

Early Results from the 2005 CDAW Workshop on "CMEs, ICMEs and Geomagnetic Storms"

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From 14-16 March, 2005 a diverse group of scientists gathered for the Living With a Star Coordinated Data Analysis Workshop (CDAW) on CMEs, ICMEs and Geomagnetic Storms. The workshop was hosted by George Mason University in Fairfax, VA in the United States. Previous LWS CDAWs have focused on solar energetic particles and energetic eruptions. This CDAW addressed questions related to CMEs, ICMEs, and their connections to geomagnetic and ionospheric storms. The focal point of the CDAW was be the set of all major ($DST < -100$) geomagnetic storms of cycle 23, a total of 77 events. The workshop attracted participants who contributed a wide range of data, data products, models, and analysis tools to achieve the scientific goals of the CDAW, as guided by four working groups: 1) Drivers of geomagnetic storms (CME and solar surface source region, CME/ICME relation); 2) Geomagnetic storm mechanisms (plasmasphere, ring current, radiation belts); 3) Ionospheric Storms; and 4) Prediction of geomagnetic storms.

The presentation will focus on the preliminary results from Working Group 1 of the CDAW, including a discussion of the solar and heliospheric sources of the 77 events. The data from CDAWs and the results produced during the CDAWs are available to the space science community for continued research at <http://cdaw.gsfc.nasa.gov/>