

Meteor Showers Review

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Summary

This is a great compilation of meteor shower data.
I had no problems opening the tables in the PDS4Viewer.
I consider this dataset not certified.
I have concerns that this data set, including parameter definitions and methodology descriptions are based on a book that is not open access.
Descriptions in the table/labels are often insufficient.

Documentation

Overview.txt: A little introduction is needed before launching into details.
The text mentions 'reference above'. However, no reference is provided in the text.
Some details about the parameters in the table are provided and methodologies and techniques are referred to Chapter 2. As not all users will have access to the book, a summary of Chapter 2 should be provided as a minimum.

readme.pdf: this does not really more information to the dataset, and it is not clear why it is provided.

The context objects are comprehensive. Add 'Instruments' to the title of uwo_meteor_radar.cmor.cmor_inst.txt

Data

data.csv: missing constants are often specified in the label & table but are not used in the table columns. Omit them if not used.

Level of certainty in parent body identification: specify in the description what 1, 0.5 or 0 means.

video_peak_sollong: the description is confusing. I assume it means peak activity at solar longitude.

video_ra_drift [dec] [lambda] [beta] [i] [w] [node] [pi]: the unit should just be degree

video_vg_drift: unit should just be km/s

video_q_uncertainty [pi]: observed one s dispersion: I presume it is one sigma dispersion

video_q_drift: unit should just be AU

video_chi: explain what a magnitude distribution index is

video_s: explain what a mass distribution index is

video_fragile_flag: description is cut off.

video_source_video: explain the entries (what is C, V?)

the same applies to radar_

orbit_type_a_group: flag=1 if a=0.86 and i=65?

orbit_type_lpc_pi_drift: define anomalous & aMo cluster

orbit_type_attack_angle: what is Earth Vh

activity_sumnmpm_video [visual]: define N(m) and P(m)

lightcurve_f_type: define F-value shape
lightcurve_a1: define deceleration value a1
lightcurve_a2: define deceleration value a2
summary_n_: define types (Ia, II, IIb, IV)

data.xml: Science Facet is not Spectroscopy and should be changed to a more appropriate term.