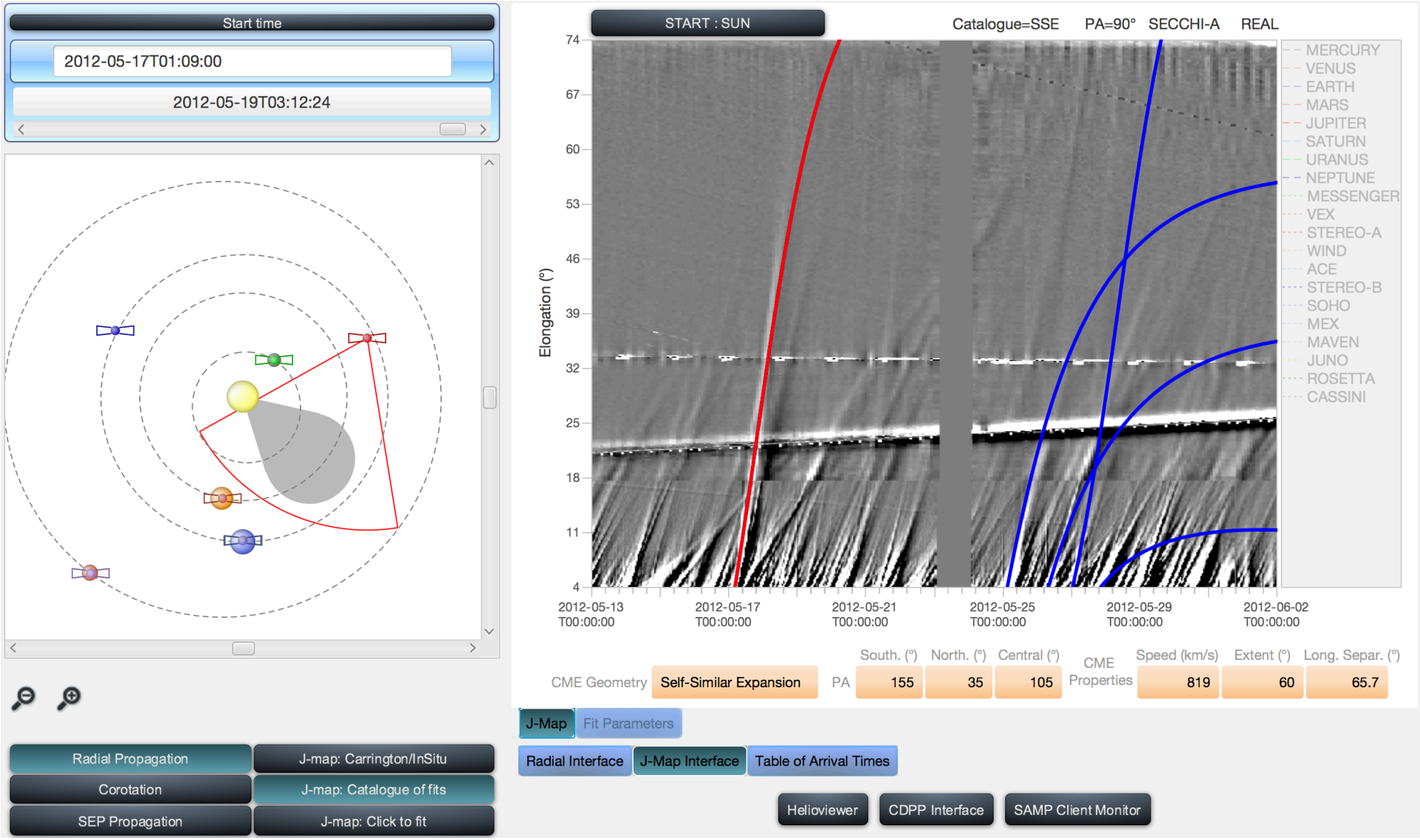
WP8 updates from UPS

1. Since the last meeting:

Integration of WP3 catalogue in the propagation tool

- with the updated catalogue derived from the fixed-phi method,

- modification of the propagation tool to include the SSE technique,


Start time
2012-05-17T01:09:00
2012-05-19T03:12:24
START : SUN
Catalogue=SSE PA=90° SECCHI-A REAL
Elongation (°)
74
67
60
53
46
39
32
25
18
11
4
2012-05-13 T00:00:00
2012-05-17 T00:00:00
2012-05-21 T00:00:00
2012-05-25 T00:00:00
2012-05-29 T00:00:00
2012-06-02 T00:00:00
MERCURY
VENUS
EARTH
MARS
JUPITER
SATURN
URANUS
NEPTUNE
MESSENGER
VEX
STEREO-A
WIND
ACE
STEREO-B
SOHO
MEX
MAVEN
JUNO
ROSETTA
CASSINI
CME Geometry
Self-Similar Expansion
PA
South. (°)
North. (°)
Central (°)
155
35
105
CME Properties
Speed (km/s)
Extent (°)
Long. Separ. (°)
819
60
65.7
J-Map
Fit Parameters
Radial Interface
J-Map Interface
Table of Arrival Times
Helioviewer
CDPP Interface
SAMP Client Monitor
Radial Propagation
Corotation
SEP Propagation
J-map: Carrington/InSitu
J-map: Catalogue of fits
J-map: Click to fit

2. Talks and school lectures:

- Solar Wind 13, IUGG, SWW

- including the L'Acquila space physics summer school: 30 PhDs and postdocs with a dedicated hands-on experience using HELCATS website and the propagation tool,

Presentation of the HELCATS website and catalogues at the HESPERIA 6-month reporting meeting (Barcelona, Oct. 2015).

HESPERIA will produce two novel operational forecasting tools based upon proven concepts (UMASEP, REIeASE). At the same time it will advance our understanding of the physical mechanisms that result into high-energy solar particle events (SEPs) exploiting novel datasets (FERMI/LAT/GBM; PAMELA; AMS) and it will explore the possibility to incorporate the derived results into future innovative space weather services. In order to achieve these goals **HESPERIA** will exploit already available large datasets stored into databases such as the Neutron Monitor Database (NMDB) and SEPServer that have been developed under FP7 projects from 2008 to 2013

The results will be openly accessible to the public through the dedicated web interface of **HESPERIA** and will further be posted in related servers such as NMDB and SEPServer.

The **HESPERIA** consortium consists of 9 partners with complementary expertise covering all aspects of the project. **HESPERIA** will also collaborate with a number of institutes and individuals from US and Russia, ensuring both the in depth analysis of the novel datasets to be utilized within the project and the efficient dissemination of the results to the whole space physics/space weather community.