

Laboratory number	Published reference	Original date or other value	Corrected date or other value	$\delta C^{14}, \text{‰}$	A.D./B.C. date
-21	118:303	8120 ± 240			6170 B.C.
-22	118:303	5630 ± 160			3690 B.C.
-23	118:303	7400 ± 190			5450 B.C.
-24	118:303	8150 ± 210			6200 B.C.
-25	118:303	3250 ± 140			1300 B.C.
-26	128:110	3830 ± 130			1880 B.C.
-27	128:110	1350 ± 140			A.D. 600
-28	128:110	7110 ± 170			5160 B.C.
-29	128:110	4400 ± 130			2450 B.C.
-30	128:110	8490 ± 200			6540 B.C.
-31	128:110	6170 ± 160			4220 B.C.
-32	128:111	7080 ± 140			5130 B.C.
-33	128:111	500 ± 100			A.D. 1450

<sup>1</sup> All dates reprinted as published in original lists, without further scrutiny. Reference standard is 50-yr-old pine, probably not significantly different from 0.95 x NBS oxalic acid.

### Trondheim, Norwegian Institute of Technology

Laboratory number	Published reference	Original date or other value	Corrected date or other value	$\delta C^{14}, \text{‰}$	A.D./B.C. date
T-23	43:176	2510 ± 140	Av. 2440 ± 100	-268 ± 11	490 B.C.
-26	43:176	2370 ± 140		-256 ± 13	
-37	41:79	1190 ± 60		-143 ± 5	A.D. 770
-44	42:92	1900 ± 100		-205 ± 10	A.D. 60
-45	42:92	1580 ± 380		-178 ± 20	A.D. 380
-48	42:92	1600 ± 360		-180 ± 14	A.D. 360
-50	41:77	10,500 ± 400		-729 ± 19	8540 B.C.
-51	42:85	11,680 ± 170		-766 ± 9	9720 B.C.
-53	41:77	10,720 ± 240		-737 ± 17	8760 B.C.
-55	41:77	2560 ± 70		-273 ± 8	600 B.C.
-80	41:78	8770 ± 100		-665 ± 6	6810 B.C.
-81	41:78	9410 ± 220		-690 ± 12	7450 B.C.
-82	41:80	1430 ± 80		-165 ± 8	A.D. 530
-83	41:80	1410 ± 75		-159 ± 7	A.D. 550
-86	41:80	1430 ± 80		-163 ± 9	A.D. 530
-87	41:78	9090 ± 230		-678 ± 12	7130 B.C.
-88	41:78	8710 ± 280		-662 ± 15	6750 B.C.
-89A	42:88	2100 ± 130		-224 ± 14	140 B.C.
-89B	42:88	2400 ± 150		-262 ± 12	440 B.C.
-90	41:78	4980 ± 160		-462 ± 12	3020 B.C.
-91A	42:88	3700 ± 150		-365 ± 14	1740 B.C.
-91B	42:88	3100 ± 120		-316 ± 11	1140 B.C.
-92	41:79	>31,000		-992 ± 17	
-98	41:79	7200 ± 270		-592 ± 15	5240 B.C.
-99	42:94	800 ± 90		-95 ± 11	A.D. 1160
-100	42:95	800 ± 100		-98 ± 12	A.D. 1160
-101	42:95	610 ± 90		-75 ± 11	A.D. 1350
-105	42:90	11,700 ± 300	See T-105 bis c		
-105bis	43:161	12,000 ± 300		-776 ± 12	10,050 B.C.
-106	42:90	11,600 ± 300		-766 ± 13	9640 B.C.
-107	42:91	7780 ± 190		-620 ± 12	5820 B.C.
-110	42:85	11,500 ± 400		-761 ± 18	9540 B.C.
-111	42:86	10,700 ± 300	See T-111 bis c		10,050 B.C.
-111bis	43:161	11,000 ± 300		-746 ± 13	9050 B.C.
-112	42:85	11,500 ± 230		-761 ± 11	9540 B.C.
-113	42:85	10,200 ± 350		-720 ± 17	8240 B.C.
-114	144:284	0 ± 60		+8 ± 8	
-115	144:284	0 ± 135		+1 ± 14	

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-116	42:90	>36,000		-1004 ± 13	
-117	42:87	9950 ± 300		-710 ± 13	7910 B.C.
-118	42:86	9850 ± 350	See T-118 bis d		
-118bis	43:161	10,050 ± 350		-713 ± 14	8100 B.C.
-119A	42:87	9250 ± 250		-683 ± 12	7290 B.C.
-119B	42:87	7300 ± 200		-590 ± 12	5340 B.C.
-119C	42:87	9450 ± 250	9700 ± 250 c	-700 ± 12	7490 B.C.
-120	42:87	9100 ± 180		-678 ± 12	7140 B.C.
-121	42:87	6570 ± 150		-558 ± 12	4610 B.C.
-122	42:87	660 ± 100	See T-122 bis c		
-122bis	43:161	980 ± 100		-116 ± 12	A.D. 970
-123	42:87	6850 ± 170		-573 ± 12	4890 B.C.
-124	42:86	10,300 ± 250		-722 ± 10	8340 B.C.
-125	42:86	9880 ± 240		-708 ± 13	7920 B.C.
-126	42:86	4820 ± 160		-452 ± 13	2860 B.C.
-127	42:92	3410 ± 140		-346 ± 10	1450 B.C.
-128	42:92	3970 ± 100		-390 ± 9	2010 B.C.
-129	42:92	4130 ± 120		-402 ± 10	2170 B.C.
-130	42:93	6100 ± 140		-532 ± 10	4140 B.C.
-131	42:93	6860 ± 140		-574 ± 9	4900 B.C.
-132	42:93	1120 ± 90		-130 ± 10	A.D. 840
-133	42:93	4700 ± 120		-443 ± 10	2740 B.C.
-134	42:93	2220 ± 110		-241 ± 12	260 B.C.
-136	42:94	2220 ± 110		-241 ± 10	260 B.C.
-137	42:95	2010 ± 110		-222 ± 11	50 B.C.
-138	42:88	12,200 ± 350		-781 ± 11	10,240 B.C.
-139	42:88	12,700 ± 350		-794 ± 11	10,740 B.C.
-140	42:	34,000 ± 3000		-986 ± 10	32,040 B.C.
-141	42:89	5250 ± 150		-480 ± 11	3290 B.C.
-142	42:89	11,500 ± 300		-760 ± 13	9540 B.C.
-143	42:89	>27,000		-999 ± 28	
-146	42:91	>44,000		-1000 ± 5	
-148	42:89	>23,000		-976 ± 25	
-149A	42:90	13,000 ± 400		-802 ± 11	11,040 B.C.
-149B	42:90	13,150 ± 300		-806 ± 9	11,190 B.C.
-150	42:90	12,650 ± 300		-793 ± 9	10,690 B.C.
-151	42:90	11,300 ± 300		-756 ± 9	9340 B.C.
-152	42:90	10,800 ± 300		-739 ± 11	8840 B.C.
-153	42:91	9000 ± 200		-674 ± 10	7040 B.C.
-156	42:91	6420 ± 160		-551 ± 12	4460 B.C.
-157	43:177	530 ± 100		-68 ± 10	A.D. 1420
-160	42:91	>39,000		-998 ± 6	
-162	42:94	3670 ± 130		-367 ± 11	1710 B.C.
-163	42:94	3860 ± 140		-382 ± 11	1900 B.C.
-164	42:95	950 ± 80		-136 ± 8	A.D. 1010
-165	42:95	1980 ± 100		-219 ± 10	20 B.C.
-168	42:91	12,550 ± 200		-790 ± 8	10,590 B.C.
-169	43:179	>32,500		-989 ± 10	
-170	43:179	>39,000		-996 ± 9	
-171	43:179	>33,000		-988 ± 9	
-172	43:179	>38,000		-996 ± 9	
-178bis	43:161	10,200 ± 220		-720 ± 11	8250 B.C.
-178bis	43:168	10,200 ± 220		-720 ± 9	8250 B.C.
-179	43:168	9750 ± 250		-706 ± 9	7800 B.C.
-180bis	43:162	9200 ± 300		-682 ± 14	7250 B.C.
-180bis	43:168	9250 ± 300		-682 ± 14	7300 B.C.
-181bis	43:168	2050 ± 150		-226 ± 14	100 B.C.
-181bis	43:162	2050 ± 150		-226 ± 15	100 B.C.
-182	43:165	7750 ± 150		-621 ± 10	5800 B.C.
-183	43:162	5500 ± 150		-495 ± 12	3550 B.C.
-184	43:162	5700 ± 150		-513 ± 11	3750 B.C.

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-185	43:163	6350 ± 150		-545 ± 11	4400 B.C.
-186	43:163	4100 ± 100		-399 ± 8	2150 B.C.
-187	43:166	10,350 ± 300		-725 ± 10	8400 B.C.
-187bis	43:162	10,350 ± 300		-725 ± 10	8400 B.C.
-188	144:288	1750 ± 100		-194 ± 12	A.D. 200
-189	144:288	2100 ± 100		-228 ± 9	150 B.C.
-190	144:287	2450 ± 100		-261 ± 11	500 B.C.
-192	43:176	2100 ± 150		-230 ± 11	150 B.C.
-193	144:289	530 ± 70		-65 ± 8	A.D. 1420
-194	144:290	470 ± 70		-51 ± 8	A.D. 1480
-195	43:178	1330 ± 70	1260 ± 70 c		A.D. 690
-195A	43:178	1310 ± 80	1230 ± 80 c	-140 ± 10	A.D. 720
-195B	43:178	1380 ± 120		-155 ± 12	A.D. 570
-196	43:173	4750 ± 150		-449 ± 9	2800 B.C.
-198	43:174	3650 ± 150		-367 ± 11	1700 B.C.
-204	43:177	1050 ± 100		-125 ± 12	A.D. 900
-205	43:177	800 ± 100		-98 ± 12	A.D. 1150
-206	43:177	900 ± 100		-109 ± 11	A.D. 1050
-207	43:177	900 ± 100		-110 ± 11	A.D. 1050
-208	43:171	7950 ± 170		-629 ± 9	6000 B.C.
-209	43:170	7400 ± 250		-602 ± 13	5450 B.C.
-214	43:167	11,400 ± 250	11,300 ± 250 c	-755 ± 11	9350 B.C.
-215	144:289	8150 ± 200		-640 ± 10	6200 B.C.
-216	144:288	5900 ± 150		-523 ± 10	3950 B.C.
-217	144:289	2100 ± 100		-236 ± 9	150 B.C.
-223	43:168	11,200 ± 200		-753 ± 7	9250 B.C.
-227	43:175	2400 ± 200		-256 ± 17	450 B.C.
-228A	144:283	11,700 ± 150		-767 ± 6	9750 B.C.
-229	43:171	10,150 ± 300		-718 ± 18	8200 B.C.
-231	43:169	8700 ± 200	8900 ± 200 c	-669 ± 9	6950 B.C.
-234	43:174	3850 ± 100		-380 ± 10	1900 B.C.
-235	43:174	4550 ± 150	Av. 4600 ± 110	-435 ± 10	2650 B.C.
-236	43:174	4650 ± 150		-448 ± 11	
-237	43:174	2600 ± 150		-277 ± 12	650 B.C.
-240	43:177	1350 ± 80			A.D. 600
-240A	43:178	1400 ± 100		-159 ± 10	A.D. 550
-240B	43:178	1300 ± 100		-149 ± 9	A.D. 650
-241A	43:170	7900 ± 250		-626 ± 11	5950 B.C.
-241B	43:170	8000 ± 300		-633 ± 18	6050 B.C.
-243	43:163	2450 ± 100		-259 ± 12	500 B.C.
-244	43:163	4100 ± 150		-401 ± 11	2150 B.C.
-245	43:164	850 ± 80		-102 ± 9	A.D. 1100
-246	43:166	10,550 ± 250		-731 ± 11	8600 B.C.
-249B	43:172	11,500 ± 300		-761 ± 11	9550 B.C.
-250	43:175	1350 ± 80		-166 ± 9	A.D. 600
-252	43:175	1500 ± 100		-177 ± 10	A.D. 450
-253	43:175	1400 ± 100		-165 ± 9	A.D. 550
-254	43:175	1600 ± 100		-184 ± 10	A.D. 350
-255	43:175	1350 ± 100		-156 ± 10	A.D. 600
-256	144:289	6850 ± 150		-573 ± 9	4900 B.C.
-257	144:289	6550 ± 200	7550 ± 200 c	-609 ± 8	5600 B.C.
-258	43:175	3550 ± 150		-355 ± 10	1600 B.C.
-259	43:175	980 ± 110		-114 ± 13	A.D. 970
-260	144:289	6250 ± 150		-540 ± 7	4300 B.C.
-261	43:170	11,000 ± 250		-746 ± 10	9050 B.C.
-266	43:164	4500 ± 150		-428 ± 15	2550 B.C.
-267	43:164	6250 ± 200		-540 ± 12	4300 B.C.
-269	43:167	12,300 ± 250		-784 ± 10	10,350 B.C.
-270	43:165	7400 ± 150		-602 ± 9	5450 B.C.
-271	43:165	10,600 ± 250		-733 ± 17	8650 B.C.
-271B	144:281	10,950 ± 130		-745 ± 7	9000 B.C.

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-272	144:283	8600 ± 150		-658 ± 10	6650 B.C.
-273	43:171	8300 ± 250		-644 ± 14	6350 B.C.
-274	43:176	900 ± 140		-114 ± 12	A.D. 1050
-275	43:177	920 ± 100		-109 ± 12	A.D. 1030
-276	43:176	1550 ± 100		-170 ± 10	A.D. 400
-279	144:286	6900 ± 150		-577 ± 10	4950 B.C.
-280	144:286	9150 ± 200		-689 ± 10	7200 B.C.
-281	43:171	3050 ± 100		-317 ± 10	1100 B.C.
-285	43:173	2600 ± 100		-277 ± 15	650 B.C.
-286	43:169	9500 ± 200		-695 ± 9	7550 B.C.
-287	43:169	9050 ± 200		-677 ± 18	7100 B.C.
-290	43:169	8200 ± 200		-644 ± 18	6250 B.C.
-291	43:169	7250 ± 200		-595 ± 18	5300 B.C.
-292	43:170	6800 ± 170		-572 ± 14	4850 B.C.
-293	43:172	8250 ± 250		-642 ± 16	6300 B.C.
-294	43:165	9900 ± 200	9800 ± 200 c	-708 ± 11	7850 B.C.
-295	43:165	9450 ± 250		-693 ± 18	7500 B.C.
-296	43:166	6100 ± 150		-537 ± 15	4150 B.C.
-297	43:179	11,450 ± 250		-758 ± 14	9500 B.C.
-298	43:180	33,500 ± 1000		-983 ± 9	31,550 B.C.
-299	43:180	>39,000		-996 ± 8	
-302	144:284	10,250 ± 440		-723 ± 20	8300 B.C.
-304	43:171	10,050 ± 250		-715 ± 18	8100 B.C.
-305	43:172	11,700 ± 230		-759 ± 18	9750 B.C.
-315	43:170	10,700 ± 300		-736 ± 20	8750 B.C.
-316	43:167	11,700 ± 250		-767 ± 13	9750 B.C.
-329	144:288	2600 ± 60		-278 ± 6	650 B.C.
-330	144:288	2660 ± 80		-282 ± 8	710 B.C.
-331	144:288	2620 ± 80		-278 ± 8	670 B.C.
-338A	144:286	8580 ± 110		-656 ± 7	6630 B.C.
-338B	144:286	9240 ± 130		-683 ± 7	7290 B.C.
-340B	144:287	21,350 ± 350		-980 ± 7	19,400 B.C.
-341	144:287	7000 ± 100		-582 ± 7	5050 B.C.
-343	144:285	7970 ± 180		-630 ± 9	6020 B.C.
-350	144:281	2200 ± 100		-240 ± 10	250 B.C.
-351	144:280	3070 ± 100		-318 ± 9	1120 B.C.
-353	144:282	3470 ± 100		-351 ± 8	1520 B.C.
-361	144:287	7310 ± 120		-598 ± 7	5360 B.C.
-362	144:285	9930 ± 190		-705 ± 10	7980 B.C.
-363	144:285	3300 ± 110		-337 ± 10	1350 B.C.
-370	144:284	4090 ± 150		-402 ± 12	2140 B.C.
-378B	144:283	11,480 ± 260		-761 ± 10	9530 B.C.
-379	144:283	11,430 ± 260		-758 ± 11	9480 B.C.
-380	144:282	9660 ± 210		-700 ± 10	7710 B.C.
-381	144:281	9890 ± 240		-710 ± 10	7940 B.C.
-382	144:282	10,940 ± 240		-740 ± 9	8990 B.C.
-385	144:281	2710 ± 90		-287 ± 8	760 B.C.
-390	144:283	10,310 ± 180		-720 ± 9	8360 B.C.
-391	144:288	4590 ± 110		-433 ± 10	2640 B.C.
-392	144:288	4400 ± 100		-422 ± 8	2450 B.C.
-394	144:286	770 ± 90		-92 ± 9	A.D. 1180