

## **Multi-temperature full Sun EUV images of the corona from EIS/HINODE**

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**Abstract.** We present the first full Sun images from the Extreme-ultraviolet Imaging Spectrometer (EIS) on board the Hinode satellite. The images are obtained in eight of the most spectrally pure lines in the EIS spectral range and span a range of temperatures from 0.05 to 2.5 MK. The composite full disk maps are the result of combining multiple pointing 40 slot images. The images are routinely obtained as part of the Hinode Operation Plan 130 “Multi-temperature Full Disk Slot Scans”. The objectives of this HOP are: to monitor the EIS calibration in direct comparison with the Extreme-ultraviolet Variability Experiment (EVE) to be flown on board the Solar Dynamics Observatory; to monitor the solar cycle dependent EUV radiance at multiple temperatures; and to provide the EIS instrument with public outreach imagery. A prototype of the SDO irradiance instrument has already been flown on a rocket and comparisons between the rocket data and the EIS mosaics suggest that the sensitivity of EIS is close to the pre-launch calibration.