

Date	Replicate	Treatment	LightLevel	Season	Starttime	Endtime	CH4flux	GA	LAitot	LAlaer	LAIcSPal	DOC7	DOC20	DOC50	Tsol17	Tsol20	d13Cemitted	d13C7	d13C20	d13C50	CH4concC	CH4conc20	CH4conc50	WTD
2021-07-14	5	PSV	D	Summer	2021-07-1	2021-07-1	860.7	LI7810	0.326	0.324	0.046													8
2021-07-14	5	PSV	1	Summer	2021-07-1	2021-07-1	368.1	LI7810	0.326	0.324	0.046													8
2021-07-14	5	PSV	L	Summer	2021-07-1	2021-07-1	2171.3	LI7810	0.326	0.324	0.046													8
2021-07-14	5	PSV	2	Summer	2021-07-1	2021-07-1	1518.0	LI7810	0.326	0.324	0.046													8
2021-07-14	5	PS	1	Summer	2021-07-1	2021-07-1	2224.8	LI7810																8
2021-07-14	5	PS	2	Summer	2021-07-1	2021-07-1	764.2	LI7810																8
2021-07-14	5	PS	D	Summer	2021-07-1	2021-07-1	934.4	LI7810																8
2021-07-15	3	PSV	1	Summer					0.294	0.266	0.176	29.4	30.8	33.1	18.7	18.0								9
2021-07-15	3	PSV	L	Summer					0.294	0.266	0.176	29.4	30.8	33.1	18.7	18.0								9
2021-07-15	3	PSV	D	Summer					0.294	0.266	0.176	29.4	30.8	33.1	18.7	18.0								9
2021-07-15	3	PS	L	Summer	2021-07-1	2021-07-1	536.4	LI7810				23.1	27.5	32.7	17.8	17.8								9
2021-07-15	3	PS	1	Summer	2021-07-1	2021-07-1	757.4	LI7810				23.1	27.5	32.7	17.8	17.8								9
2021-07-15	3	P	D	Summer	2021-07-1	2021-07-1	1639.4	LI7810				27.5	32.7	17.8	17.8									9
2021-07-15	4	PSV	1	Summer	2021-07-1	2021-07-1	1033.1	LI7810	0.206	0.205	0.046	31.1	26.6	27.2	17.2	17.4								10
2021-07-15	4	PSV	L	Summer	2021-07-1	2021-07-1	301.1	LI7810	0.206	0.205	0.046	31.1	26.6	27.2	17.2	17.4								10
2021-07-15	4	PSV	2	Summer	2021-07-1	2021-07-1	573.5	LI7810	0.206	0.205	0.046	31.1	26.6	27.2	17.2	17.4								10
2021-07-15	4	PS	L	Summer	2021-07-1	2021-07-1	637.9	LI7810				29.8	24.2	31.2	16.6	16.8								10
2021-07-15	4	PS	1	Summer	2021-07-1	2021-07-1	1523.6	LI7810				29.8	24.2	31.2	16.6	16.8								10
2021-07-15	4	PS	2	Summer	2021-07-1	2021-07-1	718.8	LI7810				29.8	24.2	31.2	16.6	16.8								10
2021-07-15	4	PS	D	Summer	2021-07-1	2021-07-1	258.2	LI7810				29.8	24.2	31.2	16.6	16.8								10
2021-07-15	4	P	D	Summer	2021-07-1	2021-07-1	197.7	LI7810				24.2	31.2	16.6	16.8									10
2021-07-19	1	PSV	2	Summer	2021-07-1	2021-07-1	134.0	LI7810	0.232	0.211	0.131	28.9	32.3	25.8	16.5	16.8								8
2021-07-19	1	PSV	1	Summer	2021-07-1	2021-07-1	123.0	LI7810	0.232	0.211	0.131	28.9	32.3	25.8	16.5	16.8								8
2021-07-19	1	PSV	D	Summer	2021-07-1	2021-07-1	140.0	LI7810	0.232	0.211	0.131	28.9	32.3	25.8	16.5	16.8								8
2021-07-19	1	PS	1	Summer	2021-07-1	2021-07-1	35.7	LI7810				27.8	32.4	25.8	17.9	18.0								8
2021-07-19	1	PS	2	Summer	2021-07-1	2021-07-1	19.3	LI7810				27.8	32.4	25.8	17.9	18.0								8
2021-07-19	1	PS	L	Summer	2021-07-1	2021-07-1	47.1	LI7810				27.8	32.4	25.8	17.9	18.0								8
2021-07-19	1	P	D	Summer	2021-07-1	2021-07-1	274.9	LI7810				32.4	25.8	17.9	18.0									8
2021-07-27	5	PSV	L	Summer	2021-07-2	2021-07-2	2094.8	LI7810	0.197	0.196	0.051													11
2021-07-27	5	PSV	D	Summer	2021-07-2	2021-07-2	574.5	LI7810	0.197	0.196	0.051													11
2021-07-27	5	PS	L	Summer	2021-07-2	2021-07-2	208.4	LI7810																11
2021-07-27	5	PS	D	Summer	2021-07-2	2021-07-2	160.4	LI7810																11
2021-07-27	5	P	D	Summer	2021-07-2	2021-07-2	1114.1	LI7810																11
2021-07-28	4	PSV	D	Summer	2021-07-2	2021-07-2	168.5	LI7810	0.151	0.149	0.051	37.3	27.8	27.8	16.5	17.6								12
2021-07-28	4	PSV	L	Summer	2021-07-2	2021-07-2	179.2	LI7810	0.151	0.149	0.051	37.3	27.8	27.8	16.5	17.6								12
2021-07-28	4	PS	L	Summer	2021-07-2	2021-07-2	149.1	LI7810				28.3	28.1	29.8	16.0	17.3								12
2021-07-28	4	PS	D	Summer	2021-07-2	2021-07-2	239.7	LI7810				28.3	28.1	29.8	16.0	17.3								12
2021-07-28	4	P	L	Summer								25.2	30.6	17.3										12
2021-07-28	4	P	D	Summer	2021-07-2	2021-07-2	787.6	LI7810				28.1	29.8	16.0	17.3									12
2021-07-30	3	PSV	L	Summer	2021-07-3	2021-07-3	163.7	LI7810	0.249	0.215	0.164	34.6	30.9	29.1	17.5	18.2								7
2021-07-30	3	PSV	D	Summer	2021-07-3	2021-07-3	468.6	LI7810	0.249	0.215	0.164	34.6	30.9	29.1	17.5	18.2								7
2021-07-30	3	PS	L	Summer	2021-07-3	2021-07-3	69.8	LI7810				32.5	28.0	29.2	17.2	17.9								7
2021-07-30	3	PS	D	Summer	2021-07-3	2021-07-3	63.4	LI7810				32.5	28.0	29.2	17.2	17.9								7
2021-07-30	3	P	D	Summer	2021-07-3	2021-07-3	105.9	LI7810				32.5	28.0	29.2	17.2	17.9								7
2021-08-02	1	PSV	D	Summer	2021-08-1	2021-08-1	1783.5	LI7810				38.0	29.2	17.2	17.9									7
2021-08-02	1	P	D	Summer	2021-08-1	2021-08-1	138.0	LI7810	0.231	0.209	0.130	37.6	34.8	30.9	16.5	17.9								8
2021-08-02	1	PSV	L	Summer	2021-08-1	2021-08-1	119.3	LI7810	0.231	0.209	0.130	37.6	34.8	30.9	16.5	17.9								8
2021-08-02	1	PS	L	Summer	2021-08-1	2021-08-1	20.1	LI7810				28.8	28.5	33.4	18.0	18.0								8
2021-08-02	1	PS	D	Summer	2021-08-1	2021-08-1	8.3	LI7810				28.8	28.5	33.4	18.0	18.0								8
2021-08-02	1	P	D	Summer	2021-08-1	2021-08-1	286.9	LI7810				28.5	33.4	18.0	18.0									8
2021-08-02	2	PSV	L	Summer	2021-08-1	2021-08-1	390.4	LI7810	0.189	0.178	0.111													6
2021-08-02	2	PSV	D	Summer	2021-08-1	2021-08-1	329.3	LI7810	0.189	0.178	0.111													6
2021-08-02	2	PS	L	Summer	2021-08-1	2021-08-1	33.6	LI7810																6
2021-08-02	2	PS	D	Summer	2021-08-1	2021-08-1	21.1	LI7810																6
2021-08-02	2	P	D	Summer	2021-08-1	2021-08-1	2077.5	LI7810																6
2021-10-28	4	PSV	L	Fall	2021-10-2	2021-10-2	16.0	LI7810					31.1		5.8									6
2021-10-28	4	PSV	D	Fall	2021-10-2	2021-10-2	12.8	LI7810					31.1		5.8									6
2021-10-28	4	PS	L	Fall	2021-10-2	2021-10-2	4.8	LI7810					27.1		5.8									6
2021-10-28	4	PS	D	Fall	2021-10-2	2021-10-2	19.8	LI7810					27.1		5.8									6
2021-10-28	4	P	L	Fall	2021-10-2	2021-10-2	71.9	LI7810					27.1		5.8									6
2021-10-28	4	P	D	Fall	2021-10-2	2021-10-2	115.1	LI7810					27.1		5.8									6
2021-10-29	1	PSV	L	Fall	2021-10-2	2021-10-2	27.9	LI7810					28.2											6
2021-10-29	1	PSV	D	Fall	2021-10-2	2021-10-2	26.1	LI7810					28.2											6
2021-10-29	1	PS	L	Fall	2021-10-2	2021-10-2	10.9	LI7810					31.8											6
2021-10-29	1	PS	D	Fall	2021-10-2	2021-10-2	9.7	LI7810					31.8											6
2021-10-29	1	P	L	Fall	2021-10-2	2021-10-2	36.1	LI7810					31.8											6
2021-10-29	1	P	D	Fall	2021-10-2	2021-10-2	92.4	LI7810					31.8											6
2021-10-29	3	PSV	L	Fall	2021-10-2	2021-10-2	45.0	LI7810					22.9											6
2021-10-29	3	PSV	D	Fall	2021-10-2	2021-10-2	52.5	LI7810					22.9											

2022-06-25	1	PSV	L	Summer	2022-06-2	2022-06-2	222.6	LI7810	0.201	0.177	0.112	26.7	29.1	27.6	17.3	16.1	-78.0	-51.6	-59.8	-69.0	27.1	146.0	176.3	6
2022-06-25	1	PSV	L	Summer	2022-06-2	2022-06-2	159.1	LI7810	0.201	0.177	0.112	26.7	29.1	27.6	17.3	16.1	-78.0	-51.6	-59.8	-69.0	27.1	146.0	176.3	6
2022-06-25	1	PSV	L	Summer	2022-06-2	2022-06-2	155.6	LI7810	0.201	0.177	0.112	26.7	29.1	27.6	17.3	16.1	-78.0	-51.6	-59.8	-69.0	27.1	146.0	176.3	6
2022-06-25	1	P	L	Summer	2022-06-2	2022-06-2	46.8	LI7810				28.8	30.7	25.9	16.2	15.8	-7.8	-61.8	-66.6	-69.1	224.8	177.6	241.9	6
2022-06-29	4	PSV	L	Summer	2022-06-2	2022-06-2			0.134	0.133	0.044	26.6	24.4	26.6	20.1	17.4	-63.2	-63.3	-69.6	-69.4	286.0	430.2	220.2	11
2022-06-29	4	PSV	L	Summer	2022-06-2	2022-06-2	12.7	MGGA				23.2	21.0	26.7	19.6	17.2	-67.3	-65.1	-71.9	-70.6	202.2	317.3	352.6	11
2022-06-29	4	PS	L	Summer	2022-06-2	2022-06-2	438.8	MGGA				23.2	21.0	26.7	19.6	17.2	-67.3	-65.1	-71.9	-70.6	202.2	317.3	352.6	11
2022-06-29	4	PS	L	Summer	2022-06-2	2022-06-2	320.9	MGGA				23.2	21.0	26.7	19.6	17.2	-67.3	-65.1	-71.9	-70.6	202.2	317.3	352.6	11
2022-06-29	4	PS	L	Summer	2022-06-2	2022-06-2	27.6	MGGA				23.2	21.0	26.7	19.6	17.2	-67.3	-65.1	-71.9	-70.6	202.2	317.3	352.6	11
2022-06-29	5	PSV	L	Summer	2022-06-2	2022-06-2			0.257	0.257	0.030	29.4	24.1	30.3	20.7	17.5	-72.2	-55.3	-66.1	-70.1	25.6	131.3	443.9	6
2022-06-29	5	PS	L	Summer	2022-06-2	2022-06-2	349.0	LI7810				25.3	26.3	31.8	19.7	16.9	-71.4	-30.6	-70.6	-68.8	2.8	499.1	541.0	6
2022-06-29	5	PS	L	Summer	2022-06-2	2022-06-2	275.9	LI7810				25.3	26.3	31.8	19.7	16.9	-71.4	-30.6	-70.6	-68.8	2.8	499.1	541.0	6
2022-06-29	5	PS	L	Summer	2022-06-2	2022-06-2	147.3	LI7810				25.3	26.3	31.8	19.7	16.9	-71.4	-30.6	-70.6	-68.8	2.8	499.1	541.0	6
2022-06-29	5	PS	L	Summer	2022-06-2	2022-06-2	663.5	LI7810				25.3	26.3	31.8	19.7	16.9	-71.4	-30.6	-70.6	-68.8	2.8	499.1	541.0	6
2022-06-29	5	PS	L	Summer	2022-06-2	2022-06-2	633.9	LI7810				25.3	26.3	31.8	19.7	16.9	-71.4	-30.6	-70.6	-68.8	2.8	499.1	541.0	6
2022-06-29	5	PS	L	Summer	2022-06-2	2022-06-2	589.2	LI7810				25.3	26.3	31.8	19.7	16.9	-71.4	-30.6	-70.6	-68.8	2.8	499.1	541.0	6
2022-06-29	5	P	L	Summer	2022-06-2	2022-06-2						26.3	31.8	19.7	16.9		-52.7	-70.6	-68.8			499.1	541.0	6
2022-07-04	4	PSV	L	Summer	2022-07-0	2022-07-0	846.8	MGGA	0.156	0.154	0.055	26.6	24.4	26.6	20.1	17.4	-63.2	-63.3	-69.6	-69.4	286.0	430.2	220.2	11
2022-07-04	4	PSV	D	Summer	2022-07-0	2022-07-0	1025.4	MGGA	0.156	0.154	0.055	26.6	24.4	26.6	20.1	17.4	-63.2	-63.3	-69.6	-69.4	286.0	430.2	220.2	11
2022-07-04	4	PS	D	Summer	2022-07-0	2022-07-0	65.8	MGGA				23.2	21.0	26.7	19.6	17.2	-65.1	-71.9	-70.6	202.2		317.3	352.6	11
2022-07-04	4	PS	L	Summer	2022-07-0	2022-07-0	31.9	MGGA				23.2	21.0	26.7	19.6	17.2	-67.3	-65.1	-71.9	-70.6	202.2	317.3	352.6	11
2022-07-04	4	P	L	Summer	2022-07-0	2022-07-0	318.8	MGGA				21.0	26.7	19.6	17.2		-71.9	-70.6				317.3	352.6	11
2022-07-04	4	P	D	Summer	2022-07-0	2022-07-0	123.1	MGGA				21.0	26.7	19.6	17.2		-71.9	-70.6				317.3	352.6	11
2022-07-04	5	PSV	L	Summer	2022-07-0	2022-07-0	234.0	LI7810	0.278	0.278	0.034	29.4	24.1	30.3	20.7	17.5	-72.2	-55.3	-66.1	-70.1	25.6	131.3	443.9	8
2022-07-04	5	PSV	D	Summer	2022-07-0	2022-07-0	349.7	LI7810	0.278	0.278	0.034	29.4	24.1	30.3	20.7	17.5	-72.2	-55.3	-66.1	-70.1	25.6	131.3	443.9	8
2022-07-04	5	PS	L	Summer	2022-07-0	2022-07-0	218.8	LI7810				25.3	26.3	31.8	19.7	16.9	-71.4	-30.6	-70.6	-68.8	2.8	499.1	541.0	8
2022-07-04	5	PS	D	Summer	2022-07-0	2022-07-0	741.0	LI7810				25.3	26.3	31.8	19.7	16.9	-71.4	-30.6	-70.6	-68.8	2.8	499.1	541.0	8
2022-07-04	5	P	L	Summer	2022-07-0	2022-07-0	856.1	LI7810				26.3	31.8	19.7	16.9		-52.7	-70.6	-68.8			499.1	541.0	8
2022-07-04	5	P	D	Summer	2022-07-0	2022-07-0	313.9	LI7810				26.3	31.8	19.7	16.9		-52.7	-70.6	-68.8			499.1	541.0	8
2022-07-04	5	P	L	Summer	2022-07-0	2022-07-0						26.3	31.8	19.7	16.9		-52.7	-70.6	-68.8			499.1	541.0	8
2022-07-05	3	PSV	L	Summer	2022-07-0	2022-07-0			0.246	0.224	0.190	22.2	27.8	26.1	20.3	17.9	-71.8	-47.1	-58.8	-65.0	28.1	206.9	140.4	8
2022-07-05	3	PSV	D	Summer	2022-07-0	2022-07-0	268.9	MGGA				22.1	28.0	26.7	20.3	17.5	-61.3	-59.6	-66.5	-69.4	244.1	220.5	270.3	8
2022-07-05	3	PS	D	Summer	2022-07-0	2022-07-0	28.9	MGGA				22.1	28.0	26.7	20.3	17.5	-59.6	-66.5	-69.4	244.1	220.5	270.3	8	
2022-07-05	3	P	D	Summer	2022-07-0	2022-07-0	219.8	MGGA				28.0	26.7	20.3	17.5		-60.3	-66.5	-69.4			220.5	270.3	8
2022-07-05	3	P	L	Summer	2022-07-0	2022-07-0	298.9	MGGA				28.0	26.7	20.3	17.5		-60.3	-66.5	-69.4			220.5	270.3	8
2022-07-08	1	PSV	D	Summer	2022-07-0	2022-07-0	155.2	LI7810	0.290	0.265	0.162	26.7	29.1	27.6	17.3	16.1	-78.0	-51.6	-59.8	-69.0	27.1	146.0	176.3	9
2022-07-08	1	PSV	L	Summer	2022-07-0	2022-07-0	111.2	LI7810	0.290	0.265	0.162	26.7	29.1	27.6	17.3	16.1	-78.0	-51.6	-59.8	-69.0	27.1	146.0	176.3	9
2022-07-08	1	PS	L	Summer	2022-07-0	2022-07-0	3.5	LI7810				28.8	30.7	25.9	16.2	15.8	-7.8	-61.8	-66.6	-69.1	224.8	177.6	241.9	9
2022-07-08	1	PS	D	Summer	2022-07-0	2022-07-0	15.9	LI7810				28.8	30.7	25.9	16.2	15.8	-7.8	-61.8	-66.6	-69.1	224.8	177.6	241.9	9
2022-07-08	1	P	L	Summer	2022-07-0	2022-07-0	119.0	LI7810				30.7	25.9	16.2	15.8		-57.8	-66.6	-69.1			177.6	241.9	9
2022-07-08	1	P	D	Summer	2022-07-0	2022-07-0	88.5	LI7810				30.7	25.9	16.2	15.8		-57.8	-66.6	-69.1			177.6	241.9	9
2022-07-08	1	P	D	Summer	2022-07-0	2022-07-0	72.7	LI7810				30.7	25.9	16.2	15.8		-57.8	-66.6	-69.1			177.6	241.9	9
2022-07-08	2	PSV	L	Summer	2022-07-0	2022-07-0	638.6	MGGA	0.294	0.292	0.233	17.6	13.2	18.2	16.9	15.1	-68.3	-64.6	-58.8	-63.5	148.6	211.4	230.4	5
2022-07-08	2	PSV	D	Summer	2022-07-0	2022-07-0	612.1	MGGA	0.294	0.292	0.233	17.6	13.2	18.2	16.9	15.1	-68.3	-64.6	-58.8	-63.5	148.6	211.4	230.4	5
2022-07-08	2	PS	D	Summer	2022-07-0	2022-07-0	40.2	MGGA				16.0	16.4	19.9	15.5	15.0	-61.4	-65.4	-66.5	-68.7	181.7	119.3	345.4	5
2022-07-08	2	PS	L	Summer	2022-07-0	2022-07-0	24.8	MGGA				16.0	16.4	19.9	15.5	15.0	-61.4	-65.4	-66.5	-68.7	181.7	119.3	345.4	5
2022-07-08	2	P	D	Summer	2022-07-0	2022-07-0	1358.4	MGGA				16.4	19.9	15.5	15.0		-61.4	-65.4	-66.5	-68.7		119.3	345.4	5
2022-09-10	1	PSV	D	Fall	2022-09-1	2022-09-1	91.1	LI7810	0.098	0.084	0.057	32.5	17.5	26.8	9.4	10.4	-59.2	-61.6	-67.1	48.2	148.9	131.8	7	
2022-09-10	1	PSV	L	Fall	2022-09-1	2022-09-1	105.9	LI7810	0.098	0.084	0.057	32.5	17.5	26.8	9.4	10.4	-79.3	-59.2	-61.6	-67.1	48.2	142.9	131.8	7
2022-09-10	1	PS	L	Fall	2022-09-1	2022-09-1	9.9	LI7810				33.9	20.0	20.8	10.6	10.8	-55.5	-59.7	-66.0	-67.7	127.0	347.2	220.0	7
2022-09-10	1	PS	D	Fall	2022-09-1	2022-09-1	7.6	LI7810				33.9	20.0	20.8	10.6	10.8	-59.7	-66.0	-67.7	127.0		347.2	220.0	7
2022-09-10	1	P	L	Fall	2022-09-1	2022-09-1	172.2	LI7810				20.0	20.8	10.6	10.8		-62.1	-66.0	-67.7			347.2	220.0	7
2022-09-10	2	PSV	L	Fall	2022-09-1	2022-09-1	269.1	LI7810	0.153	0.153	0.114	18.1	17.7	18.2	10.6	11.5	-75.0	-63.0	-59.6	-64.4	124.2	169.3	175.3	3
2022-09-10	2	PSV	D	Fall	2022-09-1	2022-09-1	276.9	LI7810	0.153	0.153	0.114	18.1	17.7	18.2	10.6	11.5	-75.0	-63.0	-59.6	-64.4	124.2	169.3	175.3	3
2022-09-10	2	PS	L	Fall	2022-09-1	2022-09-1	14.5	LI7810				15.3	17.3	18.5	9.2	9.7	-42.2	-70.3	-70.5	-69.0	397.7	416.7	481.4	3
2022-09-10	2	P	L	Fall	2022-09-1	2022-09-1	11.0	LI7810				15.3	17.3	18.5	9.2	9.7	-70.7	-70.3	-70.5	-69.0	397.7	416.7	481.4	3
2022-09-10	2	P	D	Fall	2022-09-1	2022-09-1	1513.1	LI7810																

Contact info and dataset owner:
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Parameter name	Short name	Unit	Principal investigator	Comment
Measurement date	Date	yyyy-mm-dd	Katharina Jentsch	
Spatial replicate id	Replicate		Katharina Jentsch	
Vegetation treatment	Treatment		Katharina Jentsch	PS: intact vegetation; PS-vascular plants removed - Sphagnum moss layer remaining; F: all vegetation removed - only bare peat remaining
Light level	LightLevel		Katharina Jentsch	L: light; I: single shading; 2: double shading; D: dark
Season	Season		Katharina Jentsch	
Datetime of start of chamber measurement	Starttime	yyyy-mm-ddTHH:MM:SS	Katharina Jentsch	
Datetime of end of chamber measurement	Endtime	yyyy-mm-ddTHH:MM:SS	Katharina Jentsch	
CH ₄ flux	CH4flux	mgm ⁻²	Katharina Jentsch	
Gas analyzer model	GA		Katharina Jentsch	LI-COR CH ₄ , CO ₂ , H ₂ O Trace Gas Analyzer (817180); LGR Microportable Greenhouse Gas Analyzer (MAGIA)
Total leaf area of all vascular plants	LAreaT		Katharina Jentsch	
Leaf area of all aerenchymatous plants	LAreaP		Katharina Jentsch	
Leaf area index of Sphagnum Palustris	LAI_SpP		Katharina Jentsch	
Dissolved organic carbon at 7 cm depth	DOC7	mgL ⁻¹	Katharina Jentsch	
Dissolved organic carbon at 20 cm depth	DOC20	mgL ⁻¹	Katharina Jentsch	
Dissolved organic carbon at 50 cm depth	DOC50	mgL ⁻¹	Katharina Jentsch	
Peat temperature at 7 cm depth	Temp7	°C	Katharina Jentsch	
Peat temperature at 20 cm depth	Temp20	°C	Katharina Jentsch	
δ ¹³ C _{org} in peat	d13Corg	‰	Katharina Jentsch	
δ ¹³ C _{CH₄} at 7 cm depth	d13C7	‰	Katharina Jentsch	
δ ¹³ C _{CH₄} at 20 cm depth	d13C20	‰	Katharina Jentsch	
δ ¹³ C _{CH₄} at 50 cm depth	d13C50	‰	Katharina Jentsch	
concentration of dissolved CH ₄ in the pore water at 7 cm depth	CH4conc7	mmolL ⁻¹	Katharina Jentsch	
concentration of dissolved CH ₄ in the pore water at 20 cm depth	CH4conc20	mmolL ⁻¹	Katharina Jentsch	
concentration of dissolved CH ₄ in the pore water at 50 cm depth	CH4conc50	mmolL ⁻¹	Katharina Jentsch	
Water table depth	WTD	cm	Katharina Jentsch	negative values indicate water table levels above the soil surface