

Saclay, Centre des Faibles Radioactivités^{1, 2}

Laboratory number	Published reference	Original date or other value	Corrected date or other value	$\delta C^{14}, \text{‰}$	A.D./B.C. date
Sa-2 ⁹	141:245	1160 ± 150			A.D. 790
-3 ¹⁰	141:245	1270 ± 150			A.D. 680
-4 ¹¹	141:245	880 ± 150			A.D. 1070
-5 ¹²	141:245	920 ± 150			A.D. 1030
-6 ³	141:245	400 ± 150			A.D. 1550
-9 ³	141:246	450 ± 120			A.D. 1500
-10 ³	141:240	575 ± 120			A.D. 1375
-11 ⁷	141:240	1235 ± 120			A.D. 715
-12 ³	141:240	2220 ± 150			270 B.C.
-13 ³	141:243	10,800 ± 400			8850 B.C.
-14 ³	141:243	12,070 ± 400			10,120 B.C.
-15 ³	141:243	10,500 ± 400			8550 B.C.
-16 ³	141:244	7350 ± 350			5400 B.C.
-20	141:245	1620 ± 150			A.D. 330
-21	141:245	1490 ± 150			A.D. 460
-22	141:245	1360 ± 150			A.D. 590
-23	141:246	1490 ± 150			A.D. 460
-24	141:246	1350 ± 150			A.D. 600
-25	141:246	1375 ± 150			A.D. 575
-30 ³	141:239	8100 ± 350			6150 B.C.
-31 ³	141:233	643 ± 120			A.D. 1307
-32 ³	141:233	480 ± 120			A.D. 1470
-33 ³	141:234	modern			
-34	141:234	modern			
-35 ³	141:234	4040 ± 400			2090 B.C.
-37 ⁴	101:2	740 ± 120			A.D. 1210
-39 ³	141:234	4630 ± 300			2680 B.C.
-40 ³	141:234	3880 ± 300			1930 B.C.
-41 ³	141:234	4480 ± 300			2530 B.C.
-42 ³	141:234	4100 ± 300			2150 B.C.
-43 ³	141:234	2770 ± 300			820 B.C.
-46 ³	141:234	4260 ± 300			2310 B.C.
-47 ³	141:243	6500 ± 400			4450 B.C.
-48 ³	141:244	1540 ± 150			A.D. 410
-49 ^{3, 5}	141:244	10,200 ± 400			8250 B.C.
-51 ³	141:240	1500 ± 120			A.D. 450
-52 ³	141:240	1330 ± 120			A.D. 620
-53	141:246	11,550 ± 450			9600 B.C.
-55 ³	141:241	4680 ± 300			2730 B.C.
-56	141:246	2970 ± 170			1020 B.C.
-57	141:246	5470 ± 300			3520 B.C.
-59	141:241	5410 ± 300			3460 B.C.
-60	141:235	1800 ± 160			A.D. 150
-61	141:243	480 ± 150			A.D. 1470
-62	141:241	5030 ± 300			3080 B.C.
-65	141:241	4270 ± 300			2320 B.C.
-66	141:241	5470 ± 300			3520 B.C.
-67	141:247	1150 ± 150			A.D. 400
-68	141:235	1740 ± 150			A.D. 210
-69	141:235	7630 ± 350			5680 B.C.
-70	141:235	7380 ± 350			5430 B.C.
-71	141:235	7100 ± 350			5150 B.C.
-75	141:244	340 ± 120			A.D. 1610
-76	141:242	950 ± 120			A.D. 1000
-77	141:243	740 ± 120			A.D. 1210
-78	141:242	1170 ± 120			A.D. 760
-79	141:247	5410 ± 300			3460 B.C.
-80	141:240	>25,000			
-81	141:239	5650 ± 300			3700 B.C.
-82	141:240	19,500 ± 1000			17,550 B.C.

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-83	141:239	1670 ± 150			A.D. 280
-89	141:247	Modern			
-90	141:238	7650 ± 350			5700 B.C.
-91	141:240	1210 ± 120			A.D. 740
-92	141:242	1330 ± 120			A.D. 620
-93	141:242	1680 ± 150			A.D. 270
-94	141:239	8580 ± 350			6630 B.C.
-95	141:247	5840 ± 300			3890 B.C.
-96	141:247	5720 ± 300			3770 B.C.
-100	141:242	5140 ± 300			3190 B.C.
-101	141:236	2020 ± 160			70 B.C.
-102	141:247	16,100 ± 500			14,150 B.C.
-103	170:239	13,500 ± 450			11,650 B.C.
-104	141:236	5400 ± 300			3450 B.C.
-106	141:236	3040 ± 200			1090 B.C.
-108	141:236	730 ± 100			A.D. 1220
-109	141:244	1650 ± 150			A.D. 300
-163	141:237	4200 ± 250			2250 B.C.
-164	141:237	5400 ± 300			3450 B.C.
-165	141:237	15,200 ± 500			13,250 B.C.
-166	141:237	13,600 ± 450			11,650 B.C.
-167	141:237	12,800 ± 450			10,850 B.C.
-168	141:237	>30,000			
-169	141:237	>30,000			
-170	141:237	>30,000			
-171	141:237	6600 ± 300			4650 B.C.
-172	141:238	23,000 ± 1500			21,050 B.C.
-173	141:238	28,500 ± 2500			26,550 B.C.
-174	141:238	15,500 ± 500			13,550 B.C.
-175	141:238	18,300 ± 800			16,350 B.C.
-176	141:238	3660 ± 200	[fine fraction]		1710 B.C.
-176	141:238	1410 ± 140	[coarse fraction]		A.D. 540
-177	141:238	11,700 ± 400	[fine fraction]		9750 B.C.
-177	141:238	11,800 ± 400	[coarse fraction]		9850 B.C.
-178	141:249	$\Delta + 110 \pm 20^{14}$		+ 110 ± 20	
-179	141:249	$\Delta + 190 \pm 20$		+ 190 ± 20	
-180	141:249	$\Delta + 340 \pm 20$		+ 340 ± 20	
-181	141:249	$\Delta + 280 \pm 20$		+ 280 ± 20	
-182	141:249	$\Delta + 95 \pm 15$		+ 131 ± 15	
-183	141:249	$\Delta + 220 \pm 20$		+ 260 ± 20	
-184	141:249	$\Delta + 375 \pm 20$		+ 420 ± 20	
-185	141:249	$\Delta + 191 \pm 20$		+ 230 ± 20	
-186	141:249	$\Delta + 278 \pm 20$		+ 320 ± 20	
-187	141:249	$\Delta + 304 \pm 20$		+ 365 ± 20	
-188	141:249	$\Delta + 496 \pm 20$		+ 545 ± 20	
-189	141:249	$\Delta + 549 \pm 20$		+ 600 ± 20	
-190	141:235	2350 ± 150			400 B.C.
-190 bis	141:248	660 ± 120			A.D. 1290
-191	141:248	1620 ± 150			A.D. 330
-192	141:248	1650 ± 150			A.D. 300
-193	141:248	<100			
-194	170:237	6050 ± 300			4100 B.C.
-195	170:238	7030 ± 350			5080 B.C.
-196	170:238	5150 ± 300			3200 B.C.
-197	170:238	6430 ± 300			4480 B.C.
-198	170:237	6320 ± 350			4370 B.C.
-199	170:237	3320 ± 200			1370 B.C.
-200	170:240	23,300 ± 1000			21,350 B.C.
-202	170:240	3460 ± 200			1510 B.C.
-204	170:237	1710 ± 150			A.D. 240
-205	170:238	3950 ± 250			2000 B.C.
-207	170:239	900 ± 120			A.D. 1050

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-208	170:239	5400 \pm 300			3450 B.C.
-209	170:243	1540 \pm 150			A.D. 410
-210	170:242	5610 \pm 320			3660 B.C.
-211	170:241	1520 \pm 150			A.D. 430
-212	170:241	Modern			
-212 bis	170:242	Modern			
-216	170:242	20,200 \pm 1000			18,250 B.C.
-217	170:242	6160 \pm 300			4210 B.C.
-219	170:238	150 \pm 100			A.D. 1800
-220	170:239	9500 \pm 400			7550 B.C.
-221	170:239	7300 \pm 350			5350 B.C.
-223	170:240	3220 \pm 200			1270 B.C.
-224	170:240	780 \pm 100			A.D. 1170
-225	170:240	2440 \pm 160			490 B.C.
-226	170:238	1700 \pm 150			A.D. 250
-227	170:237	1010 \pm 120			A.D. 840
-228 ¹³	170:236	2440 \pm 180			490 B.C.
-229	170:243	4030 \pm 250			2080 B.C.
-230	170:236	4740 \pm 300			2790 B.C.
-233	170:242	13,600 \pm 450			11,650 B.C.
-234	170:241	1770 \pm 150			A.D. 180
-235	170:241	4420 \pm 250			2470 B.C.
-236	170:241	8240 \pm 350			6290 B.C.
-237	170:243	5720 \pm 300			3770 B.C.
-241	170:243	4500 \pm 300			2550 B.C.
-242	170:239	9200 \pm 400			7250 B.C.
-243	170:244	8620 \pm 350			6670 B.C.
-244	170:244	11,520 \pm 400			9580 B.C.
-245	170:236	1075 \pm 120			A.D. 875
-247	170:241	7550 \pm 350			5600 B.C.

¹ Sa (and Gsy, ref. 181) are obsolete designations, two laboratories having joined, beginning 1966, with code designation Gif (ref. 182). Measurements published (refs. 100, 101) before Saclay I, 1964, are included here, but those published after Saclay II, 1965, are not.

² Reference standard before 1961 was wood of A.D. 1930 to 1945, not corrected for Suess effect. NBS oxalic-acid standard was adopted in 1961 (ref. 141).

³ Samples so designated were published, with different sample numbers, in ref. 101.

⁴ Published, as sample O-7, without geologic data, and not republished in Saclay I. Suess-effect correction may not have been applied.

⁵ Cf. C-484, from same layer.

⁶ Also published (sample T₁, 723 \pm 120) by Gif laboratory, ref. 100.

⁷ Also published (sample T₂, 1381 \pm 120) by Gif laboratory, ref. 100.

⁸ Also published (sample B₁, 2050 \pm 160) by Gif laboratory, ref. 100; the sample is dated historically as 300 \pm 30 B.C.

⁹ Also published (sample B₂, 1160 \pm 120) by Gif laboratory, ref. 100.

¹⁰ Also published (sample B₃, 1271 \pm 120) by Gif laboratory, ref. 100.

¹¹ Also published (sample B₄, 884 \pm 120) by Gif laboratory, ref. 100.

¹² Also published (sample B₅, 924 \pm 120) by Gif laboratory, ref. 100.

¹³ A similar sample was published (B₇, 2127 \pm 100) by Gif laboratory, ref. 100.

¹⁴ δC^{13} values used to compute Δ are averages of Lamont and Stockholm values.

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Laboratory number	Published reference	Original date or other value	Corrected date or other value	$\delta C^{14}, \%$	A.D./B.C. date
SI-3 ¹	134:182	10,900 \pm 145			8950 B.C.
-4 ²	134:182	17,145 \pm 210			15,195 B.C.
-4 ²	134:182	16,555 \pm 250	d		
-9 ³	134:182	2820 \pm 115			870 B.C.
-10 ⁴	134:182	160 \pm 80			A.D. 1790
-12	134:185	1030 \pm 60	See SI-117 d		