ESSDD

Interactive
comment

Interactive comment on "Two months of disdrometer data in the Paris area" *by* Auguste Gires et al.

Anonymous Referee #1

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The manuscript presents a dataset of drop sizes and velocity for precipitation collected by three disdrometers in January and February 2016 in the Paris area. Additional information about the temperature is also included. The measuring principles of the two types of disdrometers used in this study are described as well as the set-up and the provided datasets. Along with the data, a set of python routines is provided and briefly described for easy data usage. Unfortunately, I wasn't able to test those scripts because it requires python3.

The manuscript fits in the scope of ESSD, but some issues need to be addressed. I recommend taking the following suggestions and comments into account:

1. The authors present a dataset for January and February 2016 obtained in the framework of TARANIS. This is a rather limited dataset of only two month. The authors cite

their article Gires et al. (2017b) in which they use another two month data set from May and June 2016 also obtained in the framework of TARANIS with the same set-up. Therefore, it seems that there is an actual dataset of at least 6 month. Is there a reason, why the authors only provide the data for January and February 2016 in this manuscript and not the whole dataset? According to Gires et al. (2017b) there was a lot of precipitation in May and June 2016 in the Paris area, which makes this dataset even more interesting. I would suggest providing the whole dataset.

2. The links in the html files (Calender_Carnot_1.html, Calender_R_30_sec_Carnot_1.html and Calender_R_5_min_Carnot_1.html) didn't work for me. When clicking on a specific date, an error message appeared stating that the file could not be found. Please check the links!

3. In the introduction the authors describe very briefly for which type of studies the dataset could be useful. I would recommend adding a section at the end of the manuscript that describes the usefulness of the dataset and possibilities for its application in more detail.

Specific comments:

- P.1, L.3: disdrometers measurements –> disdrometer measurements

- P.1, L.8: along with more aggregated one such rain rate –> along with more aggregated ones such as rain rate

- P.1, L.20: such the 2D Video –> such as the 2D Video

- P.2, L.2: equivolimic –> equivolumic

- P.2, L.21: that do not work on the same principle –> operating on different principles

- P.2, L.30: is not the same –> is different

- P.3, L.5: Actually authors found possible –> Actually the authors could

- P.3, L.11: devices –> device

- P.3, L.11: by authors –> by the authors

- P.3, L.18: maide –> made

- P.3, L.25: access the raw data –> access to the raw data

- P.3, L.30: This sentence is confusing. Please rephrase it.

- P.4, L.3: so it user are –> so the users are

- P.4, L.5: What is the resolution of the PWS100 temperature observations?

- P.4, L.8: the the –> the

- P.4, L.20: total depth are –> total depths are

- P.4, L.22: West from disdrometer . . . South from disdrometer –> West of the disdrometer. . . South of the disdrometer

- P. 4, 5 and 6 (description of the data base content): It would be beneficial if the type of data that the folders contain could be added. E.g. P4, L.32: Each folder contains the files of raw data for its disdrometer.

- P.6, L.7: Is it supposed to be Calendars_batiment_Carnot_1 according to the name in the database?

- P.6, L.27: Lhermitte et al., 1988 is missing in the references.

- P.7, L5: semi column –> semicolon

- P.7, L.8: I guess the name of the file is R_5_min_Carnot_1_... in this case?

- P.7, L:11: file –> files

- P.7, L.13: As far as I see, the names of the files in the Daily_data_csv folder in the database only contain the day, not start and end time.

- P.8, L.1: There is two times "1st size class-2nd velocity class" in the enumeration

- P.8, L.4: These files are text file –> These files are text files

- P.9, L.6: each of the day –> each day

- P.9, L.18: The routine is called "extracting_one_event_Carnot_1" in the python script.

I also checked the descriptions in Read_me_v1.txt:

Under point 2) Tools:

- It is v3 and not v2 of the script Tools_data_base_use_v2.py

- The routine is called "extracting_one_event_Carnot_1" in the python script

- A description of the routine exporting_full_matrix_and_T.py is missing

Last sentence: Where can the script Tools_overall_management_"Campaign".py be found? I didn't see it in the python folder.

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