



Corrigendum to “FLUXNET-CH₄: a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands” published in Earth Syst. Sci. Data, 13, 3607–3689, 2021

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Table B3 was submitted with an error in the column titled “SOIL_TEMP_PROBE_DEPTHS”, a portion of which is pictured in Fig. 1 below. The rows in this column list soil temperature probe depths in centimeters when these measurements are actually in meters. This column should be deleted. The correct soil temperature probe depths and units are provided in Table B7 (see Fig. 2) and Table B5 (see Fig. 3), which remain the correct source for these data.

Table B3-D: Site metadata, select data, and DOI links

SITE_ID	SOIL_TEMP_PROBE_DEPTHS
1	AT-Neu TS_1 = -0.05cm; TS_2 = -0.1cm; TS_3 = -0.2cm;
2	BR-Npw
3	BW-Gum
4	BW-Nxr
5	CA-SCB TS_1 = 0cm; TS_2 = -0.02cm; TS_3 = -0.04cm; TS_4 = -0.08cm; TS_5 = -0.16cm; TS_6 = -0.32cm; TS_7 = -0.64cm ;TS_8 = -1.28cm;

Figure 1. The first five rows of the erroneous column in Table 3, in which the units for soil temperature probe depths are meters, *not* centimeters.

Table B7 - Soil temperature probe depths (m)

	SITE_ID	Year	Probe name	Soil_temp_ depth_m	Additional_n otes
1	AT-Neu		TS_1	-0.05	
2	AT-Neu		TS_2	-0.1	
3	AT-Neu		TS_3	-0.2	
4	BR-Npw		TS_1		
5	BR-Npw		TS_2		

Figure 2. The first five rows of Table B7, which include the correct units for soil temperature probe depths.

Table B5-D Timesat output for FCH4, GPP_DT, TA, and TS (TS from shallowest probe at each site)

	SITE_ID	Year	Probe_n ame	Soil_temp_ depth_m	Start_TS_(DOY)	End_TS_(DOY)	Base_value_ TS_(C)	Ampl_TS_(C)	Peak_TS_(DOY)	Peak_value _TS_(C)
1	AT-Neu	2010	TS_1	-0.05	61.32	339.44	0.15	17.54	200.90	17.70
2	AT-Neu	2011	TS_1	-0.05	51.04	328.84	0.40	16.37	201.00	16.77
3	AT-Neu	2012	TS_1	-0.05	61.12	341.88	0.73	17.57	202.90	18.30
4	BR-Npw	2014	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
5	BR-Npw	2015	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

Figure 3. The first five rows of Table B5, which include the correct soil temperature probe depth from the shallowest probe per site in the column “Soil_temp_depth_m”.