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OAG-SVO Star Analyser Spectroscopic Data Base SASDABA Pro-Am Project

Updated News n^o4: December 2020

Dear colleagues,

SASDABA project (**Star Analyser Spectroscopic Data Base**) is a set of spectroscopic images of about 2000 bright stars from both hemispheres developed by the Pro-Am team located in [Virtual Spanish Observatory](#) (CSIC-CAB-INTA) and [Garraf Astronomical Observatory](#) (OAG), Spain. Its goal is to provide original data for basic spectroscopic studies while accessing the original observations. Many students, teachers and amateur astronomers can find here interesting applications for their academic work. We can freely use all the observations same as if we were observing with a telescope.

Currently (December, 2020) SASDABA has 2.400+ observations for 1.200+ bright stars with declinations between + 90° and -30°. The total nights observation are 193, the files accumulated in are 6,288 with a total of 110GB of data. Currently active observers are *R. Castillo, D. Cejudo, J.M^a.Fernández, V.Mateos, M.Rodríguez, J.J.Pueyo and T. Tobal* for the Northern Hemisphere. The AAQ (Queensland, Australia) has set up a team of observers composed by D. O'Driscoll, S.Keer, C. Ryan and J.West (coordinator). By collaborating with the AAQ team, the project will cover both hemispheres. This is great news for the purposes of SASDABA Project. *J.Cairol* is conducting educational sessions and the dissemination of the project in Australia and *R. Hernandez* supports in its calculation and documentation. The Spanish Virtual Observatory team is coordinated by *E.Solano* and *A.García* (from November 2020). The OAG Team would like to thank to *J.M. Alacid* for the designing and updating the SASDABA on-line interface and data base, between March 2018 and October 2020.

We are looking for collaborators willing to get their own images. The standard recommended instrument is a telescope with diameter between 200 and 300 mm, with a Star Analyser 100-200 L/mm diffraction net (or similar). The observer will determine the dispersion (Å/pix) during the project. SASDABA is not designed to become a miscellaneous collection of observations, but a homogenous data base. We will be incorporating images obtained with Alpy600, DADOS or similar spectrographs. The next SASDABA online update is scheduled for February-March 2021.

Coordinators will provide the cartography (from photographic Harvard Plates) of the region of the sky to be observed by the observer, so we can maximize efforts and avoid unnecessary repetition.

They will help and answer any questions about the method and technique to those that are starting this sort of observations. The project is having big spreading and a net of observers covering both hemispheres is emerging. The attached document ([SASDABA_Readme v5](#)) has a detailed description of the project. A new updated version of our Readme v5 is in process.

Please do not hesitate to contact us if you wish to receive further information, or collaborate with the project, any new insights are much appreciated.

Coordination contact: informacioag@gmail.net

Web SVO-SASDABA: <https://sdc.cab.inta-csic.es/sasdaba/>

Web OAG: www.oagarraf.net



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OAG-SVO Star Analyser
Spectroscopic Data Base
(SASDABA)



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