

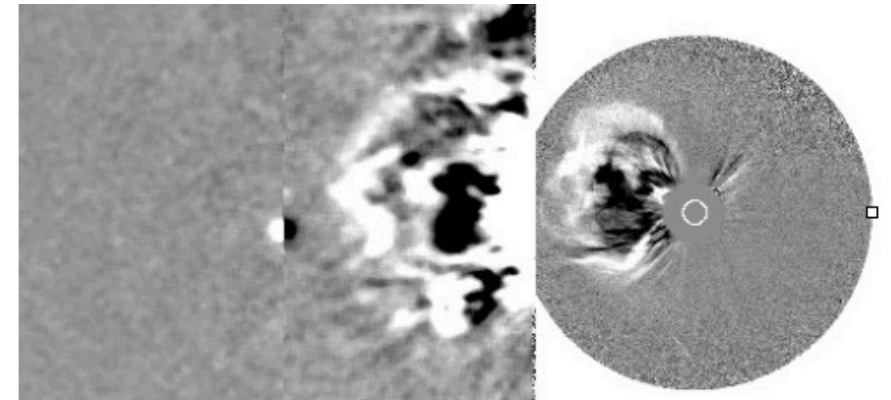
ISEST Working Group 1: data

Jie Zhang and Christian Möstl

WG1 Scientific Objectives



- **Identify** all Earth-Affecting ICMEs during the STEREO era (2007-today)
- **Track** these events from the Sun to the Earth, and fully measure, characterize and quantify their properties and evolution from the Sun to the Earth
- Provide a comprehensive event **database** for statistical study, for creating empirical evolution and prediction models, for theoretical understanding, and for comparing and validating numerical models

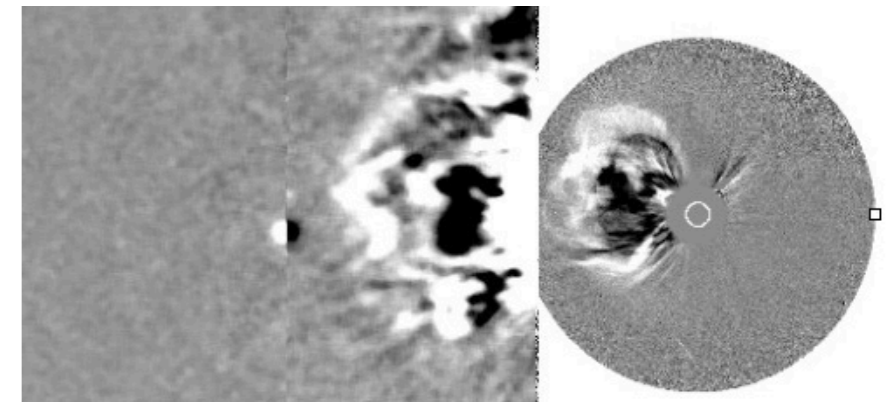


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WG1 summary of Hvar workshop

- In the **talks**, different models and data sources/catalogues were presented to understand in detail the parameters and models provided by the involved groups – i.e., **who does what?**
- We agreed on **how to use the wiki**: for discussions, and to upload and link data
- collected many **scientific questions** WG1 could try to address, in particular the cause and evolution of **stealth CMEs** and **problematic ICMEs** (some identified)
- **verified the master list**, cleaned the list, categorized the ICME events, added new events up to June 2013 (taken from MiniMax24 wiki)
- identified **campaign events with WG4**: a happy one (July 12-14 2012) + a surprising one (4-8 Oct 2012)
- asked WG2 and WG3 for **simulation and empirical modeling inputs** on campaign events
- collected **specific tasks for each group**, i.e. **who will do what?**



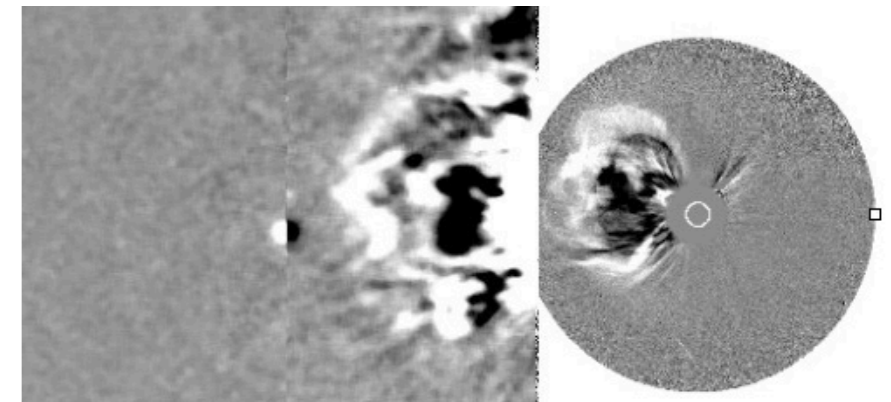
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WG1 Action items 1/2

Actions for the platform

- **Populate the event data pages** - various people and groups as stated in the list in the WG1 wiki
- **short term goals by August 31 2013:**
 1. **provide all data** for the 2 campaign events (12-14 July 2012, 4-8 October 2012) – for all groups
 2. this should be followed **by discussions** on the campaign events (on the respective "Event Data" pages) - possibly, interesting features and **first scientific results on the events** could emerge – for interested groups
 3. start using **outputs of the simulation group** (synthetic in situ and height-time data) for the campaign events – relevant mostly to groups who are working on in situ data and CME kinematics
 4. establish **connection to MiniMax24** – leaders of ISEST and MiniMax24



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WG1 Action items 2/2

- **long term goals (until next workshop, October 2014):**
 1. **add new events** to the "Event Data" list (all groups)
 2. **provide data on all events** in "Event Data" (all groups)
(special inputs for WG2/3 on source CME: width, speed, direction)
 3. zoom in on a few of the **scientific questions** participants want to tackle with the full event list and the campaign events
 4. identify all "stealth" (or "silent") and "problematic" CMEs/ICMEs?

Actions for the forum

- email updates (monthly)
- skype telecons (audio only) as necessary and/or every 6 months checking the action items
- 1st telecon: december 2013 (at least working group leaders)
- contact persons which could provide additional, needed inputs

