

ER-flow Application Description Template

Application Name: Find Data for Flare Events
Application domain: Heliophysics
Brief application description This workflow returns all the data available for the specified instruments that are relevant to the study of Solar Flares of the specified kind.
input data format GOES_Max Top limit for GOES X-ray flare class GOES_min Bottom limit of the Xray flare class date_start Start date where you want to find these particular flares date_stop End date for the range you are interested instruments List of instruments to which you hope the flares has been observed
output data format: Data_votable n-List of VOTables with m-VOTables inside, where n is the number of flares found, and m is the number of instrument requested. Flares VOTable with the properties of the flares for the query requested.
sample data: NA application http://www.myexperiment.org/workflows/3467.html documentation http://www.myexperiment.org/workflows/3467.html publication NA
Execution environment DCI: NA middleware: NA workflow system: TAVERNA 2
Execution characteristics data size (per unit, typical number of units): input NA temporary NA output NA processing time (per unit): NA memory usage: NA disk usage: NA
Target users Community, projects: (link) http://www.myexperiment.org/groups/101.html number of users: 1-10
Usage scenario for workflow in ER-FLOW Single Workflow for end user to be invoked either through the Shiwa Simulation Platform or through specific User Interface or ASM.
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