IsoTrace Radiocarbon Laboratory

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Radiocarbon Analysis Report

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This result is the average of 2 separate analyses (normal precision) and is corrected for natural and sputtering isotope fractionation to a base of $\delta^{13}C = -25\,‰$, using the measured $^{13}C/^{12}C$ ratio. The sample age is quoted as an uncalibrated conventional radiocarbon date in years before present (BP), using the Libby ^{14}C meanlife of 8033 years. The error represents the 68.3 % confidence limit.

Sample Identification	Description	Weight used (mg)	IsoTrace Lab number	Age (years BP)
TS-1 (Atkinson Hearth)	charcoal frags	948	TO-10640	5250 ± 60

I would like to hear your comments on this result. If this result is used in a publication, I would appreciate it if you could send me a reprint.

Dr. R. P. Beukens

ISOTRACE RADIOCARBON CALIBRATION REPORT
Output by calibration program C14CAL98
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28-May-03

TO-10640 TS-1 (Atkinson Hearth) charcoal frags

Radiocarbon date : 5250 ± 60 BP

All solutions, with a probability of 50% or greater for the calibrated age of this radiocarbon date, have been calculated from the dendro calibration data. The 68% and 95% confidence intervals, which are the 1σ and 2σ limits for a normal distribution, are also given. A probability of 100% means the radiocarbon date intersects the dendro calibration curve at this age.
All results are rounded to the nearest multiple of 5 years.

Probability	cal Age	68.3 % c.i.	95.5 % c.i.
85 %	4210 cal BC	4220 BC - 4195 BC	4225 BC - 3960 BC
67 %	4135 cal BC	4160 BC - 4120 BC	4245 BC - 3955 BC
100 %	4040 cal BC	4050 BC - 3975 BC	4225 BC - 3960 BC
100 %	4015 cal BC	4050 BC - 3975 BC	4225 BC - 3960 BC
100 %	4000 cal BC	4050 BC - 3975 BC	4225 BC - 3960 BC

Calibrated with the standard data set INTCAL98 from:
M.Stuiver et al.; Radiocarbon 40#3 (1998) p1041