Scottish Universities Environmental Research Centre

Director: Professor R M Ellam

Rankine Avenue, Scottish Enterprise Technology Park,
East Kilbride, Glasgow G75 0QF, Scotland, UK
Tel: +44 (0)1355 223332 Fax: +44 (0)1355 229898 www.glasgow.ac.uk/suerc

RADIOCARBON DATING CERTIFICATE

05 August 2014

Laboratory Code	SUERC-54293 (GU34567)
Submitter	Ruth Whyte Northlight Heritage (York Archaeological Trust) Block 2.01, Kelvin Campus West of Scotland Science Park 2317 Maryhill Road, Glasgow, G20 0SP
Site Reference	York Knavesmire
Context Reference	1004
Sample Reference	SK3
Material	human bone : L foot phalanx
$\delta^{13}C$ relative to VPDB	-20.8 ‰
$\delta^{15}N$ relative to air	10.8 ‰
C/N ratio (Molar)	3.2
Radiocarbon Age BP	483 ± 30

N.B. The above ^{14}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.

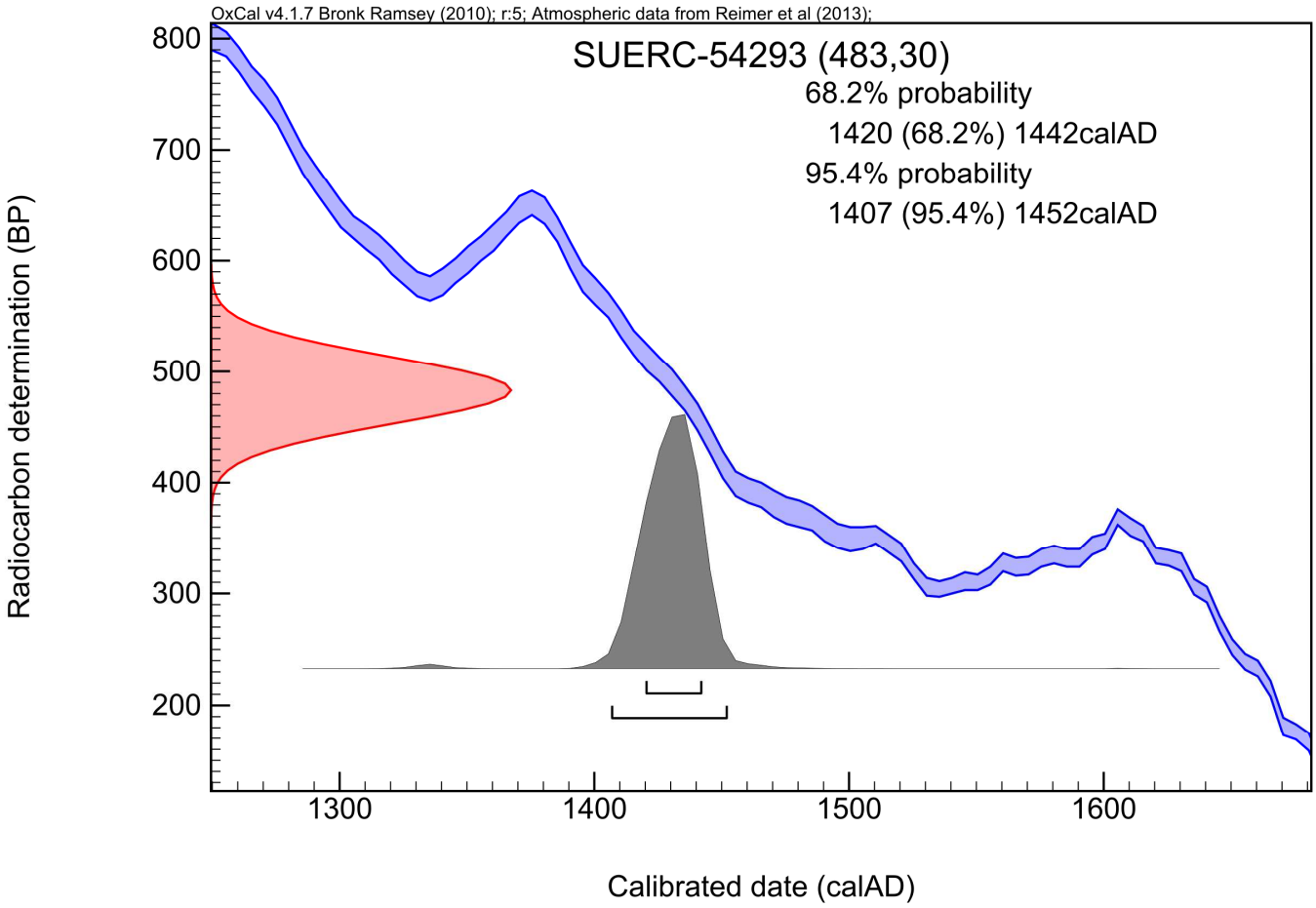
The calibrated age ranges are determined from the University of Oxford Radiocarbon Accelerator Unit calibration program (OxCal4).

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. The contact details for the laboratory are email g.cook@suerc.gla.ac.uk or telephone 01355 270136 direct line.

Conventional age and calibration age ranges calculated by :- Date :- 05/08/2014

Checked and signed off by :- Date :- 05/08/2014

Calibration Plot



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RADIOCARBON DATING CERTIFICATE

05 August 2014

Laboratory Code	SUERC-54297 (GU34568)
Submitter	Ruth Whyte Northlight Heritage (York Archaeological Trust) Block 2.01, Kelvin Campus West of Scotland Science Park 2317 Maryhill Road, Glasgow, G20 0SP
Site Reference	York Knavesmire
Context Reference	2013
Sample Reference	SK12
Material	human bone : foot phalanx
$\delta^{13}C$ relative to VPDB	-19.4 ‰
$\delta^{15}N$ relative to air	13.1 ‰
C/N ratio (Molar)	3.2
Radiocarbon Age BP	434 ± 30

N.B. The above ^{14}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.

The calibrated age ranges are determined from the University of Oxford Radiocarbon Accelerator Unit calibration program (OxCal4).

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Conventional age and calibration age ranges calculated by :- Date :- 05/08/2014

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Calibration Plot