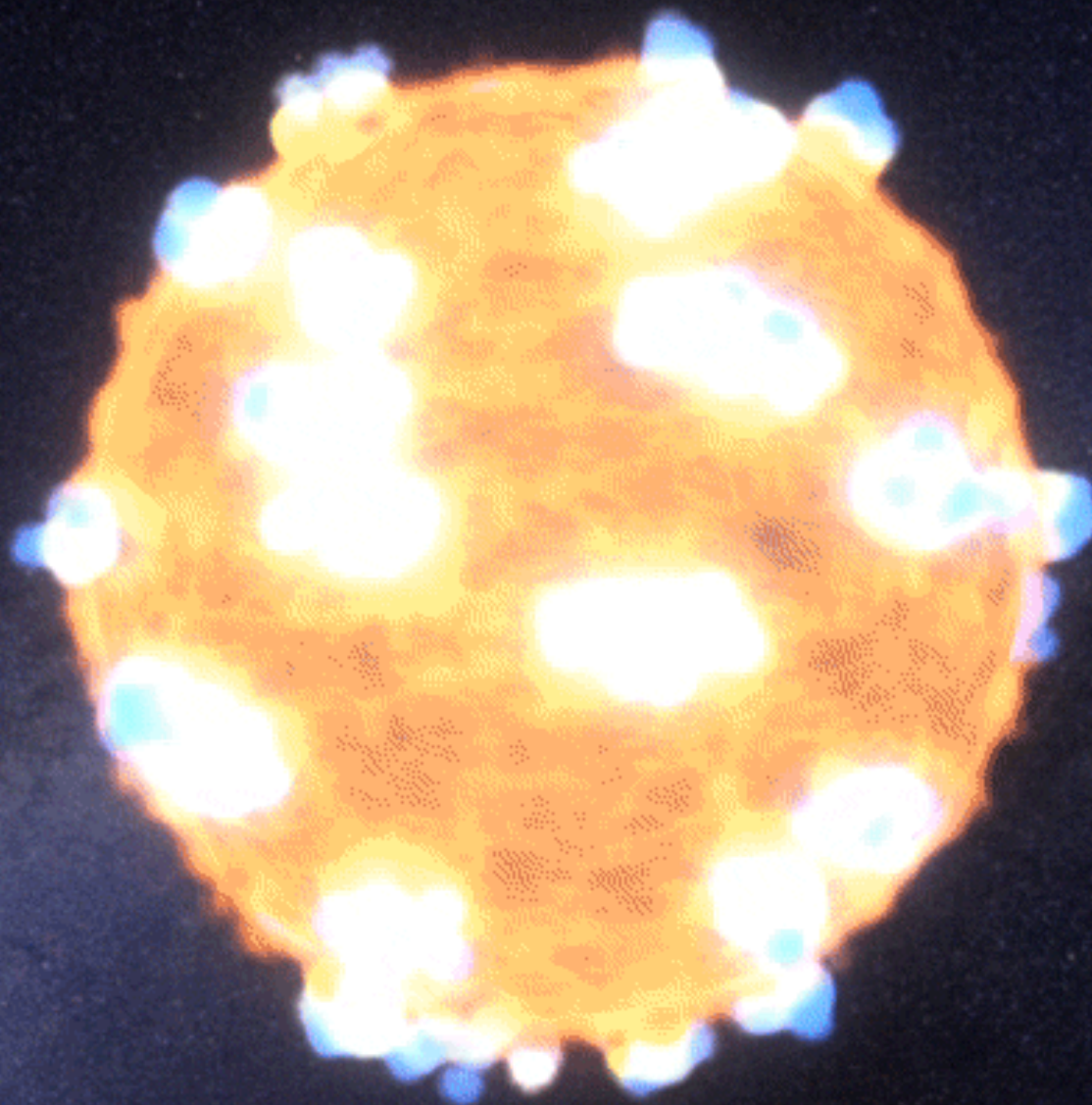
Collaborate

View and explore the data on our system collaboratively, manage your team and your data



Science

Rich & complex system to bring together data products from multiple surveys to facilitate new science with legacy and current surveys



Welcome back.

Sign in to access your personalised data portal, collaborate with other researchers and manage your data



Sign in with Data Central



Sign in with SkyMapper



Sign in with TAO



Sign in with MWA



Sign in with CASDA

No account? [Create one.](#)

Click “Sign in” above to accept our [Terms of Service](#) & [Privacy Policy](#)



NAVIGATION

- Dashboard
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- In Prep

OzDES 123456 ❤️

Data Central / Single Object Viewer/ GAMA 123456

J0112022+492835 | RA 123.215 Dec 0.311 | SDSS_ObjID 123456789456123

OzDES123456

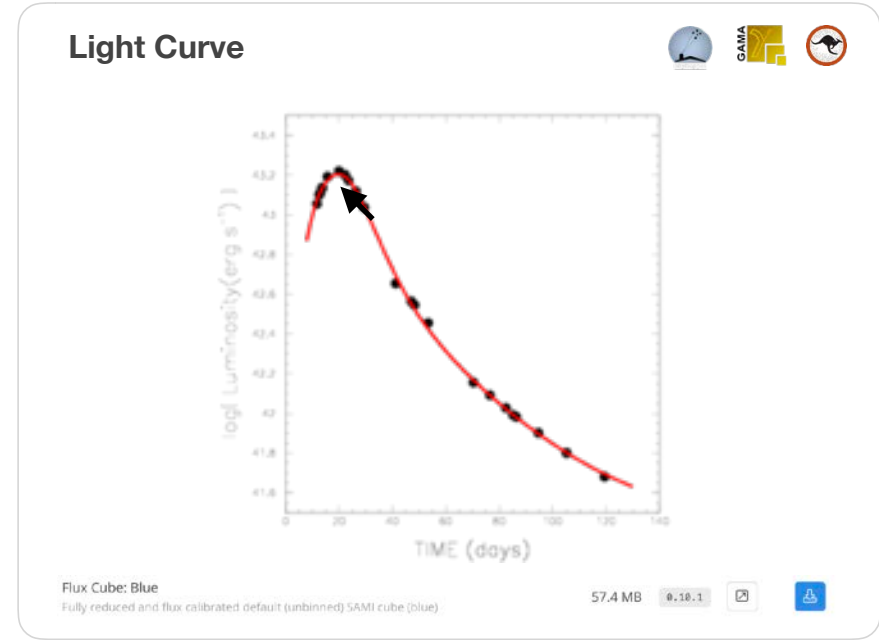
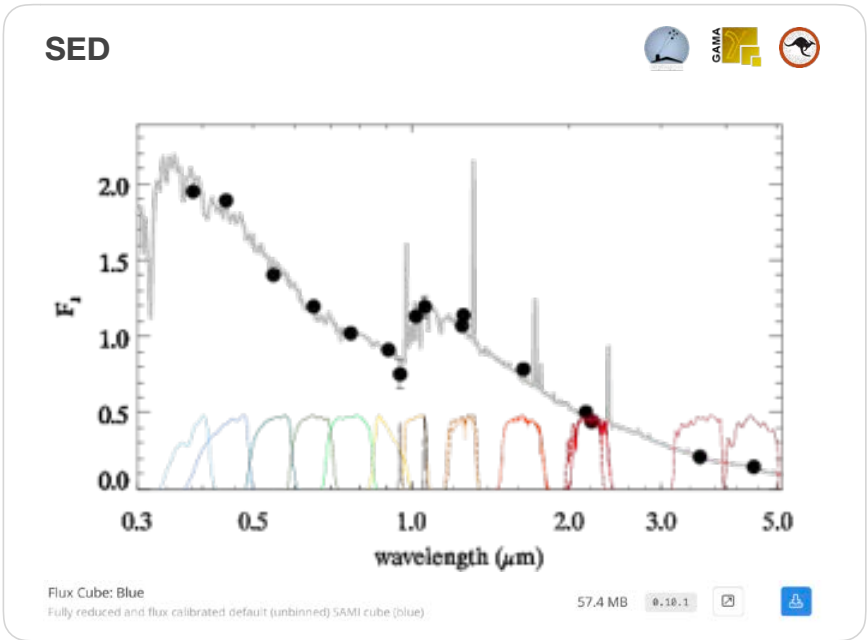
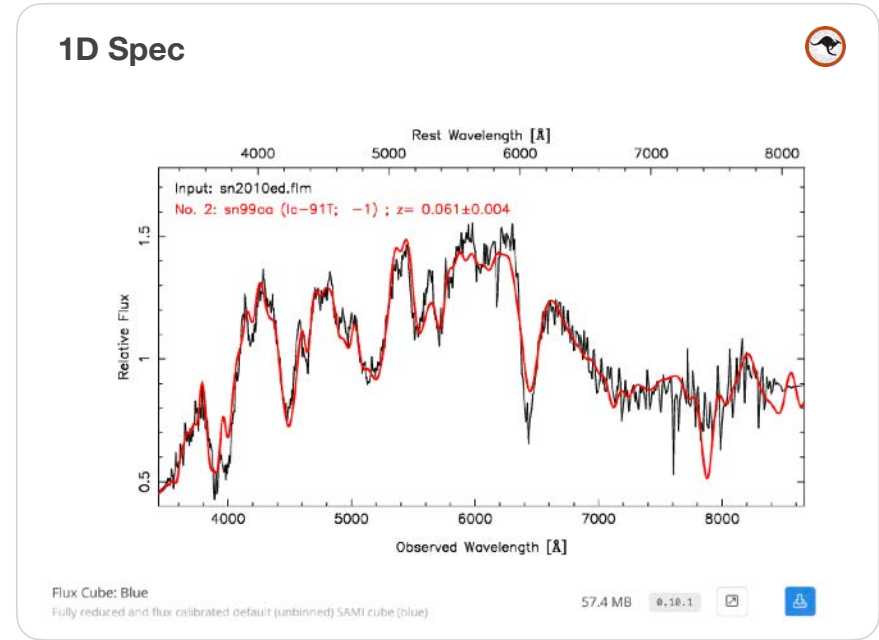
GAMA123456

SAMI 123456

AAT Archive

Tools

Download all (112.6 MB)



Catalogues

DATA RELEASE: DR1

GROUP: InputCat

TABLE: InputCatA

OzDES_ID	RA	DEC	z	flag	types
OzDES_000001	35.55125	4.783972	0.72434	4	StrongLens

query

csv, ascii, VOTable, LaTeX, fits

 Download all (112.6 MB)

LaTeX

NAVIGATION

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OzDES 123456

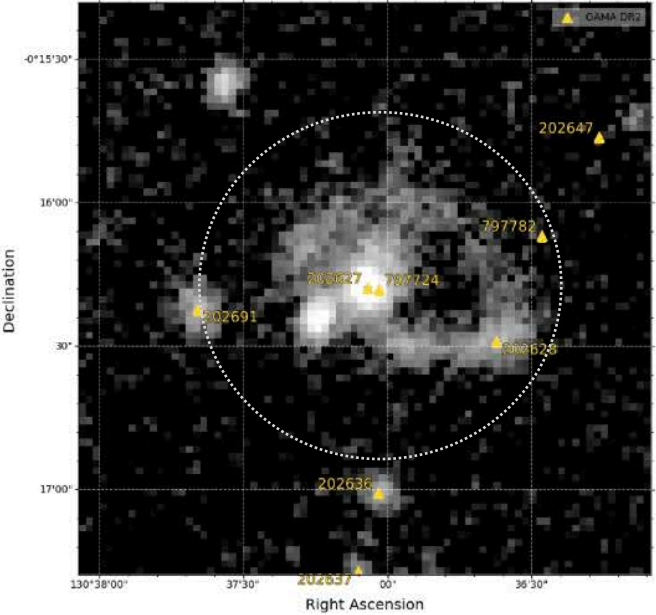
J0112022+492835 | RA 123.215 Dec 0.311 | SDSS_ObjID 123456789456123

[OzDES123456](#) [GAMA123456](#) [SAMI 123456](#) [AAT Archive](#)

Tools

Greyscale Image Cutout





BAND

VSTKIDS-r ▾

SCALING

log ▾

UNITS

hms, dms ▾

CONTOUR

MWA-GLEAM ▾

LEVELS





4,8,12

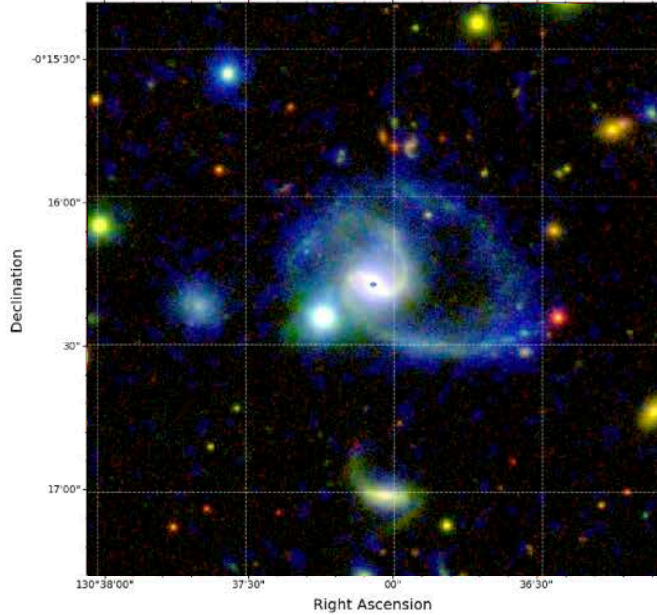
SOURCE POSITIONS

GAMA DR2 ▾

[advanced](#)

RGB Image Cutout





R

VISTA-K ▾

G

VST-r ▾

B

GALEX-NUV ▾

UNITS

hms, dms ▾

SOURCE POSITIONS

GAMA DR2 ▾

[advanced](#)

Query

Data Central / SQL / New

New Query

History

Builder

Tools

Return records that match some criteria from the GAMA, SAMI and GALAH catalogues. If you are logged in, your query will be saved.

Title*

Give a meaningful title to your query to refer back to it at a later date.

Notes

Add notes to describe your query and the results.

SQL/ADQL*

```
1 SELECT *
2 FROM
3   ozdes_dr1.inputcat as t1
4 WHERE
5   1=CONTAINS(POINT('ICRS', "ozdes_dr1.inputcat".RA,
6                  "ozdes_dr1.inputcat".DEC),
7              CIRCLE('ICRS', "mwaglean_dr1.inputcat".RAJ2000,
8                  "mwaglean_dr1.inputcat".DECJ2000, 0.5)
9          )
```

Valid ADQL/SQL.

Reset

Submit

Syntax

Schema Browser

You can submit valid SQL or ADQL to the Data Central database server. View the [docs](#) to browse the supported ADQL functions.

When constructing SQL/ADQL, it is important to adopt the correct syntax. Tables are addressed in the form:

SURVEY_DATARELEASE.TABLE

with a dot (.) as the delimiter.

You can find the correct name for each table and column in the [Schema Browser](#) below (see the **name** field). For example, the GalacticExtinction table from the InputCat group from the GAMA second data release is addressed as:

✓ **gama_dr2.GalacticExtinction**

Tips

- Do not include the group name as part of your query. There are dozens of tables from multiple surveys in the Data Central data base, *Groups* are used to collect scientifically-related tables together, in order to help the user locate the correct table more quickly. However, the group name is **not** needed when addressing the table in SQL.

✓ **SELECT t0.CATAID, t0.DEC, t0.EBV, t0.RA
FROM gama_dr2.GalacticExtinction as t0**

✗ **SELECT t0.CATAID, t0.DEC, t0.EBV, t0.RA
FROM gama_dr2.InputCat.GalacticExtinction as t0**

Schema Browser

DEVILS

GAIA

GALAH

GAMA

Hector

Huntsman

MWA

OzDES

RAVE

SAMI

SkyMapper

TAIPAN

WAVES

Settings

DATA RELEASE

Panchromatic Data Release

Data Release 2

Data Release 2

name: dr2 | type: data_release | version 2 | [🔗](#)

The second GAMA data release (DR2) provides AAT/AAOmega spectra, redshifts and a wealth of ancillary information for 72,225 objects from the first phase of the GAMA survey (2008 - 2010, usually referred to as GAMA I). The DR2 web pages describe the data included in this release, and provide access to an SQL database as well as to the actual data (spectra and catalogues).

If you are using GAMA DR2 data in a publication then please cite the [DR2 paper \(Liske et al. 2015\)](#) and [acknowledge GAMA](#).

NAVIGATION

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Rows displayed 999 Total Rows 960510 Download to view all rows.

ResultRequest DetailsNotes

InputCatA

New QuerycsvasciiVOTableLaTeXfits

Show 10 entries

Search:

cataid	objid	ra	dec	flags	primgtarget	petrorad_r	psfmag_r	fibermag_r	flags_r	extinction_r
0	588848900971299297	145.4697220077	0.6514189115	68987912448	0	3.01912	20.5737	20.7486	4503874773745664	0.3679
1	588848900971299302	145.4789214594	0.6351513706	68987912448	0	3.37557	21.0731	21.0551	4503874773745664	0.370129
2	588848900971299332	145.500483407	0.6725588587	68987912448	0	3.47138	20.6774	20.756	4503874773745664	0.343182
3	588848900971299340	145.5041636122	0.7609812687	68987912448	0	2.40421	20.5487	20.6737	4503874782134272	0.346827
4	588848900971299351	145.5157153809	0.8119672188	68987912448	0	5.42986	20.477	20.4964	4503874773745664	0.366079
5	588848900971299375	145.5360905156	0.6404502571	68988043520	0	3.57779	20.1561	20.1283	4503874773876736	0.339334
6	588848900971299383	145.5431834062	0.7440070133	68987912448	0	3.3748	20.3917	20.5228	4503874773745664	0.33097
7	588848900971364381	145.5666265304	0.7040404706	68988043536	0	2.55087	19.8195	19.9438	6755674587430928	0.322202
8	588848900971364385	145.5710673915	0.8124799794	70403406299480	0	2.56241	19.1487	18.8148	292734250959405080	0.355534
9	588848900971364421	145.6084758471	0.792384962	68988043536	0	2.56957	20.64	20.7082	4503874782134288	0.352325
cataid	objid	ra	dec	flags	primgtarget	petrorad_r	psfmag_r	fibermag_r	flags_r	extinction_r

ACTIVE JOBS
3
2 complete, 1 failed

STATISTICS
29
2 complete, 1 failed

TOTAL DOWNLOADS
151
Last: 130

1DSPEC DOWNLOAD
4,551
Last: 4,238

OzDES
487
REDSHIFTS MEASURED

DEVILS
23,781
REDSHIFTS MEASURED

My Surveys

GAMA

WAVES

DEVILS

H

manage

My Articles

Title	Date
Using the AAT Archive	08/06/19
Integrating the ...	07/06/19
Data Release 1	07/06/19

manage

My Notebooks

Title	Type	Date
My New Project	Python	28/06/19
z > 3 galaxies ...	R	10/05/19
HBeta line emi...	Python	21/04/19

manage

AAT Schedule

Date	Survey	Observer
04/06/18	OzDES	CLidman
12/07/18	DEVILS	LDavies
13/07/18	Commissioning	

more

In Prep

Title	Date
Latest DR from OzDES	28/06/19
Fast and slow rotato...	10/05/19
HBeta line emission ...	21/04/19

manage

LATEST: 1D Spec

OzDES123456 | GAMA123456 | RA 123.215 Dec 0.311

LATEST: RGB

VISTA-K

VST-r

GALEX-NUV

OzDES123456 | GAMA123456 | RA 123.215 Dec 0.311

LATEST: Light Curve

OzDES123456 | GAMA123456 | RA 123.215 Dec 0.311

LATEST: SED

OzDES123456 | GAMA123456 | RA 123.215 Dec 0.311


```
Downloading http://data.astropy.org/tutorials/FITS-images/M13_blue_0001.fits [Done]
Downloading http://data.astropy.org/tutorials/FITS-images/M13_blue_0002.fits [Done]
```


My Files

Last edited: June 4 2019

Data Central / Cloud

📁 All files

★ Favorites

🔗 Shared with you

🔗 Shared with others

🔗 Shared by link

🔍 Tags

📁 External storage

🏠 > DEVILS > data > reduced > +

📄 mysurvey_dr2

🔗 ⋮

35GB

6 months ago

📁 observing

⋮

38.6 MB

📁 logs

⋮

7.2 MB

📁 domeFlats

⋮

130.5 MB

📁 reduced

⋮

0 KB

📁 catalogues

⋮

62.9 MB

📁 calibrators

⋮

18.7 MB

★ 📁 rawdata

⋮

782.6 MB

a day ago

★ 📁 darks

⋮

326.1 MB

a day ago

📁 idxFiles

⋮

3 KB

7 days ago

10 folders and 3 files (including 3 hidden)

2.4 GB

🗑 Deleted files

⚙ Settings

📄 Example.odt

🔗

★ 35 KB, 6 months ago

Collaborative tags

Comments

Sharing

Versions

👤 DEVILS survey (info@devilsurvey.org)

Type in a new comment...

Post

No other comments available

Publish

a day ago

Publish DEVILS DR2 back to Data Central.

Need Help? Check out the [Getting Started Guide](#)

Manage

Mark as ▾

Latest

Action

<input type="checkbox"/>	<div>CW</div>	Probing dark matter and galaxy evolution with proper motions of galaxies	REVIEW REFEREE COMMENTS	>
<input type="checkbox"/>	<div>LM</div>	Measurement of the primordial helium abundance from the intergalactic medium	PROVIDE COMMENTS	>
<input type="checkbox"/>	<div>KS</div>	Investigating the X-ray enhancements of highly radio-loud quasars at $z > 4$	REVIEW CO-AUTHORS	>
<input type="checkbox"/>	<div>LM</div>	Understanding mechanical feedback from HERGs and LERGs	REVIEW COMMENTS	>
<input type="checkbox"/>	<div>KS</div>	The spin alignment of galaxies with the large-scale tidal field in hydrodynamic simulations	REVIEW COMMENTS	>

Showing 6 of 21

6 per page ▾

My Papers

Recent

Status

Probing dark matter and ... <small>06/06/2019</small>	<div>SUBMITTED</div>
Measurement of the primord... <small>12/07/2019</small>	<div>PUBLISHED</div>
Investigating the X-ray... <small>12/07/2019</small>	<div>IN PROGRESS</div>
Understanding mechanical... <small>12/07/2019</small>	<div>PUBLISHED</div>
The spin alignment of galaxi... <small>12/07/2019</small>	<div>PUBLISHED</div>


Showing 5 of 12

[View all](#)

TOTAL PROPOSED

74


Since Dec 2018



ACTIVE

15


5 in EnvironmentMeasures



PUBLISHED

29


MNRAS, APJ



SUBMITTED

14


MNRAS, APJ



UNASSIGNED

16

5 in EnvironmentMeasures



All GAMA Papers

GROUP

Group Finding ▾

Showing 1 of 8 groups





















Title	Status	Authors
Probing dark matter and galaxy evolution with proper motions of galaxies	<div>IN PROGRESS</div>	<div>KS</div> <div>LM</div> + 4 more
Measurement of the primordial helium abundance from the intergalactic medium	<div>UNASSIGNED</div>	
Investigating the X-ray enhancements of highly radio-loud quasars at $z > 4$	<div>AWAITING APPROVAL</div>	<div>LD</div> <div>RM</div> + 4 more
Understanding mechanical feedback from HERGs and LERGs	<div>SUBMITTED</div>	<div>KS</div>
The spin alignment of galaxies with the large-scale tidal field in hydrodynamic simulations	<div>PUBLISHED</div>	<div>CW</div> + 24 more

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6 per page ▾

Datasets

- Tens of millions of galaxies
- Billions of stars
- All-sky coverage in multiple bands
- Thousands of cubes
- Millions of spectra
- Many small (lost) datasets!

 SAMI	 OzDES	 GAIA	 GALAH
 RAVE	 GAMA	 S7	 AAPS
 WIGGLEZ	 Huntsman	 6dFGS	 TAIPAN
 2dFGRS	 FunnelWeb	 SkyMapper	 DEVILS
 WAVES	 Hector	 your data here	 your survey here

Archives



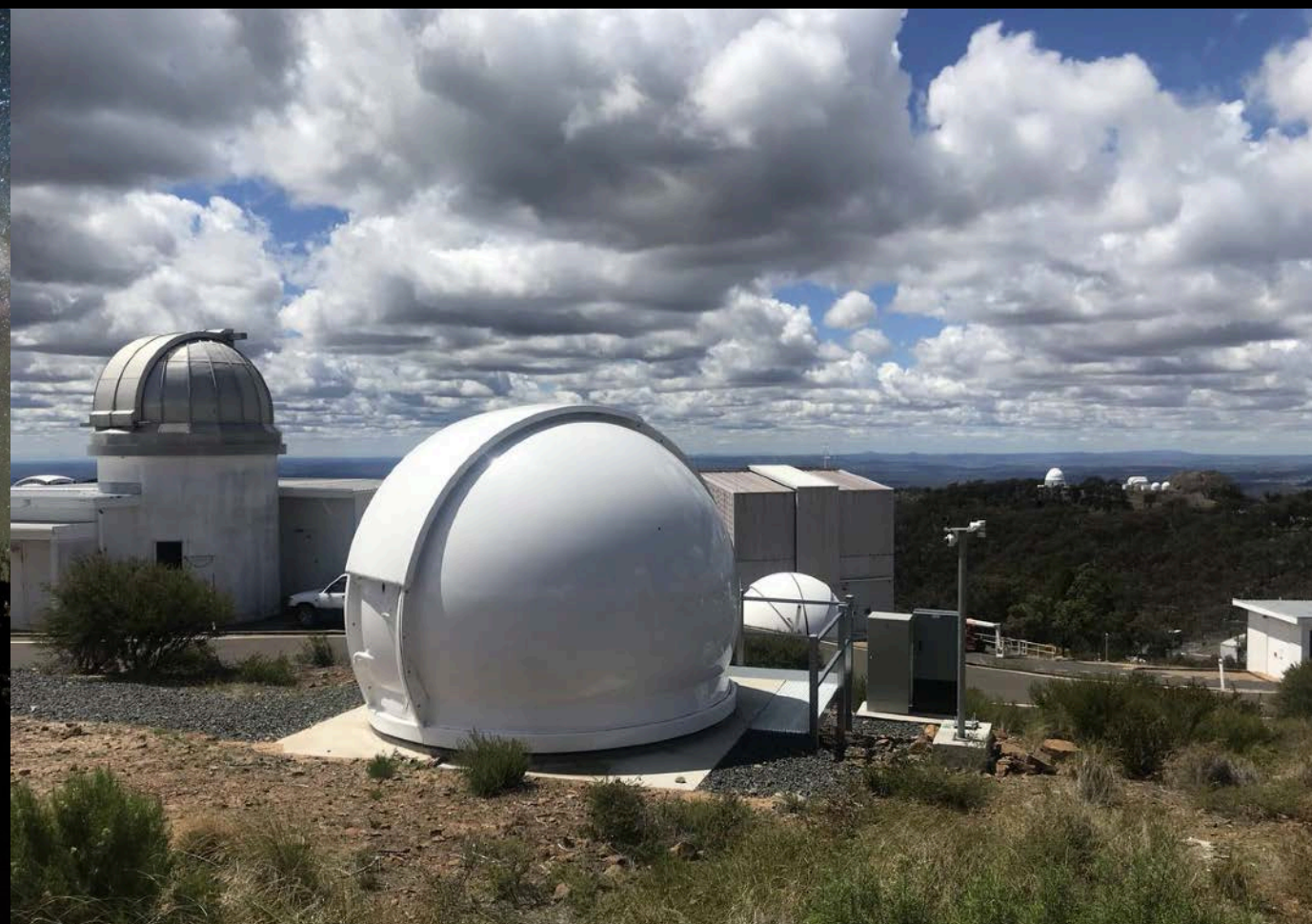
UKSCHMIDT



SKYMAPPER & ANU 2.3M



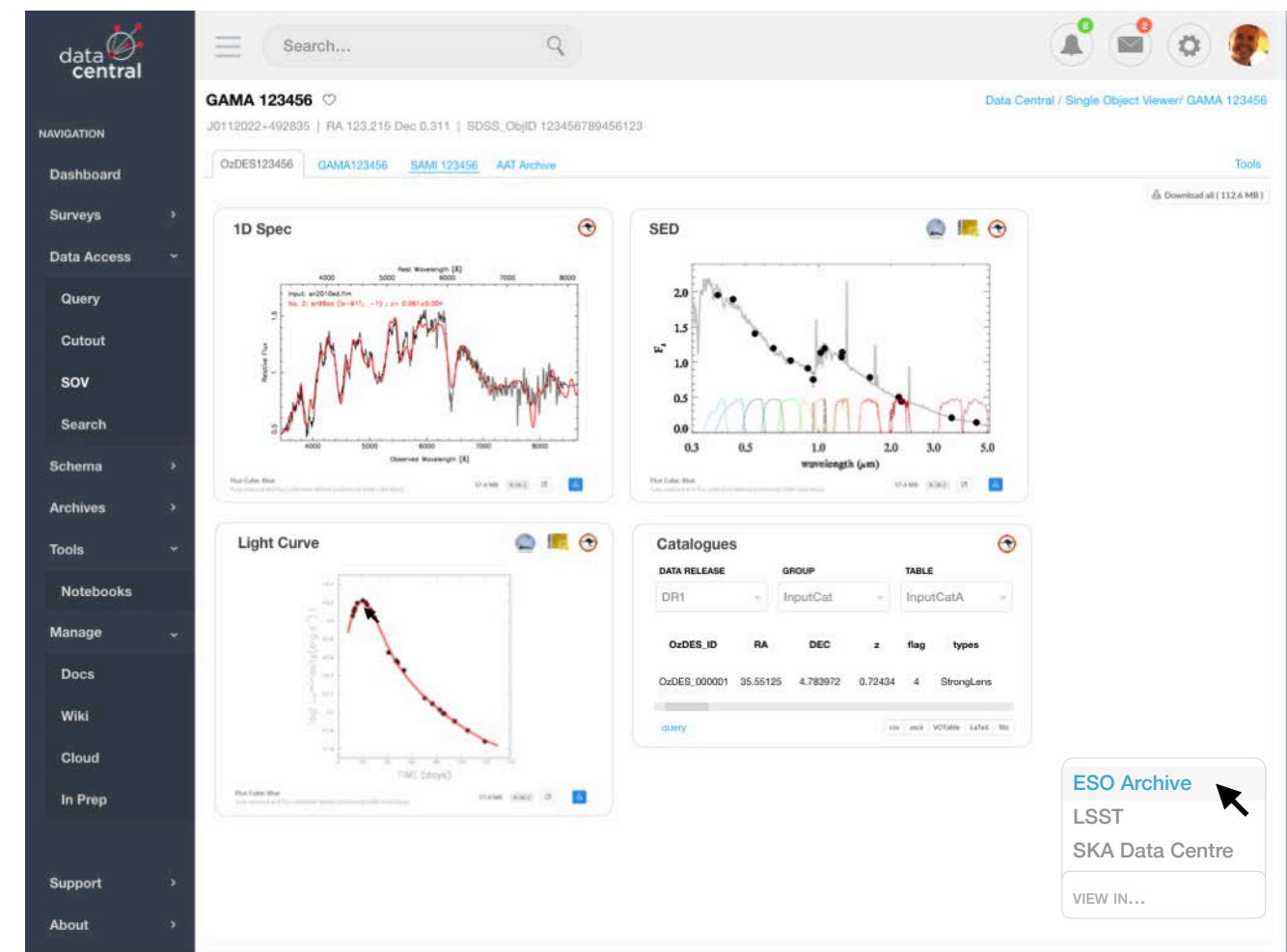
AAT



HUNTSMAN

ESO

- Integrated access to ESO archive
- Data visualisation tools compatible with ESO data products
- Seamless interoperability



SCIENCE ARCHIVE FACILITY

Observational Raw Data Query Results

How to use? | Instrument-specific interfaces | ESO Archive Overview | Archive FAQ | Archive Facility HOME | ESO HOME

To request data please select the datasets in the results table by marking the checkbox in the left-most column, then press the **Request marked datasets** button.
(You will be prompted for your ESO User Portal username and password. If you do not yet have an ESO User Portal account, please fill out the [registration form](#).)
Datasets for which the proprietary period is over are highlighted in green and are publicly available.
Datasets that are still under the proprietary period are highlighted in red and can only be downloaded by the corresponding PI and delegates.
Datasets that are not yet available in the Archive are marked with a "N/A".

Request marked datasets | Reset | MarkAll | MarkPublic | MarkProprietary | New query | Programmatic | Your Requests

M	More	HDR	OBJECT	Target Ra, Dec	Program ID	Instrument	Category	Type	Mode	Dataset ID	Release Date	IPL ID	IPL START
<input checked="" type="checkbox"/>		Header	SKY	00:00:39.00 -00:18:03.9	095.B-0644(A)	SOFI	ACQUISITION	SKY	IMAGE	SOFI_2015-09-02T06:22:11.434	Sep 3 2015	SOFI_img_acq_MoveToSlt	2015-09-02T06:19:09
<input checked="" type="checkbox"/>		Header	SDSSJ0000-0018	00:00:39.79 -00:18:19.9	095.B-0644(A)	SOFI	SCIENCE	OBJECT	SPECTRUM	SOFI_2015-09-02T06:28:54.951	Sep 3 2015	SOFI_spec_obs_AutoNodNonDestr	2015-09-02T06:26:30
<input checked="" type="checkbox"/>		Header	SDSSJ0000-0018	00:00:39.79 -00:18:19.9	095.B-0644(A)	SOFI	SCIENCE	OBJECT	SPECTRUM	SOFI_2015-09-02T06:45:29.052	Sep 3 2015	SOFI_spec_obs_AutoNodNonDestr	2015-09-02T06:44:31
<input checked="" type="checkbox"/>		Header	SDSSJ0000-0018	00:00:39.79 -00:18:19.9	095.B-0644(A)	SOFI	SCIENCE	OBJECT	SPECTRUM	SOFI_2015-09-02T06:34:25.129	Sep 3 2015	SOFI_spec_obs_AutoNodNonDestr	2015-09-02T06:33:28
<input checked="" type="checkbox"/>		Header	SDSSJ0000-0018	00:00:39.79 -00:18:19.9	095.B-0644(A)	SOFI	SCIENCE	OBJECT	SPECTRUM	SOFI_2015-09-02T06:39:55.550	Sep 3 2015	SOFI_spec_obs_AutoNodNonDestr	2015-09-02T06:38:58
<input checked="" type="checkbox"/>		Header	SDSSJ0000-0018	00:00:39.79 -00:18:14.9	095.B-0644(A)	SOFI	SCIENCE	OBJECT	SPECTRUM	SOFI_2015-09-02T07:40:22.953	Sep 3 2015	SOFI_spec_obs_AutoNodNonDestr	2015-09-02T07:39:25
<input checked="" type="checkbox"/>		Header	SDSSJ0000-0018	00:00:39.79 -00:18:14.9	095.B-0644(A)	SOFI	SCIENCE	OBJECT	SPECTRUM	SOFI_2015-09-02T07:34:52.378	Sep 3 2015	SOFI_spec_obs_AutoNodNonDestr	2015-09-02T07:33:54
<input checked="" type="checkbox"/>		Header	SDSSJ0000-0018	00:00:39.79 -00:18:14.9	095.B-0644(A)	SOFI	SCIENCE	OBJECT	SPECTRUM	SOFI_2015-09-02T07:51:25.638	Sep 3 2015	SOFI_spec_obs_AutoNodNonDestr	2015-09-02T07:50:28



CLASSIFY

SCIENCE

TEAM



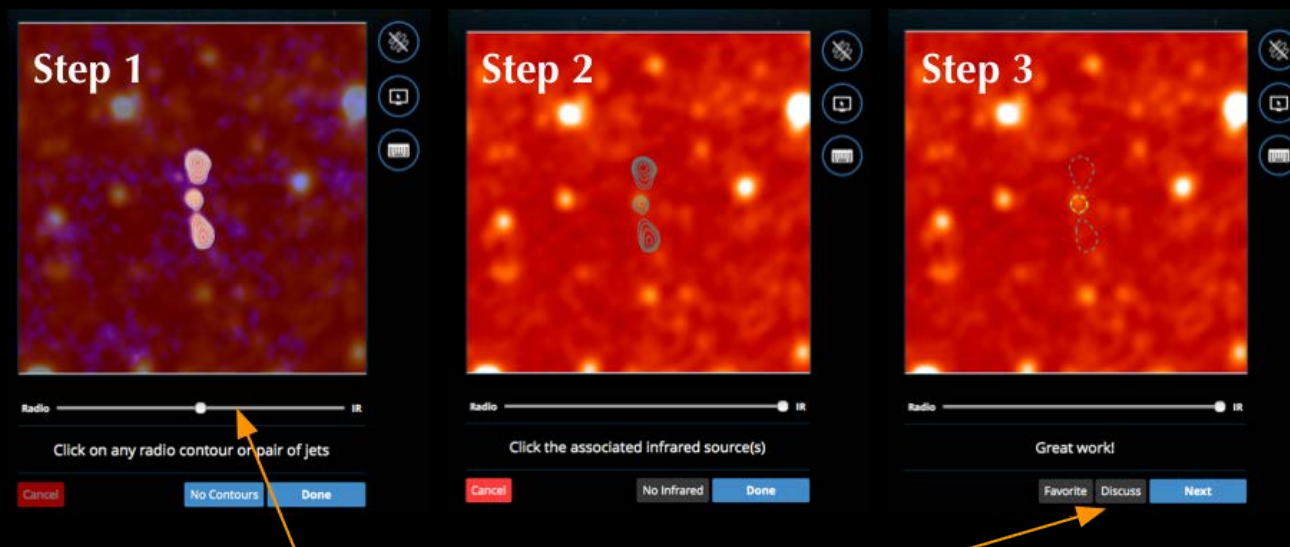
PROFILE

TALK

BLOG

Catalog and Classify Millions of Galaxies

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.



February 4, 2018

by olwei

In Observing, Radio Galaxy Zoo, Science, Site News

Leave a comment

Gems of the Galaxy Zoos: help pick Radio Galaxy Zoo Gems!

Help vote for Radio Galaxy Zoo Gems!

At the Galaxy Zoos (both at Galaxy Zoo & Radio Galaxy Zoo), we are fizzling with excitement as we prepare for observations using the Advanced Camera for Surveys instrument on board the Hubble Space Telescope. These new

June 23, 2016

by 42jkb

In Radio Galaxy Zoo, Site News

Leave a comment

Discovered galaxy cluster named after two citizen scientists

This post was written as a contribution by Timothy Friel, an undergraduate Australian National University student studying Theoretical Physics and Science Communication. Tim is conducting research into citizen science projects and their social media communication strategies.

Hats off to two of our volunteer participants who have officially been written in the stars.

The Matorny-Tere

Ivan Terentev and Russia, discovered, delineating a C-sh

August 1, 2017

by 42jkb

In Radio Galaxy Zoo, Site News

Leave a comment

Can we reach 2 million classifications?



1,959,013

CLASSIFICATIONS

Why do astronomers need your help?

What do astronomers hope to learn?



Education & Outreach

CITIZEN SCIENCE

OUTREACH

EDUCATIONAL PROGRAMS

TOOLS

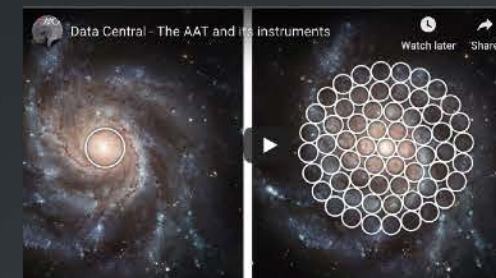
An Introduction to Telescopes

This introductory video was created and produced by Natalia Lowson as part of her 2016-2017 summer vacation student project at the AAO.



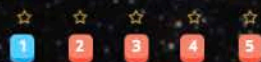
The AAT and its instruments

This is the third introductory video created and produced by Natalia Lowson as part of her 2016-7 summer vacation student project at the AAO.



LEARN HOW TO MEASURE THE REDSHIFT OF A GALAXY!

Beginner



NEW HERE? TRY THESE GALAXIES FIRST.

Intermediate



COMPLETED THE BEGINNER GALAXIES? IF YOU ARE CONFIDENT IN SPOTTING EMISSION AND ABSORPTION LINES IN THE SPECTRUM, TRY THESE GALAXIES!

Expert



COMPLETED THE INTERMEDIATE AND BEGINNER GALAXIES? ABSOLUTE PRO AT READING A GALAXY SPECTRUM? TRY CALCULATING THE REDSHIFT YOURSELF!

The AAT and its instruments

This is the third introductory video created and produced by Natalia Lowson as part of her 2016-7 summer vacation student project at the AAO.



The SAMI instrument and Survey

The Sydney AAO Multi-object Integral-field spectrograph puts 13 fused hexabundles, each containing 61 fibres, across a square-degree field of view. In this video, learn how the SAMI team use the SAMI instrument to provide a comprehensive spatially-resolved view of galaxy evolution.

The AAT Archive

This video overviews the release of the AAT archival data and how users can access it on Data Central.



LATEST

New Galaxies, new Galaxy Zoo!
06/06/2019

Discovered galaxy cluster named after two citizen scientists
12/07/2019

New Tool: What is redshift?
12/07/2019

Video: The SAMI instrument and Survey
12/07/2019

[Read more](#)

Data Centres

