

New Zealand, Institute of Nuclear Science^{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
NZ-1	111:119	1820 ± 150 ^s			A.D. 130
-2	111:119	3440 ± 70 ^s			1490 B.C.
-3	111:119	1640 ± 70 ^s			A.D. 310
-4	111:119	1920 ± 150 ^s			A.D. 30
-5	111:119	3170 ± 200			1220 B.C.
-6	111:119	>31,000			
-7	111:119	2400 ± 170			450 B.C.
-8	111:119	2420 ± 170			470 B.C.
-9	111:120	930 ± 150			A.D. 1020
-10	111:120	930 ± 70			A.D. 1020
-11	111:120	9270 ± 80			7320 B.C.
-12	111:120	20,670 ± 300			18,720 B.C.
-13	111:120	4720 ± 70			2770 B.C.
-14	111:120	>37,000			
-15	111:121	840 ± 50			A.D. 1110
-16	111:121	13,870 ± 250			11,920 B.C.
-17	111:121	>35,000			
-18	111:121	>35,000			
-19	111:121	>37,000			
-20	111:121	>37,000			
-21	111:121	>37,000			
-22	111:122	>35,000			
-23	111:122	>37,000			
-24	111:122	3520 ± 100			1570 B.C.
-25	111:122	>40,000			
-26	111:122	2420 ± 100			470 B.C.
-27	111:122	3720 ± 100			1770 B.C.
-28	111:122	5920 ± 100			3970 B.C.
-29	111:122	34,750 ± 1000			32,800 B.C.
-30	111:123	4470 ± 100			2520 B.C.
-31	111:123	4400 ± 100			2450 B.C.
-32	111:123	Modern			
-33	111:123	4830 ± 70			2880 B.C.
-34	111:123	19,200 ± 500			17,250 B.C.
-37	111:123	1780 ± 60			A.D. 170
-38	111:123	1800 ± 70			A.D. 150
-39	111:123	850 ± 50			A.D. 1100
-40	111:124	>42,000			
-41	111:124	20,900 ± 300			18,950 B.C.
-42	111:124	>40,000			
-43	111:124	>42,000			
-44	111:124	>42,000			
-45	111:124	2370 ± 70			420 B.C.
-46	111:124	1450 ± 70			A.D. 500
-47	111:125	660 ± 60			A.D. 1290
-48	111:125	620 ± 60			A.D. 1330
-49	111:125	8200 ± 150			6250 B.C.
-50	111:125	850 ± 50			A.D. 1100
-51	111:125	230 ± 60			A.D. 1720
-52	111:125	830 ± 50			A.D. 1120
-53	111:125	740 ± 75			A.D. 1210
-54	111:126	390 ± 60			A.D. 1560
-55	111:126	520 ± 55			A.D. 1430
-56	111:126	520 ± 55 (carbonate)			A.D. 1430
-56	111:126	550 ± 55 (organic)			A.D. 1400
-57	111:126	600 ± 60			A.D. 1350
-58	111:126	810 ± 60			A.D. 1140
-59	111:126	410 ± 55 (carbonate)			A.D. 1540
-59	111:126	400 ± 55 (organic)			A.D. 1550
-60	111:127	450 ± 60			A.D. 1500

Laboratory number	Published reference	Original date or other value	Corrected date or other value	$\delta C^{14}, \text{‰}$	A.D./B.C. date
-61	111:127	590 ± 50			A.D. 1360
-62	111:127	600 ± 60			A.D. 1350
-63	111:127	400 ± 60			A.D. 1550
-64	111:127	360 ± 60			A.D. 1590
-65	111:127	>45,000			
-66	111:127	6570 ± 100			4620 B.C.
-67	111:128	Modern			
-68	111:128	Modern			
-69	111:128	8800 ± 120			6850 B.C.
-70	111:128	>48,000			
-72	111:128	4620 ± 80			2670 B.C.
-73	111:128	4550 ± 80			2600 B.C.
-74	111:128	>45,000			
-75	111:129	3570 ± 70			1620 B.C.
-76	111:129	43,000 ± 2000			41,050 B.C.
-77	111:129	18,000 ± 200			16,050 B.C.
-78	111:129	19,800 ± 300			17,850 B.C.
-79	111:129	>43,000			
-80	111:129	>45,000			
-81	111:129	9900 ± 150			7950 B.C.
-82	111:129	2000 ± 100			50 B.C.
-84	111:129	1550 ± 80			A.D. 400
-85	111:130	>37,000			
-86	111:130	940 ± 70			A.D. 1010
-87	111:130	>40,000			
-88	111:130	15,100 ± 200			
-89	111:130	650 ± 60			A.D. 1300
-90	111:130	670 ± 60			A.D. 1280
-91	111:130	1020 ± 60			A.D. 930
-92	111:130	>45,000			
-93	111:131	6050 ± 110			4100 B.C.
-94	111:131	>45,000			
-95	111:131	>42,000			
-96	111:131	>40,000			
-97	111:131	6050 ± 80			4100 B.C.
-98	111:131	10,200 ± 120			8250 B.C.
-99	111:131	>45,000			
-100	111:131	2200 ± 60			250 B.C.
-101	111:131	2190 ± 60			240 B.C.
-102	111:132	21,500 ± 350			19,550 B.C.
-103	111:132	21,300 ± 350			19,350 B.C.
-104	111:132	22,300 ± 350			20,350 B.C.
-105	111:132	22,800 ± 350			20,850 B.C.
-106	111:132	37,500 ± 1600			35,550 B.C.
-107	111:132	1650 ± 60			A.D. 300
-108	111:132	>41,000			
-109	111:132	24,000 ± 500			22,050 B.C.
-110	111:132	27,000 ± 600			25,050 B.C.
-111	111:132	7230 ± 100			5280 B.C.
-112	111:133	11,500 ± 160			9550 B.C.
-113	111:133	2030 ± 100			80 B.C.
-114	111:133	1030 ± 60			A.D. 920
-115	111:133	>40,000			
-116	111:133	22,300 ± 350			20,350 B.C.
-117	111:133	6800 ± 90			4850 B.C.
-118	111:133	9400 ± 120			7450 B.C.
-119	111:134	8000 ± 150			6050 B.C.
-120	111:134	6200 ± 120			4250 B.C.
-121	111:134	>43,000			

Radiocarbon Measurements:

<i>Laboratory number</i>	<i>Published reference</i>	<i>Original date or other value</i>	<i>Corrected date or other value</i>	$\delta C^{14}, \text{‰}$	<i>A.D./ B.C. date</i>
-125	111:134	>45,000			
-126	111:134	>45,000			
-127	111:135	6620 ± 100			4670 B.C.
-128	111:135	1450 ± 60			A.D. 500
-129	111:135	620 ± 80			A.D. 1330
-130	111:135	<100			
-131	111:135	<100			
-132	111:135	3320 ± 120			1370 B.C.
-133	111:135	320 ± 60			A.D. 1630
-134	111:135	765 ± 30			A.D. 1185
-135	111:135	see NZ-134	755 ± 30		A.D. 1195
-136	111:136	630 ± 50			A.D. 1320
-137	111:136	460 ± 50			A.D. 1490
-138	111:136	460 ± 80			A.D. 1490
-139	111:136	310 ± 60			A.D. 1640
-140	111:136	390 ± 80			A.D. 1560
-141	111:136	470 ± 60			A.D. 1480
-142	111:136	290 ± 80			A.D. 1660
-143	111:136	320 ± 50			A.D. 1630
-144	111:136	345 ± 50			A.D. 1605
-145	111:136	215 ± 50			A.D. 1735
-146	111:136	280 ± 80			A.D. 1670
-147	111:137	450 ± 60			A.D. 1500
-148	111:137	<160			
-149	111:137	310 ± 60			A.D. 1640
-150	111:137	19,500 ± 1000			17,550 B.C.
-151	111:137	27,500 ± 3000			25,550 B.C.
-152	111:137	<200			
-153	111:137	<250			
-154	111:137	580 ± 100			A.D. 1370
-155	111:137	250 ± 80			A.D. 1700
-156	111:137	250 ± 80			A.D. 1700
-157	111:138	2270 ± 100			320 B.C.
-158	111:138	1760 ± 80			A.D. 190
-159	111:138	1750 ± 80			A.D. 200
-160	111:138	1300 ± 80			A.D. 650
-161	111:138	1780 ± 80			A.D. 170
-162	111:138	1830 ± 70			A.D. 120
-163	111:138	1840 ± 50			A.D. 110
-164	111:138	1890 ± 70			A.D. 60
-165	111:139	1900 ± 70			A.D. 50
-166	111:139	840 ± 50			A.D. 1110
-167	111:139	3110 ± 70			1160 B.C.
-168	111:139	1900 ± 60			A.D. 50
-169	111:139	900 ± 40			A.D. 1050
-170	111:139	1800 ± 50			A.D. 150
-171	111:139	2650 ± 150			700 B.C.
-172	111:140	1800 ± 100			A.D. 150
-173	111:140	1750 ± 50			A.D. 200
-174	111:140	1800 ± 100			A.D. 150
-175	111:140	1850 ± 100			A.D. 100
-176	111:140	1900 ± 70			A.D. 50
-177	111:140	2500 ± 200			550 B.C.
-178	111:140	2100 ± 100			150 B.C.
-179	111:140	3420 ± 70			1470 B.C.

Laboratory number	Published reference	Original date or other value	Corrected date or other value	$\delta C^{14}, \%$	A.D./B.C. date
-190	111:141	1190 ± 60			
-191	111:142	>45,000			A.D. 760
-192	111:142	>40,000			
-193	111:142	39,000 ± 3000			37,050 B.C.
-194	111:142	30,300 ± 800			28,350 B.C.
-195	111:142	6270 ± 120			4320 B.C.
-196	111:142	5400 ± 80			3450 B.C.
-197	111:142	>33,000			
-198	111:142	29,000 ± 800			27,050 B.C.
-199	111:143	3740 ± 100			1790 B.C.
-200	111:143	390 ± 60			A.D. 1560
-201	111:143	<120			
-202	111:143	<200			
-203	111:143	<200			
-204	111:143	<100			
-205	111:143	>40,000			
-206	111:143	6700 ± 250			4750 B.C.
-207	111:143	18,000 ± 500			16,050 B.C.
-215	111:143	29,000 ± 1500			27,050 B.C.
-216	111:144	28,000 ± 1000			26,050 B.C.
-217	111:144	28,000 ± 1000			26,050 B.C.
-218	111:144	>42,000			
-219	111:144	>40,000			
-220	111:144	750 ± 50			A.D. 1200
-221	111:144	280 ± 40			A.D. 1670
-222	111:144	770 ± 50			A.D. 1180
-223	111:145	>30,000			
-224	111:145	>42,000			
-225	111:145	9000 ± 160			7050 B.C.
-226	111:145	<200			
-227	111:145	>36,000			
-265	111:145	980 ± 60			A.D. 970
-266	111:145	1160 ± 60			A.D. 790
-267	111:145	1540 ± 60			A.D. 410
-268	111:146	1760 ± 70			A.D. 190
-269	111:146	2370 ± 70			420 B.C.
-270	111:146	2730 ± 70			780 B.C.
-271	111:146	3150 ± 80			1200 B.C.
-272	111:146	3900 ± 90			1950 B.C.
-273	111:146	<250			
-274	111:146	5520 ± 70			3570 B.C.
-275	111:146	7780 ± 80			5830 B.C.
-276	111:147	8530 ± 110			6580 B.C.
-277	111:147	5270 ± 80			3320 B.C.
-278	111:147	1180 ± 55			A.D. 770
-279	111:147	5620 ± 90			3670 B.C.
-280	111:147	3720 ± 85			1770 B.C.
-281	111:147	9850 ± 130			7900 B.C.
-282	111:147	7470 ± 120			5520 B.C.
-283	111:148	2920 ± 100			970 B.C.
-284	111:148	3885 ± 125			1935 B.C.
-285	111:148	280 ± 60			A.D. 1670
-286	111:148	1040 ± 50			A.D. 910
-287	111:148	2800 ± 80			850 B.C.
-288	111:148	2800 ± 80			850 B.C.
-289	111:148	3400 ± 100			1450 B.C.
-290	111:148	3950 ± 100			2000 B.C.
-291	111:149	2100 ± 60			150 B.C.
-292	111:149	3400 ± 90			1450 B.C.
-293	111:149	855 ± 50			A.D. 1095
-294	111:149	980 ± 25			A.D. 970
-295	111:149	615 ± 75			A.D. 1335

Radiocarbon Measurements:

Laboratory number	Published reference	Original date or other value	Corrected date or other value	δC^{14} , ‰	A.D./B.C. date
-296	111:149	1690 ± 60			A.D. 260
-297	111:149	8350 ± 135			6400 B.C.
-298	111:150	1570 ± 65			A.D. 380
-299	111:150	2760 ± 75			810 B.C.
-300	111:150	3380 ± 75			1430 B.C.
-301	111:150	6560 ± 100			4610 B.C.
-302	111:150	9820 ± 155			7870 B.C.
-303	111:150	1530 ± 60			A.D. 420
-304	111:150	510 ± 50			A.D. 1440
-305	111:150	2040 ± 60			90 B.C.
-306	111:151	3750 ± 80			1800 B.C.
-307	111:151	3160 ± 808			1210 B.C.
-308	111:151	6980 ± 100			5030 B.C.
-309	111:151	4660 ± 90			2710 B.C.
-310	111:151	2990 ± 110			1040 B.C.
-311	111:151	2460 ± 70			510 B.C.
-312	111:151	735 ± 55			A.D. 1215
-313	111:152	6290 ± 110			4340 B.C.
-314	111:152	7600 ± 160			5650 B.C.
-315	111:152	1510 ± 55			A.D. 440
-316	111:152	2565 ± 130			615 B.C.
-317	111:152	4400 ± 90			2450 B.C.
-318	111:152	<120			
-319	111:152	3540 ± 230			1590 B.C.
-320	111:153	2450 ± 80			500 B.C.
-321	111:153	3250 ± 80			1300 B.C.
-322	111:153	4550 ± 100			2600 B.C.
-323	111:153	<200			
-324	111:153	7090 ± 115			5140 B.C.
-325	111:153	4410 ± 320			2460 B.C.
-326	111:154	9580 ± 150			7630 B.C.
-327	111:154	<200			
-328	111:154	930 ± 165			A.D. 1020
-329	111:154	16,300 ± 270			14,350 B.C.
-330	111:154	20,000 ± 500			18,050 B.C.
-331	111:154	34,000 ± 1500			32,050 B.C.
-332	111:154	>43,000			
-333	111:154	5370 ± 90			3420 B.C.
-334	111:155	11,900 ± 750			9950 B.C.
-335	111:155	1420 ± 60			A.D. 530
-336	111:155	1750 ± 60			A.D. 200
-337	111:155	1130 ± 60			A.D. 820
-338	111:155	1970 ± 70			20 B.C.
-339	111:155	11,500 ± 170			9550 B.C.
-340	111:155	11,900 ± 200			9950 B.C.
-341	111:155	31,300 ± 900			29,350 B.C.
-342	111:156	41,000 ± 2300			39,050 B.C.
-343	111:156	>39,000			
-344	111:156	800 ± 60			A.D. 1150
-345	111:156	1680 ± 60			A.D. 270
-346	111:156	1810 ± 65			A.D. 140
-347	111:156	5610 ± 90			3660 B.C.
-348	111:156	>40,000			
-349	111:156	37,500 ± 1900			35,550 B.C.
-350	111:157	>40,000			
-351	111:157	>39,800			
-352	111:157	1950 ± 75			A.D. 1
-353	111:157	28,000 ± 600			26,050 B.C.
-354	111:157	640 ± 50			A.D. 1310
-355	111:157	600 ± 50			A.D. 1350
-356	111:157	<200			
-357	111:158	590 ± 50			A.D. 1360

Laboratory number	Published reference	Original date or other value	Corrected date or other value	$\delta C^{14}, \%$	A.D./B.C. date
-358	111:158	810 ± 50			A.D. 1140
-359	111:158	650 ± 50			A.D. 1300
-360	111:158	240 ± 50			A.D. 1710
-361	111:158	1880 ± 60			A.D. 70
-362	111:158	1850 ± 50			A.D. 100
-363	111:158	1950 ± 120			A.D. 1
-364	111:158	4800 ± 100			2850 B.C.
-365	111:158	3240 ± 80			1290 B.C.
-366	111:159	15,000 ± 1500			13,050 B.C.
-367	111:159	370 ± 45			A.D. 1580
-368	111:159	5090 ± 200			3140 B.C.
-369	111:159	5020 ± 120			3070 B.C.
-370	111:159	8390 ± 135			6440 B.C.
-371	111:159	385 ± 50			A.D. 1565
-372	111:160	8020 ± 130			6070 B.C.
-373	111:160	39,600 ± 2000			37,650 B.C.
-374	111:160	760 ± 50			A.D. 1190
-375	111:160	715 ± 50			A.D. 1235
-376	111:160	1850 ± 80			A.D. 100
-377	111:160	1915 ± 65			A.D. 35
-378	111:160	>40,000			
-379	111:161	>34,000			
-380	111:161	7400 ± 200			5450 B.C.
-381	111:161	11,100 ± 130			9150 B.C.

¹ Modern standard, both for terrestrial organic matter and for shallow-water marine carbonates, is age-corrected pre-industrial wood, not significantly different from 95% of NBS oxalic-acid standard. Shallow-water shells are believed not to require a special correction for isotopic fractionation.

² Dates as published in ref. 111 are believed not to require correction. References to original New Zealand date lists I-V are given in ref. 111.

Humble, Esso Production Research Company¹

Laboratory number	Published reference	Original date or other value	Corrected date or other value	$\delta C^{14}, \%$	A.D./B.C. date
O-1A ²	50:922	>35,000			
-4A ²	50:922	>35,000			
-5A ²	50:921	17,500 ± 2000			15,550 B.C.
-6 ²	50:920	2520 ± 110			570 B.C.
-7 ²	50:921	2750 ± 110			800 B.C.
-7A ²	50:920	1900 ± 150			A.D. 50
-8 ²	50:921	1220 ± 100			A.D. 730
-9 ²	50:921	520 ± 100			1430 A.D.
-11A ²	50:921	6520 ± 300			4570 B.C.
-12	49:147	1130 ± 100	see O-27		
-12A ²	50:921	2750 ± 200	see O-22		800 B.C.
-13A ²	50:921	3200 ± 120	see O-29		
-14A ²	50:921	4300 ± 200			2350 B.C.
-22 ²	50:921	2800 ± 110	2775 ± 110 c		825 B.C.
-23	49:147	980 ± 100	see O-27		
-24	49:147	1410 ± 100			A.D. 540
-25	49:147	1420 ± 100			A.D. 530
-26	49:148	1180 ± 100			A.D. 770
-27	49:147	1080 ± 100	1050 ± 100 c		A.D. 900
-28 ²	49:148	1900 ± 110			A.D. 50
-29 ²	50:921	2900 ± 200	3150 ± 120 c		1200 B.C.
-30	49:148	2200 ± 110			250 B.C.
-39 ²	49:148	200 ± 100	see O-44		
-41 ²	49:149	2560 ± 110			610 B.C.