



A tool for Space weather science: The Heliophysics Features Catalogue

Jean Aboudarham (1), Peter Gallagher (2), Robert D. Bentley (3), Andre' Csillaghy (4), and The HELIO Team ()

(1) Paris Observatory, CNRS, France (Jean.Aboudarham@obspm.fr), (2) Trinity College Dublin, Ireland, (3) MSSL/UCL, United Kingdom, (4) Intitute for 4D technologies, FHNW, Switzerland

In the frame of the European project HELIO, funded under EC's FP7, a Heliophysics Features Catalogue (HFC) has been developed. It is populated using automatic solar and heliospheric features detection codes. Currently, HFC holds descriptions of filaments, active regions and coronal holes, but other features - not only solar ones - will be added to HFC, and soon, several years of features descriptions will be available. From that, it will be possible to study the behavior of several kinds of signatures of the solar activity, and possibly look for correlations between them.