



Scottish Universities Environmental Research Centre

Director: Professor A B MacKenzie Director of Research: Professor R M Ellam
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RADIOCARBON DATING CERTIFICATE

29 November 2011

Laboratory Code SUERC-37149 (GU25581)

Submitter Cheryl Allum
Glastonbury Abbey
The Abbey Gatehouse, Magdalene Street
Glastonbury
Somerset, BA6 9EL

Site Reference Glastonbury Abbey
Context Reference GLSGA: 1998/3/116
Sample Reference M307

Material Charcoal : Prunus sp.

$\delta^{13}\text{C}$ relative to VPDB -26.8 ‰

Radiocarbon Age BP 1285 \pm 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 :-

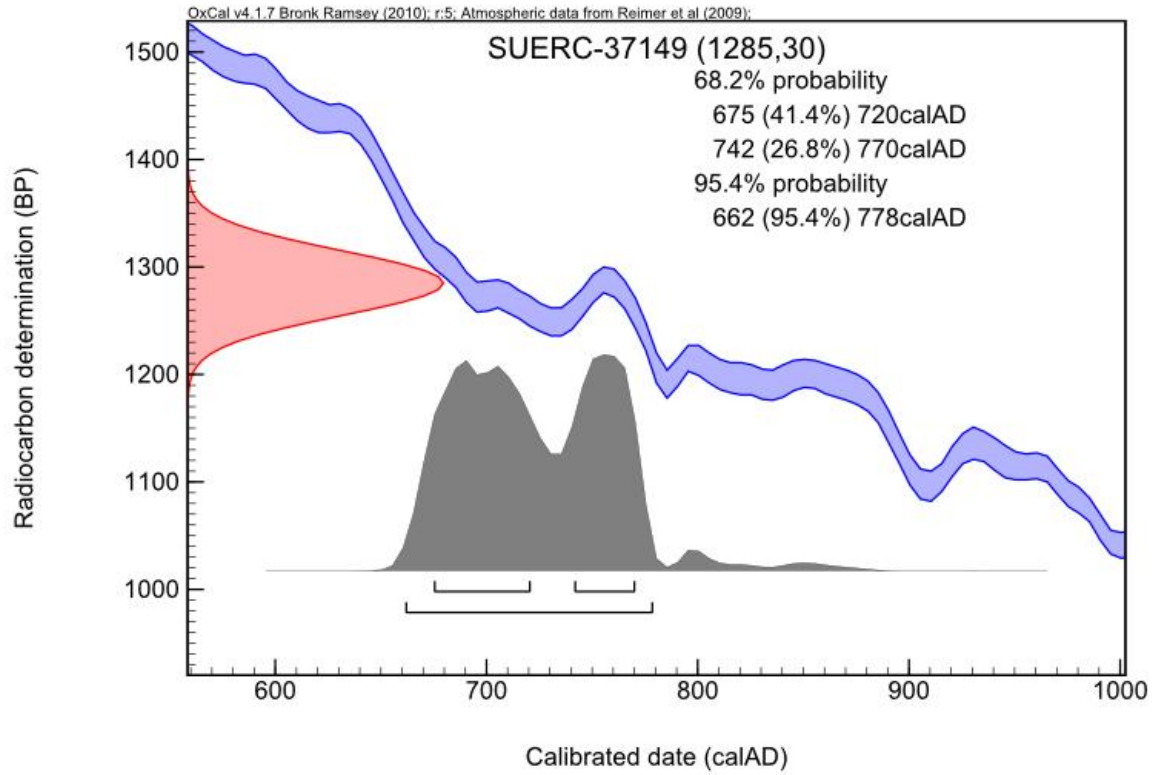
Date :-

Checked and signed off by :-

Date :-



Calibration Plot





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RADIOCARBON DATING CERTIFICATE

29 November 2011

Laboratory Code SUERC-37150 (GU25582)

Submitter Cheryl Allum
Glastonbury Abbey
The Abbey Gatehouse, Magdalene Street
Glastonbury
Somerset, BA6 9EL

Site Reference Glastonbury Abbey
Context Reference GLSGA: 1998/3/170
Sample Reference M311

Material Charcoal : Maloideae

$\delta^{13}\text{C}$ relative to VPDB -25.9 ‰

Radiocarbon Age BP 1300 \pm 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 :-

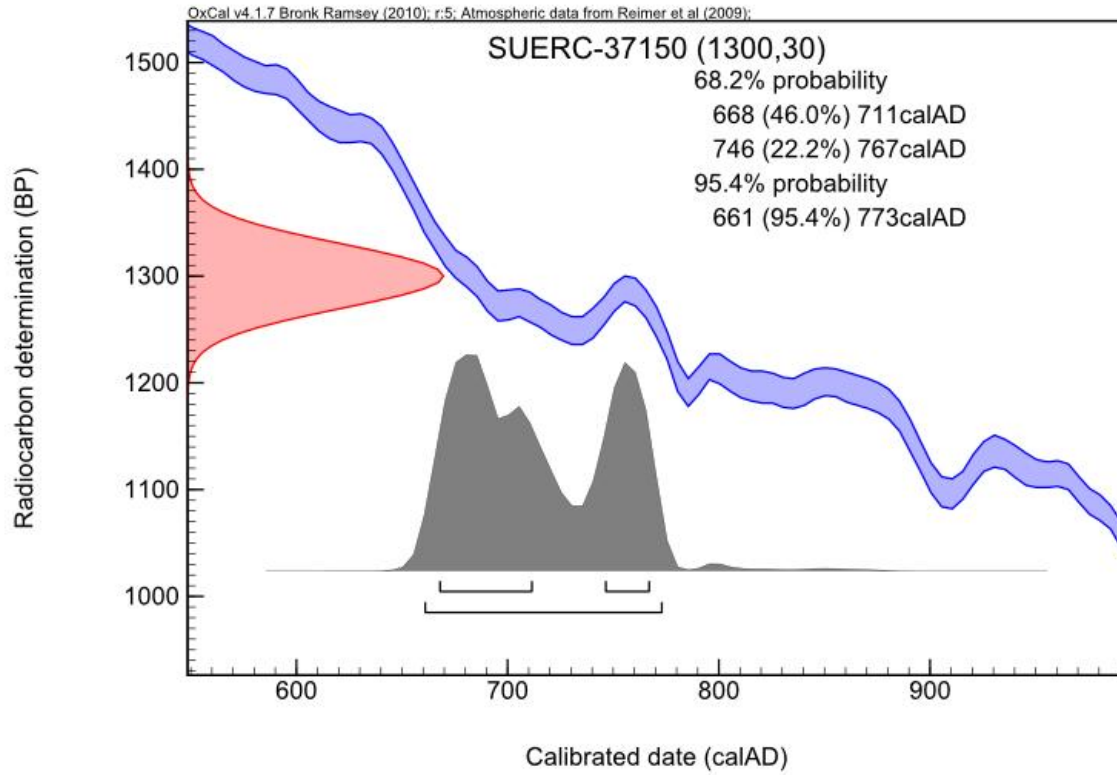
Date :-

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Date :-



Calibration Plot





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RADIOCARBON DATING CERTIFICATE

29 November 2011

Laboratory Code SUERC-37151 (GU25583)

Submitter Cheryl Allum
Glastonbury Abbey
The Abbey Gatehouse, Magdalene Street
Glastonbury
Somerset, BA6 9EL

Site Reference Glastonbury Abbey
Context Reference GLSGA: 2008/3/20/1
Sample Reference M311

Material Charcoal : Maloideae

$\delta^{13}\text{C}$ relative to VPDB -25.0 ‰ assumed

Radiocarbon Age BP 1230 \pm 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 :-

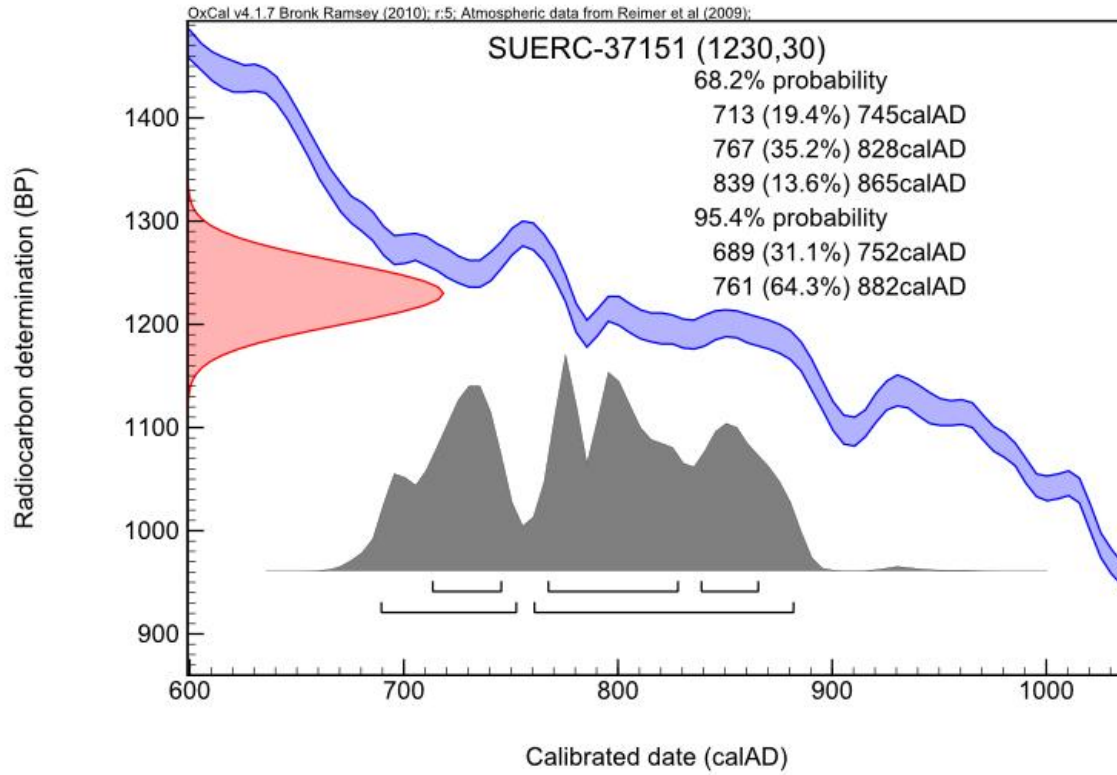
Date :-

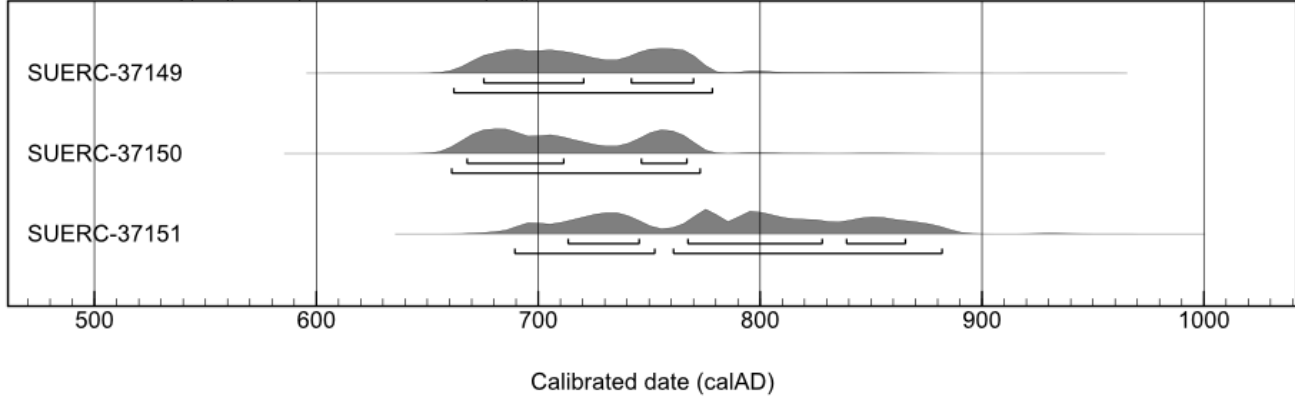
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RADIOCARBON DATING CERTIFICATE

8 June 2011

Laboratory Code SUERC-34515 (GU-24042)

Submitter Janet Bell
Glastonbury Abbey
The Abbey Gatehouse
Magdalene Street
Glastonbury BA6 9EL

Site Reference

Sample Reference GLSGA: 2008/3/28/2 (M493)

Material Charcoal

$\delta^{13}\text{C}$ relative to VPDB -24.8 ‰

Radiocarbon Age BP 1305 \pm 30

- N.B.**
1. 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.
 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. 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 :-

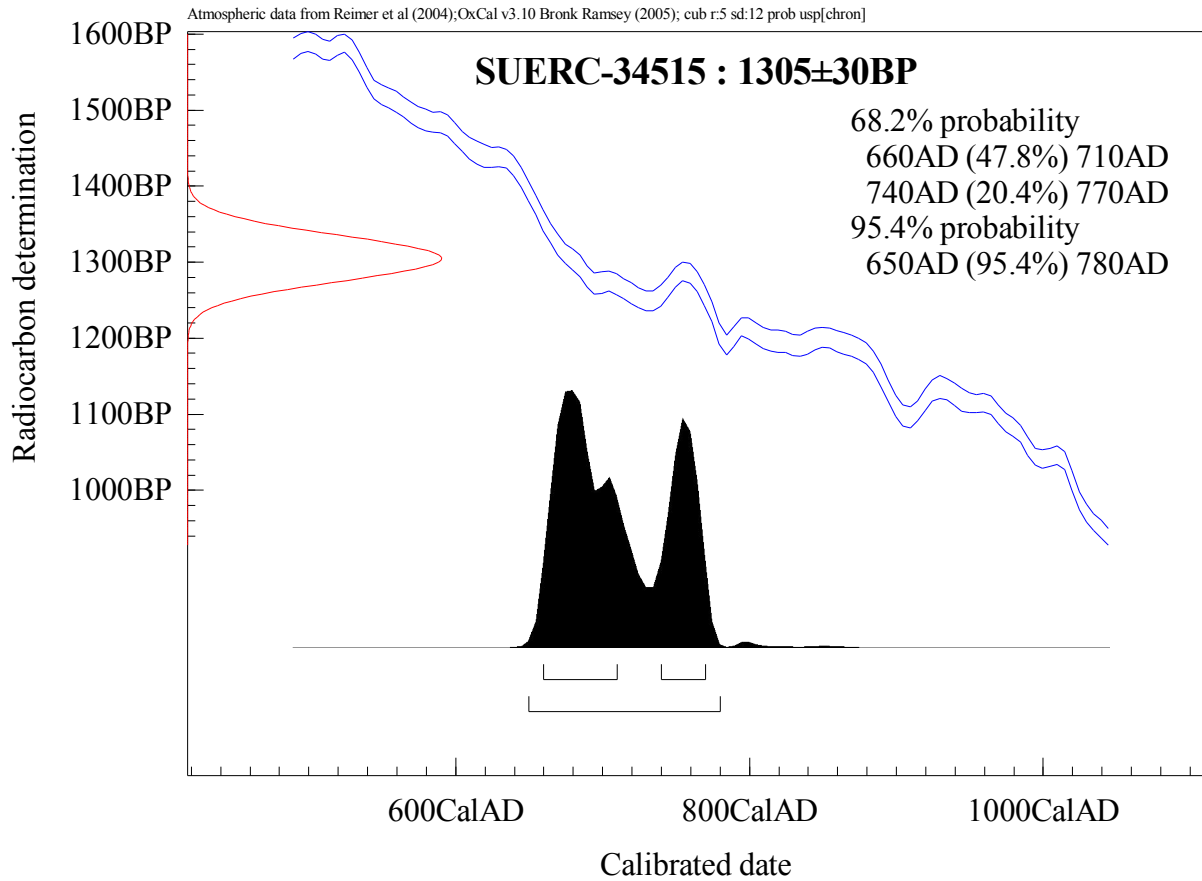
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RADIOCARBON DATING CERTIFICATE

8 June 2011

Laboratory Code SUERC-34516 (GU-24043)

Submitter Janet Bell
Glastonbury Abbey
The Abbey Gatehouse
Magdalene Street
Glastonbury BA6 9EL

Site Reference

Sample Reference GLSGA: 1991/146/1 (M72)

Material Charcoal

$\delta^{13}\text{C}$ relative to VPDB -27.1 ‰

Radiocarbon Age BP 1225 \pm 30

- N.B.**
1. 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.
 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. 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 :-

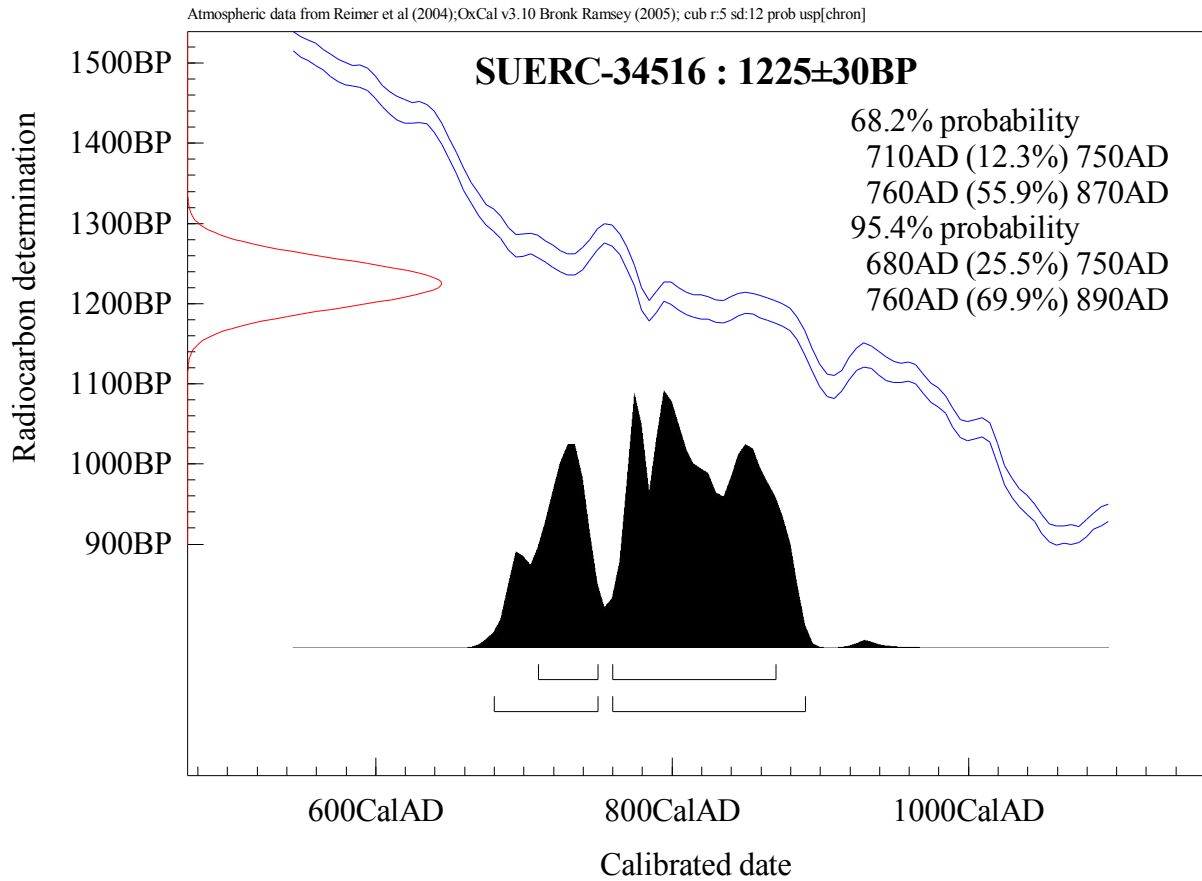
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RADIOCARBON DATING CERTIFICATE

8 June 2011

Laboratory Code SUERC-34517 (GU-24044)

Submitter Janet Bell
Glastonbury Abbey
The Abbey Gatehouse
Magdalene Street
Glastonbury BA6 9EL

Site Reference

Sample Reference GLSGA: 2008/3/34/1 (M497)

Material Charcoal

$\delta^{13}\text{C}$ relative to VPDB -26.0 ‰

Radiocarbon Age BP 1375 \pm 30

- N.B.**
1. 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.
 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. 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 :-

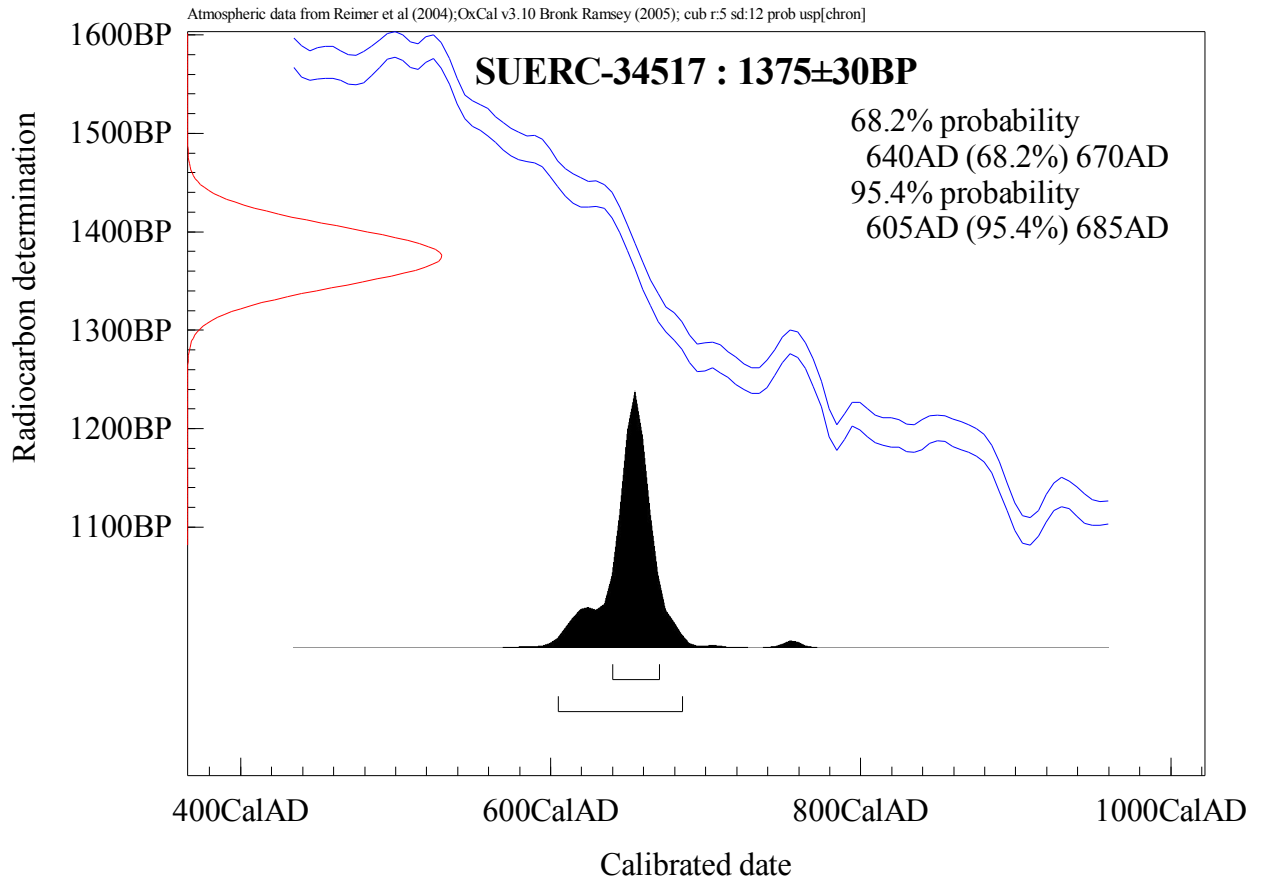
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RADIOCARBON DATING CERTIFICATE

8 June 2011

Laboratory Code SUERC-34518 (GU-24045)

Submitter Janet Bell
Glastonbury Abbey
The Abbey Gatehouse
Magdalene Street
Glastonbury BA6 9EL

Site Reference

Sample Reference GLSGA: 1993/81 (M117)

Material Charcoal

$\delta^{13}\text{C}$ relative to VPDB -25.8 ‰

Radiocarbon Age BP 920 \pm 30

- N.B.**
1. 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.
 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. 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 :-

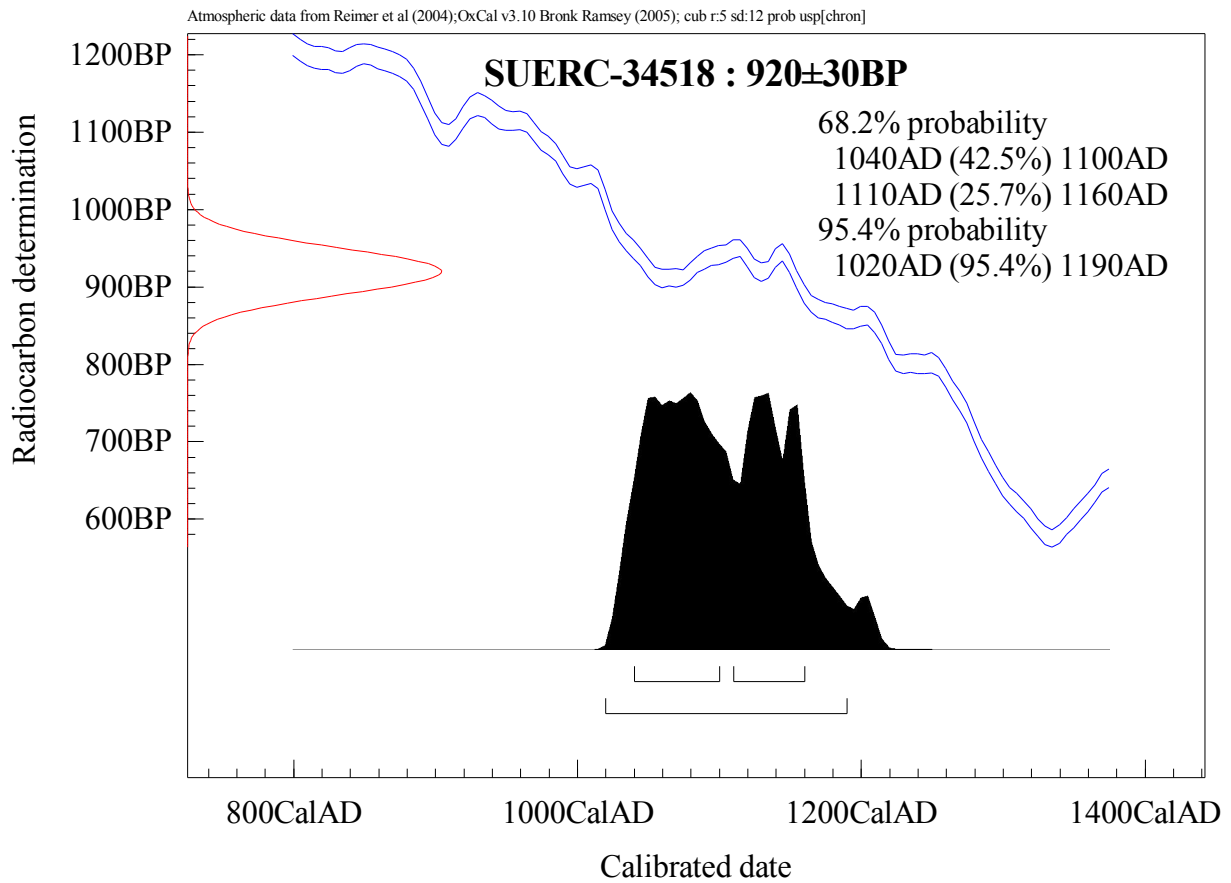
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Atmospheric data from Reimer et al (2004);OxCal v3.10 Bronk Ramsey (2005); cub r:5 sd:12 prob usp[chron]

