

Supplementary data 2: M2PP C14 results

Lab No.	Provenance	Species	CRA	Error	d13C ‰	Cal 1 sigma	Cal 2 sigma
Wk-41516	(R26/38) F4	Five finger	388	20		1495AD (17.0%) 1506AD 1588AD (51.2%) 1617AD	1477AD (32.8%) 1512AD 1548AD (1.9%) 1558AD 1574AD (60.8%) 1624AD
Wk-41517	(R26/370) Trench 1 F1	Mapou	364	20		1504AD (9.5%) 1514AD 1544AD (51.2%) 1589AD 1616AD (7.5%) 1624AD	1500AD (82.5%) 1594AD 1612AD (12.9%) 1628AD
Wk-41518	(R26/373) Trench 2 F29	Mapou	347	20	-24.7 ± 0.2	1511AD (45.3%) 1550AD 1558AD (15.5%) 1574AD 1622AD (7.5%) 1629AD	1507AD (82.3%) 1584AD 1619AD (13.1%) 1633AD
Wk-41519	(R26/430) F3	Vine sp 1 cm	227	20		1668AD (5.5%) 1672AD 1744AD (30.0%) 1758AD	1665AD (10.1%) 1674AD 1737AD (85.3%) 1799AD

Lab No.	Provenance	Species	CRA	Error	d13C ‰	Cal 1 sigma	Cal 2 sigma
						1779AD (32.8%) 1797AD	
Wk-41520	(R26/433) Trench 11a F3	Mahoe	361	20		1506AD (9.1%) 1515AD 1541AD (51.7%) 1588AD 1618AD (7.4%) 1625AD	1502AD (84.2%) 1592AD 1615AD (11.2%) 1628AD
Wk-41521	(R26/469) N- PP EB T2 F2	Hinau seed	371	20		1501AD (12.7%) 1512AD 1548AD (14.1%) 1563AD 1570AD (28.8%) 1594AD 1612AD (12.7%) 1623AD	1496AD (19.1%) 1522AD 1536AD (76.3%) 1626AD
Wk-41522	(R26/471) N-PP North Trench F1	Coprosma	401	20		1480AD (39.0%) 1501AD 1595AD (29.2%) 1612AD	1462AD (57.6%) 1504AD 1590AD (37.8%) 1616AD
Wk-41523	(R26/474) F1-3 lens 2	Ngaio, mahoe	375	20		1499AD (15.4%) 1511AD	1494AD (19.9%) 1518AD 1538AD (75.5%) 1625AD 1610AD (16.3%) 1622AD

Lab No.	Provenance	Species	CRA	Error	d13C ‰	Cal 1 sigma	Cal 2 sigma
						1550AD (6.1%) 1558AD 1574AD (30.5%) 1598AD	
Wk-41524	(R26/475) F2 fire scoop	Ngaio	395	20		1485AD (29.1%) 1502AD 1592AD (39.1%) 1614AD	1462AD (45.9%) 1508AD 1585AD (49.5%) 1620AD
Wk-41525	(R26/477) F2	Hinau seed	416	20		1461AD (68.2%) 1494AD	1456AD (84.0%) 1500AD 1597AD (11.4%) 1610AD
Wk-41526	(R26/478) F4	Tawa small stem	390	20		1492AD (19.6%) 1504AD 1589AD (48.6%) 1616AD	1464AD (36.9%) 1510AD 1576AD (58.5%) 1623AD
Wk-41527	(R26/479) F3	Hebe	361	20		1506AD (9.1%) 1515AD 1541AD (51.7%) 1588AD 1618AD (7.4%) 1625AD	1502AD (84.2%) 1592AD 1615AD (11.2%) 1628AD
Wk-41528	(R26/480) F4	Five finger	413	20		1462AD (68.2%) 1495AD	1458AD (80.1%) 1500AD 1596AD (15.3%) 1612AD

Lab No.	Provenance	Species	CRA	Error	d13C ‰	Cal 1 sigma	Cal 2 sigma
Wk-41529	(R26/481) F1a second lens	Hinau seed case	322	20		1520AD (15.6%) 1535AD 1626AD (52.6%) 1644AD	1511AD (31.6%) 1549AD 1622AD (63.8%) 1649AD
Wk-41530	(R26/482) F3	Hinau seed case	353	20		1510AD (14.8%) 1524AD 1535AD (48.3%) 1578AD 1622AD (5.1%) 1626AD	1506AD (83.9%) 1588AD 1616AD (11.5%) 1630AD
Wk-41531	(R26/486) F8 L2 sp i	Five finger	390	20		1492AD (19.6%) 1504AD 1589AD (48.6%) 1616AD	1576AD (58.5%) 1623AD
Wk-41532	(R26/487) O-WR DT T4.1 F8	Mahoe	215	27	-25.3 ± 0.2	1673AD (3.8%) 1676AD 1738AD (15.1%) 1747AD 1756AD (49.3%) 1782AD	1668AD (11.9%) 1678AD 1734AD (79.6%) 1784AD 1793AD (4.0%) 1798AD

Lab No.	Provenance	Species	CRA	Error	d13C ‰	Cal 1 sigma	Cal 2 sigma
Wk-41533	(R26/489) Trench 3 F1	Hebe	372	20		1501AD (13.5%) 1512AD 1549AD (11.4%) 1560AD 1572AD (29.7%) 1595AD 1612AD (13.6%) 1622AD	1496AD (19.0%) 1520AD 1537AD (76.4%) 1626AD
Wk-42238	(R26/373) Trench 5, column sample 70, NW quad	Tuatua	1054	26	1.4 ± 0.2	1282AD (61.4%) 1358AD 1371AD (6.8%) 1384AD	1252AD (95.4%) 1414AD
Wk-42239	(R26/430) F3	Tuatua	744	26	1.5 ± 0.2	1506AD (68.2%) 1619AD	1474AD (95.4%) 1655AD
Wk-42240	(R26/433) Trench 11a F3	Tuatua	747	27	1.7 ± 0.2	1502AD (68.2%) 1616AD	1470AD (95.4%) 1655AD
Wk-42241	(R26/462) Column sample 1	Tuatua	691	26	1.1 ± 0.2	1554AD (68.2%) 1657AD	1506AD (95.4%) 1686AD

Lab No.	Provenance	Species	CRA	Error	d13C ‰	Cal 1 sigma	Cal 2 sigma
Wk-42242	(R26/468) F1	Tuatua	770	26	1.7 ± 0.2	1474AD (68.2%) 1580AD	1458AD (95.4%) 1642AD
Wk-42243	(R26/475) F2 fire scoop	Tuatua	763	26	1.7 ± 0.2	1480AD (68.2%) 1590AD	1462AD (95.4%) 1646AD
Wk-42244	(R26/478) F1	Tuatua	758	20	1.5 ± 0.2	1487AD (65.0%) 1594AD 1606AD (3.2%) 1614AD	1464AD (95.4%) 1649AD
Wk-42245	(R26/479) F2	Tuatua	740	20	1.2 ± 0.2	1511AD (68.2%) 1621AD	1476AD (95.4%) 1658AD
Wk-42246	(R26/480) F3	Tuatua	749	27	1.6 ± 0.2	1500AD (62.7%) 1595AD 1605AD (5.5%) 1615AD	1470AD (95.4%) 1654AD
Wk-42247	(R26/481) F1a second lens	Tuatua	716	27	1.6 ± 0.2	1534AD (68.2%) 1639AD	1492AD (95.4%) 1671AD
Wk-42248	(R26/482) F23	Tuatua	693	27	1.5 ± 0.2	1552AD (68.2%) 1656AD	1504AD (95.4%) 1684AD
Wk-42249	(R26/485) F1	Tuatua	750	27	1.5 ± 0.2	1498AD (62.8%) 1595AD	1470AD (95.4%) 1652AD

Lab No.	Provenance	Species	CRA	Error	d13C ‰	Cal 1 sigma	Cal 2 sigma
						1605AD (5.4%) 1615AD	
Wk-42250	(R26/486) F15	Tuatua	773	27	1.5 ± 0.2	1472AD (68.2%) 1578AD	1456AD (95.4%) 1642AD
Wk-42251	(R26/490) F1 midden	Tuatua	697	28	2.2 ± 0.2	1549AD (68.2%) 1652AD	1503AD (95.4%) 1682AD
Wk-42252	(R26/497) F1	Tuatua	719	29	1.3 ± 0.2	1532AD (68.2%) 1638AD	1490AD (95.4%) 1670AD
Wk-47470	R26/524	Tuatua	727	26	1.9 ± 0.5	1522AD (68.2%) 1637AD	1477AD (95.4%) 1671AD
Wk-47471	R26/697	Tuatua	709	26	0.7 ± 0.5	1536AD (68.2%) 1647AD	1487AD (95.4%) 1681AD
Wk-47472	R26/497 AD 14	Tuatua	549	23	2.2 ± 0.5	1688AD (68.2%) 1821AD	1660AD (92.3%) 1901AD 1930AD (3.1%)
Wk-47473	R26/538	Tuatua	742	23	0.6 ± 0.5	1506AD (68.2%) 1624AD	1470AD (95.4%) 1661AD
Wk-47474	R26/661	Tuatua	702	23	1.6 ± 0.5	1542AD (68.2%) 1651AD	1492AD (95.4%) 1685AD
Wk-47475	R26/604	Tuatua	738	23	1.5 ± 0.5	1511AD (68.2%) 1626AD	1472AD (95.4%) 1664AD

Lab No.	Provenance	Species	CRA	Error	d13C ‰	Cal 1 sigma	Cal 2 sigma
Wk-47476	R26/ 639	Tuatua	755	23	0.8 ± 0.5	1491AD (63.2%) 1595AD 1605AD (5.0%) 1615AD	1462AD (95.4%) 1655AD
Wk-47477	R26/615	Tuatua	746	23	1.0 ± 0.5	1502AD (68.2%) 1620AD	1468AD (95.4%) 1660AD
Wk-47478	R26/528	Tuatua	804	27	1.0 ± 0.5	1450AD (68.2%) 1546AD	1430AD (95.4%) 1635AD
Wk-47479	R26/544	Tuatua	706	23	0.7 ± 0.5	1538AD (68.2%) 1649AD	1491AD (95.4%) 1681AD
Wk-47480	R26/554	Tuatua	728	23	2.3 ± 0.5	1522AD (68.2%) 1635AD	1478AD (95.4%) 1669AD
Wk-47481	R26/612	Tuatua	668	27	1.3 ± 0.5	1562AD (68.2%) 1678AD	1491AD (94.7%) 1724AD 1475AD (0.2%) 1750AD 1790AD (0.5%) 1800AD
Wk-47482	R26/479 AD25	Tuatua	778	29	1.0 ± 0.5	1465AD (68.2%) 1581AD	1448AD (95.4%) 1647AD
Wk-47483	R26/567	Tuatua	686	28	1.5 ± 0.5	1550AD (68.2%) 1664AD	1492AD (95.4%) 1699AD
Wk-44831	R26/372 F1	Tuatua	681	28	1.0 ± 0.3	1544AD (68%) 1668AD	1492AD (95%) 1705AD

Lab No.	Provenance	Species	CRA	Error	d13C ‰	Cal 1 sigma	Cal 2 sigma
Wk-44832	R26/372 F2	Tuatua	734	28	2.6 ± 0.3	1515AD (68%) 1632AD	1472AD (95%) 1668AD
Wk-44833	R26/276 F4	Tuatua	747	28	2.7 ± 0.3	1500AD (68%) 1620AD	1465AD (95%) 1661AD
Wk-44834	R26/276 F5	Tuatua	689	28	1.5 ± 0.3	1550AD (68%) 1661AD	1492AD (95%) 1696AD
Wk-44835	R26/276 F1	Tuatua	769	23	1.4 ± 0.1	1474AD (68%) 1587AD	1455AD (95%) 1649AD