



StereoCAT

Stereo CME Analysis Tool
<http://ccmc.gsfc.nasa.gov/analysis/stereo/>



The Stereo CME Analysis Tool (StereoCAT) is an online tool available worldwide that enables space weather forecasters and researchers to quickly calculate CME kinematic properties. With a few mouse clicks, StereoCAT uses triangulation of spacecraft data to determine the 3D kinematic properties of CMEs.

The derived CME parameters can be utilized as input for a broad range of CME propagation models. For example, CCMC Runs-on-Request users can use StereoCAT to generate input parameters for WSA-ENLIL+Cone model. This model now has a new Fast Track Submission option which enables real-time CME arrival predictions. Together, StereoCAT and WSA-ENLIL Cone Fast Track is an innovative solution to engage the world-wide community in real-time forecasting methods validation.

StereoCAT Highlights

- Determine CME speed, and direction by triangulation using multiple spacecraft (STEREO A, B, and SOHO)
- Create CME height-time measurements ("frameseries range")
- Create an ensemble of CME measurements
- Save your entire measurement session and easily share with others

Quick start instructions:

Select the date/time of interest, click on the spacecraft name you would like to use (up to two), then click the measurement tab to measure the CME using the handles, then click results. For more instructions click the "Manual" tab.

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