

# IsoTrace Radiocarbon Laboratory

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*Interface between base of sand dune  
and surface of site occupation*

## Radiocarbon Analysis Report

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Submitter: B.A.Nicholson, Dept of Native Studies, Brandon Univ, Brandon MB

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

Sample Identification	Description	Weight used (mg)	IsoTrace Lab number	Age (years BP)
AT-RC04-1	charcoal	993	TO-11882	440 ± 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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30-Jan-05

TO-11882 AT-RC04-1 charcoal

Radiocarbon date : 440 ± 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  $1\sigma$  and  $2\sigma$  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.
100 %	1440 cal AD	1425 AD - 1480 AD	1400 AD - 1525 AD

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

