Variations of Near-UV and Visual Solar Spectral Irradiance as Measured by VIRGO/SOHO and PREMOS/Picard

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In Wehrli et al. (A&A 556, L3 2013) we have presented evidence that annual averages of the VIRGO filter radiometer data in the 402 nm and 862 nm channels are weakly negative correlated with Total Solar Irradiance, but with little statistical significance. At 500 nm the annual spectral data are significantly positively correlated with TSI. The persisting positive correlation at 500 nm is in contradiction to the SIM results as presented in Harder et al. (2009). In this presentation in addition, we will also compare the PREMOS/PICARD filter radiometer data to the SIM measurements.