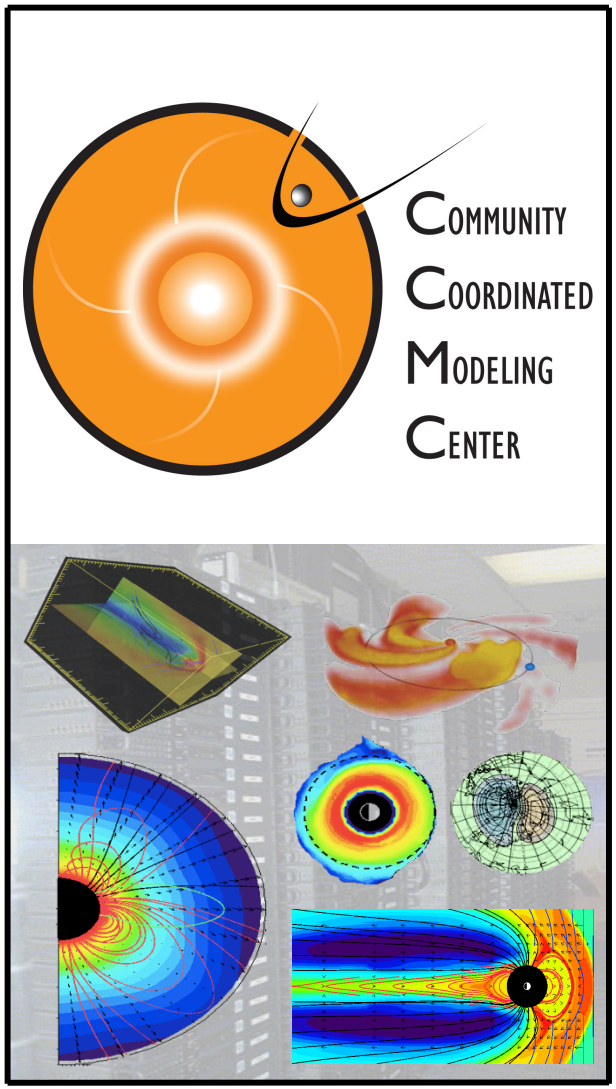
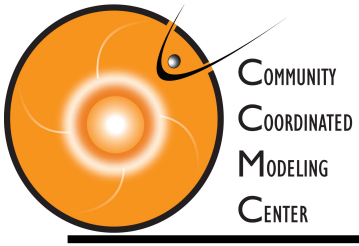


Tools for Space Weather Forecasters Training

A. Pulkkinen

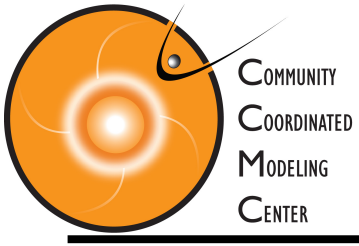
http://ccmc.gsfc.nasa.gov

NASA Goddard Space Flight Center



Contents

- CCMC runs-on-request system.
- Integrated Space Weather Analysis (iSWA) system.
- Library of online tutorials and other material.

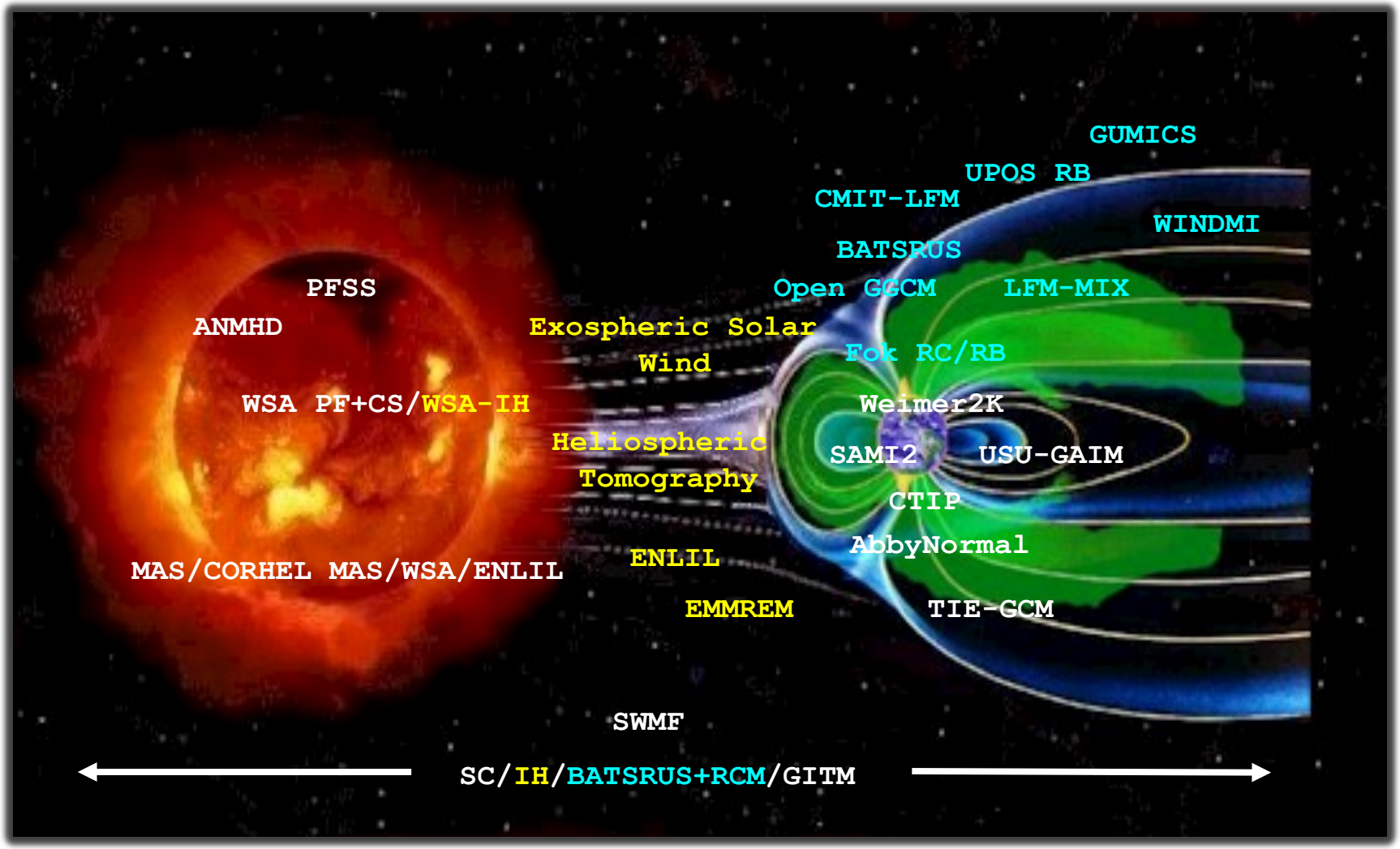


CCMC runs-on-request system

• The system is ideal for introducing new forecasters to a great collection of state-of-the-art space weather models:

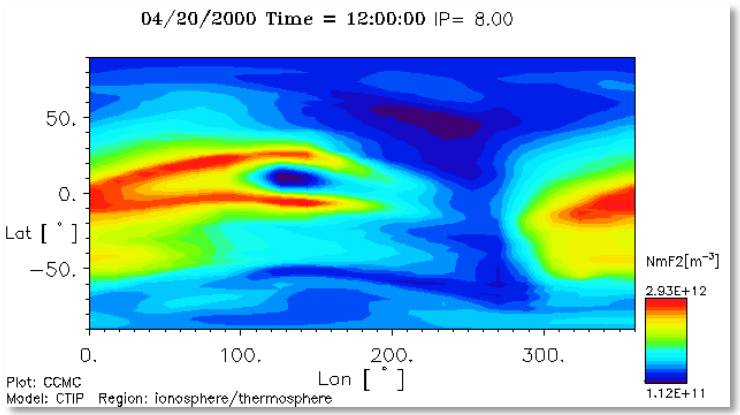
COMMUNITY COORDINATED MODELING CENTER

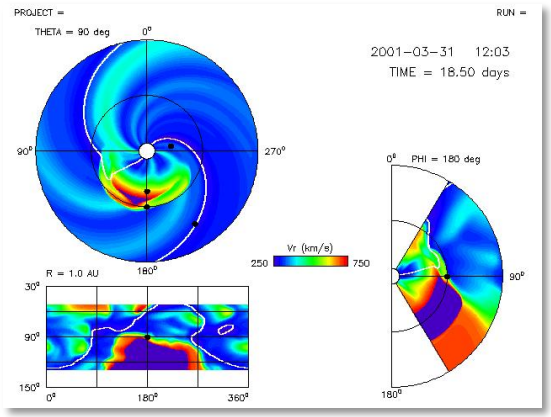
CCMC runs-on-request system

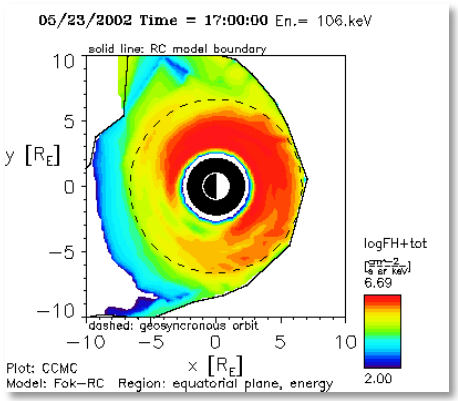


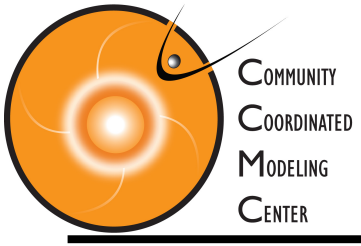
CCMC runs-on-request system

- The system is ideal for introducing new forecasters to a great collection of state-of-the-art space weather models:
  - Hands-on illustration of model characteristics (domain, physical parameters etc).
  - Hands-on “sandbox” experimentation with the models. For example, launching CMEs into heliospheric models.





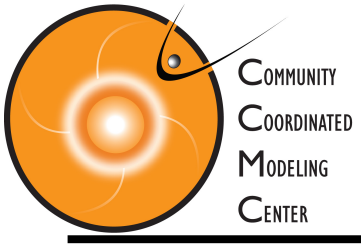




iSWA

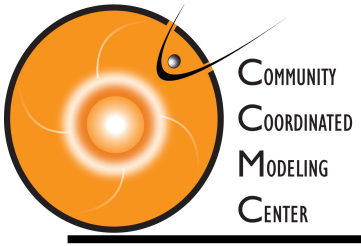
- iSWA's substantial collection of observational and model-based products transformative tool for forecaster training:
  - Tool for introducing space weather-relevant physical concepts (see online tutorials).
  - Forecaster training using real-time data flows. Immediate access to operational environment.
  - Forecaster training using historical events.

[Case study – 2011-08-03 15:30Z]



Library of online educational material

- Educational material at ccmc.gsfc.nasa.gov.
- Online tutorials via iSWA. (in collaboration with AFWA and CUA)



Summary

- CCMC runs-on-request system.
- Integrated Space Weather Analysis (iSWA) system.
- Library of online tutorials and other material.

Let us know about your SWx forecaster training needs.