¿Cómo puedo publicar mis datos en VO?

Enrique Solano Márquez. Nov 2021

Archivo / repositorio de datos.

Spanish Virtual Observatory

CENTRO DE ASTROBIOLOGÍA
CSIC — INTA Instituto Nacional de Técnica Aeroespacial

EXCELENCIA MARÍA DE MAEZTU

ESCAPE European Science Cluster of Astronomy & Particle physics ESFRI research infrastructures

Home   Archives   VO Science   Tools and Services   Big Data   Education & Outreach   Dissemination   Help Desk

The SVO Astronomical Data Center

Observatories and missions

- **Calar Alto**. The Calar Alto (CAHA) archive.
- **COROT**. The COROT public archive at CAB.
- **GTC**.The Gran Telescopio CANARIAS public archive.
- **INES**. IUE *Newly Extracted Spectra*.
- **Joan Oró**. Telescopi Joan Oró (TJO) archive.
- **OMC**. INTEGRAL Optical Monitoring Camera (OMC) archive.

More information

- **Publishing data in the VO.**
- **Portal de datos para Astronomía Amateur**
- **Census of astronomical Data Centres in Spain**

SVO Astronomical Data Catalogues

- **SVO GTC OSIRIS Broad Band First Data Release catalogues.**
- **SVO archive of asteroids in the WFCAM Transit Survey.**
- **SVO archive of white dwarfs from Gaia.**

Other Catalogues

- **ALHAMBRA.**
- **ARCHES.**
- **CMC-15.**

Archivo / repositorio de datos.

Archivo / repositorio de datos.

Archivo de Datos
para
Astronomía Amateur

LAEFF

SVO
Spanish Virtual Observatory

STARS4ALL: TESS

Búsqueda por rango de fechas:

23/07/2018 | 00:00 | 30/07/2018 | 00:00

Rango magnitud: 15 - 22

ID de la estación:

- stars
- stars1
- stars10
- stars100
- stars101
- stars11
- stars12
- stars14
- stars15
- stars16
- stars17
- stars18
- stars19
- ☑ stars2
- stars201
- stars202
- stars203
- stars204
- stars205
- stars206

- stars210
- stars212
- stars215
- stars22
- stars236
- stars238
- stars23v2
- stars24
- stars248
- stars25
- stars250
- stars265
- stars27
- stars273
- stars276
- stars28
- stars283
- stars288
- stars290
- stars3
- stars30

- stars 39 lapland
- stars4
- stars40
- stars41
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- stars8
- stars81
- stars82
- stars83
- stars84
- stars85
- stars86
- stars89

Sky brightness
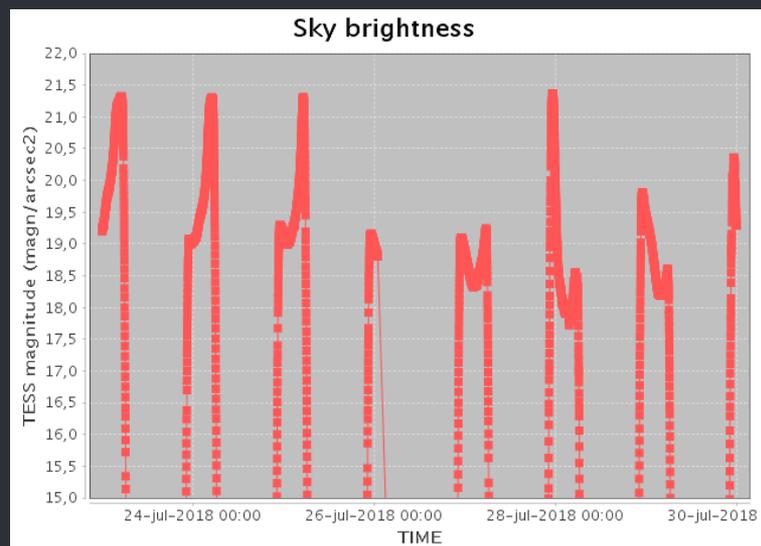
Time, Name, seq, rev, freq, mag, tamb, tsky, wdBm
2018-07-23 00:00:46.767, stars2, 2192, 1, 3.3, 19.2, 16.14, -6.57, -54
2018-07-23 00:01:49.427, stars2, 2193, 1, 3.27, 19.21, 16.13, -6.58, -54
2018-07-23 00:02:51.788, stars2, 2194, 1, 3.23, 19.23, 16.15, -6.6, -54
2018-07-23 00:03:54.033, stars2, 2195, 1, 3.23, 19.23, 16.13, -6.7, -54
2018-07-23 00:04:56.366, stars2, 2196, 1, 3.19, 19.24, 16.09, -6.82, -54
2018-07-23 00:05:58.382, stars2, 2197, 1, 3.17, 19.25, 16.05, -6.9, -54
2018-07-23 00:07:00.406, stars2, 2198, 1, 3.16, 19.25, 16.02, -6.9, -54
2018-07-23 00:08:02.107, stars2, 2199, 1, 3.15, 19.26, 16.01, -6.87, -54
2018-07-23 00:09:03.712, stars2, 2200, 1, 3.14, 19.26, 15.99, -6.89, -54
2018-07-23 00:10:05.127, stars2, 2201, 1, 3.13, 19.26, 15.98, -6.89, -54
2018-07-23 00:11:06.73, stars2, 2202, 1, 3.12, 19.26, 15.97, -6.93, -54
2018-07-23 00:12:10.943, stars2, 2203, 1, 3.11, 19.27, 15.93, -6.97, -53
2018-07-23 00:13:12.248, stars2, 2204, 1, 3.1, 19.27, 15.89, -6.94, -54
2018-07-23 00:14:13.477, stars2, 2205, 1, 3.08, 19.28, 15.88, -6.94, -54
2018-07-23 00:15:15.369, stars2, 2206, 1, 3.05, 19.29, 15.85, -7.02, -53
2018-07-23 00:16:17.276, stars2, 2207, 1, 3.0, 19.31, 15.82, -7.01, -53
2018-07-23 00:17:18.418, stars2, 2208, 1, 2.99, 19.31, 15.8, -7.04, -53
2018-07-23 00:18:19.937, stars2, 2209, 1, 3.08, 19.28, 15.79, -7.0, -54
2018-07-23 00:19:22.021, stars2, 2210, 1, 3.07, 19.28, 15.78, -7.02, -54
2018-07-23 00:20:23.413, stars2, 2211, 1, 3.06, 19.28, 15.78, -7.05, -54
2018-07-23 00:21:24.818, stars2, 2212, 1, 3.06, 19.29, 15.78, -7.03, -54

Archivo / repositorio de datos.

OBSERVATORI ASTRONÒMIC DEL GARRAF

OAG-SVO Star Analyser Spectroscopic Data Base (SASDABA)

SVO — Spanish Virtual Observatory

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EXCELENCIA MARÍA DE MAEZTU

OAG-SVO STAR ANALYSER SPECTROSCOPIC DATA BASE (SASDABA)

◉ Esp ○ Eng

Proyecto Pro-Am

SASDABA tiene por objetivo la creación de una base de datos conteniendo espectros de unas 2.000 estrellas brillantes (V<5) de los hemisferio norte y sur. Los espectros se obtienen con redes de difracción tipo Star Analyser 100 -200 L/mm a la que puede añadirse un prisma de 3,8º fabricados por Paton Hawksley Education Ltd (UK), así como con diversos espectrógrafos (Alpy 600, LHIRES-III ,DADOS o similares). Las dispersiones son del orden de 1 a 20 A/pix. Los instrumentos utilizados tienen un rango de apertura entre los 80mm y 400mm. ...

Leer más

Guía rápida

Descripción detallada del proyecto

Software RSpec / Web de espectroscopía en tiempo real por Tom Field
     Tutorial por Tom Field
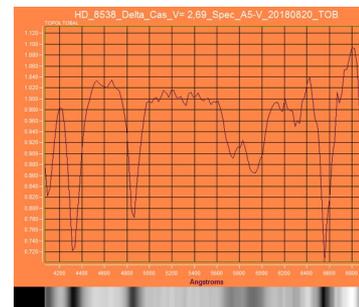   Tutorial YouTube por Tom Field

Archivo / repositorio de datos.

OBSERVATORI ASTRONÒMIC DEL GARRAF

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EXCELENCIA MARÍA DE MAEZTU

61 Cyg AB (HD 201091 – HD 201092). C-11+ASI 174MM+SA-100
20180725 .T.Tobal. OAG.

HD_8538_Delta_Cas_V= 2,69_Spec_A5-V_20180820_TOB

Results

3237 results found   Download selected files

Name	HD Name	Bayer id	Flamsteed id	SIMBAD	RA (degree)	Dec (degree)	RA	Dec	V?	Spec. Type?	Date	Time	Obs. CODE	File Sci File ✓	File Txt File ✓
Rigel	HD34085	bet Ori A	19 Ori	view	78.63447	-8.20164	05 14 32.272	-08 12 05.90	0.13	B8Iae C 1943ApJ....98..153M	2018-01-29	20:28:54	TOB-1	Avi file ✓	txt file ✓
Castor B	HD60178	alf01 Gem	66 Gem B	view	113.65042	31.88849	07 34 36.100	+31 53 18.57	3.0	kA0hA2:mA1IVs B 1995ApJS...99..135A	2018-01-29	21:36:19	TOB-1	Avi file ✓	txt file ✓
-	HD37020	tet01 Ori A	41 Ori A	view	83.81594	-5.38731	05 35 15.825	-05 23 14.33	6.73	B0V C 1977ApJS...34..115W	2018-01-29	20:33:32	TOB-1	Avi file ✓	txt file ✓
-	HD37020	tet01 Ori A	41 Ori A	view	83.81594	-5.38731	05 35 15.825	-05 23 14.33	6.73	B0V C 1977ApJS...34..115W	2018-01-29	20:40:39	TOB-1	Avi file ✓	txt file ✓
Rigel	HD34085	bet Ori A	19 Ori	view	78.63447	-8.20164	05 14 32.272	-08 12 05.90	0.13	B8Iae C 1943ApJ....98..153M	2018-01-29	20:24:01	TOB-1	Avi file ✓	txt file ✓
Castor B	HD60178	alf01 Gem	66 Gem B	view	113.65042	31.88849	07 34 36.100	+31 53 18.57	3.0	kA0hA2:mA1IVs B 1995ApJS...99..135A	2018-01-29	21:34:06	TOB-1	Avi file ✓	txt file ✓
Pollux	HD62509	bet Gem	78 Gem	view	116.32896	28.02620	07 45 18.950	+28 01 34.32	1.14	K0IIIb B 1989ApJS...71..245K	2018-01-29	21:29:27	TOB-1	Avi file ✓	txt file ✓
Procyon	HD61421	alf CMi A	10 CMi	view	114.82550	5.22499	07 39 18.119	+05 13 29.96	0.37	F5IV-V+DQZ C 2013yCat....1.2023S	2018-01-29	21:12:54	TOB-1	Avi file ✓	txt file ✓
Pollux	HD62509	bet Gem	78 Gem	view	116.32896	28.02620	07 45 18.950	+28 01 34.32	1.14	K0IIIb B 1989ApJS...71..245K	2018-01-29	21:20:03	TOB-1	Avi file ✓	txt file ✓
Pollux	HD62509	bet Gem	78 Gem	view	116.32896	28.02620	07 45 18.950	+28 01 34.32	1.14	K0IIIb B 1989ApJS...71..245K	2018-01-29	21:20:18	TOB-1	Avi file ✓	txt file ✓
-	HD37020	tet01 Ori A	41 Ori A	view	83.81594	-5.38731	05 35 15.825	-05 23 14.33	6.73	B0V C 1977ApJS...34..115W	2018-01-29	21:04:16	TOB-1	Avi file ✓	txt file ✓
-	HD37020	tet01 Ori A	41 Ori A	view	83.81594	-5.38731	05 35 15.825	-05 23 14.33	6.73	B0V C 1977ApJS...34..115W	2018-01-29	20:37:05	TOB-1	Avi file ✓	txt file ✓
Castor B	HD60178	alf01 Gem	66 Gem B	view	113.65042	31.88849	07 34 36.100	+31 53 18.57	3.0	kA0hA2:mA1IVs B 1995ApJS...99..135A	2018-01-29	21:34:44	TOB-1	Avi file ✓	txt file ✓

Archivo / repositorio de datos.

CENTRO ASTRONÓMICO DE CARTAGENA

Archivo / repositorio de datos.

ObCP

Results

Total results: 452

RA (J2000)?	Dec (J2000)?	Date?	T. exp. (s)?	Airmass?	Object?	File ☑		
						Header	Plot Aladin	Fetch
0.784138	10.655464	2019-10-29 18:41:09.0	300.0	1.48	80463.2000.AK19	Header	View	Download ☑
0.784300	10.655454	2019-10-29 18:46:26.0	300.0	1.46	80463.2000.AK19	Header	View	Download ☑
0.788008	10.668358	2019-10-29 19:47:59.0	300.0	1.24	80463.2000.AK19	Header	View	Download ☑
0.788050	10.668298	2019-10-29 19:53:48.0	300.0	1.23	80463.2000.AK19	Header	View	Download ☑
0.914117	11.246717	2019-10-29 20:06:11.0	300.0	1.20	80463.2000.AK19	Header	View	Download ☑
0.914146	11.246702	2019-10-29 20:11:41.0	300.0	1.19	80463.2000.AK19	Header	View	Download ☑
0.920292	11.249261	2019-10-29 18:55:35.0	300.0	1.41	303058.2003.YF126	Header	View	Download ☑
0.920321	11.249269	2019-10-29 19:00:48.0	300.0	1.38	303058.2003.YF126	Header	View	Download ☑
22.216183	14.978868	2019-10-16 21:31:48.0	25.0	1.28	2019.VAN.ALBADA	Header	View	Download ☑
22.216304	14.975030	2019-10-16 19:56:27.0	25.0	1.82	2019.VAN.ALBADA	Header	View	Download ☑
22.216338	14.975111	2019-10-16 19:57:48.0	25.0	1.80	2019.VAN.ALBADA	Header	View	Download ☑
22.216492	14.978886	2019-10-16 21:34:41.0	25.0	1.27	2019.VAN.ALBADA	Header	View	Download ☑
22.216579	14.978916	2019-10-16 21:32:58.0	25.0	1.27	2019.VAN.ALBADA	Header	View	Download ☑

Archivo / repositorio de datos.

Archivo / repositorio de datos.

Archivo / repositorio de datos.

SVOCat Documentation

Version 2.01, October 2020, author: Carlos Rodrigo

| Home | Download | Documentation | Examples | Credits | Help-Desk |

(You can see this documentation as a single web page if you wish)

Introduction

SVOCat is an application intended to make easier the publication of an astronomical catalogue, both as a web page and as a Virtual Observatory ConeSearch service.

Our intention is not no make it "magical" so that it makes all the work for you. We have tried to make it so that it's easier for you to learn about what is being done, to start the installation and configuration process at different steps if you wish, and to change the application if you need to do it for your case.

Requirements:

- A web server (Apache, for instance) and access to a web directory to install the files.

- PHP

- MySQL database.

(See some technical details below)

We assume that:

Archivo / repositorio de datos.

The SVO hot subdwarf archive

Home | Data retrieval | News | Documentation | Coverage | Credits | Help-Desk

The SVO hot subdwarf archive:

This data server provides access to the SVO hot subdwarf catalogue compiled by Pérez-Fernández et al. (2015).

It contains 473 hot subdwarf candidates obtained after a photometric and astrometric search in 11663 sq. deg. using GALEX, SDSS SuperCosmos and 2MASS. 86 of these candidates were spectroscopically classified following the classification criteria/scheme in Drilling et al (2013). New potentially binary systems have also been flagged.

A detailed information on the identification and characterization of the hot subdwarfs included in this archive can be found at Pérez-Fernández et al. (2015, in prep.)

Resources

- Data retrieval
- News
- Documentation
- Coverage
- Credits
- Help-Desk

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The SVO hot subdwarf archive

RA (?)	DEC (?)	Radius (?)	Search Reset
: :	: :	: :5	10 results ∨ default verb. ∨ (Maximum Search Radius allowed: 180 degrees)

☐ Don't use coordinates as search criterion

[-] Hide additional search fields

objID (?)	
SDSS_name (?)	
J_2MASS (?)	.
Teff (chi2-VOSA) (?)	∨ . ∨
Fit_flag (?)	--- ∨ . --- ∨
Start_excess (?)	∨

First 10 results shown (70 found)

| RA (SDSS) (deg)	DEC (SDSS) (deg)	RA (SDSS) (hh:mm:ss)	DEC (SDSS) (hh:mm:ss)	objID (?)	SDSS_name (?)	RPM (?)	Teff (chi2-VOSA) (K)	Teff (bayes-VOSA) (kK)	Fit_flag (?)	SED_fitting_VOSA (?)	MK_like
169.264744	18.432823	11:17:03.54	18:25:58.16	z4_obj19	SDSS J111703.54+182558.1	26.54	55000.0		400	See	
209.202652	21.086139	13:56:48.64	21:05:10.10	z22_obj20	SDSSJ135648.63+210509.9	23.96	55000.0		400	See	
183.702184	36.647029	12:14:48.52	36:38:49.30	z2_obj11	SDSS J121448.52+363849.2	22.87	30000.0		500	See	
217.197758	-1.522276	14:28:47.46	-01:31:20.19	z28_obj25	SDSS J142847.45-013120.0	22.99	15000.0		100	See	
149.286967	22.515457	09:57:08.87	22:30:55.65	z12_obj24	SDSS J095708.87+223055.6	23.38	15000.0		100	See	
140.695465	0.294713	09:22:46.91	00:17:40.97	z11_obj26	SDSS J092246.91+001740.9	22.36	15000.0		100	See	
142.862019	16.564636	09:31:26.88	16:33:52.69	z11_obj35	SDSS J093126.88+163352.6	21.31	15000.0		100	See	
135.006480	1.480805	09:00:01.56	01:28:50.90	z11_obj12	SDSS J090001.52+012850.1	23.80	15000.0		100	See	
179.436799	48.938409	11:57:44.83	48:56:18.27	z3_obj07	SDSS J115744.83+485618.4	25.82	15000.0		300	See	
145.281546	37.895157	09:41:07.57	37:53:42.57	z12_obj19	SDSS J094107.57+375342.5	23.25	16000.0		400	See	

Download all results as VOTable or CSV file

You can send these results to other VO Applications if they are already open in your computer. Maybe you could want to take a look to TOPCAT, Aladin, SPLAT-VO or other interesting VO applications.

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Archivo / repositorio de datos.

The SVO hot subdwarf archive
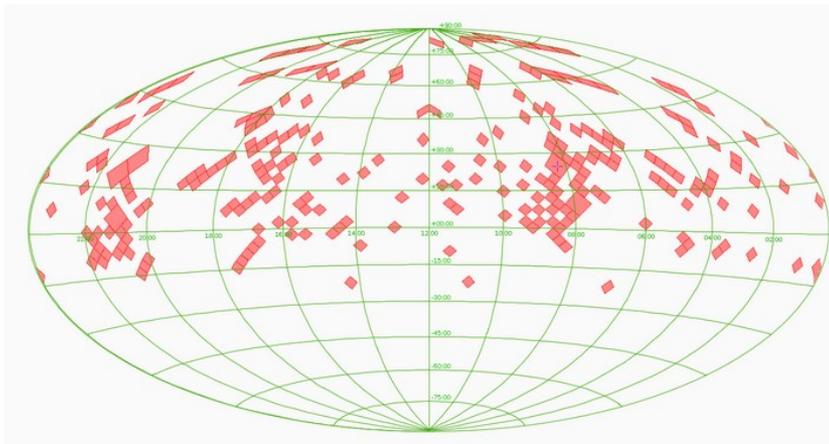
Coverage Map

AITOFF projection. Click to see an enlarged view.
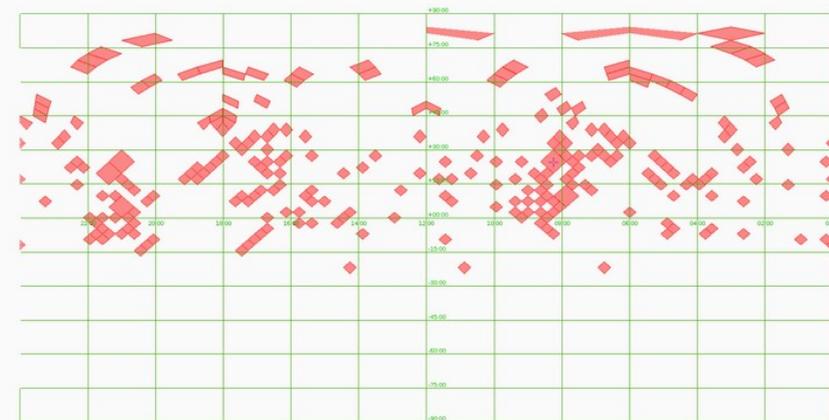
Cartesian projection. Click to see an enlarged view.

MOC resolution: 3.665° (max order=4)

- Download MOC fits file

Archivo / repositorio de datos.

The SVO hot subdwarf archive

Home | Data retrieval | News | Documentation | Coverage | Credits | Help-Desk

Documentation

- **Web access:** The archive system implements a very simple search interface that permits queries by coordinates and radius. A selection of the astrometric, photometric and physical parameters to be displayed in the table of results can also be done. The default search radius is set to 5 arcsec. The user can also select the maximum number of sources to return (with values from 10 to unlimited).

  The result of the query is a HTML table with all the sources found in the archive within the requested radius. Detailed information on the output fields can be obtained placing the mouse over the name of the column. The archive implements the SAMP (Simple Application Messaging Protocol). SAMP allows Virtual Observatory applications to communicate with each other in a seamless and transparent way for the user. This way, the results of a query can be easily transferred to other VO applications.

  The archive contains both candidates and spectroscopically confirmed hot subdwarfs. Confirmed hot subdwarfs are those with an entry in the MK_like_class column.

- **Frequently Asked Questions**
  - How to make a query by objId/SDSS_name/Teff/Fit_flag/Excess?
    - Click "Reset".
    - Tick "Don't use coordinates as search criterion".
    - Fill in the appropriate boxes in the "additional search fields".
  - How to download the tables included in the paper Pérez-Fernández et al. (2015)?
    - Just click on the corresponding link in the "Data retrieval" page.