

Dear Editor(s) of the Earth System Science Data (ESSD) journal,

Dear Dr. Sibylle Hassler,

We would like to thank you for considering our manuscript 'Twelve years profile soil moisture and temperature measurements in Twente, The Netherlands' (essd-2022-90) for publication in the ESSD journal and constructive review of the submitted manuscript and dataset. We provide our detailed response to your suggestion on the readme file accompanying the dataset and the organization of the field campaign dataset in the text below.

In response to your suggestion on the 'eye-friendliness' of the readme document we have formatted the text document and transformed it into an OpenOffice document. The revised readme document is included in this submission as a supplement and will be submitted to DANS-easy. For this submission, no changes have been made to the earlier submitted supplement.

With respect to the link between location of the measurements points in Fig. 5 and the measurements in column 1-9, we have modified to following sentences in the readme document with in red the modified text:

*"Columns 9-17: Soil moisture probe readings, up to nine, collected at a measurement location. Information on the sampling strategy can be found in [section 4.1 of Van der Velde et al. \(in review\)](#). There is no systematic relationship between the column name and the sampling points indicated in Fig. 5 of the manuscript. Column 29 provides the location of the soil sampling location used for gravimetric determination of the volumetric soil moisture content. Missing data is indicated by -99.999."*

Further, the following sentence has been added to the manuscript at lines 246-247:

*"Locations of other sampling points are not specified because they were not consistently documented in a consistent manner during the field campaigns."*

In brief, the sampling design differed during the field campaigns and were carried out by different sampling teams. The sampling teams had instructions to document the probe reading that matches the soil sample take for gravimetric determination of the volumetric soil moisture content, but did not record each sampling location in a consistent manner during the field campaign. This information is, therefore, not included in the dataset. However, in column 29 of the field campaign dataset we do provide the soil sampling location used for gravimetric determination of the volumetric soil moisture content.

We trust that with the above described modifications to the manuscript and readme document we have clarified your question related to the organization of the field campaign data. We would like to thank you once again for taking the time to handle this contribution and look forward to hearing from you.

Yours truly,

Rogier van der Velde

On behalf of the authors.