

Ages of seamounts, islands and plateaus on the Pacific plate

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Valérie Clouard⁽¹⁾ and Alain Bonneville⁽²⁾
valerie@dgf.uchile.cl bonnevil@ipgp.jussieu.fr

⁽¹⁾ [Departamento de Geofísica](#) - U. de Chile
 Blanco Encalada 2002 / Casilla 2777 / Santiago / Chile
 Tel. : +56 2 678 42 96 / Fax: +56 2 696 86 86

⁽²⁾ [Lab. Géosciences Marines](#) / Institut de Physique du Globe / CNRS
 4, Place Jussieu/ 75252 Paris Cedex 05 / France
 Tel.:+33 1 44 27 68 94 / Fax: +33 1 44 27 99 69

This report presents a compilation of reliable dating of seamounts and islands of the Pacific plate (1300 samples). Paleomagnetic ages obtained from seamount magnetism have not been considered. We also do not consider foraminifers ages which only give minimum ages of seamounts. Only radiometric ages are thus considered, and Ar/Ar ages are preferred over K/Ar, when both exist at the same place. The following table presents the results of this compilation with the references of the selected data. An average age (as used in [1] and [2]) is proposed when several ages have been determined for the same volcanic stage, in this case the geographical coordinates are given only once on the line of the average age. When several volcanic stages exist for a same seamount or island, their ages are also presented with the same rule as above.

NB: an ASCII file (ages_pacific_v2.1.dat) with only average ages and geographical coordinates is also available for plotting purposes.

Long. E (deg.)	Latitude (deg.)	Age (Ma)	Error (Ma)	Average age (Ma)	Average error (Ma)	Name (island, seamount, plateau or sample)	Island or seamount chain	Method	Ref.
209.26	-23.43	0.23	0.004	0.23	0.004	Arago smt.	Austral	K/Ar	[3]
209.26	-23.43	8.24	0.65	8.24	0.65	Arago smt.	Austral	K/Ar	[3]
218.78	-28.12	31.30	no val	30.05	no val	Aureka	Austral	Ar/Ar - TF	[4]
		28.80	no val			Aureka	Austral	Ar/Ar - TF	[4]
		31.30	0.74	31.30	0.74	Aureka	Austral	Ar/Ar - IH	[4]
220.58	-27.68	26.10	no val	25.15	no val	Evelyn	Austral	Ar/Ar - TF	[4]
		24.20	no val			Evelyn	Austral	Ar/Ar - TF	[4]
		25.95	1.15	25.95	1.15	Evelyn	Austral	Ar/Ar - IH	[4]
220.00	-27.48	23.40	no val	23.40	no val	Herema	Austral	Ar/Ar - TF	[4]
		22.47	1.48	22.47	1.48	Herema	Austral	Ar/Ar - IH	[4]
208.96	-22.56	54.8	0.8	54.8	0.8	Lotus bank	Austral	K/Ar	[3]
219.80	-29.00	0.00		0.00		Macdonald	Austral	observation	[5]
		0.14	0.04	0.62	0.17	Macdonald	Austral	K/Ar	[6]
		0.17	0.05			Macdonald	Austral	K/Ar	[6]
		0.24	0.07			Macdonald	Austral	K/Ar	[6]
		0.33	0.10			Macdonald	Austral	K/Ar	[6]

		0.97	0.29			Macdonald	Austral	K/Ar	[6]
		0.85	0.25			Macdonald	Austral	K/Ar	[6]
		1.64	0.25			Macdonald	Austral	K/Ar	[6]
219.78	-28.53	27.70	no val	27.70	no val	Make	Austral	Ar/Ar - TF	[4]
		25.58	1.01	25.58	1.01	Make	Austral	Ar/Ar - IH	[4]
216.50	-27.90	39.60	no val	39.60	no val	Marotiri	Austral	Ar/Ar - TF	[4]
		3.75	no val	3.75	no val	Marotiri	Austral	Ar/Ar - TF	[4]
		31.95	0.82	31.95	0.82	Marotiri	Austral	Ar/Ar - IH	[4]
		3.78	0.18	3.78	0.18	Marotiri	Austral	Ar/Ar - IH	[4]
		3.18	0.48	3.24	0.27	Marotiri	Austral	K/Ar	[6]
		3.25	0.16			Marotiri	Austral	K/Ar	[6]
		3.29	0.16			Marotiri	Austral	K/Ar	[6]
		5.44	0.27	5.29	0.33	Marotiri	Austral	K/Ar	[6]
		5.14	0.39			Marotiri	Austral	K/Ar	[6]
213.83	-27.02	39.5	0.6	39.5	0.6	Neilson bank	Austral	K/Ar	[3]
216.85	-27.03	31.70	no val	31.70	no val	Opu	Austral	Ar/Ar - TF	[4]
		39.10	no val	39.10	no val	Opu	Austral	Ar/Ar - TF	[4]
		33.94	0.62	33.94	0.62	Opu	Austral	Ar/Ar - IH	[4]
218.88	-28.76	27.50	no val	27.50	no val	Ra	Austral	Ar/Ar - TF	[4]
		29.21	0.61	29.21	0.61	Ra	Austral	Ar/Ar - IH	[4]
212.30	-23.90	5.52	0.09	6.54	0.11	Raivavae	Austral	K/Ar	[7]
		6.78	0.13			Raivavae	Austral	K/Ar	[7]
		5.91	0.09			Raivavae	Austral	K/Ar	[7]
		7.26	0.13			Raivavae	Austral	K/Ar	[7]
		7.57	0.12			Raivavae	Austral	K/Ar	[7]
		6.21	0.10			Raivavae	Austral	K/Ar	[7]
		6.31	0.32	6.69	0.33	Raivavae	Austral	K/Ar	[6]
		6.38	0.32			Raivavae	Austral	K/Ar	[6]
		6.45	0.32			Raivavae	Austral	K/Ar	[6]
		6.44	0.32			Raivavae	Austral	K/Ar	[6]
		7.21	0.36			Raivavae	Austral	K/Ar	[6]
		7.32	0.37			Raivavae	Austral	K/Ar	[6]
212.18	-24.18	32.7		32.7	0.5	Raivavae	Austral	K/Ar	
		0.5				(SW flank)			[3]
215.70	-27.60	5.00	0.20	5.10	0.76	Rapa	Austral	K/Ar	[8]
		5.10	0.40			Rapa	Austral	K/Ar	[8]
		5.20	1.70			Rapa	Austral	K/Ar	[8]
		4.37	0.22	4.58	0.23	Rapa	Austral	K/Ar	[6]
		4.41	0.22			Rapa	Austral	K/Ar	[6]
		5.02	0.25			Rapa	Austral	K/Ar	[6]

		4.48	0.22			Rapa	Austral	K/Ar	[6]
		4.39	0.22			Rapa	Austral	K/Ar	[6]
		4.77	0.24			Rapa	Austral	K/Ar	[6]
		4.13	0.21			Rapa	Austral	K/Ar	[6]
		4.31	0.22			Rapa	Austral	K/Ar	[6]
		4.38	0.22			Rapa	Austral	K/Ar	[6]
		4.48	0.22			Rapa	Austral	K/Ar	[6]
		4.72	0.24			Rapa	Austral	K/Ar	[6]
		4.76	0.24			Rapa	Austral	K/Ar	[6]
		4.95	0.25			Rapa	Austral	K/Ar	[6]
		4.99	0.25			Rapa	Austral	K/Ar	[6]
207.25	-22.60	4.78	0.52	non		Rimatara	Austral	K/Ar	[9]
				reliable					
		14.40	4.10	non		Rimatara	Austral	K/Ar	[9]
				reliable					
		21.20	0.60	non		Rimatara	Austral	K/Ar	[9]
				reliable					
		28.60	1.30	non		Rimatara	Austral	K/Ar	[9]
				reliable					
208.70	-22.45	12.04	0.20	12.00	0.21	Rurutu	Austral	K/Ar	[7]
		12.21	0.21			Rurutu	Austral	K/Ar	[7]
		11.74	0.22			Rurutu	Austral	K/Ar	[7]
		8.43	0.14	8.43	0.14	Rurutu	Austral	K/Ar	[7]
		1.07	0.02	1.07	0.03	Rurutu	Austral	K/Ar	[7]
		1.05	0.02			Rurutu	Austral	K/Ar	[7]
		1.85	0.08			Rurutu	Austral	K/Ar	[7]
		0.60	0.03	0.81	0.04	Rurutu	Austral	K/Ar	[9]
		0.88	0.05			Rurutu	Austral	K/Ar	[9]
		0.96	0.03			Rurutu	Austral	K/Ar	[9]
		1.10	0.40	0.65	1.09	Rurutu	Austral	K/Ar	[10]
		0.20	0.60			Rurutu	Austral	K/Ar	[10]
		7.50	5.80	9.90	4.17	Rurutu	Austral	K/Ar	[10]
		11.00	4.20	11.10	2.71	Rurutu	Austral	K/Ar	[10]
		11.20	1.20			Rurutu	Austral	K/Ar	[10]
		1.79	0.13	1.67	0.13	Rurutu	Austral	K/Ar	[6]
		1.57	0.24			Rurutu	Austral	K/Ar	[6]
		1.74	0.09			Rurutu	Austral	K/Ar	[6]
		1.60	0.08			Rurutu	Austral	K/Ar	[6]
		1.68	0.13			Rurutu	Austral	K/Ar	[6]
		1.61	0.12			Rurutu	Austral	K/Ar	[6]

		12.21	0.61	12.07	0.61	Rurutu	Austral	K/Ar	[6]
		12.37	0.62			Rurutu	Austral	K/Ar	[6]
		12.98	0.65			Rurutu	Austral	K/Ar	[6]
		10.73	0.54			Rurutu	Austral	K/Ar	[6]
210.50	-23.40	8.74	0.14	9.27	0.17	Tubuai	Austral	K/Ar	[7]
		8.43	0.15			Tubuai	Austral	K/Ar	[7]
		8.59	0.16			Tubuai	Austral	K/Ar	[7]
		10.60	0.21			Tubuai	Austral	K/Ar	[7]
		10.20	0.25			Tubuai	Austral	K/Ar	[7]
		8.63	0.16			Tubuai	Austral	K/Ar	[7]
		9.49	0.17			Tubuai	Austral	K/Ar	[7]
		9.48	0.16			Tubuai	Austral	K/Ar	[7]
		7.23	0.36	7.69	0.38	Tubuai	Austral	K/Ar	[6]
		7.84	0.39			Tubuai	Austral	K/Ar	[6]
		8.01	0.40			Tubuai	Austral	K/Ar	[6]
		9.53	0.48	9.88	0.49	Tubuai	Austral	K/Ar	[6]
		9.47	0.47			Tubuai	Austral	K/Ar	[6]
		9.48	0.47			Tubuai	Austral	K/Ar	[6]
		10.39	0.52			Tubuai	Austral	K/Ar	[6]
		10.53	0.53			Tubuai	Austral	K/Ar	[6]
209.76	-20.72	58.1	0.8	58.1	0.8	ZEP2-1	Austral	K/Ar	[3]
206.89	-22.48	2.6	0.05	2.6	0.05	ZEP2-12	Austral	K/Ar	[3]
211.07	-26.40	8.78	0.13	8.78	0.13	ZEP2-19	Austral	K/Ar	[3]
213.70	-25.83	28	0.4	28	0.4	ZEP2-26	Austral	K/Ar	[3]
208.47	-22.34	12.2	0.2	12.2	0.2	ZEP2-7	Austral	K/Ar	[3]
163.00	5.30	2.60	0.30	1.80	0.18	Kusaie (East)	Caroline	K/Ar	[11]
		2.30	0.20			Kusaie (East)	Caroline	K/Ar	[11]
		1.20	0.10			Kusaie (East)	Caroline	K/Ar	[11]
		1.60	0.20			Kusaie (East)	Caroline	K/Ar	[11]
		1.30	0.10			Kusaie (North)	Caroline	K/Ar	[11]
		4.80	0.20			Ponape (Nan Model)	Caroline	K/Ar	[11]
		5.00	0.10			Ponape (Nan Model)	Caroline	K/Ar	[11]
		6.00	0.30			Ponape (Nan Model)	Caroline	K/Ar	[11]
		4.20	0.20			Ponape (East)	Caroline	K/Ar	[11]
		6.50	1.00			Ponape (East)	Caroline	K/Ar	[11]
158.20	7.00	3.00	0.30	4.25	0.22	Ponape (North)	Caroline	K/Ar	[11]
		6.20	0.80			Ponape (North)	Caroline	K/Ar	[11]
		7.60	0.40			Ponape (North)	Caroline	K/Ar	[11]
		6.50	0.30			Ponape (North)	Caroline	K/Ar	[11]
		8.20	0.40	7.09	0.56	Ponape (West)	Caroline	K/Ar	[11]

		8.60	0.60			Ponape (West)	Caroline	K/Ar	[11]
151.70	7.40	12.70	0.80	10.61	0.70	Truk (Dublon)	Caroline	K/Ar	[11]
		10.40	0.50			Truk (Dublon)	Caroline	K/Ar	[11]
		10.00	0.90			Truk (Dublon)	Caroline	K/Ar	[11]
		10.70	0.90			Truk (Dublon)	Caroline	K/Ar	[11]
		14.40	0.40			Truk (Dublon)	Caroline	K/Ar	[11]
		14.80	0.40			Truk (Fefan)	Caroline	K/Ar	[11]
		11.70	0.80			Truk (Fefan)	Caroline	K/Ar	[11]
		11.30	1.10			Truk (Fefan)	Caroline	K/Ar	[11]
		9.30	0.60			Truk (Tol)	Caroline	K/Ar	[11]
		7.20	1.20			Truk (Tol)	Caroline	K/Ar	[11]
		8.60	0.80			Truk (Tol)	Caroline	K/Ar	[11]
		10.60	0.80			Truk (Tol)	Caroline	K/Ar	[11]
		10.30	0.30			Truk (Tol)	Caroline	K/Ar	[11]
		4.80	0.30	4.63	0.26	Truk (Tol)	Caroline	K/Ar	[11]
		5.40	0.20			Truk (Ulalu)	Caroline	K/Ar	[11]
		4.00	0.30			Truk (Ulalu)	Caroline	K/Ar	[11]
		4.30	0.20			Truk (Ulalu)	Caroline	K/Ar	[11]
		8.40	0.40			Truk (Uman)	Caroline	K/Ar	[11]
		10.50	0.90			Truk (Uman)	Caroline	K/Ar	[11]
		9.90	0.70			Truk (Uman)	Caroline	K/Ar	[11]
		9.80	0.50			Truk (Uman)	Caroline	K/Ar	[11]
		10.50	0.50			Truk (Uman)	Caroline	K/Ar	[11]
		9.70	0.40			Truk (Uman)	Caroline	K/Ar	[11]
		11.30	0.40			Truk (Uman)	Caroline	K/Ar	[11]
229.17	46.75	3.27	0.30	3.27	0.30	Cobb	Cobb	Ar/Ar	[12]
226.90	48.30	9.00	0.41	8.14	0.41	Eikelberg	Cobb	Ar/Ar	[12]
		8.98	0.75			Eikelberg	Cobb	Ar/Ar	[12]
		7.52	0.40			Eikelberg	Cobb	Ar/Ar	[12]
		7.05	0.15			Eikelberg	Cobb	Ar/Ar	[12]
228.97	48.96	0.12	0.50	0.24	0.56	Explorer	Cobb	Ar/Ar	[12]
		0.17	0.70			Explorer	Cobb	Ar/Ar - TF	[12]
		0.31	0.30			Explorer	Cobb	Ar/Ar	[12]
		0.35	0.04			Explorer	Cobb	Ar/Ar - TF	[12]
228.55	47.14	1.55	1.40	1.55	1.40	Gluttony	Cobb	Ar/Ar	[12]
217.40	50.30	23.20	2.60	21.03	2.13	Horton	Cobb	K/Ar	[13]
		19.40	2.50			Horton	Cobb	K/Ar	[13]
		20.50	1.30			Horton	Cobb	K/Ar	[13]
228.50	47.50	4.40	1.00	4.40	1.00	Lust	Cobb	Ar/Ar	[12]
211.50	53.90	25.60	0.30	25.53	1.04	Murray	Cobb	Ar/Ar - TF	[14]

		22.50	2.00			Murray	Cobb	Ar/Ar - TF	[14]
		24.80	1.60			Murray	Cobb	Ar/Ar - TF	[14]
		25.10	1.20			Murray	Cobb	Ar/Ar - TF	[14]
		25.60	1.50			Murray	Cobb	Ar/Ar - TF	[14]
		27.60	0.20			Murray	Cobb	Ar/Ar - IH	[14]
		27.50	0.20			Murray	Cobb	Ar/Ar - IH	[14]
216.70	50.90	23.50	0.20	23.24	0.30	Pathfinder	Cobb	Ar/Ar - TF	[14]
		23.80	0.20			Pathfinder	Cobb	Ar/Ar - TF	[14]
		22.90	0.70			Pathfinder	Cobb	Ar/Ar - TF	[14]
		22.90	0.20			Pathfinder	Cobb	Ar/Ar - IH	[14]
		23.20	0.30			Pathfinder	Cobb	Ar/Ar - IH	[14]
		23.30	0.40			Pathfinder	Cobb	Ar/Ar - IH	[14]
		23.10	0.20			Pathfinder	Cobb	Ar/Ar - IH	[14]
		23.10	0.20			Pathfinder	Cobb	Ar/Ar - IH	[14]
		23.30	0.30			Pathfinder	Cobb	Ar/Ar - IH	[14]
		23.30	0.30			Pathfinder	Cobb	Ar/Ar - IH	[14]
209.70	54.60	27.20	2.90	29.26	1.00	Patton	Cobb	Ar/Ar - TF	[14]
		26.10	0.80			Patton	Cobb	Ar/Ar - TF	[14]
		32.00	2.70			Patton	Cobb	Ar/Ar - TF	[14]
		30.20	0.50			Patton	Cobb	Ar/Ar - TF	[14]
		28.90	0.50			Patton	Cobb	Ar/Ar - IH	[14]
		29.00	0.50			Patton	Cobb	Ar/Ar - IH	[14]
		30.00	0.30			Patton	Cobb	Ar/Ar - IH	[14]
		30.00	0.40			Patton	Cobb	Ar/Ar - IH	[14]
		29.90	0.30			Patton	Cobb	Ar/Ar - IH	[14]
231.37	46.03	3.19	1.30	3.19	1.30	Thompson	Cobb	Ar/Ar	[12]
227.27	49.55	5.78	0.65	5.78	0.65	Union	Cobb	Ar/Ar	[12]
226.78	48.28	7.73	0.30	7.73	0.30	unnamed	Cobb	Ar/Ar	[12]
227.55	48.03	6.91	0.30	6.91	0.30	Warwick	Cobb	Ar/Ar	[12]
200.25	-18.90	0.84	0.12	1.18	0.10	Aitutaki	Cook	K/Ar	[9]
		1.21	0.15			Aitutaki	Cook	K/Ar	[9]
		1.47	0.04			Aitutaki	Cook	K/Ar	[9]
		1.93	0.07			Aitutaki	Cook	K/Ar	[9]
		0.74	0.02			Aitutaki	Cook	K/Ar	[9]
		0.91	0.20			Aitutaki	Cook	K/Ar	[9]
		0.94	0.03			Aitutaki	Cook	K/Ar	[9]
		1.07	0.05			Aitutaki	Cook	K/Ar	[9]
		1.48	0.20			Aitutaki	Cook	K/Ar	[9]
		8.43	0.30	8.24	0.48	Aitutaki	Cook	K/Ar	[9]
		8.05	0.66			Aitutaki	Cook	K/Ar	[9]

201.90	-20.00	7z.39	0.28	8.06	0.30	Atiu	Cook	K/Ar	[9]
		8.01	0.24			Atiu	Cook	K/Ar	[9]
		8.17	0.41			Atiu	Cook	K/Ar	[9]
		7.94	0.40			Atiu	Cook	K/Ar	[9]
		8.58	0.26			Atiu	Cook	K/Ar	[9]
		8.25	0.50			Atiu	Cook	K/Ar	[9]
		10.34	0.62	10.34	0.62	Atiu	Cook	K/Ar	[9]
202.10	-21.90	18.40	0.70	18.88	0.65	Mangaia	Cook	K/Ar	[9]
		18.50	0.70			Mangaia	Cook	K/Ar	[9]
		19.00	0.60			Mangaia	Cook	K/Ar	[9]
		19.60	0.60			Mangaia	Cook	K/Ar	[9]
		21.90	0.80	21.90	0.80	Mangaia	Cook	K/Ar	[9]
202.65	-20.12	4.64	0.14	5.48	0.17	Mauke	Cook	K/Ar	[9]
		4.79	0.16			Mauke	Cook	K/Ar	[9]
		4.84	0.16			Mauke	Cook	K/Ar	[9]
		6.30	0.20			Mauke	Cook	K/Ar	[9]
		5.13	0.17			Mauke	Cook	K/Ar	[9]
		5.63	0.18			Mauke	Cook	K/Ar	[9]
		5.23	0.17			Mauke	Cook	K/Ar	[9]
		6.06	0.18			Mauke	Cook	K/Ar	[9]
		5.83	0.17			Mauke	Cook	K/Ar	[9]
		5.88	0.17			Mauke	Cook	K/Ar	[9]
		5.97	0.17			Mauke	Cook	K/Ar	[9]
202.30	-19.90	12.30	0.40	12.30	0.40	Mitiaro	Cook	K/Ar	[9]
200.20	-21.20	1.10	0.04	1.55	0.06	Rarotonga	Cook	K/Ar	[9]
		1.24	0.04			Rarotonga	Cook	K/Ar	[9]
		1.26	0.04			Rarotonga	Cook	K/Ar	[9]
		1.26	0.04			Rarotonga	Cook	K/Ar	[9]
		1.16	0.04			Rarotonga	Cook	K/Ar	[9]
		1.29	0.04			Rarotonga	Cook	K/Ar	[9]
		1.36	0.05			Rarotonga	Cook	K/Ar	[9]
		1.97	0.12			Rarotonga	Cook	K/Ar	[9]
		2.31	0.14			Rarotonga	Cook	K/Ar	[9]
		1.94	0.06			Rarotonga	Cook	K/Ar	[9]
		2.14	0.06			Rarotonga	Cook	K/Ar	[9]
		3.64	0.15	3.64	0.15	Rarotonga	Cook	K/Ar	[9]
238.00	-25.00	7.60	0.20	8.00	0.15	Crought	Easter Chain	Ar/Ar - IH	[15]
		8.40	0.10			Crought	Easter Chain	Ar/Ar - IH	[15]
250.70	-27.00	10.00	no val	9.00	no val	Easter	Easter Chain	K/Ar	[16]
		8.00	no val			Easter	Easter Chain	K/Ar	[16]

		0.20	no val	0.30	no val	Easter	Easter Chain	K/Ar	[16]
		0.30	no val			Easter	Easter Chain	K/Ar	[16]
		0.40	no val			Easter	Easter Chain	K/Ar	[16]
		0.13	0.02	0.13	0.02	Easter	Easter Chain	Ar/Ar - IH	[15]
275.39	-25.93	30.00	no val	30.00	no val	GS7202-100	Easter Chain	K/Ar	[16]
262.90	-26.03	2.70	no val	2.70	no val	GS7202-67	Easter Chain	K/Ar	[16]
262.44	-25.09	8.00	no val	7.85	no val	GS7202-70	Easter Chain	K/Ar	[16]
		7.70	no val			GS7202-70	Easter Chain	K/Ar	[16]
250.34	-27.10	0.23	0.07	0.23	0.07	Moai	Easter Chain	Ar/Ar - IH	[15]
249.70	-26.40	0.63	0.18	0.63	0.18	Pukoa	Easter Chain	Ar/Ar - IH	[15]
254.70	-26.30	1.70	no val	1.70	no val	Sala-y-Gomez	Easter Chain	K/Ar	[16]
		1.70	no val			Sala-y-Gomez	Easter Chain	K/Ar	[16]
277.60	-25.65	22.00	0.50	22.00	0.50	SO80-12DS	Easter Chain	Ar/Ar - IH	[15]
277.00	-23.30	25.80	0.60	25.80	0.60	SO80-14DS	Easter Chain	Ar/Ar - IH	[15]
271.70	-24.90	14.90	0.20	14.90	0.20	SO80-17DS	Easter Chain	Ar/Ar - IH	[15]
266.80	-25.70	11.50	0.20	11.50	0.20	SO80-18DS	Easter Chain	Ar/Ar - IH	[15]
249.00	-26.90	2.40	0.54	2.40	0.54	Umu	Easter Chain	Ar/Ar - IH	[15]
232.5	-32.51	18.20	0.20	18.20	0.20	FHDR1-3	Foundation	Ar/Ar	[17]
229.24	-32.94	21.20	0.10	21.20	0.10	SO100-11DS	Foundation	Ar/Ar	[17]
233.93	-32.47	16.10	0.13	16.10	0.13	SO100-17DS	Foundation	Ar/Ar	[17]
234	-32.48	16.30	0.20	16.30	0.20	SO100-18DS	Foundation	Ar/Ar	[17]
236.12	-33.35	13.10	0.10	13.10	0.10	SO100-25DS	Foundation	Ar/Ar	
235.89	-33.53	12.90	0.30	12.90	0.30	SO100-26DS	Foundation	Ar/Ar	[17]
235.09	-33.69	8.80	0.10	8.80	0.10	SO100-28GTV	Foundation	Ar/Ar	[17]
237.63	-34.12	12.50	0.10	12.50	0.10	SO100-33DS	Foundation	Ar/Ar	[17]
238.02	-34.32	11.60	0.10	11.60	0.10	SO100-38DS	Foundation	Ar/Ar	[17]
238.45	-34.87	11.60	0.10	11.60	0.10	SO100-41DS	Foundation	Ar/Ar	[17]
239.28	-35.05	13.40	0.10	13.40	0.10	SO100-45DS	Foundation	Ar/Ar	[17]
239.59	-34.96	10.40	0.10	10.40	0.10	SO100-46DS	Foundation	Ar/Ar	[17]
240.89	-35.56	9.40	0.10	9.40	0.10	SO100-50DS	Foundation	Ar/Ar	[17]
241.45	-35.12	8.40	0.10	8.40	0.10	SO100-54DS	Foundation	Ar/Ar	[17]
241.91	-35.38	7.70	0.03	7.70	0.03	SO100-56DS	Foundation	Ar/Ar	[17]
243.35	-35.45	7.20	0.10	7.20	0.10	SO100-59DS	Foundation	Ar/Ar	[17]
242.8	-35.45	7.60	0.50	7.60	0.50	SO100-60DS	Foundation	Ar/Ar	[17]
242.56	-35.8	7.70	0.10	7.70	0.10	SO100-63DS	Foundation	Ar/Ar	[17]
244.34	-35.79	4.70	0.10	4.70	0.10	SO100-66DS	Foundation	Ar/Ar	[17]
244.01	-36.03	6.20	0.10	6.20	0.10	SO100-67DS	Foundation	Ar/Ar	[17]
244.72	-36.56	5.10	0.40	5.10	0.40	SO100-69DS	Foundation	Ar/Ar	[17]
246.07	-36.35	3.70	0.10	3.70	0.10	SO100-70DS	Foundation	Ar/Ar	[17]
246.53	-36.68	2.10	0.10	2.10	0.10	SO100-71DS	Foundation	Ar/Ar	[17]

202.00	18.80	84.60	3.80	84.60	3.80	Cross	Geologist	Ar/Ar - TF	[18]
201.60	23.30	80.50	1.60	80.50	1.60	Kaluakalana	Geologist	Ar/Ar - TF	[18]
202.80	18.80	82.70	0.50	82.70	0.50	McCall	Geologist	Ar/Ar - TF	[18]
197.70	19.30	0.70	0.05	0.70	0.05	SEAMOUNT_14	Geologist	K/Ar	[19]
201.75	18.75	78.80	1.70	80.98	1.78	SEAMOUNT_7	Geologist	K/Ar	[19]
		85.50	2.00			SEAMOUNT_7	Geologist	K/Ar	[19]
		78.90	1.80			SEAMOUNT_7	Geologist	K/Ar	[19]
		81.20	1.70			SEAMOUNT_7	Geologist	K/Ar	[19]
		80.50	1.70			SEAMOUNT_7	Geologist	K/Ar	[19]
198.30	18.30	89.10	2.10	87.30	1.95	SEAMOUNT_9	Geologist	K/Ar	[19]
		85.50	1.80			SEAMOUNT_9	Geologist	K/Ar	[19]
174.30	31.80	38.70	0.90	38.70	0.90	Abbott	Hawaii-Emperor	K/Ar	[20]
175.90	30.90	38.60	0.30	38.60	0.30	Colahan	Hawaii-Emperor	K/Ar	[20]
172.30	32.10	42.40	2.30	42.40	2.30	Daikakuji	Hawaii-Emperor	K/Ar	[21]
203.80	20.60	0.75	0.04	0.75	0.04	Haleakala	Hawaii-Emperor	K/Ar	[22]
171.20	38.40	55.40	0.90	55.40	0.90	Jingu	Hawaii-Emperor	K/Ar	[23]
203.40	20.50	1.02	0.18	1.02	0.18	Kahoolawe	Hawaii-Emperor	K/Ar	[22]
200.50	22.00	5.10	0.20	5.10	0.20	Kauai	Hawaii-Emperor	K/Ar	[24]
204.75	19.40	0.00		0.00		Kilauea	Hawaii-Emperor	observation	
171.60	33.70	39.90	1.20	39.90	1.20	Kimmei	Hawaii-Emperor	K/Ar	[21]
204.25	20.10	0.43	0.02	0.43	0.02	Kohala	Hawaii-Emperor	K/Ar	[25]
171.67	35.10	48.10	0.80	48.10	0.80	Koko	Hawaii-Emperor	K/Ar	[21]
193.70	23.60	12.00	0.40	12.00	0.40	La Pérouse Pinnacle	Hawaii-Emperor	K/Ar	[26]
203.00	20.80	1.28	0.04	1.28	0.04	Lanai	Hawaii-Emperor	K/Ar	[27]
188.00	25.70	19.90	0.30	19.90	0.30	Laysan	Hawaii-Emperor	K/Ar	[28]
204.74	18.93	0.00		0.00		Loihi	Hawaii-Emperor	observation	
204.50	19.75	0.38	0.05	0.38	0.05	Mauna Kea	Hawaii-Emperor	K/Ar	[29]
182.70	28.30	27.70	0.60	27.70	0.60	Midway	Hawaii-Emperor	K/Ar	[30]
203.30	21.20	1.76	0.07	1.83	0.07	Molokai	Hawaii-Emperor	K/Ar	[22]
		1.90	0.06			Molokai	Hawaii-Emperor	K/Ar	[22]
195.50	23.50	10.30	0.40	10.30	0.40	Necker	Hawaii-Emperor	K/Ar	[26]
198.00	23.00	7.20	0.30	7.20	0.30	Nihoa	Hawaii-Emperor	K/Ar	[26]
170.20	41.20	56.20	0.60	56.20	0.60	Nintoku	Hawaii-Emperor	K/Ar	[23]
188.00	25.30	26.60	2.70	26.60	2.70	Northampton Bank	Hawaii-Emperor	K/Ar	[28]
202.20	21.40	2.60	0.10	2.60	0.10	Oahu	Hawaii-Emperor	K/Ar	[31]
170.30	37.50	55.20	0.70	55.20	0.70	Ojin	Hawaii-Emperor	K/Ar	[23]
184.10	27.90	20.60	0.50	20.60	0.50	Pearl and Hermes reef	Hawaii-Emperor	K/Ar	[32]
170.00	44.00	64.70	1.10	64.70	1.10	Suiko	Hawaii-Emperor	K/Ar	[23]
204.00	20.80	1.32	0.04	1.32	0.04	West Maui	Hawaii-Emperor	K/Ar	[31]
172.00	32.70	43.40	1.60	43.40	1.60	Yuryaku	Hawaii-Emperor	K/Ar	[32]

143.50	36.00	80.00	no val	80.00	no val	Daini-Kashima	Japanese Seamounts	K/Ar	[33]
144.50	40.80	80.10	no val	72.20	no val	Erimo	Japanese Seamounts	K/Ar	[34]
		78.70	no val			Erimo	Japanese Seamounts	K/Ar	[34]
		74.30	no val			Erimo	Japanese Seamounts	K/Ar	[34]
		75.10	no val			Erimo	Japanese Seamounts	K/Ar	[34]
		52.80	no val			Erimo	Japanese Seamounts	K/Ar	[34]
		80.00	no val	80.00	no val	Erimo	Japanese Seamounts	K/Ar	[33]
151.20	31.60	103.70	1.80	103.70	1.80	Isakov	Japanese Seamounts	Ar/Ar- IH (P)	[35]
		103.40	2.80	103.40	2.80	Isakov	Japanese Seamounts	Ar/Ar - IH (I)	[35]
153.50	29.50	94.00	1.00	94.00	1.00	Makarov	Japanese Seamounts	Ar/Ar	[33]
		93.90	no val	93.90	no val	Makarov	Japanese Seamounts	Ar/Ar	[36]
151.90	27.30	120.30	0.80	120.30	0.80	MIT	Japanese Seamounts	Ar/Ar- IH (P)	[35]
		118.00	8.50	118.00	8.50	MIT	Japanese Seamounts	Ar/Ar - IH (I)	[35]
		121.80	0.50	121.80	0.50	MIT (ODP878)	Japanese Seamounts	Ar/Ar - IH	[37]
146.00	38.00	72.10	no val	71.60	no val	Ryofu	Japanese Seamounts	K/Ar	[34]
		71.10	no val			Ryofu	Japanese Seamounts	K/Ar	[34]
		72.00	1.00	72.00	1.00	Ryofu	Japanese Seamounts	K/Ar	[33]
152.30	24.20	78.00	2.00	78.00	2.00	Seamount D1	Japanese Seamounts	Ar/Ar	[33]
143.90	34.30	102.00	no val	102.00	no val	Takuyo-Daisan (Seiko)	Japanese Seamounts	Ar/Ar	[33]
		82.10	no val	82.10	no val	Takuyo-Daisan (Seiko)	Japanese Seamounts	Ar/Ar	[36]
147.90	32.90	108.30	1.00	108.30	1.00	Winterer	Japanese Seamounts	Ar/Ar- IH (P)	[35]
		108.50	1.80	108.50	1.80	Winterer	Japanese Seamounts	Ar/Ar - IH (I)	[35]
148.20	28.40	63.50	no val	72.23	no val	WPDR-5	Japanese Seamounts	K/Ar	[34]
		74.00	no val			WPDR-5	Japanese Seamounts	K/Ar	[34]
		79.20	no val			WPDR-5	Japanese Seamounts	K/Ar	[34]
148.70	27.10	87.30	no val	91.40	no val	WPDR-7 (Z43)	Japanese Seamounts	K/Ar	[34]
		95.50	no val			WPDR-7 (Z43)	Japanese Seamounts	K/Ar	[34]
224.40	53.30	0.08	0.10	0.08	0.10	Bowie	Kodiak-Bowie	K/Ar	[38]
223.50	53.70	17.40	1.70	17.40	1.70	Davidson	Kodiak-Bowie	K/Ar	[13]
222.60	54.00	19.70	3.00	18.25	2.91	Denson	Kodiak-Bowie	K/Ar	[13]
		16.80	2.80			Denson	Kodiak-Bowie	K/Ar	[13]
223.10	54.60	3.79	0.24	4.02	0.60	Dickins	Kodiak-Bowie	K/Ar	[13]
		4.07	0.20			Dickins	Kodiak-Bowie	K/Ar	[13]
		4.20	1.40			Dickins	Kodiak-Bowie	Ar/Ar - TF	[13]
213.40	56.50	21.40	0.60	20.70	1.04	Giacomini	Kodiak-Bowie	K/Ar	[13]
		20.60	0.60			Giacomini	Kodiak-Bowie	K/Ar	[13]
		20.80	0.50			Giacomini	Kodiak-Bowie	K/Ar	[13]
		20.90	0.50			Giacomini	Kodiak-Bowie	K/Ar	[13]
		19.80	1.90			Giacomini	Kodiak-Bowie	Ar/Ar - TF	[13]
224.00	53.50	2.70	0.14	2.77	0.38	Hodgkins	Kodiak-Bowie	K/Ar	[13]

		2.80	0.42			Hodgkins	Kodiak-Bowie	K/Ar	[13]
		2.52	0.38			Hodgkins	Kodiak-Bowie	K/Ar	[13]
		3.06	0.18			Hodgkins	Kodiak-Bowie	K/Ar	[13]
		13.20	2.00	14.45	2.20	Hodgkins	Kodiak-Bowie	K/Ar	[13]
		15.70	2.40			Hodgkins	Kodiak-Bowie	K/Ar	[13]
210.80	56.90	24.80	0.70	24.66	1.57	Kodiak	Kodiak-Bowie	K/Ar	[13]
		23.40	0.60			Kodiak	Kodiak-Bowie	K/Ar	[13]
		23.40	0.60			Kodiak	Kodiak-Bowie	K/Ar	[13]
		21.60	2.20			Kodiak	Kodiak-Bowie	Ar/Ar - TF	[13]
		30.10	2.20			Kodiak	Kodiak-Bowie	Ar/Ar - TF	[13]
215.60	53.50	27.00	1.60	25.73	3.23	Miller	Kodiak-Bowie	Ar/Ar - TF	[14]
		23.20	2.50			Miller	Kodiak-Bowie	Ar/Ar - TF	[14]
		27.80	2.20			Miller	Kodiak-Bowie	Ar/Ar - TF	[14]
		25.20	4.00			Miller	Kodiak-Bowie	Ar/Ar - IH	[14]
		25.90	4.20			Miller	Kodiak-Bowie	Ar/Ar - IH	[14]
		25.90	3.20			Miller	Kodiak-Bowie	Ar/Ar - IH	[14]
		25.40	4.00			Miller	Kodiak-Bowie	Ar/Ar - IH	[14]
		25.40	4.00			Miller	Kodiak-Bowie	Ar/Ar - IH	[14]
		7.60	0.20	8.00	0.26	Miller	Kodiak-Bowie	K/Ar	[14]
		8.70	0.40			Miller	Kodiak-Bowie	K/Ar	[14]
		7.70	0.20			Miller	Kodiak-Bowie	K/Ar	[14]
219.70	55.00	14.90	0.30	13.68	0.85	Welker	Kodiak-Bowie	Ar/Ar - IH	[14]
		14.30	0.20			Welker	Kodiak-Bowie	Ar/Ar - TF	[14]
		14.30	0.80			Welker	Kodiak-Bowie	Ar/Ar - TF	[14]
		12.70	1.80			Welker	Kodiak-Bowie	K/Ar	[14]
		12.20	0.20			Welker	Kodiak-Bowie	K/Ar	[14]
199.75	5.83	76.40	0.50	76.40	0.50	123D-15	Line Islands	Ar/Ar	[39]
		44.30	0.50	44.30	0.50	123D-15	Line Islands	K/Ar	[39]
199.60	9.10	78.70	1.30	78.70	1.30	128D-11	Line Islands	Ar/Ar	[39]
		48.00	0.60	48.00	0.60	128D-11	Line Islands	K/Ar	[39]
195.60	8.30	71.50	3.10	71.50	3.10	130D	Line Islands	Ar/Ar	[40]
191.00	14.45	56.60	0.80	55.57	2.12	137D	Line Islands	Ar/Ar	[40]
		55.80	1.80			137D	Line Islands	Ar/Ar	[40]
		54.30	3.70			137D	Line Islands	Ar/Ar	[40]
191.00	18.00	127.50	5.00	127.50	5.00	142D	Line Islands	Ar/Ar	[40]
		93.40	1.30	93.40	1.30	142D-11	Line Islands	Ar/Ar	[39]
191.00	19.50	88.10	0.40	88.10	0.40	143D-102	Line Islands	Ar/Ar	[39]
		73.70	0.80	73.70	0.80	143D-102	Line Islands	K/Ar	[39]
201.50	4.20	91.20	2.70	91.20	2.70	DSDP-site315	Line Islands	K/Ar	[41]
194.20	12.10	84.40	0.90	84.40	0.90	Kapsitotwa (133D)	Line Islands	Ar/Ar	[40]

		72.80	1.30	72.80	1.30	Kapsitotwa (133D-9)	Line Islands	K/Ar	[39]
193.00	12.50	85.00	1.10	85.00	1.10	Nagata (RD59-12)	Line Islands	Ar/Ar	[39]
202.65	2.10	35.50	0.09	35.50	0.90	RD41-1	Line Islands	Ar/Ar	[39]
		25.30	0.30	25.30	0.30	RD41-1	Line Islands	K/Ar	[39]
204.72	0.70	59.00	0.80	59.00	0.80	RD43-1	Line Islands	Ar/Ar	[39]
		37.80	0.40	37.80	0.40	RD43-1	Line Islands	K/Ar	[39]
		45.20	0.60	45.20	0.60	RD45-1	Line Islands	K/Ar	[39]
209.60	-9.00	70.50	1.10	70.50	1.10	RD45-26D	Line Islands	Ar/Ar	[39]
		59.00	0.70	59.00	0.70	RD45-26D	Line Islands	K/Ar	[39]
193.50	15.00	81.40	1.10	82.00	0.90	RD61-1	Line Islands	Ar/Ar	[39]
		59.80	0.60	59.80	0.60	RD61-1	Line Islands	K/Ar	[39]
		82.60	0.70			RD61-5	Line Islands	Ar/Ar	[39]
191.78	16.50	79.40	0.90	79.40	0.90	RD63-7	Line Islands	Ar/Ar	[39]
		55.00	0.60	55.00	0.60	RD63-7	Line Islands	K/Ar	[39]
198.50	8.10	39.30	1.50	39.30	1.50	Stanley (RD33)	Line Islands	Ar/Ar	[39]
		23.50	0.30	23.50	0.30	Stanley (RD33)	Line Islands	K/Ar	[39]
208.50	-7.50	71.90	1.40	71.90	1.40	Wageman (RD44-3)	Line Islands	Ar/Ar	[39]
		41.40	0.50	41.40	0.50	Wageman (RD44-3)	Line Islands	K/Ar	[39]
211.20	-48.20	12.50	0.40	12.50	0.40	Mthn6	Louisville	Ar/Ar - TF	[42]
220.80	-50.43	0.50	0.20	0.50	0.20	Mthn7	Louisville	Ar/Ar - TF	[42]
185.00	-26.00	>35,7	no val			Osborne	Louisville	Ar/Ar - TF	[34]
186.75	-30.10	61.20	0.90	61.20	0.90	Sotw9-48	Louisville	Ar/Ar - TF	[42]
185.80	-27.28	66.70	1.40	68.35	1.40	Sotw9-52	Louisville	Ar/Ar - TF	[42]
		70.00	1.40			Sotw9-52	Louisville	Ar/Ar - TF	[42]
184.97	-25.53	65.90	0.60	66.25	0.60	Sotw9-58	Louisville	Ar/Ar - TF	[42]
		66.60	0.60			Sotw9-58	Louisville	Ar/Ar - TF	[42]
195.80	-41.61	36.60	0.60	35.50	0.60	Valerie	Louisville	Ar/Ar - TF	[42]
195.80	-41.61	34.40	0.60			Valerie	Louisville	Ar/Ar - TF	[42]
192.30	-38.32	45.50	0.50	45.50	0.50	Vm3	Louisville	Ar/Ar - TF	[42]
190.20	-36.95	44.60	0.50	44.60	0.50	Vm4	Louisville	Ar/Ar - TF	[42]
188.80	-33.94	53.50	2.60	53.50	2.60	Vm5	Louisville	Ar/Ar - TF	[42]
151.70	19.70	98.80	0.70	99.99	0.98	Hemler	Magellan	Ar/Ar - TF	[43]
		100.40	0.70			Hemler	Magellan	Ar/Ar - TF	[43]
		100.10	0.80			Hemler	Magellan	Ar/Ar - TF	[43]
		99.40	0.80			Hemler	Magellan	Ar/Ar - TF	[43]
		99.10	0.90			Hemler	Magellan	Ar/Ar - TF	[43]
		99.40	1.00			Hemler	Magellan	Ar/Ar - TF	[43]
		99.50	1.30			Hemler	Magellan	Ar/Ar - TF	[43]
		100.40	1.50			Hemler	Magellan	Ar/Ar - TF	[43]
		99.60	0.90			Hemler	Magellan	Ar/Ar - TF	[43]

		102.20	1.30			Hemler	Magellan	Ar/Ar - TF	[43]
		101.00	0.90			Hemler	Magellan	Ar/Ar - TF	[43]
151.78	21.50	121.00	0.80	119.67	1.11	Himu	Magellan	Ar/Ar - TF	[43]
		120.20	0.80			Himu	Magellan	Ar/Ar - TF	[43]
		120.50	2.60			Himu	Magellan	Ar/Ar - TF	[43]
		120.20	1.00			Himu	Magellan	Ar/Ar - TF	[43]
		117.30	1.00			Himu	Magellan	Ar/Ar - TF	[43]
		120.50	0.90			Himu	Magellan	Ar/Ar - TF	[43]
		118.40	1.30			Himu	Magellan	Ar/Ar - TF	[43]
		119.30	0.80			Himu	Magellan	Ar/Ar - TF	[43]
		119.60	0.80			Himu	Magellan	Ar/Ar - TF	[43]
155.90	14.15	86.80	1.40	86.50	1.05	Ioah	Magellan	Ar/Ar - TF	[44]
		86.20	0.70			Ioah	Magellan	Ar/Ar - TF	[44]
		88.50	0.70	87.60	0.55	Ioah	Magellan	Ar/Ar - IH	[44]
		86.70	0.40			Ioah	Magellan	Ar/Ar - IH	[44]
156.70	13.00	120.40	1.40	116.90	1.00	Ita Mai	Magellan	Ar/Ar - TF	[44]
		112.30	1.10			Ita Mai	Magellan	Ar/Ar - TF	[44]
		118.50	0.70			Ita Mai	Magellan	Ar/Ar - TF	[44]
		116.40	0.80			Ita Mai	Magellan	Ar/Ar - TF	[44]
		120.00	0.80	118.60	0.80	Ita Mai	Magellan	Ar/Ar - IH	[44]
		117.90	0.90			Ita Mai	Magellan	Ar/Ar - IH	[44]
		118.50	0.80			Ita Mai	Magellan	Ar/Ar - IH	[44]
		118.00	0.70			Ita Mai	Magellan	Ar/Ar - IH	[44]
154.30	16.40	93.80	1.30	94.90	3.77	Oma Vlinder	Magellan	Ar/Ar - TF	[44]
		96.00	6.30			Oma Vlinder	Magellan	Ar/Ar - TF	[44]
		95.60	0.70	94.45	1.46	Oma Vlinder	Magellan	Ar/Ar - IH	[44]
		93.30	2.20			Oma Vlinder	Magellan	Ar/Ar - IH	[44]
155.10	15.70	89.40	1.30	92.00	0.90	Pako	Magellan	Ar/Ar - TF	[44]
		94.30	0.90			Pako	Magellan	Ar/Ar - TF	[44]
		92.30	0.50			Pako	Magellan	Ar/Ar - TF	[44]
		90.90	0.50	91.47	0.53	Pako	Magellan	Ar/Ar - IH	[44]
		92.30	0.70			Pako	Magellan	Ar/Ar - IH	[44]
		91.20	0.40			Pako	Magellan	Ar/Ar - IH	[44]
153.60	19.50	74.00	no val	74.00	no val	Seamount D4	Magellan	Ar/Ar	[33]
154.30	17.12	94.50	0.70	94.13	1.92	Vlinder	Magellan	Ar/Ar - TF	[44]
		92.80	1.60			Vlinder	Magellan	Ar/Ar - TF	[44]
		96.20	0.60			Vlinder	Magellan	Ar/Ar - TF	[44]
		93.00	4.70			Vlinder	Magellan	Ar/Ar - TF	[44]
		95.00	0.70	94.83	1.16	Vlinder	Magellan	Ar/Ar - IH	[44]
		95.40	1.50			Vlinder	Magellan	Ar/Ar - IH	[44]

		96.60	0.70			Vlinder	Magellan	Ar/Ar - IH	[44]
		92.30	1.70			Vlinder	Magellan	Ar/Ar - IH	[44]
154.00	17.00	100.40	0.70	101.50	0.60	Vlinder - NW pedestal	Magellan	Ar/Ar - TF	[44]
		102.40	0.50			Vlinder - NW pedestal	Magellan	Ar/Ar - TF	[44]
		101.70	0.60			Vlinder - NW pedestal	Magellan	Ar/Ar - TF	[44]
		100.20	0.40	101.40	0.50	Vlinder - NW pedestal	Magellan	Ar/Ar - IH	[44]
		102.40	0.50			Vlinder - NW pedestal	Magellan	Ar/Ar - IH	[44]
		101.60	0.60			Vlinder - NW pedestal	Magellan	Ar/Ar - IH	[44]
179.00	9.00	50.10	no val	50.10	no val	Marcus Necker Rise	Marcus Necker Rise	K/Ar	[34]
153.20	21.30	95.00	no val	95.00	no val	Golden Dragon	Marcus-Wake	Ar/Ar	[33]
156.20	20.90	103.40	0.50	103.45	0.55	Jennings	Marcus-Wake	Ar/Ar - IH	[45]
		103.50	0.60			Jennings	Marcus-Wake	Ar/Ar - IH	[45]
		104.70	0.60	103.15	0.55	Jennings	Marcus-Wake	Ar/Ar - TF	[45]
		101.60	0.50			Jennings	Marcus-Wake	Ar/Ar - TF	[45]
		87.00	4.00	87.00	4.00	Lamont	Marcus-Wake	Ar/Ar	[33]
		90.50	no val	90.50	no val	Lamont	Marcus-Wake	Ar/Ar	[36]
159.50	21.50	87.20	0.30	87.20	0.30	Lamont (A5-22)	Marcus-Wake	Ar/Ar- IH (P)	[35]
		86.90	2.20	86.90	2.20	Lamont (A5-22)	Marcus-Wake	Ar/Ar - IH (I)	[35]
		81.50	0.60	81.50	0.60	Lamont (A5-23)	Marcus-Wake	Ar/Ar- IH (P)	[35]
		81.90	1.80	81.90	1.80	Lamont (A5-23)	Marcus-Wake	Ar/Ar - IH (I)	[35]
157.15	21.05	97.70	0.60	99.70	0.93	Maloney	Marcus-Wake	Ar/Ar - IH	[45]
		100.70	0.70			Maloney	Marcus-Wake	Ar/Ar - IH	[45]
		100.70	1.50			Maloney	Marcus-Wake	Ar/Ar - IH	[45]
		96.50	0.60	101.43	1.28	Maloney	Marcus-Wake	Ar/Ar - TF	[45]
		101.90	1.60			Maloney	Marcus-Wake	Ar/Ar - TF	[45]
		105.90	1.70			Maloney	Marcus-Wake	Ar/Ar - TF	[45]
161.90	21.70	96.80	0.60	96.80	0.60	Miami	Marcus-Wake	Ar/Ar- IH (P)	[35]
		97.00	1.60	97.00	0.97	Miami	Marcus-Wake	Ar/Ar - IH (I)	[35]
159.30	23.70	101.60	0.70	101.60	0.70	Scripps	Marcus-Wake	Ar/Ar- IH (P)	[35]
		100.10	2.00	100.10	2.00	Scripps	Marcus-Wake	Ar/Ar - IH (I)	[35]
163.30	21.20	90.60	0.30	90.60	0.30	Wilde	Marcus-Wake	Ar/Ar- IH (P)	[35]
		91.40	1.00	91.40	1.00	Wilde	Marcus-Wake	Ar/Ar - IH (I)	[35]
		86.00	2.00	86.00	2.00	Wilde	Marcus-Wake	Ar/Ar	[33]
		90.60	no val	90.60	no val	Wilde	Marcus-Wake	Ar/Ar	[36]
220.00	-7.90	5.30	0.30	5.30	0.30	Banc Jean Goguel	Marquesas	K/Ar	[6]
221.50	-10.80	0.39	0.04	0.45	0.07	Dh-12	Marquesas	Ar/Ar	[46]
		0.35	0.04			Dh-12	Marquesas	Ar/Ar	[46]
		0.45	0.10			Dh-12	Marquesas	Ar/Ar	[46]
		0.48	0.10			Dh-12	Marquesas	Ar/Ar	[46]
		0.60	0.05			Dh-12	Marquesas	Ar/Ar	[46]

219.33	-8.00	5.30	no val	7.01	no val	Eiao	Marquesas	K/Ar	[47]
		8.72	no val			Eiao	Marquesas	K/Ar	[47]
		4.99	0.26	5.51	0.25	Eiao	Marquesas	K/Ar	[6]
		5.78	0.20			Eiao	Marquesas	K/Ar	[6]
		6.03	0.29			Eiao	Marquesas	K/Ar	[6]
		5.13	0.29			Eiao	Marquesas	K/Ar	[6]
		5.16	0.15			Eiao	Marquesas	K/Ar	[6]
		5.73	0.20			Eiao	Marquesas	K/Ar	[6]
		5.76	0.37			Eiao	Marquesas	K/Ar	[6]
		5.00	0.20	5.40	0.20	Eiao	Marquesas	K/Ar	[6]
		5.20	0.20			Eiao	Marquesas	K/Ar	[6]
		5.30	0.25			Eiao	Marquesas	K/Ar	[6]
		5.70	0.20			Eiao	Marquesas	K/Ar	[6]
		5.80	0.15			Eiao	Marquesas	K/Ar	[6]
221.40	-10.50	1.39	0.05	1.36	0.03	Fatu Hiva	Marquesas	K/Ar	[48]
		1.35	0.02			Fatu Hiva	Marquesas	K/Ar	[48]
		1.30	0.02			Fatu Hiva	Marquesas	K/Ar	[48]
		1.38	0.03			Fatu Hiva	Marquesas	K/Ar	[48]
		1.38	0.07	2.10	0.18	Fatu Hiva	Marquesas	K/Ar	[6]
		3.72	0.56			Fatu Hiva	Marquesas	K/Ar	[6]
		3.06	0.23			Fatu Hiva	Marquesas	K/Ar	[6]
		1.42	0.21			Fatu Hiva	Marquesas	K/Ar	[6]
		1.45	0.11			Fatu Hiva	Marquesas	K/Ar	[6]
		1.46	0.22			Fatu Hiva	Marquesas	K/Ar	[6]
		1.68	0.08			Fatu Hiva	Marquesas	K/Ar	[6]
		2.06	0.15			Fatu Hiva	Marquesas	K/Ar	[6]
		1.92	0.14			Fatu Hiva	Marquesas	K/Ar	[6]
		2.54	0.19			Fatu Hiva	Marquesas	K/Ar	[6]
		2.10	0.16			Fatu Hiva	Marquesas	K/Ar	[6]
		2.46	0.12			Fatu Hiva	Marquesas	K/Ar	[6]
		1.46	0.07	1.72	0.12	Fatu Hiva	Marquesas	K/Ar	[6]
		1.70	0.15			Fatu Hiva	Marquesas	K/Ar	[6]
		2.00	0.15			Fatu Hiva	Marquesas	K/Ar	[6]
221.08	-9.43	2.54	0.09	2.60	0.10	Fatu Huku	Marquesas	K/Ar	[6]
		2.60	0.10			Fatu Huku	Marquesas	K/Ar	[6]
		2.65	0.10			Fatu Huku	Marquesas	K/Ar	[6]
219.41	-7.90	4.70	0.20	4.11	0.17	Hatutaa (Hatutu)	Marquesas	K/Ar	[6]
		4.90	0.20			Hatutaa (Hatutu)	Marquesas	K/Ar	[6]
221.00	-9.75	1.85	0.15	1.91	0.06	Hiva Oa	Marquesas	K/Ar	[48]
		1.89	0.11			Hiva Oa	Marquesas	K/Ar	[48]

1.59	0.03			Hiva Oa	Marquesas	K/Ar	[48]
1.62	0.03			Hiva Oa	Marquesas	K/Ar	[48]
1.58	0.03			Hiva Oa	Marquesas	K/Ar	[48]
2.48	0.06			Hiva Oa	Marquesas	K/Ar	[48]
2.47	0.06			Hiva Oa	Marquesas	K/Ar	[48]
1.99	0.04			Hiva Oa	Marquesas	K/Ar	[48]
1.72	0.04			Hiva Oa	Marquesas	K/Ar	[48]
1.78	0.09	2.79	0.15	Hiva Oa	Marquesas	K/Ar	[6]
1.63	0.08			Hiva Oa	Marquesas	K/Ar	[6]
2.36	0.12			Hiva Oa	Marquesas	K/Ar	[6]
2.07	0.10			Hiva Oa	Marquesas	K/Ar	[6]
2.51	0.13			Hiva Oa	Marquesas	K/Ar	[6]
2.63	0.13			Hiva Oa	Marquesas	K/Ar	[6]
4.14	0.31			Hiva Oa	Marquesas	K/Ar	[6]
4.14	0.31			Hiva Oa	Marquesas	K/Ar	[6]
4.26	0.21			Hiva Oa	Marquesas	K/Ar	[6]
2.46	0.12			Hiva Oa	Marquesas	K/Ar	[6]
2.39	0.12			Hiva Oa	Marquesas	K/Ar	[6]
2.19	0.11			Hiva Oa	Marquesas	K/Ar	[6]
2.72	0.14			Hiva Oa	Marquesas	K/Ar	[6]
2.79	0.14			Hiva Oa	Marquesas	K/Ar	[6]
2.02	0.10			Hiva Oa	Marquesas	K/Ar	[6]
2.20	0.11			Hiva Oa	Marquesas	K/Ar	[6]
2.35	0.18			Hiva Oa	Marquesas	K/Ar	[6]
3.10	0.16			Hiva Oa	Marquesas	K/Ar	[6]
3.87	0.29			Hiva Oa	Marquesas	K/Ar	[6]
2.77	0.14			Hiva Oa	Marquesas	K/Ar	[6]
3.80	0.19			Hiva Oa	Marquesas	K/Ar	[6]
2.82	0.14			Hiva Oa	Marquesas	K/Ar	[6]
2.69	0.13			Hiva Oa	Marquesas	K/Ar	[6]
2.90	0.14			Hiva Oa	Marquesas	K/Ar	[6]
2.87	0.14			Hiva Oa	Marquesas	K/Ar	[6]
2.67	0.13			Hiva Oa	Marquesas	K/Ar	[6]
3.22	0.16			Hiva Oa	Marquesas	K/Ar	[6]
1.93	0.15	1.88	0.10	Hiva Oa	Marquesas	K/Ar	[6]
1.78	0.09			Hiva Oa	Marquesas	K/Ar	[6]
1.81	0.15			Hiva Oa	Marquesas	K/Ar	[6]
2.02	0.10			Hiva Oa	Marquesas	K/Ar	[6]
1.92	0.08			Hiva Oa	Marquesas	K/Ar	[6]
1.72	0.08			Hiva Oa	Marquesas	K/Ar	[6]

		2.00	0.07			Hiva Oa	Marquesas	K/Ar	[6]
		2.02	0.10			Hiva Oa	Marquesas	K/Ar	[6]
		2.00	0.07			Hiva Oa	Marquesas	K/Ar	[6]
221.20	-10.00	2.26	0.11	2.15	0.13	Motane	Marquesas	K/Ar	[6]
		1.76	0.13			Motane	Marquesas	K/Ar	[6]
		2.11	0.16			Motane	Marquesas	K/Ar	[6]
		2.46	0.12			Motane	Marquesas	K/Ar	[6]
		2.15	0.20	2.15	0.20	Motane	Marquesas	K/Ar	[6]
219.90	-8.90	3.89	0.06	3.77	0.07	Nuku Hiva	Marquesas	K/Ar	[48]
		4.21	0.06			Nuku Hiva	Marquesas	K/Ar	[48]
		4.23	0.07			Nuku Hiva	Marquesas	K/Ar	[48]
		3.93	0.14			Nuku Hiva	Marquesas	K/Ar	[48]
		3.70	0.09			Nuku Hiva	Marquesas	K/Ar	[48]
		3.72	0.06			Nuku Hiva	Marquesas	K/Ar	[48]
		2.99	0.05			Nuku Hiva	Marquesas	K/Ar	[48]
		3.05	0.05			Nuku Hiva	Marquesas	K/Ar	[48]
		3.79	0.09			Nuku Hiva	Marquesas	K/Ar	[48]
		4.07	0.06			Nuku Hiva	Marquesas	K/Ar	[48]
		3.76	0.08			Nuku Hiva	Marquesas	K/Ar	[48]
		3.86	0.07			Nuku Hiva	Marquesas	K/Ar	[48]
		3.74	0.24	4.38	0.22	Nuku Hiva	Marquesas	K/Ar	[6]
		3.80	0.30			Nuku Hiva	Marquesas	K/Ar	[6]
		3.94	0.23			Nuku Hiva	Marquesas	K/Ar	[6]
		4.61	0.15			Nuku Hiva	Marquesas	K/Ar	[6]
		4.96	0.15			Nuku Hiva	Marquesas	K/Ar	[6]
		4.62	0.20			Nuku Hiva	Marquesas	K/Ar	[6]
		4.64	0.23			Nuku Hiva	Marquesas	K/Ar	[6]
		4.21	0.25			Nuku Hiva	Marquesas	K/Ar	[6]
		4.52	0.19			Nuku Hiva	Marquesas	K/Ar	[6]
		4.75	0.23			Nuku Hiva	Marquesas	K/Ar	[6]
		3.20	0.30	3.59	0.30	Nuku Hiva	Marquesas	K/Ar	[6]
		3.70	0.15			Nuku Hiva	Marquesas	K/Ar	[6]
		3.60	0.15			Nuku Hiva	Marquesas	K/Ar	[6]
		2.70	0.40			Nuku Hiva	Marquesas	K/Ar	[6]
		2.10	0.60			Nuku Hiva	Marquesas	K/Ar	[6]
		4.10	0.10			Nuku Hiva	Marquesas	K/Ar	[6]
		3.80	0.20			Nuku Hiva	Marquesas	K/Ar	[6]
		3.80	0.10			Nuku Hiva	Marquesas	K/Ar	[6]
		4.80	0.30			Nuku Hiva	Marquesas	K/Ar	[6]
		4.10	0.30			Nuku Hiva	Marquesas	K/Ar	[6]

220.90	-10.00	2.04	0.04	1.91	0.04	Tahuata	Marquesas	K/Ar	[48]
		1.92	0.03			Tahuata	Marquesas	K/Ar	[48]
		1.89	0.03			Tahuata	Marquesas	K/Ar	[48]
		1.78	0.04			Tahuata	Marquesas	K/Ar	[48]
		2.34	0.12	2.74	0.15	Tahuata	Marquesas	K/Ar	[6]
		2.83	0.14			Tahuata	Marquesas	K/Ar	[6]
		2.80	0.21			Tahuata	Marquesas	K/Ar	[6]
		2.86	0.14			Tahuata	Marquesas	K/Ar	[6]
		2.86	0.14			Tahuata	Marquesas	K/Ar	[6]
		1.74	0.09	2.15	0.16	Tahuata	Marquesas	K/Ar	[6]
		2.10	0.20			Tahuata	Marquesas	K/Ar	[6]
		2.60	0.20			Tahuata	Marquesas	K/Ar	[6]
220.50	-8.90	1.40	0.25	2.09	0.26	Ua Huka	Marquesas	K/Ar	[6]
		1.50	0.20			Ua Huka	Marquesas	K/Ar	[6]
		1.60	0.20			Ua Huka	Marquesas	K/Ar	[6]
		2.90	0.20			Ua Huka	Marquesas	K/Ar	[6]
220.50	-8.90	2.75	0.04	2.76	0.04	Ua Huka	Marquesas	K/Ar	[48]
		2.71	0.03			Ua Huka	Marquesas	K/Ar	[48]
		2.78	0.03			Ua Huka	Marquesas	K/Ar	[48]
		2.78	0.05			Ua Huka	Marquesas	K/Ar	[48]
		2.17	0.16	2.76	0.16	Ua Huka	Marquesas	K/Ar	[6]
		3.50	0.18			Ua Huka	Marquesas	K/Ar	[6]
		1.93	0.10			Ua Huka	Marquesas	K/Ar	[6]
		3.43	0.17			Ua Huka	Marquesas	K/Ar	[6]
		1.40	0.25	1.85	0.23	Ua Huka	Marquesas	K/Ar	[6]
		1.50	0.20			Ua Huka	Marquesas	K/Ar	[6]
		1.60	0.20			Ua Huka	Marquesas	K/Ar	[6]
		2.90	0.20			Ua Huka	Marquesas	K/Ar	[6]
219.85	-9.40	2.25	0.11	3.24	0.16	Ua Pou	Marquesas	K/Ar	[6]
		2.44	0.12			Ua Pou	Marquesas	K/Ar	[6]
		3.93	0.20			Ua Pou	Marquesas	K/Ar	[6]
		2.56	0.13			Ua Pou	Marquesas	K/Ar	[6]
		3.80	0.05	4.14	0.06	Ua Pou	Marquesas	K/Ar	[6]
		4.48	0.07			Ua Pou	Marquesas	K/Ar	[6]
		2.42	0.03	2.54	0.04	Ua Pou	Marquesas	K/Ar	[49]
		2.42	0.04			Ua Pou	Marquesas	K/Ar	[49]
		2.49	0.03			Ua Pou	Marquesas	K/Ar	[49]
		1.78	0.03			Ua Pou	Marquesas	K/Ar	[49]
		2.24	0.03			Ua Pou	Marquesas	K/Ar	[49]
		2.70	0.05			Ua Pou	Marquesas	K/Ar	[49]

		2.70	0.06			Ua Pou	Marquesas	K/Ar	[49]
		2.75	0.04			Ua Pou	Marquesas	K/Ar	[49]
		2.75	0.03			Ua Pou	Marquesas	K/Ar	[49]
		2.78	0.03			Ua Pou	Marquesas	K/Ar	[49]
		2.88	0.08			Ua Pou	Marquesas	K/Ar	[49]
		4.46	0.07	4.86	0.09	Ua Pou	Marquesas	K/Ar	[49]
		4.51	0.14			Ua Pou	Marquesas	K/Ar	[49]
		5.61	0.06			Ua Pou	Marquesas	K/Ar	[49]
162.20	11.50	77.10	0.60	76.25	0.55	Anewetak	Marshall	Ar/Ar - TF	[50]
		77.80	0.50			Anewetak	Marshall	Ar/Ar - TF	[50]
		75.30	0.60			Anewetak	Marshall	Ar/Ar - TF	[50]
		74.80	0.50			Anewetak	Marshall	Ar/Ar - TF	[50]
		75.90	0.60	75.90	0.60	Anewetak	Marshall	Ar/Ar	[50]
160.50	10.80	82.40	0.40	82.40	0.40	Likelep	Marshall	Ar/Ar - TF	[50]
		77.20	0.40	77.20	0.40	Likelep	Marshall	Ar/Ar - TF	[50]
		82.10	0.70	82.10	0.70	Likelep	Marshall	Ar/Ar	[50]
		75.50	0.80	75.50	0.80	Likelep	Marshall	Ar/Ar	[50]
172.40	5.60	68.80	1.00	68.40	0.80	Limalok (Harrie)	Marshall	Ar/Ar - IH	[45]
		68.00	0.60			Limalok (Harrie)	Marshall	Ar/Ar - IH	[45]
		68.20	0.80	71.25	1.33	Limalok (Harrie)	Marshall	Ar/Ar - TF	[45]
		74.30	1.90			Limalok (Harrie)	Marshall	Ar/Ar - TF	[45]
163.60	13.80	82.40	0.70	82.40	0.70	Lobbadede	Marshall	Ar/Ar - TF	[50]
		82.40	2.40	82.40	2.40	Lobbadede	Marshall	Ar/Ar	[50]
169.80	8.90	71.60	1.10			Lokkworkwor (Erikub)	Marshall	K/Ar	[51]
		82.80	1.20			Lokkworkwor (Erikub)	Marshall	K/Ar	[51]
		32.40	0.50			Lokkworkwor (Erikub)	Marshall	K/Ar	[51]
		44.80	0.70			Lokkworkwor (Erikub)	Marshall	K/Ar	[51]
		85.30	0.60	84.15	0.80	Lokkworkwor (Erikub)	Marshall	Ar/Ar - TF	[51]
		87.60	0.60			Lokkworkwor (Erikub)	Marshall	Ar/Ar - TF	[51]
		78.10	0.70			Lokkworkwor (Erikub)	Marshall	Ar/Ar - TF	[51]
		85.60	1.30			Lokkworkwor (Erikub)	Marshall	Ar/Ar - TF	[51]
		84.20	0.60	85.70	1.33	Lokkworkwor (Erikub)	Marshall	Ar/Ar - IH	[51]
		85.70	1.00			Lokkworkwor (Erikub)	Marshall	Ar/Ar - IH	[51]
		87.30	0.60			Lokkworkwor (Erikub)	Marshall	Ar/Ar - IH	[51]
		82.20	3.10			Lokkworkwor (Erikub)	Marshall	Ar/Ar - IH	[51]
		88.30	0.70			Lokkworkwor (Erikub)	Marshall	Ar/Ar - IH	[51]
		86.50	1.90			Lokkworkwor (Erikub)	Marshall	Ar/Ar - IH	[51]
166.20	12.10	140.00	0.80	138.93	0.73	Look	Marshall	Ar/Ar - TF	[50]
		138.10	0.70			Look	Marshall	Ar/Ar - TF	[50]
		138.70	0.70			Look	Marshall	Ar/Ar - TF	[50]

		138.20	0.80	138.20	0.80	Look	Marshall	Ar/Ar	[50]
160.90	14.30	103.10	0.70	103.03	0.72	Neen-Koiaak	Marshall	Ar/Ar - IH	[45]
		104.50	0.80			Neen-Koiaak	Marshall	Ar/Ar - IH	[45]
		102.50	0.90			Neen-Koiaak	Marshall	Ar/Ar - IH	[45]
		102.00	0.50			Neen-Koiaak	Marshall	Ar/Ar - IH	[45]
		103.10	2.10	98.75	1.65	Neen-Koiaak	Marshall	Ar/Ar - TF	[45]
		96.40	0.70			Neen-Koiaak	Marshall	Ar/Ar - TF	[45]
		96.90	3.30			Neen-Koiaak	Marshall	Ar/Ar - TF	[45]
		98.60	0.50			Neen-Koiaak	Marshall	Ar/Ar - TF	[45]
163.00	16.00	85.40	0.50	85.87	0.50	North Wod-En	Marshall	Ar/Ar - TF	[50]
		85.60	0.50			North Wod-En	Marshall	Ar/Ar - TF	[50]
		86.60	0.50			North Wod-En	Marshall	Ar/Ar - TF	[50]
		85.30	0.40	85.30	0.40	North Wod-En	Marshall	Ar/Ar	[50]
165.40	11.60					Pikini (Bikini)	Marshall		[52]
164.90	12.00	85-79	no val	85-79	no val	Wodejebato (Sylvania)	Marshall	Ar/Ar - IH	[37]
		82.10	0.60	81.63	1.07	Wodejebato (Sylvania)	Marshall	Ar/Ar - IH	[45]
		80.90	1.20			Wodejebato (Sylvania)	Marshall	Ar/Ar - IH	[45]
		81.90	1.40			Wodejebato (Sylvania)	Marshall	Ar/Ar - IH	[45]
		82.20	0.50	91.60	0.94	Wodejebato (Sylvania)	Marshall	Ar/Ar - TF	[45]
		107.40	1.40			Wodejebato (Sylvania)	Marshall	Ar/Ar - TF	[45]
		85.20	1.00			Wodejebato (Sylvania)	Marshall	Ar/Ar - TF	[45]
167.60	13.90	30.00	0.50			Woden-kopakut (Ratak)	Marshall	K/Ar	[51]
		50.20	0.80			Woden-kopakut (Ratak)	Marshall	K/Ar	[51]
		74.90	1.90			Woden-kopakut (Ratak)	Marshall	K/Ar	[51]
		64.90	1.00			Woden-kopakut (Ratak)	Marshall	K/Ar	[51]
		73.20	1.10			Woden-kopakut (Ratak)	Marshall	K/Ar	[51]
		76.70	1.10			Woden-kopakut (Ratak)	Marshall	K/Ar	[51]
		83.60	2.10	84.32	0.98	Woden-kopakut (Ratak)	Marshall	Ar/Ar - TF	[51]
		85.80	0.80			Woden-kopakut (Ratak)	Marshall	Ar/Ar - TF	[51]
		85.30	1.30			Woden-kopakut (Ratak)	Marshall	Ar/Ar - TF	[51]
		78.20	0.50			Woden-kopakut (Ratak)	Marshall	Ar/Ar - TF	[51]
		82.40	0.60			Woden-kopakut (Ratak)	Marshall	Ar/Ar - TF	[51]
		90.60	0.60			Woden-kopakut (Ratak)	Marshall	Ar/Ar - TF	[51]
		78.60	0.90	82.23	1.78	Woden-kopakut (Ratak)	Marshall	Ar/Ar - IH	[51]
		88.50	4.80			Woden-kopakut (Ratak)	Marshall	Ar/Ar - IH	[51]
		81.00	0.90			Woden-kopakut (Ratak)	Marshall	Ar/Ar - IH	[51]
		80.80	0.80			Woden-kopakut (Ratak)	Marshall	Ar/Ar - IH	[51]
180.30	18.50	101.20	0.80	101.20	0.80	Allison	Mid Pacific Mountains	Ar/Ar - IH (P)	[35]
		102.70	2.70	102.70	2.70	Allison	Mid Pacific Mountains	Ar/Ar - IH (I)	[35]
		110.70	1.20	110.70	1.20	Allison (ODP 865)	Mid Pacific Mountains	Ar/Ar	[53]

173.80	21.20	123.10	0.60	123.10	0.60	Heezen	Mid Pacific Mountains	Ar/Ar- IH (P)	[35]
		122.60	1.50	122.60	1.50	Heezen	Mid Pacific Mountains	Ar/Ar - IH (I)	[35]
176.70	19.40	98.50	1.40	98.50	1.40	Jacqueline	Mid Pacific Mountains	Ar/Ar - TF	[35]
176.10	17.80	88.50	9.50	88.50	9.50	Renard	Mid Pacific Mountains	Ar/Ar - IH	[36]
		74.80	no val	74.80	no val	Renard	Mid Pacific Mountains	Ar/Ar - IH	[36]
174.50	21.20	127.60	2.10	127.60	2.10	Resolution (ODP 866)	Mid Pacific Mountains	Ar/Ar - IH	[37]
		121.60	1.60	121.60	1.60	Resolution (ODP 866)	Mid Pacific Mountains	Ar/Ar - IH	[37]
201.17	26.58	74.40	3.30	74.03	4.39	Bach	Musician	Ar/Ar - IH	[54]
		74.60	1.70			Bach	Musician	Ar/Ar - IH	[54]
		73.10	8.10			Bach	Musician	Ar/Ar - IH	[54]
		74.30	1.90	70.43	1.99	Bach	Musician	Ar/Ar - IH	[54]
		74.40	1.30			Bach	Musician	Ar/Ar - IH	[54]
		62.60	2.60			Bach	Musician	Ar/Ar - IH	[54]
		74.80	2.40	68.55	4.51	Bach	Musician	Ar/Ar - TF	[54]
		62.30	6.20			Bach	Musician	Ar/Ar - TF	[54]
197.70	31.22	89.70	0.60	89.70	0.60	Brahms	Musician	Ar/Ar - IH	[54]
		90.20	0.40	90.20	0.40	Brahms	Musician	Ar/Ar - IH	[54]
		90.00	0.60	90.00	0.60	Brahms	Musician	Ar/Ar - TF	[54]
198.40	25.18	76.60	0.60	78.27	0.80	East Mendelssohn	Musician	Ar/Ar - IH	[54]
		79.70	0.90			East Mendelssohn	Musician	Ar/Ar - IH	[54]
		78.50	0.90			East Mendelssohn	Musician	Ar/Ar - IH	[54]
		75.80	0.40	77.50	0.50	East Mendelssohn	Musician	Ar/Ar - IH	[54]
		77.90	0.50			East Mendelssohn	Musician	Ar/Ar - IH	[54]
		78.80	0.60			East Mendelssohn	Musician	Ar/Ar - IH	[54]
		70.00	0.50	72.77	0.60	East Mendelssohn	Musician	Ar/Ar - TF	[54]
		74.10	0.60			East Mendelssohn	Musician	Ar/Ar - TF	[54]
		74.20	0.70			East Mendelssohn	Musician	Ar/Ar - TF	[54]
194.20	32.50	93.40	1.10	94.00	1.05	Hammerstein	Musician	Ar/Ar - IH	[54]
		94.60	1.00			Hammerstein	Musician	Ar/Ar - IH	[54]
		94.10	0.50	94.40	0.50	Hammerstein	Musician	Ar/Ar - IH	[54]
		94.70	0.50			Hammerstein	Musician	Ar/Ar - IH	[54]
		105.10	0.70	104.60	0.70	Hammerstein	Musician	Ar/Ar - TF	[54]
		104.10	0.70			Hammerstein	Musician	Ar/Ar - TF	[54]
198.80	26.63	74.40	2.60	74.40	2.60	Haydn	Musician	Ar/Ar - IH	[54]
		75.10	1.20	75.10	1.20	Haydn	Musician	Ar/Ar - TF	[54]
197.80	28.10	81.50	4.50	82.00	5.79	Khatchaturian	Musician	Ar/Ar - IH	[54]
		82.50	7.10			Khatchaturian	Musician	Ar/Ar - IH	[54]
		80.40	1.30	81.25	1.20	Khatchaturian	Musician	Ar/Ar - IH	[54]
		82.10	1.10			Khatchaturian	Musician	Ar/Ar - IH	[54]
		74.20	7.00	76.15	5.30	Khatchaturian	Musician	Ar/Ar - TF	[54]

		78.10	3.50			Khatchaturian	Musician	Ar/Ar - TF	[54]
198.00	29.00	79.80	5.21	79.80	5.21	Liszt	Musician	Ar/Ar - IH	[54]
		84.40	1.50	84.40	1.50	Liszt	Musician	Ar/Ar - TF	[54]
194.90	31.63	91.60	0.70	91.50	0.70	Mahler	Musician	Ar/Ar - IH	[54]
		91.40	0.70			Mahler	Musician	Ar/Ar - IH	[54]
		84.00	2.40	82.70	2.45	Mahler	Musician	Ar/Ar - IH	[54]
		81.40	2.50			Mahler	Musician	Ar/Ar - IH	[54]
		91.20	0.40	91.10	0.50	Mahler	Musician	Ar/Ar - IH	[54]
		91.00	0.60			Mahler	Musician	Ar/Ar - IH	[54]
		83.20	1.40	81.85	1.04	Mahler	Musician	Ar/Ar - IH	[54]
		80.50	0.70			Mahler	Musician	Ar/Ar - IH	[54]
		88.50	0.50	88.50	0.50	Mahler	Musician	Ar/Ar - TF	[54]
		83.90	2.80	79.55	3.39	Mahler	Musician	Ar/Ar - TF	[54]
		75.20	3.90			Mahler	Musician	Ar/Ar - TF	[54]
193.00	34.00	95.70	0.90	96.35	1.84	NW Cluster	Musician	Ar/Ar - IH	[54]
		95.70	0.70			NW Cluster	Musician	Ar/Ar - IH	[54]
		97.00	3.40			NW Cluster	Musician	Ar/Ar - IH	[54]
		97.00	2.40			NW Cluster	Musician	Ar/Ar - IH	[54]
		96.00	0.40	94.90	0.58	NW Cluster	Musician	Ar/Ar - IH	[54]
		95.90	0.40			NW Cluster	Musician	Ar/Ar - IH	[54]
		94.00	0.80			NW Cluster	Musician	Ar/Ar - IH	[54]
		93.70	0.70			NW Cluster	Musician	Ar/Ar - IH	[54]
		96.10	0.70	93.60	0.75	NW Cluster	Musician	Ar/Ar - TF	[54]
		91.10	0.80			NW Cluster	Musician	Ar/Ar - TF	[54]
202.90	24.90	65.50	4.30	65.50	4.30	Paumakua	Musician	Ar/Ar - TF	[18]
196.63	29.33	84.50	1.90	84.50	1.90	Rachmaninoff	Musician	Ar/Ar - IH	[54]
		86.40	1.50	86.40	1.50	Rachmaninoff	Musician	Ar/Ar - TF	[54]
200.10	25.95	83.00	1.00	83.00	1.00	Schumann	Musician	Ar/Ar - IH	[54]
		83.70	0.60	83.70	0.60	Schumann	Musician	Ar/Ar - IH	[54]
		83.80	0.70	83.80	0.70	Schumann	Musician	Ar/Ar - TF	[54]
198.05	25.13	84.00	2.90	83.00	2.14	West Mendelssohn	Musician	Ar/Ar - IH	[54]
		82.00	1.40			West Mendelssohn	Musician	Ar/Ar - IH	[54]
		80.80	0.90	81.95	0.75	West Mendelssohn	Musician	Ar/Ar - IH	[54]
		83.10	0.60			West Mendelssohn	Musician	Ar/Ar - IH	[54]
		85.50	1.20	84.70	1.20	West Mendelssohn	Musician	Ar/Ar - TF	[54]
		83.90	1.20			West Mendelssohn	Musician	Ar/Ar - TF	[54]
192.10	21.50	82.40	3.70	82.40	3.70	Necker Rise (144D)	Necker Rise	Ar/Ar - IH	[40]
221.30	-22.20	10.12	0.10	10.12	0.11	Fangataufa	Pitcairn	K/Ar	[55]
		9.68	0.10			Fangataufa	Pitcairn	K/Ar	[55]
		9.66	0.10			Fangataufa	Pitcairn	K/Ar	[55]

		9.64	0.10			Fangataufa	Pitcairn	K/Ar	[55]
		9.66	0.10			Fangataufa	Pitcairn	K/Ar	[55]
		9.80	0.10			Fangataufa	Pitcairn	K/Ar	[55]
		10.19	0.10			Fangataufa	Pitcairn	K/Ar	[55]
		10.27	0.10			Fangataufa	Pitcairn	K/Ar	[55]
		10.62	0.10			Fangataufa	Pitcairn	K/Ar	[55]
		10.56	0.10			Fangataufa	Pitcairn	K/Ar	[55]
		11.13	0.10			Fangataufa	Pitcairn	K/Ar	[55]
		10.14	0.10			Fangataufa	Pitcairn	K/Ar	[55]
		10.09	0.10			Fangataufa	Pitcairn	K/Ar	[55]
		11.51	0.30	12.44	0.24	Fangataufa	Pitcairn	K/Ar	[55]
		12.85	0.20			Fangataufa	Pitcairn	K/Ar	[55]
		12.95	0.20			Fangataufa	Pitcairn	K/Ar	[55]
225.00	-23.20	5.68	0.10	5.79	0.10	Gambier	Pitcairn	K/Ar	[56]
		5.69	0.10			Gambier	Pitcairn	K/Ar	[56]
		5.72	0.10			Gambier	Pitcairn	K/Ar	[56]
		5.70	0.10			Gambier	Pitcairn	K/Ar	[56]
		5.90	0.10			Gambier	Pitcairn	K/Ar	[56]
		5.70	0.10			Gambier	Pitcairn	K/Ar	[56]
		6.20	0.10			Gambier	Pitcairn	K/Ar	[56]
		5.70	0.10			Gambier	Pitcairn	K/Ar	[56]
221.00	-21.87	10.82	0.10	10.42	0.10	Moruroa	Pitcairn	K/Ar	[56]
		9.45	0.10			Moruroa	Pitcairn	K/Ar	[56]
		10.99	0.10			Moruroa	Pitcairn	K/Ar	[56]
		10.72	0.10	11.06	0.11	Moruroa	Pitcairn	K/Ar	[57]
		11.24	0.10			Moruroa	Pitcairn	K/Ar	[57]
		11.55	0.10			Moruroa	Pitcairn	K/Ar	[57]
		11.58	0.10			Moruroa	Pitcairn	K/Ar	[57]
		11.77	0.10			Moruroa	Pitcairn	K/Ar	[57]
		11.49	0.10			Moruroa	Pitcairn	K/Ar	[57]
		10.75	0.10			Moruroa	Pitcairn	K/Ar	[57]
		10.83	0.10			Moruroa	Pitcairn	K/Ar	[57]
		10.67	0.10			Moruroa	Pitcairn	K/Ar	[57]
		10.69	0.10			Moruroa	Pitcairn	K/Ar	[57]
		10.79	0.10			Moruroa	Pitcairn	K/Ar	[57]
		10.92	0.10			Moruroa	Pitcairn	K/Ar	[57]
		10.92	0.10			Moruroa	Pitcairn	K/Ar	[57]
		10.96	0.10			Moruroa	Pitcairn	K/Ar	[57]
		11.05	0.10			Moruroa	Pitcairn	K/Ar	[57]
230.60	-25.33	0.00		0.00		Pitcairn Hotspot	Pitcairn	observation	[58]

229.90	-25.07	0.50		0.70		Pitcairn Is.	Pitcairn	K/Ar	[59]
		0.90				Pitcairn Is.	Pitcairn	K/Ar	[59]
153.00	12.00	116.80	4.80	115.10	7.48	EastMariana (ODP 802)	Plateau	Ar/Ar	[60]
		112.50	4.60			EastMariana (ODP 802)	Plateau	Ar/Ar	[60]
		116.00	13.10			EastMariana (ODP 802)	Plateau	Ar/Ar	[60]
		114.60	3.20	114.60	3.20	EastMariana (ODP 802)	Plateau	Ar/Ar - TF	[60]
179.20	6.30	82.66	0.45	83.10	0.44	Hess (DSDP465A)	Plateau	Ar/Ar - IH	[61]
		83.53	0.42			Hess (DSDP465A)	Plateau	Ar/Ar - IH	[61]
		90-94		90-94		Hess (DSDP465A)	Plateau	Ar/Ar	[61]
183.00	7.00	M15		M15		Magellan Rise	Plateau	Mag	[62]
		(139)		(139)					
197.70	-11.00	106.00	3.50	106.00	3.50	Manihiki (DSDP317)	Plateau	K/Ar	[41]
165.00	7.00	110.00	3.00	109.12	7.26	Nauru (DSDP462)	Plateau	Ar/Ar - IH	[63]
		111.60	1.50			Nauru (DSDP462)	Plateau	Ar/Ar - IH	[63]
		109.90	1.40			Nauru (DSDP462)	Plateau	Ar/Ar - IH	[63]
		113.60	4.50			Nauru (DSDP462)	Plateau	Ar/Ar - IH	[63]
		100.50	24.10			Nauru (DSDP462)	Plateau	Ar/Ar - IH	[63]
158.50	-0.50	121.70	2.70	122.25	2.55	OntongJava (DSDP289)	Plateau	Ar/Ar- IH (P)	[64]
		122.80	2.40			OntongJava (DSDP289)	Plateau	Ar/Ar- IH (P)	[64]
		128.50	2.60	125.60	2.40	OntongJava (DSDP289)	Plateau	Ar/Ar - IH (I)	[64]
		122.70	2.20			OntongJava (DSDP289)	Plateau	Ar/Ar - IH (I)	[64]
		121.00	no val	121.20	no val	OntongJava (DSDP289)	Plateau	Ar/Ar - TF	[64]
		121.40				OntongJava (DSDP289)	Plateau	Ar/Ar - TF	[64]
161.00	-8.50	123.30	2.90	122.80	2.65	OntongJava (Malaita)	Plateau	Ar/Ar- IH (P)	[64]
		122.30	2.40			OntongJava (Malaita)	Plateau	Ar/Ar- IH (P)	[64]
		118.90	2.40	116.80	3.67	OntongJava (Malaita)	Plateau	Ar/Ar - IH (I)	[64]
		114.70	4.90			OntongJava (Malaita)	Plateau	Ar/Ar - IH (I)	[64]
		127.00	no val	126.20	no val	OntongJava (Malaita)	Plateau	Ar/Ar - TF	[64]
		125.40	no val			OntongJava (Malaita)	Plateau	Ar/Ar - TF	[64]
160.50	2.50	88.20	1.10	87.98	2.59	OntongJava (ODP 803)	Plateau	Ar/Ar- IH (P)	[64]
		86.10	4.60			OntongJava (ODP 803)	Plateau	Ar/Ar- IH (P)	[64]
		83.70	3.10			OntongJava (ODP 803)	Plateau	Ar/Ar- IH (P)	[64]
		93.90	1.40			OntongJava (ODP 803)	Plateau	Ar/Ar- IH (P)	[64]
		85.70	1.30	86.33	2.01	OntongJava (ODP 803)	Plateau	Ar/Ar - IH (I)	[64]
		83.10	2.50			OntongJava (ODP 803)	Plateau	Ar/Ar - IH (I)	[64]
		82.70	1.50			OntongJava (ODP 803)	Plateau	Ar/Ar - IH (I)	[64]
		93.80	2.80			OntongJava (ODP 803)	Plateau	Ar/Ar - IH (I)	[64]
		55.50	no val	81.54	no val	OntongJava (ODP 803)	Plateau	Ar/Ar - TF	[64]
		88.30	no val			OntongJava (ODP 803)	Plateau	Ar/Ar - TF	[64]
		86.10	no val			OntongJava (ODP 803)	Plateau	Ar/Ar - TF	[64]

		84.20	no val			OntongJava (ODP 803)	Plateau	Ar/Ar - TF	[64]
		93.60	no val			OntongJava (ODP 803)	Plateau	Ar/Ar - TF	[64]
156.50	3.50	121.00	4.50	122.08	2.65	OntongJava (ODP 807)	Plateau	Ar/Ar- IH (P)	[64]
		121.40	1.90			OntongJava (ODP 807)	Plateau	Ar/Ar- IH (P)	[64]
		119.90	2.60			OntongJava (ODP 807)	Plateau	Ar/Ar- IH (P)	[64]
		123.40	2.50			OntongJava (ODP 807)	Plateau	Ar/Ar- IH (P)	[64]
		124.70	2.20			OntongJava (ODP 807)	Plateau	Ar/Ar- IH (P)	[64]
		122.10	2.20			OntongJava (ODP 807)	Plateau	Ar/Ar- IH (P)	[64]
		121.70	3.60	122.70	4.44	OntongJava (ODP 807)	Plateau	Ar/Ar - IH (I)	[64]
		124.00	2.50			OntongJava (ODP 807)	Plateau	Ar/Ar - IH (I)	[64]
		122.40	4.00			OntongJava (ODP 807)	Plateau	Ar/Ar - IH (I)	[64]
		122.60	1.70			OntongJava (ODP 807)	Plateau	Ar/Ar - IH (I)	[64]
		119.50	9.90			OntongJava (ODP 807)	Plateau	Ar/Ar - IH (I)	[64]
		126.00	4.80			OntongJava (ODP 807)	Plateau	Ar/Ar - IH (I)	[64]
		118.80	no val	118.35	no val	OntongJava (ODP 807)	Plateau	Ar/Ar - TF	[64]
		124.10	no val			OntongJava (ODP 807)	Plateau	Ar/Ar - TF	[64]
		98.20	no val			OntongJava (ODP 807)	Plateau	Ar/Ar - TF	[64]
		118.20	no val			OntongJava (ODP 807)	Plateau	Ar/Ar - TF	[64]
		124.50	no val			OntongJava (ODP 807)	Plateau	Ar/Ar - TF	[64]
		126.30	no val			OntongJava (ODP 807)	Plateau	Ar/Ar - TF	[64]
		143.90	no val			OntongJava (ODP 807)	Plateau	Ar/Ar - TF	[64]
152.00	22.00	153.70	8.00	163.35	6.85	Pigafetta (ODP 801)	Plateau	Ar/Ar	[60]
		173.00	5.50			Pigafetta (ODP 801)	Plateau	Ar/Ar	[60]
162.60	37.10	53.00	no val	51.80	no val	Shatsky Rise	Plateau	K/Ar	[34]
		56.70	no val			Shatsky Rise	Plateau	K/Ar	[34]
		45.70	no val			Shatsky Rise	Plateau	K/Ar	[34]
163.80	37.00	25.30	no val	25.30	no val	Shatsky Rise	Plateau	K/Ar	[34]
163.40	37.10	50.00	no val	50.00	no val	Shatsky Rise	Plateau	K/Ar	[33]
157.00	33.00	M17R		M17R		Shatsky Rise	Plateau	Mag	[65]
		(144)		(144)					
163.00	37.00	M14		M14		Shatsky Rise	Plateau	Mag	[66]
		(139)		(139)					
165.00	42.00	M4		M4		Shatsky Rise	Plateau	Mag	[66]
		(131)		(131)					
234.00	-16.80	9.00	0.20	9.00	0.20	10D	Puka-Puka	Ar/Ar - IH	[67]
228.50	-16.00	12.90	0.30	12.90	0.30	13D	Puka-Puka	Ar/Ar - IH	[67]
241.10	-17.40	7.10	0.40	7.10	0.40	2D	Puka-Puka	Ar/Ar - IH	[67]
241.50	-17.10	5.60	0.30	5.60	0.30	3D	Puka-Puka	Ar/Ar - IH	[67]
241.00	-17.00	7.40	0.70	7.40	0.70	4D	Puka-Puka	Ar/Ar - IH	[67]
237.50	-16.80	17.60	1.60	17.60	1.60	7D	Puka-Puka	Ar/Ar - IH	[67]

234.50	-16.40	9.00	0.50	9.00	0.50	9D	Puka-Puka	Ar/Ar - IH	[67]
219.00	-14.50	27.50	0.40	27.50	0.40	Napuka-19D	Puka-Puka	Ar/Ar - IH	[67]
221.50	-14.90	21.90	0.20	21.90	0.20	Pukapuka-18D	Puka-Puka	Ar/Ar - IH	[67]
225.00	-15.50	11.50	0.10	11.50	0.10	Wahoo-15D	Puka-Puka	Ar/Ar - IH	[67]
175.00	-11.70	27.70	0.40	27.70	0.40	Alexa	Samoa	K/Ar	[68]
		36.90	0.50	36.90	0.50	Alexa	Samoa	Ar/Ar	[68]
182.60	-12.70	13.50	0.90	13.50	0.90	Combe	Samoa	K/Ar	[68]
		14.10	1.10	14.10	1.10	Combe	Samoa	Ar/Ar	[68]
185.38	-12.25	5.40	0.20	5.40	0.20	Field	Samoa	K/Ar	[68]
		4.20	0.30	4.20	0.30	Field	Samoa	Ar/Ar	[68]
184.37	-13.00	10.00	0.30	10.00	0.30	Lalla-Rookh	Samoa	K/Ar	[68]
		9.80	0.30	9.80	0.30	Lalla-Rookh	Samoa	Ar/Ar	[68]
190.40	-14.20	0.00		0.00		Manua	Samoa	observation	[69]
189.33	-14.30	1.40	0.04	1.23	0.04	Tutuila	Samoa	K/Ar	[70]
		1.27	0.04			Tutuila	Samoa	K/Ar	[70]
		1.03	0.03			Tutuila	Samoa	K/Ar	[70]
188.33	-14.00	1.50	0.40	1.63	1.18	Upolu	Samoa	K/Ar	[10]
		2.40	0.70			Upolu	Samoa	K/Ar	[10]
		1.00	1.60			Upolu	Samoa	K/Ar	[10]
		2.65	0.10	2.32	0.12	Upolu	Samoa	K/Ar	[70]
		2.80	0.20			Upolu	Samoa	K/Ar	[70]
		2.68	0.10			Upolu	Samoa	K/Ar	[70]
		2.45	0.10			Upolu	Samoa	K/Ar	[70]
		1.82	0.10			Upolu	Samoa	K/Ar	[70]
		1.54	0.10			Upolu	Samoa	K/Ar	[70]
183.30	-13.10	0.82	0.03	0.82	0.03	Wallis	Samoa	Ar/Ar	[68]
211.50	-19.50	10.5	0.2	10.5	0.2	Feie smt.	Society	K/Ar	[3]
208.25	-16.50	3.12	0.05	3.27	0.05	Bora Bora	Society	K/Ar	[7]
		3.18	0.08			Bora Bora	Society	K/Ar	[7]
		3.16	0.05			Bora Bora	Society	K/Ar	[7]
		3.32	0.04			Bora Bora	Society	K/Ar	[7]
		3.34	0.05			Bora Bora	Society	K/Ar	[7]
		3.28	0.04			Bora Bora	Society	K/Ar	[7]
		3.38	0.09			Bora Bora	Society	K/Ar	[7]
		3.39	0.06			Bora Bora	Society	K/Ar	[7]
		3.23	0.05			Bora Bora	Society	K/Ar	[7]
		3.24	0.12	3.80	0.18	Bora Bora	Society	K/Ar	[6]
		3.63	0.14			Bora Bora	Society	K/Ar	[6]
		3.81	0.22			Bora Bora	Society	K/Ar	[6]
		3.59	0.25			Bora Bora	Society	K/Ar	[6, 71]

		3.61	0.19			Bora Bora	Society	K/Ar	[6, 71]
		3.63	0.25			Bora Bora	Society	K/Ar	[6, 71]
		3.71	0.17			Bora Bora	Society	K/Ar	[6, 71]
		3.77	0.13			Bora Bora	Society	K/Ar	[6, 71]
		3.83	0.14			Bora Bora	Society	K/Ar	[6, 71]
		3.61	0.21			Bora Bora	Society	K/Ar	[6]
		4.21	0.15			Bora Bora	Society	K/Ar	[6]
		4.33	0.17			Bora Bora	Society	K/Ar	[6]
		4.37	0.16			Bora Bora	Society	K/Ar	[6]
		6.08	0.16	6.08	0.16	Bora Bora	Society	K/Ar	[6]
209.00	-16.70	2.58	0.03	2.28	0.04	Huahine	Society	K/Ar	[7]
		2.01	0.03			Huahine	Society	K/Ar	[7]
		2.19	0.05			Huahine	Society	K/Ar	[7]
		2.15	0.04			Huahine	Society	K/Ar	[7]
		2.51	0.04			Huahine	Society	K/Ar	[7]
		2.54	0.04			Huahine	Society	K/Ar	[7]
		2.01	0.02			Huahine	Society	K/Ar	[7]
		2.05	0.10	2.87	0.15	Huahine	Society	K/Ar	[6, 71]
		2.15	0.11			Huahine	Society	K/Ar	[6, 71]
		3.08	0.15			Huahine	Society	K/Ar	[6]
		2.86	0.14			Huahine	Society	K/Ar	[6, 71]
		2.88	0.14			Huahine	Society	K/Ar	[6, 71]
		3.21	0.16			Huahine	Society	K/Ar	[6, 71]
		2.63	0.13			Huahine	Society	K/Ar	[6, 71]
		2.88	0.14			Huahine	Society	K/Ar	[6, 71]
		2.90	0.22			Huahine	Society	K/Ar	[6, 71]
		2.99	0.15			Huahine	Society	K/Ar	[6, 71]
		2.96	0.15			Huahine	Society	K/Ar	[6, 71]
		2.99	0.15			Huahine	Society	K/Ar	[6, 71]
		3.10	0.15			Huahine	Society	K/Ar	[6, 71]
		3.06	0.15			Huahine	Society	K/Ar	[6, 71]
		3.17	0.16			Huahine	Society	K/Ar	[6, 71]
		3.08	0.15			Huahine	Society	K/Ar	[6]
		4.23	0.21	4.61	0.23	Huahine	Society	K/Ar	[6]
		4.99	0.25			Huahine	Society	K/Ar	[6]
207.75	-16.45	4.34	0.08	4.26	0.07	Maupiti	Society	K/Ar	[7]
		4.33	0.07			Maupiti	Society	K/Ar	[7]
		4.49	0.09			Maupiti	Society	K/Ar	[7]
		3.94	0.06			Maupiti	Society	K/Ar	[7]
		4.07	0.06			Maupiti	Society	K/Ar	[7]

		4.32	0.06			Maupiti	Society	K/Ar	[7]
		4.29	0.06			Maupiti	Society	K/Ar	[7]
		4.29	0.06			Maupiti	Society	K/Ar	[7]
		4.20	0.32	4.87	0.26	Maupiti	Society	K/Ar	[6]
		5.54	0.28			Maupiti	Society	K/Ar	[6]
		4.46	0.22			Maupiti	Society	K/Ar	[6, 71]
		4.79	0.24			Maupiti	Society	K/Ar	[6]
		4.85	0.24			Maupiti	Society	K/Ar	[6]
		5.05	0.25			Maupiti	Society	K/Ar	[6]
		5.22	0.26			Maupiti	Society	K/Ar	[6]
212.00	-17.90	0.03	0.01	0.05	0.01	Mehetia	Society	K/Ar	[72]
		0.06	0.00			Mehetia	Society	K/Ar	[72]
		0.07	0.00			Mehetia	Society	K/Ar	[72]
		0.55	0.01	0.22	0.03	Mehetia	Society	K/Ar	[73]
		0.03	0.01			Mehetia	Society	K/Ar	[73]
		0.07	0.00			Mehetia	Society	K/Ar	[73]
210.20	-17.50	1.51	0.03	1.50	0.03	Moorea	Society	K/Ar	[7]
		1.55	0.02			Moorea	Society	K/Ar	[7]
		1.50	0.03			Moorea	Society	K/Ar	[7]
		1.50	0.03			Moorea	Society	K/Ar	[7]
		1.54	0.03			Moorea	Society	K/Ar	[7]
		1.49	0.02			Moorea	Society	K/Ar	[7]
		1.64	0.02			Moorea	Society	K/Ar	[7]
		1.52	0.02			Moorea	Society	K/Ar	[7]
		1.61	0.03			Moorea	Society	K/Ar	[7]
		1.15	0.02			Moorea	Society	K/Ar	[7]
		1.53	0.04			Moorea	Society	K/Ar	[7]
		1.46	0.11	1.86	0.10	Moorea	Society	K/Ar	[6]
		2.08	0.10			Moorea	Society	K/Ar	[6]
		2.18	0.11			Moorea	Society	K/Ar	[6, 71]
		1.47	0.11			Moorea	Society	K/Ar	[6]
		1.61	0.08			Moorea	Society	K/Ar	[6, 71]
		1.66	0.08			Moorea	Society	K/Ar	[6, 71]
		1.72	0.09			Moorea	Society	K/Ar	[6, 71]
		1.75	0.09			Moorea	Society	K/Ar	[6, 71]
		1.77	0.09			Moorea	Society	K/Ar	[6, 71]
		1.79	0.09			Moorea	Society	K/Ar	[6, 71]
		1.79	0.09			Moorea	Society	K/Ar	[6, 71]
		1.86	0.09			Moorea	Society	K/Ar	[6, 71]
		2.02	0.10			Moorea	Society	K/Ar	[6]

		2.36	0.18			Moorea	Society	K/Ar	[6]
		2.45	0.12			Moorea	Society	K/Ar	[6]
211.39	-17.35	0.16	0.04	0.16	0.04	Moua Pihaa	Society	K/Ar	[73]
		0.51	0.15	0.51	0.15	Moua Pihaa	Society	K/Ar	[71]
208.55	-16.80	2.48	0.03	2.46	0.05	Raiatea	Society	K/Ar	[7]
		2.48	0.03			Raiatea	Society	K/Ar	[7]
		2.57	0.04			Raiatea	Society	K/Ar	[7]
		2.38	0.16			Raiatea	Society	K/Ar	[7]
		2.44	0.03			Raiatea	Society	K/Ar	[7]
		2.42	0.04			Raiatea	Society	K/Ar	[7]
		2.43	0.03			Raiatea	Society	K/Ar	[7]
		2.44	0.12	3.08	0.17	Raiatea	Society	K/Ar	[6, 71]
		2.77	0.14			Raiatea	Society	K/Ar	[6, 71]
		2.87	0.22			Raiatea	Society	K/Ar	[6, 71]
		3.38	0.25			Raiatea	Society	K/Ar	[6]
		3.79	0.19			Raiatea	Society	K/Ar	[6]
		3.35	0.25			Raiatea	Society	K/Ar	[6]
		3.32	0.17			Raiatea	Society	K/Ar	[6]
		2.62	0.13			Raiatea	Society	K/Ar	[6, 71]
		2.89	0.14			Raiatea	Society	K/Ar	[6, 71]
		2.81	0.21			Raiatea	Society	K/Ar	[6, 71]
		3.04	0.15			Raiatea	Society	K/Ar	[6]
		3.37	0.17			Raiatea	Society	K/Ar	[6]
		3.11	0.16			Raiatea	Society	K/Ar	[6, 71]
		3.17	0.16			Raiatea	Society	K/Ar	[6, 71]
		2.76	0.14			Raiatea	Society	K/Ar	[6]
		3.51	0.18			Raiatea	Society	K/Ar	[6]
		5.01	0.25	5.31	0.33	Raiatea	Society	K/Ar	[6]
		5.60	0.42			Raiatea	Society	K/Ar	[6]
211.40	-17.64	0.15	0.00	0.28	0.00	Rocard	Society	K/Ar	[73]
		0.15	0.00			Rocard	Society	K/Ar	[73]
		0.54	0.01			Rocard	Society	K/Ar	[73]
208.50	-16.60	2.83	0.04	2.88	0.04	Tahaa	Society	K/Ar	[7]
		2.85	0.04			Tahaa	Society	K/Ar	[7]
		2.56	0.04			Tahaa	Society	K/Ar	[7]
		2.90	0.04			Tahaa	Society	K/Ar	[7]
		3.16	0.04			Tahaa	Society	K/Ar	[7]
		2.93	0.04			Tahaa	Society	K/Ar	[7]
		2.89	0.04			Tahaa	Society	K/Ar	[7]
		2.88	0.04			Tahaa	Society	K/Ar	[7]

		2.89	0.05			Tahaa	Society	K/Ar	[7]
		3.21	0.16	3.49	0.17	Tahaa	Society	K/Ar	[6]
		3.75	0.19			Tahaa	Society	K/Ar	[6]
		3.81	0.19			Tahaa	Society	K/Ar	[6]
		4.12	0.21			Tahaa	Society	K/Ar	[6]
		2.82	0.14			Tahaa	Society	K/Ar	[6, 71]
		3.25	0.16			Tahaa	Society	K/Ar	[6, 71]
210.80	-17.80	0.78	0.01	0.59	0.01	Tahiti-iti	Society	K/Ar	[73]
		0.46	0.03			Tahiti-iti	Society	K/Ar	[73]
		0.77	0.01			Tahiti-iti	Society	K/Ar	[73]
		0.47	0.01			Tahiti-iti	Society	K/Ar	[73]
		0.45	0.01			Tahiti-iti	Society	K/Ar	[73]
		0.51	0.03	0.73	0.09	Tahiti-iti	Society	K/Ar	[74]
		0.95	0.18			Tahiti-iti	Society	K/Ar	[74]
210.70	-17.77	0.42	0.01	0.43	0.02	Tahiti-iti	Society	K/Ar	[7]
		0.38	0.02			Tahiti-iti	Society	K/Ar	[7]
		0.45	0.01			Tahiti-iti	Society	K/Ar	[7]
		0.48	0.06			Tahiti-iti	Society	K/Ar	[7]
210.60	-17.60	0.66	0.01	0.83	0.01	Tahiti-nui	Society	K/Ar	[73]
		0.87	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.56	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.88	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.60	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.80	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.91	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.55	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.55	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.64	0.02			Tahiti-nui	Society	K/Ar	[73]
		0.82	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.83	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.79	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.82	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.85	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.76	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.70	0.01			Tahiti-nui	Society	K/Ar	[73]
		1.30	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.58	0.01			Tahiti-nui	Society	K/Ar	[73]
		0.87	0.02			Tahiti-nui	Society	K/Ar	[73]
		0.69	0.01			Tahiti-nui	Society	K/Ar	[73]
		1.05	0.01			Tahiti-nui	Society	K/Ar	[73]

1.27	0.01			Tahiti-nui	Society	K/Ar	[73]
1.21	0.01			Tahiti-nui	Society	K/Ar	[73]
1.30	0.01			Tahiti-nui	Society	K/Ar	[73]
0.46	0.01			Tahiti-nui	Society	K/Ar	[73]
0.89	0.01			Tahiti-nui	Society	K/Ar	[73]
0.56	0.01			Tahiti-nui	Society	K/Ar	[73]
0.56	0.01			Tahiti-nui	Society	K/Ar	[73]
0.54	0.01			Tahiti-nui	Society	K/Ar	[73]
0.56	0.01			Tahiti-nui	Society	K/Ar	[73]
0.88	0.01			Tahiti-nui	Society	K/Ar	[73]
0.87	0.01			Tahiti-nui	Society	K/Ar	[73]
1.21	0.01			Tahiti-nui	Society	K/Ar	[73]
1.16	0.02			Tahiti-nui	Society	K/Ar	[73]
0.52	0.01			Tahiti-nui	Society	K/Ar	[73]
0.76	0.01			Tahiti-nui	Society	K/Ar	[73]
0.59	0.01			Tahiti-nui	Society	K/Ar	[73]
1.28	0.01			Tahiti-nui	Society	K/Ar	[73]
1.33	0.02			Tahiti-nui	Society	K/Ar	[73]
0.67	0.01			Tahiti-nui	Society	K/Ar	[73]
1.35	0.02			Tahiti-nui	Society	K/Ar	[73]
1.37	0.02			Tahiti-nui	Society	K/Ar	[73]
0.79	0.01			Tahiti-nui	Society	K/Ar	[73]
1.29	0.02			Tahiti-nui	Society	K/Ar	[73]
1.34	0.02			Tahiti-nui	Society	K/Ar	[73]
0.23	0.00			Tahiti-nui	Society	K/Ar	[73]
0.96	0.01			Tahiti-nui	Society	K/Ar	[73]
0.76	0.01			Tahiti-nui	Society	K/Ar	[73]
0.55	0.01			Tahiti-nui	Society	K/Ar	[73]
0.47	0.01			Tahiti-nui	Society	K/Ar	[73]
0.54	0.01			Tahiti-nui	Society	K/Ar	[73]
0.51	0.01	0.76	0.01	Tahiti-nui	Society	K/Ar	[7]
0.92	0.01			Tahiti-nui	Society	K/Ar	[7]
0.82	0.02			Tahiti-nui	Society	K/Ar	[7]
0.70	0.01			Tahiti-nui	Society	K/Ar	[7]
0.70	0.01			Tahiti-nui	Society	K/Ar	[7]
0.71	0.02			Tahiti-nui	Society	K/Ar	[7]
1.23	0.04			Tahiti-nui	Society	K/Ar	[7]
0.78	0.01			Tahiti-nui	Society	K/Ar	[7]
0.76	0.01			Tahiti-nui	Society	K/Ar	[7]
0.48	0.01			Tahiti-nui	Society	K/Ar	[7]

1.28	0.19	1.09	0.12	Tahiti-nui	Society	K/Ar	[6]
0.44	0.07			Tahiti-nui	Society	K/Ar	[6]
							Diraison, 1991 #298]
0.86	0.13			Tahiti-nui	Society	K/Ar	[6, 71]
2.05	0.31			Tahiti-nui	Society	K/Ar	[6]
0.57	0.03			Tahiti-nui	Society	K/Ar	[6, 71]
0.74	0.11			Tahiti-nui	Society	K/Ar	[6, 71]
1.38	0.21			Tahiti-nui	Society	K/Ar	[6]
1.02	0.08			Tahiti-nui	Society	K/Ar	[6, 71]
0.81	0.06			Tahiti-nui	Society	K/Ar	[6]
0.88	0.07			Tahiti-nui	Society	K/Ar	[6]
0.73	0.11			Tahiti-nui	Society	K/Ar	[6, 71]
0.84	0.25			Tahiti-nui	Society	K/Ar	[6]
0.97	0.14			Tahiti-nui	Society	K/Ar	[6]
0.73	0.11			Tahiti-nui	Society	K/Ar	[6, 71]
1.23	0.18			Tahiti-nui	Society	K/Ar	[6]
0.78	0.06			Tahiti-nui	Society	K/Ar	[6, 71]
0.94	0.07			Tahiti-nui	Society	K/Ar	[6]
1.02	0.08			Tahiti-nui	Society	K/Ar	[6, 71]
1.29	0.06			Tahiti-nui	Society	K/Ar	[6]
1.06	0.08			Tahiti-nui	Society	K/Ar	[6, 71]
0.77	0.12			Tahiti-nui	Society	K/Ar	[6]
1.41	0.21			Tahiti-nui	Society	K/Ar	[6]
1.09	0.16			Tahiti-nui	Society	K/Ar	[6]
1.10	0.05			Tahiti-nui	Society	K/Ar	[6]
1.14	0.09			Tahiti-nui	Society	K/Ar	[6, 71]
1.41	0.07			Tahiti-nui	Society	K/Ar	[6]
0.73	0.11			Tahiti-nui	Society	K/Ar	[6]
1.45	0.11			Tahiti-nui	Society	K/Ar	[6]
0.90	0.13			Tahiti-nui	Society	K/Ar	[6]
1.57	0.12			Tahiti-nui	Society	K/Ar	[6]
2.29	0.11			Tahiti-nui	Society	K/Ar	[6]
1.17	0.06			Tahiti-nui	Society	K/Ar	[6, 71]
1.17	0.06			Tahiti-nui	Society	K/Ar	[6, 71]
1.14	0.06			Tahiti-nui	Society	K/Ar	[6, 71]
1.22	0.06			Tahiti-nui	Society	K/Ar	[6, 71]
1.67	0.05	0.80	0.05	Tahiti-nui	Society	K/Ar	[74]
0.73	0.03			Tahiti-nui	Society	K/Ar	[74]

		1.12	0.03			Tahiti-nui	Society	K/Ar	[74]
		0.96	0.04			Tahiti-nui	Society	K/Ar	[74]
		0.99	0.02			Tahiti-nui	Society	K/Ar	[74]
		0.92	0.06			Tahiti-nui	Society	K/Ar	[74]
		1.27	0.12			Tahiti-nui	Society	K/Ar	[74]
		1.09	0.05			Tahiti-nui	Society	K/Ar	[74]
		0.76	0.05			Tahiti-nui	Society	K/Ar	[74]
		0.49	0.02			Tahiti-nui	Society	K/Ar	[74]
		0.52	0.02			Tahiti-nui	Society	K/Ar	[74]
		0.52	0.01			Tahiti-nui	Society	K/Ar	[74]
		0.51	0.07			Tahiti-nui	Society	K/Ar	[74]
		0.37	0.07			Tahiti-nui	Society	K/Ar	[74]
		0.25	0.02			Tahiti-nui	Society	K/Ar	[74]
		0.78	0.01			Tahiti-nui	Society	K/Ar	[74]
		0.65	0.08			Tahiti-nui	Society	K/Ar	[74]
		0.89	0.07			Tahiti-nui	Society	K/Ar	[74]
		0.82	0.03			Tahiti-nui	Society	K/Ar	[74]
		0.67	0.03			Tahiti-nui	Society	K/Ar	[74]
		1.19	0.02	1.17	0.05	Tahiti-nui	Society	K/Ar	[75]
		1.08	0.02			Tahiti-nui	Society	K/Ar	[75]
		1.01	0.05			Tahiti-nui	Society	K/Ar	[75]
		1.09	0.02			Tahiti-nui	Society	K/Ar	[75]
		1.11	0.03			Tahiti-nui	Society	K/Ar	[75]
		1.05	0.02			Tahiti-nui	Society	K/Ar	[75]
		1.00	0.02			Tahiti-nui	Society	K/Ar	[75]
		1.04	0.02			Tahiti-nui	Society	K/Ar	[75]
		0.96	0.02			Tahiti-nui	Society	K/Ar	[75]
		0.92	0.02			Tahiti-nui	Society	K/Ar	[75]
		0.78	0.01			Tahiti-nui	Society	K/Ar	[75]
		0.62	0.02			Tahiti-nui	Society	K/Ar	[75]
210.50	-17.50	1.14	0.34	2.38	0.43	Tahiti-nui (submarine)	Society	K/Ar	[6]
		2.80	0.42			Tahiti-nui (submarine)	Society	K/Ar	[6]
		1.57	0.24			Tahiti-nui (submarine)	Society	K/Ar	[6]
		2.73	0.41			Tahiti-nui (submarine)	Society	K/Ar	[6]
		3.68	0.55			Tahiti-nui (submarine)	Society	K/Ar	[6]
211.16	-17.52	0.19	0.03	0.23	0.03	Teahitia	Society	K/Ar	[73]
		0.38	0.01			Teahitia	Society	K/Ar	[73]
		0.12	0.03			Teahitia	Society	K/Ar	[73]
		0.05	0.01			Teahitia	Society	K/Ar	[73]
208.20	-16.25	3.62	0.18	3.66	0.18	Tupai	Society	K/Ar	[6, 71]

		3.70	0.18			Tupai	Society	K/Ar	[6, 71]
208.50	-19.25	35.90	0.50	35.90	0.50	Ari'i Moana	Tarava	K/Ar	[76]
205.90	-18.95	43.50	0.60	43.50	0.60	Fafa Piti	Tarava	K/Ar	[76]
211.00	-15.00	47.40	0.90	47.40	0.90	RD52-1	Tuamotu	Ar/Ar	[39]
		41.80	0.90	41.80	0.90	RD52-2	Tuamotu	Ar/Ar	[39]
		25.10	0.40	25.10	0.40	RD52-2	Tuamotu	K/Ar	[39]
179.50	33.20	87.60	0.70	88.93	0.58	DM23-1922	Wentworth	Ar/Ar - TF	[61]
		86.90	0.50			DM23-1922	Wentworth	Ar/Ar - TF	[61]
		91.70	0.60			DM23-1922	Wentworth	Ar/Ar - TF	[61]
		89.50	0.50			DM23-1922	Wentworth	Ar/Ar - TF	[61]
		89.40	3.10	91.10	2.47	DM23-1922	Wentworth	Ar/Ar - IH	[61]
		87.00	0.60			DM23-1922	Wentworth	Ar/Ar - IH	[61]
		91.70	0.70			DM23-1922	Wentworth	Ar/Ar - IH	[61]
		96.30	5.70			DM23-1922	Wentworth	Ar/Ar - IH	[61]
182.15	26.50	74.00		74.00		KK71-20-8	Wentworth	K/Ar	[77]
		85.30	0.50	85.35	0.50	KK71-20-8	Wentworth	Ar/Ar - TF	[61]
		85.40	0.50			KK71-20-8	Wentworth	Ar/Ar - TF	[61]
		86.90	2.80	86.35	1.79	KK71-20-8	Wentworth	Ar/Ar - IH	[61]
		85.80	0.80			KK71-20-8	Wentworth	Ar/Ar - IH	[61]
180.25	31.10	77.00		77.00		KK71-65-24	Wentworth	K/Ar	[77]
		93.70	0.60	94.40	0.55	KK71-65-24	Wentworth	Ar/Ar - TF	[61]
		95.10	0.50			KK71-65-24	Wentworth	Ar/Ar - TF	[61]
		93.40	0.60	94.10	0.90	KK71-65-24	Wentworth	Ar/Ar - IH	[61]
		94.80	1.20			KK71-65-24	Wentworth	Ar/Ar - IH	[61]
182.20	28.80	71.00		71.00		WENTWORTH	Wentworth	K/Ar	[32]
		75.23	0.40	75.23	0.40	WENTWORTH	Wentworth	Ar/Ar - IH	[61]
		85.88	0.45	85.88	0.45	WENTWORTH	Wentworth	Ar/Ar - IH	[61]

Here come some specific remarks:

1. Alaska seamounts

On this chain, ages come from 3 papers.

- we computed the average for ages obtained by Desonie and Duncan [12].
- we kept the best ages assumed by Dalrympleal. [14]. They used $^{40}\text{Ar}/^{39}\text{Ar}$ total fusion, conventional K/Ar and $^{40}\text{Ar}/^{39}\text{Ar}$ incremental heating experiments for 5 seamounts, and calculated a best age.
- we kept the best ages assumed by Turneral. [13]. They presented 11 new samples and used new decay constants on previously dated samples presented in a paper of 1973 [78]. In our table, only their reliable dating are reported.

2. Austral islands

When several papers refer to the same island, we calculated an average age corresponding to each paper.

- Duncan and McDougall [7] used the K/Ar method on whole-rock samples. We took the average for each island, non reliable ages (according to them) being excluded.
- Turner and Jarrard [9] used the same method. According to them, no age is reliable for Rimatara, despite 4 calculated ages of 4.78, 14.40, 21.20, and 28.6. For Rurutu, they dated only the most recent volcanic stage after 1 Ma.
- Matsudaal. [10] used the same method on samples from Rurutu. They evidenced 2 volcanic stages in Rurutu, as Duncan and McDougall [7].
- For Rapa island, Krummenacher [8] used K/Ar dating in 1966 but with ages of 147 and 156 Ma found for Tahiti island, his results seem questionable and were not used. 8 ages of good quality obtained by Diraison [71] using K/Ar method were thus considered, leading to an average age of 4.5 Ma.

For Macdonald, Marotiri, Raivavae, Tubuai and Rurutu, other ages can be found in [6]. They are in good agreement with previous published ages.

We are also presenting a set of new K/Ar ages obtained on deep sea samples dredged in 1999 on several seamounts of the Cook-Austral volcanic chains [3].

3. Cook islands

Turner and Jarrard [9] used the K/Ar method on whole-rock samples. We did not report minimum values but only reliable ages (according to them), except for Mauke, all group around 5.5 Ma.

4. Caroline islands

All existing data are presented in a paper by Keatingal. [11]. They proposed 24 acceptable ages, according to them, obtained by K/Ar method. We only report their weighted mean for each islet or island.

5. Easter chain

Easter chain is mainly on the Nazca plate, from Easter microplate to Nazca Ridge, but it also contains a seamount chain on the Pacific plate. First ages concerning the Easter volcanic chain on the Nazca plate are from Bonatti [16]. K/Ar technique is used on small whole-rock samples. Recent samples dredged by the R/V Sonne have been dated by O'Connoral. [15]. They used incremental heating experiments on separated and cleaned plagioclases.

6. Geologist seamounts or South Hawaiian seamounts

4 radiometric ages (total fusion dating) are presented in Sager and Pringle [18]. Other ages in our table originate from Dymond [19].

7. Musician seamounts

Pringle [54] used several methods, including conventional K/Ar, Ar/Ar total fusion on individual feldspar, Ar/Ar total fusion on whole-rock and Ar/Ar incremental heating experiments. In our table, we only indicate their best age for each seamount.

8. Hawaiian-Emperor chain

We have used a synthesis of ages made by Clague and Dalrymple [79]. They summarized K/Ar geochronology along the chain, and converted all data to the new constants. True references for each age are used in the table.

9. Western Pacific seamounts: Japanese, Marcus Wake and Mid-Pacific Mountains seamounts

These 3 seamount groups are usually simultaneously considered. When several studies concerned the same seamounts, we selected the most recent one. Winterer [35] got 11 whole-rock incremental heating ages for the Japanese, Marcus-Wake and Mid-Pacific Mountains seamounts. We report here their best ages which correspond to plateau ages except one with no plateau where he calculated the total fusion age. A summary of ages obtained by the University of Tokyo from the western Pacific ocean present 13 radiometric ages on dredged samples [33]. We report only ages that complete Winterer's synthesis. For Lamont seamount their result confirm the oldest age proposed by Winterer. A geomorphologic study of these seamounts is done in Waasbergen and Winterer [80], and they present a synthesis of ages based on Ozima's paper [36] (also in [33]) and some personal communications from Duncan (1990).

DSDPreports present coring records of DSDPdrills, and the oldest sediments are usually just over the volcanic basement, and thus provide interesting information. A synthesis of western Pacific guyots ages is presented in Heezenal. [81]: they used dredged sample and foraminifers and give an age estimate for Murray, Renard, Cape Johnson, Shepard, Jacqueline, Menard, Wilde, Miami, Lamont, Scripps, and Makarov guyots.

10. Line islands

Geochronology of the Line Islands is resumed in a paper by Schlangeral. [39]. We only report their Ar/Ar ages because K-Ar ages on the same samples are significantly lower.

11. Louisville ridge

Except Osborne seamount dated by Ozimaal. [34], all the ages come from Wattsal. [42], including a small 0.5 My old seamount used to relocate the Louisville hotspot.

12. Marquesas islands

The most recent ages have been proposed by Desonieal. [46]. They used K/Ar, Ar/Ar total fusion and incremental heating experiments and we took an average of their values. For Nuku Hiva, Ua Huka, Hiva Oa and Tahuata, we report Duncan and McDougall's datings [48]. In addition, unpublished data exist for Ua Pou, Eiao and Motane in Diraison 's Ph. D. thesis (p147) [6].

13. Marshall islands

Present names of atolls and guyots have to be precisely known and we used the list established by Lincolnal. [50] that the following new names (resp. old names): Anewetak (Enewetak), Pikinni (Bikini); Wodejebato (Sylviana), Woden-kopakut (Ratak), Lokkworkwor (Erikub), Limalok (Harrie), Lomjenaelik (von Valtier). Whole-rock Ar/Ar total fusion and incremental heating ages where determined by Davisal. [51] for Ratak and Erikub. We only report their preferred ages. Himu and Hemler seamounts were dredged during a R/V Conrad cruise, and Smithal. [43] used Ar/Ar total fusion analysis over phenocryst phases to establish ages. Lincolnal. [50] report previous ages from Schlanger [82] and dated new samples by Ar/Ar method: whole rocks were analyzed by incremental heating method, and minerals by Ar/Ar total fusion. The isochron age is generally their preferred result.

14. Gambier-Pitcairn islands

K/Ar dating of Gambier-Pitcairn alignment were all done by the same laboratory on microcrystalline samples. For Fangataufa, we only report aerial volcanic ages [55], for

Gambier island, only the mean value on each islet [56], and for Moruroa (old writing: Mururoa) three ages from the same bore hole [56].

15. Samoa islands

Matsudaal. [10] used the K/Ar method on whole-rock samples from Upolu. K/Ar and Ar/Ar total fusion age determinations for dredged samples were completed by Duncan [68]. Tutuila and Upolu island aerial samples were dated by Natland and Turner [70] using a K/Ar method.

16. Society islands

As many dating exist on Society islands, we choose to report the mean value of each author for each island. Duncan and McDougall [7] made the first systematic geochronologic study. They dated whole-rock samples by the K/Ar method. New K/Ar dating from Duncanal [74] were processed on Tahiti samples. On Tupai atoll, a block of volcanic rock had been lifted by 1983 hurricane. It has been dated by Diraison. [71] by the K/Ar method. In this paper, they also speak of unpublished ages from Duncan for Meetia (old writing: Mehetia) island, between 0.26 Ma and present. The 0 age of Meetia (old writing: Mehetia) is deduced from a 3000 year old coral reef overlain by young lava flows [72].

17. Tuamotu islands

Only one dredge hauled up volcanic samples. It has been dated by Schlangeral. [39] using Ar/Ar total fusion method. They also made K-Ar age determinations which are lower than TF determinations. Other ages are minimum ages given by sediment analysis, including DSDP318 which did not reach the volcanic basement.

18. Wentworth chain

Pringle and Dalrymple [61] used previously K/Ar dated samples (by Clague and Dalrymple [32] and Garciaal. [77]) to determine Ar/Ar ages for 4 seamounts of the Wentworth chain, south of the Hawaiian Ridge. They calculated a reliable best age for each of them, except for Wentworth seamount where they only got a minimum age of 85 Ma. They used Ar/Ar total fusion over whole-rock or over mineral separates, and calculated isochron ages and plateau ages. We report their best estimated ages.

19. Oceanic Plateau and volcanic basins

Hess Rise: volcanic basement has been reached in sites 464, 465, and 466 during DSDPleg 62. The first analysis come from Vallieral. [83] from interpretation of sequences of carbonate sediments. They proposed that volcanic activity ended early Albian in the north (site 464, ~110 Ma) and late Albian in the south (site 465-466, ~97 Ma). A radiometric age of sample 465 yielded disturbed age spectra [61]. Pringle and Dalrymple [61] proposed a 90-94 Ma minimum age for this sample.

Pigafetta Basin and East Mariana Basin: surveyed during the ODP leg 129, these basin have been dated by Castillo and Pringle [63], using Ar/Ar laser method on mineral separates for Pigafetta and whole-rock Ar/Ar incremental heating analysis for East Mariana.

Nauru basin: we report the age from interpretation of the DSDPsite 462 drill (e.g. [84]).

Ontong Java Plateau: age determinations have been made on DSDPsites 807, 803, 289 and on a sample of the basement of Malaita island [64]. Ar/Ar incremental heating methods were employed on whole-rock samples for sites 807,289 and Malaita. For site 803, we average the weighted mean age of 6 TF experiments on feldspar and the whole rock age.

Shatsky Rise: its formation has been estimated from a maximum age given by magnetic seafloor anomalies and a minimum age given by recovering sediment ages [65]. A K/Ar age of 51.8 Ma also exist [34], it is a minimum age.

Magellan Rise: DSDPsite 167 seems to be dated at 135 Ma (see [62]).

Mid-Pacific Mountains: this plateau is parallel to M4 (127.0 Ma) magnetic lineation (e.g. [85]), the DSDPsite 463 reached sediments from middle Barremian (~ 120 Ma) [85], and the western dated seamount, Heezen is 123 Ma old [35]. So, we used a 127 My age for the plateau itself.

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