

Supplemental Table 2. Islands, Their Characteristics, and Proxies for Island Colonization Times Used in the Analysis.

Island(s)	Land Area (km ²)	Elevation (m)	14C Date ESC (Error)	Material	ΔR (error)	Lab number	Reference
Bismarck and Solomon Islands	100,407	2,679	3470 (90)	marine	365 (50)	ANU-5088	Kirch and Hunt (1988)
Santa Cruz and Reef Islands	1,159	883	3192 (51)	marine	-81 (64)	WK-12304	Sheppard (2012)
Vanuatu	15,878	3,405	2961 (36)	terrestrial	-	WK-16830	Bedford et al. (2009)
New Caledonia and Loyalty Islands	23,586	1,563	2930 (90)	terrestrial	-	Beta-92753	Sand (1998)
Fiji	21,266	1,278	2852 (57)	terrestrial	-	WK-10294	Irwin et al. (2011)
Tonga	488	269	2790 (50)	terrestrial	-	CAMS-59624	Burley et al. (2001)
Samoa	3,907	1,811	3062 (66)	marine	57 (23)	NZA-5800	Petchey (2001)
Niue	355	58	1920 (90)	terrestrial	-	ANU-9684	Walter and Anderson (1995)
Pukapuka	10	12	2310 (65)	terrestrial	-	*	Chikamori (1998) cited in Kirch (2000)
Southern Cook Islands	170	602	982 (32)	terrestrial	-	Wk-23344	Wilmshurst et al. (2011)
Austral Islands	159	386	805 (30)	terrestrial	-	NOSAMS-48157	Bolt (2008)
Society Islands	2,161	1,680	982 (32)	terrestrial	-	Wk-23344	Wilmshurst et al. (2011)
Mangareva	57	390	970 (40)	terrestrial	-	Beta-271082	Kirch et al. (2010)
Marquesas	658	1,181	855 (45)	terrestrial	-	OZI977	Allen (2009)
Hawaii	20,972	4,148	1350 (230)	terrestrial	-	Beta-20852b	Tuggle and Spriggs (2000)
Fanning	731	19	1560 (85)	terrestrial	-	*	Sinoto (1973)
Pitcairn	80	296	1120 (50)	terrestrial	-	B-45596	Weisler (1995)
Easter	253	466	870 (40)	terrestrial	-	Beta-209904	Hunt and Lipo (2005)
Kermadec	62	466	1100 (45)	marine	-157 (68)	Wk-2282	Higham and Johnson (1995)
New Zealand	172,265	2,545	891 (106)	terrestrial	-	NZ-7889	NZ Radiocarbon database. http://www.waikato.ac.nz/nzcd/index.html
Chatham	1,442	287	780 (38)	marine	104 (14)	NZ-7492	McFadgen (1994)
Marshall	353	3	1900 (100)	terrestrial	-	*	Shun and Athens (1990)
Tuvalu	11	6	870 (70)	marine	-37 (19)	*	Takayama and Akane (1987)
Tikopia	17	314	2680 (90)	terrestrial	-	UCR-964	Kirch and Yen (1982)

Note: Archaeological dating of early sites yield approximate colonization times, providing sets **S** and **C** in the model. References cited in this table are below.

*Not available.

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