



**Scottish Universities Environmental Research Centre**

Rankine Avenue  
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Director: *Professor A E Fallick*

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**RADIOCARBON DATING CERTIFICATE**

30 March 2007

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**Laboratory Code** SUERC-13466 (GU-14954)

**Submitter** Scott Timpany  
Headland Archaeology Ltd.  
13 Jane Street  
Edinburgh  
EH6 5HE

**Site Reference** BNA-05, Bennachie, Aberdeenshire  
**Sample Reference** Sample 001 B, Context 005

**Material** Charcoal : Quercus sp. (oak)

**$\delta^{13}\text{C}$  relative to VPDB** -24.7 ‰

**Radiocarbon Age BP** 1330  $\pm$  35

- N.B.**
1. The above  $^{14}\text{C}$  age is quoted in conventional years BP (before 1950 AD). The error, which is expressed at the one sigma level of confidence, includes components from the counting statistics on the sample, modern reference standard and blank and the random machine error.
  2. The calibrated age ranges are determined from the University of Oxford Radiocarbon Accelerator Unit calibration program (OxCal3).
  3. Samples with a SUERC coding are measured at the Scottish Universities Environmental Research Centre AMS Facility and should be quoted as such in any reports within the scientific literature. Any questions directed to the Radiocarbon Laboratory should also quote the GU coding given in parentheses after the SUERC code.

Conventional age and calibration age ranges calculated by :-

*P. Naysmith*

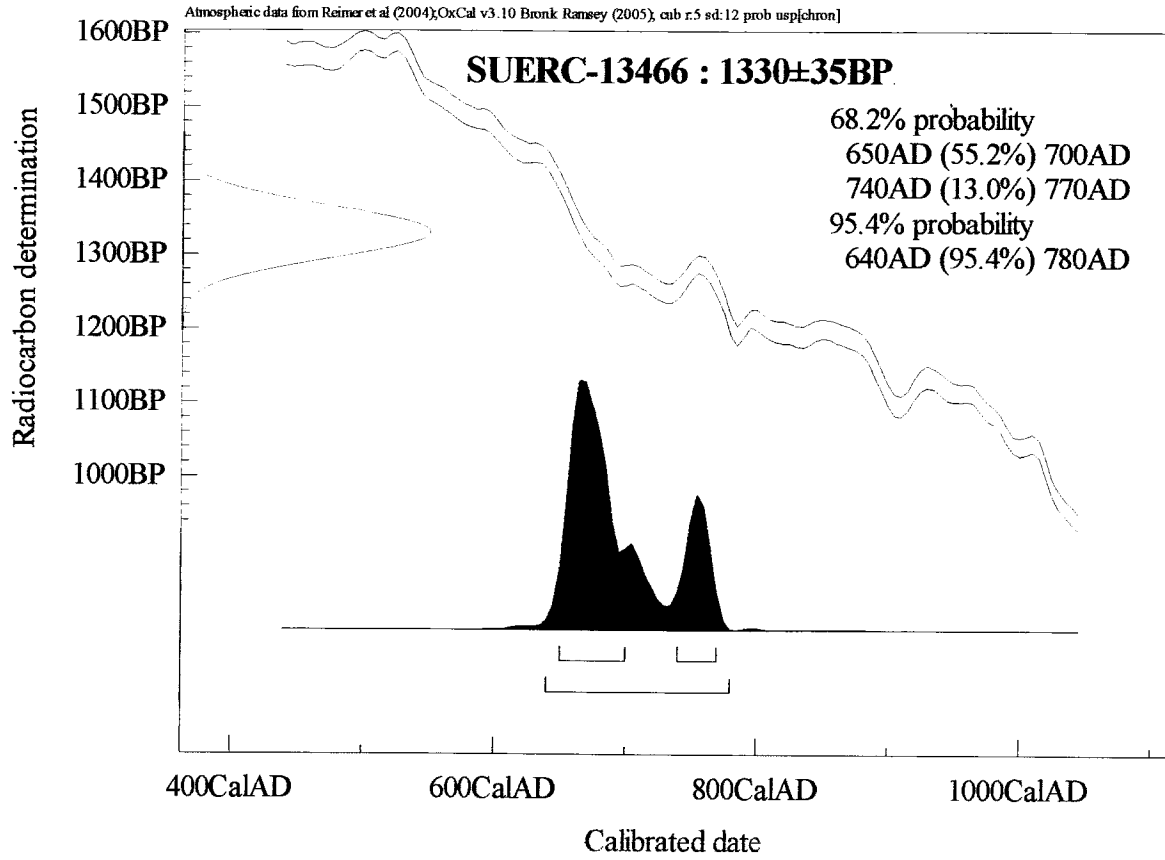
Date :- 30-3-07

Checked and signed off by :-

*G. Muir*

Date :- 30/3/07

# Calibration Plot





03 APR 2007

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RADIOCARBON DATING CERTIFICATE

30 March 2007

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**Site Reference** BNA-05, Bennachie, Aberdeenshire  
**Sample Reference** Sample 001 A, Context 005

**Material** Charcoal : Quercus sp. (oak)

**$\delta^{13}\text{C}$  relative to VPDB** -26.5 ‰

**Radiocarbon Age BP** 1625  $\pm$  35

- N.B.**
1. The above  $^{14}\text{C}$  age is quoted in conventional years BP (before 1950 AD). The error, which is expressed at the one sigma level of confidence, includes components from the counting statistics on the sample, modern reference standard and blank and the random machine error.
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Conventional age and calibration age ranges calculated by :-

*P. Naysmith*

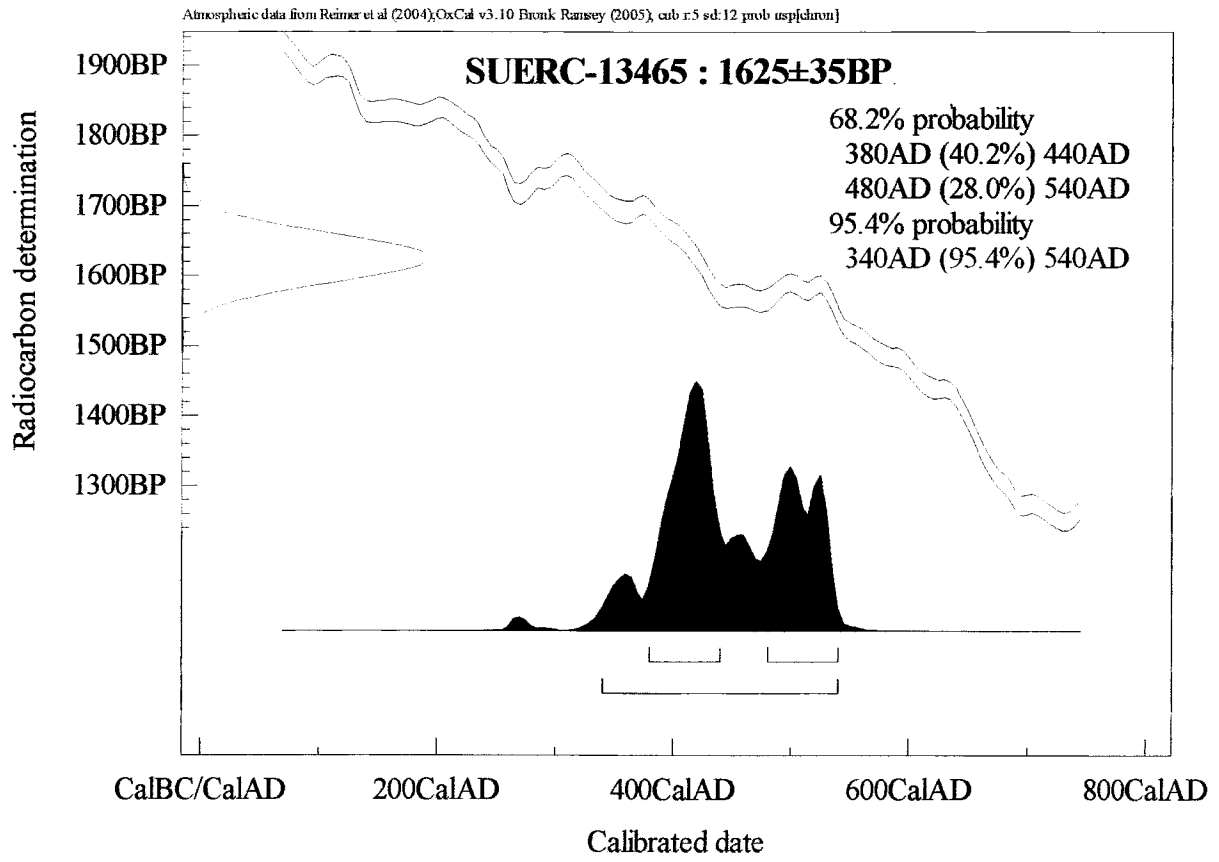
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# Calibration Plot



Atmospheric data from Reimer et al. (2004); OxCal v3.10 Bronk Ramsey (2005); cub r.5 sd:12 prob usp[chron]

