



Scottish Universities Environmental Research Centre

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RADIOCARBON DATING CERTIFICATE

09 July 2012

Laboratory Code SUERC-40794 (GU27567)

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South Road
Durham DH1 3LE

Site Reference Daggerstones, Swaledale

Context Reference C1

Sample Reference HP6/1

Material Antler : red deer

$\delta^{13}\text{C}$ relative to VPDB -21.3 ‰

$\delta^{15}\text{N}$ relative to air 4.5 ‰

C/N ratio (Molar) 3.2

Radiocarbon Age BP 210 ± 35

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 standards, background standards and the random machine error.

The calibrated age ranges are determined using the University of Oxford Radiocarbon Accelerator Unit calibration program OxCal 4.1 (Bronk Ramsey 2009). Terrestrial samples are calibrated using the IntCal09 curve while marine samples are calibrated using the Marine09 curve.

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

