

| Laboratory number | Published reference | Original date or other value | Corrected date or other value | $\delta C^{14}, \text{‰}$ | A.D./B.C. date |
|-------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| -115              | 132:163             | 4380 ± 120                   |                               |                           | 2430 B.C.      |
| -116              | 132:163             | 4280 ± 130                   |                               |                           | 2330 B.C.      |
| -117              | 132:163             | 2270 ± 100                   |                               |                           | 320 B.C.       |
| -118              | 132:163             | 3500 ± 100                   |                               |                           | 1550 B.C.      |
| -119              | 132:163             | 4150 ± 90                    |                               |                           | 2200 B.C.      |
| -120              | 132:163             | 4210 ± 90                    |                               |                           | 2260 B.C.      |
| -121              | 156:118             | 3260 ± 110                   |                               |                           | 1310 B.C.      |
| -122              | 156:118             | 3750 ± 100                   |                               |                           | 1800 B.C.      |
| -123              | 156:119             | 4590 ± 110                   |                               |                           | 2640 B.C.      |
| -124              | 156:119             | 4560 ± 110                   |                               |                           | 2610 B.C.      |
| -125              | 156:119             | 4010 ± 130                   |                               |                           | 2060 B.C.      |
| -126              | 156:119             | 4530 ± 110                   |                               |                           | 2580 B.C.      |
| -127              | 156:119             | 4120 ± 100                   |                               |                           | 2170 B.C.      |
| -128              | 156:119             | 4120 ± 100                   |                               |                           | 2170 B.C.      |
| -129              | 156:119             | 4700 ± 120                   |                               |                           | 2750 B.C.      |
| -132              | 156:119             | 4550 ± 160                   |                               |                           | 2600 B.C.      |
| -162              | 156:121             | 5750 ± 110                   |                               |                           | 3800 B.C.      |
| -163              | 156:121             | > 26,000                     |                               |                           |                |
| -164              | 156:121             | 9730 ± 200                   |                               |                           | 7780 B.C.      |
| -165              | 156:121             | 8920 ± 160                   |                               |                           | 6970 B.C.      |
| -166              | 156:121             | 15,080 ± 480                 |                               |                           | 13,130 B.C.    |
| -167              | 156:121             | 2220 ± 90                    |                               |                           | 270 B.C.       |
| -168              | 156:122             | 1540 ± 100                   |                               |                           | A.D. 410       |
| -173              | 156:120             | 550 ± 70                     |                               |                           | A.D. 1400      |
| -174              | 156:120             | 370 ± 70                     |                               |                           | A.D. 1580      |
| -175              | 156:120             | 2070 ± 70                    |                               |                           | 120 B.C.       |
| -176              | 156:120             | 2270 ± 90                    |                               |                           | 320 B.C.       |
| -177              | 156:120             | 1900 ± 80                    |                               |                           | A.D. 50        |
| -178              | 156:120             | 1930 ± 100                   |                               |                           | A.D. 20        |
| -181              | 156:120             | < 190                        |                               |                           |                |

<sup>1</sup> Modern standard of this laboratory is slightly older than others (= 94% of NBS oxalic-acid standard), making all dates as published slightly, but not significantly, too young.

<sup>2</sup> Dates published in Louvain I (ref. 84), for reasons given there, were calculated from a half life of 5760 yr. Corrected dates as given in Column 4 (and as published in Louvain II, ref. 132) are noted c, as if they were "mistakes" in computation.

### University of Michigan

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|-------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| M-2               | 121:7               | 1340 ± 120                   | d                             |                           |                |
| -4                | 121:7               | 530 ± 100                    |                               |                           | A.D. 1420      |
| -5                | 121:7               | 580 ± 100                    |                               |                           | A.D. 1370      |
| -7                | 121:7               | 760 ± 100                    |                               |                           | A.D. 1190      |
| -9 <sup>1</sup>   | 121:7               | 1980 ± 130                   |                               |                           | 30 B.C.        |
| -10 <sup>1</sup>  | 121:8               | 1850 ± 120                   |                               |                           | A.D. 100       |
| -11 <sup>1</sup>  | 23:672              | 800 ± 250 <sup>s</sup>       |                               |                           | A.D. 1150      |
| -12               | 23:670              | 2565 ± 300 <sup>s</sup>      |                               |                           | 615 B.C.       |
| -13               | 27:44               | 1300 ± 150                   |                               |                           | A.D. 650       |
| -14               | 23:665              | 2286 ± 200 <sup>s</sup>      | d                             |                           |                |
| -15 <sup>1</sup>  | 23:666              | 2500 ± 300 <sup>s</sup>      |                               |                           | 550 B.C.       |
| -19 <sup>2</sup>  | 23:666              | 2200 ± 250                   |                               |                           | 250 B.C.       |
| -20 <sup>2</sup>  | 23:666              | 2200 ± 250                   |                               |                           | 250 B.C.       |
| -21 <sup>4</sup>  | 23:669              | 6500 ± 500 <sup>s</sup>      |                               |                           | 4550 B.C.      |
| -26 <sup>5</sup>  | 23:667              | 4440 ± 400 <sup>s</sup>      |                               |                           | 2490 B.C.      |
| -27               | 23:665              | 470 ± 250                    |                               |                           | A.D. 1480      |
| -28               | 23:667              | 1670 ± 300                   |                               |                           | A.D. 280       |

## Radiocarbon Measurements:

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|-------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| -30               | 23:665              | 350 ± 250                    |                               |                           | A.D. 1600      |
| -31               | 23:665              | 2625 ± 300                   |                               |                           | 675 B.C.       |
| -33               | 23:666              | 800 ± 200*                   |                               |                           | A.D. 1150      |
| -34 <sup>1</sup>  | 23:666              | < 200                        | modern                        |                           |                |
| -35               | 23:666              | < 200                        | modern                        |                           |                |
| -36               | 23:672              | 950 ± 300*                   |                               |                           | A.D. 1000      |
| -37 <sup>a</sup>  | 23:670              | 18,300 ± 2000*               |                               |                           | 16,350 B.C.    |
| -38               | 23:670              | 16,400 ± 2000*               |                               |                           | 14,450 B.C.    |
| -39 <sup>1</sup>  | 23:665              | 3700 ± 250                   |                               |                           | 1750 B.C.      |
| -40               | 23:666              | 900 ± 300*                   |                               |                           | A.D. 1050      |
| -41               | 23:666              | 930 ± 300*                   |                               |                           | A.D. 1020      |
| -42               | 23:669              | 500 ± 250*                   |                               |                           | A.D. 1450      |
| -43               | 23:669              | 1335 ± 200*                  |                               |                           | A.D. 615       |
| -44               | 23:669              | 1700 ± 250                   |                               |                           | A.D. 250       |
| -45               | 23:669              | 2200 ± 250                   |                               |                           | 250 B.C.       |
| -47               | 23:665              | 640 ± 250                    |                               |                           | A.D. 1310      |
| -48a              | 23:666              | 1400 ± 300                   |                               |                           | A.D. 350       |
| -48b              | 23:666              | 500 ± 250                    |                               |                           | A.D. 1450      |
| -49               | 23:665              | 1920 ± 300                   |                               |                           | A.D. 30        |
| -50               | 23:665              | 2120 ± 300                   |                               |                           | 170 B.C.       |
| -51               | 23:667              | 2800 ± 300                   |                               |                           | 850 B.C.       |
| -52               | 23:667              | 250 ± 200                    |                               |                           | A.D. 1700      |
| -53               | 23:671              | 5678 ± 700                   |                               |                           | 3828 B.C.      |
| -54               | 23:665              | 640 ± 250                    |                               |                           | A.D. 1310      |
| -64               | 25:1120             | 1280 ± 300                   |                               |                           | A.D. 670       |
| -65               | 25:1120             | 720 ± 200                    |                               |                           | A.D. 1230      |
| -66               | 23:666              | 9600 ± 500                   |                               |                           | 7650 B.C.      |
| -67               | 23:667              | 6300 ± 500                   |                               |                           | 4350 B.C.      |
| -68               | 23:669              | < 300                        | modern                        |                           |                |
| -89               | 23:668              | 3975 ± 300                   |                               |                           | 2125 B.C.      |
| -90               | 23:668              | 3350 ± 400                   |                               |                           | 1400 B.C.      |
| -91               | 23:670              | 1660 ± 300                   |                               |                           | A.D. 290       |
| -92               | 23:670              | 900 ± 300                    |                               |                           | A.D. 1050      |
| -93               | 23:671              | 4900 ± 400                   |                               |                           | 2950 B.C.      |
| -94               | 23:671              | 980 ± 250                    |                               |                           | A.D. 970       |
| -108              | 23:665              | 4750 ± 500                   |                               |                           | 2800 B.C.      |
| -109 <sup>1</sup> | 23:665              | 4050 ± 300                   |                               |                           | 2100 B.C.      |
| -112              | 25:1122             | 340 ± 150                    |                               |                           | A.D. 1610      |
| -113              | 23:666              | 780 ± 150                    |                               |                           | A.D. 1170      |
| -114 <sup>1</sup> | 25:1121             | 6950 ± 350                   |                               |                           | 5000 B.C.      |
| -115              | 23:666              | 100 ± 250                    |                               |                           | A.D. 1850      |
| -116              | 23:671              | > 25,000                     |                               |                           |                |
| -117              | 23:671              | > 25,000                     |                               |                           |                |
| -118              | 23:670              | 11,000 ± 700                 |                               |                           | 9050 B.C.      |
| -121              | 23:669              | 2450 ± 300                   | 2700 ± 300 c                  |                           | 750 B.C.       |
| -122              | 23:669              | 3210 ± 300                   |                               |                           | 1260 B.C.      |
| -123              | 23:669              | 2800 ± 300                   |                               |                           | 930 B.C.       |
| -124              | 23:669              | 3600 ± 350                   | 3700 ± 350 c                  |                           | 1750 B.C.      |
| -125              | 23:669              | 3860 ± 450                   |                               |                           | 1910 B.C.      |
| -126              | 23:669              | 3140 ± 300                   |                               |                           | 1190 B.C.      |
| -127A             | 23:669              | 2700 ± 400                   | d                             |                           |                |
| -127B             | 23:669              | 3700 ± 300                   |                               |                           | 1750 B.C.      |
| -129              | 24:1102             | 4650 ± 300                   |                               |                           | 2700 B.C.      |
| -130              | 23:667              | 9700 ± 500                   |                               |                           | 7750 B.C.      |
| -131              | 23:667              | 8830 ± 500                   |                               |                           | 6880 B.C.      |
| -132              | 23:667              | 7900 ± 500                   |                               |                           | 5950 B.C.      |
| -138              | 23:667              | 5300 ± 400                   |                               |                           | 3350 B.C.      |
| -139              | 24:1099             | 12,630 ± 1000                |                               |                           | 10,680 B.C.    |
| -162              | 23:668              | 7000 ± 400                   |                               |                           | 5050 B.C.      |
| -163              | 23:668              | 7000 ± 400                   |                               |                           | 5050 B.C.      |
| -164 <sup>1</sup> | 23:667              | 1700 ± 250                   |                               |                           | A.D. 250       |
| -165 <sup>1</sup> | 25:1122             | 2800 ± 600                   |                               |                           | 850 B.C.       |

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| -174 <sup>1</sup> | 25:1122             | 2870 ± 250                   |                               |                           | 920 B.C.       |
| -175              | 23:668              | 650 ± 250                    |                               |                           | A.D. 1300      |
| -176              | 23:668              | 1050 ± 250                   |                               |                           | A.D. 900       |
| -177              | 23:668              | 1000 ± 250                   |                               |                           | A.D. 900       |
| -178              | 24:1100             | 1170 ± 200                   |                               |                           | A.D. 780       |
| -179              | 23:668              | 520 ± 200                    |                               |                           | A.D. 1430      |
| -181 <sup>1</sup> | 25:1121             | 2080 ± 250                   |                               |                           | 130 B.C.       |
| -182 <sup>1</sup> | 25:1121             | 3830 ± 300                   | 3730 ± 300 c                  |                           | 1780 B.C.      |
| -183              | 23:667              | 1740 ± 250                   |                               |                           | A.D. 210       |
| -184              | 23:669              | 7300 ± 400                   |                               |                           | 5350 B.C.      |
| -185              | 23:669              | 3620 ± 300                   |                               |                           | 1670 B.C.      |
| -186              | 25:1120             | 3230 ± 350                   |                               |                           | 1280 B.C.      |
| -187              | 25:1120             | 8080 ± 450                   |                               |                           | 6130 B.C.      |
| -188              | 23:669              | 8023 ± 350                   |                               |                           | 6073 B.C.      |
| -189              | 25:1120             | 6170 ± 300                   |                               |                           | 4220 B.C.      |
| -190              | 25:1120             | 1770 ± 250                   |                               |                           | A.D. 180       |
| -191              | 23:669              | 8870 ± 350                   |                               |                           | 6920 B.C.      |
| -192a             | 24:1104             | 9540 ± 550                   |                               |                           | 7590 B.C.      |
| -192b             | 24:1104             | 9300 ± 400                   |                               |                           | 7350 B.C.      |
| -193              | 24:1104             | 3200 ± 250                   |                               |                           | 1250 B.C.      |
| -194              | 23:668              | 2180 ± 300                   |                               |                           | 230 B.C.       |
| -195              | 23:668              | 4530 ± 400                   |                               |                           | 2580 B.C.      |
| -196 <sup>1</sup> | 24:1100             | 6600 ± 400                   |                               |                           | 4650 B.C.      |
| -197 <sup>1</sup> | 24:1100             | 6150 ± 400                   |                               |                           | 4200 B.C.      |
| -198 <sup>1</sup> | 24:1100             | 5940 ± 400                   |                               |                           | 3990 B.C.      |
| -199 <sup>1</sup> | 24:1100             | 6170 ± 400                   |                               |                           | 4220 B.C.      |
| -200 <sup>1</sup> | 24:1100             | 6000 ± 350                   |                               |                           | 4050 B.C.      |
| -201 <sup>1</sup> | 24:1100             | 6250 ± 350                   |                               |                           | 4300 B.C.      |
| -202              | 23:670              | 10,270 ± 650                 |                               |                           | 8320 B.C.      |
| -203              | 23:670              | 4000 ± 300                   |                               |                           | 2050 B.C.      |
| -204              | 23:670              | 10,270 ± 650                 |                               |                           | 8320 B.C.      |
| -205              | 23:670              | 4900 ± 350                   |                               |                           | 2950 B.C.      |
| -208              | 23:668              | 730 ± 250                    |                               |                           | A.D. 1020      |
| -210              | 25:1120             | <200                         | modern                        |                           |                |
| -211              | 25:1120             | >300                         |                               |                           | A.D. 1650      |
| -212              | 23:672              | <300                         | modern                        |                           |                |
| -213              | 23:672              | <300                         | modern                        |                           |                |
| -215 <sup>1</sup> | 25:1122             | 3020 ± 200                   |                               |                           | 1070 B.C.      |
| -216              | 23:665              | 2830 ± 300                   |                               |                           | 880 B.C.       |
| -217              | 23:671              | 1500 ± 250                   |                               |                           | A.D. 450       |
| -218 <sup>1</sup> | 25:1120             | 1570 ± 250                   |                               |                           | A.D. 380       |
| -219              | 26:173              | 3000 ± 500                   |                               |                           | 1050 B.C.      |
| -220              | 25:1119             | 4550 ± 500                   |                               |                           | 2600 B.C.      |
| -221              | 25:1119             | 5970 ± 900                   |                               |                           | 4020 B.C.      |
| -222              | 23:668              | 8570 ± 400                   |                               |                           | 6620 B.C.      |
| -223              | 23:668              | 11,450 ± 600                 |                               |                           | 9500 B.C.      |
| -224              | 23:668              | 11,450 ± 600                 |                               |                           | 9500 B.C.      |
| -226              | 25:1119             | >20,000                      |                               |                           |                |
| -227              | 25:1119             | >20,000                      |                               |                           |                |
| -228              | 23:668              | 350 ± 200                    |                               |                           | A.D. 1600      |
| -229 <sup>1</sup> | 25:1119             | 4220 ± 500                   |                               |                           | 2270 B.C.      |
| -230              | 23:670              | 2450 ± 300                   |                               |                           | 500 B.C.       |
| -236 <sup>1</sup> | 25:1122             | 3770 ± 200                   |                               |                           | 1820 B.C.      |
| -237 <sup>1</sup> | 25:1122             | 8400 ± 350                   |                               |                           | 450 B.C.       |
| -239 <sup>1</sup> | 25:1122             | 2350 ± 200                   |                               |                           | 400 B.C.       |
| -240              | 23:671              | 5100 ± 400                   |                               |                           | 3150 B.C.      |
| -241              | 23:671              | 1850 ± 250                   |                               |                           | A.D. 100       |
| -242              | 23:671              | 700 ± 250                    |                               |                           | A.D. 1250      |
| -243 <sup>1</sup> | 25:1120             | 2220 ± 200                   |                               |                           | 270 B.C.       |
| -245              | 24:1103             | <250                         | modern                        |                           |                |
| -247              | 23:670              | >20,000                      |                               |                           |                |
| -248              | 23:670              | 3100 ± 500                   |                               |                           | 1150 B.C.      |

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| -249              | 24:1102             | 3330 ± 300                   |                               |                           | 1380 B.C.      |
| -250              | 23:670              | 2500 ± 350                   |                               |                           | 550 B.C.       |
| -251              | 23:670              | 680 ± 250                    |                               |                           | A.D. 1270      |
| -252              | 24:1102             | 2180 ± 250                   |                               |                           | 230 B.C.       |
| -253              | 24:1102             | 2600 ± 300                   |                               |                           | 650 B.C.       |
| -254              | 24:1102             | 2900 ± 250                   |                               |                           | 950 B.C.       |
| -255              | 23:666              | 200 ± 250                    | modern                        |                           |                |
| -256 <sup>1</sup> | 25:1119             | 2300 ± 250                   |                               |                           | 350 B.C.       |
| -257              | 23:672              | 2180 ± 300                   |                               |                           | 230 B.C.       |
| -264              | 24:1101             | 2700 ± 500                   |                               |                           | 750 B.C.       |
| -267 <sup>1</sup> | 25:1122             | 2920 ± 200                   |                               |                           | 970 B.C.       |
| -280              | 24:1100             | 7070 ± 240                   |                               |                           | 5120 B.C.      |
| -282              | 23:668              | 9568 ± 1000                  |                               |                           | 7618 B.C.      |
| -285              | 25:1120             | 400 ± 150                    |                               |                           | A.D. 1550      |
| -286              | 26:188              | 820 ± 200                    |                               |                           | A.D. 1130      |
| -287              | 24:1100             | 4480 ± 300                   |                               |                           | 2530 B.C.      |
| -288              | 23:668              | 7925 ± 350                   |                               |                           | 5975 B.C.      |
| -288a             | 23:668              | 11,200 ± 600                 |                               |                           | 9250 B.C.      |
| -289              | 23:668              | 6330 ± 400                   |                               |                           | 4380 B.C.      |
| -290              | 23:668              | 5090 ± 300                   |                               |                           | 2140 B.C.      |
| -291              | 23:668              | 4000 ± 250                   |                               |                           | 2050 B.C.      |
| -291              | 24:1100             | 4000 ± 300                   |                               |                           | 2050 B.C.      |
| -292              | 24:1104             | 24,000 ± 3000                |                               |                           | 22,050 B.C.    |
| -294              | 23:668              | 5870 ± 400                   |                               |                           | 3920 B.C.      |
| -299              | 24:1100             | 7270 ± 450                   |                               |                           | 5320 B.C.      |
| -300              | 24:1100             | 12,336 ± 700                 |                               |                           | 10,386 B.C.    |
| -303              | 24:1104             | 1700 ± 250                   |                               |                           | A.D. 250       |
| -304              | 24:1102             | 7900 ± 400                   |                               |                           | 5950 B.C.      |
| -305              | 24:1099             | 2430 ± 250                   |                               |                           | 480 B.C.       |
| -306              | 24:1099             | 430 ± 200                    |                               |                           | A.D. 1520      |
| -307              | 24:1099             | <200                         | modern                        |                           |                |
| -308              | 24:1099             | 2500 ± 250                   |                               |                           | 550 B.C.       |
| -309 <sup>1</sup> | 26:180              | 480 ± 200                    |                               |                           | A.D. 1470      |
| -310              | 23:667              | 1750 ± 300                   |                               |                           | A.D. 200       |
| -320              | 23:668              | 3000 ± 350                   |                               |                           | 1050 B.C.      |
| -323              | 24:1099             | 530 ± 200                    |                               |                           | A.D. 1420      |
| -324              | 24:1102             | 700 ± 250                    |                               |                           | A.D. 1250      |
| -332              | 23:671              | 1335 ± 300                   |                               |                           | A.D. 615       |
| -333              | 23:671              | 1700 ± 300                   |                               |                           | A.D. 250       |
| -334              | 23:671              | 905 ± 300                    |                               |                           | A.D. 1045      |
| -335              | 23:671              | 785 ± 300                    |                               |                           | A.D. 1165      |
| -336              | 23:671              | 2435 ± 400                   |                               |                           | 485 B.C.       |
| -337              | 23:671              | 615 ± 300                    |                               |                           | A.D. 1335      |
| -338              | 23:671              | 385 ± 300                    |                               |                           | A.D. 1565      |
| -340              | 23:671              | 1880 ± 350                   |                               |                           | A.D. 70        |
| -341              | 23:671              | 2800 ± 350                   |                               |                           | 850 B.C.       |
| -342              | 23:669              | 10,700 ± 600                 |                               |                           | 8750 B.C.      |
| -343              | 23:669              | 10,400 ± 600                 |                               |                           | 8450 B.C.      |
| -344              | 23:669              | <400                         | modern                        |                           |                |
| -345              | 25:1119             | 2130 ± 200                   |                               |                           | 180 B.C.       |
| -346              | 25:1121             | 6880 ± 400                   |                               |                           | 4930 B.C.      |
| -347              | 26:173              | 5950 ± 300                   |                               |                           | 4000 B.C.      |
| -349              | 23:670              | >20,000                      |                               |                           |                |
| -350              | 23:672              | 1300 ± 500                   |                               |                           | A.D. 650       |
| -351              | 23:672              | 2000 ± 500                   |                               |                           | 50 B.C.        |
| -352              | 23:667              | 15,500 ± 1500                |                               |                           | 13,550 B.C.    |
| -354              | 23:672              | 3000 ± 300                   |                               |                           | 1050 B.C.      |
| -355              | 121:1               | 1550 ± 250                   |                               |                           | A.D. 400       |
| -356              | 23:666              | 3580 ± 300                   |                               |                           | 1630 B.C.      |
| -357              | 23:666              | 7150 ± 500                   |                               |                           | 5200 B.C.      |
| -358              | 23:669              | 12,600 ± 600                 |                               |                           | 10,650 B.C.    |
| -359              | 23:669              | 10,220 ± 500                 |                               |                           | 8270 B.C.      |

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| -360              | 23:669              | 7470 ± 500                   |                               |                           | 5520 B.C.        |
| -361              | 23:672              | 600 ± 300                    |                               |                           | A.D. 1350        |
| -363              | 23:669              | 2920 ± 300                   |                               |                           | 970 B.C.         |
| -364              | 25:1120             | <250                         | modern                        |                           |                  |
| -367              | 23:672              | 1200 ± 500                   |                               |                           | A.D. 750         |
| -368              | 23:670              | 3630 ± 350                   |                               |                           | 1680 B.C.        |
| -369              | 23:670              | 4230 ± 350                   |                               |                           | 2280 B.C.        |
| -370              | 23:670              | 9380 ± 500                   |                               |                           | 7430 B.C.        |
| -371e             | 23:669              | 3800 ± 500                   |                               |                           | 1850 B.C.        |
| -373              | 23:671              | 650 ± 300                    |                               |                           | A.D. 1300        |
| -374              | 23:671              | 700 ± 300                    |                               |                           | A.D. 1250        |
| -376              | 24:1102             | 4050 ± 300                   |                               |                           | 2100 B.C.        |
| -377              | 24:1102             | 3780 ± 250                   |                               |                           | 830 B.C.         |
| -378              | 24:1099             | 1660 ± 250                   |                               |                           | A.D. 290         |
| -380              | 24:1099             | 1650 ± 250                   |                               |                           | A.D. 300         |
| -381              | 24:1102             | 650 ± 200                    |                               |                           | A.D. 1300        |
| -382              | 23:666              | 640 ± 250                    |                               |                           | A.D. 1310        |
| -383 <sup>1</sup> | 23:666              | 2420 ± 300                   |                               |                           | 470 B.C.         |
| -384              | 23:666              | 770 ± 250                    |                               |                           | A.D. 1120        |
| -385              | 23:666              | 630 ± 250                    |                               |                           | A.D. 1320        |
| <b>-388</b>       | <b>23:670</b>       | <b>8670 ± 600</b>            |                               |                           | <b>6720 B.C.</b> |
| -392              | 24:1101             | 550 ± 200                    |                               |                           | A.D. 1400        |
| -394              | 24:1101             | 3150 ± 250                   |                               |                           | 1200 B.C.        |
| -396              | 24:1101             | 1600 ± 250                   |                               |                           | A.D. 350         |
| -397              | 24:1101             | 850 ± 250                    |                               |                           | A.D. 1100        |
| -398              | 24:1099             | 1180 ± 250                   |                               |                           | A.D. 1770        |
| -399              | 24:1100             | 1500 ± 250                   |                               |                           | A.D. 450         |
| -400              | 24:1100             | 1650 ± 200                   |                               |                           | A.D. 300         |
| -402              | 26:188              | 725 ± 200                    |                               |                           | A.D. 1275        |
| -403              | 24:1101             | 2850 ± 250                   |                               |                           | 900 B.C.         |
| -406              | 24:1103             | 900 ± 200                    |                               |                           | A.D. 1050        |
| -407              | 24:1103             | 560 ± 200                    |                               |                           | A.D. 1390        |
| -409              | 24:1103             | 1070 ± 200                   |                               |                           | A.D. 880         |
| -410              | 24:1103             | 1090 ± 200                   |                               |                           | A.D. 860         |
| -411              | 23:670              | 7100 ± 1000                  |                               |                           | 5150 B.C.        |
| -412              | 24:1100             | >25,000                      |                               |                           |                  |
| -413              | 24:1101             | 10,700 ± 800                 |                               |                           | 8750 B.C.        |
| -416A             | 27:39               | 2310 ± 200                   |                               |                           | 360 B.C.         |
| -417A             | 27:39               | 1850 ± 200                   |                               |                           | A.D. 100         |
| -418A             | 24:1101             | 1630 ± 400                   |                               |                           | A.D. 320         |
| -418B             | 24:1101             | 2030 ± 250                   |                               |                           | 80 B.C.          |
| -419B             | 28:117              | 1960 ± 200                   |                               |                           | 10 B.C.          |
| -419C             | 23:669              | 1700 ± 250                   |                               |                           | A.D. 250         |
| -420B             | 28:117              | 2110 ± 200                   |                               |                           | 160 B.C.         |
| -423              | 25:1121             | 1050 ± 200                   |                               |                           | A.D. 900         |
| -424              | 25:1121             | 620 ± 200                    |                               |                           | A.D. 1330        |
| -425              | 25:1121             | 615 ± 200                    |                               |                           | A.D. 1335        |
| -426              | 25:1121             | 890 ± 200                    |                               |                           | A.D. 1060        |
| -427              | 25:1121             | 1080 ± 200                   |                               |                           | A.D. 870         |
| -428              | 26:183              | 2040 ± 200                   |                               |                           | 90 B.C.          |
| -430              | 24:1104             | 890 ± 200                    |                               |                           | A.D. 1060        |
| -431              | 24:1104             | 780 ± 200                    |                               |                           | A.D. 1170        |
| -432              | 24:1104             | 1210 ± 200                   |                               |                           | A.D. 740         |
| -433              | 24:1102             | 1725 ± 200                   |                               |                           | A.D. 225         |
| -434              | 25:1121             | 3880 ± 250                   |                               |                           | 1930 B.C.        |
| -436              | 24:1103             | 1510 ± 200                   |                               |                           | A.D. 440         |
| -437              | 24:1103             | 2040 ± 250                   |                               |                           | 90 B.C.          |
| -438              | 25:1120             | 2140 ± 250                   |                               |                           | 190 B.C.         |
| -439 <sup>1</sup> | 28:111              | 2110 ± 200                   |                               |                           | 160 B.C.         |
| -440 <sup>1</sup> | 28:112              | 1325 ± 200                   |                               |                           | A.D. 625         |
| -441              | 28:112              | 1275 ± 200                   |                               |                           | A.D. 675         |
| -443              | 25:1119             | 1930 ± 250                   |                               |                           | A.D. 20          |

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| -444              | 25:1119             | 1940 ± 250                   |                               |                           | A.D. 10        |
| -445              | 25:1119             | 1720 ± 250                   |                               |                           | A.D. 230       |
| -446              | 26:180              | 1550 ± 250                   |                               |                           | A.D. 400       |
| -447              | 24:1099             | 800 ± 200                    |                               |                           | A.D. 1150      |
| -448              | 25:1119             | 1820 ± 250                   |                               |                           | A.D. 130       |
| -450              | 25:1119             | 720 ± 200                    |                               |                           | A.D. 1230      |
| -453              | 26:179              | 1470 ± 200                   |                               |                           | A.D. 480       |
| -454              | 25:1119             | 1270 ± 250                   |                               |                           | A.D. 680       |
| -461              | 24:1102             | 2600 ± 250                   |                               |                           | 650 B.C.       |
| -462              | 24:1102             | 1140 ± 300                   |                               |                           | A.D. 810       |
| -464              | 26:185              | 650 ± 200                    |                               |                           | A.D. 1300      |
| -465              | 29:188              | 1170 ± 200                   |                               |                           | A.D. 780       |
| -466              | 25:1121             | 2440 ± 250                   |                               |                           | 490 B.C.       |
| -467              | 121:8               | 330 ± 200                    |                               |                           | A.D. 1620      |
| -468              | 26:174              | 5150 ± 300                   |                               |                           | 3200 B.C.      |
| -469              | 26:174              | 4750 ± 300                   |                               |                           | 2800 B.C.      |
| -470              | 26:174              | 4890 ± 300                   |                               |                           | 2940 B.C.      |
| -471              | 26:174              | 4850 ± 300                   |                               |                           | 2900 B.C.      |
| -472              | 26:174              | 4100 ± 250                   |                               |                           | 2150 B.C.      |
| -473              | 26:174              | 4800 ± 400                   | 300 ± 200 c                   |                           | 2850 B.C.      |
| -474              | 26:174              | 5420 ± 400                   |                               |                           | 3470 B.C.      |
| -477              | 24:1105             | 520 ± 200                    |                               |                           | A.D. 1650      |
| -478              | 24:1105             | 300 ± 200                    |                               |                           | A.D. 1650      |
| -479              | 25:1105             | 200 ± 200                    |                               |                           | A.D. 1750      |
| -480              | 24:1105             | 520 ± 200                    |                               |                           | A.D. 1430      |
| -483              | 24:1099             | 4720 ± 300                   |                               |                           | 2770 B.C.      |
| -484              | 24:1099             | 5280 ± 300                   |                               |                           | 3320 B.C.      |
| -485 <sup>1</sup> | 25:1119             | 6490 ± 300                   |                               |                           | 4540 B.C.      |
| -489              | 24:1099             | 1180 ± 250                   |                               |                           | A.D. 770       |
| -490              | 26:174              | 9200 ± 500                   |                               |                           | 7250 B.C.      |
| -492              | 24:1100             | 800 ± 200                    |                               |                           | A.D. 1150      |
| -493              | 24:1100             | 760 ± 200                    |                               |                           | A.D. 1190      |
| -494              | 24:1100             | 2900 ± 250                   |                               |                           | 950 B.C.       |
| -497              | 24:1103             | 5650 ± 350                   |                               |                           | 3700 B.C.      |
| -498              | 24:1103             | 8200 ± 450                   |                               |                           | 6250 B.C.      |
| -499              | 24:1103             | 9270 ± 500                   |                               |                           | 7320 B.C.      |
| -500              | 24:1103             | 8540 ± 450                   |                               |                           | 6590 B.C.      |
| -501              | 24:1103             | 520 ± 200                    |                               |                           | A.D. 1430      |
| -502              | 24:1104             | 5230 ± 350                   |                               |                           | 3280 B.C.      |
| -503              | 24:1104             | 4580 ± 350                   |                               |                           | 2630 B.C.      |
| -504              | 24:1104             | 4730 ± 300                   |                               |                           | 2780 B.C.      |
| -505A             | 24:1104             | 3650 ± 250                   |                               |                           | 1700 B.C.      |
| -505B             | 24:1104             | 3440 ± 250                   |                               |                           | 1490 B.C.      |
| -507              | 24:1100             | 12,200 ± 700                 |                               |                           | 10,250 B.C.    |
| -508              | 27:37               | 1940 ± 200                   |                               |                           | A.D. 10        |
| -509              | 26:193              | 900 ± 200                    |                               |                           | A.D. 1050      |
| -510              | 26:192              | 1680 ± 300                   |                               |                           | A.D. 270       |
| -511              | 24:1102             | 2230 ± 250                   |                               |                           | 280 B.C.       |
| -512              | 25:1119             | 990 ± 150                    |                               |                           | A.D. 960       |
| -515              | 121:3               | 1060 ± 100                   | d                             |                           |                |
| -516              | 25:1122             | 2050 ± 250                   |                               |                           | 90 B.C.        |
| -517              | 25:1119             | 2300 ± 200                   |                               |                           | 350 B.C.       |
| -518              | 25:1119             | 2280 ± 200                   |                               |                           | 330 B.C.       |
| -519              | 25:1119             | 2200 ± 200                   |                               |                           | 250 B.C.       |
| -520              | 25:1119             | 2350 ± 200                   |                               |                           | 400 B.C.       |
| -521              | 25:1119             | 2410 ± 200                   |                               |                           | 460 B.C.       |
| -522              | 25:1122             | 4280 ± 350                   |                               |                           | 2330 B.C.      |
| -523              | 25:1122             | 5440 ± 350                   |                               |                           | 3490 B.C.      |
| -524              | 25:1122             | 3900 ± 250                   |                               |                           | 1950 B.C.      |
| -525              | 25:1122             | 370 ± 200                    |                               |                           | A.D. 1580      |
| -526              | 25:1123             | 1040 ± 200                   |                               |                           | A.D. 910       |
| -527              | 25:1123             | 215 ± 200                    |                               |                           | A.D. 1735      |

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| -528              | 24:1104             | 2400 ± 250                   |                               |                           | 450 B.C.       |
| -529              | 24:1104             | 2860 ± 300                   |                               |                           | 910 B.C.       |
| -530              | 24:1104             | 2760 ± 300                   |                               |                           | 810 B.C.       |
| -531              | 24:1104             | 2560 ± 300                   |                               |                           | 610 B.C.       |
| -532              | 24:1104             | 2650 ± 300                   |                               |                           | 700 B.C.       |
| -533              | 24:1104             | 2130 ± 300                   |                               |                           | 180 B.C.       |
| -534              | 24:1104             | 2670 ± 300                   |                               |                           | 720 B.C.       |
| -535              | 24:1104             | 3110 ± 300                   |                               |                           | 1160 B.C.      |
| -536              | 24:1104             | 2530 ± 300                   |                               |                           | 580 B.C.       |
| -537              | 26:182              | 1600 ± 250                   |                               |                           | A.D. 350       |
| -538              | 24:1105             | <200                         | modern                        |                           |                |
| -540 <sup>7</sup> | 24:1102             | 2400 ± 200                   |                               |                           | 450 B.C.       |
| -541 <sup>8</sup> | 24:1102             | 2530 ± 250                   |                               |                           | 580 B.C.       |
| -542              | 26:188              | 910 ± 200                    |                               |                           | A.D. 1040      |
| -543 <sup>4</sup> | 26:188              | 500 ± 250                    |                               |                           | A.D. 1450      |
| -545              | 28:112              | 1900 ± 200                   |                               |                           | A.D. 50        |
| -548              | 28:112              | 2010 ± 200                   |                               |                           | 60 B.C.        |
| -549              | 26:180              | 810 ± 250                    |                               |                           | A.D. 1140      |
| -550              | 26:180              | 600 ± 200                    |                               |                           | A.D. 1350      |
| -551              | 26:189              | 1060 ± 200                   |                               |                           | A.D. 890       |
| -552              | 26:189              | 1170 ± 250                   |                               |                           | A.D. 780       |
| -553              | 26:181              | 620 ± 200                    |                               |                           | A.D. 1330      |
| -554              | 26:181              | 530 ± 200                    |                               |                           | A.D. 1420      |
| -556 <sup>4</sup> | 25:1119             | 1150 ± 200                   |                               |                           | A.D. 800       |
| -557              | 26:187              | 1110 ± 200                   |                               |                           | A.D. 840       |
| -558              | 26:176              | 1950 ± 200                   |                               |                           | A.D. 1         |
| -559              | 25:1119             | 2000 ± 200                   |                               |                           | 50 B.C.        |
| -560              | 25:1119             | 1525 ± 200                   |                               |                           | A.D. 425       |
| -561              | 25:1122             | 3030 ± 250                   |                               |                           | 1080 B.C.      |
| -563              | 24:1101             | 3530 ± 300                   |                               |                           | 1580 B.C.      |
| -564              | 27:44               | 220 ± 150                    |                               |                           | A.D. 1730      |
| -564              | 114:249             | 220 ± 75                     | republished                   |                           | A.D. 1730      |
| -565              | 27:44               | 720 ± 200                    |                               |                           | A.D. 1230      |
| -567              | 24:1104             | 4730 ± 300                   | see M-504                     |                           | 2780 B.C.      |
| -568              | 24:1104             | 1720 ± 200                   |                               |                           | A.D. 230       |
| -570              | 25:1119             | 1860 ± 200                   |                               |                           | A.D. 90        |
| -571              | 26:180              | 1850 ± 200                   |                               |                           | A.D. 100       |
| -572              | 26:180              | 1950 ± 250                   |                               |                           | A.D. 1         |
| -573              | 26:180              | 1520 ± 200                   |                               |                           | A.D. 430       |
| -574 <sup>4</sup> | 26:176              | 1350 ± 500                   |                               |                           | A.D. 600       |
| -578              | 26:177              | 1670 ± 200                   |                               |                           | A.D. 280       |
| -579              | 26:177              | 2210 ± 250                   |                               |                           | 260 B.C.       |
| -580              | 26:177              | 1790 ± 300                   |                               |                           | A.D. 110       |
| -582              | 121:8               | 330 ± 75                     |                               |                           | A.D. 1620      |
| -583              | 26:186              | 930 ± 200                    |                               |                           | A.D. 1020      |
| -584              | 26:186              | 510 ± 200                    |                               |                           | A.D. 1440      |
| -585              | 26:180              | 1880 ± 200                   |                               |                           | A.D. 70        |
| -586              | 24:1101             | 3000 ± 300                   |                               |                           | 1050 B.C.      |
| -587              | 24:1100             | 2900 ± 250                   |                               |                           | 950 B.C.       |
| -588              | 24:1101             | 2930 ± 250                   |                               |                           | 980 B.C.       |
| -589              | 24:1101             | 8240 ± 400                   |                               |                           | 6290 B.C.      |
| -590              | 24:1101             | 8560 ± 400                   |                               |                           | 6610 B.C.      |
| -591              | 24:1101             | 6300 ± 350                   |                               |                           | 4350 B.C.      |
| -592              | 26:191              | 1150 ± 200                   |                               |                           | A.D. 800       |
| -593              | 25:1120             | 200 ± 200                    |                               |                           | A.D. 1750      |
| -596              | 25:1121             | 450 ± 200                    |                               |                           | A.D. 1500      |
| -597              | 25:1121             | 130 ± 200                    | modern                        |                           |                |
| -598              | 25:1121             | 120 ± 200                    | modern                        |                           |                |
| -599              | 25:1121             | 16,700 ± 1500                |                               |                           | 14,750 B.C.    |
| -600              | 28:114              | 890 ± 150                    |                               |                           | A.D. 1060      |
| -608              | 27:39               | 1240 ± 150                   |                               |                           | A.D. 710       |
| -611              | 26:192              | 1650 ± 200                   |                               |                           | A.D. 300       |

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| -612              | 26:192              | 1950 ± 200                   |                               |                           | A.D. 1         |
| -613              | 25:1120             | 1550 ± 250                   |                               |                           | A.D. 400       |
| -614 <sup>1</sup> | 26:188              | Modern                       |                               |                           |                |
| -615              | 27:36               | 6720 ± 300                   |                               |                           | 4770 B.C.      |
| -616A             | 27:36               | 6180 ± 300                   |                               |                           | 4230 B.C.      |
| -616B             | 27:36               | 5580 ± 250                   |                               |                           | 3630 B.C.      |
| -617              | 27:36               | 6500 ± 300                   |                               |                           | 4550 B.C.      |
| -618A             | 27:36               | 6280 ± 350                   |                               |                           | 4330 B.C.      |
| -619              | 27:36               | 1240 ± 200                   |                               |                           | A.D. 710       |
| -620              | 121:3               | 930 ± 100                    |                               |                           | A.D. 1020      |
| -621              | 121:3               | 1180 ± 100                   |                               |                           | A.D. 770       |
| -622              | 27:39               | 1570 ± 200                   |                               |                           | A.D. 380       |
| -625              | 26:186              | 740 ± 200                    |                               |                           | A.D. 1210      |
| -626              | 24:1105             | 200 ± 200                    | modern                        |                           |                |
| -629              | 24:1105             | 200 ± 200                    | modern                        |                           |                |
| -631              | 24:1105             | 320 ± 200                    |                               |                           | A.D. 1630      |
| -632              | 24:1105             | 250 ± 400                    | modern                        |                           |                |
| -633              | 24:1105             | 100 ± 200                    | modern                        |                           |                |
| -634              | 24:1105             | 1780 ± 250                   |                               |                           | A.D. 170       |
| -635              | 26:181              | 670 ± 200                    |                               |                           | A.D. 1280      |
| -636              | 26:181              | 660 ± 200                    |                               |                           | A.D. 1290      |
| -637              | 27:39               | 1150 ± 200                   |                               |                           | A.D. 800       |
| -638              | 26:174              | 7460 ± 400                   |                               |                           | 5510 B.C.      |
| -639              | 26:173              | 13,200 ± 600                 |                               |                           | 11,250 B.C.    |
| -640              | 26:183              | 2520 ± 250                   |                               |                           | 570 B.C.       |
| -642              | 26:179              | 320 ± 200                    |                               |                           | A.D. 1630      |
| -643              | 26:182              | 3450 ± 250                   |                               |                           | 1500 B.C.      |
| -644              | 26:182              | 3660 ± 250                   |                               |                           | 1710 B.C.      |
| -645              | 25:1121             | 4100 ± 250                   |                               |                           | 2150 B.C.      |
| -646              | 26:189              | 3080 ± 300                   |                               |                           | 1130 B.C.      |
| -647              | 25:1122             | 4350 ± 250                   |                               |                           | 2400 B.C.      |
| -648              | 25:1122             | 620 ± 200                    |                               |                           | A.D. 1330      |
| -649              | 25:1122             | 2690 ± 250                   |                               |                           | 740 B.C.       |
| -650              | 25:1119             | 1890 ± 200                   |                               |                           | A.D. 60        |
| -651              | 26:183              | 420 ± 150                    |                               |                           | A.D. 1530      |
| -652              | 25:1122             | 650 ± 150                    |                               |                           | A.D. 1300      |
| -653              | 28:105              | >30,000                      |                               |                           |                |
| -657              | 27:38               | 1170 ± 200                   |                               |                           | A.D. 780       |
| -658              | 25:1120             | 3040 ± 300                   |                               |                           | 1090 B.C.      |
| -659              | 27:34               | 3170 ± 300                   |                               |                           | 1220 B.C.      |
| -660              | 25:1120             | 2525 ± 250                   |                               |                           | 575 B.C.       |
| -661              | 25:1120             | 2940 ± 250                   |                               |                           | 990 B.C.       |
| -662              | 25:1120             | 2450 ± 250                   |                               |                           | 500 B.C.       |
| -663              | 25:1120             | 2040 ± 200                   |                               |                           | 90 B.C.        |
| -664              | 25:1120             | 1430 ± 200                   |                               |                           | A.D. 520       |
| -665              | 25:1120             | 2600 ± 250                   |                               |                           | 650 B.C.       |
| -666 <sup>9</sup> | 26:195              | 1000 ± 200                   |                               |                           | A.D. 950       |
| -667              | 26:195              | 200 ± 150                    |                               |                           | A.D. 1750      |
| -670              | 26:181              | 960 ± 250                    |                               |                           | A.D. 990       |
| -672              | 26:182              | 480 ± 200                    |                               |                           | A.D. 1470      |
| -674              | 114:250             | 1710 ± 75                    |                               |                           | A.D. 240       |
| -676              | 26:193              | 1880 ± 200                   |                               |                           | A.D. 70        |
| -677              | 26:193              | 1450 ± 200                   |                               |                           | A.D. 500       |
| -678              | 26:193              | 1470 ± 200                   |                               |                           | A.D. 480       |
| -681              | 26:193              | 1100 ± 250                   |                               |                           | A.D. 850       |
| -682              | 26:193              | 1580 ± 250                   |                               |                           | A.D. 370       |
| -687              | 27:44               | 740 ± 150                    |                               |                           | A.D. 1210      |
| -689              | 28:120              | 890 ± 150                    |                               |                           | A.D. 1060      |
| -690              | 26:194              | 100 ± 200                    | modern                        |                           |                |
| -692              | 26:194              | 650 ± 200                    |                               |                           | A.D. 1300      |
| -693              | 26:194              | 700 ± 300                    |                               |                           | A.D. 1250      |
| -694              | 28:106              | 9320 ± 400                   |                               |                           | 7370 B.C.      |



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|------------------------------|--------------------------------|---|--|---------------------------|----------------------------|
| -696                         | 25:1120                        | 1230 ± 200                              |  |                           | A.D. 720                   |
| -697                         | 27:36                          | 7070 ± 450                              |  |                           | 5120 B.C.                  |
| -698                         | 27:37                          | 6380 ± 400                              |  |                           | 4430 B.C.                  |
| -701                         | 25:1120                        | 2840 ± 250                              |  |                           | 890 B.C.                   |
| -702                         | 27:37                          | 870 ± 150                               |  |                           | A.D. 1080                  |

*Radiocarbon Measurements:*

| <i>Laboratory<br/>number</i> | <i>Published<br/>reference</i> | <i>Original date or<br/>other value</i> | <i>Corrected date<br/>or other value</i> | $\delta C^{14}, \text{‰}$ | <i>A.D./<br/>B.C. date</i> |
|------------------------------|--------------------------------|---|--|---------------------------|----------------------------|
| -774                         | 27-43                          | 2640 ± 200                              |  |                           | 600 B.C.                   |

| Laboratory number | Published reference | Original date or other value | Corrected date or other value | $\delta C^{14}, \text{‰}$ | A.D./B.C. date |
|-------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| -844              | 27:41               | 500 ± 200                    |                               |                           | A.D. 1450      |
| -845              | 28:115              | 8750 ± 500                   |                               |                           | 6800 B.C.      |
| -846              | 28:115              | 7970 ± 450                   |                               |                           | 6020 B.C.      |
| -847              | 28:115              | 8350 ± 500                   |                               |                           | 6400 B.C.      |
| -848              | 29:191              | 8430 ± 550                   |                               |                           | 6480 B.C.      |
| -849              | 29:191              | 1220 ± 150                   | d                             |                           | A.D. 730       |
| -850              | 26:183              | 1830 ± 200                   |                               |                           | A.D. 120       |
| -851              | 26:175              | 3890 ± 300                   |                               |                           | 1940 B.C.      |
| -854              | 28:107              | 1350 ± 150                   |                               |                           | A.D. 600       |
| -855              | 28:105              | 5270 ± 300                   |                               |                           | 3320 B.C.      |
| -855A             | 28:106              | 5650 ± 300                   |                               |                           | 3700 B.C.      |
| -856              | 27:47               | 350 ± 150                    |                               |                           | A.D. 1600      |
| -857              | 26:191              | 1500 ± 200                   |                               |                           | A.D. 450       |
| -858              | 114:239             | 610 ± 75                     |                               |                           | A.D. 1340      |
| -859              | 114:239             | 820 ± 75                     |                               |                           | A.D. 1130      |
| -860              | 114:239             | 775 ± 75                     |                               |                           | A.D. 1175      |
| -861 <sup>1</sup> | 26:191              | 1420 ± 200                   |                               |                           | A.D. 530       |
| -862A             | 27:31               | 510 ± 200                    |                               |                           | A.D. 1440      |
| -862B             | 27:31               | 5770 ± 300                   |                               |                           | 3820 B.C.      |
| -863A             | 26:195              | 580 ± 150                    |                               |                           | A.D. 1370      |
| -863B             | 26:195              | 730 ± 200                    | see M-1245                    |                           | A.D. 1220      |
| -864A             | 28:122              | 5420 ± 350                   |                               |                           | 3470 B.C.      |
| -864B             | 28:122              | 5270 ± 300                   |                               |                           | 3320 B.C.      |
| -864C             | 28:122              | 5120 ± 350                   |                               |                           | 3170 B.C.      |
| -865              | 27:43               | 925 ± 150                    |                               |                           | A.D. 1025      |
| -866              | 27:42               | 510 ± 150                    |                               |                           | A.D. 1440      |
| -867              | 27:41               | 1470 ± 50                    |                               |                           | A.D. 480       |
| -868              | 27:41               | 2350 ± 250                   |                               |                           | 400 B.C.       |
| -869              | 27:41               | 760 ± 150                    |                               |                           | A.D. 1190      |
| -870              | 27:45               | 330 ± 150                    |                               |                           | A.D. 1620      |
| -871              | 28:111              | 1460 ± 150                   |                               |                           | A.D. 490       |
| -875              | 114:250             | 330 ± 100                    |                               |                           | A.D. 1620      |
| -883              | 121:12              | 400 ± 130                    |                               |                           | A.D. 1550      |
| -884              | 27:43               | 500 ± 150                    |                               |                           | A.D. 1450      |
| -885              | 29:198              | 250 ± 150                    | d                             |                           | A.D. 1700      |
| -886              | 27:43               | 1080 ± 200                   |                               |                           | A.D. 870       |
| -887              | 27:34               | 1395 ± 200                   |                               |                           | A.D. 555       |
| -888              | 27:35               | 675 ± 150                    |                               |                           | A.D. 1275      |
| -890              | 27:35               | 950 ± 150                    |                               |                           | A.D. 1000      |
| -891              | 27:35               | 1745 ± 200                   |                               |                           | A.D. 205       |
| -892              | 27:35               | 8160 ± 400                   |                               |                           | 6210 B.C.      |
| -893              | 27:35               | 1020 ± 200                   |                               |                           | A.D. 930       |
| -897              | 28:114              | 2070 ± 200                   |                               |                           | 120 B.C.       |
| -898              | 27:32               | 1670 ± 200                   |                               |                           | A.D. 280       |
| -899              | 27:32               | 250 ± 150                    |                               |                           | A.D. 1700      |
| -900              | 27:32               | 920 ± 150                    |                               |                           | A.D. 1030      |
| -901              | 27:32               | 200 ± 150                    | modern                        |                           |                |
| -902              | 27:33               | 200 ± 150                    | modern                        |                           |                |
| -903              | 27:38               | 2300 ± 200                   |                               |                           | 350 B.C.       |
| -904              | 27:42               | 550 ± 150                    |                               |                           | A.D. 1400      |
| -905              | 27:33               | 275 ± 150                    |                               |                           | A.D. 1675      |
| -906              | 27:44               | 570 ± 150                    |                               |                           | A.D. 1380      |
| -907              | 28:110              | 675 ± 150                    |                               |                           | A.D. 1275      |
| -908              | 27:36               | 1975 ± 200                   |                               |                           | 25 B.C.        |
| -909              | 28:113              | 2070 ± 200                   |                               |                           | 120 B.C.       |
| -910              | 28:111              | 1375 ± 150                   |                               |                           | A.D. 575       |
| -911              | 28:117              | 4480 ± 300                   |                               |                           | 2530 B.C.      |
| -912              | 27:38               | 4410 ± 250                   |                               |                           | 2460 B.C.      |
| -913              | 28:123              | 1630 ± 150                   |                               |                           | A.D. 320       |
| -914              | 28:123              | 875 ± 150                    |                               |                           | A.D. 1075      |
| -915              | 28:123              | 510 ± 150                    |                               |                           | A.D. 1440      |
| -916              | 27:37               | 425 ± 150                    |                               |                           | A.D. 1525      |

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|--------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| -917               | 27:37               | 1250 $\pm$ 150               |                               |                           | A.D. 700       |
| -918               | 28:114              | 1030 $\pm$ 150               |                               |                           | A.D. 920       |
| -919               | 28:119              | 2600 $\pm$ 200               |                               |                           | 650 B.C.       |
| -920               | 27:44               | 220 $\pm$ 150                |                               |                           | A.D. 1730      |
| -921               | 28:120              | 100 $\pm$ 150                | modern                        |                           |                |
| -927               | 28:117              | 2300 $\pm$ 200               |                               |                           | 350 B.C.       |
| -928               | 28:111              | 1830 $\pm$ 200               |                               |                           | A.D. 120       |
| -929               | 28:111              | 2120 $\pm$ 200               |                               |                           | 170 B.C.       |
| -931               | 28:121              | 3560 $\pm$ 250               |                               |                           | 1610 B.C.      |
| -930               | 28:113              | 4720 $\pm$ 250               | pub. as M-932                 |                           | 2770 B.C.      |
| -932               | 28:122              | 2220 $\pm$ 150               |                               |                           | 270 B.C.       |
| -933               | 28:116              | 1120 $\pm$ 150               |                               |                           | A.D. 830       |
| -934               | 28:116              | 1070 $\pm$ 150               |                               |                           | A.D. 880       |
| -935               | 28:116              | 770 $\pm$ 150                |                               |                           | A.D. 1180      |
| -936 <sup>11</sup> | 28:107              | >30,000                      |                               |                           |                |
| -937               | 28:119              | 610 $\pm$ 150                |                               |                           | A.D. 1340      |
| -938               | 28:119              | 1050 $\pm$ 200               |                               |                           | A.D. 900       |
| -939               | 28:109              | >30,000                      |                               |                           |                |
| -940               | 29:189              | 970 $\pm$ 150                |                               |                           | A.D. 980       |
| -941               | 27:34               | 5300 $\pm$ 300               |                               |                           | 3350 B.C.      |
| -942               | 28:119              | 1080 $\pm$ 200               |                               |                           | A.D. 870       |
| -946               | 28:118              | 1060 $\pm$ 150               |                               |                           | A.D. 890       |
| -948               | 28:108              | 920 $\pm$ 150                |                               |                           | A.D. 1030      |
| -947               | 28:118              | 660 $\pm$ 150                |                               |                           | A.D. 1290      |
| -950               | 28:108              | 3120 $\pm$ 200               |                               |                           | 1170 B.C.      |
| -951               | 28:108              | 3870 $\pm$ 250               |                               |                           | 1920 B.C.      |
| -952               | 28:108              | 4350 $\pm$ 400               |                               |                           | 2400 B.C.      |
| -953               | 28:108              | <150                         | modern                        |                           |                |
| -954               | 28:108              | 910 $\pm$ 150                |                               |                           | A.D. 1040      |
| -955               | 28:108              | 3470 $\pm$ 250               |                               |                           | 1520 B.C.      |
| -956               | 28:108              | 6190 $\pm$ 300               |                               |                           | 4240 B.C.      |
| -957               | 28:108              | 935 $\pm$ 150                |                               |                           | A.D. 1015      |
| -958               | 28:109              | 1525 $\pm$ 200               |                               |                           | A.D. 425       |
| -959               | 28:109              | 2600 $\pm$ 200               |                               |                           | 650 B.C.       |
| -960               | 28:109              | 460 $\pm$ 200                |                               |                           | A.D. 1490      |
| -961               | 28:109              | 3330 $\pm$ 200               |                               |                           | 1380 B.C.      |
| -962               | 28:109              | 2890 $\pm$ 200               |                               |                           | 940 B.C.       |
| -963               | 28:109              | 3020 $\pm$ 200               |                               |                           | 1070 B.C.      |
| -964               | 28:109              | 5940 $\pm$ 700               |                               |                           | 3990 B.C.      |
| -965               | 28:109              | 5560 $\pm$ 300               |                               |                           | 3610 B.C.      |
| -966               | 28:109              | 6680 $\pm$ 400               |                               |                           | 4730 B.C.      |
| -968               | 28:106              | 5720 $\pm$ 250               |                               |                           | 3770 B.C.      |
| -969               | 28:117              | 4300 $\pm$ 250               |                               |                           | 2350 B.C.      |
| -971               | 28:118              | 1325 $\pm$ 150               |                               |                           | A.D. 625       |
| -972               | 28:118              | 2020 $\pm$ 200               |                               |                           | 70 B.C.        |
| -973               | 28:118              | 1025 $\pm$ 150               |                               |                           | A.D. 925       |
| -974               | 28:116              | 2020 $\pm$ 150               |                               |                           | 70 B.C.        |
| -975               | 28:116              | 2190 $\pm$ 200               |                               |                           | 240 B.C.       |
| -976               | 28:116              | 2240 $\pm$ 150               |                               |                           | 290 B.C.       |
| -977               | 28:120              | 1870 $\pm$ 200               |                               |                           | A.D. 80        |
| -978               | 28:120              | 3280 $\pm$ 200               |                               |                           | 2330 B.C.      |
| -979               | 28:120              | 7320 $\pm$ 300               |                               |                           | 7370 B.C.      |
| -980               | 28:120              | 8730 $\pm$ 400               |                               |                           | 6780 B.C.      |
| -984               | 29:195              | 7250 $\pm$ 400               |                               |                           | 5300 B.C.      |
| -988               | 121:12              | 4680 $\pm$ 140               |                               |                           | 2730 B.C.      |
| -992               | 121:12              | 2460 $\pm$ 150               |                               |                           | 510 B.C.       |
| -994               | 28:121              | 2175 $\pm$ 200               |                               |                           | 225 B.C.       |
| -995               | 28:115              | 550 $\pm$ 150                |                               |                           | A.D. 1400      |
| -996               | 29:187              | 275 $\pm$ 150                |                               |                           | A.D. 1675      |
| -997 <sup>1</sup>  | 29:186              | 31,000 $\pm$ 6000            |                               |                           | 29,050 B.C.    |
| -998               | 29:184              | 3270 $\pm$ 200               |                               |                           | 1320 B.C.      |
| -1000              | 114:231             | 780 $\pm$ 75                 |                               |                           | A.D. 1170      |

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|---------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| -1002               | 29:196              | 1260 ± 150                   |                               |                           | A.D. 690       |
| -1003               | 29:196              | 970 ± 150                    |                               |                           | A.D. 980       |
| -1004               | 29:197              | 3400 ± 200                   |                               |                           | 1450 B.C.      |
| -1005               | 29:197              | 1150 ± 150                   |                               |                           | A.D. 800       |
| -1006               | 29:197              | 3150 ± 200                   |                               |                           | 1200 B.C.      |
| -1008               | 29:197              | 1150 ± 150                   |                               |                           | A.D. 800       |
| -1009               | 29:197              | 4840 ± 250                   |                               |                           | 2890 B.C.      |
| -1012               | 28:106              | 7250 ± 300                   |                               |                           | 5300 B.C.      |
| -1014 <sup>1</sup>  | 29:192              | 3330 ± 200                   |                               |                           | 1380 B.C.      |
| -1015               | 157:147             | 16,560 ± 600                 |                               |                           | 14,610 B.C.    |
| -1016               | 157:147             | 18,700 ± 800                 |                               |                           | 16,750 B.C.    |
| -1017               | 157:147             | 14,750 ± 600                 |                               |                           | 12,800 B.C.    |
| -1018               | 157:147             | 14,800 ± 600                 |                               |                           | 12,850 B.C.    |
| -1019               | 157:148             | 13,200 ± 600                 |                               |                           | 11,250 B.C.    |
| -1020               | 157:147             | 16,200 ± 500                 |                               |                           | 14,250 B.C.    |
| -1021               | 157:148             | 3570 ± 250                   |                               |                           | 1620 B.C.      |
| -1022               | 157:148             | 4480 ± 250                   |                               |                           | 2530 B.C.      |
| -1023               | 157:148             | 11,470 ± 500                 |                               |                           | 9520 B.C.      |
| -1024 <sup>1</sup>  | 29:185              | 5840 ± 350                   |                               |                           | 3890 B.C.      |
| -1025 <sup>1</sup>  | 29:185              | 5270 ± 350                   |                               |                           | 3320 B.C.      |
| -1026 <sup>1</sup>  | 29:185              | 5740 ± 250                   |                               |                           | 3790 B.C.      |
| -1027 <sup>1</sup>  | 29:185              | 12,250 ± 500                 |                               |                           | 10,300 B.C.    |
| -1028a              | 29:185              | 5120 ± 400                   | d                             |                           | 3170 B.C.      |
| -1028b <sup>1</sup> | 29:185              | 20,000 ± 2000                |                               |                           | 18,050 B.C.    |
| -1029               | 29:200              | 425 ± 150                    |                               |                           | A.D. 1525      |
| -1037               | 29:187              | 1200 ± 150                   |                               |                           | A.D. 750       |
| -1038               | 29:186              | 1760 ± 200                   |                               |                           | A.D. 190       |
| -1039               | 29:187              | 1940 ± 150                   |                               |                           | A.D. 10        |
| -1040               | 29:187              | 1980 ± 150                   |                               |                           | 30 B.C.        |
| -1041               | 29:187              | 1810 ± 150                   |                               |                           | A.D. 140       |
| -1042               | 29:190              | 1960 ± 150                   |                               |                           | 10 B.C.        |
| -1043               | 29:190              | 1030 ± 150                   |                               |                           | A.D. 920       |
| -1044               | 29:190              | 1420 ± 150                   |                               |                           | A.D. 530       |
| -1045               | 29:190              | 1460 ± 150                   |                               |                           | A.D. 490       |
| -1046               | 29:190              | 2020 ± 150                   |                               |                           | 70 B.C.        |
| -1052 <sup>1</sup>  | 28:109              | 6040 ± 250                   |                               |                           | 4090 B.C.      |
| -1060               | 29:189              | 225 ± 150                    |                               |                           | A.D. 1725      |
| -1061               | 29:189              | 670 ± 200                    |                               |                           | A.D. 1280      |
| -1062               | 29:190              | 450 ± 200                    |                               |                           | A.D. 1500      |
| -1064               | 28:115              | 850 ± 150                    |                               |                           | A.D. 1100      |
| -1065               | 29:195              | 525 ± 150                    |                               |                           | A.D. 1425      |
| -1066               | 28:119              | 360 ± 150                    |                               |                           | A.D. 1590      |
| -1067               | 28:107              | 9540 ± 500                   |                               |                           | 7590 B.C.      |
| 1068                | 29:200              | 14,300 ± 500                 |                               |                           | 12,350 B.C.    |
| -1069               | 114:244             | 390 ± 75                     |                               |                           | A.D. 1560      |
| -1070               | 28:110              | 280 ± 150                    |                               |                           | A.D. 1670      |
| -1071               | 28:113              | 6080 ± 300                   |                               |                           | 4030 B.C.      |
| -1073               | 114:244             | 515 ± 75                     |                               |                           | A.D. 1435      |
| -1074               | 114:244             | 830 ± 75                     |                               |                           | A.D. 1120      |
| -1075               | 29:189              | 1560 ± 200                   |                               |                           | A.D. 390       |
| -1076               | 29:192              | 820 ± 150                    |                               |                           | A.D. 1130      |
| -1077               | 29:192              | 860 ± 150                    |                               |                           | A.D. 1090      |
| -1078               | 29:192              | 3370 ± 200                   |                               |                           | 1420 B.C.      |
| -1079a              | 29:194              | 560 ± 150                    |                               |                           | A.D. 1390      |
| -1080a              | 29:194              | 2380 ± 150                   |                               |                           | 430 B.C.       |
| -1081               | 29:195              | 7250 ± 300                   |                               |                           | 7300 B.C.      |
| -1082               | 29:195              | 860 ± 150                    |                               |                           | A.D. 1090      |
| -1083               | 29:193              | 1900 ± 200                   |                               |                           | A.D. 50        |
| -1085               | 29:193              | 2225 ± 200                   |                               |                           | 275 B.C.       |
| -1086               | 114:230             | 515 ± 75                     |                               |                           | A.D. 1435      |
| -1087               | 29:196              | 6850 ± 300                   |                               |                           | 4900 B.C.      |
| -1088               | 29:196              | 425 ± 150                    |                               |                           | A.D. 1525      |

## Radiocarbon Measurements:

| Laboratory number  | Published reference | Original date or other value | Corrected date or other value | $\delta C^{14}, \text{‰}$ | A.D./B.C. date |
|--------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| -1089              | 29:200              | 5560 ± 250                   |                               |                           | 3610 B.C.      |
| -1090              | 157:132             | 250 ± 100                    |                               |                           | A.D. 1700      |
| -1091              | 157:132             | 1000 ± 100                   |                               |                           | A.D. 950       |
| -1092              | 157:132             | 1090 ± 100                   |                               |                           | A.D. 860       |
| -1093              | 157:132             | 1360 ± 100                   |                               |                           | A.D. 590       |
| -1094              | 157:133             | 820 ± 100                    |                               |                           | A.D. 1130      |
| -1095              | 114:241             | 1080 ± 75                    |                               |                           | A.D. 870       |
| -1096              | 157:132             | 850 ± 100                    |                               |                           | A.D. 1100      |
| -1098              | 29:184              | 3000 ± 200                   |                               |                           | 1050 B.C.      |
| -1099              | 29:184              | 1660 ± 150                   |                               |                           | A.D. 290       |
| -1100              | 29:183              | 2645 ± 150                   |                               |                           | 695 B.C.       |
| -1101 <sup>1</sup> | 29:184              | 7060 ± 300                   |                               |                           | 5110 B.C.      |
| -1102 <sup>1</sup> | 29:184              | 12,660 ± 1000                |                               |                           | 10,710 B.C.    |
| -1103 <sup>1</sup> | 28:107              | >30,000                      |                               |                           |                |
| -1104              | 114:242             | 2020 ± 75                    |                               |                           | 70 B.C.        |
| -1105              | 114:242             | 1660 ± 75                    |                               |                           | A.D. 290       |
| -1107              | 114:239             | 470 ± 75                     |                               |                           | A.D. 1480      |
| -1108 <sup>1</sup> | 29:191              | 550 ± 150                    | (modern)                      |                           | A.D. 1400      |
| -1109              | 114:239             | 3700 ± 125                   |                               |                           | 1750 B.C.      |
| -1111              | 114:239             | 3820 ± 125                   |                               |                           | 1870 B.C.      |
| -1112              | 114:239             | 3720 ± 125                   |                               |                           | 1780 B.C.      |
| -1113              | 29:201              | 925 ± 150                    |                               |                           | A.D. 1025      |
| -1114              | 29:201              | 125 ± 150                    |                               |                           | A.D. 1825      |
| -1115B             | 121:13              | 1830 ± 150                   |                               |                           | A.D. 120       |
| -1115C             | 121:13              | 1690 ± 150                   |                               |                           | A.D. 260       |
| -1115D             | 121:13              | 1740 ± 150                   |                               |                           | A.D. 210       |
| -1116              | 114:240             | 2580 ± 100                   |                               |                           | 630 B.C.       |
| -1117              | 114:240             | 2490 ± 100                   |                               |                           | 540 B.C.       |
| -1118              | 121:13              | 1805 ± 120                   |                               |                           | A.D. 145       |
| -1119              | 29:199              | 525 ± 150                    |                               |                           | A.D. 1425      |
| -1120              | 29:199              | 2025 ± 150                   |                               |                           | 75 B.C.        |
| -1121              | 29:199              | 4340 ± 250                   |                               |                           | 2390 B.C.      |
| -1122              | 29:199              | 2030 ± 150                   |                               |                           | 80 B.C.        |
| -1123              | 121:14              | 2040 ± 150                   |                               |                           | 90 B.C.        |
| -1124              | 121:14              | 1640 ± 150                   |                               |                           | A.D. 310       |
| -1125              | 121:14              | 1460 ± 200                   |                               |                           | A.D. 490       |
| -1126              | 29:194              | 500 ± 150                    |                               |                           | A.D. 1450      |
| -1126a             | 29:194              | 430 ± 200                    |                               |                           | A.D. 1520      |
| -1127              | 29:194              | 540 ± 200                    |                               |                           | A.D. 1410      |
| -1128              | 29:194              | 820 ± 200                    |                               |                           | A.D. 1130      |
| -1129              | 29:193              | 1030 ± 150                   |                               |                           | A.D. 920       |
| -1130              | 29:193              | 6090 ± 500                   |                               |                           | 4140 B.C.      |
| -1131              | 114:244             | 9990 ± 225                   |                               |                           | 8040 B.C.      |
| -1132              | 29:198              | >25,000                      |                               |                           |                |
| -1133 <sup>1</sup> | 29:198              | 7350 ± 350                   |                               |                           | 5400 B.C.      |
| -1134 <sup>1</sup> | 29:198              | 275 ± 150                    | (modern)                      |                           | A.D. 1675      |
| -1138              | 28:105              | 5280 ± 300                   |                               |                           | 3330 B.C.      |
| -1139              | 29:186              | 3930 ± 300                   |                               |                           | 1980 B.C.      |
| -1140              | 28:110              | 890 ± 150                    |                               |                           | A.D. 1060      |
| -1141              | 28:110              | 1050 ± 150                   |                               |                           | A.D. 900       |
| -1142              | 28:110              | 1125 ± 150                   |                               |                           | A.D. 825       |
| -1143              | 29:196              | 2940 ± 200                   |                               |                           | 990 B.C.       |
| -1144              | 29:196              | 940 ± 150                    |                               |                           | A.D. 1010      |
| -1145A             | 114:230             | <150                         | modern                        |                           |                |
| -1145B             | 114:230             | 200 ± 75                     |                               |                           | A.D. 1750      |
| -1147 <sup>1</sup> | 114:245             | 2090 ± 100                   |                               |                           | 140 B.C.       |
| -1148 <sup>1</sup> | 114:245             | 0 ± 75                       | (modern)                      |                           | A.D. 1950      |
| -1149              | 29:183              | 4080 ± 200                   |                               |                           | 2130 B.C.      |
| -1150              | 114:237             | 570 ± 150                    |                               |                           | A.D. 1380      |
| -1151              | 144:245             | 1060 ± 75                    |                               |                           | A.D. 890       |
| -1151              | 121:14              | 1060 ± 150                   | republished                   |                           | A.D. 890       |
| -1152              | 121:9               | 9640 ± 450                   |                               |                           | 7690 B.C.      |

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|--------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| -1153              | 121:9               | 8920 ± 400                   |                               |                           | 6970 B.C.      |
| -1154              | 114:231             | 1890 ± 75                    |                               |                           | A.D. 60        |
| -1155              | 114:231             | 1720 ± 75                    |                               |                           | A.D. 230       |
| -1156              | 114:237             | 625 ± 75                     |                               |                           | A.D. 1325      |
| -1157              | 114:238             | 375 ± 75                     |                               |                           | A.D. 1575      |
| -1158              | 114:238             | 750 ± 75                     |                               |                           | A.D. 1200      |
| -1160              | 114:233             | 2870 ± 75                    |                               |                           | 920 B.C.       |
| -1161              | 114:233             | 1775 ± 75                    |                               |                           | A.D. 175       |
| -1162              | 114:233             | 875 ± 75                     |                               |                           | A.D. 1075      |
| -1163              | 114:242             | 950 ± 75                     |                               |                           | A.D. 1000      |
| -1164              | 114:245             | 700 ± 75                     | d                             |                           | A.D. 1250      |
| -1165              | 114:246             | 770 ± 75                     |                               |                           | A.D. 1180      |
| -1166              | 114:246             | 1360 ± 75                    |                               |                           | A.D. 590       |
| -1167              | 114:246             | 710 ± 75                     |                               |                           | A.D. 1240      |
| -1168              | 114:247             | 1130 ± 75                    |                               |                           | A.D. 820       |
| -1169              | 114:247             | 1040 ± 75                    |                               |                           | A.D. 910       |
| -1170              | 114:247             | 2200 ± 100                   |                               |                           | 250 B.C.       |
| -1171              | 114:247             | 530 ± 75                     |                               |                           | A.D. 1420      |
| -1172              | 114:247             | 920 ± 75                     |                               |                           | A.D. 1030      |
| -1173              | 114:248             | 1270 ± 75                    |                               |                           | A.D. 650       |
| -1174              | 114:248             | 1270 ± 75                    |                               |                           | A.D. 650       |
| -1175              | 114:248             | 1890 ± 100                   |                               |                           | A.D. 60        |
| -1176              | 114:248             | 3070 ± 100                   |                               |                           | 120 B.C.       |
| -1177              | 114:249             | 350 ± 75                     | d                             |                           | A.D. 1600      |
| -1178              | 114:249             | 1385 ± 75                    | d                             |                           | A.D. 565       |
| -1181              | 114:250             | 1910 ± 75                    |                               |                           | A.D. 40        |
| -1182              | 114:233             | 1075 ± 75                    |                               |                           | A.D. 875       |
| -1183              | 29:200              | 425 ± 150                    |                               |                           | A.D. 1525      |
| -1184              | 29:201              | 200 ± 150                    |                               |                           | A.D. 1750      |
| -1185              | 114:243             | 625 ± 75                     |                               |                           | A.D. 1325      |
| -1186              | 114:241             | 655 ± 75                     | pub. as M-1168                |                           | A.D. 1295      |
| -1187              | 114:243             | 3300 ± 100                   |                               |                           | 1350 B.C.      |
| -1188              | 114:233             | 630 ± 75                     |                               |                           | A.D. 1320      |
| -1189              | 114:243             | 1125 ± 75                    |                               |                           | A.D. 825       |
| -1196              | 114:240             | 1740 ± 75                    |                               |                           | A.D. 210       |
| -1197              | 114:240             | 2100 ± 75                    |                               |                           | 150 B.C.       |
| -1198              | 114:241             | 1625 ± 75                    |                               |                           | A.D. 325       |
| -1199              | 114:241             | 1930 ± 75                    |                               |                           | A.D. 20        |
| -1200              | 121:19              | 640 ± 100                    |                               |                           | A.D. 1310      |
| -1202              | 157:144             | 880 ± 100                    |                               |                           | A.D. 1070      |
| -1203              | 121:19              | 620 ± 100                    |                               |                           | A.D. 1330      |
| -1204              | 121:19              | 1100 ± 100                   |                               |                           | A.D. 850       |
| -1205              | 121:19              | 850 ± 100                    |                               |                           | A.D. 1100      |
| -1206              | 121:19              | 1440 ± 110                   |                               |                           | A.D. 510       |
| -1207              | 121:19              | 2060 ± 120                   |                               |                           | 110 B.C.       |
| -1208              | 121:19              | 3660 ± 130                   |                               |                           | 1710 B.C.      |
| -1209 <sup>1</sup> | 121:9               | 3770 ± 130                   |                               |                           | 1820 B.C.      |
| -1211              | 121:13              | 2170 ± 130                   |                               |                           | 220 B.C.       |
| -1212              | 121:10              | 3550 ± 130                   |                               |                           | 1600 B.C.      |
| -1213              | 121:10              | 3610 ± 130                   |                               |                           | 1660 B.C.      |
| -1214              | 121:3               | 580 ± 100                    |                               |                           | A.D. 1370      |
| -1215a             | 121:9               | 1530 ± 120                   |                               |                           | A.D. 420       |
| -1216              | 157:133             | 2500 ± 130                   |                               |                           | 550 B.C.       |
| -1218              | 29:186              | 1950 ± 150                   |                               |                           | A.D. 1         |
| -1219              | 29:186              | 2740 ± 200                   |                               |                           | 790 B.C.       |
| -1220 <sup>1</sup> | 114:228             | 300 ± 75                     | (modern)                      |                           | A.D. 1650      |
| -1221 <sup>1</sup> | 114:229             | 40 ± 75                      | (modern)                      |                           | A.D. 1910      |
| -1222 <sup>1</sup> | 114:229             | 125 ± 75                     | (modern)                      |                           | A.D. 1825      |
| -1223              | 114:229             | 440 ± 75                     |                               |                           | A.D. 1510      |
| -1224 <sup>1</sup> | 114:229             | 1890 ± 100                   | (modern)                      |                           | A.D. 60        |

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|---------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| -1225 <sup>1</sup>  | 114:229             | 1010 ± 75                    | (modern)                      |                           | A.D. 940       |
| -1226 <sup>1</sup>  | 114:229             | 2300 ± 100                   | (modern)                      |                           | 350 B.C.       |
| -1245 <sup>12</sup> | 114:250             | 600 ± 100                    |                               |                           | A.D. 1350      |
| -1246               | 121:11              | 860 ± 100                    |                               |                           | A.D. 1090      |
| -1248               | 121:15              | 750 ± 100                    |                               |                           | A.D. 1200      |
| -1249               | 121:15              | 570 ± 100                    |                               |                           | A.D. 1380      |
| -1250               | 121:15              | 370 ± 100                    |                               |                           | A.D. 1580      |
| -1251               | 121:15              | 1110 ± 110                   |                               |                           | A.D. 840       |
| -1252               | 121:2               | 5990 ± 200                   |                               |                           | 4040 B.C.      |
| -1253               | 121:14              | 1470 ± 120                   |                               |                           | A.D. 480       |
| -1254               | 157:123             | 10700 ± 400                  |                               |                           | 8750 B.C.      |
| -1256               | 114:230             | 30,000 ± 2500                |                               |                           | 28,050 B.C.    |
| -1257               | 121:15              | 2280 ± 130                   |                               |                           | 330 B.C.       |
| -1258               | 121:20              | 2230 ± 120                   |                               |                           | 280 B.C.       |
| -1259               | 121:20              | 2340 ± 120                   |                               |                           | 390 B.C.       |
| -1260a              | 121:21              | 960 ± 100                    |                               |                           | A.D. 990       |
| -1260b              | 121:21              | 1050 ± 110                   |                               |                           | A.D. 900       |
| -1260c              | 121:21              | 2720 ± 130                   |                               |                           | 770 B.C.       |
| -1262               | 121:4               | 1330 ± 120                   |                               |                           | A.D. 620       |
| -1263               | 121:4               | 1550 ± 120                   |                               |                           | A.D. 400       |
| -1264               | 157:134             | 5450 ± 300                   |                               |                           | 3500 B.C.      |
| -1265               | 157:135             | 5320 ± 200                   |                               |                           | 3370 B.C.      |
| -1268               | 121:10              | 5450 ± 180                   |                               |                           | 3500 B.C.      |
| -1270 <sup>1</sup>  | 157:135             | 5030 ± 200                   |                               |                           | 3080 B.C.      |
| -1271A              | 114:229             | 3550 ± 125                   |                               |                           | 1600 B.C.      |
| -1271B              | 114:229             | 6400 ± 175                   |                               |                           | 4450 B.C.      |
| -1272               | 157:127             | 840 ± 100                    |                               |                           | A.D. 890       |
| -1274               | 157:128             | 3060 ± 130                   |                               |                           | 1100 B.C.      |
| -1275c              | 121:7               | 2800 ± 120                   |                               |                           | 850 B.C.       |
| -1225 d-g           | 121:7               | 4110 ± 130                   |                               |                           | 2160 B.C.      |
| -1276a              | 157:128             | 325 ± 100                    |                               |                           | A.D. 1625      |
| -1276b              | 157:128             | 410 ± 100                    |                               |                           | A.D. 1540      |
| -1277               | 157:134             | 4450 ± 150                   |                               |                           | 2500 B.C.      |
| -1278               | 157:134             | 3730 ± 150                   |                               |                           | 1780 B.C.      |
| -1279               | 157:134             | 4700 ± 150                   |                               |                           | 2750 B.C.      |
| -1280               | 157:134             | 200 ± 100                    |                               |                           | A.D. 1750      |
| -1281 <sup>1</sup>  | 157:135             | >35,000                      | (modern)                      |                           |                |
| -1283               | 114:249             | 1870 ± 75                    |                               |                           | A.D. 80        |
| -1284               | 114:234             | 3110 ± 100                   |                               |                           | 1160 B.C.      |
| -1285               | 115:234             | 3460 ± 125                   |                               |                           | 1510 B.C.      |
| -1286               | 114:235             | 3200 ± 100                   |                               |                           | 1250 B.C.      |
| -1287               | 114:235             | 3270 ± 125                   |                               |                           | 1320 B.C.      |
| -1288               | 114:235             | 3490 ± 100                   |                               |                           | 1540 B.C.      |
| -1289               | 114:235             | 3440 ± 125                   |                               |                           | 1490 B.C.      |
| -1290               | 114:236             | 600 ± 75                     |                               |                           | A.D. 1350      |
| -1292               | 114:236             | 1055 ± 75                    |                               |                           | A.D. 895       |
| -1293               | 114:236             | 1190 ± 75                    |                               |                           | A.D. 760       |
| -1294               | 114:236             | 1125 ± 75                    |                               |                           | A.D. 825       |
| -1295               | 114:236             | 1915 ± 150                   |                               |                           | A.D. 35        |
| -1296               | 114:237             | 725 ± 75                     |                               |                           | A.D. 1225      |
| -1297               | 114:237             | 675 ± 75                     |                               |                           | A.D. 1275      |
| -1298               | 114:231             | 785 ± 75                     |                               |                           | A.D. 1165      |
| -1299               | 114:231             | 875 ± 75                     |                               |                           | A.D. 1075      |
| -1300               | 114:232             | 785 ± 75                     |                               |                           | A.D. 1165      |
| -1301               | 114:232             | 910 ± 75                     |                               |                           | A.D. 1040      |
| -1302               | 114:232             | 750 ± 75                     |                               |                           | A.D. 1200      |
| -1303               | 114:232             | 950 ± 75                     |                               |                           | A.D. 1000      |
| -1304               | 114:232             | 785 ± 75                     |                               |                           | A.D. 1165      |
| -1305               | 114:232             | 1000 ± 75                    |                               |                           | A.D. 950       |
| -1306               | 114:232             | 395 ± 75                     |                               |                           | A.D. 1555      |



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|--------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| -1307              | 121:4               | 720 ± 100                    |                               |                           | A.D. 1230      |
| -1308              | 121:16              | 930 ± 100                    |                               |                           | A.D. 1020      |
| -1309              | 121:16              | 115 ± 100                    |                               |                           | A.D. 1835      |
| -1310 <sup>1</sup> | 121:16              | 825 ± 100                    |                               |                           | A.D. 1125      |
| -1311 <sup>1</sup> | 121:16              | 905 ± 100                    |                               |                           | A.D. 1045      |
| -1312 <sup>1</sup> | 121:17              | 945 ± 100                    |                               |                           | A.D. 1005      |
| -1313              | 121:17              | 735 ± 100                    |                               |                           | A.D. 1215      |
| -1314              | 121:17              | 335 ± 100                    |                               |                           | A.D. 1615      |
| -1315              | 121:18              | 2050 ± 120                   |                               |                           | 100 B.C.       |
| -1316              | 121:18              | 2120 ± 120                   |                               |                           | 170 B.C.       |
| -1317              | 121:18              | 4480 ± 140                   |                               |                           | 2530 B.C.      |
| -1318              | 121:18              | 4170 ± 140                   |                               |                           | 2220 B.C.      |
| -1319              | 121:18              | 2110 ± 120                   |                               |                           | 160 B.C.       |
| -1320              | 121:18              | 5150 ± 150                   |                               |                           | 3200 B.C.      |
| -1321 <sup>1</sup> | 121:18              | 4100 ± 140                   |                               |                           | 2150 B.C.      |
| -1322              | 121:18              | 4620 ± 140                   |                               |                           | 2670 B.C.      |
| -1323              | 121:22              | 4450 ± 150                   |                               |                           | 2500 B.C.      |
| -1324              | 121:22              | 4650 ± 150                   |                               |                           | 2700 B.C.      |
| -1330              | 121:22              | 1750 ± 150                   |                               |                           | A.D. 200       |
| -1332              | 121:5               | 515 ± 100                    |                               |                           | A.D. 1435      |
| -1333              | 121:5               | 825 ± 100                    |                               |                           | A.D. 1125      |
| -1334              | 121:5               | 385 ± 90                     |                               |                           | A.D. 1565      |
| -1335              | 121:5               | 765 ± 200                    |                               |                           | A.D. 1185      |
| -1336              | 121:5               | 885 ± 200                    |                               |                           | A.D. 1065      |
| -1337              | 121:5               | 805 ± 100                    |                               |                           | A.D. 1145      |
| -1338              | 121:5               | 725 ± 100                    |                               |                           | A.D. 1225      |
| -1339              | 121:5               | 685 ± 100                    |                               |                           | A.D. 1265      |
| -1340              | 121:5               | 1025 ± 100                   |                               |                           | A.D. 925       |
| -1341              | 121:5               | 905 ± 120                    |                               |                           | A.D. 1045      |
| -1343              | 121:2               | 785 ± 100                    |                               |                           | A.D. 1165      |
| -1344 <sup>1</sup> | 121:2               | 485 ± 100                    |                               |                           | A.D. 1465      |
| -1345              | 121:22              | 2590 ± 200                   |                               |                           | 640 B.C.       |
| -1346              | 157:133             | 9440 ± 400                   |                               |                           | 7490 B.C.      |
| -1347              | 157:133             | 9340 ± 400                   |                               |                           | 7390 B.C.      |
| -1348              | 157:133             | 9040 ± 400                   |                               |                           | 7090 B.C.      |
| -1349              | 157:133             | 5800 ± 200                   |                               |                           | 3850 B.C.      |
| -1350              | 121:10              | 4720 ± 140                   |                               |                           | 2770 B.C.      |
| -1355              | 121:6               | 1350 ± 100                   |                               |                           | A.D. 600       |
| -1364              | 121:10              | 5860 ± 160                   |                               |                           | 3910 B.C.      |
| -1365              | 121:11              | 565 ± 100                    |                               |                           | A.D. 1385      |
| -1366              | 121:11              | 585 ± 100                    |                               |                           | A.D. 1365      |
| -1367              | 121:11              | 705 ± 100                    |                               |                           | A.D. 1245      |
| -1370              | 157:146             | 425 ± 100                    |                               |                           | A.D. 1525      |
| -1371              | 157:146             | 350 ± 100                    |                               |                           | A.D. 1600      |
| -1372              | 157:146             | 330 ± 100                    |                               |                           | A.D. 1620      |
| -1374              | 157:146             | 580 ± 100                    |                               |                           | A.D. 1370      |
| -1384              | 157:126             | 4420 ± 150                   |                               |                           | 2470 B.C.      |
| -1385              | 157:127             | 3360 ± 130                   |                               |                           | 1410 B.C.      |
| -1386              | 157:128             | 3370 ± 130                   |                               |                           | 1420 B.C.      |
| -1387              | 157:126             | 3220 ± 130                   |                               |                           | 1370 B.C.      |
| -1388              | 157:127             | 3460 ± 130                   |                               |                           | 1510 B.C.      |
| -1389              | 157:127             | 3310 ± 130                   |                               |                           | 1360 B.C.      |
| -1390              | 157:126             | 4400 ± 150                   |                               |                           | 2450 B.C.      |
| -1391              | 157:128             | 620 ± 100                    |                               |                           | A.D. 1330      |
| -1392              | 157:129             | 1900 ± 120                   |                               |                           | A.D. 50        |
| -1400              | 157:123             | 8260 ± 300                   |                               |                           | 6310 B.C.      |
| -1401              | 157:129             | 3580 ± 200                   |                               |                           | 1630 B.C.      |
| -1402              | 121:2               | 11,100 ± 400                 |                               |                           | 9150 B.C.      |
| -1424              | 157:141             | 125 ± 100                    | modern                        |                           |                |
| -1427              | 157:129             | 1735 ± 110                   |                               |                           | A.D. 215       |
| -1428              | 157:129             | 1840 ± 120                   |                               |                           | A.D. 110       |
| -1430              | 121:21              | 11,300 ± 400                 |                               |                           | 9350 B.C.      |
| -1431              | 157:130             | 865 ± 100                    |                               |                           | A.D. 1095      |

## Radiocarbon Measurements:

| Laboratory number | Published reference | Original date or other value | Corrected date or other value | $\delta C^{14}, \%$ | A.D./B.C. date |
|-------------------|---------------------|------------------------------|-------------------------------|---------------------|----------------|
| -1432             | 157:130             | 2480 ± 120                   |                               |                     | 530 B.C.       |
| -1435             | 157:131             | 1695 ± 120                   |                               |                     | A.D. 255       |
| -1436             | 157:125             | 1650 ± 100                   |                               |                     | A.D. 300       |
| -1437             | 157:125             | 1860 ± 100                   |                               |                     | 90 B.C.        |
| -1438             | 157:125             | 200 ± 100                    |                               |                     | A.D. 1750      |
| -1439             | 157:125             | 450 ± 100                    |                               |                     | A.D. 1500      |
| -1440             | 157:125             | 4180 ± 150                   |                               |                     | 2230 B.C.      |
| -1441             | 157:125             | 3620 ± 150                   |                               |                     | 1670 B.C.      |
| -1442             | 157:125             | 3280 ± 150                   |                               |                     | 1330 B.C.      |
| -1443             | 157:126             | 3540 ± 150                   |                               |                     | 1590 B.C.      |
| -1444             | 157:126             | 3710 ± 150                   |                               |                     | 1760 B.C.      |
| -1445             | 157:126             | 2920 ± 130                   |                               |                     | 970 B.C.       |
| -1467             | 157:143             | 610 ± 100                    |                               |                     | A.D. 1340      |
| -1468             | 157:143             | 760 ± 100                    |                               |                     | A.D. 1190      |
| -1469             | 157:143             | 870 ± 100                    |                               |                     | A.D. 1080      |
| -1470             | 157:143             | 1190 ± 100                   |                               |                     | A.D. 760       |
| -1471             | 157:143             | 1480 ± 120                   |                               |                     | A.D. 470       |
| -1472             | 157:144             | 1700 ± 120                   |                               |                     | A.D. 250       |
| -1473             | 157:144             | 1400 ± 120                   |                               |                     | A.D. 550       |
| -1474             | 157:144             | 1760 ± 130                   |                               |                     | A.D. 190       |
| -1475             | 157:144             | 1490 ± 100                   |                               |                     | A.D. 460       |
| -1476             | 157:145             | 720 ± 100                    |                               |                     | A.D. 1230      |
| -1477             | 157:145             | 1020 ± 100                   |                               |                     | A.D. 930       |
| -1478             | 157:145             | 1940 ± 130                   |                               |                     | A.D. 10        |
| -1479             | 157:145             | 2250 ± 200                   |                               |                     | 350 B.C.       |
| -1480             | 157:145             | 2350 ± 130                   |                               |                     | 450 B.C.       |
| -1481             | 157:145             | 950 ± 150                    |                               |                     | A.D. 1000      |
| -1487             | 157:131             | 1850 ± 120                   |                               |                     | A.D. 50        |
| -1502             | 157:135             | 1010 ± 100                   |                               |                     | A.D. 940       |
| -1504             | 157:141             | 2185 ± 120                   |                               |                     | 235 B.C.       |
| -1507             | 157:130             | 1630 ± 100                   |                               |                     | A.D. 320       |
| -1508             | 157:142             | 1190 ± 100                   |                               |                     | A.D. 760       |
| -1509             | 157:142             | 1220 ± 100                   |                               |                     | A.D. 730       |
| -1511             | 157:136             | 570 ± 100                    |                               |                     | A.D. 1380      |
| -1512             | 157:136             | 2790 ± 130                   |                               |                     | 840 B.C.       |
| -1513             | 157:136             | 2800 ± 130                   |                               |                     | 850 B.C.       |
| -1515             | 157:137             | 2200 ± 120                   |                               |                     | 250 B.C.       |
| -1516             | 157:124             | 4290 ± 150                   |                               |                     | 2340 B.C.      |
| -1518             | 157:124             | 150 ± 100                    | modern                        |                     |                |
| -1523             | 157:148             | 4750 ± 180                   |                               |                     | 2800 B.C.      |
| -1526             | 157:139             | 590 ± 100                    |                               |                     | A.D. 1360      |
| -1527             | 157:139             | 670 ± 100                    |                               |                     | A.D. 1280      |
| -1537             | 157:139             | 3390 ± 140                   |                               |                     | 1440 B.C.      |
| -1538             | 157:139             | 560 ± 100                    |                               |                     | A.D. 1390      |
| -1539             | 157:140             | 100 ± 100                    |                               |                     | A.D. 1850      |
| -1541             | 157:140             | 60 ± 100                     | modern                        |                     |                |
| -1543             | 157:137             | 2000 ± 120                   |                               |                     | 50 B.C.        |
| -1544             | 157:137             | 4420 ± 160                   |                               |                     | 2470 B.C.      |
| -1545             | 157:138             | 4360 ± 160                   |                               |                     | 2400 B.C.      |
| -1546             | 157:138             | 4880 ± 180                   |                               |                     | 2920 B.C.      |
| -1547             | 157:138             | 5490 ± 500                   |                               |                     | 3530 B.C.      |
| -1548             | 157:141             | 3060 ± 150                   |                               |                     | 1110 B.C.      |
| -1549             | 157:141             | 1100 ± 100                   |                               |                     | A.D. 850       |
| -1551             | 157:147             | 16,000 ± 800                 |                               |                     | 14,050 B.C.    |
| -1552             | 157:140             | 200 ± 100                    |                               |                     | A.D. 1750      |
| -1553             | 157:141             | 490 ± 100                    |                               |                     | A.D. 1460      |
| -1555             | 157:145             | 1990 ± 120                   |                               |                     | 40 B.C.        |
| -1556             | 157:131             | 225 ± 100                    |                               |                     | A.D. 1725      |
| -1559             | 157:149             | 9760 ± 350                   |                               |                     | 7810 B.C.      |
| -1560             | 157:149             | 8500 ± 300                   |                               |                     | 7650 B.C.      |
| -1561             | 157:149             | 3500 ± 150                   |                               |                     | 1650 B.C.      |
| -1562             | 157:149             | 8390 ± 350                   |                               |                     | 6440 B.C.      |
| -1563             | 157:149             | 7890 ± 400                   |                               |                     | 5940 B.C.      |

| Laboratory number  | Published reference | Original date or other value | Corrected date or other value | $\delta C^{14}, \text{‰}$ | A.D./B.C. date |
|--------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| -1564              | 157:149             | 3360 ± 130                   |                               |                           | 1410 B.C.      |
| -1565              | 157:149             | 10,700 ± 500                 |                               |                           | 8850 B.C.      |
| -1566              | 157:150             | 7520 ± 250                   |                               |                           | 5570 B.C.      |
| -1567              | 157:150             | 3550 ± 150                   |                               |                           | 1500 B.C.      |
| -1568 <sup>1</sup> | 157:124             | 10,760 ± 400                 |                               |                           | 8810 B.C.      |
| -1571 <sup>1</sup> | 157:124             | 7400 ± 500                   |                               |                           | 5450 B.C.      |

<sup>1</sup> Carbonate date, not corrected for isotopic fractionation in carbonate.

<sup>2</sup> Cross-check, C-126.

<sup>3</sup> Cross-check, C-152.

<sup>4</sup> Cross-check, C-247.

<sup>5</sup> Cross-check, C-288.

<sup>6</sup> Cross-check, GrN-1699.

<sup>7</sup> Cross-check, A-21, A-22.

<sup>8</sup> Cross-check, A-19.

<sup>9</sup> Cross-check, GrN-2149.

<sup>10</sup> Cross-check, A-60A, A-80B.

<sup>11</sup> Cross-check, W-638.

<sup>12</sup> Cross-check, GrN-2901, M-863B.

### University of Manitoba

| Laboratory number | Published reference | Original date or other value | Corrected date or other value | $\delta C^{14}, \text{‰}$ | A.D./B.C. date |
|-------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| Ma-3              | 57:70               | 5300 ± 150                   |                               |                           | 3350 B.C.      |
| -4                | 57:70               | 3150 ± 130                   |                               |                           | 1200 B.C.      |
| -6                | 57:70               | 29,000 ± 150                 |                               |                           | 27,050 B.C.    |
| -7                | 57:70               | 38,500 ± 3500                |                               |                           | 36,550 B.C.    |
| -15               | 57:70               | 21,600 ± 900                 |                               |                           | 19,650 B.C.    |
| -17               | 57:70               | 20,200 ± 800                 |                               |                           | 18,250 B.C.    |

### Monaco, Centre Scientifique de Monaco

| Laboratory number | Published reference | Original date or other value | Corrected date or other value | $\delta C^{14}, \text{‰}$ | A.D./B.C. date |
|-------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| MC-1              | 136:195             | 4500 ± 250                   |                               |                           | 2550 B.C.      |
| -2                | 136:195             | 4500 ± 250                   |                               |                           | 2550 B.C.      |
| -3                | 136:195             | 150 ± 150                    |                               |                           | A.D. 1800      |
| -4                | 136:195             | 18500 ± 250                  |                               |                           | 16,550 B.C.    |
| -5                | 136:195             | >30,000                      |                               |                           |                |
| -6                | 136:195             | >30,000                      |                               |                           |                |
| -7                | 136:195             | 5100 ± 250                   |                               |                           | 3150 B.C.      |
| -8                | 136:195             | 5220 ± 230                   |                               |                           | 3270 B.C.      |
| -9                | 136:195             | 2050 ± 200                   |                               |                           | 100 B.C.       |
| -10               | 136:196             | 4450 ± 230                   |                               |                           | 2500 B.C.      |
| -11               | 136:196             | 4080 ± 25                    |                               |                           | 2130 B.C.      |
| -12               | 136:196             | 620 ± 160                    |                               |                           | A.D. 1330      |
| -13               | 136:196             | 1080 ± 120                   |                               |                           | A.D. 870       |
| -14 <sup>1</sup>  | 136:196             | 5460 ± 300                   |                               |                           | 3510 B.C.      |

<sup>1</sup> Sa-66

### University of Miami, Marine Laboratory

| Laboratory number | Published reference | Original date or other value | Corrected date or other value | $\delta C^{14}, \text{‰}$ | A.D./B.C. date |
|-------------------|---------------------|------------------------------|-------------------------------|---------------------------|----------------|
| ML-12             | 158,81 <sup>1</sup> | 3700 ± 90                    | 4105 ± 90 c                   | —400                      | 2155 B.C.      |
| -13               | 158,81              | 4005 ± 100                   | 4420 ± 100 c                  | —423                      | 2470 B.C.      |
| -14               | 158,81              | 6615 ± 130                   | 7030 ± 130 c                  | —583                      | 5080 B.C.      |
| -15               | 158,81              | 2630 ± 105                   | 3040 ± 105 c                  | —315                      | 1090 B.C.      |
| -17               | 158,81              | 8275 ± 120                   | 8620 ± 120 c                  | —658                      | 6670 B.C.      |