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## Abstract

The UAH-Space Weather Service at <http://www.spaceweather.es/> has been developed based on the scientific models published recently in international journals by researchers of the UAH. The service offers a warning of severe geomagnetic disturbances from solar wind data through the UAH-SW Monitor. It also provides an estimation of the time remaining for the magnetosphere to recover quiet time conditions. The service is available free of charge 24 hours a day, 365 days a year, both, on-line and by email after subscription by signing up for space weather alerts.

### Forecasting of storms

From ACE spacecraft at L1 point, and only with Bz data, a warning of geoeffective disturbance is made based on the model by E. Saiz, C. Cid and Y. Cerrato (*Ann. Geophys.*, 2008) at least 30 minutes in advance

LAST DATA FROM MAG/ACE: 10 Nov 2003 at 07:11 (UT)

Real time data just 5-15 minutes old is the source of the prediction.

New data computed every minute.

### Alert information by e-mail

Receive a prediction of geoeffective storms and recovery phase information by email.

TO RECEIVE REAL-TIME ALERTS FILL IN THE INFORMATION BELOW .

Name:

Institution Name:

E-mail:

Just fill in the information and click 'Submit' and you will receive the information before the storm happens.

### Recovery Phase Predictions

After a storm has taken place, a prediction of the magnetosphere recovery is made based on the hyperbolic model of J. Aguado et al. (*J. Geophys. Res.*, 2010)

Sequence showing how the Dst index is forecasted for the recovery phase as the main phase evolves

Real data vs. Prediction made 5 days before at peak moment