Data Repository item 2001065

TABLE 1. ISOTOPIC RESULTS FOR LASER-FUSION ANALYSIS OF BOTH SINGLE- AND MULTIPLE-CRYSTAL SAMPLES

ID	$^{40}Ar/^{39}Ar$	$^{39}Ar_K$ (x 10^{-17} mol)	$^{40}Ar^*$ (%)	Age (Ma)	±1σ (Ma)	WM age (Ma)	WM ±2σ (Ma)	MSWD	Acceptable MSWD†
Cocama ash, single-crystal sanidine, *J* = 0.0007983, NM-82, Lab# = 8691									
02	15.70	2.51	26.6	6.0	3.5	-	-	-	-
07	6.296	23.5	93.5	8.46	0.33	-	-	-	-
05	6.410	23.4	96.0	8.84	0.35	8.63	0.48	0.60	yes
08	6.315	24.0	98.1	8.90	0.32	8.73	0.38	0.56	yes
01	6.509	24.9	98.1	9.17	0.37	8.82	0.34	0.70	yes
13	6.387	31.3	100.7	9.24	0.27	8.94	0.29	0.90	yes
14	6.552	9.82	98.9	9.31	0.91	8.95	0.29	0.78	yes
12	7.279	11.08	92.2	9.63	0.74	8.97	0.28	0.78	yes
15	7.273	9.2	93.0	9.7	1.0	8.99	0.28	0.75	yes
11	7.573	6.39	103.4	11.2	1.3	9.01	0.28	1.0	yes
03	11.37	30.9	95.5	15.57	0.27	10.33	0.25	46	no
09	11.44	27.1	98.9	16.22	0.29	11.25	0.23	74	no
04	13.94	3.07	85.8	17.1	2.6	11.26	0.23	69	no
10	159.2	42.4	99.3	214.3	1.0	14.08	0.22	3502	no
Piedras ash, single-crystal sanidine, *J* = 0.0007797, NM-93, Lab# = 9476									
35	2.488	7.70	77.2	2.70	0.58	-	-	-	-
30	2.581	8.81	74.5	2.70	0.57	-	-	-	-
31	2.354	11.4	81.9	2.71	0.43	2.71	0.59	0.000	no
06	2.553	21.0	84.2	3.0	1.9	2.71	0.59	0.009	no
05	2.462	18.5	101	3.5	2.2	2.73	0.58	0.039	no
08	2.527	23.1	102	3.6	1.7	2.75	0.57	0.089	no
04	2.614	16.7	99.0	3.6	2.5	2.77	0.57	0.10	no
32	2.303	18.4	113	3.65	0.25	3.26	0.38	0.85	yes
02	2.373	23.5	113	3.8	1.8	3.26	0.38	0.75	yes
03	2.715	17.5	98.9	3.8	2.4	3.27	0.38	0.67	yes
38	3.791	9.14	72.5	3.86	0.56	3.33	0.36	0.71	yes
07	3.468	17.6	81.9	4.0	2.2	3.33	0.35	0.65	yes
40	2.335	13.1	123	4.02	0.43	3.43	0.33	0.78	yes
34	2.332	15.1	123	4.04	0.30	3.57	0.29	0.96	yes
33	2.476	9.21	125	4.34	0.50	3.63	0.28	1.0	yes
36	2.335	11.4	133	4.35	0.40	3.71	0.26	1.2	yes
39	2.412	13.7	132	4.47	0.40	3.78	0.25	1.3	yes
01	3.594	18.4	92.8	4.7	2.3	3.78	0.25	1.2	yes
12	2.400	18.5	143	4.8	2.1	3.79	0.25	1.2	yes
37	2.658	7.81	145	5.40	0.63	3.85	0.24	1.5	yes
11	2.581	19.6	157	5.7	2.0	3.85	0.24	1.4	yes
14	2.448	20.1	172	5.9	2.0	3.86	0.24	1.4	yes
13	2.512	14.5	168	5.9	2.7	3.86	0.24	1.4	yes
09	2.889	11.5	167	6.8	3.3	3.87	0.24	1.3	yes
10	5.993	38.7	81.8	6.88	1.00	3.91	0.24	1.7	yes
15	2.631	12.4	195	7.2	3.3	3.92	0.24	1.6	yes

ID	$^{40}Ar/^{39}Ar$	$^{39}Ar_K$ (x 10^{-17} mol)	$^{40}Ar^*$ (%)	Age (Ma)	±1σ (Ma)	WM age (Ma)	WM ±2σ (Ma)	MSWD	Acceptable MSWD†
Piedras ash, single-crystal sanidine, *J* = 0.0007797, NM-93, Lab# = 9476 (assuming 100% radiogenic)									
32	2.303	18.4	100*	3.24	0.03	-	-	-	-
34	2.332	15.1	100*	3.28	0.04	-	-	-	-
40	2.335	13.1	100*	3.28	0.05	3.26	0.05	0.43	yes
36	2.335	11.4	100*	3.28	0.05	3.26	0.04	0.35	yes
31	2.354	11.4	100*	3.31	0.06	3.27	0.04	0.40	yes
02	2.373	23.5	100*	3.33	0.13	3.27	0.04	0.37	yes
12	2.400	18.5	100*	3.37	0.16	3.27	0.04	0.37	yes
39	2.412	13.7	100*	3.39	0.05	3.29	0.04	1.0	yes
14	2.448	20.1	100*	3.44	0.16	3.29	0.04	1.0	yes
05	2.462	18.5	100*	3.46	0.16	3.29	0.04	1.0	yes
33	2.476	9.21	100*	3.48	0.06	3.30	0.03	1.8	yes
35	2.488	7.70	100*	3.50	0.08	3.31	0.03	2.1	no
13	2.512	14.5	100*	3.53	0.21	3.31	0.03	2.0	no
08	2.527	23.1	100*	3.55	0.13	3.32	0.03	2.1	no
06	2.553	21.0	100*	3.59	0.14	3.32	0.03	2.2	no
11	2.581	19.6	100*	3.63	0.15	3.32	0.03	2.3	no
30	2.581	8.81	100*	3.63	0.08	3.34	0.03	3.1	no
04	2.613	16.7	100*	3.67	0.18	3.34	0.03	3.1	no
15	2.631	12.4	100*	3.70	0.26	3.34	0.03	3.1	no
37	2.658	7.81	100*	3.73	0.09	3.35	0.03	4.0	no
03	2.715	17.5	100*	3.82	0.18	3.36	0.03	4.1	no
09	2.889	11.5	100*	4.06	0.26	3.36	0.03	4.2	no
07	3.468	17.6	100*	4.87	0.19	3.37	0.03	7.1	no
01	3.594	18.4	100*	5.05	0.18	3.38	0.03	10	no
38	3.791	9.14	100*	5.32	0.08	3.45	0.03	33	no
10	5.993	38.7	100*	8.41	0.12	3.52	0.03	97	no

ID	$^{40}Ar/^{39}Ar$	$^{39}Ar_K$ (x 10^{-17} mol)	$^{40}Ar^*$ (%)	Age (Ma)	±1σ (Ma)	WM age (Ma)	WM ±2σ (Ma)	MSWD	Acceptable MSWD†
Piedras ash, bulk crystal sanidine, *J* = 0.0007791, NM-93, Lab# = 9477									
08	2.208	383.0	98.6	3.06	0.02	-	-	-	-
02	2.172	325.0	101.4	3.09	0.03	-	-	-	-
11	2.431	564.0	91.4	3.12	0.02	3.09	0.03	1.9	yes
07	2.485	360.0	90.0	3.14	0.03	3.10	0.03	2.0	yes
05	2.330	547.3	96.0	3.14	0.02	3.11	0.02	2.3	yes
03	2.358	454.1	95.6	3.17	0.02	3.12	0.02	2.5	yes
01	2.350	640.0	96.3	3.18	0.02	3.13	0.02	3.3	no
13	2.347	365.2	97.0	3.20	0.04	3.14	0.02	3.2	no
06	2.325	483.8	98.0	3.20	0.02	3.14	0.02	3.6	no
04	2.317	517.8	98.7	3.21	0.02	3.15	0.01	4.1	no
12	2.438	423.5	96.5	3.30	0.03	3.16	0.01	6.4	no
09	2.423	354.7	97.3	3.31	0.03	3.17	0.01	8.3	no
10	2.539	529.1	96.9	3.46	0.02	3.20	0.01	23	no
41	3.868	70.7	80.9	4.39	0.09	4.39	0.18	34	no

Note:
WM = Weighted mean. Dash means not applicable.
Box represents point where addition of data last yields an acceptable MSWD. Age in box is interpreted as eruption age.
* ^{40}Ar total not corrected for atmosphere.
† MSWD falls within 95% confidence window for *n* - 1 degrees of freedom (cf. Mahon, 1996)