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Poster
EUV CME and Coronal Connectivity Observatory (ECCCO) is a proposed NASA Heliophysics SMEX mission currently in Phase A. ECCCO will take EUV observations to the next level, providing for the first time dedicated, global spectral and imaging measurements of the Middle Corona (1.5–3 Rs), a previously underexplored part of the solar atmosphere. The ECCCO imager naturally complements the GOES Solar Ultraviolet Imagers, extending their FOV in overlapping passbands to meet the the CCor FOV. The QuickECCCO Science Enhancement Option delivers low-latency ECCCO observations to NOAA’s Space Weather Prediction Center to improve flare and eruption tracking, refine arrival time and impact forecasts for energetic solar events, and track shock structures associated with solar energetic particles, which lack strong forecast constraints. An additional Research-to-Operations activity will generate 3D reconstructions to drive the development of forecasts of eruption and flare onset.

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