

# Dataset for “Interpreting eddy covariance data from heterogeneous Siberian tundra: land cover-specific methane fluxes and spatial representativeness”

BG\_Tuovinen\_et\_al\_2018.csv is a text file that contains CH<sub>4</sub> flux and other data from the micrometeorological greenhouse gas flux station at Tiksi, Russia (71.5943°N, 128.8878°E). The data were collected between 5 July and 29 August 2014 and averaged over 30-min periods. Only the data accepted for the analysis presented by Tuovinen et al. (2018) are included. The values are separated by commas, missing and discarded data are indicated by NaN, and the column headers are described below.

## Column headers

### Date

### Time

local time

### WD

wind direction (°)

### WS

wind speed (m s<sup>-1</sup>)

### u\*

friction velocity (m s<sup>-1</sup>)

### 1/L

inverse Obukhov length (m<sup>-1</sup>)

### v'v'

variance of lateral wind velocity (m<sup>2</sup> s<sup>-2</sup>)

### Ta

air temperature (°C)

### Ts

soil temperature at 10 cm depth (°C)

### fCH<sub>4</sub>

methane flux (μg m<sup>-2</sup> s<sup>-1</sup>)

## Reference

Tuovinen, J.-P., Aurela, M., Hatakka, J., Räsänen, A., Virtanen, T., Mikola, J., Ivakhov, V., Kondratyev, V. and Laurila, T.: Interpreting eddy covariance data from heterogeneous Siberian tundra: land cover-specific methane fluxes and spatial representativeness. *Biogeosciences Discussions*, <https://doi.org/10.5194/bg-2018-155>, 2018 (accepted for publication in *Biogeosciences*).