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# Radiocarbon Analysis

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Aeon #	Sample	Yield %	Mass C mg	$\delta^{13}\text{C}$ ‰	F <sup>14</sup> C	±	<sup>14</sup> C age Years BP	±
914	14SQ5-30-C1	50.1%	0.42	-21.9	0.1401	0.0008	15,790	45
915	14SQ5-30-C1B	49.5%	0.96	-22.9	0.1345	0.0007	16,115	40
916	14SQ5-30-C3	55.9%	0.97	-24.3	0.0235	0.0003	30,140	110
917	14SQ5-30-C4	59.0%	1.04	-27.4	0.0213	0.0002	30,930	90
918	14SQ5-30-M1	11.5%	1.00	-12.4	0.1109	0.0005	17,665	35
919	14SQ5-30-M2	11.6%	1.01	-8.1	0.0817	0.0004	20,115	40

## Notes

Aeon 915 analyzed the base-soluble fraction of the sample.

Item	Description
<b>Aeon #</b>	The unique identifier for each radiocarbon analysis performed by Aeon. Use this number for publication: e.g., "Aeon-137"
<b>Sample</b>	The customer-provided sample identifier.
<b>Yield</b>	The percentage of carbon in the sub-sample <sup>[1]</sup> analyzed by Aeon.
<b>Mass C</b>	The mass of the carbon subjected to AMS analysis. Does not include any portion used for stable isotope analysis.
$\delta^{13}\text{C}$	The relative difference between the <sup>13</sup> C/ <sup>12</sup> C ratio of the test sample <sup>[2]</sup> and that of the VPDB standard, expressed in per mille
F <sup>14</sup> C	The <sup>14</sup> C activity ratio <sup>[3]</sup> (corrected for isotopic fractionation and background activity).
<sup>14</sup> C age	The conventional radiocarbon age, normalized to -25‰, based on a 5568-year half-life.
±	The 1σ uncertainty for the value to the left.

<sup>[1]</sup> the sub-sample is the pretreated representative selection from the total sample material submitted.

<sup>[2]</sup> the test sample consists of the carbon extracted from the sub-sample.

<sup>[3]</sup> relative to "Modern" as defined by the Oxalic Acid I standard.

## References

Stuiver, M., Polach, H., 1977. Discussion: Reporting of 14C data. Radiocarbon 19 (3), 355-363.  
van der Plicht, J., Hogg, A., 2006. A note on reporting radiocarbon. Quaternary Geochronology 1 (4), 237-240.