
The SIDC Space Weather Application Pilot Project: quality control of space weather forecasts

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GENERAL SETTING

The 'Solar Influences Data analysis Center', SIDC has built an extended research and service center concerning solar activity and space weather monitoring. We reach industrial, commercial, scientific entities, amateur associations, as well as the general public.

In the framework of the ESA Space Weather Applications Pilot Project (SWAPP, since 2003), we enlarged our list of services with several products.

We guarantee a daily forecast and alert service in case of disturbed space weather conditions. Beside this 24 hour, 7 days a week service, we offer a monthly sunspot bulletin and quarterly SIDC news.

See poster by R. Van der Linden at this conference for a general overview of SWAPP

This poster: QUALITY CONTROL

The evaluation of our forecast is an important activity as it gives information about the capability and limitations. This quality control serves as a basis to adapt and sharpen our forecasting methods in order to offer a useful and effective service to our clients.

We present here some statistics and verification indices used to evaluate our flare forecast, 10cm flux and geomagnetic disturbance predictions and compare with other prediction methods.

