TropSOC Database

4.1. Meteorological data – Locations of meteorological stations

When using these data, please cite the database and the key publication in ESSD:

Doetterl, S.; Bukombe, B.; Cooper, M.; Kidinda, L.; Muhindo, D.; Reichenbach, M.; Stegmann, A.; Summerauer, L.; Wilken, F.; Fiener, P. (2021): TropSOC Database. V. 1.0. GFZ Data Services.
https://doi.org/10.5880/fidgeo.2021.009

Doetterl S., Asifiwe R.K., Baert G., Bamba F., Bauters M., Boeckx P., Bukombe B., Cadisch G., Cizungu L.N., Cooper M., Hoyt A., Kabaseke C., Kalbitz K., Kidinda L., Maier A., Mainka M., Mayrock J., Muhindo D., Mujinya B.B., Mukotanyi, S.M., Nabahungu L., Reichenbach M., Rewald B., Six J., Stegmann A., Summerauer L., Unseld R., Vanlauwe B., Van Oost K., Verheyen K. Vogel C., Wilken F., Fiener P. Organic matter cycling along geochemical, geomorphic and disturbance gradients in forests and cropland of the African Tropics - Project TropSOC Database Version 1.0. *Earth System Science Data*. https://doi.org/10.5194/essd-2021-73, 2021.

Introduction

The dataset comprises a unique identifier for each meteorological station followed by 6 variables that provide information regarding names, locations, elevation, instruments and number of parameters measured at each station.

Data structure

No.	Variable	Explanation	Unit
1	stationID	identification number of meteorological stations	-
2	station_name	station name as used in TropSOC project	-
3	lat_deg	latitude in decimal degree	°
4	long_deg	longitude in decimal degree	°
5	elev_m	elevation above sea level	m
6	device_type	brand and name of the measuring device	-
7	no_param	number of parameters recorded by device	-

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