Sedimentological characteristics and new detrital zircon SHRIMP U–Pb ages of the Babulu Formation in the Fohorem area, Timor-Leste

C. W. KWON¹, S. W. KIM^{1,*}, S.-I. PARK¹, J. PARK², J.-H. OH¹, B. C. KIM¹, H. J. KOH¹ AND D.-L. CHO¹

¹Korea Institute of Geoscience and Mineral Resources, Daejeon 305-350, Republic of Korea

²Earth and Environmental Sciences, Korea University, Seoul 136-701, Republic of Korea

*Corresponding author; email: sungwon@kigam.re.kr

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Appendix I Concordia plot of SHRIMP U–Pb isotopic analysis of zircon from Early Permian trachyandesite in the Maubisse Formation.

Appendix II SHRIMP U–Pb data of detrital zircons from sedimentary rocks of the Babulu Formation in the Fohorem area.

Appendix I Concordia plot of SHRIMP U–Pb isotopic analysis of zircon from Early Permian trachyandesite in the Maubisse Formation.

Appendix II. SHRIMP U-Pb data of detrital zircons from sedimentary rocks of the Babulu Formation in the Fohorem area.

Grain spot	Pb ⁺ (ppm)	U (ppm)	Th (ppm)	Th/U	²⁰⁶ Pb ⁺ / ²³⁸ U	± (%)	²⁰⁷ Pb ⁺ / ²⁰⁶ Pb	± (%)	Apparent ages (Ma)				Discordant (%)
									²⁰⁶ Pb/ ²³⁸ U	±	²⁰⁷ Pb/ ²⁰⁶ Pb	±	
BA21 Sandstone, Babulu Formation													
1.1	4.0	109	71	0.67	0.039982	2.5	0.007497	145.4	252.7	6.1	-	-	-
2.1	10.1	202	152	0.78	0.056448	1.2	0.028874	18.6	354.0	4.0	-	-	-
3.1	6.2	183	167	0.94	0.037350	2.2	0.015967	69.4	236.4	5.2	-	-	-
4.1	6.4	136	98	0.74	0.054183	1.4	0.038845	18.4	340.2	4.8	-	-	184
5.1	148.0	685	272	0.41	0.254835	0.7	0.104419	0.6	1463.4	9.1	1703.3	10.7	16
6.1	4.3	167	94	0.58	0.029194	1.5	0.027969	30.4	185.5	2.7	-	-	-
7.1	65.5	401	196	0.51	0.189842	0.8	0.077224	1.3	1120.5	8.3	1126.1	25.3	1
8.1	145.6	572	356	0.64	0.296759	1.3	0.105345	0.7	1675.2	19.9	1719.5	12.7	3
9.1	4.0	123	76	0.64	0.037103	3.7	0.030458	43.7	234.8	8.6	-	-	123
10.1	15.0	346	357	1.06	0.050033	0.9	0.049550	4.6	314.7	2.8	172.9	108.0	-84
11.1	67.7	244	174	0.74	0.320739	0.9	0.107402	0.8	1793.3	14.5	1755.0	15.0	-3
12.1	52.9	186	89	0.49	0.329304	1.0	0.110351	0.9	1835.0	16.5	1804.4	16.9	-2
13.1	201.6	740	148	0.21	0.316987	0.7	0.109704	0.4	1775.0	10.6	1793.7	7.8	1
14.1	11.2	195	93	0.49	0.066295	1.0	0.052221	4.2	413.8	4.1	294.1	95.7	-42
15.1	3.3	100	88	0.90	0.038701	1.5	0.049685	13.0	244.8	3.7	179.2	303.5	-37
16.1	3.1	92	69	0.77	0.039501	1.6	0.050276	12.9	249.7	3.8	206.7	299.5	-21
17.1	19.3	130	61	0.48	0.171018	1.2	0.069736	4.5	1017.7	11.8	919.7	93.1	-12
18.1	100.9	356	264	0.77	0.329560	0.9	0.112879	0.7	1836.3	13.6	1845.5	11.9	1
19.1	38.5	156	106	0.70	0.295774	1.2	0.126826	1.3	1670.3	17.5	2053.6	23.3	21
20.1	31.2	1134	855	0.78	0.032084	1.9	0.050561	4.7	203.6	3.7	219.8	108.5	8
21.1	11.1	219	168	0.79	0.058563	1.1	0.047245	6.6	366.9	3.9	60.6	156.4	-520
22.1	12.5	217	212	1.01	0.066432	1.8	0.047705	7.1	414.6	7.4	83.6	167.4	-409
23.1	6.0	147	112	0.79	0.047849	2.2	0.051360	9.7	301.3	6.4	256.0	222.5	-18
24.1	2.5	76	56	0.75	0.038136	2.1	0.040041	28.2	241.3	4.9	-	-	172
25.1	5.2	139	102	0.76	0.042416	1.5	0.031820	26.8	267.8	4.0	-	-	130
26.1	31.6	478	322	0.70	0.076766	1.4	0.054881	2.5	476.8	6.2	406.4	56.9	-18
27.1	4.5	147	110	0.77	0.035982	1.3	0.052536	9.1	227.9	2.9	307.8	208.3	26
28.1	2.0	52	24	0.49	0.044158	4.9	0.012708	159.3	278.6	13.4	-	-	-
29.1	6.4	141	87	0.64	0.051923	1.5	0.037768	17.6	326.3	4.7	-	-	169
30.1	12.9	402	497	1.28	0.037008	0.9	0.041588	7.4	234.3	2.1	-	-	196
32.1	13.1	325	90	0.29	0.046653	1.0	0.044829	7.5	293.9	2.8	-	-	558
33.1	9.4	211	139	0.68	0.051468	1.2	0.048304	5.7	323.5	3.7	113.1	135.5	-191
34.1	11.6	300	113	0.39	0.044453	1.1	0.039313	10.9	280.4	3.0	-	-	174
35.1	32.9	80	70	0.90	0.478288	1.6	0.163559	1.9	2519.8	33.4	2492.0	32.8	-1
36.1	10.8	203	150	0.76	0.061063	3.1	0.046337	13.8	382.1	11.6	14.1	331.7	-2691
38.1	4.6	132	126	0.98	0.039584	2.4	0.036959	23.0	250.3	5.9	-	-	148
39.1	11.4	182	109	0.62	0.073115	1.1	0.053271	7.2	454.9	5.0	339.4	163.6	-35
40.1	12.1	372	302	0.84	0.037792	1.6	0.044374	9.0	239.1	3.7	-	-	370
41.1	5.9	183	133	0.75	0.036661	1.4	0.035134	20.1	232.1	3.3	-	-	136
42.1	9.4	239	154	0.67	0.045432	1.1	0.045921	7.9	286.4	3.1	-	-	3953
43.1	7.6	224	119	0.55	0.039051	1.2	0.045986	10.6	246.9	3.0	-	-	6110
45.1	10.0	280	153	0.56	0.041738	1.1	0.050215	6.9	263.6	2.9	203.9	161.2	-30
46.1	14.6	371	302	0.84	0.045954	1.0	0.048124	6.7	289.6	2.9	104.3	157.5	-182
47.1	17.6	396	242	0.63	0.051401	1.0	0.046752	6.9	323.1	3.1	35.5	165.7	-830
48.1	7.2	212	211	1.03	0.038660	1.6	0.032129	26.0	244.5	3.7	-	-	128
49.1	7.7	220	147	0.69	0.039829	2.2	0.033253	21.6	251.8	5.4	-	-	132
50.1	28.9	716	361	0.52	0.046461	1.4	0.043888	5.2	292.8	4.0	-	-	356
51.1	15.6	467	371	0.82	0.038883	1.0	0.048663	3.6	245.9	2.3	130.6	83.7	-90
52.1	14.0	405	511	1.30	0.040231	2.0	0.052257	4.9	254.3	5.0	295.7	111.3	14
53.1	41.5	860	609	0.73	0.056192	0.7	0.053727	2.3	352.4	2.5	358.6	50.8	2
54.1	28.4	401	241	0.62	0.082300	1.0	0.054947	3.3	509.8	4.7	409.1	74.3	-26
55.1	57.7	241	231	0.99	0.277098	1.2	0.095270	2.5	1576.7	16.1	1532.6	46.7	-3
56.1	130.9	538	226	0.43	0.280634	0.8	0.096952	0.8	1594.6	11.8	1565.4	14.7	-2
57.1	19.0	471	312	0.68	0.046972	1.7	0.051792	4.0	295.9	4.9	275.2	92.1	-8
58.1	6.9	177	104	0.61	0.042700	1.9	0.006465	189.8	269.5	5.1	-	-	-
59.1	25.1	579	380	0.68	0.050198	1.4	0.047849	5.0	315.7	4.2	90.7	119.0	-254
BA12Sandstone, Babulu Formation													
1.1	22.5	294.5	233.0	0.82	0.088471	1.339467	0.047954	10.4	546.5	7.0	95.9	246.9	-490
2.1	8.1	239.7	134.7	0.58	0.039292	1.488135	0.041458	17.7	248.4	3.6	-	-	199
3.1	11.9	326.5	197.1	0.62	0.041851	1.337632	0.037825	16.9	264.3	3.5	-	-	156
4.1	4.3	127.4	90.9	0.74	0.036272	2.318015	0.011127	91.3	229.7	5.2	-	-	-
5.1	4.1	103.5	51.5	0.51	0.045272	2.087910	0.032485	35.7	285.4	5.8	-	-	134
6.1	3.3	98.3	60.6	0.64	0.036012	3.034514	0.012828	111.3	228.1	6.8	-	-	-
7.1	14.7	87.1	69.5	0.82	0.199012	1.815783	0.088742	4.4	1170.0	19.4	1397.7	83.5	18
8.1	10.0	126.6	62.7	0.51	0.092091	3.044864	0.060208	5.7	567.9	16.6	610.1	124.2	7
9.1	9.8	219.7	152.6	0.72	0.052032	1.284259	0.051649	7.2	327.0	4.1	268.9	164.7	-22
10.1	10.5	320.7	217.6	0.70	0.037283	1.200954	0.029628	19.7	236.0	2.8	-	-	-
11.1	3.6	112.6	29.6	0.27	0.036035	2.208649	0.030045	47.5	228.2	5.0	-	-	122

Appendix II. continued

Grain spot	Pb ⁺ (ppm)	U (ppm)	Th (ppm)	Th/U	²⁰⁶ Pb ⁺ / ²³⁸ U	± (%)	²⁰⁷ Pb ⁺ / ²⁰⁶ Pb	± (%)	Apparent ages (Ma)				Discordant (%)	
									²⁰⁶ Pb/ ²³⁸ U	±	²⁰⁷ Pb/ ²⁰⁶ Pb	±		
BA12 Sandstone, Babulu Formation														
12.1	8.3	233.7	175.5	0.78	0.039679	1.5	0.018161	49.6	250.8	3.8	-	-	-	
13.1	19.0	521.8	402.8	0.80	0.042302	1.5	0.048529	5.9	267.1	3.9	124.1	140.1	-118	
14.1	8.6	102.9	86.5	0.87	0.096215	1.8	0.046554	12.8	592.2	9.9	25.3	307.3	-2342	
15.1	10.1	217.4	149.3	0.71	0.053733	1.9	0.045119	8.3	337.4	6.1	-	-	791	
16.1	21.2	87.3	86.3	1.02	0.280196	1.8	0.090189	3.7	1592.4	24.9	1428.7	71.4	-13	
17.1	14.7	364.1	205.9	0.58	0.046649	1.1	0.042451	10.6	293.9	3.2	-	-	252	
18.1	7.9	191.9	183.3	0.99	0.045926	1.7	0.017798	54.6	289.5	4.7	-	-	-	
19.1	19.1	410.4	670.1	1.69	0.054060	0.9	0.050601	4.6	339.4	3.1	221.6	105.8	-55	
20.1	15.8	400.9	304.0	0.78	0.046087	1.5	0.051885	5.3	290.5	4.2	279.3	120.6	-4	
21.1	15.1	571.5	645.9	1.17	0.030664	1.5	0.046491	6.9	194.7	2.8	22.1	164.8	-795	
22.1	17.5	402.5	268.2	0.69	0.049700	1.8	0.037718	11.7	312.7	5.4	-	-	166	
23.1	7.2	228.1	159.8	0.72	0.036903	1.9	0.054897	3.9	233.6	4.4	407.0	87.0	43	
24.1	8.2	256.5	139.9	0.56	0.036743	2.4	0.034244	18.2	232.6	5.6	-	-	133	
25.1	15.2	428.3	456.7	1.10	0.041488	1.5	0.050607	5.0	262.0	3.9	221.9	115.9	-18	
26.1	26.6	344.6	315.5	0.95	0.089543	1.1	0.051814	5.1	552.8	5.9	276.2	115.9	-105	
27.1	45.4	518.8	260.5	0.52	0.101837	0.9	0.058171	2.5	625.2	5.1	535.2	55.8	-18	
28.1	19.6	494.4	220.4	0.46	0.045922	0.9	0.046442	6.1	289.4	2.6	19.6	145.6	-1410	
30.1	23.8	518.5	471.4	0.94	0.053480	1.5	0.050658	3.9	335.9	5.0	224.2	89.9	-51	
31.1	81.9	337.7	293.3	0.90	0.282584	1.0	0.096692	1.0	1604.4	14.3	1560.4	19.3	-3	
32.1	19.3	468.7	790.5	1.74	0.048090	0.9	0.053876	4.3	302.8	2.7	364.9	96.1	17	
33.1	15.3	194.1	91.9	0.49	0.091149	1.3	0.050181	7.6	562.3	7.0	202.3	175.8	-186	
34.1	93.1	376.9	74.3	0.20	0.287456	1.0	0.096240	1.1	1628.8	14.2	1551.6	20.9	-6	
35.1	48.0	1150.0	556.4	0.50	0.048540	0.7	0.049319	4.8	305.6	2.2	162.0	112.5	-91	
36.1	9.5	270.6	168.0	0.64	0.040408	1.3	0.040354	14.3	255.4	3.2	-	-	181	
38.1	58.7	210.1	90.3	0.44	0.326757	1.2	0.112683	1.3	1822.6	18.9	1842.3	23.3	1	
39.1	59.3	708.2	13.9	0.02	0.097678	0.8	0.058338	1.9	600.8	4.5	541.5	41.8	-11	
40.1	28.6	1130.4	1286.2	1.18	0.030043	1.0	0.063057	9.3	190.8	1.9	709.2	198.5	74	
41.1	38.3	166.7	121.8	0.75	0.272988	1.3	0.110783	1.5	1556.0	18.0	1811.5	28.0	16	
42.1	8.3	231.2	142.8	0.64	0.040508	3.0	0.025982	47.6	256.0	7.5	-	-	-	
43.1	21.1	616.4	385.7	0.65	0.039731	0.9	0.045296	6.0	251.2	2.1	-	-	730	
44.1	31.5	682.4	491.9	0.74	0.053389	0.8	0.046818	3.7	335.3	2.6	38.9	88.9	-782	
45.1	248.8	929.6	483.6	0.54	0.312782	0.7	0.109856	0.5	1754.4	11.1	1796.2	9.7	3	
47.1	209.6	773.8	309.9	0.41	0.317023	0.8	0.112469	0.6	1775.2	11.7	1838.9	10.6	4	
48.1	96.6	718.9	287.0	0.41	0.155436	0.8	0.070360	1.2	931.4	6.6	938.0	24.5	1	
49.1	249.6	1040.2	108.8	0.11	0.279428	1.0	0.097172	0.5	1588.5	14.1	1569.7	10.0	-1	
50.1	15.5	371.3	184.4	0.51	0.047991	1.7	0.040155	10.2	302.2	5.1	-	-	193	
51.1	84.4	301.2	156.4	0.54	0.324741	1.0	0.105706	1.0	1812.8	16.3	1725.8	17.9	-6	
52.1	20.3	454.6	397.5	0.90	0.051874	0.9	0.051679	4.0	326.0	2.9	270.2	92.8	-21	
53.1	35.6	197.3	138.3	0.72	0.215145	1.2	0.099851	1.8	1256.2	13.9	1620.5	33.7	25	
54.1	59.2	208.8	100.1	0.50	0.328143	1.2	0.106709	1.5	1829.4	19.2	1743.1	26.7	-6	
55.1	24.5	582.9	353.9	0.63	0.048831	1.7	0.050005	3.8	307.3	5.0	194.2	87.8	-60	
56.1	8.4	160.5	196.4	1.26	0.059225	2.6	0.032045	29.3	370.9	9.5	-	-	143	
57.1	6.0	232.3	184.1	0.82	0.027938	2.1	0.004242	318.1	177.6	3.7	-	-	-	
58.1	28.9	475.1	239.8	0.52	0.070538	0.9	0.050417	5.6	439.4	3.9	213.2	130.8	-110	
BA6 Sandstone, Babulu Formation														
1.1	2.42	76	59	0.80	0.035691	2.3	0.017755	82.5	226.1	5.2	-	-	-	
2.1	67.05	324	188	0.60	0.242373	1.6	0.094629	2.2	1399.0	20.4	1519.9	40.9	9	
3.1	18.09	286	217	0.78	0.073476	1.6	0.054917	2.0	457.1	6.9	407.8	45.4	-13	
4.1	9.09	252	187	0.77	0.041686	1.1	0.045479	5.8	263.3	2.7	-	-	969	
5.1	54.22	740	322	0.45	0.086164	2.3	0.065875	3.8	532.8	11.7	801.5	79.8	35	
6.1	5.86	104	64	0.64	0.065315	1.4	0.052841	7.0	407.9	5.4	320.9	158.7	-28	
7.1	44.80	226	449	2.06	0.259519	1.2	0.179129	1.5	1487.4	16.3	2644.1	25.4	49	
8.1	114.81	451	146	0.33	0.296702	1.0	0.104151	0.8	1674.9	14.3	1698.6	14.6	2	
9.1	14.45	192	33	0.18	0.087789	1.8	0.061736	2.7	542.4	9.4	664.0	58.8	19	
10.1	24.04	188	107	0.59	0.148470	1.1	0.067720	1.9	892.4	9.3	859.0	38.7	-4	
11.1	6.60	208	184	0.91	0.036000	1.5	0.032066	24.9	228.0	3.3	-	-	126	
12.1	66.85	832	169	0.21	0.093575	0.8	0.059148	0.9	576.6	4.5	571.6	20.6	-1	
13.1	58.02	609	178	0.30	0.111757	0.9	0.068401	0.8	682.9	5.5	879.8	17.6	24	
14.1	49.11	552	69	0.13	0.103174	0.9	0.058219	1.7	633.0	5.4	537.0	37.7	-19	
15.1	42.39	282	136	0.50	0.174198	1.0	0.071490	1.1	1035.2	9.4	970.6	22.1	-7	
16.1	8.98	199	185	0.96	0.052319	1.4	0.048869	13.9	328.7	4.4	140.5	326.3	-137	
17.1	30.01	645	259	0.41	0.054077	0.8	0.052404	3.7	339.5	2.7	302.0	83.2	-13	
18.1	34.92	177	117	0.68	0.230871	3.2	0.090725	3.2	1339.1	38.2	1440.0	60.3	8	
19.1	12.06	63	13	0.21	0.247124	3.3	0.162977	1.3	1423.6	41.7	2486.0	21.5	47	
20.1	81.21	818	245	0.31	0.114959	1.4	0.058588	1.5	701.5	9.2	550.8	32.9	-29	
21.1	181.35	709	18	0.03	0.294827	4.0	0.094790	3.3	1665.6	58.5	1523.1	61.9	-11	
22.1	8.53	251	168	0.69	0.039170	1.9	0.042331	19.1	247.7	4.7	-	-	223	
23.1	10.02	310	294	0.98	0.037622	1.0	0.051316	5.5	238.1	2.3	254.0	127.3	6	

Appendix II. continued

Grain spot	Pb ⁺ (ppm)	U (ppm)	Th (ppm)	Th/U	²⁰⁶ Pb ⁺ / ²³⁸ U	± (%)	²⁰⁷ Pb ⁺ / ²⁰⁶ Pb	± (%)	Apparent ages (Ma)				Discordant (%)
									²⁰⁶ Pb/ ²³⁸ U	±	²⁰⁷ Pb/ ²⁰⁶ Pb	±	
BA6 Sandstone, Babulu Formation													
24.1	8.36	33	14	0.44	0.291988	2.3	0.093300	6.0	1651.5	33.1	1493.1	114.1	-12
25.1	11.56	254	269	1.09	0.053100	1.0	0.056160	4.9	333.5	3.4	457.7	108.0	28
26.1	36.99	82	41	0.51	0.525056	1.5	0.187680	0.7	2720.6	33.1	2721.2	11.4	0
27.1	7.95	229	148	0.67	0.040383	1.0	0.051534	4.1	255.2	2.6	263.8	94.2	3
28.1	21.59	313	204	0.67	0.080185	1.0	0.056926	2.4	497.2	4.6	487.7	52.7	-2
29.1	13.90	231	85	0.38	0.070769	1.1	0.062954	4.2	440.8	4.5	705.7	90.2	39
30.1	45.06	160	72	0.47	0.328239	1.2	0.111296	1.4	1829.8	18.8	1819.9	25.6	-1
31.1	17.95	396	191	0.50	0.052905	1.5	0.054507	2.7	332.3	4.8	391.1	60.1	15
32.1	74.01	453	198	0.45	0.193651	0.9	0.091509	0.8	1141.1	9.2	1456.4	14.9	24
33.1	27.40	329	12	0.04	0.097085	1.0	0.060603	2.7	597.3	5.6	624.2	57.3	5
34.1	34.25	272	14	0.05	0.149926	1.0	0.086734	1.3	900.5	8.4	1353.7	24.8	36
35.1	32.31	499	64	0.13	0.075491	0.9	0.057264	1.4	469.2	4.1	500.7	31.9	7
36.1	2.68	78	58	0.77	0.040245	1.8	0.056681	12.8	254.3	4.5	478.2	282.6	48
37.1	116.43	459	45	0.10	0.295854	0.9	0.104908	1.1	1670.7	13.0	1711.9	19.7	3
38.1	5.05	160	100	0.64	0.036494	1.3	0.046868	14.0	231.1	3.0	41.4	335.1	-466
39.1	185.34	612	159	0.27	0.360260	0.8	0.137751	0.5	1983.4	14.4	2198.3	8.6	11
40.1	79.47	264	179	0.70	0.348467	1.0	0.114765	0.6	1927.3	16.9	1875.4	11.2	-3
41.1	18.45	709	619	0.90	0.030326	0.9	0.050696	6.6	192.6	1.7	226.0	152.8	15
42.1	39.42	148	95	0.66	0.309872	1.2	0.106686	1.0	1740.1	18.7	1742.7	17.5	0
43.1	13.11	159	7	0.05	0.096148	1.2	0.059215	2.3	591.8	6.8	574.0	49.4	-3
44.1	4.51	132	138	1.08	0.039453	1.3	0.046015	8.9	249.4	3.3	-	-	9677
45.1	13.86	370	225	0.63	0.043735	0.9	0.054329	3.5	275.9	2.5	383.7	78.8	29
46.1	25.51	311	770	2.56	0.095576	1.0	0.059448	1.9	588.4	5.5	582.5	41.2	-1
47.1	21.63	548	144	0.27	0.045971	0.9	0.052921	2.2	289.7	2.4	324.4	49.0	11
48.1	13.82	219	147	0.69	0.073580	1.1	0.057488	2.6	457.7	4.9	509.3	58.0	11
49.1	11.44	336	382	1.17	0.039822	1.0	0.054079	2.1	251.7	2.4	373.3	48.0	33
50.1	6.84	198	115	0.60	0.039642	1.4	0.038509	15.7	250.6	3.3	-	-	159
51.1	36.30	762	513	0.70	0.055506	0.8	0.054168	1.5	348.2	2.7	377.0	34.5	8
52.1	159.19	628	221	0.36	0.295190	0.9	0.102407	0.8	1667.4	13.0	1667.4	14.7	0
53.1	6.48	180	83	0.47	0.041966	1.4	0.053537	13.3	265.0	3.6	350.6	301.7	25
54.1	9.46	252	146	0.60	0.043474	1.1	0.046786	6.7	274.3	3.0	37.2	159.4	-650
55.1	52.17	1013	141	0.14	0.060069	0.8	0.055662	1.7	376.0	2.8	437.9	37.2	15
56.1	2.48	72	41	0.58	0.038984	3.5	0.029592	43.3	246.5	8.5	-	-	-
57.1	16.12	315	284	0.93	0.059369	1.0	0.052043	4.3	371.8	3.7	286.3	98.5	-31
58.1	3.72	107	167	1.60	0.039114	1.7	0.027073	41.4	247.3	4.2	-	-	-
59.1	86.56	344	96	0.29	0.296146	1.0	0.112024	0.7	1672.2	14.3	1831.7	13.1	10
60.1	8.52	216	113	0.54	0.046023	2.5	0.055067	27.7	290.1	7.1	413.9	619.4	31
B13 Sandstone, Bobonaro Mélange													
1.1	5	97	27	0.29	0.06268503	0.9	0.05485475	2.2	391.9	3.4	405.3	48.8	3
2.1	5	89	34	0.40	0.06386981	0.9	0.05363717	3.4	399.1	3.5	354.8	76.5	-13
3.1	5	116	68	0.60	0.05042806	1.6	0.05125843	2.2	317.1	4.8	251.4	50.1	-27
4.1	2	63	28	0.45	0.0377215	1.1	0.05091019	6.2	238.7	2.7	235.7	142.3	-1
5.1	27	427	22	0.05	0.0730148	0.7	0.05700539	1.1	454.3	3.1	490.7	24.3	8
6.1	1	28	20	0.72	0.0371975	1.4	0.05871445	5.1	235.4	3.2	555.5	111.8	59
7.1	52	128	89	0.71	0.49290092	0.9	0.19734537	0.4	2583.2	18.1	2803.6	5.8	10
8.1	7	104	52	0.51	0.07486095	1.0	0.05686889	2.0	465.4	4.5	485.5	43.4	4
9.1	1	18	9	0.50	0.06620811	2.6	0.05533817	14.6	413.3	10.4	424.9	326.6	3
10.1	6	153	85	0.57	0.04898733	1.7	0.0507681	2.9	308.3	5.1	229.3	66.8	-35
12.1	8	154	84	0.56	0.0586234	1.7	0.05588392	2.6	367.2	6.1	446.8	57.3	18
11.1	15	230	170	0.76	0.07454064	1.7	0.05701786	1.2	463.5	7.4	491.2	26.1	6
13.1	5	38	22	0.61	0.16426274	3.0	0.08683365	2.7	980.4	27.7	1355.9	52.6	30
14.1	15	329	139	0.44	0.05182509	1.6	0.05471381	2.9	325.7	5.2	399.5	64.1	19
15.1	11	64	44	0.71	0.2015649	1.9	0.08081375	1.8	1183.7	20.4	1216.0	35.9	3
16.1	6	125	44	0.37	0.05423872	1.7	0.05136349	3.9	340.5	5.8	256.1	89.0	-34
17.1	3	96	70	0.75	0.0402773	1.8	0.05007656	5.7	254.6	4.5	197.5	131.9	-29
18.1	7	165	167	1.05	0.04841989	1.7	0.05449494	2.4	304.8	5.1	390.6	52.8	22
19.1	2	71	29	0.42	0.03865841	1.9	0.04382324	12.5	244.5	4.7	-	-	307
20.1	13	53	33	0.64	0.282361	2.0	0.09569328	1.4	1603.2	27.7	1540.9	25.9	-5
21.1	2	49	104	2.18	0.05242108	2.1	0.05528217	5.2	329.4	6.9	422.6	115.1	23
22.1	33	122	22	0.19	0.32097143	1.8	0.11431831	1.4	1794.5	27.6	1868.4	24.4	5
23.1	21	327	51	0.16	0.07513819	1.6	0.05592704	1.3	467.0	7.4	448.5	29.0	-4
24.1	20	274	258	0.97	0.08370695	1.7	0.05672691	1.4	518.2	8.3	479.9	30.8	-8
25.1	31	190	21	0.11	0.18723699	1.7	0.07360545	1.0	1106.4	17.3	1029.8	20.2	-8
26.1	23	124	43	0.36	0.2184192	1.8	0.07982624	1.1	1273.5	20.3	1191.8	22.4	-8
27.1	8	190	56	0.30	0.04641644	1.7	0.05058506	2.9	292.5	4.9	220.9	65.9	-33
28.1	5	139	120	0.89	0.04018448	1.8	0.05078683	4.2	254.0	4.4	230.1	97.7	-11
29.1	7	194	143	0.76	0.04041477	1.7	0.04832369	4.0	255.4	4.3	114.1	94.8	-126
30.1	7	61	16	0.27	0.13435638	1.9	0.06618737	3.1	812.7	14.8	811.4	65.7	0

Appendix II. continued

Appendix 11: Continued													
Grain spot	Pb (ppm)	U (ppm)	Th (ppm)	Th/U	$^{206}\text{Pb}/^{238}\text{U}$	± (%)	$^{207}\text{Pb}/^{206}\text{Pb}$	± (%)	Apparent ages (Ma)				Discordant (%)
									$^{206}\text{Pb}/^{238}\text{U}$	±	$^{207}\text{Pb}/^{206}\text{Pb}$	±	
<i>B13 Sandstone, Bobonaro Mélange</i>													
31.1	53	257	70	0.28	0.241457	1.7	0.100348	0.6	1394.3	21.0	1629.7	11.5	16
32.1	7	107	37	0.36	0.071642	1.8	0.055095	3.1	446.0	7.8	415.1	70.1	-8
33.1	2	46	29	0.65	0.039679	2.1	0.052749	12.7	250.8	5.2	317.0	289.7	21
34.1	10	167	171	1.06	0.067863	1.7	0.055983	3.7	423.3	7.1	450.7	82.1	6
35.1	5	101	61	0.62	0.054677	2.3	0.044937	6.8	343.2	7.8	-	-	688
36.1	44	165	18	0.11	0.317174	2.7	0.120996	1.3	1775.9	42.3	1970.2	22.9	11
37.1	2	56	46	0.84	0.045087	2.1	0.054371	8.3	284.3	5.7	385.5	187.3	27
38.1	10	286	597	2.16	0.040603	1.7	0.052058	2.0	256.6	4.2	286.9	46.0	11
39.1	12	196	3	0.02	0.073827	1.7	0.055816	2.2	459.2	7.6	444.1	50.0	-4
40.1	4	78	54	0.72	0.052468	1.9	0.051199	8.5	329.7	6.2	248.8	195.5	-33
41.1	17	294	68	0.24	0.066592	1.7	0.054786	1.7	415.6	6.8	402.5	38.2	-3
42.1	18	114	80	0.72	0.186984	1.8	0.072361	1.7	1105.0	18.5	995.2	35.3	-12
43.1	4	22	6	0.29	0.206579	2.0	0.077776	2.5	1210.6	22.4	1140.3	49.8	-7
44.1	27	96	67	0.72	0.326562	1.7	0.109203	1.4	1821.7	26.6	1785.3	26.0	-2
45.1	27	196	22	0.11	0.161087	1.8	0.074578	0.8	962.8	16.1	1056.3	15.6	10
46.1	3	86	70	0.84	0.044995	1.7	0.053241	2.9	283.7	4.8	338.1	66.1	16
47.1	45	166	69	0.43	0.314271	1.6	0.107593	0.5	1761.7	25.3	1758.2	9.1	0
48.1	6	107	34	0.33	0.063995	1.7	0.052212	4.4	399.9	6.7	293.7	101.6	-37
49.1	35	412	11	0.03	0.098507	1.8	0.059922	0.7	605.7	10.3	599.8	15.4	-1
50.1	2	58	55	0.99	0.040089	1.9	0.047647	8.5	253.4	4.7	80.7	202.7	-218
51.1	3	84	58	0.71	0.038155	1.8	0.043820	10.3	241.4	4.2	-	-	304
52.1	3	81	51	0.65	0.040349	2.2	0.054114	6.2	255.0	5.5	374.8	139.3	33
53.1	15	44	30	0.69	0.403717	2.3	0.163205	0.7	2186.1	42.9	2488.4	12.1	14
54.1	101	372	40	0.11	0.316437	1.7	0.107193	0.3	1772.3	26.3	1751.4	5.3	-1