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- 1. Space weather predictive tool development
- 2. 'Black box' prototype development

Funded by Tsunami initiative – DTI with major London-based satellite insurers



MSSL

ESTEC space weather workshop, 18 December 2001

1. Space weather predictions

- Predictions of 'killer' electron environment
- Based on upstream solar wind conditions
- STRV, CRRES data (lles et al, this study) and studies by others (e.g. Blake et al, Li et al) have shown links between solar wind and MeV electrons
- Here we extend to anomalies
- Depends on current values and recent history, corresponds to event initiation and build-up of fluxes
- Used solar wind data from known events for testing, on-line predictions use real time data to provide warnings for next 24-48 hours

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