



FP7 HELCATS – VarSITI 2016 Meeting, Bulgaria WP8 Dissemination

chris.perry@stfc.ac.uk, nijin.thykkathu@stfc.ac.uk, arouillard@irap.omp.eu



Overview

- Aim of the dissemination activity WP8 is to support the other work packages and the project as a whole in getting the results of the HELCATS work to broader heliospheric community and other interested parties outside the project.
- Runs from month 1 to month 36
 - Five tasks
 - Eight formal deliverables
- The consortium web site and wiki are key resources for the dissemination activities.

Tasks

T8.1: To publish the results of the studies in the professional literature, and present them at major international science meetings.

- Support is available to cover page charges for publications directly resulting from the HELCATS work
- Please continue to provide updates to the list of publications both in progress and accepted (see Richard's request)
- The list of updates that have been compiled in preparation for this meeting will be placed on the website once current UK reporting restrictions have ended

Tasks

T8.2: To arrange annual, open meetings for the scientific community during the lifetime of the project.

Status:

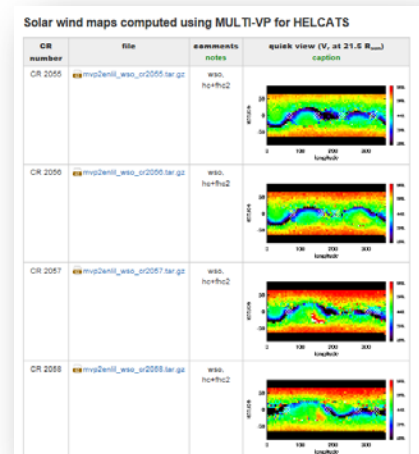
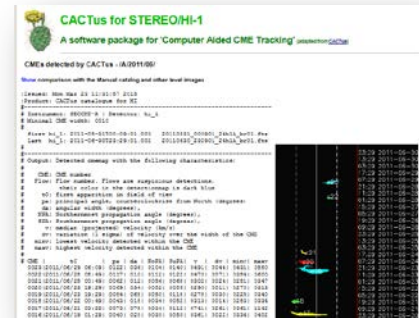
- Very successful first open workshop hosted Georg-August-University of Göttingen last year.
- Presentations are on the web site.
- This year's workshop is being held in conjunction with the VarSITI General Symposim to help broaden the visibility of the HELCATS project and outputs to a wider community.
- It is planned that presentations from the HELCATS dedicated session will be collected and placed on the project web site.

Tasks

T8.3: To install all relevant documents, catalogues, publications on the project website.

Status: (updates since last workshop)

- Draft release of V03 of the WP2 manually identified HI events and WP3 kinematic properties released in Dec/15
 - Preparing for the formal V03 release
 - Includes some minor updates to the WP3 catalogue
 - Fixes to the VOTable output following testing by VOParis
- A number of other catalogues/data are in preparation for inclusion on the web site soon
 - WP2 automatically identified HI CME (CACTus)
 - WP3 update to KINCAT to link to WP2/3 HI events
 - WP4 LINKCAT v1 linking HI to in-situ observations
 - WP5 small refinement of the CIR catalogue for S/C motion
 - WP6 source solar wind maps based on multi viewpoints



Tasks

T8.3: Continued....

- Graduate engineer (Nijin Thykkathu) developing an event information page which will collect together the catalogue information and related data plots and movies for a given event.
 - Using the WP3 kinematic catalogue as the basis for the event selection
 - Currently STEREO A and B events handled separately
 - (will be linked in future)
 - Event information from other catalogues will be extracted and displayed based on the common event ID
 - Designed to be extensible so new information can be added as it becomes linked into the system
 - Fairly early stage of development so ideas and suggestions welcome

Tasks

T8.3: Continued....

Event ID, time and manually identified characteristics

Kinematic properties from FP, SSE and HM geometric fits

HI movie of event



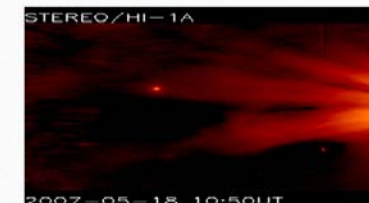
Event ID: HCME_A_20070516_01

EVENT INFORMATION

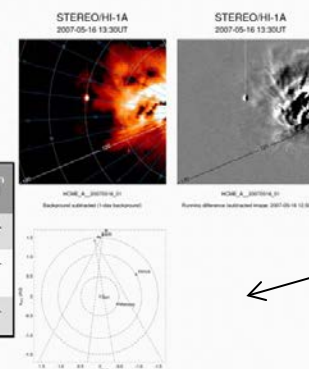
The date and time of the first observation of the CME in HI camera: 2007-05-16 09:30
 Observing STEREO spacecraft: A
 Indicator that CME extends beyond the northern edge of the field-of-view: <
 The most northern position angle of the CME span: 30
 Indicator that CME extends beyond the southern edge of the field-of-view:
 The most southern position angle of the CME span: 120
 Quality of the CME Observation: good
 Position angle used in the time-elongation fitting: 70

Types of Fitting	Longitude (deg)	Latitude (deg)	Speed (km/s)	Carrying on Longitude (deg)	Phi (deg)	Launch (UTC)
Fixed-Phi	-47	15	379+1	78	55+0	2007-05-15 14:38
Self-Similar Expansion	-54	16	385+1	68	61+0	2007-05-15 16:32
Harmonic-Mean	-61	17	394+2	61	66+1	2007-05-15 17:28

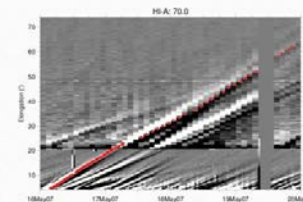
VIDEO



IMAGES



GRAPH



Background subtracted and difference images

STEREO location

J-Map

Tasks

T8.4: To integrate into relevant, established community facilities and websites, including the IRAP propagation tool, the AMDA data-mining tool, HELIO and the UKSSDC.

Status:

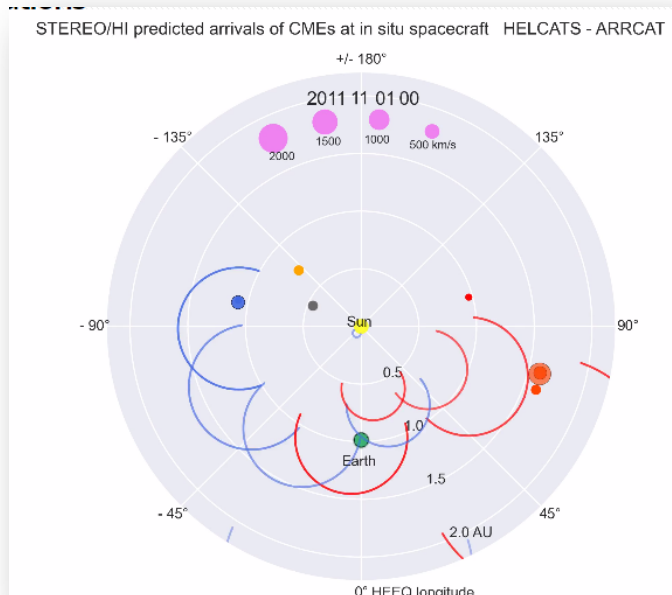
- Activity ongoing as stable versions of catalogues are now starting to be released
- For example the CDPP 3D View

Tasks

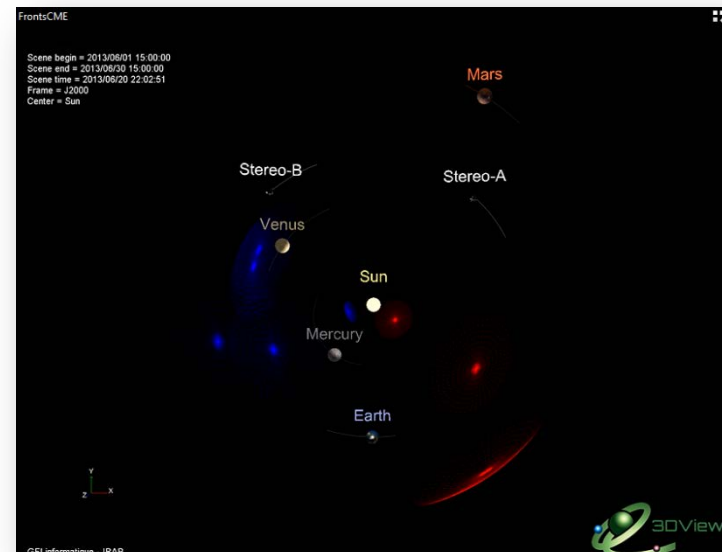
T8.5: To disseminate information and results to the public and policy makers.

Status:

- Some nice plots and animations are being produced - Thank You!
- Ideas for press releases and news items very welcome!
- Please keep them coming



Univ. Graz



CDPP

Deliverables

Work Package 8:

DISSEMINATION

Deliverable Number	Deliverable Title	Leader	Delivery Month
D8.1	<u>Publication in the professional scientific literature</u>	STFC	36
D8.2	<u>Annual open meetings</u>	STFC	36
D8.3	<u>Attendance/presentations at major science meetings</u>	STFC	36
D8.4	<u>Posting information on the website</u>	STFC	36
D8.5	Integration with community facilities and websites	STFC	36
D8.6	<u>Production of press releases, public talks</u>	STFC	36
D8.7	Integrate the J-map associated catalogues produced in HELCATS to the propagation tool	UPS	36
D8.8	Integrate Carrington Map associated catalogues in the propagation tool	UPS	36

Future Work

- The focus of work for the next six months
 - Ongoing formal release of completed versions of the WP catalogues
 - Release of the initial version of the interactive event information page
 - Generation of more publicity information in support of the project as a whole and for specific activities such as key WP publications