

Laboratory number	Published reference	Original date or other value	Corrected date or other value	$\delta C^{14}, \text{‰}$	A.D./B.C. date
-85	125:85	430 ± 90			A.D. 1520
-86	125:85	370 ± 80			A.D. 1580
-92A	125:82	1890 ± 90			A.D. 60
-92B	125:82	1850 ± 85			A.D. 100
-93	167:218	200 ± 200			A.D. 1750
-94A	167:214	2050 ± 50			100 B.C.
-94B	167:214	2440 ± 55			490 B.C.
-95	167:213	5825 ± 75			3875 B.C.
-96	167:214	3230 ± 60			1280 B.C.
-97	167:215	3475 ± 60			1525 B.C.
-98	167:215	3075 ± 60			1125 B.C.
-106 <sup>4</sup>	125:79	11,800 ± 280			9850 B.C.
-109	167:215	7800 ± 100			5850 B.C.
-113	125:80	2100 ± 80			150 B.C.
-114	125:80	2970 ± 90			1020 B.C.
-117	167:217	3100 ± 60			1150 B.C.
-122	125:81	4650 ± 90			2700 B.C.
-130	167:218	13,170 ± 175			11,220 B.C.

<sup>1</sup>Reference standard: Wood grown near Rome between 1949 and 1953.

<sup>2</sup>Cross-check sample (R-1) distributed by Rome Lab. to many laboratories: T-9; St103/A/B; BM-15; Q-112; U-68.

<sup>3</sup>R-64, cross-check sample distributed by H. Tauber, Copenhagen Lab., (K-101) to many labs.: K-101 bis; K-102 bis; Gro-454; St-18; U-20; U-75; H-105; BM-19; W-82, W-84.

<sup>4</sup>Sample given us by Hl. de Vries at Groningen (Nov. 1957); it is the sample pub. as Gro-933 and Gro-948.

<sup>5</sup>Pub. in *Quaternaria*, v. 5, p. 94.

### University of Saskatchewan, Department of Chemistry

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S-1	180	1910 ± 130 <sup>s</sup>		211 ± 17	A.D. 40
-2	180	3400 ± 200 <sup>s</sup>	2780 ± 200 c	292 ± 16	830 B.C.
-3	180	2430 ± 160 <sup>s</sup>		260 ± 16	480 B.C.
-4	180	2415 ± 160 <sup>s</sup>		268 ± 16	465 B.C.
-7	180	>25,000 <sup>s</sup>		966 ± 16	
-12	180	3670 ± 270 <sup>s</sup>		367 ± 21	1720 B.C.
-13	180	5600 ± 300 <sup>s</sup>		502 ± 21	3650 B.C.
-16	89:73	6250 ± 250	6300 ± 250 a	544 ± 11	4350 B.C.
-17	180	d	see S-17 bis		
-17 bis	89:77	2350 ± 60		252 ± 6	400 B.C.
-18	89:77	2450 ± 160		264 ± 11	500 B.C.
-19	89:77	1580 ± 140		179 ± 12	A.D. 370
-20	89:77	660 ± 130		80 ± 10	A.D. 1290
-22	180	1580 ± 159 <sup>s</sup>		179 ± 24	A.D. 370
-25	180	4400 ± 216 <sup>s</sup>	d	438 ± 23	
-25 <sup>1</sup>	89:74	4600 ± 210	4650 ± 210 a	439 ± 15	2700 B.C.
-26	180	>23,000 <sup>s</sup>		1015 ± 28	
-28	180	2400 ± 173 <sup>s</sup>		258 ± 24	450 B.C.
-29	89:74	11,400 ± 450		760 ± 11	9450 B.C.
-30	89:74	12,000 ± 500		777 ± 11	10,050 B.C.
-31	180	12,660 ± 440 <sup>s</sup>		793 ± 21	10,710 B.C.
-32	90:71	7800 ± 300	7850 ± 300 a	622 ± 11	5900 B.C.
-33	90:71	2980 ± 175	3030 ± 175 a	313 ± 11	1080 B.C.
-34	90:71	8180 ± 320	8230 ± 320 a	670 ± 12	6280 B.C.
-40	89:76	>33,000		v.J.J.D ± v.c	
-41	89:74	10,000 ± 300		710 ± 13	8050 B.C.
-42	89:76	>30,000		992 ± 13	
-43	89:79	400 ± 120	450 ± 120 a	43 ± 11	A.D. 1600

## Radiocarbon Measurements:

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-44	89:80	5200 ± 130		477 ± 12	3250 B.C.
-45	89:80	1500 ± 100		169 ± 18	A.D. 450
-46 <sup>a</sup>	89:74	>34,000		1004 ± 13	
-47	89:78	8150 ± 300		634 ± 7	6200 B.C.
-48	89:79	4550 ± 200		433 ± 10	2600 B.C.
-49a	90:75	2230 ± 100		243 ± 12	280 B.C.
-49b	90:75	3710 ± 70		370 ± 7	1760 B.C.
-50	90:75	4620 ± 150		437 ± 10	2670 B.C.
-52	90:75	4620 ± 80		436 ± 6	2670 B.C.
-53	90:76	4650 ± 150		439 ± 10	2700 B.C.
-54	90:76	5000 ± 125		464 ± 7	3050 B.C.
-55	90:76	>30,000		994 ± 7	
-60	89:79	2850 ± 60		300 ± 7	900 B.C.
-61	89:78	7350 ± 150		596 ± 10	5400 B.C.
-62	89:78	2270 ± 100		228 ± 10	320 B.C.
-63a	90:75	3370 ± 115		353 ± 14	1420 B.C.
-63b	90:75	4520 ± 170		428 ± 13	2570 B.C.
-64	89:75	3500 ± 70 d		354 ± 7	
-64	89:75	2800 ± 90 d		292 ± 15	
-65	89:75	>32,000		1003 ± 10	
-66	89:80	920 ± 60		111 ± 19	A.D. 1030
-67	89:75	200 ± 120		25 ± 20	A.D. 1750
-68	89:75	11,000 ± 250		751 ± 16	9050 B.C.
-73	89:76	1800 ± 100		191 ± 14	A.D. 150
-74	89:76	2900 ± 100		301 ± 10	950 B.C.
-87	89:79	1100 ± 80		129 ± 11	850 B.C.
-89	89:79	1020 ± 80		121 ± 12	930 B.C.
-90	90:76	1650 ± 60		188 ± 11	A.D. 300
-91	90:76	1840 ± 70		206 ± 10	A.D. 110
-92 <sup>a</sup>	89:76	>31,000		1005 ± 15	
-93	89:77	1780 ± 60		199 ± 9	A.D. 170
-94	90:71	3200 ± 70		328 ± 10	1250 B.C.
-96	90:72	27,750 ± 1200		969 ± 9	
-97	90:72	10,150 ± 200		718 ± 8	8200 B.C.
-99 <sup>t</sup>	90:73	7300 ± 120		599 ± 9	5350 B.C.
-100	90:74	9570 ± 150		697 ± 8	7620 B.C.
-102	90:76	1650 ± 70		184 ± 8	A.D. 300
-103	90:76	3750 ± 80		359 ± 9	1800 B.C.
-104	90:76	400 ± 60		49 ± 8	A.D. 1550
-105	90:76	380 ± 70		46 ± 8	A.D. 1570
-106	90:74	8150 ± 100		636 ± 11	6200 B.C.
-107	90:74	7350 ± 100		601 ± 13	5400 B.C.
-108	90:77	835 ± 70		99 ± 6	A.D. 1115
-109	90:77	760 ± 60		89 ± 13	A.D. 1190
-110	90:72	10,300 ± 140		722 ± 7	8350 B.C.
-111	90:72	>30,000		995 ± 13	
-112	90:77	2360 ± 60		251 ± 3	410 B.C.
-113	90:77	9000 ± 150		674 ± 5	7050 B.C.
-115A	90:74	5550 ± 70		498 ± 6	3600 B.C.
-116	90:74	8600 ± 100		656 ± 7	6650 B.C.
-117	90:72	>32,000		994 ± 8	
-119	90:77	2480 ± 60		266 ± 4	530 B.C.
-120	90:78	780 ± 50		91 ± 6	A.D. 1170
-121	90:78	260 ± 50		17 ± 6	A.D. 1690
-122	90:73	5050 ± 80		466 ± 6	3100 B.C.
-123	90:73	10,900 ± 700	10,900 ± 170 c	743 ± 7	8950 B.C.
-127	90:73	>34,000		996 ± 7	
-128	90:73	10,800 ± 300		738 ± 7	8850 B.C.
-129	90:75	9570 ± 130		694 ± 7	7620 B.C.
-132	169:229	550 ± 80		66 ± 5	A.D. 1400
-133	169:229	680 ± 100		81 ± 14	A.D. 1270
-134	169:229	1250 ± 100		145 ± 14	A.D. 700

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-135	169:229	1860 ± 70		210 ± 12	A.D. 90
-137	169:229	2050 ± 100		225 ± 11	100 B.C.
-138	90:75	2500 ± 170		269 ± 16	550 B.C.
-140	90:74	10,600 ± 300		734 ± 11	8650 B.C.
-146	169:230	> 32,000		1011 ± 9	
-147	169:230	> 33,000		1003 ± 9	
-148	169:230	245 ± 60		30 ± 8	A.D. 1705
-149	90:78	1220 ± 80		140 ± 13	A.D. 730
-150	90:78	1165 ± 80		135 ± 13	A.D. 785
-151	169:230	12,100 ± 160		777 ± 8	10,150 B.C.
-153	169:234	600 ± 45		72 ± 7	A.D. 1350
-154	169:234	900 ± 50		108 ± 8	A.D. 1050
-158	169:234	2125 ± 65		232 ± 7	175 B.C.
-161	169:232	6100 ± 80		552 ± 8	4150 B.C.
-162	169:232	7300 ± 80		600 ± 7	5350 B.C.
-164	169:230	1800 ± 80		202 ± 12	A.D. 150
-165	169:230	10,275 ± 225		721 ± 13	8325 B.C.
-172	169:232	12,000 ± 200		772 ± 10	10,050 B.C.
-173	169:230	13,000 ± 200		800 ± 9	11,050 B.C.
-174	169:230	10,250 ± 150		716 ± 9	8300 B.C.
-175	169:231	9250 ± 150		684 ± 6	7300 B.C.
-176	169:231	20,000 ± 850		917 ± 12	18,050 B.C.
-178	169:231	770 ± 50		91 ± 7	A.D. 1180
-179	169:231	470 ± 50		55 ± 7	A.D. 1480
-182	169:231	9600 ± 120		695 ± 7	7650 B.C.
-183	169:234	1290 ± 75		148 ± 12	A.D. 660
-184	169:233	2175 ± 70		239 ± 8	225 B.C.
-185	169:233	6850 ± 100		573 ± 7	4900 B.C.
-186	169:233	10,600 ± 130		732 ± 6	8650 B.C.
-187	169:234	500 ± 60		61 ± 7	A.D. 1450
-188	169:232	10,270 ± 150		722 ± 10	8320 B.C.
-189	169:232	10,630 ± 150		736 ± 10	8680 B.C.
-190	169:232	11,650 ± 150		764 ± 8	9700 B.C.
-191	169:233	6020 ± 90		527 ± 10	4070 B.C.
-198	169:231	12,140 ± 240		779 ± 13	10,190 B.C.
-208	169:233	410 ± 150		53 ± 16	A.D. 1540
-227	169:231	10,800 ± 160		739 ± 8	8850 B.C.
-301	90:79	Δ -26 ± 8			
-302	90:79	Δ -28 ± 8			
-303	90:79	Δ -4 ± 8			
-304	90:79	Δ -9 ± 10			
-305	90:79	Δ 73 ± 6			
-306	90:79	Δ 107 ± 7			
-308	90:79	Δ 290 ± 10			
-309	90:79	Δ -12 ± 8			
-310	90:79	Δ 184 ± 11			
-311	90:79	Δ 5 ± 10			
-313	90:79	Δ 176 ± 10			
-314	90:79	Δ 285 ± 10			
-315	90:79	Δ 244 ± 11			
-316	90:79	Δ 320 ± 10			
-317	90:79	Δ 232 ± 10			
-318	90:79	Δ 238 ± 10			
-319	169:235	Δ 408 ± 9			
-320	169:235	Δ 452 ± 10			
-321	169:235	Δ 955 ± 17			
-322	169:235	Δ 913 ± 10			

<sup>1</sup> GSC-20, 4275 ± 100.<sup>2</sup> H-440,29,500; CRo-2500, 44,200 ± 1500.<sup>3</sup> Ma-15, 21,600 ± 900.<sup>4</sup> GSC-2, 7600 ± 150.