



Pro-Am Collaboration in Greece, in Solar Research.

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Abstract

The last five years there is a continuing advance in the Greek community on Solar Physics and Solar Observing techniques. In the spirit of collaboration between the Amateurs and the Professional Astronomers, there has been made two groups in order to cover as much as possible in the Solar Activity monitoring. For this reason the groups, "Elizabeth Observatory of Athens" and "H.E.L.I.O.S." (Hellenic Eclipse Laboratory for Imaging and Observing the Sun) are now contributing the Greek Professional Astronomers with scientific data on Solar Chromosphere and Solar Corona. E.O.A. is a fully functional observatory held by amateur astronomer Iakovos Strikis and provides daily images of the major chromospheric phenomena of the Sun in H α and CaK II lines, and also high resolution images of the Sunspots. H.E.L.I.O.S. group is a collaboration between amateur astronomers and students of the Physics department of the National and Kapodistrian University of Athens. The group is following the Total Solar Eclipses, doing high resolution images of the white light Corona and also high resolution spectroscopic measurements of the Chromospheric spectrum, the Transition region spectrum and Corona spectrum, in order to document the Coronal activity during each solar cycle.