

The Solar Radiation Physical Modeling System

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The Solar Radiation Physical Modeling (SRPM) system contains a set of software tools, atomic data, and models of the solar atmosphere that are used with images of the solar disk permit to infer the daily solar irradiance spectrum at very high resolution ($\lambda/\Delta\lambda$). These data will be produced for the length of the SORCE mission and compared with the observations from SORCE instruments to provide validation and improvements to the generation of the daily synthetic spectral irradiance, to complement the lower resolution SORCE data, and to cover spectral ranges not available from SORCE instruments.