Trentelmoor / Peine / Lower Saxony / Germany					
Radiocarbon Datings					
Sample Identif.	**Dated material**	**Depth (m)**	**Conventional radiocarbon years (a BP ±1s)**	**$d^{13}C$ (‰ PDB) (±1s)**	**Cal age ranges (±1s P=68.3%; ±2s P=95.4% and range probabilities)**
Conventional datings (Helmut Erlenkeuser)					
KI-4941	Brown moss peat and (below 1,395 m) detritus gytt	1.355-1.45	1960 ± 25	-27.01 ± 0.1	cal AD 18 - 71 (68.3%)
					cal BC 38 - 8 (6.9%)
					cal BC 4 - cal AD 85 (87.6%)
					cal AD 109 - 116 (1.0%)
KI-4942	Detritus gyttja	1.66-1.73	2350 ± 35	-27.70 ± 0.1	cal BC 474 - 444 (14.3%)
					cal BC 431 - 384 (54.0%)
					cal BC 536 - 368 (95.4%)
KI-4943	Detritus gyttja	1.93-2.02	2910 ± 25	-27.58 ± 0.1	cal BC 1187 - 1183 (1.8%)
					cal BC 1156 - 1147 (3.9%)
					cal BC 1128 - 1046 (62.6%)
					cal BC 1206 - 1203 (0.8%)
					cal BC 1196 - 1141 (19.5%)
					cal BC 1134 - 1014 (75.3%)
AMS datings (Pieter M. Grootes)					
KIA16235	Detritus gyttja, leaching residue, 22.6 mg C	3.75-3.79	5915 ± 30	-16.60 ± 0.16	cal BC 4828 - 4815 (10,9%)
					cal BC 4805 - 4766 (35,7%)
					cal BC 4756 - 4729 (21,7%)
					cal BC 4847 - 4715 (95,4%)
	Detritus gyttja, humic acid, 4.5 mg C	3.75-3.79	5625 ± 45	-20.01 ± 0.34	
	Seed, leaching residue, 2.8 mg C	3.75-3.79	5510 ± 30	-10.88 ± 0.15	cal BC 4435 - 4429 (3,2%)
					cal BC 4369 - 4332 (65,1%)
					cal BC 4448 - 4415 (15,4%)
					cal BC 4405 - 4327 (78,7%)
					cal BC 4281 - 4274 (1,4%)
KIA16236	Detritus gyttja, leaching residue, 18,0 mg C	5.45-5.49	8715 ± 35	-28.91 ± 0.28	cal BC 7753 - 7635 (65,0%)
					cal BC 7622 - 7614 (3,3%)
					cal BC 7934 - 7929 (0,3%)
					cal BC 7911 - 7901 (0,8%)
					cal BC 7866 - 7861 (0,4%)
					cal BC 7842 - 7600 (94,0%)
	Detritus gyttja, humic acid, 5.5 mg C	5.45-5.49	8720 ± 40	-27.25 ± 0.22	
	Charcoal, leaching residue, 2.5 mg C	5.45-5.49	9575 ± 40	-25.49 ± 0.09	cal BC 9128 - 9096 (9,4%)
					cal BC 9091 - 8994 (29,4%)
					cal BC 8926 - 8832 (29,5%)
					cal BC 9155 - 8789 (95,4%)
Cal. age ranges were calculated from the unrounded values (not shown) of the conventional 14C years.					
Calibration: CALIB REV7.1 with calib data set intcal13.14c, Reimer et al. 2013 Radiocarbon 55(4). http://dx.doi.org/10.2458/azu_js_rc.55.16947					