



Report on Radiocarbon Age Determination for Wk- 33746

Submitter M Casey
Submitter's Code 1-8053
Site & Location Darling Walk, Darling Harbour, Sydney, Australia

Sample Material Anadara trapezia
Physical Pretreatment Surfaces cleaned. Washed in an ultrasonic bath. Tested for recrystallization: aragonite.

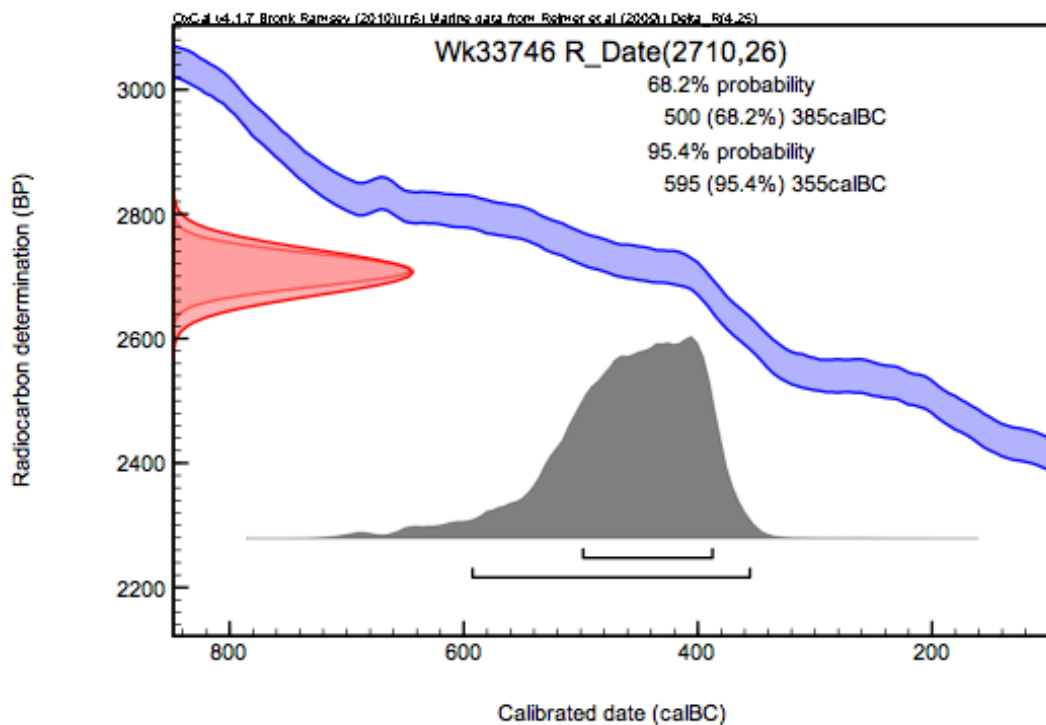
Chemical Pretreatment Sample acid washed using 0.1N HCl, rinsed and dried.

$\delta^{13}\text{C}$ 1.3 \pm 0.2 ‰
 D^{14}C -286.4 \pm 2.3 ‰
 $\text{F}^{14}\text{C}\%$ 71.4 \pm 0.2 ‰

Result 2710 \pm 26 BP

(AMS measurement)

Comments



- Result is *Conventional Age or Percent Modern Carbon (pMC)* following Stuiver and Polach, 1977, Radiocarbon 19, 355-363. This is based on the Libby half-life of 5568 yr with correction for isotopic fractionation applied. This age is normally quoted in publications and must include the appropriate error term and Wk number.
- Quoted errors are 1 standard deviation due to counting statistics multiplied by an experimentally determined Laboratory Error Multiplier.
- The isotopic fractionation, $\delta^{13}\text{C}$, is expressed as ‰ wrt PDB.
- $\text{F}^{14}\text{C}\%$ is also known as *Percent Modern Carbon (pMC)*



Report on Radiocarbon Age Determination for Wk- 33747

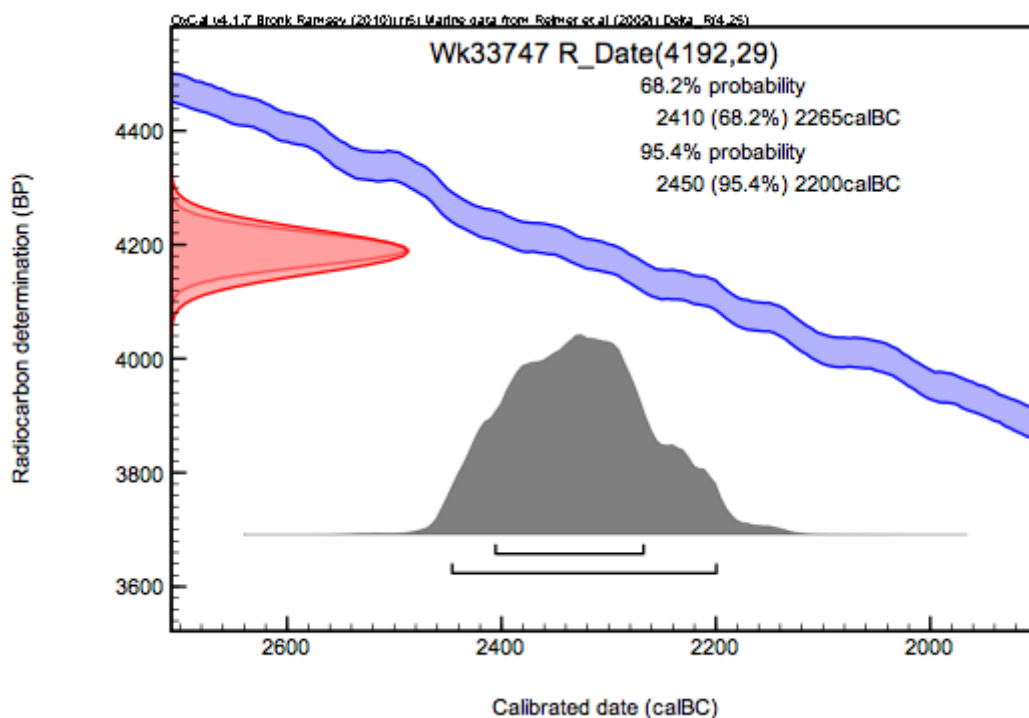
Submitter	M Casey
Submitter's Code	2-7920
Site & Location	Darling Walk, Darling Harbour, Sydney, Australia
Sample Material	Anadara trapezia
Physical Pretreatment	Surfaces cleaned. Washed in an ultrasonic bath. Tested for recrystallization: aragonite.
Chemical Pretreatment	Sample acid washed using 0.1N HCl, rinsed and dried.

$\delta^{13}\text{C}$	1.3 \pm 0.2 ‰
D ¹⁴ C	-406.6 \pm 2.2 ‰
F ¹⁴ C%	59.3 \pm 0.2 ‰

Result **4192 \pm 29 BP**

(AMS measurement)

Comments



Alan Hogg
 5/06/12

- Result is *Conventional Age or Percent Modern Carbon (pMC)* following Stuiver and Polach, 1977, Radiocarbon 19, 355-363. This is based on the Libby half-life of 5568 yr with correction for isotopic fractionation applied. This age is normally quoted in publications and must include the appropriate error term and Wk number.
- Quoted errors are 1 standard deviation due to counting statistics multiplied by an experimentally determined Laboratory Error Multiplier.
- The isotopic fractionation, $\delta^{13}\text{C}$, is expressed as ‰ wrt PDB.
- F¹⁴C% is also known as *Percent Modern Carbon (pMC)*



Report on Radiocarbon Age Determination for Wk- 33748

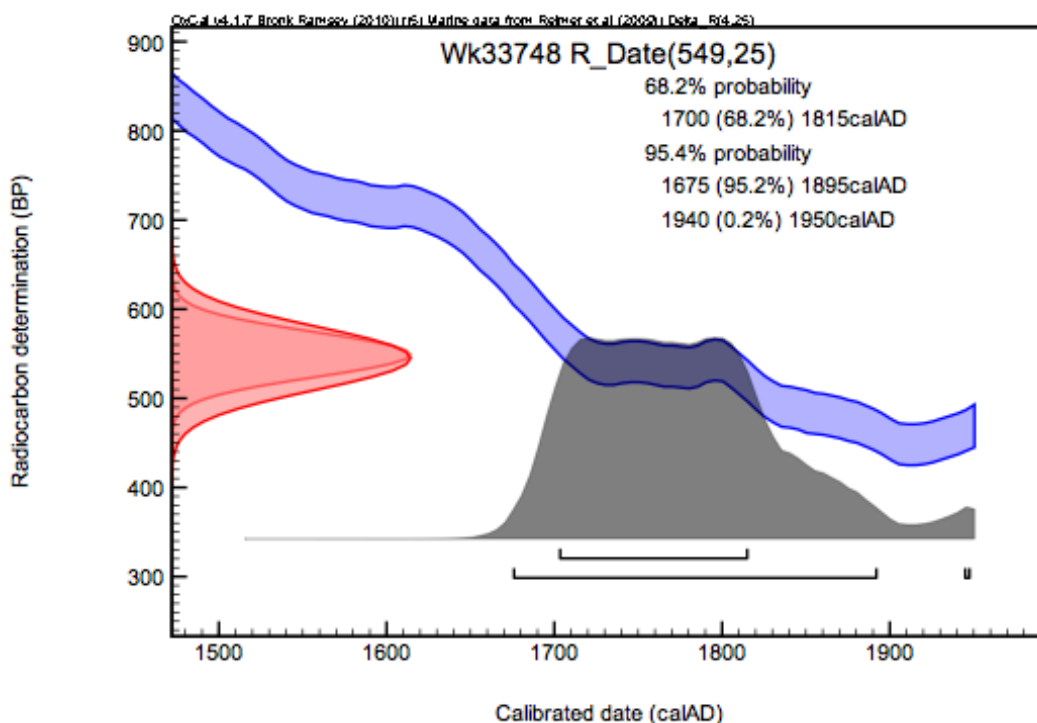
Submitter M Casey
Submitter's Code 3-8078
Site & Location Darling Walk, Darling Harbour, Sydney, Australia
Sample Material Anadara trapezia
Physical Pretreatment Surfaces cleaned. Washed in an ultrasonic bath. Tested for recrystallization: aragonite.
Chemical Pretreatment Sample acid washed using 0.1N HCl, rinsed and dried.

$\delta^{13}\text{C}$ 1.0 \pm 0.2 ‰
 D^{14}C -66.0 \pm 2.9 ‰
 $\text{F}^{14}\text{C}\%$ 93.4 \pm 0.3 %

Result 549 \pm 25 BP

(AMS measurement)

Comments



Alan Hogg
 5/06/12

- Result is *Conventional Age or Percent Modern Carbon (pMC)* following Stuiver and Polach, 1977, Radiocarbon 19, 355-363. This is based on the Libby half-life of 5568 yr with correction for isotopic fractionation applied. This age is normally quoted in publications and must include the appropriate error term and Wk number.
- Quoted errors are 1 standard deviation due to counting statistics multiplied by an experimentally determined Laboratory Error Multiplier.
- The isotopic fractionation, $\delta^{13}\text{C}$, is expressed as ‰ wrt PDB.
- $\text{F}^{14}\text{C}\%$ is also known as *Percent Modern Carbon (pMC)*



Report on Radiocarbon Age Determination for Wk- 33749

Submitter M Casey
Submitter's Code 4-8082
Site & Location Darling Walk, Darling Harbour, Sydney, Australia

Sample Material Anadara trapezia
Physical Pretreatment Surfaces cleaned. Washed in an ultrasonic bath. Tested for recrystallization: aragonite.

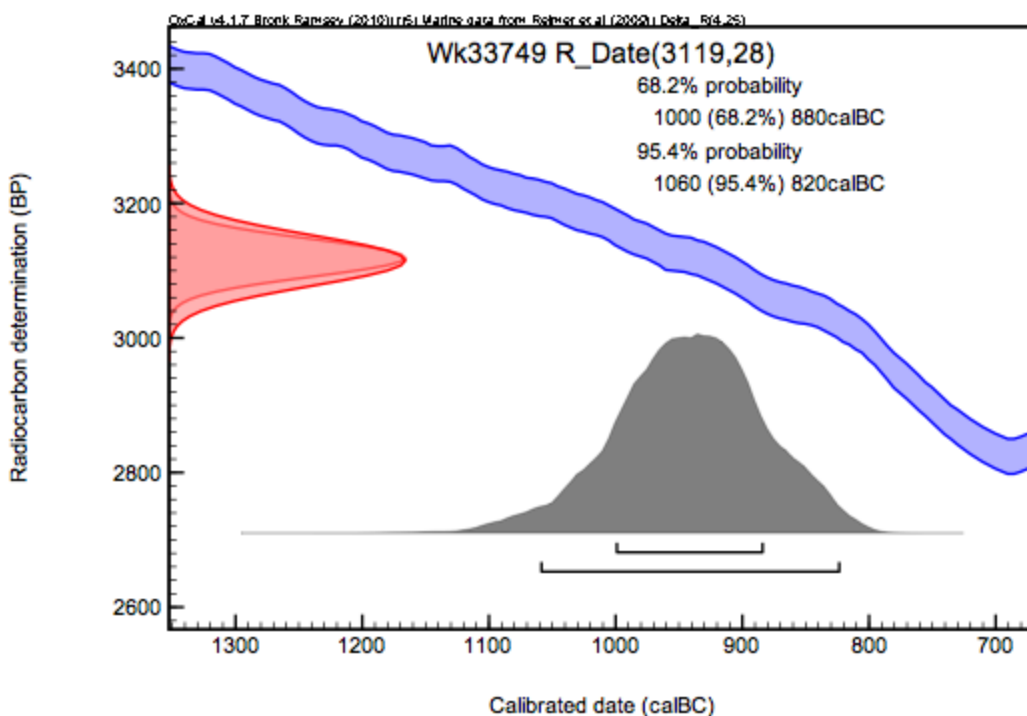
Chemical Pretreatment Sample acid washed using 0.1N HCl, rinsed and dried.

$\delta^{13}\text{C}$ 0.3 \pm 0.2 ‰
 D^{14}C -321.8 \pm 2.4 ‰
 $\text{F}^{14}\text{C}\%$ 67.8 \pm 0.2 ‰

Result 3119 \pm 28 BP

(AMS measurement)

Comments



Alan Hogg
 5/06/12

- Result is *Conventional Age or Percent Modern Carbon (pMC)* following Stuiver and Polach, 1977, Radiocarbon 19, 355-363. This is based on the Libby half-life of 5568 yr with correction for isotopic fractionation applied. This age is normally quoted in publications and must include the appropriate error term and Wk number.
- Quoted errors are 1 standard deviation due to counting statistics multiplied by an experimentally determined Laboratory Error Multiplier.
- The isotopic fractionation, $\delta^{13}\text{C}$, is expressed as ‰ wrt PDB.
- $\text{F}^{14}\text{C}\%$ is also known as *Percent Modern Carbon (pMC)*



Report on Radiocarbon Age Determination for Wk- 33750

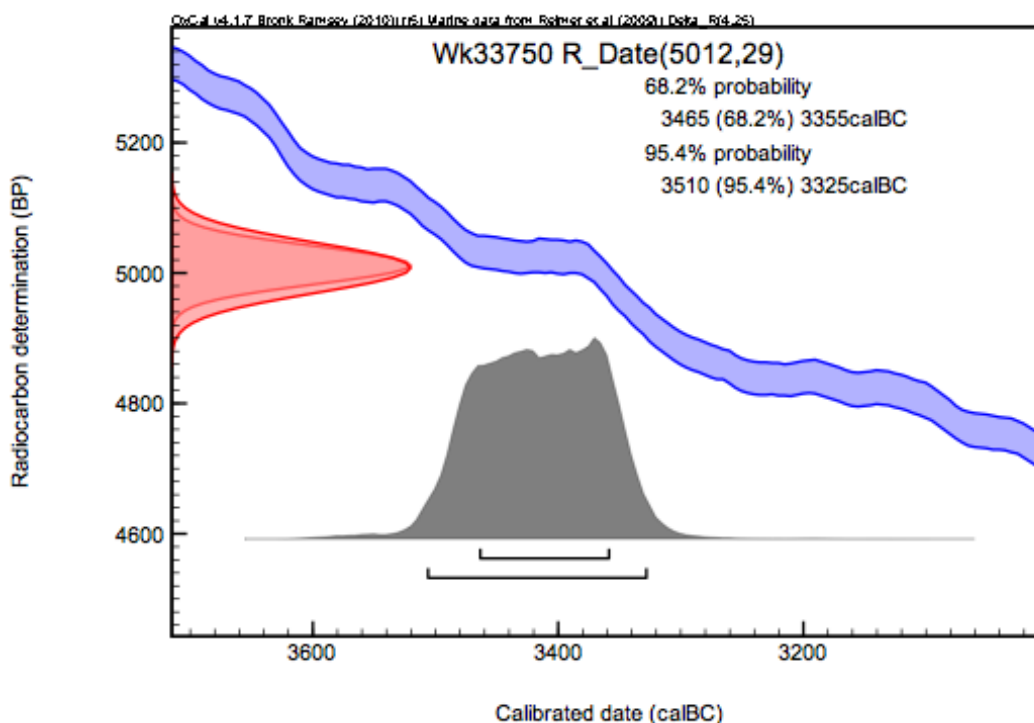
Submitter	M Casey
Submitter's Code	5-8082
Site & Location	Darling Walk, Darling Harbour, Sydney, Australia
Sample Material	Anadara trapezia
Physical Pretreatment	Surfaces cleaned. Washed in an ultrasonic bath. Tested for recrystallization: aragonite.
Chemical Pretreatment	Sample acid washed using 0.1N HCl, rinsed and dried.

$\delta^{13}\text{C}$	1.0 ± 0.2 ‰
D ¹⁴ C	-464.1 ± 2.0 ‰
F ¹⁴ C%	53.6 ± 0.2 ‰

Result 5012 ± 29 BP

(AMS measurement)

Comments



Alan Hogg
 5/06/12

- Result is *Conventional Age or Percent Modern Carbon (pMC)* following Stuiver and Polach, 1977, Radiocarbon 19, 355-363. This is based on the Libby half-life of 5568 yr with correction for isotopic fractionation applied. This age is normally quoted in publications and must include the appropriate error term and Wk number.
- Quoted errors are 1 standard deviation due to counting statistics multiplied by an experimentally determined Laboratory Error Multiplier.
- The isotopic fractionation, $\delta^{13}\text{C}$, is expressed as ‰ wrt PDB.
- F¹⁴C% is also known as *Percent Modern Carbon (pMC)*