

The Magnesium II Index: Continuing Progress on the Facular Proxy in the GOES-R Era

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The Magnesium II core-to-wing ratio is an important proxy for solar magnetic activity, and it has been measured on a daily basis since 1978. The newest set of measurements are from the Extreme ultraviolet and X-ray Irradiance Sensors (EXIS) on the GOES-R series. The first EXIS was launched in late 2016 and will become operational later this year. The new measurement is at 3 second cadence and very high signal-to-noise ratio. This poster will show the capabilities of the new series of instruments and some initial results.