Table S-1. Aleutian burials with sex, cranial category, and radiocarbon measurements based on the data from Coltrain et al. (2006) and Coltrain (2010), calibrated with new ∆R, and sorted by calibrated intercept date BC-AD. Calibration was conducted in OxCal 4.3 with “Marine13” calibration curve and ∆R value 495 ± 20 years. Cranial category: NA - Neo-Aleut, PA - Paleo-Aleut.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Curation No. | Site | Sex | Cranial category | AANumber | 14C yr BP | Cal age BP | Cal date AD |
| mean | range 2σ | mean | range 2σ |
| 17485 | Kagamil | F | NA | 43237 | 952 ± 41 | 87 | 227-… | 1863 | 1724-… |
| 378606 | Chaluka | F | NA | 43226 | 962 ± 48 | 100 | 230-... | 1850 | 1721-… |
| 378613 | Chaluka | F | PA | 43231 | 977 ± 38 | 106 | 230-... | 1844 | 1721-… |
| 377810 | Kagamil | F | NA | 43242 | 1026 ± 50 | 153 | 268-… | 1797 | 1682-… |
| 377815 | Kagamil | F | NA | 57420 | 1056 ± 40 | 184 | 291-… | 1766 | 1659-… |
| 377919 | Kagamil | M | NA | 57431 | 1059 ± 40 | 187 | 294-… | 1763 | 1656-… |
| 377920 | Kagamil | F | NA | 57432 | 1070 ± 40 | 198 | 350-61 | 1752 | 1646-1889 |
| 378462 | Ship Rock | M | NA | 43250 | 1071 ± 39 | 199 | 304-66 | 1751 | 1646-1884 |
| 377918 | Kagamil | F(?) | NA | 57430 | 1088 ± 41 | 218 | 333-70 | 1732 | 1617-1880 |
| 377911 | Kagamil | F | NA | 57426 | 1104 ± 41 | 240 | 368-116 | 1710 | 1565-1835 |
| 377817 | Kagamil | M | NA | 57421 | 1106 ± 41 | 243 | 385-120 | 1707 | 1565-1831 |
| 377811 | Kagamil | F | NA | 46433 | 1111 ± 42 | 251 | 395-125 | 1699 | 1556-1825 |
| 377914 | Kagamil | F | NA | 57427 | 1116 ± 41 | 259 | 395-131 | 1691 | 1555-1820 |
| 377916 | Kagamil | M | NA | 57429 | 1162 ± 41 | 324 | 442-234 | 1626 | 1509-1717 |
| 377818 | Kagamil | F | NA | 57422 | 1170 ± 43 | 332 | 445-242 | 1618 | 1506-1708 |
| 377813 | Kagamil | M | NA | 57419 | 1182 ± 41 | 342 | 441-256 | 1608 | 1509-1694 |
| 377917 | Kagamil | M | NA | 46432 | 1182 ± 45 | 342 | 449-252 | 1608 | 1501-1698 |
| 377812 | Kagamil | M | NA | 46426 | 1185 ± 42 | 344 | 443-258 | 1606 | 1507-1692 |
| 377906 | Kagamil | M | NA | 57424 | 1193 ± 41 | 350 | 445-265 | 1600 | 1506-1686 |
| 377915 | Kagamil | F | PA | 57428 | 1200 ± 41 | 355 | 449-269 | 1595 | 1501-1681 |
| 377901 | Kagamil | M | NA | 43243 | 1206 ± 51 | 359 | 465-264 | 1591 | 1486-1686 |
| 377902 | Kagamil | M | NA | 43235 | 1214 ± 58 | 364 | 479-261 | 1586 | 1471-1689 |
| 377808 | Kagamil | F | NA | 43240 | 1216 ± 32 | 365 | 450-284 | 1585 | 1501-1666 |
| 377814 | Kagamil | F | NA | 46427 | 1227 ± 45 | 374 | 470-280 | 1577 | 1480-1670 |
| 377816 | Kagamil | M | NA | 46428 | 1228 ± 43 | 374 | 468-283 | 1576 | 1483-1667 |
| 377903 | Kagamil | M | NA | 43236 | 1234 ± 54 | 378 | 481-278 | 1572 | 1469-1672 |
| 378472 | Ship Rock | M | NA (?) | 43256 | 1237 ± 41 | 380 | 471-290 | 1570 | 1479-1660 |
| 377910 | Kagamil | M | NA | 57425 | 1247 ± 41 | 388 | 478-295 | 1562 | 1472-1656 |
| 17479 | Kagamil | M | NA | 43238 | 1255 ± 62 | 392 | 500-280 | 1558 | 1451-1670 |
| 377821 | Kagamil | F | NA (?) | 46430 | 1257 ± 43 | 395 | 485-299 | 1555 | 1465-1652 |
| 378619 | Chaluka | F | PA | 46415 | 1268 ± 82 | 398 | 535-260 | 1552 | 1415-1690 |
| 378543 | Ship Rock | M | PA | 57437 | 1263 ± 44 | 400 | 490-300 | 1550 | 1460-1650 |
| 377904 | Kagamil | F | NA | 43245 | 1266 ± 52 | 401 | 497-296 | 1549 | 1454-1655 |
| 377809 | Kagamil | F | NA | 43241 | 1292 ± 34 | 430 | 501-328 | 1520 | 1449-1623 |
| 378610 | Chaluka | M | PA | 43244 | 1306 ± 53 | 434 | 524-311 | 1516 | 1427-1640 |
| 377807 | Kagamil | M | NA | 43239 | 1331 ± 45 | 460 | 539-335 | 1490 | 1411-1615 |
| 378461 | Ship Rock | M | NA | 43249 | 1336 ± 59 | 460 | 560-310 | 1490 | 1391-1640 |
| 378542 | Ship Rock | F | PA | 57436 | 1335 ± 44 | 464 | 544-337 | 1486 | 1406-1614 |
| 378663 | Chaluka | F | PA (?) | 40425 | 1335 ± 43 | 464 | 544-360 | 1486 | 1407-1590 |
| 378607 | Chaluka | M | PA | 43227 | 1343 ± 59 | 466 | 590-317 | 1484 | 1360-1633 |
| 378620 | Chaluka | M | PA | 46416 | 1348 ± 82 | 467 | 616-309 | 1483 | 1334-1642 |
| 378615 | Chaluka | M | PA | 43233 | 1351 ± 48 | 477 | 590-362 | 1473 | 1360-1589 |
| 378612 | Chaluka | M | PA | 43230 | 1363 ± 95 | 479 | 636-304 | 1471 | 1314-1646 |
| 377900 | Kagamil | M | NA | 57423 | 1353 ± 43 | 480 | 561-383 | 1470 | 1390-1568 |
| 378474 | Ship Rock | M | PA | 43247 | 1361 ± 45 | 487 | 597-400 | 1463 | 1353-1550 |
| 378464 | Ship Rock | M | NA | 43251 | 1372 ± 39 | 496 | 590-420 | 1454 | 1360-1531 |
| 378609 | Chaluka | M | PA | 43248 | 1392 ± 39 | 513 | 606-446 | 1437 | 1345-1505 |
| 378467 | Ship Rock | F | PA | 57434 | 1400 ± 44 | 520 | 615-448 | 1430 | 1335-1502 |
| 377819 | Kagamil | F | NA | 46429 | 1401 ± 42 | 521 | 615-450 | 1429 | 1335-1500 |
| 378608 | Chaluka | F | PA | 43228 | 1404 ± 62 | 524 | 635-425 | 1426 | 1315-1525 |
| 378469 | Ship Rock | M | NA | 43253 | 1410 ± 39 | 528 | 616-462 | 1422 | 1335-1489 |
| 378544 | Ship Rock | M | PA | 57438 | 1410 ± 41 | 528 | 617-460 | 1422 | 1334-1490 |
| 378468 | Ship Rock | F | PA | 43252 | 1420 ± 37 | 535 | 619-471 | 1415 | 1331-1479 |
| 378463 | Ship Rock | M | PA | 57433 | 1434 ± 42 | 547 | 629-477 | 1403 | 1322-1473 |
| 378603 | Chaluka | M | PA | 43223 | 1441 ± 65 | 552 | 654-455 | 1398 | 1297-1496 |
| 378471 | Ship Rock | M | NA (?) | 43255 | 1446 ± 44 | 555 | 635-484 | 1395 | 1316-1466 |
| 378541 | Ship Rock | F | NA (?) | 57435 | 1457 ± 41 | 562 | 636-494 | 1388 | 1315-1456 |
| 378611 | Chaluka | M | NA | 43229 | 1479 ± 42 | 575 | 645-504 | 1375 | 1305-1446 |
| 378605 | Chaluka | M | PA | 43225 | 1485 ± 44 | 578 | 650-505 | 1372 | 1300-1445 |
| 378473 | Ship Rock | F | PA | 43257 | 1506 ± 42 | 589 | 660-516 | 1361 | 1290-1435 |
| 378470 | Ship Rock | F | PA | 43254 | 1506 ± 56 | 590 | 675-501 | 1360 | 1276-1449 |
| 378629 | Chaluka | M | PA | 46422 | 1536 ± 32 | 608 | 670-536 | 1342 | 1280-1414 |
| 378601 | Chaluka | F | PA | 43246 | 1566 ± 52 | 632 | 727-532 | 1318 | 1223-1419 |
| 378604 | Chaluka | F | PA | 43224 | 1573 ± 44 | 638 | 723-544 | 1312 | 1228-1406 |
| 377913 | Kagamil | M | PA | 46431 | 1580 ± 52 | 645 | 743-539 | 1305 | 1208-1412 |
| 378622 | Chaluka | M | PA | 46418 | 1830 ± 84 | 878 | 1060-689 | 1072 | 891-1262 |
| 378623 | Chaluka | F | PA | 57414 | 1918 ± 43 | 976 | 1105-874 | 974 | 845-1076 |
| 378602 | Chaluka | M | PA | 43222 | 1944 ± 37 | 999 | 1112-907 | 951 | 838-1044 |
| 378633 | Chaluka | M | PA | 57417 | 2025 ± 44 | 1085 | 1211-961 | 865 | 740-989 |
| 378621 | Chaluka | F | PA | 46417 | 2044 ± 84 | 1102 | 1269-928 | 848 | 681-1022 |
| 378627 | Chaluka | M | PA | 57416 | 2042 ± 44 | 1104 | 1226-976 | 846 | 725-974 |
| 378639 | Chaluka | F | PA | 57418 | 2044 ± 44 | 1106 | 1227-979 | 844 | 723-972 |
| 378616 | Chaluka | F | PA | 43234 | 2124 ± 67 | 1179 | 1321-1026 | 771 | 630-925 |
| 378646 | Chaluka | F | PA | 46424 | 2179 ± 44 | 1238 | 1338-1138 | 712 | 613-813 |
| 378614 | Chaluka | M | PA | 43232 | 2805 ± 54 | 1928 | 2092-1790 | 22 | BC 143-161  |
| 378628 | Chaluka | F | PA | 46421 | 2838 ± 48 | 1967 | 2109-1836 | BC 18 | BC 160-115  |
| 378624 | Chaluka | M | PA | 57415 | 3708 ± 57 | 3021 | 3193-2850 | BC 1072 | BC 1244-901 |
| 378625 | Chaluka | M | PA | 46419 | 3722 ± 88 | 3043 | 3295-2811 | BC 1094 | BC 1346-862 |
| 378626 | Chaluka | M | PA | 46420 | 3754 ± 54 | 3080 | 3252-2906 | BC 1131 | BC 1303-957 |
| 378630 | Chaluka | F | PA | 46423 | 3758 ± 42 | 3085 | 3226-2941 | BC 1136 | BC 1277-992 |