

UBANo	Sample ID	Material Type	^{14}C Age	\pm	AMS $\delta^{13}\text{C}$	F14C	\pm	avgR0	uAC
UBA-21207	WAA12 RBH-B (125) Burial	Bone from a human femur midshaft	1799	41	-19.0	0.7994	0.0040	877.93	35.0

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Radiocarbon Date Certificate

Laboratory Identification: UBA-21207
Date of Measurement: 2012-11-07
Site: Papcastle - Derventio
Sample ID: WAA12 RBH-B (125) Burial
Material Dated: bone, antler or tooth root
Pretreatment: Collagen
Submitted by: Don O'Meara

¹⁴C Date: 1799±41 BP
AMS δ¹³C: -19.0

Information about radiocarbon calibration

RADIOCARBON CALIBRATION PROGRAM*

CALIB REV6.0.0

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*To be used in conjunction with:

Stuiver, M., and Reimer, P.J., 1993, Radiocarbon, 35, 215-230.

Annotated results (text) - -

Export file - c14res.csv

WAA12 RBH-

UBA-21207

Radiocarbon Age BP 1799 +/- 41

Calibration data set: intcal09.14c

% area enclosed cal AD age ranges

Reimer et al. 2009

relative area under
probability distribution

68.3 (1 sigma) cal AD 137- 255

1.000

95.4 (2 sigma) cal AD 91- 99

0.008

125- 341

0.992

References for calibration datasets:

PJ Reimer, MGL Baillie, E Bard, A Bayliss, JW Beck, PG Blackwell,
C Bronk Ramsey, CE Buck, GS Burr, RL Edwards, M Friedrich, PM Grootes,
TP Guilderson, I Hajdas, TJ Heaton, AG Hogg, KA Hughen, KF Kaiser, B Kromer,
FG McCormac, SW Manning, RW Reimer, DA Richards, JR Southon, S Talamo,
CSM Turney, J van der Plicht, CE Weyhenmeyer (2009) Radiocarbon 51:1111-1150.

Comments:

* This standard deviation (error) includes a lab error multiplier.

** 1 sigma = square root of (sample std. dev.^2 + curve std. dev.^2)

** 2 sigma = 2 x square root of (sample std. dev.^2 + curve std. dev.^2)

where ^2 = quantity squared.

[] = calibrated range impinges on end of calibration data set

0* represents a "negative" age BP

1955* or 1960* denote influence of nuclear testing C-14

NOTE: Cal ages and ranges are rounded to the nearest year which
may be too precise in many instances. Users are advised to
round results to the nearest 10 yr for samples with standard
deviation in the radiocarbon age greater than 50 yr.

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