

Graham

ISOTRACE RADIOCARBON CALIBRATION REPORT
Output by calibration program C14CAL04
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22-Jun-07

TO-13362 Gr 5-6-39 bison - prox end metatarsal

Radiocarbon result : 121.12 ± .60 pMC

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.

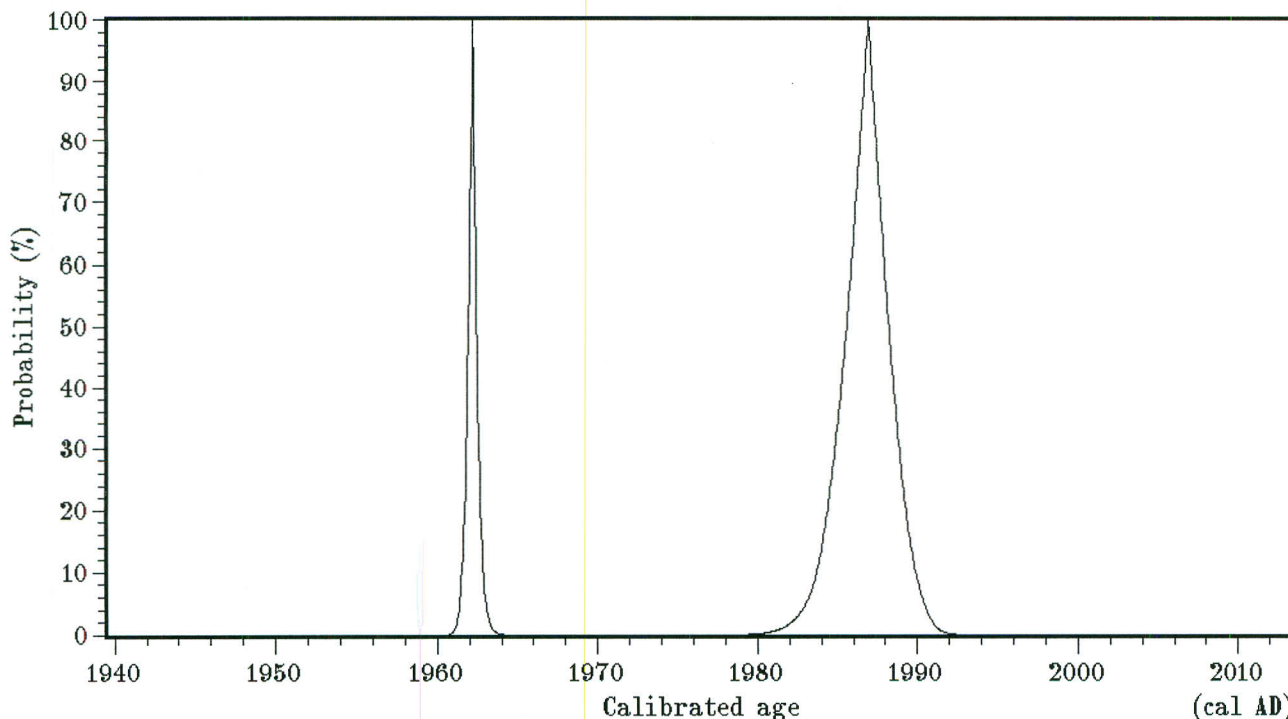
No.	Probability	cal Age	68.3 % c.i.	95.5 % c.i.
1	100 %	1962 cal AD	1962 AD - 1963 AD	1961 AD - 1963 AD
2	100 %	1987 cal AD	1985 AD - 1989 AD	1983 AD - 1990 AD

Calibrated with the summer C14 values of atmospheric CO2 data sets from Northern hemisphere, zone 1 stations, averaged over a 5 year interval.

I.Levin and B.Kromer; Radiocarbon 46#3 (2004) p1261

Q.Hua and M.Barbetti; Radiocarbon 46#3 (2004) p1273

As bomb C14 is still equilibrating with the world oceans and the biosphere this atmospheric CO2 data is not necessarily representative for the C14 in the biosphere. In addition, local input of C14-free fossil fuel CO2 into the atmosphere may vary considerably, depending on geographic location and season. Therefore, these results should be interpreted as estimates only, and may differ from the true values by several years.



Gr 8-5-7

ISOTRACE RADIOCARBON CALIBRATION REPORT
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22-Jun-07

TO-13367 Gr 8-5-7 bison - left appendicular

Radiocarbon date : 1090 ± 90 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.

No.	Probability	cal Age	68.3 % c.i.	95.5 % c.i.
1	100 %	975 cal AD	880 AD - 1020 AD	765 AD - 1155 AD

Calibrated with the standard data set from:
INTCAL04 Terrestrial Radiocarbon Age Calibration, 0-26 cal kyr BP
P.J.Reimer et al.; Radiocarbon 46#3 (2004) p1029

