



## **Magnesium II Index: Thirty Five Years and Counting**

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The Magnesium II index has been continuously measured by a variety of instruments since 1978. It is a widely used proxy for solar activity, particularly for ultraviolet variability which is critical for the chemistry and dynamics of the upper atmosphere. Combining the measurements from instruments with different spectral resolution, observing cadence, and calibrations is not a trivial task. We will present the most recent composite of this critical proxy for solar activity extending thirty five years into the past. We will also describe the upcoming instruments that will continue this record into the future.