

4. RADIOCARBON DATING

Thirteen samples of wood charcoal recovered from archaeological contexts were submitted to the Scottish Universities Environmental Research Centre (SUERC) for radiocarbon dating. Three of these samples proved to contain insufficient carbon to return dates. For the ten samples that proved viable, calibrated date ranges were calculated using

the IntCal20 atmospheric calibration curve in OxCal v4. Generally, these radiocarbon dates indicate occupation of the roundhouse during the Middle Bronze Age. However, it should be noted that there was evidence of root disturbance across the site, which may have limited the archaeological security of the ecofacts recovered, in particular from features in the roundhouse interior. Conventional radiocarbon ages (Stuiver & Polach 1977) are presented in Table 1.

Table 1 Radiocarbon dates

SUERC lab no.	Feature No.	Context No.	Material/species	Uncal (BP)	Calibrated 1-sigma (68%; cal BC)	Calibrated 2-sigma (95%; cal BC)	$\delta^{13}\text{C}$ (‰)
SUERC-111671	Posthole [080]	081	Charcoal: oak	3134±27	1442–1323	1495–1304	–26.0
SUERC-111663	Wall core	011	Charcoal roundwood: Hazel	3144±27	1490–1329	1498–1312	–29.6
SUERC-111668	Occupation deposit?	032	Charcoal: oak	3322±27	1617–1542	1676–1511	–26.0
SUERC-111662	Pit [009]	008	Charcoal: alder	3256±27	1540–1458	1612–1447	–27.1
SUERC-111669	Posthole [070]	071	Charcoal: hazel	3210±27	1502–1448	1516–1424	–26.9
SUERC-111670	Posthole [072]	073	Charcoal: oak	3380±27	1732–1624	1746–1546	–27.4
SUERC-122116	Turf deposit	047	Charcoal: hazel	3258 ±24	1539–1463	1610–1451	–28.7
SUERC-111664	Bank deposit	015	Charcoal: oak	3448±27	1872–1693	1880–1644	–25.9
SUERC-122115	Posthole [039]	040	Charcoal: hazel	3828 ±28	2338–2204	2451–2148	–25.0
SUERC-122117	Pit [078]	079	Charcoal: Pine roundwood	4170 ±24	2475–2697	2881–2636	–28.2