



REPORT OF RADIOCARBON DATING ANALYSES

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Sample Data	Measured Radiocarbon Age	¹³ C/ ¹² C Ratio	Conventional Radiocarbon Age(*)
Beta - 329870 SAMPLE : TA Corte Munecas B ANALYSIS : AMS-Standard delivery MATERIAL/PRETREATMENT : (charred material): acid/alkali/acid 2 SIGMA CALIBRATION : Cal BC 770 to 510 (Cal BP 2720 to 2460)	2490 +/- 30 BP	-25.3 o/oo	2490 +/- 30 BP

Dates are reported as RCYBP (radiocarbon years before present, "present" = AD 1950). By international convention, the modern reference standard was 95% the ¹⁴C activity of the National Institute of Standards and Technology (NIST) Oxalic Acid (SRM 4990C) and calculated using the Libby ¹⁴C half-life (5568 years). Quoted errors represent 1 relative standard deviation statistics (68% probability) counting errors based on the combined measurements of the sample, background, and modern reference standards. Measured ¹³C/¹²C ratios (delta ¹³C) were calculated relative to the PDB-1 standard.

The Conventional Radiocarbon Age represents the Measured Radiocarbon Age corrected for isotopic fractionation, calculated using the delta ¹³C. On rare occasion where the Conventional Radiocarbon Age was calculated using an assumed delta ¹³C, the ratio and the Conventional Radiocarbon Age will be followed by "**". The Conventional Radiocarbon Age is not calendar calibrated. When available, the Calendar Calibrated result is calculated from the Conventional Radiocarbon Age and is listed as the "Two Sigma Calibrated Result" for each sample.

CALIBRATION OF RADIOCARBON AGE TO CALENDAR YEARS

(Variables: C13/C12=-25.3:lab. mult=1)

Laboratory number: Beta-329870

Conventional radiocarbon age: 2490±30 BP

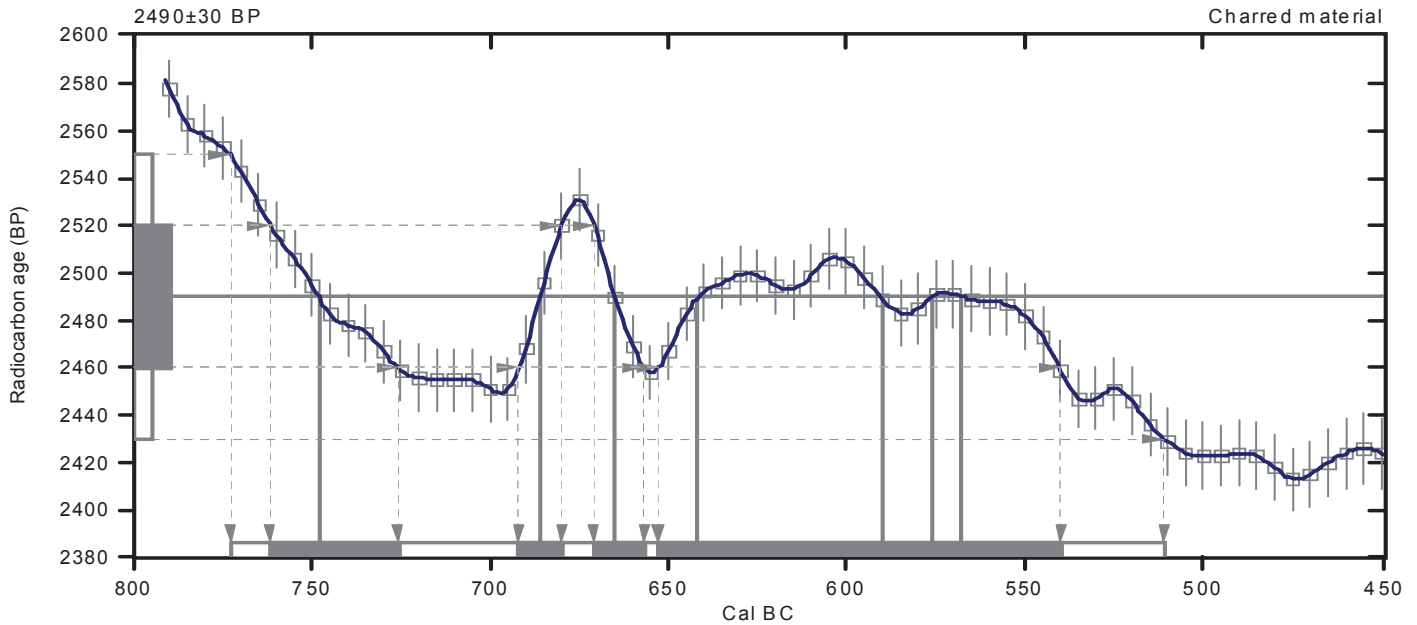
**2 Sigma calibrated result: Cal BC 770 to 510 (Cal BP 2720 to 2460)
(95% probability)**

Intercept data

Intercepts of radiocarbon age
with calibration curve:

Cal BC 750 (Cal BP 2700) and
Cal BC 690 (Cal BP 2640) and
Cal BC 660 (Cal BP 2620) and
Cal BC 640 (Cal BP 2590) and
Cal BC 590 (Cal BP 2540) and
Cal BC 580 (Cal BP 2530) and
Cal BC 570 (Cal BP 2520)

1 Sigma calibrated results: Cal BC 760 to 730 (Cal BP 2710 to 2680) and
(68% probability) Cal BC 690 to 680 (Cal BP 2640 to 2630) and
Cal BC 670 to 660 (Cal BP 2620 to 2610) and
Cal BC 650 to 540 (Cal BP 2600 to 2490)



References:

Database used

INTCAL09

References to *INTCAL09* database

Heaton, et al., 2009, Radiocarbon 51(4):1151-1164, Reimer, et al., 2009, Radiocarbon 51(4):1111-1150, Stuiver, et al., 1993, Radiocarbon 35(1):137-189, Oeschger, et al., 1975, Tellus 27:168-192

Mathematics used for calibration scenario

A Simplified Approach to Calibrating C14 Dates

Talma, A. S., Vogel, J. C., 1993, Radiocarbon 35(2):317-322

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