

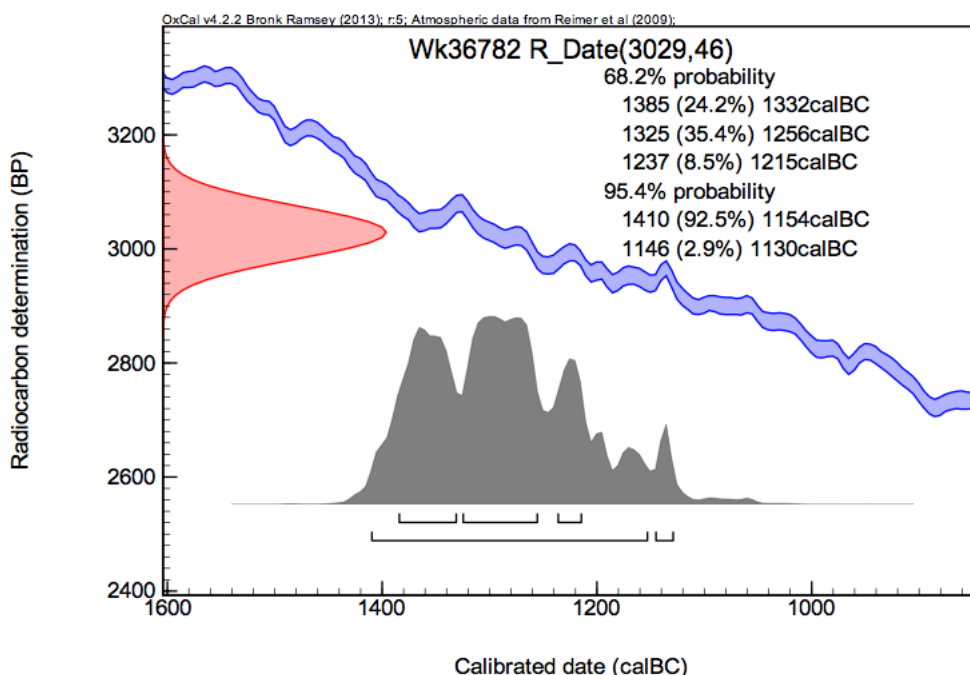


Report on Radiocarbon Age Determination for Wk- 36782

Submitter	KJ Ryan
Submitter's Code	CBB12_2
Site & Location	Cox Bank Farm, Uttoxeter, Staffordshire, United Kingdom
Sample Material	Charcoal
Physical Pretreatment	Possible contaminants were removed. Washed in ultrasonic bath.
Chemical Pretreatment	Sample washed in hot 10% HCl, rinsed and treated with hot 1% NaOH. The NaOH insoluble fraction was treated with hot 10% HCl, filtered, rinsed and dried.

$\delta^{13}\text{C}$	-24.9 ± 0.2 ‰
D ¹⁴ C	-314.2 ± 3.9 ‰
F ¹⁴ C%	68.6 ± 0.4 ‰
Result	3029 ± 46 BP

Comments



Alan Hogg

4/06/13

- Result is *Conventional Age or Percent Modern Carbon (pMC)* following Stuiver and Polach, 1977, Radiocarbon 19, 355-363. This is based on the Libby half-life of 5568 yr with correction for isotopic fractionation applied. This age is normally quoted in publications and must include the appropriate error term and Wk number.
- Quoted errors are 1 standard deviation due to counting statistics multiplied by an experimentally determined Laboratory Error Multiplier.
- The isotopic fractionation, $\delta^{13}\text{C}$, is expressed as ‰ wrt PDB.
- F¹⁴C% is also known as *Percent Modern Carbon (pMC)*