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

Updated News nº3: November 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 and teachers 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 (November 1, 2020) SASDABA has 2.250 observations for 1.150 bright stars with declinations between + 90° and -30°. The total files accumulated in the project are 4,928, with a total of 92GB. Currently active observers are T. Tobal (154 nights), D. Cejudo (8 nights), R. Castillo (3 nights) and M. Rodríguez (3 nights). J.Cairol is conducting didactic sessions in Brisbane (AUS) and R. Hernandez gives calculation and documentation support. The SVO team coordinated by E.Solano and J.M. Alacid has updated the on-line interface and data base of SASDABA.

We are looking for collaborators willing to get their own images (.avi, .fits +txt info) for stars with declinations between -15° and -90°. 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). SASDABA is not designed to become a miscellaneous collection of observations, but an homogenous data base. It is advisable not to constantly modify the instrument configuration during the project. We will be incorporating images obtained with Alpy600, DADOS or similar spectrographs to SASDABA Project.

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: informaciooag@gmail.net

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

Web OAG: www.oagarraf.net



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Spectroscopic Data Base
(SASDABA)



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