

***The EUV and X-ray Irradiance Sensors (EXIS): GOES-R and Beyond!***

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The Laboratory for Atmospheric and Space Physics (LASP) is delivering four instrument packages to NOAA for inclusion on the GOES-R series of spacecraft. These instruments will provide measurements of soft X-rays and three bands in the ultraviolet. The three channels of the Extreme Ultraviolet Sensor (EUVS) will include coronal emissions (Fe XV at 28.4 nm), transition region (HI Lyman alpha at 121.6 nm), and the Mg II index at 280 nm. These three channels will be used to create a proxy model that covers the 5 to 127 nm range. This operational model will be produced on a 30 second time cadence and will be available to the public in near real time. In this talk I will describe the measurements that will be used to create this proxy model.