Table 2: ^{14}C results determined from the particulate organic carbon (POC) fraction. All samples have a length of about 5 cm, only V50189 has a length of 10 cm. Shown are the measured POC mass and the measured ^{13}C/^{12}C and ^{14}C/^{12}C ratio (reported as δ^{13}C and pmC (percent modern carbon, respectively). The background corrected ^{14}C data, pmC$_{corr}$, assumes a background contribution estimated by the average of the samples V50188, V50393 and V50191 (the error is calculated by error propagation). The calibrated radiocarbon age (calculated with OxCal) gives the 2σ - probability range.

VERA Nr	mean depth [cm]	ice mass [g]	POC [µgC]	δ13C [‰]	pmC [%]	pmC$_{corr}$ [%]	cal. age (2σ) [BP]
V50188	210 ± 3	25	14.7 ± 0.8	-28	75.7 ± 0.8	Blank	-
V50393	341 ± 3	28	15.0 ± 0.8	-32	77.1 ± 1.0	Blank	-
V50394	396 ± 3	20	27.4 ± 0.8	-30	73.8 ± 0.8	71.1 ± 1.9	2350 - 3375
V50189	573 ± 5	54	59.8 ± 0.9	-27	65.5 ± 0.9	62.1 ± 1.3	3825 - 4810
V50392	628 ± 3	20	24.3 ± 0.8	-34	70.2 ± 1.0	61.9 ± 3.4	3260 - 5480
V50190	668 ± 3	23	122.0 ± 1.2	-30	112.3 ± 0.9	-	-
V50191	710 ± 3	26	12.2 ± 0.8	-22	76.3 ± 1.0	Blank	-