Supplemental Table 1. Nunalleq sample details and radiocarbon and stable isotope data.

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| Laboratory Code | Context | Context Description | Material/Species Dated | Conventional  14C age (BP) | δ13C (‰) | δ15N (‰) | C:N | % Yield | % C | Calibrated Range  (95% confidence) |
| OxA-33999 | 15006 | Orange brown poorly humified peat layer. | *Sphagnum* sect. *Acutifolia* | 129 ± 26 | -23.96 |  |  | 68.6 | 38.7 | AD 1680-1940 |
| OxA-33987 | 15037 | House floor: mid brown friable silt (800 x 700 cm); 5-30 cm deep. Highly disturbed by later construction phase. | *Rangifer tarandus* proximal metacarpal, fused (adult), no butchery, poor condition. | 168 ± 25 | -18.68 | 1.0 | 3.2 | 14.1 | 44.8 | AD 1665-1950 |
| OxA-33998 | 15016 | Golden brown humified peat layer. | *Sphagnum* sect. *Sphagnum* | 173 ± 27 | -23.56 |  |  | 76.6 | 38.3 | AD 1660-1950 |
| OxA-33994 | 14069 | House floor: dark brown friable silt (475 x 100 cm); up to 10 cm thick | *Rangifer tarandus* distal humerus, fused (adult), average condition, butchery marks, likely chewed, light exfoliation. | 210 ± 27 | -17.94 | 1.9 | 3.2 | 13.4 | 43.9 | AD 1645-1950 |
| OxA-33997 | 15034 | Outdoor living surface: mottled mixed firm silt (210 x 170 cm); 20 cm thick; frequent moss. | *Rubus chamaemorus* patch - likely single deposition. | 219 ± 26 | -25.30 |  |  | 72 | 42.6 | AD 1645-1950 |
| OxA-33995 | 15042 | Outdoor living surface: reddish brown friable silt (500 x 600 cm); 30 cm deep; frequent wood debris and artefacts. | *Rubus chamaemorus* seeds isolated from sediment matrix. | 232 ± 26 | -25.46 |  |  | 88.8 | 43 | AD 1640-1950 |
| OxA-33988 | 14100 | House floor: friable clayey silt deposit, (1200 x 700 cm); c.10 cm thick. | *Rangifer tarandus* proximal ulna, fused (adult), butchery marks, excellent condition. | 232 ± 26 | -17.57 | 1.5 | 3.2 | 15.2 | 44 | AD 1640-1950 |

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| OxA-33992 | 15073 | House floor: dark brown silt (250 x 110 cm); 4 cm thick | *Rangifer tarandus* axis, complete, fused (adult), no butchery, average condition. | 253 ± 28 | -17.80 | 2.5 | 3.3 | 9.7 | 46.2 | AD 1520-1950 |
| OxA-33991 | 15106 | House floor: mottled mixed loose silty clay (283 x 170 cm); 6 cm deep. | *Rangifer tarandus* mid phalanges, complete, fused (adult), no butchery, partially chewed, very good condition. | 259 ± 26 | -18.27 | 1.3 | 3.2 | 16.3 | 46.8 | AD 1520-1800 |
| OxA-34189 | 14075 | House floor: dark brown friable silt (200 x 100 cm); 5 cm thick; very rich in dog hair. | *Rangifer tarandus* metacarpal, no butchery, average condition, possible juvenile. | 266 ± 28 | -17.23 | 2.4 | 3.2 | 14.2 | 43.9 | AD 1520-1800 |
| OxA-34187 | 15105 | House floor; dark brown friable silt (600 x 400 cm); 10 cm thick | *Rangifer tarandus* metatarsal, chewed, age uncertain, no butchery, good condition. | 278 ± 27 | -17.81 | 1.1 | 3.1 | 15.7 | 44 | AD 1515-1795 |
| OxA-33990 | 15123 | House floor: dark brown friable silt (240 x 70 cm); 5 cm thick | *Rubus chamaemorus* seeds isolated from sediment matrix. | 290 ± 26 | -26.54 |  |  | 71.3 | 45.6 | AD 1500-1660 |
| OxA-33989 | 14078 | House floor: dark brown friable silt (1000 x 800 cm). | *Rangifer tarandus* complete phalanges, fused (adult), generalised exfoliation, poor condition. | 303 ± 26 | -18.13 | 1.8 | 3.2 | 15.3 | 45.6 | AD 1490-1650 |

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| OxA-34186 | 15105 | House floor; dark brown friable silt (600 x 400 cm); 10 cm thick | *Rangifer tarandus* metatarsal, chewed, age uncertain, no butchery, good condition. | 308 ± 26 | -17.88 | 1.0 | 3.1 | 19.7 | 46.3 | AD 1490-1650 |
| OxA-34188 | 15099 | House floor: dark brown loose silt (225 x 100 cm); 5 cm thick. | *Rangifer tarandus* complete rib, proximal, good condition, fusion not visible (probably adult), likely chewed. | 310 ± 27 | -17.91 | 1.9 | 3.2 | 17.2 | 45.5 | AD 1490-1650 |
| OxA-33985 | 15184 | Unexcavated context. Top of earliest occupation phase exposed at the end of 2015 season. | *Rubus chamaemorus* seeds isolated from sediment matrix. | 311 ± 26 | -25.68 |  |  | 45.8 | 45.2 | AD 1490-1650 |
| OxA-33986 | 15170 | Unexcavated context. Top of earliest occupation phase exposed at the end of 2015 season. | *Rubus chamaemorus* seeds isolated from sediment matrix. | 329 ± 26 | -23.87 |  |  | 66.5 | 43.5 | AD 1480-1645 |
| OxA-33993 | 14081 | House floor: greyish brown friable silt (240 x 235 m); 10 cm thick; abundant dog hair. | *Rangifer tarandus* astragalus, very degraded | 385 ± 27 | -17.71 | 1.4 | 3.2 | 10.6 | 45.8 | AD 1445-1630 |
| OxA-33984 | KUB |  | *Rubus chamaemorus* seeds isolated from sediment matrix. | 400 ± 27 | -25.00 |  |  | 36.2 | 43.5 | AD 1440-1620 |