

# APPENDIX III – RADIOCARBON DATES

## INTRODUCTION

The dates are cited as a date-range calculated from the original age determination at two standard deviations ( $\sigma_2$ ) which broadly equates with the 95% confidence limits; the laboratory number and original uncalibrated determination in years BP is also given. All calibrated dates have been calculated using OxCal version 3.5. Where the date-range is marked with an asterisk (e.g. 2280–2010\* BC), the ranges for 95% have been combined to represent the whole calibrated date-range.

## AVON RIVERSIDE, LAKE, WOODFORD

AD 400–620 (GU-4921: 1560±50 BP) Human bone from a riverside burial covered by wooden planks

## CONEYBURY

3350–2700 BC (OxA-1409: 4370±90 BP) Animal bone from interior pit 1447, with Grooved Ware

3100–2450 BC (OxA-1408: 4200±110 BP) Animal bone, W2.2306, from fill of primary ditch

## DURRINGTON WALLS

3650–3000 BC (GRO-901: 4584±80 BP) Charcoal from under henge bank

3550–2600 BC (NPL-191: 4400±150 BP) Charcoal from under henge bank with middle Neolithic pottery

3510–3090\* BC (GRO-901A: 4575±50 BP) Charcoal from under henge bank

3350–2500 BC (NPL-192: 4270±95 BP) Charcoal from midden within the henge

2900–2200 BC (BM-400: 4000±90 BP) Antler from base of main enclosure ditch

2900–2150\* BC (BM-399: 3965±90 BP) Bone from base of main enclosure ditch

2900–2100 BC (BM-396: 3950±90 BP) Charcoal from post packing in the south circle, Phase II

2900–2000 BC (NPL-240: 3905±110 BP) Antler pick from north circle posthole 42

2700–2100 BC (BM-398: 3927±90 BP) Charcoal from base of main enclosure ditch

2650–2000 BC (BM-395: 3900±90 BP) Antler from post packing, south circle, Phase II

2600–2000 BC (BM-397: 3850±90 BP) Bone from post packing, south circle, Phase II

2600–1700 BC (NPL-239: 3760±148 BP) Antler from south circle, Phase I postholes

2350–1650 BC (BM-286: 3630±110 BP) Charcoal from hearth 3 in secondary silt of ditch

2300–1500 BC (BM-285: 3560±120 BP) Charcoal from hearth near base of ditch with rusticated Beaker

## DURRINGTON RIVERSIDE

1520–1040 BC (OxA-1399: 3070±90 BP) Bone from crouched inhumation at Durrington Riverside

## LESSER CURSUS

3650–3050 BC (OxA-1405: 4640±100 BP) Antler from base of ditch, Phase 2

3650–2900 BC (OxA-1404: 4550±120 BP) Antler from base of ditch, Phase 1

2900–2200 BC (OxA-1406: 4000±120 BP) Antler from ditch fill, western terminal, destruction phase

## MISCELLANEOUS

8200–7000 BC (GU-3239: 8460±200 BP) Avon floodplain. Basal layer of a long pollen sequence

## NETHERAVON BAKE LONG BARROW

3710–3350 BC (OxA-1407: 4760±90 BP) Antler from base of Phase 1 ditch

## NORMANTON DOWN LONG MORTUARY ENCLOSURE

3550–2900 BC (BM-505: 4510±103 BP) Antler pick from base of bedding trench in the east entrance

## PITS AND PIT-CLUSTERS

### Coneybury Anomaly

4050–3640 BC (OxA-1402: 5050±100 BP) Animal bone from primary deposit

### King Barrow Ridge

3800–2900 BC (OxA-1396: 4700±150 BP) Antler from pit

3550–2850 BC (OxA-1397: 4500±120 BP) Animal bone from pit

### Chalk Plaque Pit

3100–2550 BC (OxA-3316: 4250±80 BP) Cattle bone

2890–2490 BC (OxA-3317: 4130±80 BP) Red deer antler

### Durrington Married Quarters

2510–1740 BC (BM-702: 3597±76 BP) Antler pick from Pit 27

2500–1900 BC (BM-703: 3743±72 BP) Animal bone from Pit 27

### Ratfyn

2300–1700 BC (OxA-3318: 3650±90 BP) Cattle bone

### Robin Hood's Ball

3800–3100\* BC (OxA-1400: 4740±100 BP) Animal bone from pit outside the enclosure

3500–2900 BC (OxA-1401: 4510±90 BP) Animal bone from pit from outside the enclosure

## ROUND BARROWS

### Amesbury G39

2300–1650 BC (HAR-1237: 3620±90 BP) *Quercus* sp charcoal from barrow

### Amesbury G51

2310–1950 BC (BM-287: 3738±55 BP) Carbonized wood

1770–1410 BC (HAR-6226: 3310±80 BP) *Acer* sp charcoal from occupation hearth

### Amesbury G61

2150–1600 BC (HAR-6227: 3520±100 BP) *Fraxinus* sp charcoal from burnt area

2140–1680\* BC (HAR-6225: 3550±80 BP) *Fraxinus* sp charcoal and burnt bone

1750–1400 BC (HAR-10514: 3290±80 BP) Charcoal from cremation Grave 2

### Amesbury G71

2500–1750 BC (NPL-77: 3690±110 BP) Charcoal from a grave pit

2200–1650 BC (NPL-75: 3590±90 BP) Charcoal from fire in mound

### Amesbury G72

2900–2350 BC (HAR-10516: 4070±90 BP) Charcoal from disturbed natural pit below barrow

2300–1650 BC (HAR-10515: 3610±90 BP) Charcoal from ditch bottom

### Durrington Down 7

2500–1750 BC (OxA-1398: 3700±100 BP) Bone from crouched inhumation

### Shrewton 5a

2130–1770\* BC (BM-2525: 3590±50 BP) Human femur from secondary burial

2030–1740 BC (BM-2517: 3560±50 BP) Human bone from inhumation in Pit 1

1700–1100 BC (HAR-4828: 3170±90 BP) Charcoal from secondary cremation cemetery

1700–1050 BC (HAR-4827: 3120±100 BP) Charcoal from secondary cremation cemetery

### Shrewton 5K

2480–2200 BC (BM-3017: 3900±40 BP) Human bone from the primary burial

### Shrewton 24

2310–1970\* BC (BM-2516: 3750±50 BP) Human bone from crouched inhumation

### Shrewton 25

2300–1750 BC (HAR-4831: 3640±80 BP) Charcoal from Pit 1 beneath monument

### Winterbourne Stoke 44

2460–1950\* BC (HAR-4832: 3760±70 BP) Antler within cremation

## STONEHENGE

4340-3980 BC (OxA-4902: 5350±80 BP) Animal bone among packing stones of Stonehole 27

3550-2900 BC (OxA-4842: 4520±100 BP) Ox skull from structured deposit in ditch at south entrance

3500-3030\* BC (OxA-4833: 4550±60 BP) Red deer tibia from ditch at south entrance near terminal

3350-2920\* BC (OxA-4834: 4460±45 BP) Ox right jaw from ditch at south entrance near terminal

3340-2920\* BC (OxA-4835: 4455±40 BP) Ox right jaw from ditch at south entrance near terminal

3340-2900\* BC (BM-1583: 4410±60 BP) Antler from ditch near the northeast entrance of Phase 1

3310-2920\* BC (UB-3794: 4432±22 BP) Antler from context 2934, bottom of primary ditch of Phase 1

3310-2880\* BC (OxA-4904: 4365±55 BP) Antler from the base of the secondary ditch fill

3260-2910\* BC (OxA-5982: 4405±30 BP) Three articulated cattle vertebrae, from ditch

3100-2700 BC (OxA-4843: 4315±60) Animal bone from the secondary ditch fill

3100-2690\* BC (OxA-4881: 4300±60) Animal bone from the secondary ditch fill

3100-2680\* BC (OxA-4841: 4295±60) Animal bone from the secondary ditch fill

3100-2600 BC (OxA-4883: 4300±70 BP) Bone chisel from the secondary ditch fill

3090-2910\* BC (UB-3791: 4397±18 BP) Antler from the secondary ditch fill near east-northeast causeway

3090-2620\* BC (OxA-4882: 4270±65) Animal bone from the secondary ditch fill

3080-2910\* BC (UB-3788: 4381±18 BP) Antler from the bottom of the primary ditch, Phase 1

3080-2910\* BC (UB-3787: 4375±19 BP) Antler from the bottom of the primary ditch, Phase 1

3030-2910 BC (UB-3790: 4367±18 BP) Antler from the bottom of the primary ditch, Phase 1

3030-2910 BC (UB-3792: 4365±18 BP) Antler from the bottom of the primary ditch, Phase 1

3020-2880\* BC (UB-3789: 4330±18 BP) Antler from the bottom of the primary ditch, Phase 1

3000-1500 BC (C-602: 3798±275 BP) Charcoal from cremation at Aubrey Hole 32

2950-2350 BC (I-2328: 4130±105 BP) Antler dating ditch construction

2920-2620 BC (OxA-4844: 4220±60 BP) Animal bone from upper secondary fill in ditch of Phase 2b

2910-2670\* BC (OxA-5981: 4220±35 BP) Piglet bone from articulated skeleton in backfill of ditch, Phase 2

2850-2300\* BC (OxA-4837: 3995±60 BP) Antler from causeway, Stonehole E, Phase 3

2630-2340 BC (OxA-4840: 3985±45 BP) Antler from sarsen trilithon stonehole, Phase 3ii

2620-2340 BC (OxA-4903: 3980±45 BP) Animal bone from upper fill in ditch, Phase 2a

2580-2470 BC (UB-3821: 4023±21 BP) Antler from sarsen circle Stonehole 1, Phase 3ii

2580-2280 BC (OxA-4884: 3935±50 BP) Antler from the Avenue northern ditch, Phase 3

2500-1650 BC (BM-46: 3670±150 BP) Antler from base of ramp of the Great Trilithon

2490-2140\* BC (OxA-4880: 3875±55 BP) Animal bone from secondary fill in the ditch, Phase 2a

2470-2200\* BC (OxA-4838: 3885±40 BP) Antler from causeway, Stonehole E, Phase 3

2470-2200 BC (OxA-4839: 3860±40 BP) Antler from sarsen trilithon, Stonehole 57 of Phase 3ii

2470-2200 BC (OxA-4905: 3865±40 BP) Animal bone from the Avenue southern ditch, Phase 3

2470-2190 BC (OxA-4900: 3865±50 BP) Antler from bluestone circle, Stonehole 40c, Phase 3iv

2470-2140 BC\* (OxA-4879: 3855±55 BP) Animal bone from the upper secondary ditch fill, Phase 2a

2410-2040\* BC (OxA-4901: 3800±45 BP) Pig bone from Q hole 'in fill near top of hole', Phase 3i

2400-2140\* BC (OxA-5044: 3817±27 BP) Human femur from burial cut into the secondary ditch fill, Phase 3

2400-2140\* BC (OxA-4886: 3817±27 BP) Human femur from burial cut into the secondary ditch fill, Phase 3

2400-2140\* BC (OxA-5045: 3817±27 BP) Human femur from burial cut into the secondary ditch fill, Phase 3

2400-2140\* BC (OxA-5046: 3817±27 BP) Human femur from burial cut into the secondary ditch fill, Phase 3

2310-1880 BC (BM-1582: 3715±70 BP). Human femur from Beaker burial, Phase 3

2300-1600 BC (I-2384: 3570±110 BP) Antler from base of unfinished R hole

2290–1980\* BC (OxA-4878: 3740±40 BP) Animal bone from bluestone circle, Stonehole 40c, Phase 3iv

2290–1880\* BC (BM-1164: 3678±68 BP) Antler from Avenue northern ditch, Phase 3

2280–1910\* BC (OxA-4877: 3695±55 BP) Antler from bluestone horseshoe, Stonehole 63a, Phase 3v

2150–1300 BC (HAR-4878: 3400±150 BP) Charcoal from stone floor near the Heel Stone

2150–1300 BC (HAR-4879: 3400±150 BP) Charcoal from stone floor

2020–1740\* BC (OxA-4836: 3540±45 BP) Antler from Z Hole 29, Phase 3vi

1880–1680\* BC (UB-3824: 3449±24 BP) Antler from Y Hole 30, stacked on base, Phase 3vi

1750–1100 BC (I-2445: 3190±105 BP) Antler from base of Y Hole 30 (Phase 3b/3c transition)

1690–1520 BC (UB-3822: 3341±22 BP) Antler from Y Hole 30, stacked on base, Phase 3vi

1680–1510\* BC (UB-3823: 3300±19 BP) Antler from Y Hole 30, stacked on base, Phase 3vi

790–410 BC (OxA-4885: 2480±60 BP) Bone point from post-monument sarsen circle, Stonehole 8

770–410\* BC (UB-3820: 2468±27 BP) Bone from post-monument Palisade Ditch, human burial cut into ditch

AD 680–1000 (HAR-???: 1190±80 BP) Human bone from skeleton 4.10.4 submitted for dating in 1975

AD 430–660 (OxA-9921: 1490±60 BP) Human bone from skeleton 4.10.4, grave pit

AD 610–780\* (OxA-9361: 1359±38 BP) Human bone from skeleton 4.10.4, grave pit

## STONEHENGE AVENUE (NORTH OF THE A344)

2340–1910 BC (HAR-2013: 3720±70 BP) Antler pick from bottom of southeast ditch

2290–1880\* BC (BM-1164: 3678±68 BP) Antler from bottom of northwest ditch at the northwest end

1700–800 BC (BM-1079: 3020±180 BP) Antler from northeast ditch just north of West Amesbury House

1300–750 BC (I-3216: 2750±100 BP) Antler and bone from both ditches below Amesbury bypass

## STONEHENGE CAR-PARK

8800–7700 BC (HAR-455: 9130±180 BP) *Pinus* charcoal from Posthole A

8300–7600 BC (GU-5109: 8880±120 BP) *Pinus* charcoal from Posthole WA 9580

7750–7350\* BC (OxA-4919: 8520±80 BP) *Pinus* charcoal from Posthole WA 9580

7600–7170 BC (OxA-4920: 8400±100 BP) *Pinus* charcoal from Posthole WA 580

7500–6650 BC (HAR-456: 8090±140 BP) *Pinus* charcoal from Posthole B

## STONEHENGE CURSUS

2890–2460 BC (OxA-1403: 4100±90 BP) Antler from ditch fill

## WILSFORD SHAFT

3650–3100\* BC (OxA-1089: 4640±70 BP) Wood from bucket

1880–1410\* BC (NPL-74: 3330±90 BP) Waterlogged wood from chalk rubble 33m down shaft

1690–1290 BC (OxA-1229: 3200±80 BP) *Bos* horncore

1600–1260\* BC (OxA-1216: 3160±60 BP) Wood from bucket

1530–1250 BC (OxA-1217: 3150±60 BP) Wood from bucket

1530–1210 BC (OxA-1214: 3130±70 BP) *Bos* skull

1520–1250 BC (OxA-1215: 3130±60 BP) *Ovis* skull

800–200\* BC (OxA-1212: 2360±60 BP) Human left femur

800–150 BC (OxA-1211: 2320±80) Human left femur

790–410 BC (OxA-1213: 2480±60 BP), *Equus* cuboid/tibia

770–400 BC (OxA-1210: 2450±60 BP) *Equus* calcaneum

## WOODHENGES

2470–2030\* BC (BM-677: 3817±74 BP) Antler pick from floor of ditch

2340–1970\* BC (BM-678: 3755±54 BP) Animal bone in primary rubble silt of ditch