

Comparaison internationale inter-laboratoires ¹⁴C AMS (SIRI) (2015)

Résultats du laboratoire de radiochronologie du C.E.N. (Université Laval)

Valeurs consensus de la comparaison SIRI

Code Échantillon		Âge ¹⁴ C (BP) ULaval	±	Âge ¹⁴ C (BP) SIRI	±	Âge ¹⁴ C (BP) SIRI intervalle
SIRI-A	Bois (blanc)	>51700		50864		
SIRI-B	Os	39570	1890	39165	2301	36864-41466
SIRI-C	Os (blanc)	>45700		46550		
SIRI-D	Orge	Moderne		Moderne		
SIRI-E	Bois	10875	30	10827	77	10750-10904
SIRI-F	Bois	355	20	370	34	336-404
SIRI-G	Bois	380	20	378	40	338-418
SIRI-H	Bois	350	20	385	36	349-421
SIRI-I	Bois	10005	30	9987	49	9938-10036
SIRI-J	Charbon	32460	370	31768	1067	30701-32835
SIRI-K	Carbonate (blanc)	>54700		51603		
SIRI-L	Bois (blanc)	>51700		51989		
SIRI-N	Acide humique	3355	20	3370	52	3318-3422

Sample A: Wood; Reichwalde 3 (Miocene) provided by the University of Hohenheim

Sample B: Bone; Mammal bone (Pleistocene) from the North Sea provided by Prof. H van der Plicht

Sample C: Bone; Mammoth bone (Marine Isotope Stage 7; background sample) (Sample LQL4) from Latton Quarry, Wiltshire/Gloucestershire (SU 081 965)

Sample D: Barley Mash; from a Scottish whisky distillery.

Sample E: Wood; Provided by Alan Hogg, decadal sample, Tawa YD Kauri wood rings 1251-60. Waikato code is WK-26412

Sample F: Wood; (Medieval Period) Provided by Queens University Belfast

Sample G: Wood: Provided by Queens University Belfast, floor joist from a house

Sample H: Wood; Provided by Queens University Belfast

Sample I: Wood; a single ring from Lake Gribben (Younger Dryas), provided by Irina Panyushkina, University of Arizona

Sample J: Charcoal from a Palaeolithic site CHAUVET-PONT D'ARC CAVE SAMPLES

Sample K: Carbonate; Doublespar from Iceland (background sample), provided by Prof J Heinemeier

Sample L: Wood; From Oregon (background sample) provided by Irina Panyushkina, University of Arizona

Sample N: Humic acid (<1 half- life) from a peat deposit in Scotland. Part of the VIRI T peat