
Results from the ESPaDOnS Component

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Abstract

The ESPaDOnS component of the BRITe spectropolarimetric survey has been allocated a total of 56 hrs over the course of several observing semesters. The sample consists of 120 targets located within a declination range of -45 to -20 degrees. These stars range in spectral type from M4 to O4 and represent a diversity of evolutionary states from main sequence dwarfs to evolved supergiants. The total sample is approximately evenly divided in terms of temperature with 53% belonging to spectral classes hotter than F5. Currently, we have obtained observations for 88 stars rendering the ESPaDOnS component 73% complete. In this presentation, the most current results of the survey will be summarized including the total number of magnetic field detections obtained along with the overall quality of the observations. Our recommendations for high priority targets to be observed by BRITe – based on both magnetic and non-magnetic properties that have been discovered – will be discussed.

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