

PARADE CAMPAIGN DATA PROTOCOL

The participants in the PARADE project should follow these guidelines with respect to data format and usage:

1. The data will be archived and distributed through the PARADE website at the Atmospheric Chemistry Department of the Max Planck Institute for Chemistry in Mainz. The archive can be accessed by PARADE members only. Measurement data, software and modelling results will not be passed on to persons outside the PARADE group without prior permission of the owner. Access to the data archive will be restricted to those PARADE scientists who have agreed to this data protocol and have already uploaded their data.
2. The group that has performed the measurements will submit FINAL data (format below) to the data-archive within 4 months after the campaign (January 31st 2012). These data should not be shown to non-PARADE participants without prior permission of the data owner.
3. The following exemplary header (available separately) should be added to your data set:

Names = John Smith (john.smith@institute.de), Johannes Schmidt (J.Schmidt@uni.de)

Instrument = Chemical Ionisation Mass Spectrometer

Accuracy = xxx %

Missing data = --

Data Status = final

Time = Day of Year (since 00:00:00 on 01.01.2011)

Interval = xxx minutes/seconds

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Time      Parameter_unit      STDEV      Parameter_unit      STDEV
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- Time is UTC (given as Day of Year 2011).
- The files must be ASCII text (not XLS or any other propriety format)
- Column delimiters are tabs.
- Standard deviation should be given where possible.
- Decimal numbers should be given as xxx.xxxx (decimal dot)
- The time in days must be given as Fixed point (not E format) with at least 8 significant digits to have a 1 sec time resolution
- No white spaces in filenames
- The STDEV column contains the precision (fluctuation) of the data.
- The separator between the header and the table is a line containing at least 5 = and nothing else
- The separator between tableheader and the data is a line containing at least 5 - and nothing else
- After the table header only data occur, all having the same number of entries
- A 10 min sampling interval dataset should be submitted to facilitate generation of merged datasets. Files of different sampling interval (highest available resolution, 10s, 1 min, 30

min etc) can however be submitted for each dataset. The time given is at the center of the sampling interval.

The dataset should start at day 226, the final full day is then day 251 (see example file at 1 min interval).

The file name should be in the format:

Parameter_Name_Institute_Interval.dat

It should be accompanied by a “read me” file of the same name and extension “txt”.

Parameter_Name_Institute_Interval.txt

This can contain detailed information about e.g. the technique, calibration method and accuracy etc. and may also identify regions of the dataset which should be “treated with caution” or explain why sections of the data are missing.

4. Archived data can be used in publications by all PARADE members 12 months after the measurement campaign (October 2012). However, when using archived data from another group, inform that group of your intended usage immediately. This way duplication of tasks and conflicts can be avoided. The person (often the first author of a scientific paper) who uses measurement data or modelling results from others should offer the data owner(s) participation and co-authorship. If the data owner(s) refrain(s) from co-authorship, a second option is to mention the data owner(s) in the acknowledgements. The first author of a paper in which data or model results from others are used should send the data owner(s) a draft manuscript and give the person(s) involved 1 month to respond and comment on the manuscript. Only when all data owners are satisfied with the publication should it be submitted.
5. **Before** a paper that includes PARADE data is submitted, the first author should send a copy to all co-authors and to all campaign PI's.
6. The acknowledgements should refer to the PARADE project and usage of the Frankfurt University run facilities at the Taunus Observatorium. Include the sentence: “We acknowledge use of the Taunus Observatory facilities of Goethe University, Frankfurt.”