



TALENTS

CNRS

Cérémonie 2022



Cristal
collectif



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Équipe Curation de données

Centre de Données astronomiques de Strasbourg (CDS)

Observatoire astronomique de Strasbourg [CNRS, Université de Strasbourg]

Institut national des sciences de l'univers du CNRS



Cristal
collectif

Findable 
Accessible 
Interoperable 
Reusable 

Documentaliste : collecte, classe, analyse le contenu et **rend accessible l'information quel qu'en soit le support.**

Terme « documentation » ~ 1920

« **Curateur/Curatrice** » de données :

« on désigne par **curation** l'ensemble des activités et opérations nécessaires à une **gestion active des données de recherche numériques**, tout au long de leur cycle de vie. L'objectif est de les rendre **accessibles, partageables et réutilisables de façon pérenne** ».

INIST (Institut de l'Information Scientifique et Technique)

Terme « curator » répandu pour le Web après 2011.

Chargé-e du traitement des données scientifiques - F2A43 :

« **Traiter, enrichir, valider et exploiter les données** dans le respect des normes en suivant une démarche **qualité** »

Fiche métier CNRS spécifique ~2013

Data steward : Gérer tout ce qui concerne le traitement et la qualité des données. S'assurer que les données sont **accessibles, utilisables, sécurisées et fiables**. Gérer la transparence et l'**origine des données** ainsi que la politique des usages de données.



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SIMBAD

M42

other query modes :

- Identifier query
- Coordinate query
- Criteria query
- Reference query
- Basic query
- Script submission
- TAP
- Output options
- Help

Query : M42

Basic data :

M 42 -- HII Region

Other object types: Rad (3C,4C,...), HII (2009ApJS,LBN), Cl* ([KPS2012]), Cl? (2013A&A), X (XSS)

ICRS coord. (*ep=J2000*) : 05 35 01.5 -05 26 24 (Optical) [] D ~

FK4 coord. (*ep=B1950 eq=1950*) : 05 32 34.1 -05 28 18 []

Gal coord. (*ep=J2000*) : 209.0286 -19.4622 []

Proper motions *mas/yr* : 1.67 -0.30 [0.49 0.49 1] D 2009MNRAS.399.2146W

Radial velocity / Redshift / cz : V(km/s) 27.8 [5] / z(spectroscopic) 0.000093 [0.000017] / cz 27.80 [5.00] (Opt) C 2017A&A...600A.106C

Angular size (*arcmin*): 66.0 66.0 90 (Opt) D 1989Sci...246.1066D

SIMBAD Query around within 2 arcmin



Identifiers (21) :

An access of full data is available using the icon VizieR near the identifier of the catalogue

M 42	LBN 974	NGC 1976	[KPS2012] MWSC 0582
3C 145	Mills 05+0A	NRL 6	[PT56] 6
4C -05.21	MSH 05-0-11	PKS 0532-054	[WCO2009] J053517-052326
CTA 37	NAME Great Orion Nebula	PKS 0532-05	
GAL 209.01-19.4	NAME Ori Nebula	XSS J05351-0519	
LBN 209.13-19.35	NAME Orion Nebula	[DGW65] 26	

References (3945 between 1850 and 2023) (Total 3945)

Simbad bibliographic survey began in 1850 for stars (at least bright stars) and in 1983 for all other objects (outside the solar system).

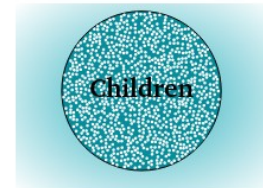
Follow new references on this object

Reference summaries :

from: 1850 to: \$currentYear

Display or select by : (not exhaustive, explanation here) In table Title|Abstract|Keyword Score

Collections of Measurements



All (CDSPortal)

Send to Aladin

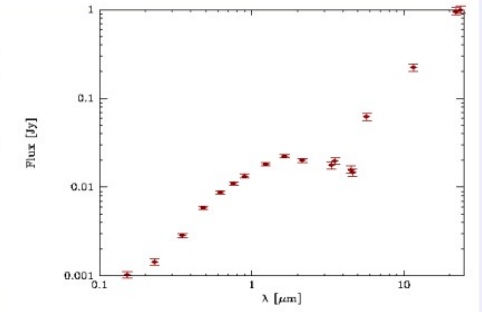
Photometry within 5 arcsec



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SED of Arp_256_S

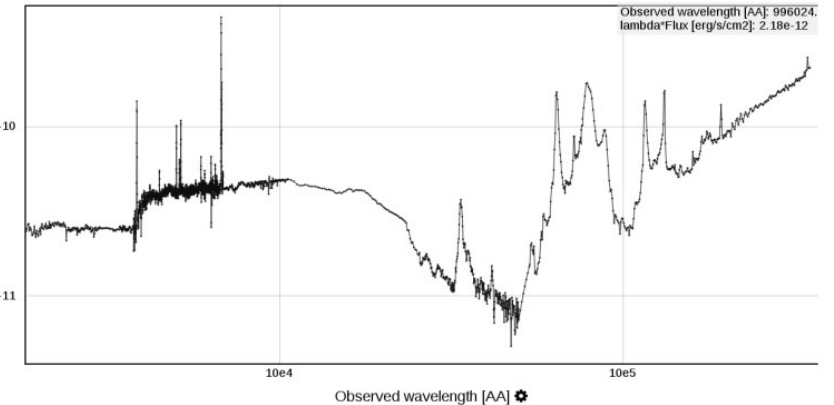


Name	RAJ2000 "h:m:s"	DEJ2000 "d:m:s"	MType	cz km/s	Dist Mpc	SED0Cat	
Arp 256 N	00 18 50.2	-10 21 44	SB(s)c	8184	114.3	SED	1
Arp 256 S	00 18 50.9	-10 22 39	SB(s)b	8124	113.4	SED	1
NGC 0337	00 59 50.0	-07 34 35	SBd	1648	22.4	SED	2

<i>sp</i>	<i>Img</i>	SimbadName
		MCG-02-01-C
		MCG-02-01-C
		NGC 0337
		CGCG 436-030
		NGC 0474

Name	RAJ2000 "h:m:s"	DEJ2000 "d:m:s"	FUV	UVW2	SDSSg	2MJ	W1	IRAC5.8	MIPS24
Arp 256 N	00 18 50.2	-10 21 44	●	fits	■	■	■	■	■
Arp 256 S	00 18 50.9	-10 22 39	●	fits	■	■	■	■	■
NGC 0337	00 59 50.0	-07 34 35	●	■	■	■	■	■	■
CGCG 436-030	01 20 02.6	+14 21 43	●	fits	■	■	■	■	■
NGC 0474	01 20 06.7	+03 24 56	●	fits	■	■	■	fits	■

J/ApJS/212/18 Spectral energy distribution of Arp 256 S



Added sp

Added
table

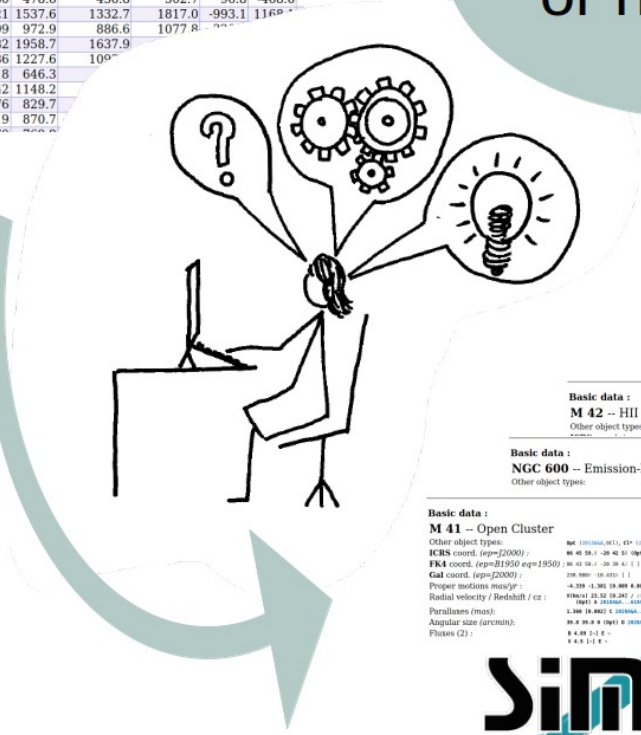


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JA+A/633/A99/table1 Gaia DR2 open clusters in the Milky Way II (Cantat-Gaudin+, 2020)
 Post annotation Mean parameters of the identified clusters (1481 rows)

start AladinLite plot the output query using TAP/SOL

Full ID	Cluster	RA JCRS deg	DE JCRS deg	GLON deg	GLAT deg	r50 deg	N	pmRA mas/yr	pmDE mas/yr	Pix mas	dmode pc	dmode+01 pc	dmode-01 pc	X pc	Y pc
1	ASCC_10	051.870	+34.981	155.723	-17.770	0.558	71	-1.737	-1.368	1.459	672.0	629.6	720.4	-583.3	263.1
2	ASCC_101	288.399	+36.369	68.028	11.608	0.372	75	0.934	1.288	2.488	397.3	382.2	413.8	145.6	360.9
3	ASCC_105	295.548	+27.366	62.825	2.063	0.648	127	1.464	-1.635	1.783	551.8	522.9	584.0	251.8	490.5
4	ASCC_107	297.164	+21.987	58.904	-1.901	0.174	59	-0.155	-5.156	1.109	878.5	807.6	963.1	453.5	751.9
5	ASCC_108	298.306	+39.349	74.378	6.074	0.537	230	-0.519	-1.690	0.838	1154.0	1034.6	1304.5	309.0	1105.1
6	ASCC_11	053.056	+44.856	150.546	-9.224	0.312	276	0.926	-3.030	1.141	854.5	787.2	934.3	-734.4	414.7
7	ASCC_110	300.742	+33.528	70.411	1.378	0.203	70	0.271	-3.132	0.497	1902.2	1598.2	2349.1	637.6	1791.6
8	ASCC_111	302.891	+37.515	74.714	2.056	0.537	156	-1.150	-1.524	1.166	836.9	772.3	913.4	220.5	806.8
9	ASCC_113	317.933	+38.638	82.877	-6.589	0.529	196	0.800	-3.679	1.762	558.2	528.7	591.2	68.8	550.3
10	ASCC_114	324.990	+53.997	97.082	1.028	0.216	150	-3.255	-3.421	1.066	913.2	836.8	1005.0	-112.6	906.1
11	ASCC_115	329.280	+51.558	97.528	-2.504	0.250	30	-0.549	-0.131	1.311	746.0	694.2	806.2	-97.6	738.9
12	ASCC_12	072.400	+41.744	162.986	-1.893	0.300	10	-0.270	-0.270	0.941	1030.7	934.3	1149.1	-985.0	301.4
13	ASCC_123	340.299	+53.986	104.434	-4.141	0.594	59	-0.774	-0.774	1.262	233.1	227.7	238.6	-57.9	225.1
14	ASCC_127	347.205	+64.974	112.349	-6.833	0.374	10	-0.270	-0.270	0.941	1030.7	934.3	1149.1	-985.0	301.4
15	ASCC_128	349.949	+54.435	109.770	-6.833	0.374	10	-0.270	-0.270	0.941	1030.7	934.3	1149.1	-985.0	301.4
16	ASCC_13	078.255	+44.417	163.502	3.308	0.300	10	-0.270	-0.270	0.941	1030.7	934.3	1149.1	-985.0	301.4
17	ASCC_16	081.198	+01.655	201.139	-18.300	0.300	10	-0.270	-0.270	0.941	1030.7	934.3	1149.1	-985.0	301.4
18	ASCC_19	081.982	-01.987	204.914	-19.435	0.300	10	-0.270	-0.270	0.941	1030.7	934.3	1149.1	-985.0	301.4
19	ASCC_21	082.179	+03.527	199.938	-16.598	0.300	10	-0.270	-0.270	0.941	1030.7	934.3	1149.1	-985.0	301.4
20	ASCC_23	095.047	+46.710	167.472	14.416	0.300	10	-0.270	-0.270	0.941	1030.7	934.3	1149.1	-985.0	301.4
21	ASCC_29	103.571	-01.670	214.743	-0.128	0.137	10	-0.270	-0.270	0.941	1030.7	934.3	1149.1	-985.0	301.4
22	ASCC_30	104.271	-06.230	219.119	-1.587	0.270	59	-1.595	-0.171	0.897	1080.4	975.0	1211.3	-837.9	-681.4
23	ASCC_32	105.714	-26.512	237.976	-9.433	0.656	259	-3.307	3.477	1.230	794.6	736.1	863.2	-415.7	-664.6
24	ASCC_41	116.674	+00.137	219.206	12.333	0.679	127	0.646	-3.990	3.352	295.8	287.3	304.8	-223.9	-182.6
25	ASCC_58	153.657	-55.001	281.671	1.263	0.592	137	-13.276	2.786	2.060	478.6	456.8	502.7	96.8	-468.6
26	ASCC_6	026.846	+57.722	130.369	-4.340	0.188	133	-0.838	0.211	0.621	1537.6	1332.7	1817.0	-993.1	1169.7
27	ASCC_66	168.367	-55.437	289.280	4.816	0.097	22	-11.331	2.969	0.999	972.9	886.6	1077.8	96.8	-468.6
28	ASCC_67	175.280	-61.013	294.515	0.704	0.183	46	-6.766	0.919	0.482	1958.7	1637.9	2100.0	-109.0	109.0
29	ASCC_71	185.033	-67.509	299.936	-4.820	0.255	93	-9.272	-1.351	0.786	1227.6	1090.0	1380.0	-109.0	109.0
30	ASCC_73	189.281	-67.203	301.542	-4.370	0.988	68	-11.539	-2.945	1.518	646.3	610.6	695.6	-218.7	608.6
31	ASCC_77	212.694	-62.331	311.999	-0.864	0.179	150	-4.243	-3.220	0.842	1148.2	975.0	1211.3	-837.9	-681.4
32	ASCC_79	229.731	-60.798	319.977	-2.905	0.980	129	-2.914	-4.232	1.176	829.7	736.1	863.2	-415.7	-664.6
33	ASCC_85	251.853	-45.555	339.815	-0.259	0.357	119	0.170	-4.102	1.119	870.7	829.7	913.4	220.5	806.8



New object or not new?

Basic data : M 42 -- HII Region
 Other object types: ...

Basic data : NGC 600 -- Emission-line galaxy
 Other object types: ...

Basic data : M 41 -- Open Cluster
 Other object types: ...
 ICRS coord. (epo=2000) : ...
 FK4 coord. (epo=1950) : ...
 Gal coord. (epo=2000) : ...
 Proper motions mas/yr : ...
 Radial velocity / km/s : ...
 Parallaxes (mas) : ...
 Angular size (arcmin) : ...
 Fluxes (J) : ...

Hierarchy : ...
 whatever the multiplicity probability is (see description here) :

Identifiers (7) : ...

References (262 between 1850 and 2023) (Total 262)
 Simbad bibliographic survey began in 1850 for stars (at least bright stars) and in 1983 for all other objects (outside the solar system).
 Follow new references on this object.



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Aladin v12.0

File Edit Image Catalog Overlay Coverage Tool View Interop Help

Available data → 30469 Command 22:35:54.15 +33:58:12.9 Frame ICRS Projection Aitoff

● in view ● out view

- Collections → 30469
 - Image → 522
 - Gamma-ray → 23
 - X-ray → 44
 - UV → 27
 - Optical → 138
 - Infrared → 148
 - Radio → 94
 - Gas-lines → 48
 - Data base → 4
 - Catalog → 28549
 - Cube → 27
 - Ancillary → 79
 - Outreach → 52
 - Others → 1236

DSS PanSTARRS SDSS 2MASS GALEX Gaia Simbad NED CDS/P/SDSS9/z Iov-gso/P/BOLOCAM CDS/P/Skymapper-color-IRG +

HST EPO **JWST First-Images**

select pan dist phot draw tag moc spect filter cross crop assoc epoch size dens cube pixel zoom prop del

select from -- all collecti... coll. sort view scan filter grid studywink redo north hdr multiview match

934' x 3.647' 1858-11-17 ... 1858-1

0 sel / 5681 src 127fps / 533Mb

ALADIN

Université de Strasbourg/CNRS - developed by CDS, distributed under GPLv3



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Vidéo « Evolution de SIMBAD » :

https://podv2.unistra.fr/media/videos/f166aae1413f42323089b6334940780ba2cd4b72de3970deb8c6096a931b422c/49672/720p_cds50_simbad-content-evolution_OWgmdVm.mp4



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