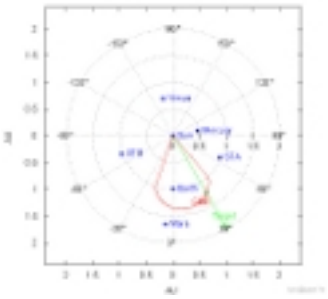
Written by Jaša Čalogović
Friday, 25 January 2013 18:21



The purpose of the basic form of the model is to provide a prediction of the arrival time and impact speed at the Earth. Calculations are based on the assumption that the dominant force in the heliospheric dynamics of ICMEs is the magnetohydrodynamical equivalent of the aerodynamic drag. For a given set of input parameters it provides the ICME Sun-Earth transit time, the arrival time, and the impact speed.
The new version of DBM now includes the advanced DBM which provides this output for any target in the heliosphere and takes into account also the shape of ICME employing the so-called cone-geometry. Plots showing the impact speed depending on the distance from the Sun (v-R) and CME geometry are added to the model outputs.

>> link to Drag-Based Model