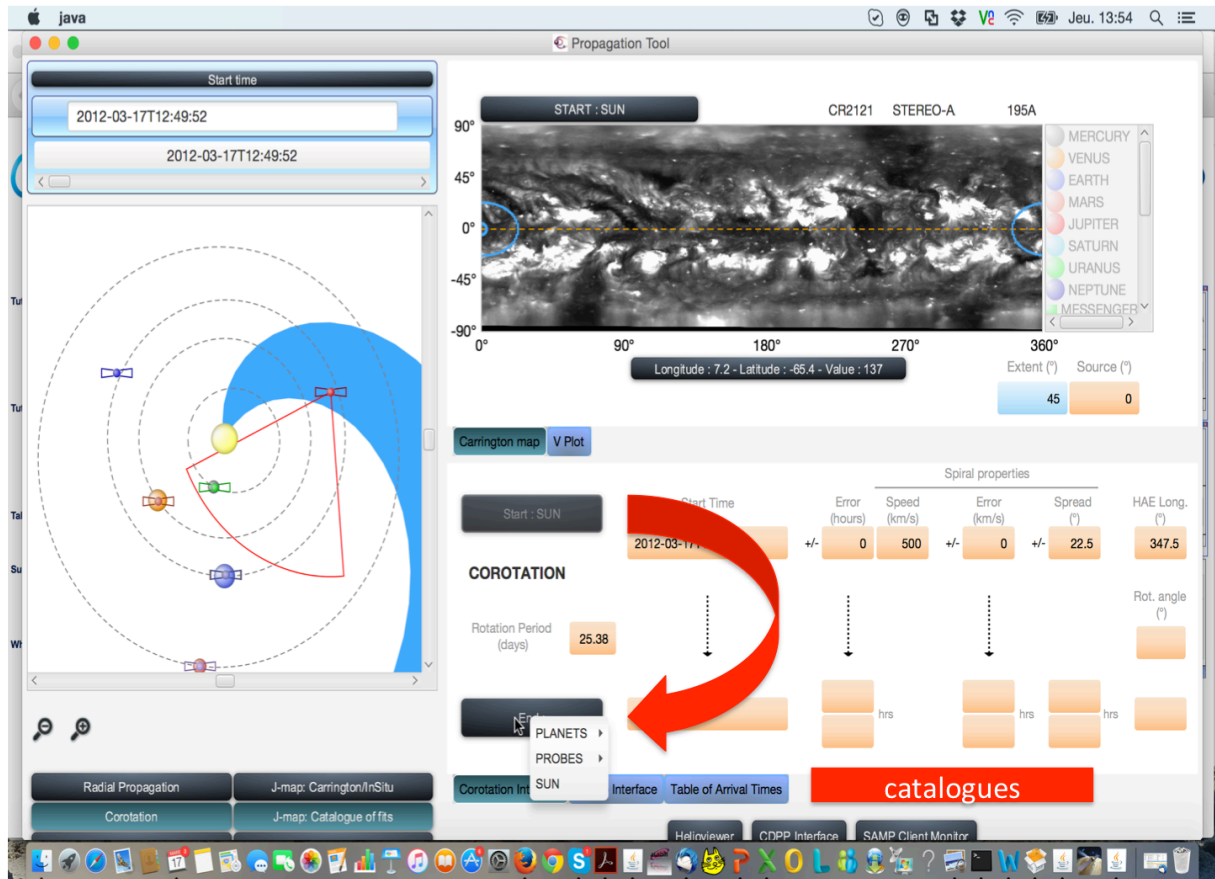


## 1. Catalogues in Prop Tool (new service):

2 types of catalogues :

- final ones
- real-time ones

For final ones : we will use those from HELCATS and we would like to develop a functionality to ingest and use them in the PropTool



From radial propagation or Corotation menus : for the moment it is possible to launch manually a CME or a CIR from a start point to an end point by defining a few of its properties, and see if it impacts various objects in the Solar system

For a prototype we aim at using HELCATS catalogues of CMEs / CIRs in order to launch automatically the search and identify which CME/CIR impacts which object and when, with the possibility to filter the results by planets.

The user should be able to upload a catalogue of CMEs/CIRs in a preformatted format (cf. HELCATs format) and then should obtain catalogues of arrival times (format to be defined) at various objects (user choice).

CDPP: deliver preformatted catalogues for CMEs/CIRs to the PropTool server

For real-time catalogues :

GFI: develop a listener that runs in batch (asynchronous) mode the radial propagation model (+additional models to be studied) already available in the PropTool for the input catalogues and

create output file with target/impact time information for each CME/CIR of the catalogue  
Inputs from HELCATS potentially useful (naming of catalogues, format etc)

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