

Meteoroid Orbit Database Review

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Summary

This is a very useful dataset with extensive parameter values for meteoroid streams.
I had no problems opening the tables in the PDS4Viewer.
I consider this data set certified.
Documentation and labels need to be expanded.

Documentation

Overview.txt: suggestion, use a more succinct title.
This reads more like an abstract.
More information is needed about what the tables provide.
Mention or describe how the parameters in the tables were derived, or refer to a paper.
The descriptions in the tables themselves seem sufficient, and the readme.pdf does not seem to add any extra information.
However, if the readme.pdf is kept, mention the references in the overview.txt (under 'References')
The context objects are comprehensive. Add 'Instruments' to the title of uwo_meteor_radar.cmor.cmor_inst.txt

Data

data.csv all:
data_type for number should be integer
Date of event ---> UT date of event
describe what the acceleration parameter is, either in the description or in the overview.txt. The unit is km/s, which is a velocity
max_mv: zero is given in irradiance, while max_mv is magnitude. Please clarify.
stations: clarify what e.g. __000802_000323 means? Is it camera number 000802 and 000323? If so, please use commas
shower-id & component-id: please clarify whether 0 is really the shower-id or if it is a missing constant
pairs_flag: clarify what a flag=0 means, or that it is a missing constant
missing constants are often specified in the label & table but are not used in the table columns. Omit them if not used.
data.xml: transfer the descriptions from the data.csv to the data.xml as they are more comprehensive (and will be consistent with each other).