Fast Track WSA-ENLIL + Cone model runs

2014-06-04
Outline

• CCMC Runs on Request System

• Submitting your FastTrack ENLIL+Cone model run

• Analysing your simulation results

• FastTrack DEMO and hands-on practice
CCMC Runs on Request systems allows anyone to run space weather models hosted at the CCMC. There are over 30 models available for Runs on Request at:

http://ccmc.gsfc.nasa.gov
Submitting FastTrack ENLIL request

Submission for ENLIL with Cone Model requests
Click on a link below to select how you would like to submit your request:

- Regular run submission
- Fast Track run submission
FastTrack run submission (cont.)

Provide:

• your contact information,

• Run Number (you can submit a limited number of runs per day and they will be distinguished by this number)

• the number of CMEs in your simulation (limit 5)

[Form interface with fields for contact information, run number, and CME count, underlined text indicating a limit of 5 CMEs allowed]
Enter CME parameters (e.g., parameters derived in a StereoCAT session):

**CME # 1:**

- CME Detection Date/Time: 2014-06-04 (YYYY-MM-DD) 03:45
- Date/Time at 21.5 Rs: 2014-06-04 (YYYY-MM-DD) 10:15
- Velocity: 1200
- Latitude: 12
- Longitude: 30
- Half Angle: 45

SUBMIT Run
Enter CME parameters (e.g., parameters derived in a StereoCAT session):

Run results are usually ready in 40 mins (for events within the last 3 months)
Run completion notification emails contain:

- Estimate of the CME arrival at Earth
- Estimate of the CME arrival at planets (and satellites)
- Link to the run results available on the CCMC website
The link in the run notification email will take you to your run results page on the CCMC website.
## FastTrack DEMO and practice

<table>
<thead>
<tr>
<th>DEMO</th>
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<tbody>
<tr>
<td>iSWA layout for FastTrack DEMO CME (2014-04-06T09:48)</td>
</tr>
<tr>
<td><a href="http://1.usa.gov/SrNzgD">http://1.usa.gov/SrNzgD</a></td>
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<tr>
<td>Sample saved StereoCAT session for this event:</td>
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<tr>
<td><a href="http://1.usa.gov/1hZlHqJ">http://1.usa.gov/1hZlHqJ</a></td>
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<tr>
<th>PRACTICE</th>
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<tbody>
<tr>
<td>iSWA layout for FastTrack practice CME (2014-05-07T16:36)</td>
</tr>
<tr>
<td><a href="http://1.usa.gov/1mP4Idv">http://1.usa.gov/1mP4Idv</a></td>
</tr>
<tr>
<td>To submit a FastTrack run go to the CCMC website:</td>
</tr>
<tr>
<td>click on Request A Run tab; find ENLIL with Cone model and click Request A Run button; then select FastTrack submission</td>
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