

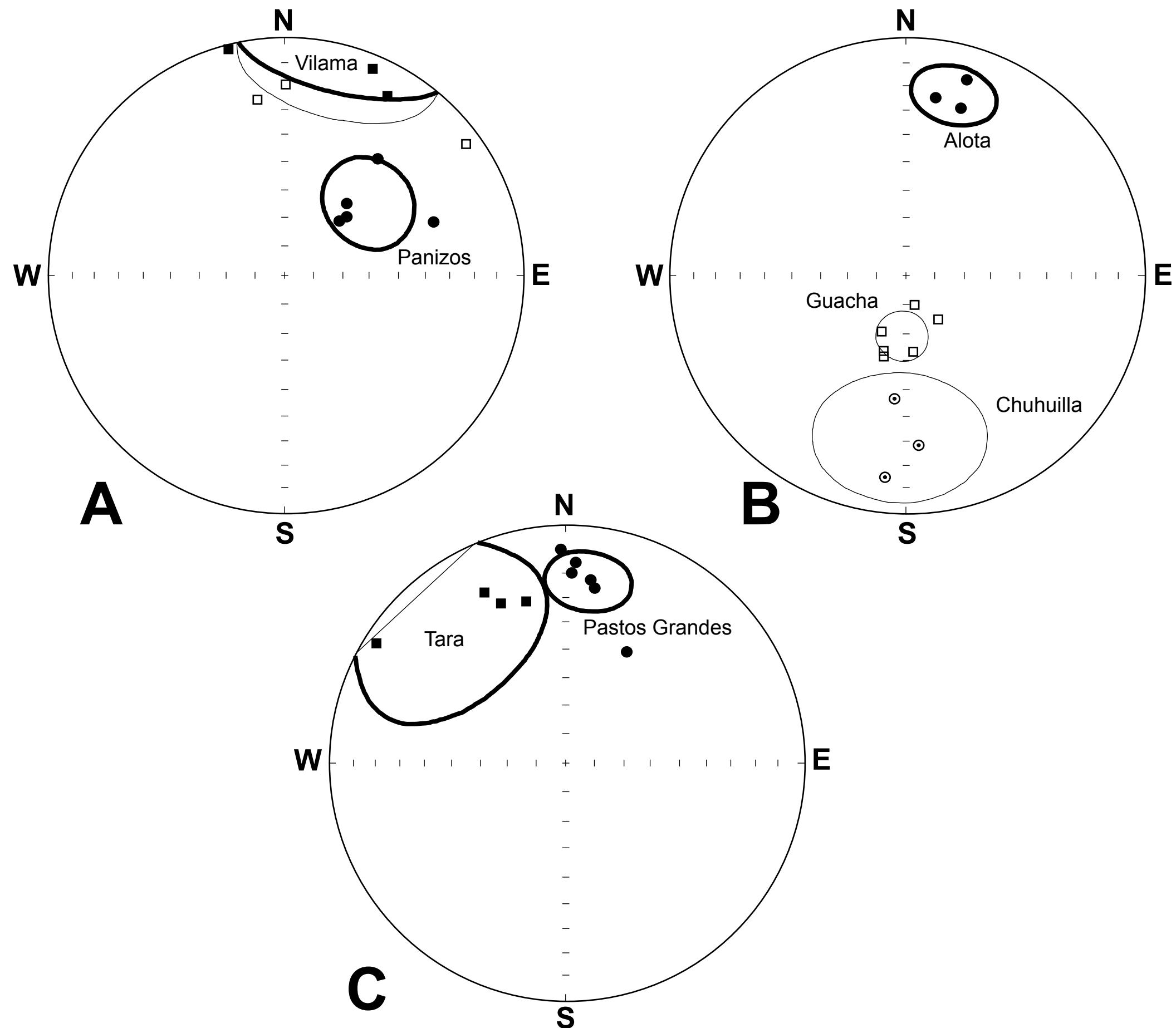
Characteristic remanent magnetism methodology and results

Sampling for characteristic remanent magnetism (ChRM) directions was accomplished with a gasoline-powered rock drill and samples were oriented with both magnetic and sun compasses. Stepwise thermal demagnetization and analysis were conducted on six samples per site using a 2G SRM 755R cryogenic magnetometer and a Magnetic Measurements MMTD-80 thermal demagnetizer at the Instituto Jaume Almera in Barcelona, Spain. Stepwise alternating field (AF) demagnetization and analysis were carried out on 3-9 more samples per site using a Molspin Minispin magnetometer and a Molspin shielded alternating field demagnetizer. ChRM directions for each sample were identified based on at least four consistent thermal or AF demagnetization steps, using the Paldir (<http://www.geo.uu.nl/~forth/Software/soft.html>) and UC Santa Barbara paleomagnetism programs. All sample directions were then statistically analyzed for site ChRM directions using R. Enkin's paleomagnetic analysis software (http://gsc.nrcan.gc.ca/sw/paleo_e.php).

The ChRM directions obtained for most of the newly dated Lípez region ignimbrites distinguish several ignimbrites from one another (Figure A1) and, thus, can be used to correlate these ignimbrites. Several outcrops of ignimbrites of equivocal origin were identified by their distinct ChRM directions in this study. An example of this is the Guacha Ignimbrite. This ignimbrite is widely distributed throughout much of the study area and overlaps with many other ignimbrites. Because of the physical similarities between the ignimbrites, identifying the ignimbrites in the field can be difficult. Site BL20, located near Volcán Uturuncu (Fig. 6), was identified based upon its stratigraphic position overlying the Vilama ignimbrite and lateral continuity with the Guacha ignimbrite in the Quetena valley to the west, and then confirmed by its ChRM direction. Site BL25 was originally identified as Tara Ignimbrite in the field, but its ChRM direction is clearly that of the Guacha Ignimbrite. It has now been established that the Tara is ponded in a valley of Guacha at the location and the stratigraphy is inverted there. Site BL31, located closer to the Pastos Grandes caldera than the Guacha caldera, also proved to be Guacha Ignimbrite, based on its ChRM direction. The stratigraphic relations at this site are equivocal, and only additional geochronology could provide similar certainty. The magnetic 'fingerprints' from this study can be used by APVC researchers to facilitate correlation of ignimbrite outcrops in the future.

The lack of quarries or road cuts often necessitated sampling from weakly altered rocks and this may partially explain the rather large α_{95} uncertainties associated with many site ChRM directions. Every effort was made to avoid lightning-prone sites, but several sites show demagnetization characteristics consistent with the effects of lightning. AF demagnetization reduced this effect in most such samples. In addition, multiple episodes of resurgence and minor deformation may have increased the errors for some ignimbrites.

Figure A1. Characteristic remanent magnetization data from seven ignimbrites from the APVC. Solid symbols and thick lines indicate upper hemisphere and open symbols and thin lines indicate lower hemisphere directions and α_{95} error ellipses. Ignimbrites are grouped according to similar age groups and the data show that the ignimbrites can be distinguished using ChRM data. (A) 8.41 Ma Vilama (squares) and 6.86 Ma Panizos (circles) Ignimbrites, (B) 5.52 Ma Guacha (squares), 5.45 Ma Chuhuilla (circles with spot), and 5.23 Ma Alota (circles) Ignimbrites, (C) 3.49 Ma Tara (squares) and 2.89 Ma Pastos Grandes (circles) Ignimbrites.



Salisbury et al. - Figure A1

APPENDIX 2: Summary of 40Ar/39Ar laser fusion experiments of 60 samples from Altiplano-Puna volcanic complex

Sample	Map #	Mat.	Min.	Latitude (S)	Longitude (W)	Isochron analysis 40Ar/36Ari (±2 σ)	Isochron Age (Ma±2σ)	MSWD	Age Spectrum Weighted Mean MSWD age (Ma±2σ)	N	SCLF	#MF	# samples
Tatio Ignimbrite													
B06-069	1	pum	bio	22.3013	67.7631	292.2±5.6	0.723±0.041	0.39	0.699±0.01	0.45	14 of 14		1
B06-070	2	mat	bio	22.3438	67.7939	294.2±7.1	0.770±0.130	0.90	0.750±0.06	0.81	10 of 10		1
B06-067	1	pum	bio	22.3007	67.7613	295.6±9.1	0.706±0.130	1.60	0.764±0.06	1.40	10 of 10		1
									0.703±0.01	1.14	34	34	
Laguna Colorada Ignimbrite													
B06-062	3	mat	bio	22.2234	67.4256	278.0±25.0	2.09±0.21	0.95	1.95±0.03	0.98	9 of 11		1
89022	4	mat	bio	22.1857	67.5154	295.9±16.2	2.04±0.22	0.58	2.05±0.05	0.54	14 of 14		1
									1.98±0.03	1.30	23	23	
Pastos Grandes Ignimbrite													
89017	5	mat	bio	21.8182	67.8280	306±13.0	2.86±0.08	0.51	2.91±0.03	0.63	14 of 14		1
B06-036	6	mat	bio	21.5958	67.6083	299±38.0	8.40±0.18	0.15	2.93±0.01	0.60	12 of 12		1
B06-056	7	mat	bio	21.6550	67.7303	296.9±5.5	2.95±0.05	1.17	2.96±0.02	0.53	11 of 12		1
B06-058	8	mat	bio	21.9443	67.8738	310±33.0	2.92±0.11	0.65	2.97±0.02	0.63	12 of 12		1
									2.94±0.01	0.88	49	49	
B06-056	7	mat	san	21.6550	67.7303	293 ± 18	2.89±0.02	1.06	2.88±0.01	0.65	17 of 17		
B06-058	8	mat	san	21.9443	67.8738	294 ± 37	2.88±0.02	0.66	2.88±0.01	0.44	14 of 14		
B06-036	6	mat	san	21.5958	67.6083	292 ± 6	2.95±0.03	0.70	2.89±0.01	0.75	18 of 18		
B06-045	9	mat	san	21.4346	67.6374	293 ± 15	2.91±0.02	0.89	2.91±0.02	0.77	17 of 19		1
									2.89±0.01	0.78	66	66	
Tara Ignimbrite													
B06-081	15	pum	bio	22.4388	67.3760	295.4±1.2	3.87±0.10	1.16	3.86±0.05	1.02	11 of 13	11	1
B06-027	16	pum	bio	22.5012	67.4764	296.1±4.1	3.88±0.12	0.22	3.89±0.07	0.19	6 of 12	6	1
B06-072	10	mat	bio	22.7550	67.6397	300±12.0	3.44±0.10	0.53	3.48±0.03	0.52	13 of 13		1
B06-025	11	mat	bio	22.6331	67.4980	296.1±30	3.55±0.05	0.48	3.56±0.02	0.40	13 of 13		1
B06-018	12	mat	bio	22.7756	67.2529	301.0±16.0	3.51±0.17	0.04	3.56±0.07	0.13	6 of 6		1
B06-013	13	pum	bio	22.4479	67.2805	253±76.0	3.69±0.11	0.18	3.63±0.04	0.24	6 of 6		1
									3.55±0.02	1.50	38	38	
B06-018	12	mat	san	22.7756	67.2529	291 ± 14	3.51±0.04	0.81	3.51±0.01	0.56	32 of 32		
89002	14	mat	san	22.5151	67.6409	295.0±4.7	3.46±0.03	1.37	3.46±0.02	1.18	8 of 8		1
									3.49±0.01	1.17	40	40	
Puripcar Ignimbrite													
83015	17	pum	bio	22.6991	68.2362	295±6	4.06±0.13	1.50	4.05±0.11	1.38	13 of 13		1
89001	18	mat	bio	22.3525	67.7278	301.5±13	4.08±0.05	1.2	4.09±0.04	1.19	12 of 12		1
									4.09±0.02	1.13	25	25	
Juvina Ignimbrite													
B06-063	19	pum	bio	21.4573	67.6457	247.0±34.0	5.78±0.13	0.61	5.63±0.04	0.91	11 of 11	11	1

B06-063	19	pum	san	21.4573	67.6457	294 ± 3	5.25±0.07	0.99	5.24±0.02	0.40	23 of 27		
ALI-189	20	pum	san	21.4809	67.6127	296.1±10.5	5.22±0.03	1.77	5.23±0.02	1.56	9 of 9		
									5.23±0.01	0.49	32	32	1
Chuhuilla Ignimbrite													
89019b	21	mat	bio	21.7201	67.9552	292.94±4.7	5.75±0.11	0.91	5.70±0.03	0.78	10 of 10	10	
89019a	21	mat	bio	21.7201	67.9552	312.9±20.2	5.11±.46	0.12	5.51±0.03	0.78	4 of 4		
B06-050	22	pum	bio	21.2490	68.1288	288.0±12.0	5.60±0.12	0.91	5.54±0.03	0.55	12 of 12		
									5.52±0.02	0.72	16	16	1
89019	21	mat	san	21.7201	67.9552	296 ± 6	5.45±0.04	0.78	5.45±0.02	0.46	16 of 17	16	1
Guacha Ignimbrite													
B06-085	27	pum	bio	22.3545	67.3929	294.0±1.8	5.73±0.25	0.71	5.52±0.06	0.87	11 of 11	11	1
B06-007	23	pum	bio	22.1630	67.3104	294.4±2.5	5.92±0.73	1.40	5.59±0.19	1.30	12 of 12		
B06-002	24	mat	bio	21.8401	67.3373	290.3±6.4	5.80±0.13	0.51	5.71±0.05	0.62	12 of 12		
B06-022	25	mat	bio	22.6085	67.3998	294.6±2.8	5.78±0.07	0.91	5.77±0.04	0.61	10 of 12		
B06-080	15	pum	bio	22.4388	67.3760	293.6±3.7	5.81±0.04	1.90	5.80±0.00	1.04	13 of 12		
B06-030	26	mat	bio	22.3813	67.1490	297.0±10.0	5.82±0.07	0.80	5.84±0.02	0.50	12 of 12		
									5.81±0.01	1.4	59	59	
B06-002	24	mat	san	21.8401	67.3373	306 ± 45	5.65±0.04	0.02	5.65±0.01	0.52	26 of 26	26	
Panizos Ignimbrite													
BOL-07-005	31	pum	bio	22.2521	66.8351	294.0±32.0	6.97±0.25	1.7	6.98±0.034	1.5	12 of 12	12	1
B06-077	28	pum	bio	22.1199	66.9163	293.0±18.0	6.88±0.15	1.12	6.86±0.03	0.36	10 of 10		
BOL-07-001	29	pum	bio	21.9834	66.5360	295.5±2.9	6.66±0.17	1.01	6.67±0.07	0.9	12 of 12		
BOL-07-002	30	pum	bio	22.0503	66.6334	301.0±13.0	6.72±0.07	0.29	6.75±0.02	0.29	10 of 10		
BOL-07-003	31	pum	bio	22.2521	66.8351	291.3±4.5	6.78±0.04	0.71	6.75±0.02	0.83	12 of 12		
BOL-07-004	31	pum	bio	22.2521	66.8351	293.3±3.9	6.80±0.06	0.77	6.78±0.03	0.73	12 of 12		
									6.79±0.02	2.5	56	56	
Sifon Ignimbrite													
83001	32	mat	bio	22.6644	68.4738	299±28	8.20±0.32	0.37	8.23±0.15	0.35	14 of 14		
83005	33	pum	bio	22.7537	68.4381	303±24	8.28±0.22	1.06	8.34±0.07	1.02	14 of 14		
									8.33±0.06	0.72	28	28	
Vilama Ignimbrite													
B06-003	24	mat	bio	21.8410	67.3363	293.0±3.9	8.30±0.19	0.21	8.22±0.11	0.32	12 of 12		1
B06-032	34	mat	bio	22.3414	67.1764	286.0±17.0	8.41±0.12	0.95	8.37±0.04	0.49	12 of 12		1
B06-039	35	pum	bio	21.7250	67.3865	288.0±28.0	8.44±0.19	0.59	8.40±0.05	0.17	6 of 6		1
B06-035	36	mat	bio	22.3916	66.9955	297.0±13.0	8.42±0.12	0.18	8.42±0.04	0.08	12 of 12		1
B06-029	37	mat	bio	22.2506	67.3454	294.6±3.2	8.42±0.13	0.97	8.42±0.05	0.51	12 of 12		1
B06-031	38	mat	bio	22.2265	67.0992	299.0±38.0	8.40±0.18	0.15	8.42±0.06	7.16	12 of 12		1

APPENDIX 2: COMPLETE $^{40}\text{Ar}/^{39}\text{Ar}$ LASER FUSION RESULTS

ID #	Laser Power (W)	$^{40}\text{Ar} / ^{39}\text{Ar}$ $\pm 1\sigma$	$^{38}\text{Ar} / ^{39}\text{Ar}$ ^a $\pm 1\sigma$	$^{37}\text{Ar} / ^{39}\text{Ar}$ $\pm 1\sigma$	$^{36}\text{Ar} / ^{39}\text{Ar}$ $\pm 1\sigma$	F ^b $\pm 1\sigma$	^{39}Ar mol $\times 10^{16}$	$^{40}\text{Ar}^*$ (%)	K/Ca	Apparent Age $\pm 2\sigma$ (Ma) ^c
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B06-002

Single crystal fusions		Biotite		$J = 0.000785 \pm 0.57\% (1\sigma)^d$						$\mu = 1.0026 \pm 0.015\% (1\sigma)^e$		
BD8609	#	20.00	W	9.4840 ± 0.0635	0.0177 ± 0.0003	0.0052 ± 0.0016	0.0185 ± 0.0002	4.0166 ± 0.0695	7.7	42.4	82.1	5.68 ± 0.20
BD8610	#	20.00	W	7.4593 ± 0.0154	0.0160 ± 0.0001	0.0336 ± 0.0011	0.0116 ± 0.0001	4.0353 ± 0.0254	32.0	54.1	12.8	5.71 ± 0.07
BD8612	#	20.00	W	6.0073 ± 0.0244	0.0150 ± 0.0001	0.0337 ± 0.0014	0.0065 ± 0.0001	4.0836 ± 0.0420	15.1	68.0	12.8	5.77 ± 0.12
BD8613	#	20.00	W	8.7306 ± 0.2163	0.0188 ± 0.0006	0.0498 ± 0.0062	0.0148 ± 0.0007	4.3507 ± 0.2434	2.1	49.8	8.6	6.15 ± 0.69
BD8615	#	20.00	W	6.3305 ± 0.0838	0.0154 ± 0.0004	0.0115 ± 0.0030	0.0073 ± 0.0003	4.1655 ± 0.1014	4.6	65.8	37.4	5.89 ± 0.29
BD8616	#	20.00	W	8.7399 ± 0.0258	0.0171 ± 0.0001	0.0163 ± 0.0010	0.0160 ± 0.0002	4.0235 ± 0.0513	19.1	46.0	26.3	5.69 ± 0.14
BD8618	#	20.00	W	7.0539 ± 0.0940	0.0166 ± 0.0005	0.0210 ± 0.0080	0.0106 ± 0.0005	3.9128 ± 0.1691	3.3	55.5	20.5	5.53 ± 0.48
BD8619	#	20.00	W	9.1002 ± 0.0543	0.0174 ± 0.0004	0.0261 ± 0.0050	0.0174 ± 0.0003	3.9581 ± 0.0966	5.7	43.5	16.5	5.6 ± 0.27
BD8621	#	20.00	W	5.2632 ± 0.0746	0.0155 ± 0.0003	-0.0013 ± 0.0066	0.0038 ± 0.0003	4.1337 ± 0.1186	4.0	78.5	14.4	5.84 ± 0.33
BD8622	#	20.00	W	5.6148 ± 0.0415	0.0151 ± 0.0001	0.0095 ± 0.0036	0.0054 ± 0.0002	4.0278 ± 0.0616	7.4	71.7	45.1	5.7 ± 0.17
BD8624	#	20.00	W	4.8735 ± 0.0344	0.0151 ± 0.0001	0.0013 ± 0.0029	0.0027 ± 0.0002	4.0636 ± 0.0616	9.0	83.4	336.3	5.75 ± 0.17
BD8625	#	20.00	W	9.5072 ± 0.0408	0.0172 ± 0.0002	0.0075 ± 0.0029	0.0187 ± 0.0001	3.9928 ± 0.0494	8.8	42.0	57.1	5.65 ± 0.14
Weighted Mean from 12 of 12 Analyses:				MSWD	0.68						Age:	5.71 ± 0.08
Inverse Isochron from 12 of 12 Analyses:				MSWD	0.51	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	290.3 ± 6.5				Age:	5.80 ± 0.13

B06-002a

Single crystal fusions		Sanidine		$J = 0.000785 \pm 0.57\% (1\sigma)^d$						$\mu = 1.0042 \pm 0.03\% (1\sigma)^e$	
BD7894	# 35.00 W	4.0133 ± 0.0039	0.0123 ± 0.0001	0.0058 ± 0.0002	0.0000 ± 0.0000	4.0109 ± 0.0135	39.3	99.9	74.0	5.67 ± 0.04	
BD7895	# 35.00 W	4.2074 ± 0.0056	0.0125 ± 0.0001	0.0058 ± 0.0003	0.0007 ± 0.0001	3.9964 ± 0.0227	25.0	95.0	73.6	5.65 ± 0.06	
BD7896	# 35.00 W	4.0056 ± 0.0086	0.0124 ± 0.0001	0.0070 ± 0.0002	0.0000 ± 0.0000	3.9977 ± 0.0146	52.1	99.8	61.4	5.65 ± 0.04	
BD7898	# 35.00 W	3.9956 ± 0.0052	0.0123 ± 0.0001	0.0054 ± 0.0001	0.0000 ± 0.0000	3.9938 ± 0.0108	70.8	100.0	79.3	5.65 ± 0.03	
BD7899	# 35.00 W	4.0079 ± 0.0063	0.0121 ± 0.0002	0.0054 ± 0.0004	0.0001 ± 0.0001	3.9736 ± 0.0291	20.1	99.1	80.4	5.62 ± 0.08	
BD7900	# 35.00 W	4.0122 ± 0.0068	0.0124 ± 0.0001	0.0056 ± 0.0002	0.0001 ± 0.0001	3.9891 ± 0.0175	31.4	99.4	76.6	5.64 ± 0.05	
BD7902	# 35.00 W	4.0134 ± 0.0064	0.0122 ± 0.0001	0.0094 ± 0.0002	0.0000 ± 0.0001	4.0073 ± 0.0162	34.9	99.8	45.5	5.67 ± 0.05	
BD7903	# 35.00 W	4.5002 ± 0.0092	0.0130 ± 0.0002	0.0055 ± 0.0006	0.0016 ± 0.0002	4.0191 ± 0.0561	10.8	89.3	78.0	5.68 ± 0.16	
Weighted Mean from 8 of 8 Analyses:		MSWD	0.36							Age:	5.65 ± 0.07
Inverse Isochron from 8 of 8 Analyses:		MSWD	0.41	$^{40}\text{Ar} / {}^{36}\text{Ar} \pm 2\sigma$	301.9 ± 50.7					Age:	5.65 ± 0.07

B06-002b

Single crystal fusions		Sanidine						$J = 0.0008067 \pm 0.32\% (1\sigma)^d$	$\mu = 1.003 \pm 0.02\% (1\sigma)^e$	
BD9887	# 35.00 W	3.9047 ± 0.0066	0.0121 ± 0.0001	0.0055 ± 0.0001	0.0001 ± 0.0000	3.8783 ± 0.0135	35.6	99.3	77.8	5.64 ± 0.04
BD9888	# 35.00 W	4.0052 ± 0.0083	0.0122 ± 0.0001	0.0057 ± 0.0002	0.0004 ± 0.0001	3.8737 ± 0.0180	27.7	96.7	75.7	5.63 ± 0.05
BD9890	# 35.00 W	3.8962 ± 0.0042	0.0123 ± 0.0002	0.0060 ± 0.0002	0.0001 ± 0.0001	3.8580 ± 0.0215	22.7	99.0	71.4	5.61 ± 0.06
BD9891	# 35.00 W	3.9244 ± 0.0068	0.0123 ± 0.0002	0.0075 ± 0.0002	0.0003 ± 0.0001	3.8493 ± 0.0273	15.2	98.1	57.4	5.59 ± 0.08
BD9893	# 35.00 W	3.9046 ± 0.0055	0.0121 ± 0.0001	0.0055 ± 0.0001	0.0001 ± 0.0000	3.8777 ± 0.0106	43.0	99.3	77.9	5.63 ± 0.03
BD9894	# 35.00 W	3.9113 ± 0.0059	0.0120 ± 0.0001	0.0058 ± 0.0001	0.0001 ± 0.0000	3.8761 ± 0.0118	36.7	99.1	74.4	5.63 ± 0.03
BD9896	# 35.00 W	3.9642 ± 0.0108	0.0123 ± 0.0002	0.0054 ± 0.0002	0.0002 ± 0.0001	3.9064 ± 0.0283	19.0	98.5	80.4	5.68 ± 0.08
BD9897	# 35.00 W	3.9295 ± 0.0081	0.0123 ± 0.0001	0.0059 ± 0.0001	0.0001 ± 0.0000	3.9120 ± 0.0164	30.0	99.6	73.3	5.68 ± 0.05
BD9899	# 35.00 W	3.9346 ± 0.0160	0.0126 ± 0.0002	0.0072 ± 0.0003	0.0002 ± 0.0001	3.8769 ± 0.0434	11.0	98.5	59.5	5.63 ± 0.13
BD9900	# 35.00 W	3.9218 ± 0.0049	0.0124 ± 0.0000	0.0054 ± 0.0001	0.0001 ± 0.0000	3.9050 ± 0.0093	44.3	99.6	79.4	5.67 ± 0.03
BD9902	# 35.00 W	3.9193 ± 0.0156	0.0120 ± 0.0002	0.0067 ± 0.0004	0.0000 ± 0.0001	3.9074 ± 0.0342	13.2	99.7	64.5	5.68 ± 0.10
BD9903	# 35.00 W	3.9213 ± 0.0072	0.0125 ± 0.0001	0.0059 ± 0.0002	0.0001 ± 0.0000	3.8963 ± 0.0119	42.1	99.4	73.4	5.66 ± 0.03
BD9905	# 35.00 W	3.9455 ± 0.0142	0.0125 ± 0.0001	0.0053 ± 0.0004	0.0001 ± 0.0001	3.9223 ± 0.0309	11.2	99.4	81.6	5.70 ± 0.09
BD9906	# 35.00 W	3.9986 ± 0.0125	0.0124 ± 0.0002	0.0056 ± 0.0003	0.0003 ± 0.0001	3.9164 ± 0.0332	12.0	97.9	76.1	5.69 ± 0.10
BD9908	# 35.00 W	3.9965 ± 0.0149	0.0127 ± 0.0002	0.0059 ± 0.0004	0.0004 ± 0.0001	3.8900 ± 0.0444	9.7	97.3	72.3	5.65 ± 0.13
BD9909	# 35.00 W	3.9111 ± 0.0121	0.0123 ± 0.0003	0.0054 ± 0.0003	0.0001 ± 0.0001	3.8764 ± 0.0233	12.6	99.1	79.7	5.63 ± 0.07
BD9911	# 35.00 W	3.9296 ± 0.0114	0.0126 ± 0.0002	0.0055 ± 0.0002	0.0001 ± 0.0001	3.9136 ± 0.0199	21.6	99.6	78.7	5.69 ± 0.06
BD9912	# 35.00 W	3.9590 ± 0.0187	0.0124 ± 0.0002	0.0057 ± 0.0004	0.0001 ± 0.0001	3.9188 ± 0.0300	13.0	99.0	76.0	5.69 ± 0.09
Weighted Mean from 18 of 18 Analyses:		MSWD	1.09						Age: 5.65 ± 0.04	
Inverse Isochron from 18 of 18 Analyses:		MSWD	1.13	${}^{40}\text{Ar} / {}^{36}\text{Ar} \pm 2\sigma$	327.1 ± 118.6				Age: 5.65 ± 0.04	

B06-003

Single Crystal Fusions		Biotite						$J = 0.000785 \pm 0.57\% (1\sigma)^d$	$\mu = 1.0026 \pm 0.015\% (1\sigma)^e$	
BD8627	# 20.00 W	16.7431 ± 0.2178	0.0365 ± 0.0256	0.0188 ± 0.0021	0.0371 ± 0.0007	5.7760 ± 0.2173	0.1	34.5	22.9	8.16 ± 0.61
BD8628	# 20.00 W	10.4619 ± 0.0760	0.0373 ± 0.0258	0.0205 ± 0.0016	0.0156 ± 0.0002	5.8433 ± 0.0926	0.1	55.9	21.0	8.26 ± 0.26
BD8630	# 20.00 W	9.2360 ± 0.2653	0.0389 ± 0.0266	0.0041 ± 0.0032	0.0119 ± 0.0007	5.7293 ± 0.3113	0.1	62.0	104.2	8.10 ± 0.88
BD8631	# 20.00 W	7.2514 ± 0.2316	0.0396 ± 0.0271	0.0115 ± 0.0037	0.0050 ± 0.0007	5.7860 ± 0.2953	0.1	79.8	37.4	8.18 ± 0.83
BD8633	# 20.00 W	6.9646 ± 0.2790	0.0410 ± 0.0284	0.0328 ± 0.0044	0.0039 ± 0.0008	5.8059 ± 0.3574	0.1	83.4	13.1	8.20 ± 1.01
BD8634	# 20.00 W	32.5282 ± 0.4347	0.0417 ± 0.0292	0.0150 ± 0.0022	0.0903 ± 0.0014	5.8429 ± 0.2855	0.1	18.0	28.8	8.26 ± 0.80
BD8636	# 20.00 W	7.4858 ± 0.0576	0.0431 ± 0.0313	0.0309 ± 0.0012	0.0054 ± 0.0002	5.8778 ± 0.0795	0.1	78.5	13.9	8.30 ± 0.22
BD8637	# 20.00 W	8.8961 ± 0.0875	0.0439 ± 0.0327	0.0218 ± 0.0018	0.0104 ± 0.0003	5.8222 ± 0.1078	0.1	65.4	19.7	8.23 ± 0.30
BD8639	# 20.00 W	9.7797 ± 0.1591	0.0455 ± 0.0362	0.0224 ± 0.0026	0.0135 ± 0.0004	5.7897 ± 0.1871	0.1	59.2	19.2	8.18 ± 0.53
BD8640	# 20.00 W	16.2415 ± 0.0508	0.0464 ± 0.0385	0.0343 ± 0.0010	0.0353 ± 0.0002	5.8061 ± 0.0545	0.1	35.7	12.5	8.20 ± 0.15
BD8642	# 20.00 W	29.3795 ± 0.2987	0.0485 ± 0.0447	0.0126 ± 0.0023	0.0810 ± 0.0010	5.4305 ± 0.2296	0.1	18.5	34.1	7.67 ± 0.65
BD8643	# 20.00 W	12.5062 ± 0.2688	0.0498 ± 0.0490	0.0159 ± 0.0039	0.0226 ± 0.0008	5.8260 ± 0.2997	0.1	46.6	27.1	8.23 ± 0.85
Weighted Mean from 12 of 12 Analyses:		MSWD	0.34						Age: 8.22 ± 0.14	

Inverse Isochron from 12 of 12 Analyses:	MSWD	0.21	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	293.0 \pm 4.0	Age:	8.30 \pm 0.19
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B06-005

Single crystal fusions			Biotite			$J = 0.000785 \pm 0.57\% (1\sigma)^d$			$\mu = 1.0026 \pm 0.015\% (1\sigma)^e$		
BD8681	20.00 W	14.2100 \pm 0.1274	0.0212 \pm 0.0008	0.0427 \pm 0.0116	0.0112 \pm 0.0013	10.9156 \pm 0.4010	1.1	76.8	10.1	15.39 \pm 1.13	
BD8682	20.00 W	14.2606 \pm 0.1334	0.0208 \pm 0.0011	0.0333 \pm 0.0086	0.0148 \pm 0.0017	9.9038 \pm 0.5104	1.1	69.4	12.9	13.97 \pm 1.43	
BD8684	20.00 W	32.1425 \pm 0.3349	0.0385 \pm 0.0013	0.0774 \pm 0.0218	0.0737 \pm 0.0025	10.3820 \pm 0.7709	0.5	32.3	5.6	14.64 \pm 2.17	
BD8685	# 20.00 W	9.2335 \pm 0.1815	0.0211 \pm 0.0016	0.0338 \pm 0.0157	0.0072 \pm 0.0018	7.0945 \pm 0.5615	0.8	76.8	12.7	10.02 \pm 1.58	
BD8687	# 20.00 W	35.1383 \pm 0.3117	0.0385 \pm 0.0024	-0.0038 \pm 0.0276	0.0947 \pm 0.0046	7.1603 \pm 1.3836	0.5	20.4	0.0	10.11 \pm 3.90	
BD8688	# 20.00 W	30.4555 \pm 0.1256	0.0317 \pm 0.0009	0.0064 \pm 0.0128	0.0761 \pm 0.0020	7.9790 \pm 0.6004	1.2	26.2	67.0	11.26 \pm 1.69	
BD8690	# 20.00 W	7.5236 \pm 0.2508	0.0238 \pm 0.0030	0.0028 \pm 0.0285	0.0044 \pm 0.0028	6.2235 \pm 0.8585	0.5	82.7	154.0	8.79 \pm 2.42	
BD8691	# 20.00 W	9.7236 \pm 0.2650	0.0258 \pm 0.0015	-0.0046 \pm 0.0276	0.0107 \pm 0.0035	6.5571 \pm 1.0691	0.5	67.4	0.0	9.26 \pm 3.01	
BD8693	# 20.00 W	16.9382 \pm 0.3019	0.0273 \pm 0.0036	0.0194 \pm 0.0367	0.0334 \pm 0.0041	7.0719 \pm 1.2344	0.4	41.8	22.2	9.99 \pm 3.48	
BD8694	# 20.00 W	11.8015 \pm 0.1820	0.0215 \pm 0.0014	0.0120 \pm 0.0278	0.0153 \pm 0.0019	7.2674 \pm 0.5836	0.6	61.6	35.8	10.26 \pm 1.64	
BD8696	# 20.00 W	7.7950 \pm 0.1682	0.0186 \pm 0.0021	0.0462 \pm 0.0221	0.0008 \pm 0.0020	7.5627 \pm 0.6092	0.7	97.0	9.3	10.68 \pm 1.72	
BD8697	# 20.00 W	9.6778 \pm 0.1565	0.0236 \pm 0.0011	0.0221 \pm 0.0148	0.0073 \pm 0.0017	7.5201 \pm 0.5172	0.8	77.7	19.5	10.62 \pm 1.46	
Weighted Mean from 9 of 12 Analyses:			MSWD	0.48					Age:	10.33 \pm 0.66	
Inverse Isochron from 9 of 12 Analyses:			MSWD	0.41	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	303.8 \pm 17.2			Age:	10.09 \pm 0.41	

B06-007

Single crystal fusions			Biotite			$J = 0.000785 \pm 0.57\% (1\sigma)^d$			$\mu = 1.0026 \pm 0.015\% (1\sigma)^e$		
BD8645	# 20.00 W	48.7906 \pm 0.1531	0.0425 \pm 0.0004	0.0109 \pm 0.0028	0.1513 \pm 0.0007	4.0748 \pm 0.1352	7.1	8.4	39.5	5.76 \pm 0.38	
BD8646	# 20.00 W	69.9841 \pm 0.4467	0.0568 \pm 0.0005	0.0256 \pm 0.0065	0.2238 \pm 0.0018	3.8407 \pm 0.3077	3.3	5.5	16.8	5.43 \pm 0.87	
BD8648	# 20.00 W	86.6560 \pm 0.2668	0.0674 \pm 0.0005	0.0376 \pm 0.0045	0.2805 \pm 0.0010	3.7733 \pm 0.1704	6.5	4.4	11.4	5.34 \pm 0.48	
BD8649	# 20.00 W	57.4472 \pm 0.1419	0.0485 \pm 0.0005	0.0228 \pm 0.0019	0.1815 \pm 0.0005	3.8129 \pm 0.0953	10.9	6.6	18.9	5.39 \pm 0.27	
BD8651	# 20.00 W	83.9692 \pm 0.2851	0.0656 \pm 0.0005	0.0640 \pm 0.0063	0.2702 \pm 0.0012	4.1199 \pm 0.2456	5.4	4.9	6.7	5.83 \pm 0.69	
BD8652	# 20.00 W	46.1254 \pm 0.2806	0.0431 \pm 0.0002	0.1466 \pm 0.0116	0.1417 \pm 0.0013	4.2724 \pm 0.2897	3.2	9.3	2.9	6.04 \pm 0.82	
BD8654	# 20.00 W	76.0010 \pm 0.2641	0.0595 \pm 0.0003	0.0246 \pm 0.0041	0.2437 \pm 0.0018	3.9755 \pm 0.4679	7.5	5.2	17.5	5.62 \pm 1.32	
BD8655	# 20.00 W	63.0598 \pm 0.2036	0.0525 \pm 0.0003	0.0167 \pm 0.0061	0.1981 \pm 0.0014	4.5179 \pm 0.3699	5.4	7.2	25.7	6.39 \pm 1.04	
BD8657	# 20.00 W	53.0414 \pm 0.2094	0.0459 \pm 0.0004	0.0157 \pm 0.0065	0.1652 \pm 0.0009	4.2170 \pm 0.2077	4.9	8.0	27.3	5.96 \pm 0.59	
BD8658	# 20.00 W	71.9067 \pm 0.3168	0.0579 \pm 0.0009	0.2108 \pm 0.0091	0.2324 \pm 0.0017	3.2476 \pm 0.4226	4.4	4.5	2.0	4.59 \pm 1.19	
BD8660	# 20.00 W	64.2420 \pm 0.1374	0.0524 \pm 0.0004	0.0249 \pm 0.0034	0.2048 \pm 0.0010	3.7319 \pm 0.2654	5.2	5.8	17.3	5.28 \pm 0.75	
BD8661	# 20.00 W	75.0294 \pm 0.2298	0.0609 \pm 0.0006	0.0049 \pm 0.0042	0.2396 \pm 0.0008	4.1042 \pm 0.1495	7.1	5.6	88.3	5.80 \pm 0.42	
Weighted Mean from 12 of 12 Analyses:			MSWD	1.30					Age:	5.59 \pm 0.19	
Inverse Isochron from 12 of 12 Analyses:			MSWD	1.36	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	294.4 \pm 3.0			Age:	5.92 \pm 0.84	

B06-012

Single crystal fusions			Biotite	$J = 0.000785 \pm 0.57\% (1\sigma)^d$						$\mu = 1.0026 \pm 0.015\% (1\sigma)^e$	
BD8699 #	20.00 W	18.5916 ± 0.0594	0.0250 ± 0.0003	0.0406 ± 0.0042	0.0484 ± 0.0006	4.2847 ± 0.1778	4.4	23.0	10.6	6.06 ± 0.50	
BD8700 #	20.00 W	19.4305 ± 0.0632	0.0242 ± 0.0002	0.0499 ± 0.0034	0.0503 ± 0.0004	4.5700 ± 0.1253	7.3	23.5	8.6	6.46 ± 0.35	
BD8702 #	20.00 W	15.5191 ± 0.0888	0.0227 ± 0.0002	0.0134 ± 0.0050	0.0369 ± 0.0007	4.6166 ± 0.2167	3.0	29.7	32.0	6.53 ± 0.61	
BD8703 #	20.00 W	16.5421 ± 0.0309	0.0220 ± 0.0001	0.0582 ± 0.0019	0.0416 ± 0.0002	4.2568 ± 0.0621	19.2	25.7	7.4	6.02 ± 0.18	
BD8705 #	20.00 W	16.1600 ± 0.0628	0.0236 ± 0.0005	0.0346 ± 0.0044	0.0391 ± 0.0005	4.6063 ± 0.1508	3.4	28.5	12.4	6.51 ± 0.43	
BD8706 #	20.00 W	12.0891 ± 0.0247	0.0196 ± 0.0001	0.0159 ± 0.0017	0.0264 ± 0.0003	4.3012 ± 0.0834	9.9	35.6	27.0	6.08 ± 0.24	
BD8708 #	20.00 W	15.8739 ± 0.0423	0.0218 ± 0.0002	0.0874 ± 0.0027	0.0392 ± 0.0002	4.3097 ± 0.0726	8.8	27.1	4.9	6.09 ± 0.21	
BD8709 #	20.00 W	12.7494 ± 0.0517	0.0202 ± 0.0006	0.0331 ± 0.0046	0.0288 ± 0.0007	4.2445 ± 0.2008	4.2	33.3	13.0	6.00 ± 0.57	
BD8711 #	20.00 W	11.2038 ± 0.2032	0.0197 ± 0.0003	0.0435 ± 0.0072	0.0232 ± 0.0006	4.3403 ± 0.2480	2.6	38.7	9.9	6.14 ± 0.70	
BD8712 #	20.00 W	10.3751 ± 0.0282	0.0181 ± 0.0002	0.0502 ± 0.0018	0.0204 ± 0.0002	4.3559 ± 0.0544	20.7	42.0	8.6	6.16 ± 0.15	
BD8715 #	20.00 W	14.8550 ± 0.1160	0.0209 ± 0.0002	0.0553 ± 0.0041	0.0356 ± 0.0007	4.3447 ± 0.2119	5.0	29.2	7.8	6.14 ± 0.60	
Weighted Mean from 11 of 11 Analyses:			MSWD	1.07						Age:	6.14 ± 0.11
Inverse Isochron from 11 of 11 Analyses:			MSWD	1.18	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	296.5 ± 6.4				Age:	6.09 ± 0.32

B06-013

Single crystal fusion			Biotite	$J = 0.000785 \pm 0.57\% (1\sigma)^d$						$\mu = 1.0026 \pm 0.015\% (1\sigma)^e$	
BD8717 #	20.00 W	2.9043 ± 0.0122	0.0145 ± 0.0002	0.0201 ± 0.0009	0.0012 ± 0.0001	2.5532 ± 0.0246	26.8	87.9	21.4	3.61 ± 0.07	
BD8718 #	20.00 W	2.8476 ± 0.0101	0.0144 ± 0.0002	0.0382 ± 0.0011	0.0010 ± 0.0001	2.5583 ± 0.0245	33.6	89.8	11.3	3.62 ± 0.07	
BD8720 #	20.00 W	2.9108 ± 0.0283	0.0141 ± 0.0001	-0.0002 ± 0.0013	0.0011 ± 0.0002	2.5722 ± 0.0579	11.5	88.4	0.0	3.64 ± 0.16	
BD8721 #	20.00 W	2.7805 ± 0.0082	0.0143 ± 0.0001	0.0186 ± 0.0006	0.0007 ± 0.0000	2.5804 ± 0.0166	39.4	92.8	23.1	3.65 ± 0.05	
BD8723 #	20.00 W	2.9554 ± 0.0155	0.0145 ± 0.0002	0.0305 ± 0.0012	0.0013 ± 0.0001	2.5616 ± 0.0328	20.7	86.7	14.1	3.62 ± 0.09	
BD8724 #	20.00 W	2.8812 ± 0.0234	0.0142 ± 0.0002	0.0141 ± 0.0013	0.0012 ± 0.0002	2.5293 ± 0.0501	13.7	87.8	30.4	3.58 ± 0.14	
Weighted Mean from 6 of 6 Analyses:			MSWD	0.34						Age:	3.63 ± 0.05
Inverse Isochron from 6 of 6 Analyses:			MSWD	0.18	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	253.2 ± 77.3				Age:	3.69 ± 0.18

B06-018

Single crystal fusion			Biotite	$J = 0.000776 \pm 0.57\% (1\sigma)^d$						$\mu = 1.0026 \pm 0.015\% (1\sigma)^e$	
BD8726 #	20.00 W	3.6850 ± 0.0209	0.0153 ± 0.0002	-0.0032 ± 0.0023	0.0039 ± 0.0002	2.5447 ± 0.0759	7.1	69.1	0.0	3.56 ± 0.21	
BD8727 #	20.00 W	3.7513 ± 0.0132	0.0147 ± 0.0001	0.0027 ± 0.0019	0.0042 ± 0.0002	2.5186 ± 0.0493	10.6	67.1	159.4	3.52 ± 0.14	
BD8729 #	20.00 W	3.5399 ± 0.0365	0.0159 ± 0.0004	-0.0001 ± 0.0045	0.0034 ± 0.0004	2.5466 ± 0.1361	3.7	71.9	0.0	3.56 ± 0.38	
BD8730 #	20.00 W	5.1031 ± 0.0161	0.0158 ± 0.0002	0.0028 ± 0.0010	0.0086 ± 0.0002	2.5663 ± 0.0512	13.3	50.3	153.2	3.59 ± 0.14	
BD8732 #	20.00 W	2.8264 ± 0.0293	0.0149 ± 0.0003	0.0015 ± 0.0039	0.0011 ± 0.0003	2.5137 ± 0.0968	4.4	88.9	289.1	3.52 ± 0.27	

BD8733	#	20.00 W	5.3948 ± 0.0186	0.0160 ± 0.0002	0.0023 ± 0.0011	0.0096 ± 0.0001	2.5588 ± 0.0385	15.7	47.4	191.0	3.58 ± 0.11
Weighted Mean from 6 of 6 Analyses:				MSWD	0.14					Age:	3.56 ± 0.08
Inverse Isochron from 6 of 6 Analyses:				MSWD	0.04	${}^{40}\text{Ar} / {}^{36}\text{Ar} \pm 2\sigma$	301.393 16.6			Age:	3.51 ± 0.18

B06-018

Single crystal fusions				Sanidine				$J = 0.000776 \pm 0.57 \% (1\sigma)^d$			$\mu = 1.0042 \pm 0.03 \% (1\sigma)^e$	
BD7906	#	35.00 W	2.5812 ± 0.0061	0.0127 ± 0.0001	0.0059 ± 0.0003	0.0002 ± 0.0001	2.5190 ± 0.0169	22.9	97.6	73.0	3.52 ± 0.05	
BD7907	#	35.00 W	2.5546 ± 0.0041	0.0124 ± 0.0001	0.0067 ± 0.0003	0.0001 ± 0.0000	2.5124 ± 0.0079	46.5	98.3	64.5	3.51 ± 0.02	
BD7908	#	35.00 W	2.5537 ± 0.0049	0.0125 ± 0.0001	0.0058 ± 0.0004	0.0002 ± 0.0000	2.4976 ± 0.0118	29.9	97.8	74.6	3.49 ± 0.03	
BD7910	#	35.00 W	2.5463 ± 0.0047	0.0123 ± 0.0001	0.0063 ± 0.0003	0.0002 ± 0.0000	2.4906 ± 0.0127	30.3	97.8	68.3	3.48 ± 0.04	
BD7911	#	35.00 W	2.8154 ± 0.0055	0.0128 ± 0.0001	0.0072 ± 0.0005	0.0011 ± 0.0001	2.4927 ± 0.0257	22.7	88.5	59.5	3.49 ± 0.07	
BD7912	#	35.00 W	2.7432 ± 0.0120	0.0129 ± 0.0004	0.0059 ± 0.0011	0.0011 ± 0.0003	2.4181 ± 0.0984	5.5	88.1	72.5	3.38 ± 0.27	
BD7914	#	35.00 W	2.5823 ± 0.0057	0.0127 ± 0.0003	0.0061 ± 0.0005	0.0002 ± 0.0001	2.5088 ± 0.0292	13.4	97.2	70.4	3.51 ± 0.08	
BD7915	#	35.00 W	2.5342 ± 0.0037	0.0123 ± 0.0001	0.0082 ± 0.0002	0.0001 ± 0.0000	2.5109 ± 0.0094	45.9	99.1	52.3	3.51 ± 0.03	
BD7916	#	35.00 W	2.5866 ± 0.0051	0.0126 ± 0.0001	0.0069 ± 0.0004	0.0003 ± 0.0001	2.4916 ± 0.0178	21.7	96.3	62.1	3.48 ± 0.05	
BD7918	#	35.00 W	2.5678 ± 0.0076	0.0133 ± 0.0002	0.0063 ± 0.0010	0.0001 ± 0.0001	2.5411 ± 0.0354	10.9	99.0	68.2	3.55 ± 0.10	
BD7919	#	35.00 W	2.5498 ± 0.0042	0.0123 ± 0.0001	0.0053 ± 0.0003	0.0001 ± 0.0001	2.5136 ± 0.0162	26.1	98.6	81.2	3.52 ± 0.05	
BD7920	#	35.00 W	2.5693 ± 0.0057	0.0129 ± 0.0001	0.0063 ± 0.0006	0.0002 ± 0.0001	2.5208 ± 0.0261	16.2	98.1	68.2	3.53 ± 0.07	
BD7922	#	35.00 W	2.6213 ± 0.0049	0.0123 ± 0.0001	0.0061 ± 0.0003	0.0003 ± 0.0000	2.5268 ± 0.0115	41.5	96.4	70.6	3.53 ± 0.03	
BD7923	#	35.00 W	2.7564 ± 0.0061	0.0128 ± 0.0002	0.0055 ± 0.0005	0.0007 ± 0.0002	2.5380 ± 0.0465	12.3	92.1	78.6	3.55 ± 0.13	
BD7924	#	35.00 W	2.5421 ± 0.0064	0.0126 ± 0.0001	0.0062 ± 0.0005	0.0000 ± 0.0001	2.5265 ± 0.0262	16.0	99.4	69.3	3.53 ± 0.07	
BD7926	#	35.00 W	2.5405 ± 0.0045	0.0123 ± 0.0001	0.0069 ± 0.0003	0.0000 ± 0.0001	2.5340 ± 0.0155	22.9	99.7	62.4	3.54 ± 0.04	
BD7927	#	35.00 W	2.5465 ± 0.0068	0.0127 ± 0.0001	0.0059 ± 0.0005	0.0001 ± 0.0001	2.5023 ± 0.0207	16.5	98.3	73.2	3.50 ± 0.06	
BD7928	#	35.00 W	2.6370 ± 0.0056	0.0126 ± 0.0001	0.0049 ± 0.0004	0.0005 ± 0.0001	2.4983 ± 0.0177	23.5	94.7	87.5	3.49 ± 0.05	
BD7930	#	35.00 W	2.5418 ± 0.0024	0.0123 ± 0.0001	0.0065 ± 0.0002	0.0001 ± 0.0000	2.5156 ± 0.0100	50.1	99.0	65.9	3.52 ± 0.03	
BD7931	#	35.00 W	2.7189 ± 0.0041	0.0125 ± 0.0001	0.0068 ± 0.0004	0.0007 ± 0.0000	2.5224 ± 0.0126	36.0	92.8	63.7	3.53 ± 0.04	
BD7932	#	35.00 W	2.6165 ± 0.0039	0.0126 ± 0.0001	0.0055 ± 0.0004	0.0003 ± 0.0001	2.5163 ± 0.0181	17.7	96.2	78.2	3.52 ± 0.05	
BD7934	#	35.00 W	3.1143 ± 0.0126	0.0130 ± 0.0002	0.0053 ± 0.0011	0.0022 ± 0.0002	2.4504 ± 0.0665	6.7	78.7	81.2	3.43 ± 0.19	
BD7935	#	35.00 W	3.6998 ± 0.0148	0.0138 ± 0.0003	0.0033 ± 0.0011	0.0039 ± 0.0002	2.5433 ± 0.0612	6.3	68.7	131.1	3.56 ± 0.17	
BD7936	#	35.00 W	2.6642 ± 0.0081	0.0127 ± 0.0002	0.0067 ± 0.0007	0.0005 ± 0.0001	2.5066 ± 0.0274	13.8	94.1	63.7	3.51 ± 0.08	
BD7938	#	35.00 W	2.5550 ± 0.0062	0.0126 ± 0.0002	0.0050 ± 0.0007	0.0001 ± 0.0001	2.5180 ± 0.0372	10.8	98.6	85.2	3.52 ± 0.10	
BD7939	#	35.00 W	2.5464 ± 0.0036	0.0123 ± 0.0002	0.0062 ± 0.0004	0.0002 ± 0.0001	2.4966 ± 0.0217	21.5	98.0	69.6	3.49 ± 0.06	
BD7940	#	35.00 W	2.5512 ± 0.0051	0.0123 ± 0.0001	0.0062 ± 0.0005	0.0001 ± 0.0001	2.5081 ± 0.0205	19.9	98.3	69.9	3.51 ± 0.06	
BD7942	#	35.00 W	2.9801 ± 0.0058	0.0129 ± 0.0002	0.0072 ± 0.0006	0.0019 ± 0.0001	2.4198 ± 0.0373	13.9	81.2	59.8	3.38 ± 0.10	
BD7943	#	35.00 W	3.4156 ± 0.0066	0.0133 ± 0.0002	0.0060 ± 0.0006	0.0031 ± 0.0001	2.4948 ± 0.0310	16.4	73.0	71.6	3.49 ± 0.09	
BD7944	#	35.00 W	2.5108 ± 0.0111	0.0124 ± 0.0002	0.0056 ± 0.0008	0.0003 ± 0.0002	2.4307 ± 0.0519	7.4	96.8	77.3	3.4 ± 0.15	
BD7946	#	35.00 W	3.2898 ± 0.0084	0.0133 ± 0.0002	0.0051 ± 0.0012	0.0025 ± 0.0002	2.5476 ± 0.0695	6.4	77.4	84.6	3.56 ± 0.19	
BD7947	#	35.00 W	2.5663 ± 0.0150	0.0129 ± 0.0003	0.0033 ± 0.0031	0.0003 ± 0.0005	2.4810 ± 0.1411	2.7	96.7	128.4	3.47 ± 0.39	
Weighted Mean from 32 of 32 Analyses:				MSWD	0.80					Age:	3.51 ± 0.04	
Inverse Isochron from 32 of 32 Analyses:				MSWD	0.81	${}^{40}\text{Ar} / {}^{36}\text{Ar} \pm 2\sigma$	291.2 \pm 14.1			Age:	3.51 ± 0.04	

B06-022

Single crystal fusion				Biotite				$J = 0.000776 \pm 0.57\% (1\sigma)^d$				$\mu = 1.0043 \pm 0.05\% (1\sigma)^e$			
BD7585	#	2.50 W	24.8360 ± 0.2100	0.0322 ± 0.0020	0.0340 ± 0.0042	0.0670 ± 0.0023	5.0443 ± 0.6608	0.9	20.3	12.6	7.05 ± 1.84				
BD7586	#	15.00 W	8.0352 ± 0.0187	0.0169 ± 0.0002	0.0027 ± 0.0002	0.0133 ± 0.0001	4.0994 ± 0.0243	25.9	51.0	161.0	5.73 ± 0.07				
BD7588	#	3.00 W	13.1042 ± 0.4541	0.0216 ± 0.0011	0.0708 ± 0.0061	0.0308 ± 0.0020	3.9925 ± 0.5319	1.7	30.5	6.1	5.58 ± 1.48				
BD7589	#	15.00 W	9.4817 ± 0.0247	0.0179 ± 0.0002	0.0165 ± 0.0004	0.0180 ± 0.0001	4.1555 ± 0.0326	21.6	43.8	26.1	5.81 ± 0.09				
BD7591		2.50 W	77.4250 ± 25.0898	0.0460 ± 0.0027	0.0972 ± 0.0474	0.2818 ± 0.0923	0.0000 ± 0.0000	0.5	0.0	4.4	0.00 ± 0.00				
BD7592	#	15.00 W	4.8245 ± 0.0124	0.0146 ± 0.0001	0.0039 ± 0.0003	0.0023 ± 0.0001	4.1317 ± 0.0287	24.5	85.6	110.7	5.77 ± 0.08				
BD7594	#	3.00 W	30.1280 ± 0.4548	0.0310 ± 0.0008	0.0372 ± 0.0021	0.0889 ± 0.0015	3.8661 ± 0.1936	3.3	12.8	11.6	5.40 ± 0.54				
BD7595	#	15.00 W	5.5351 ± 0.0070	0.0149 ± 0.0001	0.0224 ± 0.0004	0.0047 ± 0.0000	4.1413 ± 0.0146	93.5	74.8	19.2	5.79 ± 0.04				
BD7597		2.50 W	214.6383 ± #####	0.0511 ± 0.0010	0.1468 ± 0.1365	0.7632 ± 0.6678	0.0000 ± 0.0000	0.9	0.0	2.9	0.00 ± 0.00				
BD7598	#	15.00 W	5.2441 ± 0.0159	0.0146 ± 0.0001	0.0230 ± 0.0003	0.0038 ± 0.0000	4.1129 ± 0.0159	94.1	78.4	18.7	5.75 ± 0.04				
BD7600	#	3.00 W	19.2161 ± 2.1779	0.0222 ± 0.0005	0.0802 ± 0.0109	0.0503 ± 0.0057	4.3547 ± 1.0577	2.6	22.7	5.4	6.09 ± 2.95				
BD7601	#	15.00 W	4.4407 ± 0.0237	0.0142 ± 0.0001	0.0214 ± 0.0004	0.0010 ± 0.0000	4.1312 ± 0.0246	59.5	93.0	20.1	5.77 ± 0.07				
Weighted Mean from 10 of 12 Analyses:				MSWD	0.86							Age:	5.77 ± 0.07		
Inverse Isochron from 10 of 12 Analyses:				MSWD	0.91	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	294.6 ± 2.8					Age:	5.78 ± 0.07		

B06-023

Single crystal fusion				Biotite				$J = 0.0008127 \pm 0.31\% (1\sigma)^d$				$\mu = 1.0035 \pm 0.02\% (1\sigma)^e$			
BE0453		20.00 W	2.8215 ± 0.0071	0.0138 ± 0.0001	0.0167 ± 0.0003	0.0010 ± 0.0000	2.5285 ± 0.0128	48.6	89.6	25.8	3.70 ± 0.04				
BE0455	#	20.00 W	3.4348 ± 0.0073	0.0146 ± 0.0001	0.0450 ± 0.0006	0.0033 ± 0.0000	2.4702 ± 0.0124	71.6	71.9	9.6	3.62 ± 0.04				
BE0456	#	20.00 W	3.1364 ± 0.0104	0.0146 ± 0.0001	0.0286 ± 0.0005	0.0023 ± 0.0001	2.4713 ± 0.0208	30.2	78.8	15.0	3.62 ± 0.06				
BE0458	#	20.00 W	3.0657 ± 0.0083	0.0144 ± 0.0001	0.0317 ± 0.0005	0.0020 ± 0.0000	2.4781 ± 0.0123	43.5	80.8	13.6	3.63 ± 0.04				
BE0459	#	20.00 W	2.8870 ± 0.0087	0.0138 ± 0.0001	0.0032 ± 0.0002	0.0014 ± 0.0001	2.4797 ± 0.0175	37.3	85.9	133.9	3.63 ± 0.05				
BE0461	#	20.00 W	3.1750 ± 0.0069	0.0145 ± 0.0001	0.0398 ± 0.0007	0.0024 ± 0.0000	2.4614 ± 0.0151	48.7	77.5	10.8	3.61 ± 0.04				
BE0462	#	20.00 W	2.7761 ± 0.0052	0.0138 ± 0.0001	0.0122 ± 0.0002	0.0011 ± 0.0000	2.4382 ± 0.0094	60.8	87.8	35.2	3.57 ± 0.03				
BE0464	#	20.00 W	2.8887 ± 0.0052	0.0143 ± 0.0001	0.0269 ± 0.0005	0.0015 ± 0.0000	2.4529 ± 0.0112	57.2	84.9	16.0	3.59 ± 0.03				
BE0465	#	20.00 W	2.7323 ± 0.0100	0.0141 ± 0.0001	0.0365 ± 0.0007	0.0009 ± 0.0000	2.4635 ± 0.0152	30.9	90.2	11.8	3.61 ± 0.04				
BE0467	#	20.00 W	3.0860 ± 0.0080	0.0140 ± 0.0001	0.0211 ± 0.0003	0.0020 ± 0.0000	2.4819 ± 0.0162	38.3	80.4	20.4	3.64 ± 0.05				
Weighted Mean from 9 of 10 Analyses:				MSWD	1.49							Age:	3.61 ± 0.03		
Inverse Isochron from 9 of 10 Analyses:				MSWD	1.17	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	307.5 ± 13.8					Age:	3.57 ± 0.04		

B06-024

Single crystal fusion											$J = 0.0008127 \pm 0.31\% (1\sigma)^d$	$\mu = 1.0035 \pm 0.02\% (1\sigma)^e$
BE0468	#	20.00 W	3.6519 ± 0.0054	0.0153 ± 0.0001	0.0375 ± 0.0006	0.0040 ± 0.0000	2.4680 ± 0.0095	52.4	67.6	11.5	3.61 ± 0.03	
BE0470	#	20.00 W	3.5045 ± 0.0065	0.0147 ± 0.0001	0.0332 ± 0.0005	0.0036 ± 0.0000	2.4365 ± 0.0098	54.3	69.5	13.0	3.57 ± 0.03	
BE0471	#	20.00 W	3.4785 ± 0.0160	0.0146 ± 0.0002	0.0772 ± 0.0012	0.0033 ± 0.0001	2.5134 ± 0.0260	17.0	72.3	5.6	3.68 ± 0.08	
BE0473	#	20.00 W	3.3296 ± 0.0276	0.0151 ± 0.0002	0.0396 ± 0.0016	0.0027 ± 0.0003	2.5272 ± 0.0781	9.2	75.9	10.9	3.70 ± 0.23	
BE0474	#	20.00 W	3.4839 ± 0.0117	0.0150 ± 0.0001	0.0840 ± 0.0013	0.0035 ± 0.0001	2.4549 ± 0.0231	23.1	70.5	5.1	3.60 ± 0.07	
BE0476	#	20.00 W	3.6466 ± 0.0098	0.0151 ± 0.0002	0.0943 ± 0.0014	0.0041 ± 0.0001	2.4396 ± 0.0198	25.4	66.9	4.6	3.57 ± 0.06	
BE0477	#	20.00 W	3.4015 ± 0.0082	0.0146 ± 0.0001	0.0148 ± 0.0006	0.0033 ± 0.0001	2.4356 ± 0.0296	16.4	71.6	29.0	3.57 ± 0.09	
BE0479	#	20.00 W	3.2774 ± 0.0036	0.0147 ± 0.0001	0.0343 ± 0.0005	0.0029 ± 0.0000	2.4332 ± 0.0140	48.5	74.2	12.5	3.56 ± 0.04	
BE0480	#	20.00 W	3.2734 ± 0.0133	0.0155 ± 0.0002	0.0311 ± 0.0012	0.0028 ± 0.0002	2.4424 ± 0.0627	7.6	74.6	13.8	3.58 ± 0.18	
BE0482	#	20.00 W	3.5284 ± 0.0099	0.0147 ± 0.0002	0.0521 ± 0.0010	0.0037 ± 0.0001	2.4473 ± 0.0386	16.1	69.4	8.3	3.58 ± 0.11	
BE0483	#	20.00 W	3.7956 ± 0.0147	0.0151 ± 0.0003	0.0341 ± 0.0017	0.0046 ± 0.0002	2.4337 ± 0.0551	7.9	64.1	12.6	3.56 ± 0.16	
BE0485	#	20.00 W	3.4696 ± 0.0083	0.0150 ± 0.0001	0.0128 ± 0.0006	0.0033 ± 0.0001	2.4845 ± 0.0228	21.0	71.6	33.7	3.64 ± 0.07	
BE0486	#	20.00 W	3.8564 ± 0.0042	0.0147 ± 0.0001	0.0991 ± 0.0014	0.0049 ± 0.0001	2.4238 ± 0.0222	36.8	62.8	4.3	3.55 ± 0.06	
Weighted Mean from 13 of 13 Analyses:											Age: 3.59 ± 0.03	
Inverse Isochron from 13 of 13 Analyses:											Age: 3.56 ± 0.15	

B06-024

Single crystal fusion											$J = 0.0008067 \pm 0.32\% (1\sigma)^d$	$\mu = 1.003 \pm 0.02\% (1\sigma)^e$
BD9925	#	35.00 W	2.8672 ± 0.0057	0.0129 ± 0.0001	0.0068 ± 0.0002	0.0015 ± 0.0001	2.4243 ± 0.0166	26.1	84.6	62.8	3.52 ± 0.05	
BD9926	#	35.00 W	2.6080 ± 0.0056	0.0129 ± 0.0001	0.0068 ± 0.0003	0.0006 ± 0.0001	2.4214 ± 0.0240	14.8	92.8	63.0	3.52 ± 0.07	
BD9928	#	35.00 W	2.5835 ± 0.0029	0.0123 ± 0.0001	0.0072 ± 0.0001	0.0005 ± 0.0000	2.4208 ± 0.0092	33.6	93.7	59.8	3.52 ± 0.03	
BD9929	#	35.00 W	2.6690 ± 0.0051	0.0127 ± 0.0001	0.0075 ± 0.0002	0.0009 ± 0.0001	2.3970 ± 0.0176	25.6	89.8	57.1	3.49 ± 0.05	
BD9931	#	35.00 W	2.5313 ± 0.0051	0.0123 ± 0.0001	0.0066 ± 0.0003	0.0005 ± 0.0001	2.3808 ± 0.0195	16.4	94.1	65.5	3.46 ± 0.06	
BD9932	#	35.00 W	3.0451 ± 0.0106	0.0129 ± 0.0001	0.0071 ± 0.0002	0.0021 ± 0.0001	2.4300 ± 0.0267	16.3	79.8	60.4	3.53 ± 0.08	
BD9934	#	35.00 W	2.5430 ± 0.0060	0.0125 ± 0.0001	0.0065 ± 0.0002	0.0005 ± 0.0001	2.3982 ± 0.0171	18.7	94.3	65.9	3.49 ± 0.05	
BD9935	#	35.00 W	2.9392 ± 0.0114	0.0125 ± 0.0003	0.0102 ± 0.0005	0.0017 ± 0.0001	2.4254 ± 0.0390	10.8	82.5	42.3	3.53 ± 0.11	
BD9937	#	35.00 W	2.4232 ± 0.0064	0.0125 ± 0.0003	0.0058 ± 0.0003	0.0001 ± 0.0001	2.3824 ± 0.0300	12.4	98.3	73.7	3.46 ± 0.09	
BD9938	#	35.00 W	2.5381 ± 0.0094	0.0127 ± 0.0002	0.0078 ± 0.0004	0.0005 ± 0.0001	2.3890 ± 0.0367	11.2	94.1	55.0	3.47 ± 0.11	
BD9940	#	35.00 W	2.4926 ± 0.0041	0.0125 ± 0.0002	0.0059 ± 0.0002	0.0002 ± 0.0001	2.4195 ± 0.0202	18.8	97.1	73.1	3.52 ± 0.06	
BD9941	#	35.00 W	2.7299 ± 0.0048	0.0125 ± 0.0001	0.0089 ± 0.0002	0.0010 ± 0.0001	2.4448 ± 0.0251	15.4	89.6	48.1	3.55 ± 0.07	
BD9943	#	35.00 W	3.1994 ± 0.0107	0.0130 ± 0.0002	0.0070 ± 0.0005	0.0025 ± 0.0002	2.4637 ± 0.0492	7.8	77.0	61.5	3.58 ± 0.14	
BD9944	#	35.00 W	2.9939 ± 0.0090	0.0127 ± 0.0002	0.0083 ± 0.0004	0.0020 ± 0.0001	2.3977 ± 0.0365	11.3	80.1	52.0	3.49 ± 0.11	
BD9946	#	35.00 W	2.5660 ± 0.0092	0.0127 ± 0.0003	0.0073 ± 0.0005	0.0005 ± 0.0002	2.4179 ± 0.0518	6.8	94.2	59.2	3.52 ± 0.15	
BD9947	#	35.00 W	2.7893 ± 0.0066	0.0129 ± 0.0002	0.0067 ± 0.0003	0.0011 ± 0.0001	2.4571 ± 0.0262	11.1	88.1	63.8	3.57 ± 0.08	
BD9949	#	35.00 W	2.7094 ± 0.0054	0.0125 ± 0.0001	0.0074 ± 0.0002	0.0010 ± 0.0001	2.4239 ± 0.0220	19.8	89.5	58.3	3.52 ± 0.06	
BD9950	#	35.00 W	2.5704 ± 0.0095	0.0130 ± 0.0002	0.0064 ± 0.0003	0.0006 ± 0.0001	2.4061 ± 0.0449	9.3	93.6	67.5	3.50 ± 0.13	
BD9952	#	35.00 W	2.5959 ± 0.0061	0.0125 ± 0.0001	0.0064 ± 0.0002	0.0005 ± 0.0001	2.4341 ± 0.0289	14.2	93.8	67.2	3.54 ± 0.08	
BD9953	#	35.00 W	2.9520 ± 0.0083	0.0129 ± 0.0001	0.0084 ± 0.0003	0.0019 ± 0.0001	2.4028 ± 0.0360	11.5	81.4	51.3	3.49 ± 0.10	

BD9955	#	35.00 W	3.5139 ± 0.0049	0.0134 ± 0.0002	0.0086 ± 0.0004	0.0036 ± 0.0001	2.4451 ± 0.0348	10.2	69.6	50.2	3.55 ± 0.10
BD9956	#	35.00 W	2.6214 ± 0.0079	0.0124 ± 0.0002	0.0074 ± 0.0003	0.0007 ± 0.0002	2.4289 ± 0.0502	7.8	92.7	58.5	3.53 ± 0.15
Weighted Mean from 22 of 22 Analyses:				MSWD	0.70					Age:	3.51 ± 0.03
Inverse Isochron from 22 of 22 Analyses:				MSWD	0.58	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	309.1 ± 16.0			Age:	3.50 ± 0.03

B06-025

Single crystal fusion				Biotite				$J = 0.0008127 \pm 0.31 \% (1\sigma)d$				$\mu = 1.0035 \pm 0.02 \% (1\sigma)^e$	
BE0488	#	20.00 W	3.3393 ± 0.0052	0.0141 ± 0.0001	0.0198 ± 0.0005	0.0030 ± 0.0001	2.4507 ± 0.0173	27.4	73.4	21.7	3.59 ± 0.05		
BE0489	#	20.00 W	2.8257 ± 0.0104	0.0142 ± 0.0002	0.0130 ± 0.0009	0.0015 ± 0.0002	2.3965 ± 0.0489	10.2	84.8	33.0	3.51 ± 0.14		
BE0491	#	20.00 W	3.5164 ± 0.0232	0.0148 ± 0.0002	0.0029 ± 0.0013	0.0036 ± 0.0002	2.4483 ± 0.0749	5.2	69.6	150.0	3.59 ± 0.22		
BE0492	#	20.00 W	3.4085 ± 0.0098	0.0141 ± 0.0002	0.0107 ± 0.0005	0.0034 ± 0.0001	2.3995 ± 0.0436	14.6	70.4	40.1	3.51 ± 0.13		
BE0494	#	20.00 W	4.1101 ± 0.0113	0.0146 ± 0.0002	0.0219 ± 0.0005	0.0058 ± 0.0001	2.3965 ± 0.0304	17.9	58.3	19.7	3.51 ± 0.09		
BE0495	#	20.00 W	3.1769 ± 0.0112	0.0145 ± 0.0002	0.0067 ± 0.0007	0.0026 ± 0.0001	2.4124 ± 0.0402	10.8	75.9	63.8	3.53 ± 0.12		
BE0497	#	20.00 W	3.7614 ± 0.0092	0.0145 ± 0.0001	0.0160 ± 0.0007	0.0046 ± 0.0002	2.4123 ± 0.0467	13.9	64.1	26.9	3.53 ± 0.14		
BE0498	#	20.00 W	3.3822 ± 0.0078	0.0144 ± 0.0001	0.0122 ± 0.0006	0.0033 ± 0.0001	2.4183 ± 0.0311	20.8	71.5	35.2	3.54 ± 0.09		
BE0500	#	20.00 W	5.1498 ± 0.0044	0.0156 ± 0.0001	0.0621 ± 0.0009	0.0092 ± 0.0000	2.4341 ± 0.0080	59.9	47.3	6.9	3.57 ± 0.02		
BE0501	#	20.00 W	3.3648 ± 0.0107	0.0144 ± 0.0002	0.0036 ± 0.0006	0.0031 ± 0.0001	2.4472 ± 0.0339	14.4	72.7	118.1	3.58 ± 0.10		
BE0503	#	20.00 W	6.5435 ± 0.0094	0.0163 ± 0.0000	0.0483 ± 0.0007	0.0139 ± 0.0000	2.4394 ± 0.0136	84.9	37.3	8.9	3.57 ± 0.04		
BE0504	#	20.00 W	5.2857 ± 0.0106	0.0157 ± 0.0001	0.0274 ± 0.0005	0.0097 ± 0.0000	2.4226 ± 0.0127	50.3	45.8	15.7	3.55 ± 0.04		
BE0506	#	20.00 W	3.1778 ± 0.0107	0.0146 ± 0.0002	0.0038 ± 0.0004	0.0025 ± 0.0001	2.4280 ± 0.0346	11.5	76.4	113.0	3.56 ± 0.10		
Weighted Mean from 13 of 13 Analy				MSWD	0.45					Age:	3.56 ± 0.03		
Inverse Isochron from 13 of 13 Analys				MSWD	0.48	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	296.2 ± 3.1			Age:	3.55 ± 0.05		

B06-027

Single crystal fusion				Biotite				$J = 0.0008127 \pm 0.31 \% (1\sigma)d$				$\mu = 1.0035 \pm 0.02 \% (1\sigma)^e$	
BE0507	#	20.00 W	4.8474 ± 0.0197	0.0162 ± 0.0002	0.0083 ± 0.0020	0.0076 ± 0.0004	2.5985 ± 0.1270	4.5	53.6	51.7	3.81 ± 0.37		
BE0509		20.00 W	10.6535 ± 0.0220	0.0192 ± 0.0002	0.0313 ± 0.0008	0.0264 ± 0.0001	2.8500 ± 0.0385	11.2	26.8	13.7	4.17 ± 0.11		
BE0510	#	20.00 W	5.2587 ± 0.0105	0.0156 ± 0.0001	0.0472 ± 0.0011	0.0087 ± 0.0002	2.6816 ± 0.0511	9.9	51.0	9.1	3.93 ± 0.15		
BE0512		20.00 W	10.9350 ± 0.0350	0.0190 ± 0.0005	0.0088 ± 0.0014	0.0270 ± 0.0004	2.9496 ± 0.1156	5.9	27.0	48.8	4.32 ± 0.34		
BE0513	#	20.00 W	7.6796 ± 0.0175	0.0170 ± 0.0002	0.0348 ± 0.0010	0.0171 ± 0.0002	2.6288 ± 0.0509	14.8	34.2	12.3	3.85 ± 0.15		
BE0516		20.00 W	6.1573 ± 0.0150	0.0162 ± 0.0002	0.0413 ± 0.0010	0.0113 ± 0.0002	2.8108 ± 0.0519	9.8	45.6	10.4	4.12 ± 0.15		
BE0518		20.00 W	10.5801 ± 0.0450	0.0197 ± 0.0003	0.0423 ± 0.0021	0.0264 ± 0.0005	2.7928 ± 0.1499	4.3	26.4	10.2	4.09 ± 0.44		
BE0519	#	20.00 W	5.4431 ± 0.0123	0.0157 ± 0.0001	0.0368 ± 0.0009	0.0094 ± 0.0001	2.6563 ± 0.0395	16.0	48.8	11.7	3.89 ± 0.12		
BE0521	#	20.00 W	15.6108 ± 0.0401	0.0220 ± 0.0003	0.0116 ± 0.0006	0.0438 ± 0.0002	2.6815 ± 0.0692	10.9	17.2	36.9	3.93 ± 0.20		
BE0522		20.00 W	22.9613 ± 0.0899	0.0271 ± 0.0005	0.0178 ± 0.0013	0.0671 ± 0.0004	3.1461 ± 0.1116	4.8	13.7	24.1	4.61 ± 0.33		
BE0524		20.00 W	10.7600 ± 0.0159	0.0189 ± 0.0001	0.0793 ± 0.0014	0.0269 ± 0.0002	2.8305 ± 0.0607	18.3	26.3	5.4	4.15 ± 0.18		
BE0525	#	20.00 W	14.7680 ± 0.1332	0.0226 ± 0.0005	0.1627 ± 0.0064	0.0408 ± 0.0008	2.7143 ± 0.2076	2.3	18.4	2.6	3.98 ± 0.61		

Weighted Mean from 6 of 12 Analys	MSWD	0.19					Age:	3.89 ± 0.07
Inverse Isochron from 6 of 12 Analyse	MSWD	0.22	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	296.1 ± 4.2			Age:	3.88 ± 0.12

B06-029

Single crystal fusion				$J = 0.000776 \pm 0.57\% (1\sigma)d$				$\mu = 1.0026 \pm 0.015\% (1\sigma)^e$			
BD8735	#	20.00 W	11.5005 ± 0.0635	0.0183 ± 0.0003	0.0189 ± 0.0031	0.0181 ± 0.0006	6.1611 ± 0.1674	7.6	53.6	22.7	8.60 ± 0.47
BD8736	#	20.00 W	10.1493 ± 0.0385	0.0168 ± 0.0001	0.0144 ± 0.0027	0.0136 ± 0.0005	6.1450 ± 0.1389	9.3	60.5	29.9	8.58 ± 0.39
BD8738	#	20.00 W	10.3299 ± 0.0238	0.0168 ± 0.0001	0.0447 ± 0.0017	0.0145 ± 0.0002	6.0495 ± 0.0763	19.1	58.6	9.6	8.45 ± 0.21
BD8739	#	20.00 W	8.9735 ± 0.0455	0.0168 ± 0.0003	0.0281 ± 0.0050	0.0106 ± 0.0006	5.8430 ± 0.1789	6.8	65.1	15.3	8.16 ± 0.50
BD8741	#	20.00 W	10.4369 ± 0.0129	0.0166 ± 0.0001	0.0037 ± 0.0004	0.0151 ± 0.0001	5.9732 ± 0.0221	67.3	57.2	115.1	8.34 ± 0.06
BD8742	#	20.00 W	11.9779 ± 0.0238	0.0176 ± 0.0002	0.0166 ± 0.0015	0.0201 ± 0.0003	6.0424 ± 0.0812	25.4	50.4	26.0	8.44 ± 0.23
BD8744	#	20.00 W	11.8280 ± 0.0162	0.0172 ± 0.0001	0.0769 ± 0.0022	0.0196 ± 0.0001	6.0456 ± 0.0342	49.0	51.1	5.6	8.44 ± 0.10
BD8745	#	20.00 W	8.3882 ± 0.0253	0.0154 ± 0.0003	0.0076 ± 0.0018	0.0079 ± 0.0001	6.0506 ± 0.0382	16.6	72.1	56.3	8.45 ± 0.11
BD8747	#	20.00 W	19.6993 ± 0.0503	0.0228 ± 0.0001	0.0218 ± 0.0023	0.0463 ± 0.0002	6.0074 ± 0.0602	14.0	30.5	19.7	8.39 ± 0.17
BD8748	#	20.00 W	9.7454 ± 0.0464	0.0160 ± 0.0002	0.0288 ± 0.0030	0.0125 ± 0.0002	6.0583 ± 0.0664	9.9	62.2	14.9	8.46 ± 0.19
BD8750	#	20.00 W	12.4664 ± 0.0271	0.0179 ± 0.0002	0.0189 ± 0.0011	0.0219 ± 0.0002	6.0081 ± 0.0571	30.6	48.2	22.8	8.39 ± 0.16
BD8751	#	20.00 W	6.8566 ± 0.0436	0.0151 ± 0.0003	0.0065 ± 0.0027	0.0026 ± 0.0001	6.0861 ± 0.0599	8.7	88.8	66.2	8.50 ± 0.17
Weighted Mean from 12 of 12 Analy			MSWD	0.91						Age:	8.40 ± 0.10
Inverse Isochron from 12 of 12 Analy			MSWD	0.97	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	294.6 ± 3.2				Age:	8.42 ± 0.13

B06-030

Single crystal fusion				$J = 0.0008127 \pm 0.31\% (1\sigma)d$				$\mu = 1.0035 \pm 0.02\% (1\sigma)^e$			
BE0527	#	20.00 W	5.2530 ± 0.0054	0.0146 ± 0.0001	0.0299 ± 0.0005	0.0043 ± 0.0000	3.9751 ± 0.0085	82.0	75.7	14.4	5.82 ± 0.02
BE0528	#	20.00 W	5.7909 ± 0.0100	0.0149 ± 0.0002	0.0179 ± 0.0005	0.0060 ± 0.0001	4.0101 ± 0.0298	25.9	69.2	24.0	5.87 ± 0.09
BE0530	#	20.00 W	4.7453 ± 0.0124	0.0143 ± 0.0002	0.0078 ± 0.0004	0.0025 ± 0.0001	3.9981 ± 0.0197	27.2	84.3	55.1	5.85 ± 0.06
BE0531	#	20.00 W	4.6248 ± 0.0067	0.0142 ± 0.0001	0.0173 ± 0.0004	0.0022 ± 0.0000	3.9791 ± 0.0118	41.6	86.0	24.8	5.82 ± 0.03
BE0533	#	20.00 W	4.9513 ± 0.0230	0.0147 ± 0.0001	0.0004 ± 0.0004	0.0032 ± 0.0001	3.9998 ± 0.0415	10.7	80.8	1018.3	5.85 ± 0.12
BE0534	#	20.00 W	5.6647 ± 0.0196	0.0150 ± 0.0001	0.0225 ± 0.0005	0.0057 ± 0.0001	3.9720 ± 0.0455	14.4	70.1	19.1	5.81 ± 0.13
BE0536	#	20.00 W	5.3294 ± 0.0239	0.0148 ± 0.0002	0.0052 ± 0.0006	0.0045 ± 0.0001	3.9913 ± 0.0421	11.3	74.9	83.0	5.84 ± 0.12
BE0537	#	20.00 W	5.7114 ± 0.0346	0.0153 ± 0.0003	0.0039 ± 0.0007	0.0057 ± 0.0002	4.0309 ± 0.0651	8.2	70.6	110.8	5.90 ± 0.19
BE0539	#	20.00 W	4.9334 ± 0.0286	0.0146 ± 0.0002	0.0008 ± 0.0008	0.0030 ± 0.0001	4.0432 ± 0.0509	8.2	82.0	537.7	5.92 ± 0.15
BE0540	#	20.00 W	5.1483 ± 0.0060	0.0147 ± 0.0000	0.0275 ± 0.0004	0.0038 ± 0.0001	4.0162 ± 0.0217	53.6	78.0	15.6	5.88 ± 0.06
BE0542	#	20.00 W	5.1260 ± 0.0052	0.0143 ± 0.0001	0.0199 ± 0.0003	0.0039 ± 0.0000	3.9821 ± 0.0080	74.7	77.7	21.6	5.83 ± 0.02
BE0543	#	20.00 W	5.4344 ± 0.0153	0.0151 ± 0.0001	0.0192 ± 0.0005	0.0048 ± 0.0001	4.0134 ± 0.0271	23.1	73.9	22.4	5.87 ± 0.08
Weighted Mean from 12 of 12 Analy			MSWD	0.74						Age:	5.83 ± 0.04
Inverse Isochron from 12 of 12 Analy			MSWD	0.80	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	297.2 ± 10.4				Age:	5.82 ± 0.07

B06-031

Single crystal fusion Biotite											
$J = 0.000776 \pm 0.57\% (1\sigma)d$ $\mu = 1.0026 \pm 0.015\% (1\sigma)^e$											
BD8753 #	20.00 W	6.4781 ± 0.0791	0.0151 ± 0.0002	0.0375 ± 0.0029	0.0014 ± 0.0001	6.0623 ± 0.0815	12.3	93.6	11.5	8.47 ± 0.23	
BD8754 #	20.00 W	7.3272 ± 0.0922	0.0157 ± 0.0002	0.0504 ± 0.0028	0.0043 ± 0.0003	6.0544 ± 0.1152	11.1	82.6	8.5	8.46 ± 0.32	
BD8756 #	20.00 W	7.4901 ± 0.9633	0.0204 ± 0.0007	0.1488 ± 0.0306	0.0025 ± 0.0013	6.7655 ± 0.9896	1.1	90.3	2.9	9.45 ± 2.76	
BD8757 #	20.00 W	6.7290 ± 0.0843	0.0154 ± 0.0002	0.0603 ± 0.0032	0.0024 ± 0.0001	6.0112 ± 0.0911	11.7	89.3	7.1	8.40 ± 0.25	
BD8759 #	20.00 W	6.7937 ± 0.0633	0.0151 ± 0.0001	0.0612 ± 0.0026	0.0026 ± 0.0001	6.0186 ± 0.0683	15.8	88.6	7.0	8.41 ± 0.19	
BD8760 #	20.00 W	7.1939 ± 0.0742	0.0154 ± 0.0001	0.0143 ± 0.0019	0.0039 ± 0.0002	6.0454 ± 0.0835	13.8	84.0	30.1	8.44 ± 0.23	
BD8762 #	20.00 W	7.1100 ± 0.0471	0.0155 ± 0.0001	0.0606 ± 0.0022	0.0037 ± 0.0001	6.0203 ± 0.0516	21.7	84.7	7.1	8.41 ± 0.14	
BD8763 #	20.00 W	6.9382 ± 0.0653	0.0154 ± 0.0002	0.0528 ± 0.0023	0.0031 ± 0.0001	6.0337 ± 0.0667	15.5	87.0	8.1	8.43 ± 0.19	
BD8765 #	20.00 W	7.0563 ± 0.0711	0.0149 ± 0.0002	0.0523 ± 0.0027	0.0034 ± 0.0001	6.0515 ± 0.0747	14.7	85.8	8.2	8.45 ± 0.21	
BD8766 #	20.00 W	6.6303 ± 0.0223	0.0149 ± 0.0001	0.0575 ± 0.0017	0.0021 ± 0.0001	6.0103 ± 0.0262	45.7	90.6	7.5	8.39 ± 0.07	
BD8768 #	20.00 W	6.9808 ± 0.0643	0.0156 ± 0.0001	0.0391 ± 0.0023	0.0032 ± 0.0001	6.0249 ± 0.0661	15.9	86.3	11.0	8.41 ± 0.18	
BD8769 #	20.00 W	7.3133 ± 0.0550	0.0157 ± 0.0001	0.0745 ± 0.0029	0.0044 ± 0.0001	6.0123 ± 0.0545	19.0	82.2	5.8	8.40 ± 0.15	
Weighted Mean from 12 of 12 Analy		MSWD	0.13						Age:	8.41 ± 0.11	
Inverse Isochron from 12 of 12 Analys		MSWD	0.15	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	299.3 ± 38.8				Age:	8.40 ± 0.19	

B06-032

Single crystal fusion Biotite											
$J = 0.000776 \pm 0.57\% (1\sigma)d$ $\mu = 1.0026 \pm 0.015\% (1\sigma)^e$											
BD8771 #	20.00 W	7.0793 ± 0.0351	0.0161 ± 0.0002	0.0218 ± 0.0019	0.0038 ± 0.0001	5.9457 ± 0.0495	11.0	84.0	19.7	8.3 ± 0.140	
BD8772 #	20.00 W	6.8962 ± 0.0240	0.0153 ± 0.0002	0.0195 ± 0.0011	0.0029 ± 0.0001	6.0273 ± 0.0333	21.1	87.4	22.0	8.42 ± 0.090	
BD8774 #	20.00 W	6.7341 ± 0.0374	0.0154 ± 0.0002	0.0297 ± 0.0020	0.0028 ± 0.0001	5.9202 ± 0.0518	9.7	87.9	14.5	8.27 ± 0.140	
BD8775 #	20.00 W	7.2568 ± 0.0185	0.0160 ± 0.0001	0.0339 ± 0.0016	0.0044 ± 0.0001	5.9544 ± 0.0236	24.8	82.1	12.7	8.32 ± 0.070	
BD8777 #	20.00 W	6.9639 ± 0.0203	0.0154 ± 0.0001	0.0296 ± 0.0012	0.0033 ± 0.0001	6.0028 ± 0.0253	26.8	86.2	14.5	8.38 ± 0.070	
BD8778 #	20.00 W	6.5578 ± 0.0320	0.0157 ± 0.0002	0.0222 ± 0.0024	0.0020 ± 0.0001	5.9705 ± 0.0397	12.2	91.0	19.3	8.34 ± 0.110	
BD8780 #	20.00 W	6.4453 ± 0.0143	0.0152 ± 0.0001	0.0490 ± 0.0015	0.0016 ± 0.0001	5.9902 ± 0.0212	31.3	92.9	8.8	8.37 ± 0.060	
BD8781 #	20.00 W	6.6251 ± 0.0192	0.0155 ± 0.0001	0.0651 ± 0.0019	0.0020 ± 0.0001	6.0469 ± 0.0365	21.8	91.3	6.6	8.45 ± 0.100	
BD8783 #	20.00 W	7.1010 ± 0.0293	0.0150 ± 0.0002	0.0329 ± 0.0015	0.0038 ± 0.0001	5.9942 ± 0.0454	16.3	84.4	13.1	8.37 ± 0.130	
BD8784 #	20.00 W	6.7825 ± 0.0184	0.0152 ± 0.0001	0.0380 ± 0.0012	0.0026 ± 0.0001	6.0268 ± 0.0303	29.5	88.9	11.3	8.42 ± 0.080	
BD8786 #	20.00 W	7.7166 ± 0.0407	0.0162 ± 0.0003	0.0537 ± 0.0027	0.0058 ± 0.0002	5.9977 ± 0.0658	11.7	77.7	8.0	8.38 ± 0.180	
BD8787 #	20.00 W	6.8435 ± 0.0189	0.0158 ± 0.0002	0.0574 ± 0.0019	0.0029 ± 0.0001	5.9793 ± 0.0289	25.8	87.4	7.5	8.35 ± 0.080	
Weighted Mean from 12 of 12 Analy		MSWD	0.97						Age:	8.370 ± 0.100	
Inverse Isochron from 12 of 12 Analys		MSWD	0.95	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	285.8 ± 17.7				Age:	8.410 ± 0.120	

B06-035

Single crystal fusion		Biotite		$J = 0.000776 \pm 0.57\% (1\sigma)d$						$\mu = 1.0026 \pm 0.015\% (1\sigma)^e$	
BD8789	# 20.00 W	6.8170 ± 0.0265	0.0154 ± 0.0001	0.0530 ± 0.0016	0.0028 ± 0.0001	6.0045 ± 0.0336	32.4	88.1	8.1	8.39 ± 0.09	
BD8790	# 20.00 W	7.0959 ± 0.0279	0.0155 ± 0.0001	0.0531 ± 0.0019	0.0037 ± 0.0001	6.0149 ± 0.0343	34.5	84.8	8.1	8.40 ± 0.10	
BD8792	# 20.00 W	8.4946 ± 0.0294	0.0162 ± 0.0001	0.0881 ± 0.0026	0.0083 ± 0.0001	6.0371 ± 0.0388	32.0	71.1	4.9	8.43 ± 0.11	
BD8793	# 20.00 W	6.9227 ± 0.0226	0.0153 ± 0.0001	0.0726 ± 0.0021	0.0031 ± 0.0001	6.0142 ± 0.0276	41.3	86.9	5.9	8.40 ± 0.08	
BD8795	# 20.00 W	6.8273 ± 0.0256	0.0153 ± 0.0001	0.0394 ± 0.0014	0.0027 ± 0.0001	6.0367 ± 0.0315	35.5	88.4	10.9	8.43 ± 0.09	
BD8796	# 20.00 W	7.0553 ± 0.0437	0.0159 ± 0.0001	0.0341 ± 0.0020	0.0035 ± 0.0001	6.0320 ± 0.0545	19.7	85.5	12.6	8.42 ± 0.15	
BD8798	# 20.00 W	6.9941 ± 0.0177	0.0152 ± 0.0001	0.0744 ± 0.0023	0.0032 ± 0.0000	6.0407 ± 0.0217	54.6	86.4	5.8	8.44 ± 0.06	
BD8799	# 20.00 W	6.6383 ± 0.0247	0.0157 ± 0.0001	0.0581 ± 0.0021	0.0020 ± 0.0001	6.0384 ± 0.0289	38.7	91.0	7.4	8.43 ± 0.08	
BD8801	# 20.00 W	6.4803 ± 0.0290	0.0155 ± 0.0002	0.0529 ± 0.0022	0.0016 ± 0.0001	6.0187 ± 0.0391	29.7	92.9	8.1	8.41 ± 0.11	
BD8802	# 20.00 W	6.9754 ± 0.0299	0.0153 ± 0.0001	0.0466 ± 0.0016	0.0032 ± 0.0001	6.0383 ± 0.0349	36.4	86.6	9.2	8.43 ± 0.10	
BD8804	# 20.00 W	6.9325 ± 0.0230	0.0157 ± 0.0001	0.0570 ± 0.0018	0.0031 ± 0.0001	6.0326 ± 0.0298	39.2	87.0	7.5	8.43 ± 0.08	
BD8805	# 20.00 W	6.8897 ± 0.0400	0.0154 ± 0.0001	0.0717 ± 0.0026	0.0028 ± 0.0001	6.0533 ± 0.0507	23.4	87.9	6.0	8.45 ± 0.14	
Weighted Mean from 12 of 12 Analy		MSWD	0.17						Age:	8.42 ± 0.10	
Inverse Isochron from 12 of 12 Analys		MSWD	0.18	${}^{40}\text{Ar} / {}^{36}\text{Ar} \pm 2\sigma$	296.7 ± 13.7				Age:	8.42 ± 0.12	

B06-036

Single crystal fusion		Biotite		$J = 0.0008127 \pm 0.31\% (1\sigma)d$						$\mu = 1.0035 \pm 0.02\% (1\sigma)^e$	
BE0545	# 20.00 W	2.8963 ± 0.0043	0.0142 ± 0.0001	0.0480 ± 0.0007	0.0031 ± 0.0001	1.9924 ± 0.0154	54.4	68.8	9.0	2.92 ± 0.05	
BE0546	# 20.00 W	2.9764 ± 0.0072	0.0144 ± 0.0001	0.0281 ± 0.0005	0.0033 ± 0.0001	2.0142 ± 0.0235	29.0	67.7	15.3	2.95 ± 0.07	
BE0548	# 20.00 W	2.8710 ± 0.0055	0.0143 ± 0.0001	0.0880 ± 0.0013	0.0030 ± 0.0000	1.9992 ± 0.0092	55.6	69.6	4.9	2.93 ± 0.03	
BE0549	# 20.00 W	2.6118 ± 0.0072	0.0142 ± 0.0001	0.0446 ± 0.0007	0.0021 ± 0.0000	2.0072 ± 0.0151	28.4	76.8	9.6	2.94 ± 0.04	
BE0551	# 20.00 W	2.8416 ± 0.0023	0.0143 ± 0.0000	0.0481 ± 0.0007	0.0029 ± 0.0000	1.9979 ± 0.0073	101.2	70.3	8.9	2.93 ± 0.02	
BE0552	# 20.00 W	3.4096 ± 0.0065	0.0143 ± 0.0001	0.0560 ± 0.0010	0.0048 ± 0.0000	1.9881 ± 0.0110	53.1	58.3	7.7	2.91 ± 0.03	
BE0554	# 20.00 W	3.0851 ± 0.0034	0.0145 ± 0.0001	0.0760 ± 0.0012	0.0036 ± 0.0001	2.0286 ± 0.0237	20.4	65.8	5.7	2.97 ± 0.07	
BE0555	# 20.00 W	3.1890 ± 0.0040	0.0147 ± 0.0001	0.0683 ± 0.0010	0.0041 ± 0.0000	1.9880 ± 0.0125	44.1	62.3	6.3	2.91 ± 0.04	
BE0557	# 20.00 W	2.9174 ± 0.0052	0.0145 ± 0.0001	0.0678 ± 0.0011	0.0031 ± 0.0001	2.0040 ± 0.0186	29.2	68.7	6.3	2.94 ± 0.05	
BE0558	# 20.00 W	2.5193 ± 0.0033	0.0144 ± 0.0000	0.0759 ± 0.0011	0.0018 ± 0.0000	2.0065 ± 0.0056	127.3	79.6	5.7	2.94 ± 0.02	
BE0560	# 20.00 W	2.7276 ± 0.0033	0.0142 ± 0.0001	0.0676 ± 0.0014	0.0024 ± 0.0001	2.0221 ± 0.0252	19.0	74.1	6.4	2.96 ± 0.07	
BE0561	# 20.00 W	3.7468 ± 0.0049	0.0152 ± 0.0001	0.0823 ± 0.0012	0.0058 ± 0.0001	2.0335 ± 0.0255	32.9	54.3	5.2	2.98 ± 0.07	
Weighted Mean from 12 of 12 Analy		MSWD	0.74						Age:	2.93 ± 0.02	
Inverse Isochron from 12 of 12 Analys		MSWD	0.70	${}^{40}\text{Ar} / {}^{36}\text{Ar} \pm 2\sigma$	292.1 ± 6.3				Age:	2.95 ± 0.03	

B06-036

Single crystal fusion			Sanidine			$J = 0.0008067 \pm 0.31\% (1\sigma)^d$						$\mu = 1.003 \pm 0.02\% (1\sigma)^e$	
BE0068	#	35.00 W	2.3043 ± 0.0029	0.0124 ± 0.0001	0.0056 ± 0.0002	0.0011 ± 0.0000	1.9856	0.0118	44.6	86.2	76.4	2.89 ± 0.034	
BE0069	#	35.00 W	2.9424 ± 0.0045	0.0130 ± 0.0001	0.0102 ± 0.0002	0.0033 ± 0.0000	1.9734	0.0100	45.9	67.1	42.3	2.87 ± 0.029	
BE0071	#	35.00 W	2.0518 ± 0.0041	0.0122 ± 0.0001	0.0056 ± 0.0003	0.0002 ± 0.0001	1.9911	0.0226	22.0	97.0	76.7	2.90 ± 0.066	
BE0072	#	35.00 W	2.0099 ± 0.0041	0.0122 ± 0.0001	0.0053 ± 0.0003	0.0000 ± 0.0001	1.9995	0.0221	16.5	99.5	80.5	2.91 ± 0.064	
BE0074	#	35.00 W	2.0715 ± 0.0051	0.0126 ± 0.0001	0.0067 ± 0.0004	0.0003 ± 0.0001	1.9830	0.0267	16.7	95.7	63.7	2.88 ± 0.078	
BE0075	#	35.00 W	2.1311 ± 0.0035	0.0122 ± 0.0001	0.0100 ± 0.0003	0.0004 ± 0.0001	2.0067	0.0168	23.7	94.2	42.8	2.92 ± 0.049	
BE0077	#	35.00 W	2.0271 ± 0.0041	0.0121 ± 0.0002	0.0067 ± 0.0004	0.0001 ± 0.0001	2.0021	0.0307	15.5	98.8	64.3	2.91 ± 0.089	
BE0078	#	35.00 W	2.4152 ± 0.0049	0.0127 ± 0.0002	0.0095 ± 0.0002	0.0014 ± 0.0001	2.0088	0.0282	18.0	83.2	45.3	2.92 ± 0.082	
BE0080	#	35.00 W	2.1329 ± 0.0038	0.0127 ± 0.0001	0.0054 ± 0.0003	0.0005 ± 0.0001	1.9883	0.0218	22.9	93.2	79.4	2.89 ± 0.063	
BE0081	#	35.00 W	2.0174 ± 0.0038	0.0122 ± 0.0001	0.0052 ± 0.0001	0.0000 ± 0.0000	2.0069	0.0148	31.2	99.5	83.5	2.92 ± 0.043	
BE0083	#	35.00 W	2.0238 ± 0.0038	0.0124 ± 0.0002	0.0054 ± 0.0002	0.0000 ± 0.0001	2.0144	0.0211	18.7	99.5	78.9	2.93 ± 0.061	
BE0084	#	35.00 W	9.1660 ± 0.0110	0.0172 ± 0.0001	0.0054 ± 0.0002	0.0241 ± 0.0001	2.0313	0.0394	23.2	22.2	79.9	2.95 ± 0.114	
BE0086	#	35.00 W	2.2993 ± 0.0035	0.0125 ± 0.0001	0.0094 ± 0.0002	0.0010 ± 0.0000	1.9896	0.0088	46.8	86.5	45.6	2.89 ± 0.025	
BE0087	#	35.00 W	2.1719 ± 0.0036	0.0123 ± 0.0001	0.0145 ± 0.0003	0.0005 ± 0.0001	2.0189	0.0157	30.9	93.0	29.6	2.94 ± 0.046	
BE0089	#	35.00 W	2.0213 ± 0.0042	0.0123 ± 0.0000	0.0061 ± 0.0001	0.0001 ± 0.0000	1.9787	0.0094	44.3	97.9	69.9	2.88 ± 0.027	
BE0090	#	35.00 W	2.0332 ± 0.0037	0.0121 ± 0.0001	0.0086 ± 0.0002	0.0001 ± 0.0000	1.9912	0.0092	52.4	97.9	49.9	2.90 ± 0.027	
BE0092	#	35.00 W	2.0889 ± 0.0046	0.0124 ± 0.0001	0.0098 ± 0.0002	0.0004 ± 0.0001	1.9680	0.0180	26.9	94.2	43.9	2.86 ± 0.052	
BE0093	#	35.00 W	2.0459 ± 0.0024	0.0123 ± 0.0001	0.0079 ± 0.0001	0.0002 ± 0.0000	1.9863	0.0056	80.3	97.1	54.8	2.89 ± 0.016	
Weighted Mean from 18 of 18 Analy			MSWD	0.89								Age:	2.89 ± 0.02
Inverse Isochron from 18 of 18 Analys			MSWD	0.94	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	296.1 ± 3.0						Age:	2.89 ± 0.02

B06-037

Single crystal fusion			Biotite			$J = 0.000762 \pm 0.57\% (1\sigma)^d$						$\mu = 1.0043 \pm 0.05\% (1\sigma)^e$	
BD7315	#	2.50 W	25.9227 ± 0.0430	0.0309 ± 0.0003	0.0301 ± 0.0010	0.0815 ± 0.0005	1.8333	± 0.1333	10.0	7.1	14.3	2.520 ± 0.370	
BD7316	#	5.00 W	21.6493 ± 0.0283	0.0271 ± 0.0003	0.1373 ± 0.0022	0.0642 ± 0.0006	2.6757	± 0.1651	8.5	12.4	3.1	3.670 ± 0.450	
BD7318	#	8.00 W	20.4467 ± 0.1332	0.0319 ± 0.0010	0.4400 ± 0.0094	0.0557 ± 0.0016	4.0109	± 0.4601	1.2	19.6	1.0	5.510 ± 1.260	
BD7319	#	15.00 W	32.7769 ± 0.8690	0.0831 ± 0.0057	0.3844 ± 0.0211	0.0787 ± 0.0096	9.5551	± 2.8354	0.2	29.1	1.1	13.090 ± 7.740	
Weighted Mean from 4 of 4 Analyse			MSWD	12.56								Age:	3.110 ± 0.980
Inverse Isochron from 4 of 4 Analyses:			MSWD	7.68	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	242.9 ± 50.9						Age:	8.420 ± 4.490

B06-039

Single crystal fusion			Biotite			$J = 0.000762 \pm 0.57\% (1\sigma)^d$						$\mu = 1.0026 \pm 0.015\% (1\sigma)^e$	
BD8885	#	20.00 W	7.5531 ± 0.0206	0.0154 ± 0.0001	0.0172 ± 0.0008	0.0049 ± 0.0001	6.1125	± 0.0271	26.9	80.9	25.0	8.38 ± 0.07	

BD8886	#	20.00 W	7.4920 ± 0.0080	0.0150 ± 0.0001	0.0068 ± 0.0007	0.0045 ± 0.0001	6.1532 ± 0.0256	19.8	82.1	63.1	8.44 ± 0.07
BD8888	#	20.00 W	7.4345 ± 0.0100	0.0151 ± 0.0001	0.0276 ± 0.0013	0.0045 ± 0.0001	6.1192 ± 0.0184	26.9	82.3	15.6	8.39 ± 0.05
BD8889	#	20.00 W	7.4034 ± 0.0073	0.0152 ± 0.0001	0.0082 ± 0.0008	0.0044 ± 0.0001	6.1166 ± 0.0204	27.5	82.6	52.4	8.39 ± 0.06
BD8891	#	20.00 W	7.2823 ± 0.0116	0.0149 ± 0.0001	0.0268 ± 0.0010	0.0040 ± 0.0001	6.1118 ± 0.0216	31.5	83.9	16.1	8.38 ± 0.06
BD8892	#	20.00 W	6.9761 ± 0.0100	0.0149 ± 0.0001	0.0267 ± 0.0011	0.0028 ± 0.0001	6.1426 ± 0.0236	18.2	88.0	16.1	8.42 ± 0.06
Weighted Mean from 6 of 6 Analyses:				MSWD	0.52					Age:	8.40 ± 0.10
Inverse Isochron from 6 of 6 Analyses:				MSWD	0.59	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	287.8 ± 29.1			Age:	8.44 ± 0.19

B06-042

Single crystal fusion Biotite											
$J = 0.000762 \pm 0.57 \% (1\sigma)^d$ $\mu = 1.0026 \pm 0.015 \% (1\sigma)^e$											
BD8894	#	20.00 W	10.8445 ± 0.0336	0.0187 ± 0.0010	0.0857 ± 0.0070	0.0159 ± 0.0007	6.1551 ± 0.2036	2.1	56.8	5.0	8.44 ± 0.56
BD8895		20.00 W	6.7497 ± 0.0168	0.0149 ± 0.0002	0.0093 ± 0.0027	0.0026 ± 0.0003	5.9935 ± 0.0763	7.3	88.8	46.1	8.22 ± 0.21
BD8897	#	20.00 W	6.9986 ± 0.0113	0.0145 ± 0.0002	0.0194 ± 0.0015	0.0027 ± 0.0001	6.2070 ± 0.0227	23.4	88.7	22.1	8.51 ± 0.06
BD8898	#	20.00 W	7.4806 ± 0.0206	0.0154 ± 0.0005	0.0171 ± 0.0024	0.0043 ± 0.0002	6.2189 ± 0.0737	8.2	83.1	25.2	8.53 ± 0.20
BD8900	#	20.00 W	8.0922 ± 0.0141	0.0155 ± 0.0002	0.0290 ± 0.0014	0.0065 ± 0.0001	6.1802 ± 0.0317	16.5	76.4	14.8	8.48 ± 0.09
BD8901	#	20.00 W	7.1947 ± 0.0115	0.0152 ± 0.0002	0.0158 ± 0.0026	0.0036 ± 0.0002	6.1199 ± 0.0547	9.8	85.1	27.2	8.39 ± 0.15
BD8903	#	20.00 W	7.0751 ± 0.0142	0.0146 ± 0.0002	0.0062 ± 0.0019	0.0031 ± 0.0002	6.1441 ± 0.0479	10.4	86.8	69.8	8.43 ± 0.13
BD8904	#	20.00 W	7.1952 ± 0.0108	0.0148 ± 0.0002	0.0109 ± 0.0008	0.0034 ± 0.0001	6.1808 ± 0.0259	23.6	85.9	39.6	8.48 ± 0.07
BD8906	#	20.00 W	7.5398 ± 0.0146	0.0151 ± 0.0002	0.0065 ± 0.0012	0.0045 ± 0.0001	6.2241 ± 0.0420	15.5	82.5	66.6	8.54 ± 0.11
BD8907	#	20.00 W	7.0270 ± 0.0096	0.0148 ± 0.0002	0.0702 ± 0.0022	0.0030 ± 0.0001	6.1452 ± 0.0222	39.8	87.4	6.1	8.43 ± 0.06
BD8909	#	20.00 W	7.1812 ± 0.0131	0.0149 ± 0.0002	0.0405 ± 0.0016	0.0035 ± 0.0001	6.1387 ± 0.0366	15.8	85.5	10.6	8.42 ± 0.10
BD8910	#	20.00 W	7.7412 ± 0.0130	0.0158 ± 0.0001	0.0329 ± 0.0024	0.0055 ± 0.0002	6.1211 ± 0.0612	8.9	79.1	13.1	8.40 ± 0.17
Weighted Mean from 11 of 12 Analyses:				MSWD	0.87					Age:	8.47 ± 0.10
Inverse Isochron from 11 of 12 Analyses:				MSWD	0.97	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	297.0 ± 16.0			Age:	8.46 ± 0.13

B06-045

Single crystal fusion Biotite											
$J = 0.0008127 \pm 0.31 \% (1\sigma)^d$ $\mu = 1.0035 \pm 0.02 \% (1\sigma)^e$											
BE0563	20.00 W	30.6783 ± 0.3732	0.0323 ± 0.0003	0.1097 ± 0.0025	0.0949 ± 0.0012	2.6506 ± 0.1480	8.2	8.6	3.9	3.88 ± 0.43	
BE0564	20.00 W	36.1039 ± 0.5471	0.0358 ± 0.0003	0.1919 ± 0.0048	0.1127 ± 0.0018	2.8235 ± 0.1426	6.5	7.8	2.2	4.14 ± 0.42	
BE0566	20.00 W	38.5068 ± 0.4200	0.0371 ± 0.0003	0.1988 ± 0.0039	0.1205 ± 0.0014	2.9097 ± 0.1288	9.1	7.6	2.2	4.26 ± 0.38	
BE0567	20.00 W	31.1478 ± 0.3140	0.0322 ± 0.0003	0.2258 ± 0.0042	0.0953 ± 0.0010	3.0002 ± 0.1142	9.9	9.6	1.9	4.39 ± 0.33	
BE0569	20.00 W	35.0646 ± 0.2461	0.0352 ± 0.0004	0.1288 ± 0.0022	0.1094 ± 0.0008	2.7488 ± 0.0969	14.5	7.8	3.3	4.03 ± 0.28	
BE0570	#	20.00 W	34.9472 ± 0.0823	0.0347 ± 0.0001	0.0720 ± 0.0011	0.1104 ± 0.0005	2.3387 ± 0.1168	15.8	6.7	6.0	3.43 ± 0.34
BE0572	20.00 W	32.9766 ± 0.5850	0.0342 ± 0.0005	0.0705 ± 0.0026	0.1011 ± 0.0019	3.1187 ± 0.1795	5.6	9.5	6.1	4.57 ± 0.53	
BE0573	#	20.00 W	33.4784 ± 1.0903	0.0353 ± 0.0005	0.1220 ± 0.0059	0.1038 ± 0.0036	2.8094 ± 0.3634	3.1	8.4	3.5	4.11 ± 1.06
BE0575	20.00 W	43.5567 ± 0.3904	0.0412 ± 0.0004	0.1831 ± 0.0035	0.1376 ± 0.0013	2.9219 ± 0.0776	11.0	6.7	2.3	4.28 ± 0.23	

BE0576	20.00 W	38.1401 ± 0.2073	0.0372 ± 0.0003	0.1028 ± 0.0018	0.1202 ± 0.0007	2.6268 ± 0.0837	18.3	6.9	4.2	3.85 ± 0.24
BE0578	# 20.00 W	31.4210 ± 0.1585	0.0334 ± 0.0003	0.1048 ± 0.0021	0.0982 ± 0.0006	2.4134 ± 0.0924	19.7	7.7	4.1	3.53 ± 0.27
BE0579	# 20.00 W	35.5046 ± 0.1489	0.0354 ± 0.0002	0.1070 ± 0.0017	0.1122 ± 0.0005	2.3592 ± 0.0611	24.5	6.6	4.0	3.46 ± 0.18
Weighted Mean from 4 of 12 Analyse:										
MSWD 0.59										
Inverse Isochron from 4 of 12 Analyse:										
MSWD 0.70 $^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$ 290.6 ± 15.4										
Age: 3.48 ± 0.14										
Age: 4.26 ± 2.31										

B06-045

Single crystal fusion			Sanidine	$J = 0.0008067 \pm 0.31\% (1\sigma)^d$					$\mu = 1.003 \pm 0.02\% (1\sigma)^e$	
BE0111	# 35.00 W	2.0354 ± 0.0072	0.0125 ± 0.0001	0.0152 ± 0.0006	0.0001 ± 0.0000	1.9977 ± 0.0147	17.6	98.1	28.4	2.91 ± 0.04
BE0112	# 35.00 W	2.1242 ± 0.0062	0.0124 ± 0.0001	0.0053 ± 0.0003	0.0004 ± 0.0001	2.0196 ± 0.0166	23.7	95.1	81.8	2.94 ± 0.05
BE0114	# 35.00 W	2.0104 ± 0.0060	0.0124 ± 0.0001	0.0088 ± 0.0003	0.0000 ± 0.0000	2.0040 ± 0.0125	24.5	99.7	48.7	2.91 ± 0.04
BE0115	# 35.00 W	2.0432 ± 0.0077	0.0125 ± 0.0001	0.0112 ± 0.0005	0.0000 ± 0.0001	2.0302 ± 0.0263	18.8	99.4	38.3	2.95 ± 0.08
BE0117	# 35.00 W	2.0194 ± 0.0071	0.0125 ± 0.0001	0.0087 ± 0.0004	0.0001 ± 0.0001	1.9995 ± 0.0209	19.3	99.0	49.5	2.91 ± 0.06
BE0118	# 35.00 W	2.0163 ± 0.0056	0.0125 ± 0.0002	0.0061 ± 0.0003	0.0001 ± 0.0001	1.9812 ± 0.0167	29.0	98.3	70.9	2.88 ± 0.05
BE0120	# 35.00 W	2.0762 ± 0.0060	0.0122 ± 0.0001	0.0189 ± 0.0003	0.0003 ± 0.0000	1.9883 ± 0.0120	34.3	95.8	22.8	2.89 ± 0.03
BE0203	# 35.00 W	2.0515 ± 0.0062	0.0123 ± 0.0002	0.0046 ± 0.0003	0.0003 ± 0.0001	1.9659 ± 0.0224	14.6	95.8	92.9	2.86 ± 0.07
BE0205	# 35.00 W	2.0240 ± 0.0054	0.0123 ± 0.0001	0.0052 ± 0.0003	0.0000 ± 0.0001	2.0124 ± 0.0228	17.9	99.4	83.2	2.93 ± 0.07
BE0206	# 35.00 W	2.0781 ± 0.0046	0.0122 ± 0.0002	0.0063 ± 0.0004	0.0003 ± 0.0001	1.9772 ± 0.0308	13.8	95.1	67.8	2.88 ± 0.09
BE0208	35.00 W	3.5754 ± 0.0054	0.0124 ± 0.0001	0.0075 ± 0.0001	0.0003 ± 0.0001	3.4984 ± 0.0214	24.9	97.8	57.0	5.08 ± 0.06
BE0209	# 35.00 W	2.4399 ± 0.0034	0.0125 ± 0.0001	0.0055 ± 0.0004	0.0014 ± 0.0001	2.0204 ± 0.0295	17.7	82.8	78.7	2.94 ± 0.09
BE0211	# 35.00 W	2.0070 ± 0.0040	0.0124 ± 0.0001	0.0086 ± 0.0003	0.0001 ± 0.0001	1.9838 ± 0.0165	26.1	98.8	49.7	2.88 ± 0.05
BE0212	# 35.00 W	2.2000 ± 0.0047	0.0125 ± 0.0001	0.0062 ± 0.0003	0.0006 ± 0.0002	2.0088 ± 0.0468	14.0	91.3	69.4	2.92 ± 0.14
BE0214	# 35.00 W	2.0287 ± 0.0046	0.0125 ± 0.0001	0.0157 ± 0.0003	0.0000 ± 0.0001	2.0275 ± 0.0254	13.5	99.9	27.4	2.95 ± 0.07
BE0215	# 35.00 W	2.0694 ± 0.0075	0.0125 ± 0.0001	0.0053 ± 0.0005	0.0000 ± 0.0001	2.0589 ± 0.0424	11.1	99.5	81.1	2.99 ± 0.12
BE0217	# 35.00 W	5.0567 ± 0.0184	0.0142 ± 0.0003	0.0179 ± 0.0015	0.0106 ± 0.0003	1.9366 ± 0.0834	5.4	38.3	24.0	2.82 ± 0.24
BE0218	35.00 W	3.6528 ± 0.0085	0.0123 ± 0.0003	0.0054 ± 0.0003	0.0007 ± 0.0001	3.4490 ± 0.0301	14.9	94.4	79.3	5.01 ± 0.09
BE0220	# 35.00 W	1.9913 ± 0.0132	0.0126 ± 0.0002	0.0065 ± 0.0004	0.0000 ± 0.0001	1.9882 ± 0.0316	13.6	99.8	66.6	2.89 ± 0.09
Weighted Mean from 17 of 19 Analy			MSWD 0.84						Age: 2.91 ± 0.02	
Inverse Isochron from 17 of 19 Analy			MSWD 0.89	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$ 293.2 ± 14.9					Age: 2.91 ± 0.02	

B06-050

Single crystal fusion			Biotite	$J = 0.000762 \pm 0.57\% (1\sigma)^d$					$\mu = 1.0026 \pm 0.015\% (1\sigma)^e$	
BD8912	# 20.00 W	5.4038 ± 0.0077	0.0152 ± 0.0001	0.0196 ± 0.0011	0.0046 ± 0.0001	4.0306 ± 0.0166	31.0	74.6	21.9	5.53 ± 0.05
BD8913	# 20.00 W	6.4130 ± 0.0082	0.0154 ± 0.0001	0.0217 ± 0.0008	0.0081 ± 0.0001	4.0185 ± 0.0205	44.3	62.7	19.8	5.52 ± 0.06
BD8915	# 20.00 W	5.7377 ± 0.0239	0.0156 ± 0.0002	0.0097 ± 0.0015	0.0058 ± 0.0001	4.0199 ± 0.0345	13.3	70.1	44.3	5.52 ± 0.09
BD8916	# 20.00 W	6.1024 ± 0.0108	0.0154 ± 0.0001	0.0362 ± 0.0021	0.0072 ± 0.0001	3.9826 ± 0.0394	15.6	65.3	11.9	5.47 ± 0.11

BD8918	#	20.00 W	6.1732 ± 0.0084	0.0162 ± 0.0002	0.0428 ± 0.0021	0.0074 ± 0.0001	3.9817 ± 0.0300	16.5	64.5	10.1	5.47 ± 0.08
BD8919	#	20.00 W	5.7922 ± 0.0155	0.0153 ± 0.0001	0.0049 ± 0.0016	0.0059 ± 0.0001	4.0384 ± 0.0431	15.3	69.7	87.6	5.54 ± 0.12
BD8921	#	20.00 W	5.6062 ± 0.0112	0.0156 ± 0.0002	0.0374 ± 0.0020	0.0053 ± 0.0001	4.0416 ± 0.0227	16.1	72.1	11.5	5.55 ± 0.06
BD8922	#	20.00 W	5.4650 ± 0.0113	0.0156 ± 0.0001	0.0834 ± 0.0030	0.0047 ± 0.0001	4.0745 ± 0.0280	15.4	74.6	5.2	5.59 ± 0.08
BD8924	#	20.00 W	5.9737 ± 0.0049	0.0153 ± 0.0001	0.0289 ± 0.0012	0.0065 ± 0.0001	4.0611 ± 0.0184	31.7	68.0	14.9	5.57 ± 0.05
BD8925	#	20.00 W	6.2119 ± 0.0087	0.0158 ± 0.0001	0.0218 ± 0.0018	0.0074 ± 0.0001	4.0330 ± 0.0315	17.6	64.9	19.7	5.54 ± 0.09
BD8927	#	20.00 W	5.8943 ± 0.0101	0.0156 ± 0.0001	0.0216 ± 0.0015	0.0062 ± 0.0001	4.0536 ± 0.0275	24.8	68.8	19.9	5.56 ± 0.08
BD8928	#	20.00 W	5.8271 ± 0.0092	0.0158 ± 0.0001	0.0730 ± 0.0023	0.0061 ± 0.0000	4.0417 ± 0.0147	30.5	69.4	5.9	5.55 ± 0.04
Weighted Mean from 12 of 12 Analy				MSWD	0.96					Age:	5.54 ± 0.07
Inverse Isochron from 12 of 12 Analys				MSWD	2.66	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	288.0 ± 12.2			Age:	5.60 ± 0.12

B06-056

Single crystal fusion			Biotite	$J = 0.000762 \pm 0.57 \% (1\sigma)^d$				$\mu = 1.0026 \pm 0.015 \% (1\sigma)^e$			
BD8930	#	20.00 W	4.5311 ± 0.0140	0.0156 ± 0.0002	0.0726 ± 0.0025	0.0081 ± 0.0001	2.1479 ± 0.0253	15.7	47.4	5.9	2.95 ± 0.07
BD8931	#	20.00 W	3.1915 ± 0.0078	0.0141 ± 0.0001	0.0187 ± 0.0007	0.0035 ± 0.0000	2.1697 ± 0.0093	65.4	68.0	23.1	2.98 ± 0.03
BD8933	#	20.00 W	3.3786 ± 0.0028	0.0147 ± 0.0000	0.0304 ± 0.0009	0.0041 ± 0.0000	2.1585 ± 0.0042	173.5	63.9	14.1	2.96 ± 0.01
BD8934	#	20.00 W	3.1816 ± 0.0084	0.0146 ± 0.0001	0.0306 ± 0.0010	0.0035 ± 0.0000	2.1410 ± 0.0086	88.1	67.3	14.1	2.94 ± 0.02
BD8936	#	20.00 W	4.6245 ± 0.0133	0.0156 ± 0.0001	0.0204 ± 0.0013	0.0084 ± 0.0001	2.1315 ± 0.0329	22.3	46.1	21.0	2.93 ± 0.09
BD8937	#	20.00 W	3.0515 ± 0.0078	0.0141 ± 0.0001	0.0394 ± 0.0012	0.0031 ± 0.0000	2.1340 ± 0.0127	55.2	69.9	10.9	2.93 ± 0.03
BD8939	#	20.00 W	3.9127 ± 0.0081	0.0151 ± 0.0002	0.0182 ± 0.0011	0.0058 ± 0.0001	2.1860 ± 0.0353	18.0	55.9	23.7	3.00 ± 0.10
BD8940	#	20.00 W	4.6755 ± 0.0136	0.0159 ± 0.0001	0.0692 ± 0.0024	0.0085 ± 0.0001	2.1610 ± 0.0180	18.5	46.2	6.2	2.97 ± 0.05
BD8942	#	20.00 W	3.5685 ± 0.0135	0.0150 ± 0.0002	0.0411 ± 0.0017	0.0047 ± 0.0001	2.1700 ± 0.0332	17.1	60.8	10.5	2.98 ± 0.09
BD8943	#	20.00 W	4.5109 ± 0.0149	0.0154 ± 0.0001	0.0409 ± 0.0019	0.0078 ± 0.0002	2.1947 ± 0.0537	16.1	48.7	10.5	3.01 ± 0.15
BD8945	#	20.00 W	2.9511 ± 0.0078	0.0144 ± 0.0001	0.0123 ± 0.0006	0.0027 ± 0.0001	2.1623 ± 0.0242	34.1	73.3	35.0	2.97 ± 0.07
BD8946		20.00 W	2.5137 ± 0.0079	0.0138 ± 0.0002	0.0080 ± 0.0013	0.0015 ± 0.0001	2.0822 ± 0.0198	13.6	82.8	53.4	2.86 ± 0.05
Weighted Mean from 11 of 12 Analy				MSWD	1.08					Age:	2.96 ± 0.03
Inverse Isochron from 11 of 12 Analys				MSWD	1.17	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	296.9 ± 6.1			Age:	2.95 ± 0.05

B06-056a

Single crystal fusion			Sanidine	$J = 0.000762 \pm 0.57 \% (1\sigma)^d$				$\mu = 1.0042 \pm 0.03 \% (1\sigma)^e$			
BD7951	#	35.00 W	2.1658 ± 0.0021	0.0125 ± 0.0000	0.0092 ± 0.0002	0.0003 ± 0.0000	2.0870 ± 0.0079	38.3	96.4	46.5	2.87 ± 0.02
BD7952	#	35.00 W	2.2475 ± 0.0022	0.0123 ± 0.0001	0.0061 ± 0.0003	0.0005 ± 0.0000	2.1041 ± 0.0085	42.0	93.6	70.0	2.89 ± 0.02
BD7954	#	35.00 W	2.1385 ± 0.0032	0.0122 ± 0.0001	0.0055 ± 0.0002	0.0002 ± 0.0000	2.0913 ± 0.0063	60.7	97.8	78.2	2.87 ± 0.02
BD7955	#	35.00 W	2.2571 ± 0.0044	0.0122 ± 0.0001	0.0074 ± 0.0004	0.0006 ± 0.0000	2.0786 ± 0.0137	32.6	92.1	58.4	2.86 ± 0.04
Weighted Mean from 3 of 4 Analyse				MSWD	1.13					Age:	2.87 ± 0.03
Inverse Isochron from 3 of 4 Analyses:				MSWD	1.50	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	311.9 ± 67.5			Age:	2.87 ± 0.04

B06-056b

Single crystal fusion		Sanidine						$J = 0.0008067 \pm 0.31\% (1\sigma)^d$		$\mu = 1.003 \pm 0.02\% (1\sigma)^e$	
BE0221	# 35.00 W	2.0365 ± 0.0042	0.0123 ± 0.0001	0.0066 ± 0.0001	0.0001 ± 0.0000	1.9924 ± 0.0100	52.2	97.8	65.6	2.90 ± 0.03	
BE0223	# 35.00 W	2.0705 ± 0.0067	0.0125 ± 0.0001	0.0062 ± 0.0002	0.0002 ± 0.0000	2.0000 ± 0.0145	30.9	96.6	69.4	2.91 ± 0.04	
BE0224	# 35.00 W	2.0390 ± 0.0054	0.0124 ± 0.0001	0.0057 ± 0.0002	0.0002 ± 0.0000	1.9798 ± 0.0138	35.9	97.1	75.2	2.88 ± 0.04	
BE0226	# 35.00 W	2.0515 ± 0.0041	0.0123 ± 0.0000	0.0052 ± 0.0002	0.0002 ± 0.0000	1.9961 ± 0.0087	50.0	97.3	83.1	2.90 ± 0.03	
BE0227	# 35.00 W	2.0389 ± 0.0033	0.0121 ± 0.0001	0.0058 ± 0.0001	0.0002 ± 0.0000	1.9872 ± 0.0062	68.6	97.5	73.7	2.89 ± 0.02	
BE0229	# 35.00 W	2.0679 ± 0.0046	0.0122 ± 0.0000	0.0052 ± 0.0002	0.0003 ± 0.0000	1.9841 ± 0.0096	51.8	95.9	83.5	2.89 ± 0.03	
BE0230	# 35.00 W	2.1204 ± 0.0081	0.0125 ± 0.0001	0.0134 ± 0.0003	0.0004 ± 0.0001	1.9966 ± 0.0189	23.9	94.2	32.1	2.90 ± 0.05	
BE0232	# 35.00 W	2.1565 ± 0.0043	0.0122 ± 0.0002	0.0062 ± 0.0002	0.0006 ± 0.0000	1.9724 ± 0.0133	28.9	91.5	69.7	2.87 ± 0.04	
BE0233	# 35.00 W	2.0575 ± 0.0029	0.0120 ± 0.0001	0.0052 ± 0.0001	0.0003 ± 0.0000	1.9735 ± 0.0078	56.7	95.9	82.9	2.87 ± 0.02	
BE0235	# 35.00 W	2.4406 ± 0.0049	0.0127 ± 0.0001	0.0049 ± 0.0002	0.0016 ± 0.0000	1.9810 ± 0.0146	36.3	81.2	87.4	2.88 ± 0.04	
BE0236	# 35.00 W	2.0711 ± 0.0026	0.0126 ± 0.0000	0.0062 ± 0.0001	0.0003 ± 0.0000	1.9928 ± 0.0077	70.9	96.2	69.6	2.90 ± 0.02	
BE0238	# 35.00 W	2.0308 ± 0.0065	0.0125 ± 0.0002	0.0059 ± 0.0003	0.0003 ± 0.0001	1.9512 ± 0.0328	15.9	96.1	72.4	2.84 ± 0.10	
BE0239	# 35.00 W	2.0407 ± 0.00681	0.01224 ± 0.0001	0.0117 ± 0.0004	0.0003 ± 0.0001	1.9626 ± 0.0268	17.3	96.2	36.9	2.85 ± 0.08	
Weighted Mean from 13 of 13 Analy			MSWD	0.80					Age:	2.89 ± 0.02	
Inverse Isochron from 13 of 13 Analys			MSWD	0.85	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	289.7 ± 20.9			Age:	2.89 ± 0.02	

B06-057

Single crystal fusion		Biotite						$J = 0.0008127 \pm 0.31\% (1\sigma)d$		$\mu = 1.0035 \pm 0.02\% (1\sigma)^e$	
BE0581	# 20.00 W	5.4431 ± 0.0032	0.0162 ± 0.0001	0.0372 ± 0.0005	0.0115 ± 0.0000	2.0356 ± 0.0088	158.0	37.4	11.6	2.98 ± 0.03	
BE0582	# 20.00 W	4.6911 ± 0.0102	0.0156 ± 0.0001	0.0343 ± 0.0009	0.0088 ± 0.0001	2.0797 ± 0.0333	27.7	44.3	12.5	3.05 ± 0.10	
BE0584	# 20.00 W	4.4575 ± 0.0041	0.0154 ± 0.0000	0.0429 ± 0.0007	0.0082 ± 0.0000	2.0517 ± 0.0064	73.0	46.0	10.0	3.01 ± 0.02	
BE0585	# 20.00 W	6.5148 ± 0.0059	0.0170 ± 0.0001	0.0349 ± 0.0006	0.0150 ± 0.0001	2.0754 ± 0.0164	60.6	31.9	12.3	3.04 ± 0.05	
BE0587	# 20.00 W	5.3691 ± 0.0059	0.0157 ± 0.0001	0.0519 ± 0.0008	0.0112 ± 0.0000	2.0580 ± 0.0113	80.8	38.3	8.3	3.01 ± 0.03	
BE0588	# 20.00 W	5.0263 ± 0.0041	0.0157 ± 0.0000	0.0517 ± 0.0007	0.0101 ± 0.0000	2.0502 ± 0.0134	65.5	40.8	8.3	3.00 ± 0.04	
BE0590	20.00 W	6.9166 ± 0.0069	0.0166 ± 0.0001	0.0492 ± 0.0008	0.0162 ± 0.0001	2.1261 ± 0.0263	47.0	30.7	8.7	3.11 ± 0.08	
BE0591	20.00 W	5.8279 ± 0.0085	0.0161 ± 0.0001	0.0355 ± 0.0007	0.0124 ± 0.0001	2.1564 ± 0.0380	31.1	37.0	12.1	3.16 ± 0.11	
BE0593	# 20.00 W	5.2184 ± 0.0086	0.0160 ± 0.0001	0.0459 ± 0.0010	0.0108 ± 0.0001	2.0337 ± 0.0202	26.2	39.0	9.4	2.98 ± 0.06	
BE0594	# 20.00 W	4.0605 ± 0.0079	0.0150 ± 0.0001	0.0308 ± 0.0007	0.0069 ± 0.0001	2.0366 ± 0.0202	29.9	50.2	13.9	2.98 ± 0.06	
BE0596	# 20.00 W	5.3485 ± 0.0057	0.0158 ± 0.0001	0.0284 ± 0.0005	0.0111 ± 0.0001	2.0599 ± 0.0205	51.7	38.5	15.2	3.02 ± 0.06	
BE0597	# 20.00 W	5.0234 ± 0.0049	0.0156 ± 0.0001	0.0386 ± 0.0006	0.0102 ± 0.0000	2.0262 ± 0.0144	107.2	40.3	11.1	2.97 ± 0.04	
Weighted Mean from 10 of 12 Analy			MSWD	1.14					Age:	3.00 ± 0.02	
Inverse Isochron from 10 of 12 Analys			MSWD	1.24	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	296.6 ± 4.5			Age:	2.98 ± 0.07	

B06-057

Single crystal fusion											$J = 0.0008127 \pm 0.31\% (1\sigma)d$	$\mu = 1.0035 \pm 0.02\% (1\sigma)^e$	
BE0241	#	35.00	W	2.0240	± 0.0061	0.0125	± 0.0002	0.0242	± 0.0004	0.0002	± 0.0001	1.9728	± 0.0239
BE0242	#	35.00	W	1.9739	± 0.0060	0.0126	± 0.0002	0.0064	± 0.0003	0.0002	± 0.0001	1.9182	± 0.0261
BE0244	#	35.00	W	1.9941	± 0.0045	0.0124	± 0.0000	0.0067	± 0.0002	0.0002	± 0.0001	1.9368	± 0.0169
BE0245	#	35.00	W	2.0129	± 0.0104	0.0129	± 0.0002	0.0117	± 0.0006	0.0003	± 0.0002	1.9145	± 0.0502
BE0247	#	35.00	W	2.0790	± 0.0069	0.0126	± 0.0002	0.0108	± 0.0003	0.0004	± 0.0001	1.9588	± 0.0253
BE0248	#	35.00	W	2.0027	± 0.0051	0.0124	± 0.0002	0.0063	± 0.0004	0.0001	± 0.0001	1.9676	± 0.0169
BE0250	#	35.00	W	2.0434	± 0.0076	0.0123	± 0.0001	0.0094	± 0.0004	0.0003	± 0.0001	1.9596	± 0.0236
BE0251	#	35.00	W	2.0433	± 0.0074	0.0123	± 0.0002	0.0073	± 0.0003	0.0003	± 0.0001	1.9599	± 0.0271
BE0253	#	35.00	W	2.0015	± 0.0102	0.0122	± 0.0001	0.0070	± 0.0004	0.0000	± 0.0001	1.9917	± 0.0290
BE0254	#	35.00	W	2.0148	± 0.0130	0.0123	± 0.0003	0.0120	± 0.0008	0.0000	± 0.0002	2.0112	± 0.0499
BE0259		35.00	W	3.7271	± 0.0269	0.0128	± 0.0003	0.0031	± 0.0006	0.0003	± 0.0002	3.6451	± 0.0637
BE0260	#	35.00	W	2.0039	± 0.0122	0.0124	± 0.0002	0.0091	± 0.0004	0.0003	± 0.0001	1.9253	± 0.0381
BE0262	#	35.00	W	1.9823	± 0.0169	0.0128	± 0.0002	0.0072	± 0.0006	0.0002	± 0.0002	1.9089	± 0.0476
BE0263	#	35.00	W	2.0214	± 0.0204	0.0131	± 0.0003	0.0073	± 0.0006	0.0003	± 0.0003	1.9209	± 0.0798
Weighted Mean from 13 of 14 Analy						MSWD	0.80					Age:	2.83 ± 0.03
Inverse Isochron from 13 of 14 Analys						MSWD	0.78	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	402.1	± 283.2		Age:	2.80 ± 0.07

B06-058

Single crystal fusion											$J = 0.0008127 \pm 0.31\% (1\sigma)d$	$\mu = 1.0035 \pm 0.02\% (1\sigma)^e$	
BE0599	#	20.00	W	3.0288	± 0.0549	0.0148	± 0.0003	0.0067	± 0.0008	0.0033	± 0.0001	2.0582	± 0.0525
BE0600	#	20.00	W	2.4866	± 0.0492	0.0144	± 0.0002	0.0086	± 0.0008	0.0017	± 0.0002	1.9813	± 0.0768
BE0602	#	20.00	W	2.6691	± 0.0245	0.0143	± 0.0002	0.0114	± 0.0006	0.0022	± 0.0001	2.0181	± 0.0338
BE0603	#	20.00	W	2.5049	± 0.0158	0.0145	± 0.0001	0.0292	± 0.0005	0.0016	± 0.0001	2.0220	± 0.0200
BE0605	#	20.00	W	2.5630	± 0.0047	0.0143	± 0.0001	0.0686	± 0.0011	0.0018	± 0.0001	2.0337	± 0.0176
BE0606	#	20.00	W	2.6481	± 0.0076	0.0148	± 0.0002	0.0161	± 0.0005	0.0023	± 0.0001	1.9590	± 0.0312
BE0608	#	20.00	W	3.1055	± 0.0098	0.0147	± 0.0002	0.0034	± 0.0010	0.0035	± 0.0002	2.0697	± 0.0637
BE0609	#	20.00	W	2.5949	± 0.0077	0.0147	± 0.0002	0.0089	± 0.0005	0.0019	± 0.0001	2.0295	± 0.0317
BE0611	#	20.00	W	2.8867	± 0.0051	0.0144	± 0.0001	0.0126	± 0.0004	0.0029	± 0.0001	2.0174	± 0.0337
BE0612	#	20.00	W	2.8241	± 0.0048	0.0146	± 0.0001	0.0084	± 0.0005	0.0026	± 0.0001	2.0437	± 0.0182
BE0614	#	20.00	W	2.5495	± 0.0050	0.0139	± 0.0001	0.0117	± 0.0004	0.0018	± 0.0001	2.0133	± 0.0292
BE0615	#	20.00	W	2.7885	± 0.0059	0.0143	± 0.0001	0.0179	± 0.0005	0.0026	± 0.0001	2.0206	± 0.0225
Weighted Mean from 12 of 12 Analy						MSWD	0.67					Age:	2.97 ± 0.03
Inverse Isochron from 12 of 12 Analys						MSWD	0.65	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	310.2	± 33.5		Age:	2.92 ± 0.11

B06-062

Single crystal fusion		Biotite						$J = 0.000762 \pm 0.57 \% (1\sigma)^d$		$\mu = 1.0026 \pm 0.015 \% (1\sigma)^e$	
BD8949	#	20.00 W	3.0648 ± 0.0090	0.0147 ± 0.0001	0.0148 ± 0.0008	0.0055 ± 0.0001	1.4263 ± 0.0168	24.7	46.5	29.1	1.96 ± 0.05
BD8951	#	20.00 W	3.5627 ± 0.0077	0.0152 ± 0.0001	0.0220 ± 0.0016	0.0075 ± 0.0001	1.3458 ± 0.0351	10.5	37.8	19.6	1.85 ± 0.10
BD8952	#	20.00 W	3.3820 ± 0.0112	0.0155 ± 0.0004	0.0089 ± 0.0016	0.0066 ± 0.0002	1.4365 ± 0.0564	8.0	42.5	48.2	1.97 ± 0.15
BD8954		20.00 W	3.4144 ± 0.0086	0.0150 ± 0.0002	0.0194 ± 0.0022	0.0074 ± 0.0001	1.2338 ± 0.0236	11.2	36.1	22.2	1.70 ± 0.06
BD8955	#	20.00 W	3.3407 ± 0.0139	0.0152 ± 0.0003	0.0347 ± 0.0029	0.0063 ± 0.0001	1.4672 ± 0.0425	6.9	43.9	12.4	2.02 ± 0.12
BD8957		20.00 W	3.2737 ± 0.0090	0.0148 ± 0.0003	0.1005 ± 0.0035	0.0070 ± 0.0001	1.2263 ± 0.0364	9.8	37.5	4.3	1.68 ± 0.10
BD8958	#	20.00 W	4.2496 ± 0.0191	0.0162 ± 0.0003	0.0109 ± 0.0038	0.0094 ± 0.0003	1.4695 ± 0.1010	3.9	34.6	39.4	2.02 ± 0.28
BD8960	#	20.00 W	3.4275 ± 0.0051	0.0151 ± 0.0003	0.0245 ± 0.0014	0.0069 ± 0.0001	1.3750 ± 0.0336	14.0	40.1	17.6	1.89 ± 0.09
BD8961	#	20.00 W	3.3537 ± 0.0148	0.0160 ± 0.0002	0.0154 ± 0.0023	0.0064 ± 0.0003	1.4655 ± 0.0902	5.7	43.7	27.9	2.01 ± 0.25
BD8963	#	20.00 W	2.9396 ± 0.0074	0.0151 ± 0.0002	0.0248 ± 0.0018	0.0051 ± 0.0001	1.4324 ± 0.0358	10.6	48.7	17.3	1.97 ± 0.10
BD8964	#	20.00 W	3.0543 ± 0.0071	0.0145 ± 0.0001	0.0202 ± 0.0015	0.0056 ± 0.0002	1.4126 ± 0.0495	10.6	46.3	21.3	1.94 ± 0.14
Weighted Mean from 9 of 11 Analys				MSWD	1.03					Age:	1.95 ± 0.04
Inverse Isochron from 9 of 11 Analyse				MSWD	0.95	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	278.2 ± 25.9			Age:	2.09 ± 0.21

B06-063

Single crystal fusion		Biotite						$J = 0.000745 \pm 0.57 \% (1\sigma)^d$		$\mu = 1.0026 \pm 0.015 \% (1\sigma)^e$	
BD8663	#	20.00 W	5.1352 ± 0.0309	0.0153 ± 0.0002	0.0036 ± 0.0014	0.0033 ± 0.0001	4.1588 ± 0.0389	14.5	81.0	118.7	5.58 ± 0.10
BD8664	#	20.00 W	4.6734 ± 0.0399	0.0151 ± 0.0002	0.0050 ± 0.0023	0.0015 ± 0.0001	4.2318 ± 0.0481	10.8	90.6	86.1	5.68 ± 0.13
BD8666	#	20.00 W	4.8314 ± 0.0353	0.0154 ± 0.0001	0.0018 ± 0.0017	0.0022 ± 0.0001	4.1884 ± 0.0495	12.7	86.7	242.6	5.62 ± 0.13
BD8667	#	20.00 W	5.2084 ± 0.0337	0.0151 ± 0.0001	-0.0010 ± 0.0016	0.0037 ± 0.0001	4.1190 ± 0.0453	13.9	79.1	0.0	5.53 ± 0.12
BD8669	#	20.00 W	4.5870 ± 0.0459	0.0153 ± 0.0003	0.0053 ± 0.0024	0.0015 ± 0.0002	4.1426 ± 0.0645	9.1	90.3	80.5	5.56 ± 0.17
BD8670	#	20.00 W	4.9766 ± 0.0336	0.0155 ± 0.0002	0.0020 ± 0.0016	0.0028 ± 0.0001	4.1371 ± 0.0408	13.0	83.1	218.4	5.55 ± 0.11
BD8672	#	20.00 W	4.8114 ± 0.0429	0.0154 ± 0.0002	0.0004 ± 0.0022	0.0021 ± 0.0001	4.1851 ± 0.0584	10.0	87.0	1040.3	5.62 ± 0.16
BD8673	#	20.00 W	4.7176 ± 0.0558	0.0160 ± 0.0003	0.0001 ± 0.0033	0.0014 ± 0.0002	4.3036 ± 0.0815	7.7	91.2	5303.5	5.77 ± 0.22
BD8675	#	20.00 W	4.9837 ± 0.0710	0.0154 ± 0.0003	0.0030 ± 0.0036	0.0025 ± 0.0002	4.2312 ± 0.0856	6.2	84.9	141.7	5.68 ± 0.23
BD8676	#	20.00 W	4.7963 ± 0.0214	0.0150 ± 0.0001	0.0011 ± 0.0011	0.0019 ± 0.0001	4.2392 ± 0.0264	21.2	88.4	397.2	5.69 ± 0.07
BD8678	#	20.00 W	4.6509 ± 0.0403	0.0153 ± 0.0002	0.0007 ± 0.0022	0.0014 ± 0.0001	4.2281 ± 0.0508	10.8	90.9	612.6	5.67 ± 0.14
Weighted Mean from 12 of 12 Analy				MSWD	1.22					Age:	5.63 ± 0.08
Inverse Isochron from 12 of 12 Analy				MSWD	0.61	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	247.1 ± 34.5			Age:	5.78 ± 0.13

B06-063

Single crystal fusion		Sanidine						$J = 0.000745 \pm 0.61 \% (1\sigma)^d$		$\mu = 1.0042 \pm 0.03 \% (1\sigma)^e$	
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BD7956	#	35.00 W	4.5988 ± 0.0039	0.0126 ± 0.0001	0.0044 ± 0.0002	0.0023 ± 0.0000	3.9145 ± 0.0068	59.3	85.1	97.8	5.25 ± 0.02
BD7958	#	35.00 W	4.6711 ± 0.0077	0.0128 ± 0.0001	0.0038 ± 0.0002	0.0025 ± 0.0000	3.9214 ± 0.0108	44.2	84.0	114.3	5.26 ± 0.03
BD7959	#	35.00 W	4.8011 ± 0.0072	0.0128 ± 0.0001	0.0047 ± 0.0003	0.0030 ± 0.0000	3.9124 ± 0.0150	32.5	81.5	91.1	5.25 ± 0.04
BD7960	#	35.00 W	3.9796 ± 0.0051	0.0123 ± 0.0001	0.0035 ± 0.0002	0.0002 ± 0.0000	3.9222 ± 0.0085	63.5	98.6	121.6	5.26 ± 0.02
BD7962	#	35.00 W	5.2341 ± 0.0084	0.0133 ± 0.0001	0.0039 ± 0.0004	0.0045 ± 0.0001	3.8947 ± 0.0268	19.0	74.4	110.6	5.23 ± 0.07
BD7963	#	35.00 W	4.0186 ± 0.0071	0.0123 ± 0.0001	0.0040 ± 0.0002	0.0004 ± 0.0000	3.8949 ± 0.0156	34.2	96.9	108.6	5.23 ± 0.04
BD7964	#	35.00 W	3.9483 ± 0.0075	0.0122 ± 0.0002	0.0041 ± 0.0004	0.0002 ± 0.0001	3.8940 ± 0.0168	27.0	98.6	105.2	5.23 ± 0.04
BD7966	#	35.00 W	7.0827 ± 0.0353	0.0159 ± 0.0006	0.9674 ± 0.0179	0.0108 ± 0.0004	3.9702 ± 0.1169	3.4	56.0	0.4	5.33 ± 0.31
BD7967	#	35.00 W	4.3147 ± 0.0088	0.0126 ± 0.0001	0.0110 ± 0.0004	0.0013 ± 0.0001	3.9237 ± 0.0201	24.0	90.9	39.0	5.27 ± 0.05
BD7968	#	35.00 W	4.1852 ± 0.0142	0.0129 ± 0.0003	1.1038 ± 0.0191	0.0010 ± 0.0003	3.9837 ± 0.0948	5.9	95.1	0.4	5.35 ± 0.25
BD7970	#	35.00 W	4.2556 ± 0.0046	0.0126 ± 0.0001	0.0042 ± 0.0002	0.0012 ± 0.0000	3.9028 ± 0.0099	56.6	91.7	102.9	5.24 ± 0.03
BD7971	#	35.00 W	3.9356 ± 0.0086	0.0123 ± 0.0001	0.0035 ± 0.0002	0.0000 ± 0.0000	3.9340 ± 0.0086	34.1	100.0	123.1	5.28 ± 0.02
BD7972	#	35.00 W	4.0703 ± 0.0037	0.0123 ± 0.0001	0.0063 ± 0.0002	0.0006 ± 0.0000	3.9056 ± 0.0085	49.5	96.0	68.7	5.24 ± 0.02
BD7974		35.00 W	4.2172 ± 0.0034	0.0127 ± 0.0001	0.0052 ± 0.0003	0.0013 ± 0.0000	3.8453 ± 0.0136	43.8	91.2	82.0	5.16 ± 0.04
BD7975	#	35.00 W	4.2325 ± 0.0027	0.0125 ± 0.0001	0.0161 ± 0.0004	0.0012 ± 0.0000	3.8839 ± 0.0118	42.6	91.8	26.7	5.21 ± 0.03
BD7976		35.00 W	8.2023 ± 0.0209	0.0154 ± 0.0004	0.5374 ± 0.0095	0.0153 ± 0.0003	3.7147 ± 0.0803	5.6	45.3	0.8	4.99 ± 0.22
BD7978	#	35.00 W	10.4479 ± 0.0143	0.0167 ± 0.0001	0.0041 ± 0.0005	0.0223 ± 0.0001	3.8689 ± 0.0292	16.2	37.0	104.5	5.19 ± 0.08
BD7979	#	35.00 W	4.3134 ± 0.0080	0.0125 ± 0.0001	0.0048 ± 0.0004	0.0015 ± 0.0001	3.8662 ± 0.0244	24.1	89.6	89.6	5.19 ± 0.07
BD7980	#	35.00 W	4.2346 ± 0.0127	0.0124 ± 0.0001	0.0048 ± 0.0004	0.0010 ± 0.0001	3.9341 ± 0.0253	19.9	92.9	89.2	5.28 ± 0.07
BD7982	#	35.00 W	5.0079 ± 0.0130	0.0141 ± 0.0003	0.0107 ± 0.0013	0.0039 ± 0.0002	3.8605 ± 0.0635	6.7	77.1	40.1	5.18 ± 0.17
BD7983		35.00 W	6.7811 ± 0.0363	0.0165 ± 0.0003	0.8751 ± 0.0162	0.0113 ± 0.0006	3.5098 ± 0.1732	2.9	51.7	0.5	4.71 ± 0.46
BD7984	#	35.00 W	4.1201 ± 0.0056	0.0123 ± 0.0001	0.0035 ± 0.0003	0.0008 ± 0.0001	3.8960 ± 0.0165	33.3	94.6	122.9	5.23 ± 0.04
BD7986		35.00 W	4.4228 ± 0.0049	0.0128 ± 0.0001	0.0040 ± 0.0004	0.0020 ± 0.0001	3.8172 ± 0.0174	23.2	86.3	107.0	5.12 ± 0.05
BD7987	#	35.00 W	13.5517 ± 0.0778	0.0231 ± 0.0012	1.4691 ± 0.0272	0.0339 ± 0.0013	3.6408 ± 0.3739	1.1	26.8	0.3	4.89 ± 1.00
BD7988	#	35.00 W	5.5129 ± 0.0083	0.0133 ± 0.0002	0.0062 ± 0.0004	0.0054 ± 0.0001	3.9142 ± 0.0347	21.5	71.0	69.5	5.25 ± 0.09
BD7990	#	35.00 W	5.3724 ± 0.0085	0.0135 ± 0.0002	0.0041 ± 0.0006	0.0049 ± 0.0001	3.9181 ± 0.0440	14.4	72.9	104.7	5.26 ± 0.12
BD7991	#	35.00 W	4.4993 ± 0.0172	0.0139 ± 0.0003	0.0417 ± 0.0023	0.0021 ± 0.0003	3.8815 ± 0.1005	5.3	86.3	10.3	5.21 ± 0.27
Weighted Mean from 23 of 27 Analy			MSWD	1.30							Age: 5.25 ± 0.06
Inverse Isochron from 23 of 27 Analys			MSWD	0.94	$^{40}\text{Ar} / {}^{36}\text{Ar} \pm 2\sigma$	294.3 ± 2.5					Age: 5.25 ± 0.06

B06-067

Single crystal fusion		Biotite	$J = 0.000745 \pm 0.61 \% (1\sigma)^d$				$\mu = 1.0042 \pm 0.03 \% (1\sigma)^e$				
BD8002	#	20.00 W	7.4596 ± 0.0181	0.0192 ± 0.0003	0.0195 ± 0.0009	0.0236 ± 0.0002	0.4965 ± 0.0664	10.770	6.66	22.019	0.67 ± 0.18
BD8003	#	20.00 W	4.1161 ± 0.0120	0.0163 ± 0.0001	0.0303 ± 0.0008	0.0121 ± 0.0001	0.5369 ± 0.0328	18.157	13.04	14.170	0.72 ± 0.09
BD8005	#	20.00 W	1.7382 ± 0.0090	0.0147 ± 0.0001	0.0081 ± 0.0004	0.0040 ± 0.0001	0.5470 ± 0.0323	17.342	31.47	53.078	0.74 ± 0.09
BD8008	#	20.00 W	2.9613 ± 0.0068	0.0160 ± 0.0002	0.0186 ± 0.0011	0.0079 ± 0.0002	0.6268 ± 0.0642	11.065	21.17	23.060	0.84 ± 0.17
BD8010	#	20.00 W	3.4347 ± 0.0069	0.0161 ± 0.0002	0.0751 ± 0.0019	0.0094 ± 0.0002	0.6493 ± 0.0728	12.100	18.90	5.729	0.87 ± 0.20
BD8011	#	20.00 W	2.4568 ± 0.0064	0.0153 ± 0.0002	0.0277 ± 0.0008	0.0062 ± 0.0002	0.6293 ± 0.0473	18.622	25.61	15.526	0.85 ± 0.13
BD8013	#	20.00 W	2.9968 ± 0.0067	0.0157 ± 0.0001	0.0376 ± 0.0008	0.0083 ± 0.0001	0.5466 ± 0.0412	17.979	18.24	11.428	0.73 ± 0.11
BD8014	#	20.00 W	3.9973 ± 0.0116	0.0165 ± 0.0003	0.0304 ± 0.0018	0.0115 ± 0.0004	0.5900 ± 0.1268	7.349	14.76	14.154	0.79 ± 0.34

BD8016	#	20.00 W	3.3516 ± 0.0108	0.0168 ± 0.0002	0.0061 ± 0.0013	0.0099 ± 0.0003	0.4378 ± 0.0981	7.647	13.06	70.195	0.59 ± 0.26
BD8017	#	20.00 W	5.6790 ± 0.0149	0.0173 ± 0.0001	0.0158 ± 0.0006	0.0169 ± 0.0002	0.6905 ± 0.0584	15.455	12.158	27.221	0.93 ± 0.16
Weighted Mean from 10 of 10 Analy				MSWD	1.41					Age:	0.76 ± 0.05
Inverse Isochron from 10 of 10 Analys				MSWD	1.59	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	295.6 ± 7.9			Age:	0.76 ± 0.11

B06-069

Single crystal fusion				Biotite				$J = 0.0008127 \pm 0.31\% (1\sigma)^d$				$\mu = 1.0035 \pm 0.02\% (1\sigma)^e$	
BE0617	#	20.00 W	1.6019 ± 0.0058	0.0146 ± 0.0001	0.0143 ± 0.0004	0.0038 ± 0.0001	0.4666 ± 0.0159	47.9	29.1	30.0	0.68 ± 0.05		
BE0618	#	20.00 W	1.6249 ± 0.0090	0.0147 ± 0.0001	0.0151 ± 0.0005	0.0039 ± 0.0001	0.4797 ± 0.0209	28.5	29.5	28.5	0.70 ± 0.06		
BE0620	#	20.00 W	1.6956 ± 0.0046	0.0147 ± 0.0001	0.0281 ± 0.0005	0.0041 ± 0.0000	0.4749 ± 0.0133	58.4	28.0	15.3	0.70 ± 0.04		
BE0621	#	20.00 W	2.5709 ± 0.0039	0.0153 ± 0.0001	0.0139 ± 0.0003	0.0071 ± 0.0000	0.4660 ± 0.0083	67.9	18.1	31.0	0.68 ± 0.02		
BE0623	#	20.00 W	1.6307 ± 0.0038	0.0148 ± 0.0000	0.0275 ± 0.0005	0.0039 ± 0.0000	0.4744 ± 0.0135	73.5	29.1	15.6	0.70 ± 0.04		
BE0624	#	20.00 W	1.9161 ± 0.0043	0.0147 ± 0.0000	0.0095 ± 0.0002	0.0049 ± 0.0000	0.4720 ± 0.0083	69.8	24.6	45.2	0.69 ± 0.02		
BE0626	#	20.00 W	1.9599 ± 0.0049	0.0151 ± 0.0001	0.0498 ± 0.0008	0.0050 ± 0.0000	0.4923 ± 0.0113	65.3	25.1	8.6	0.72 ± 0.03		
BE0629	#	20.00 W	1.6923 ± 0.0063	0.0148 ± 0.0001	0.0158 ± 0.0004	0.0041 ± 0.0001	0.4899 ± 0.0234	50.9	29.0	27.3	0.72 ± 0.07		
BE0630	#	20.00 W	1.9325 ± 0.0269	0.0151 ± 0.0002	0.0182 ± 0.0007	0.0049 ± 0.0001	0.4982 ± 0.0384	12.1	25.8	23.6	0.73 ± 0.11		
BE0632	#	20.00 W	1.9975 ± 0.0109	0.0148 ± 0.0001	0.0150 ± 0.0004	0.0051 ± 0.0001	0.4843 ± 0.0212	33.2	24.2	28.6	0.71 ± 0.06		
BE0633	#	20.00 W	2.0027 ± 0.0041	0.0148 ± 0.0001	0.0139 ± 0.0003	0.0052 ± 0.0000	0.4761 ± 0.0059	90.5	23.8	31.0	0.70 ± 0.02		
BE0635	#	20.00 W	1.5300 ± 0.0057	0.0146 ± 0.0001	0.0249 ± 0.0004	0.0035 ± 0.0000	0.4827 ± 0.0116	56.4	31.5	17.3	0.71 ± 0.03		
BE0636	#	20.00 W	1.3702 ± 0.0068	0.0147 ± 0.0001	0.0183 ± 0.0004	0.0030 ± 0.0000	0.4804 ± 0.0149	45.2	35.1	23.5	0.70 ± 0.04		
BE0638	#	20.00 W	1.7365 ± 0.0094	0.0146 ± 0.0001	0.0057 ± 0.0002	0.0042 ± 0.0001	0.4935 ± 0.0225	35.3	28.4	75.0	0.72 ± 0.07		
Weighted Mean from 14 of 14 Analy				MSWD	0.46					Age:	0.70 ± 0.01		
Inverse Isochron from 14 of 14 Analys				MSWD	0.39	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	292.2 ± 5.7			Age:	0.72 ± 0.04		

B06-070

Single crystal fusion				Biotite				$J = 0.000745 \pm 0.61\% (1\sigma)^d$				$\mu = 1.0042 \pm 0.03\% (1\sigma)^e$	
BD8019	#	20.00 W	4.1076 ± 0.0066	0.0170 ± 0.0001	0.0136 ± 0.0007	0.0120 ± 0.0002	0.5749 ± 0.0512	17.6	14.0	31.7	0.77 ± 0.14		
BD8020	#	20.00 W	3.2489 ± 0.0050	0.0162 ± 0.0002	0.0146 ± 0.0008	0.0093 ± 0.0002	0.5008 ± 0.0444	11.5	15.4	29.5	0.67 ± 0.12		
BD8022	#	20.00 W	2.6405 ± 0.0120	0.0160 ± 0.0003	0.0184 ± 0.0008	0.0069 ± 0.0002	0.5989 ± 0.0667	6.8	22.7	23.4	0.80 ± 0.18		
BD8023	#	20.00 W	5.6941 ± 0.0361	0.0210 ± 0.0006	0.0091 ± 0.0025	0.0175 ± 0.0008	0.5172 ± 0.2357	2.5	9.1	47.3	0.70 ± 0.63		
BD8025	#	20.00 W	4.1850 ± 0.0204	0.0174 ± 0.0005	0.0202 ± 0.0014	0.0125 ± 0.0003	0.4941 ± 0.0865	3.9	11.8	21.3	0.66 ± 0.23		
BD8026	#	20.00 W	2.9105 ± 0.0141	0.0171 ± 0.0003	0.0107 ± 0.0021	0.0083 ± 0.0004	0.4596 ± 0.1170	4.4	15.8	40.3	0.62 ± 0.31		
BD8028	#	20.00 W	9.8850 ± 0.0249	0.0207 ± 0.0003	0.0362 ± 0.0016	0.0318 ± 0.0003	0.4806 ± 0.0860	7.0	4.9	11.9	0.65 ± 0.23		
BD8029	#	20.00 W	2.2885 ± 0.0312	0.0170 ± 0.0004	0.0035 ± 0.0022	0.0056 ± 0.0003	0.6456 ± 0.1039	3.1	28.2	123.8	0.87 ± 0.28		
BD8031	#	20.00 W	6.3521 ± 0.0151	0.0199 ± 0.0003	0.0335 ± 0.0019	0.0192 ± 0.0003	0.6697 ± 0.0897	4.7	10.5	12.8	0.90 ± 0.24		
BD8032	#	20.00 W	3.9459 ± 0.0059	0.0165 ± 0.0002	0.0149 ± 0.0007	0.0113 ± 0.0002	0.6022 ± 0.0497	15.8	15.3	28.8	0.81 ± 0.13		
Weighted Mean from 10 of 10 Analy				MSWD	0.81					Age:	0.75 ± 0.06		

Inverse Isochron from 10 of 10 Analys	MSWD	0.90	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	294.2 \pm 7.3	Age:	0.77 \pm 0.13
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B06-072

Single crystal fusion		Biotite	$J = 0.0008067 \pm 0.31\% (1\sigma)^d$				$\mu = 1.0035 \pm 0.02\% (1\sigma)^e$		
BE0641	# 20.00 W	3.2733 \pm 0.0057	0.0147 \pm 0.0003	0.0089 \pm 0.0009	0.0033 \pm 0.0002	2.3072 \pm 0.0716	7.1	70.5	48.3 3.35 \pm 0.21
BE0643	# 20.00 W	4.0830 \pm 0.0057	0.0149 \pm 0.0002	0.0086 \pm 0.0010	0.0059 \pm 0.0003	2.3319 \pm 0.0748	7.8	57.1	50.1 3.39 \pm 0.22
BE0644	# 20.00 W	3.4725 \pm 0.0069	0.0146 \pm 0.0002	0.0198 \pm 0.0008	0.0037 \pm 0.0001	2.3692 \pm 0.0414	10.9	68.2	21.7 3.44 \pm 0.12
BE0646	# 20.00 W	3.2989 \pm 0.0062	0.0146 \pm 0.0002	0.0138 \pm 0.0005	0.0031 \pm 0.0001	2.3761 \pm 0.0342	13.6	72.0	31.0 3.45 \pm 0.10
BE0647	# 20.00 W	3.8866 \pm 0.0105	0.0150 \pm 0.0002	0.0086 \pm 0.0004	0.0050 \pm 0.0001	2.4225 \pm 0.0439	13.1	62.3	49.9 3.52 \pm 0.13
BE0649	# 20.00 W	3.4461 \pm 0.0060	0.0145 \pm 0.0002	0.0136 \pm 0.0006	0.0034 \pm 0.0001	2.4317 \pm 0.0382	14.7	70.6	31.5 3.54 \pm 0.11
BE0650	# 20.00 W	4.3961 \pm 0.0074	0.0153 \pm 0.0001	0.0348 \pm 0.0007	0.0067 \pm 0.0001	2.4052 \pm 0.0193	29.8	54.7	12.3 3.50 \pm 0.06
BE0652	# 20.00 W	3.8829 \pm 0.0164	0.0153 \pm 0.0004	0.0091 \pm 0.0016	0.0053 \pm 0.0003	2.3186 \pm 0.1012	4.9	59.7	47.3 3.37 \pm 0.29
BE0653	# 20.00 W	3.8471 \pm 0.0049	0.0145 \pm 0.0002	0.0345 \pm 0.0007	0.0050 \pm 0.0001	2.3852 \pm 0.0217	28.8	62.0	12.5 3.47 \pm 0.06
BE0655	# 20.00 W	3.6475 \pm 0.0058	0.0149 \pm 0.0002	0.0475 \pm 0.0010	0.0042 \pm 0.0001	2.4108 \pm 0.0381	12.4	66.1	9.0 3.51 \pm 0.11
BE0656	# 20.00 W	3.6406 \pm 0.0082	0.0150 \pm 0.0001	0.0169 \pm 0.0006	0.0044 \pm 0.0001	2.3505 \pm 0.0446	11.6	64.6	25.5 3.42 \pm 0.13
BE0658	# 20.00 W	4.0548 \pm 0.0106	0.0146 \pm 0.0001	0.0162 \pm 0.0004	0.0056 \pm 0.0001	2.4011 \pm 0.0330	17.6	59.2	26.6 3.49 \pm 0.10
BE0659	# 20.00 W	5.4190 \pm 0.0154	0.0162 \pm 0.0002	0.0164 \pm 0.0007	0.0102 \pm 0.0002	2.4007 \pm 0.0486	12.9	44.3	26.2 3.49 \pm 0.14
Weighted Mean from 13 of 13 Analy		MSWD	0.54						Age: 3.48 \pm 0.04
Inverse Isochron from 13 of 13 Analys		MSWD	0.53	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	300.2 \pm 12.6				Age: 3.44 \pm 0.10

B06-073

Single crystal fusion		Biotite	$J = 0.000745 \pm 0.61\% (1\sigma)^d$				$\mu = 1.0042 \pm 0.03\% (1\sigma)^e$		
BD8035	# 20.00 W	3.2857 \pm 0.0082	0.0154 \pm 0.0001	0.0395 \pm 0.0009	0.0067 \pm 0.0001	1.3194 \pm 0.0368	22.5	40.2	10.9 1.77 \pm 0.10
BD8036	# 20.00 W	3.6560 \pm 0.0107	0.0163 \pm 0.0002	0.0162 \pm 0.0006	0.0082 \pm 0.0001	1.2404 \pm 0.0318	16.6	33.9	26.5 1.67 \pm 0.09
BD8038	# 20.00 W	3.8119 \pm 0.0113	0.0161 \pm 0.0002	0.0312 \pm 0.0008	0.0088 \pm 0.0002	1.2098 \pm 0.0526	14.0	31.7	13.8 1.63 \pm 0.14
BD8039	# 20.00 W	2.4972 \pm 0.0050	0.0149 \pm 0.0001	0.0289 \pm 0.0006	0.0042 \pm 0.0000	1.2587 \pm 0.0144	23.3	50.4	14.9 1.69 \pm 0.04
BD8041	# 20.00 W	2.7576 \pm 0.0081	0.0155 \pm 0.0001	0.0324 \pm 0.0008	0.0051 \pm 0.0001	1.2473 \pm 0.0353	14.0	45.2	13.3 1.68 \pm 0.09
BD8042	# 20.00 W	2.8376 \pm 0.0078	0.0155 \pm 0.0002	0.0327 \pm 0.0007	0.0054 \pm 0.0001	1.2545 \pm 0.0238	19.7	44.2	13.2 1.69 \pm 0.06
BD8044	# 20.00 W	2.9226 \pm 0.0069	0.0152 \pm 0.0002	0.0270 \pm 0.0006	0.0056 \pm 0.0001	1.2818 \pm 0.0239	25.5	43.9	15.9 1.72 \pm 0.06
BD8045	# 20.00 W	5.6635 \pm 0.0072	0.0170 \pm 0.0001	0.0479 \pm 0.0011	0.0148 \pm 0.0001	1.2780 \pm 0.0281	25.5	22.6	9.0 1.72 \pm 0.08
BD8047	# 20.00 W	3.2093 \pm 0.0055	0.0155 \pm 0.0002	0.0306 \pm 0.0008	0.0066 \pm 0.0001	1.2741 \pm 0.0230	23.5	39.7	14.0 1.71 \pm 0.06
BD8048	# 20.00 W	3.7071 \pm 0.0087	0.0159 \pm 0.0001	0.0391 \pm 0.0008	0.0082 \pm 0.0001	1.2785 \pm 0.0227	35.2	34.5	11.0 1.72 \pm 0.06
Weighted Mean from 10 of 10 Analy		MSWD	0.63						Age: 1.70 \pm 0.03
Inverse Isochron from 10 of 10 Analys		MSWD	0.67	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	297.1 \pm 5.6				Age: 1.69 \pm 0.06

B06-077

Single crystal fusion Biotite										$J = 0.000745 \pm 0.61\% (1\sigma)^d$	$\mu = 1.0042 \pm 0.03\% (1\sigma)^e$
BD8050	#	20.00 W	6.8339 ± 0.0130	0.0159 ± 0.0001	0.0620 ± 0.0012	0.0057 ± 0.0001	5.1411 ± 0.0239	36.5	40.2	6.9	6.90 ± 0.06
BD8051	#	20.00 W	6.2073 ± 0.0180	0.0154 ± 0.0001	0.0309 ± 0.0009	0.0038 ± 0.0001	5.0716 ± 0.0394	15.2	33.9	13.9	6.80 ± 0.11
BD8053	#	20.00 W	6.5052 ± 0.0090	0.0155 ± 0.0001	0.0370 ± 0.0010	0.0047 ± 0.0001	5.1235 ± 0.0359	16.3	31.7	11.6	6.87 ± 0.10
BD8054	#	20.00 W	6.8265 ± 0.0127	0.0155 ± 0.0001	0.0301 ± 0.0007	0.0059 ± 0.0001	5.0732 ± 0.0213	25.0	50.4	14.3	6.81 ± 0.06
BD8056	#	20.00 W	6.6384 ± 0.0078	0.0154 ± 0.0001	0.0196 ± 0.0006	0.0051 ± 0.0001	5.1236 ± 0.0185	22.2	45.2	22.0	6.87 ± 0.05
BD8057	#	20.00 W	6.7233 ± 0.0102	0.0154 ± 0.0001	0.0406 ± 0.0009	0.0054 ± 0.0001	5.1308 ± 0.0178	26.8	44.2	10.6	6.88 ± 0.05
BD8059	#	20.00 W	6.4385 ± 0.0067	0.0153 ± 0.0002	0.0474 ± 0.0010	0.0044 ± 0.0001	5.1355 ± 0.0184	30.5	43.9	9.1	6.89 ± 0.05
BD8060	#	20.00 W	6.1859 ± 0.0100	0.0152 ± 0.0002	0.0273 ± 0.0008	0.0037 ± 0.0001	5.0956 ± 0.0332	18.6	22.6	15.7	6.84 ± 0.09
BD8062	#	20.00 W	7.1386 ± 0.0181	0.0159 ± 0.0001	0.0564 ± 0.0011	0.0069 ± 0.0001	5.1038 ± 0.0243	42.2	39.7	7.6	6.85 ± 0.07
BD8063	#	20.00 W	6.7232 ± 0.0102	0.0155 ± 0.0001	0.0146 ± 0.0004	0.0054 ± 0.0001	5.1139 ± 0.0209	35.8	34.5	29.4	6.86 ± 0.06
Weighted Mean from 10 of 10 Analy			MSWD	1.01						Age:	6.86 ± 0.09
Inverse Isochron from 10 of 10 Analys			MSWD	1.12	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	292.7 ± 19.3				Age:	6.88 ± 0.16

B06-080

Single crystal fusion Biotite										$J = 0.0008067 \pm 0.31\% (1\sigma)d$	$\mu = 1.0035 \pm 0.02\% (1\sigma)^e$
BE0661	#	20.00 W	5.0979 ± 0.0068	0.0146 ± 0.0001	0.0211 ± 0.0004	0.0038 ± 0.0000	3.9768 ± 0.0148	46.4	78.0	20.4	5.78 ± 0.04
BE0662	#	20.00 W	4.4234 ± 0.0069	0.0141 ± 0.0001	0.0033 ± 0.0002	0.0013 ± 0.0000	4.0316 ± 0.0157	26.0	91.1	129.0	5.86 ± 0.05
BE0664	#	20.00 W	4.5784 ± 0.0065	0.0139 ± 0.0001	0.0110 ± 0.0002	0.0019 ± 0.0000	4.0062 ± 0.0108	53.4	87.5	39.2	5.82 ± 0.03
BE0665	#	20.00 W	4.3329 ± 0.0052	0.0143 ± 0.0001	0.0045 ± 0.0002	0.0011 ± 0.0000	3.9996 ± 0.0134	48.4	92.3	96.5	5.81 ± 0.04
BE0667	#	20.00 W	4.3416 ± 0.0065	0.0139 ± 0.0001	0.0130 ± 0.0002	0.0012 ± 0.0000	3.9915 ± 0.0095	63.7	91.9	33.1	5.80 ± 0.03
BE0668	#	20.00 W	8.7237 ± 0.0095	0.0169 ± 0.0001	0.0095 ± 0.0002	0.0161 ± 0.0001	3.9659 ± 0.0349	46.5	45.5	45.1	5.76 ± 0.10
BE0670	#	20.00 W	4.5810 ± 0.0475	0.0141 ± 0.0002	0.0184 ± 0.0004	0.0019 ± 0.0001	4.0063 ± 0.0488	24.4	87.5	23.4	5.82 ± 0.14
BE0671	#	20.00 W	5.3276 ± 0.0093	0.0145 ± 0.0001	0.0266 ± 0.0004	0.0046 ± 0.0000	3.9757 ± 0.0106	152.2	74.6	16.2	5.78 ± 0.03
BE0673	#	20.00 W	4.8141 ± 0.0542	0.0143 ± 0.0001	0.0078 ± 0.0005	0.0031 ± 0.0001	3.9039 ± 0.0568	22.0	81.1	54.9	5.67 ± 0.16
BE0674	#	20.00 W	5.4794 ± 0.0108	0.0148 ± 0.0001	0.0474 ± 0.0008	0.0051 ± 0.0000	3.9703 ± 0.0108	119.1	72.5	9.1	5.77 ± 0.03
BE0676	#	20.00 W	4.3590 ± 0.0047	0.0140 ± 0.0001	0.0105 ± 0.0002	0.0012 ± 0.0000	4.0033 ± 0.0065	79.1	91.8	40.9	5.82 ± 0.02
BE0677	#	20.00 W	6.6692 ± 0.0084	0.0155 ± 0.0001	0.0076 ± 0.0002	0.0090 ± 0.0000	4.0064 ± 0.0114	48.9	60.1	56.9	5.82 ± 0.03
BE0679	#	20.00 W	4.2234 ± 0.0082	0.0137 ± 0.0001	0.0199 ± 0.0004	0.0008 ± 0.0000	4.0014 ± 0.0153	36.0	94.7	21.6	5.81 ± 0.04
Weighted Mean from 13 of 13 Analy			MSWD	1.91						Age:	5.81 ± 0.04
Inverse Isochron from 13 of 13 Analys			MSWD	1.85	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	293.6 ± 3.3				Age:	5.81 ± 0.04

B06-081

Single crystal fusion			Biotite	$J = 0.0008067 \pm 0.31\% (1\sigma)d$						$\mu = 1.0035 \pm 0.02\% (1\sigma)^e$		
BE0680	#	20.00 W	22.9609 \pm 0.0492	0.0269 \pm 0.0002	0.0506 \pm 0.0011	0.0684 \pm 0.0002	2.7533 \pm 0.0610	18.4	12.0	8.5	4.00 \pm 0.18	
BE0682		20.00 W	41.4482 \pm 0.1066	0.0394 \pm 0.0003	0.1145 \pm 0.0021	0.1299 \pm 0.0006	3.0726 \pm 0.1570	12.4	7.4	3.8	4.47 \pm 0.46	
BE0683	#	20.00 W	7.5261 \pm 0.0308	0.0173 \pm 0.0002	0.0449 \pm 0.0011	0.0162 \pm 0.0002	2.7542 \pm 0.0620	17.6	36.6	9.6	4.00 \pm 0.18	
BE0685	#	20.00 W	13.5520 \pm 0.0194	0.0212 \pm 0.0002	0.0841 \pm 0.0015	0.0368 \pm 0.0002	2.6969 \pm 0.0531	33.2	19.9	5.1	3.92 \pm 0.15	
BE0686	#	20.00 W	37.7035 \pm 0.0686	0.0370 \pm 0.0003	0.1681 \pm 0.0028	0.1185 \pm 0.0004	2.7053 \pm 0.1204	20.2	7.2	2.6	3.93 \pm 0.35	
BE0688	#	20.00 W	16.3949 \pm 0.0261	0.0229 \pm 0.0002	0.0389 \pm 0.0007	0.0465 \pm 0.0002	2.6630 \pm 0.0671	21.7	16.2	11.0	3.87 \pm 0.19	
BE0689	#	20.00 W	23.0548 \pm 0.0394	0.0266 \pm 0.0003	0.0328 \pm 0.0007	0.0692 \pm 0.0002	2.5976 \pm 0.0474	18.4	11.3	13.1	3.78 \pm 0.14	
BE0691	#	20.00 W	13.8257 \pm 0.0179	0.0214 \pm 0.0001	0.0459 \pm 0.0008	0.0380 \pm 0.0001	2.6040 \pm 0.0367	48.5	18.8	9.4	3.79 \pm 0.11	
BE0692	#	20.00 W	9.3317 \pm 0.0162	0.0185 \pm 0.0001	0.0413 \pm 0.0008	0.0226 \pm 0.0002	2.6664 \pm 0.0544	32.8	28.6	10.4	3.88 \pm 0.16	
BE0694	#	20.00 W	19.3856 \pm 0.0356	0.0247 \pm 0.0001	0.0298 \pm 0.0005	0.0568 \pm 0.0002	2.5984 \pm 0.0565	42.9	13.4	14.4	3.78 \pm 0.16	
BE0695		20.00 W	31.0842 \pm 0.0652	0.0319 \pm 0.0002	0.0873 \pm 0.0017	0.0953 \pm 0.0003	2.9396 \pm 0.0573	18.6	9.5	4.9	4.27 \pm 0.17	
BE0697	#	20.00 W	34.5331 \pm 0.1019	0.0349 \pm 0.0004	0.0726 \pm 0.0017	0.1079 \pm 0.0004	2.6671 \pm 0.0797	13.7	7.7	5.9	3.88 \pm 0.23	
BE0698	#	20.00 W	54.7817 \pm 0.3010	0.0478 \pm 0.0005	0.0256 \pm 0.0012	0.1764 \pm 0.0010	2.6706 \pm 0.1254	6.0	4.9	16.8	3.88 \pm 0.36	
Weighted Mean from 11 of 13 Analy			MSWD	1.05							Age:	3.86 \pm 0.06
Inverse Isochron from 11 of 13 Analys			MSWD	1.16	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	295.4 \pm 1.3					Age:	3.87 \pm 0.11

B06-085

Single crystal fusion			Biotite	$J = 0.0008067 \pm 0.31\% (1\sigma)d$						$\mu = 1.0035 \pm 0.02\% (1\sigma)^e$		
BE0700	#	20.00 W	32.4242 \pm 0.0797	0.0323 \pm 0.0002	0.0580 \pm 0.0012	0.0967 \pm 0.0003	3.8400 \pm 0.0650	27.7	11.8	7.4	5.58 \pm 0.19	
BE0701	#	20.00 W	30.7445 \pm 0.0545	0.0314 \pm 0.0002	0.0722 \pm 0.0013	0.0911 \pm 0.0003	3.8149 \pm 0.0596	18.1	12.4	6.0	5.54 \pm 0.17	
BE0703	#	20.00 W	32.1828 \pm 0.0739	0.0328 \pm 0.0002	0.0822 \pm 0.0015	0.0962 \pm 0.0003	3.7558 \pm 0.0531	30.3	11.7	5.2	5.46 \pm 0.15	
BE0704	#	20.00 W	42.2616 \pm 0.2316	0.0392 \pm 0.0001	0.0357 \pm 0.0010	0.1300 \pm 0.0008	3.8462 \pm 0.0964	12.5	9.1	12.0	5.59 \pm 0.28	
BE0706	#	20.00 W	37.5609 \pm 0.0639	0.0360 \pm 0.0003	0.0507 \pm 0.0013	0.1146 \pm 0.0005	3.6939 \pm 0.1303	15.3	9.8	8.5	5.37 \pm 0.38	
BE0707	#	20.00 W	35.2731 \pm 0.4880	0.0346 \pm 0.0005	0.0233 \pm 0.0019	0.1073 \pm 0.0016	3.5782 \pm 0.1881	4.8	10.1	18.5	5.20 \pm 0.55	
BE0709	#	20.00 W	43.5824 \pm 0.1433	0.0395 \pm 0.0002	0.0126 \pm 0.0006	0.1347 \pm 0.0005	3.7742 \pm 0.0560	21.8	8.7	34.2	5.48 \pm 0.16	
BE0710	#	20.00 W	32.6692 \pm 0.0942	0.0332 \pm 0.0002	0.1429 \pm 0.0023	0.0981 \pm 0.0005	3.7056 \pm 0.1255	24.4	11.3	3.0	5.38 \pm 0.36	
BE0712	#	20.00 W	24.6595 \pm 0.0593	0.0273 \pm 0.0002	0.0549 \pm 0.0009	0.0705 \pm 0.0002	3.8445 \pm 0.0383	28.9	15.6	7.8	5.59 \pm 0.11	
BE0713	#	20.00 W	28.2060 \pm 0.0898	0.0301 \pm 0.0002	0.0373 \pm 0.0009	0.0824 \pm 0.0003	3.8519 \pm 0.0539	22.0	13.7	11.5	5.60 \pm 0.16	
BE0715	#	20.00 W	37.7541 \pm 0.1144	0.0357 \pm 0.0003	0.0625 \pm 0.0011	0.1153 \pm 0.0004	3.6768 \pm 0.0767	25.6	9.7	6.9	5.34 \pm 0.22	
Weighted Mean from 11 of 11 Analy			MSWD	0.90							Age:	5.52 \pm 0.07
Inverse Isochron from 11 of 11 Analys			MSWD	0.71	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	294.0 \pm 1.8					Age:	5.73 \pm 0.26

92CJ018

Single crystal fusion	sanidine	$J = 0.0008047 \pm 0.33\% (1\sigma)d$						$\mu = 1.0032 \pm 0.02\% (1\sigma)^e$		
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BE1044	#	35.00 W	3.6479 ± 0.0014	0.0122 ± 0.0001	0.0045 ± 0.0003	0.0001 ± 0.0000	3.6058 ± 0.0072	48.8	98.8	94.7	5.23 ± 0.02
BE1046	#	35.00 W	3.6496 ± 0.0039	0.0121 ± 0.0000	0.0037 ± 0.0003	0.0001 ± 0.0000	3.6177 ± 0.0082	55.0	99.1	116.7	5.24 ± 0.02
BE1047	#	35.00 W	3.7558 ± 0.0070	0.0125 ± 0.0001	0.0053 ± 0.0005	0.0004 ± 0.0000	3.6288 ± 0.0151	30.2	96.6	81.0	5.26 ± 0.04
BE1049	#	35.00 W	3.7636 ± 0.0053	0.0123 ± 0.0001	0.0050 ± 0.0003	0.0006 ± 0.0000	3.5928 ± 0.0146	36.3	95.5	85.2	5.21 ± 0.04
BE1050	#	35.00 W	3.8524 ± 0.0044	0.0125 ± 0.0002	0.0032 ± 0.0003	0.0009 ± 0.0001	3.5712 ± 0.0169	41.4	92.7	132.4	5.18 ± 0.05
BE1052	#	35.00 W	3.8111 ± 0.0088	0.0124 ± 0.0001	0.0033 ± 0.0003	0.0007 ± 0.0001	3.6038 ± 0.0175	36.7	94.6	129.7	5.22 ± 0.05
BE1053	#	35.00 W	4.6062 ± 0.0059	0.0129 ± 0.0002	0.0038 ± 0.0004	0.0035 ± 0.0001	3.5861 ± 0.0257	28.7	77.9	112.4	5.20 ± 0.07
BE1055	#	35.00 W	3.7090 ± 0.0082	0.0123 ± 0.0002	0.0034 ± 0.0005	0.0004 ± 0.0001	3.5939 ± 0.0341	16.5	96.9	127.3	5.21 ± 0.10
BE1056	#	35.00 W	3.8406 ± 0.0060	0.0124 ± 0.0001	0.0037 ± 0.0003	0.0008 ± 0.0001	3.6042 ± 0.0205	28.6	93.8	117.7	5.22 ± 0.06
BE1058	#	35.00 W	3.8248 ± 0.0050	0.0123 ± 0.0001	0.0031 ± 0.0004	0.0008 ± 0.0001	3.5900 ± 0.0299	18.5	93.9	136.9	5.20 ± 0.09
BE1059	#	35.00 W	3.7535 ± 0.0043	0.0122 ± 0.0001	0.0057 ± 0.0003	0.0006 ± 0.0001	3.5781 ± 0.0170	28.3	95.3	75.3	5.19 ± 0.05
BE1061	#	35.00 W	3.7088 0.0051	0.0122 0.0002	0.0034 0.0003	0.0004 0.0001	3.6025 0.0187	29.3	97.1	125.1	5.22 0.05
BE1062	#	35.00 W	4.2229 0.0046	0.0129 0.0001	0.0042 0.0003	0.0020 0.0001	3.6248 0.0233	33.4	85.8	103.5	5.25 0.07
BE1064	#	35.00 W	3.7950 0.0036	0.0123 0.0001	0.0039 0.0004	0.0007 0.0001	3.5988 0.0240	24.1	94.8	109.1	5.22 0.07
BE1065	#	35.00 W	4.9852 0.0087	0.0131 0.0001	0.0095 0.0003	0.0047 0.0001	3.5893 0.0186	43.4	72.0	45.0	5.20 0.05
BE1067	#	35.00 W	3.7974 0.0049	0.0123 0.0001	0.0028 0.0002	0.0007 0.0000	3.5910 0.0126	60.2	94.6	150.9	5.21 0.04
Weighted Mean from 16 of 16 Analy				MSWD	1.04					Age:	5.22 ± 0.04
Inverse Isochron from 16 of 16 Analys				MSWD	1.00	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	290.9 ± 7.3			Age:	5.23 ± 0.04

89019

Single crystal fusion sanidine											
$J = 0.0008047 \pm 0.33\% (1\sigma)d$ $\mu = 1.0032 \pm 0.02\% (1\sigma)^e$											
BE1019	#	35.00 W	3.8362 ± 0.0064	0.0124 ± 0.0001	0.0073 ± 0.0002	0.0002 ± 0.0000	3.7694 ± 0.0104	52.3	98.3	58.8	5.46 ± 0.03
BE1020	#	35.00 W	4.1208 ± 0.0057	0.0127 ± 0.0001	0.0058 ± 0.0003	0.0013 ± 0.0000	3.7472 ± 0.0126	40.5	90.9	74.4	5.43 ± 0.04
BE1022	#	35.00 W	3.8899 ± 0.0048	0.0126 ± 0.0001	0.0067 ± 0.0002	0.0005 ± 0.0000	3.7429 ± 0.0139	43.6	96.2	64.5	5.43 ± 0.04
BE1023	#	35.00 W	3.8038 ± 0.0067	0.0123 ± 0.0001	0.0071 ± 0.0003	0.0001 ± 0.0000	3.7715 ± 0.0143	40.4	99.1	60.6	5.47 ± 0.04
BE1025	#	35.00 W	5.4100 ± 0.0089	0.0134 ± 0.0001	0.0062 ± 0.0003	0.0055 ± 0.0001	3.7741 ± 0.0172	36.6	69.8	69.5	5.47 ± 0.05
BE1026	#	35.00 W	4.1312 ± 0.0058	0.0125 ± 0.0000	0.0063 ± 0.0002	0.0012 ± 0.0000	3.7628 ± 0.0121	50.4	91.1	68.0	5.45 ± 0.03
BE1028	#	35.00 W	3.8265 ± 0.0094	0.0125 ± 0.0001	0.0056 ± 0.0003	0.0002 ± 0.0000	3.7742 ± 0.0169	27.7	98.6	77.1	5.47 ± 0.05
BE1029	#	35.00 W	3.8322 ± 0.0077	0.0123 ± 0.0001	0.0061 ± 0.0003	0.0002 ± 0.0001	3.7668 ± 0.0234	22.3	98.3	70.0	5.46 ± 0.07
BE1031	#	35.00 W	3.9581 ± 0.0067	0.0126 ± 0.0001	0.0066 ± 0.0004	0.0006 ± 0.0000	3.7778 ± 0.0156	27.4	95.4	65.4	5.48 ± 0.05
BE1032	#	35.00 W	3.9631 ± 0.0045	0.0124 ± 0.0001	0.0132 ± 0.0004	0.0006 ± 0.0001	3.7898 ± 0.0191	30.4	95.6	32.5	5.49 ± 0.06
BE1034	#	35.00 W	4.1048 ± 0.0054	0.0124 ± 0.0001	0.0056 ± 0.0004	0.0012 ± 0.0001	3.7611 ± 0.0159	34.7	91.6	76.7	5.45 ± 0.05
BE1035		35.00 W	5.4241 ± 0.0098	0.0135 ± 0.0002	0.0066 ± 0.0003	0.0049 ± 0.0001	3.9870 ± 0.0224	29.2	73.5	65.5	5.78 ± 0.06
BE1037	#	35.00 W	3.9434 ± 0.0072	0.0124 ± 0.0002	0.0060 ± 0.0005	0.0006 ± 0.0001	3.7667 ± 0.0247	18.5	95.5	71.7	5.46 ± 0.07
BE1038	#	35.00 W	3.9107 ± 0.0048	0.0128 ± 0.0001	0.0051 ± 0.0006	0.0006 ± 0.0001	3.7426 ± 0.0255	21.8	95.7	84.0	5.43 ± 0.07
BE1040	#	35.00 W	3.8613 ± 0.0064	0.0124 ± 0.0001	0.0063 ± 0.0004	0.0003 ± 0.0000	3.7608 ± 0.0136	30.5	97.4	68.3	5.45 ± 0.04
BE1041	#	35.00 W	3.8161 ± 0.0062	0.0125 ± 0.0001	0.0092 ± 0.0007	0.0003 ± 0.0001	3.7360 ± 0.0201	22.6	97.9	46.9	5.42 ± 0.06
BE1043	#	35.00 W	4.4672 ± 0.0080	0.0126 ± 0.0001	0.0055 ± 0.0006	0.0024 ± 0.0001	3.7488 ± 0.0238	16.1	83.9	77.8	5.43 ± 0.07

Weighted Mean from 16 of 17 Analy	MSWD	0.73					Age:	5.45 ± 0.04
Inverse Isochron from 16 of 17 Analys	MSWD	0.78	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	296.4 ± 6.6			Age:	5.45 ± 0.04

92CJ018

Single crystal fusion			biotite	$J = 0.0008067 \pm 0.31\% (1\sigma)d$					$\mu = 1.0034 \pm 0.02\% (1\sigma)^e$		
BE1096	#	20.00 W	5.0718 ± 0.0079	0.0152 ± 0.0001	0.0170 ± 0.0004	0.0045 ± 0.0000	3.7543 ± 0.0104	84.1	74.0	25.3	5.46 ± 0.03
BE1097	#	20.00 W	6.9157 ± 0.0082	0.0169 ± 0.0000	0.0135 ± 0.0003	0.0106 ± 0.0000	3.7816 ± 0.0132	102.7	54.7	31.9	5.50 ± 0.04
BE1099	#	20.00 W	5.3988 ± 0.0105	0.0160 ± 0.0001	0.0810 ± 0.0016	0.0054 ± 0.0001	3.7992 ± 0.0264	50.8	70.4	5.3	5.52 ± 0.08
BE1100	#	20.00 W	4.8766 ± 0.0141	0.0155 ± 0.0001	0.0157 ± 0.0004	0.0037 ± 0.0001	3.7750 ± 0.0220	42.8	77.4	27.4	5.49 ± 0.06
BE1102	#	20.00 W	5.0457 ± 0.0120	0.0148 ± 0.0000	0.0145 ± 0.0003	0.0043 ± 0.0001	3.7667 ± 0.0212	47.1	74.6	29.7	5.47 ± 0.06
BE1103	#	20.00 W	5.6373 ± 0.0131	0.0158 ± 0.0001	0.0019 ± 0.0002	0.0062 ± 0.0001	3.8044 ± 0.0201	48.1	67.5	220.9	5.53 ± 0.06
BE1105	#	20.00 W	5.2036 ± 0.0138	0.0151 ± 0.0000	0.0020 ± 0.0002	0.0048 ± 0.0001	3.7707 ± 0.0268	37.5	72.5	218.2	5.48 ± 0.08
BE1106	#	20.00 W	5.2909 ± 0.0257	0.0158 ± 0.0001	0.0035 ± 0.0003	0.0050 ± 0.0001	3.8203 ± 0.0390	21.0	72.2	122.2	5.55 ± 0.11
BE1108	#	20.00 W	4.9290 ± 0.0179	0.0156 ± 0.0002	0.0055 ± 0.0016	0.0036 ± 0.0003	3.8556 ± 0.0859	6.0	78.2	78.4	5.60 ± 0.25
Weighted Mean from 9 of 9 Analyse				MSWD	1.20					Age:	5.48 ± 0.04
Inverse Isochron from 9 of 9 Analyses:				MSWD	1.18	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	298.3 ± 5.4			Age:	5.46 ± 0.06

89019

Single crystal fusion			biotite	$J = 0.0008067 \pm 0.31\% (1\sigma)d$					$\mu = 1.0034 \pm 0.02\% (1\sigma)^e$		
BE1109	#	20.00 W	7.4801 ± 0.0099	0.0168 ± 0.0001	0.0521 ± 0.0010	0.0121 ± 0.0001	3.9148 ± 0.0172	59.7	52.3	8.3	5.69 ± 0.05
BE1111	#	20.00 W	7.2814 ± 0.0133	0.0172 ± 0.0001	0.0762 ± 0.0016	0.0113 ± 0.0001	3.9356 ± 0.0246	38.3	54.0	5.6	5.72 ± 0.07
BE1112	#	20.00 W	8.5144 ± 0.0204	0.0176 ± 0.0001	0.0507 ± 0.0011	0.0156 ± 0.0001	3.9100 ± 0.0352	25.2	45.9	8.5	5.68 ± 0.10
BE1114	#	20.00 W	8.3273 ± 0.0134	0.0177 ± 0.0001	0.0454 ± 0.0010	0.0154 ± 0.0001	3.7848 ± 0.0205	50.7	45.4	9.5	5.50 ± 0.06
BE1115	#	20.00 W	8.2092 ± 0.0100	0.0178 ± 0.0001	0.0296 ± 0.0006	0.0150 ± 0.0000	3.7726 ± 0.0131	69.9	46.0	14.5	5.48 ± 0.04
BE1117	#	20.00 W	9.3767 ± 0.0107	0.0186 ± 0.0001	0.0760 ± 0.0014	0.0186 ± 0.0001	3.8961 ± 0.0167	102.2	41.5	5.7	5.66 ± 0.05
BE1118	#	20.00 W	8.2605 ± 0.0115	0.0178 ± 0.0001	0.0386 ± 0.0009	0.0151 ± 0.0001	3.7927 ± 0.0354	40.0	45.9	11.1	5.51 ± 0.10
BE1120	#	20.00 W	8.9748 ± 0.0065	0.0180 ± 0.0001	0.0520 ± 0.0010	0.0175 ± 0.0001	3.8171 ± 0.0201	56.5	42.5	8.3	5.55 ± 0.06
BE1121	#	20.00 W	8.2844 ± 0.0141	0.0182 ± 0.0001	0.1248 ± 0.0026	0.0147 ± 0.0001	3.9538 ± 0.0277	42.2	47.7	3.4	5.74 ± 0.08
BE1123	#	20.00 W	8.7003 ± 0.0146	0.0180 ± 0.0002	0.0525 ± 0.0012	0.0158 ± 0.0002	4.0227 ± 0.0599	17.5	46.2	8.2	5.84 ± 0.17
BE1124	#	20.00 W	7.8398 ± 0.0136	0.0172 ± 0.0001	0.0248 ± 0.0008	0.0132 ± 0.0001	3.9383 ± 0.0356	25.7	50.2	17.3	5.72 ± 0.10
BE1126	#	20.00 W	9.9466 ± 0.0089	0.0186 ± 0.0001	0.0283 ± 0.0006	0.0204 ± 0.0001	3.9094 ± 0.0243	56.1	39.3	15.2	5.68 ± 0.07
BE1127	#	20.00 W	8.4880 ± 0.0169	0.0181 ± 0.0002	0.0856 ± 0.0021	0.0154 ± 0.0001	3.9580 ± 0.0382	19.8	46.6	5.0	5.75 ± 0.11
BE1129	#	20.00 W	7.2960 ± 0.0087	0.0171 ± 0.0001	0.0596 ± 0.0012	0.0114 ± 0.0001	3.9238 ± 0.0197	54.4	53.8	7.2	5.70 ± 0.06
Weighted Mean from 14 of 14 Analy				MSWD	10.46					Age:	5.62 ± 0.07
Inverse Isochron from 14 of 14 Analys				MSWD	11.04	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	291.5 ± 14.8			Age:	5.71 ± 0.33

89017

										$J = 0.0008067 \pm 0.31\% (1\sigma)d$	$\mu = 1.0034 \pm 0.02\% (1\sigma)^e$
Single crystal fusion			biotite								
BE1130	#	20.00 W	3.0160 ± 0.0046	0.0147 ± 0.0001	0.0205 ± 0.0009	0.0034 ± 0.0001	2.0081 ± 0.0305	19.2	66.6	20.9	2.92 ± 0.09
BE1132	#	20.00 W	3.2161 ± 0.0035	0.0148 ± 0.0001	0.0409 ± 0.0010	0.0041 ± 0.0001	2.0163 ± 0.0241	25.0	62.7	10.5	2.93 ± 0.07
BE1133	#	20.00 W	3.3257 ± 0.0048	0.0144 ± 0.0001	0.0187 ± 0.0012	0.0045 ± 0.0001	2.0016 ± 0.0262	21.4	60.2	23.0	2.91 ± 0.08
BE1135	#	20.00 W	3.1701 ± 0.0092	0.0145 ± 0.0001	0.0385 ± 0.0013	0.0039 ± 0.0001	2.0080 ± 0.0394	13.3	63.3	11.2	2.92 ± 0.11
BE1136	#	20.00 W	2.7726 ± 0.0044	0.0135 ± 0.0001	0.0096 ± 0.0005	0.0027 ± 0.0001	1.9739 ± 0.0195	18.9	71.2	44.6	2.87 ± 0.06
BE1138	#	20.00 W	3.2490 ± 0.0048	0.0152 ± 0.0001	0.0348 ± 0.0008	0.0041 ± 0.0001	2.0350 ± 0.0261	16.2	62.6	12.4	2.96 ± 0.08
BE1139	#	20.00 W	2.7897 ± 0.0043	0.0146 ± 0.0002	0.0583 ± 0.0017	0.0028 ± 0.0001	1.9675 ± 0.0356	11.1	70.5	7.4	2.86 ± 0.10
BE1141	#	20.00 W	5.1866 ± 0.0199	0.0169 ± 0.0003	0.1037 ± 0.0029	0.0107 ± 0.0002	2.0352 ± 0.0588	5.1	39.2	4.1	2.96 ± 0.17
BE1142	#	20.00 W	3.6657 ± 0.0078	0.0153 ± 0.0003	0.0659 ± 0.0023	0.0056 ± 0.0001	2.0117 ± 0.0386	8.3	54.9	6.5	2.93 ± 0.11
BE1144	#	21.00 W	2.8299 ± 0.0421	0.0145 ± 0.0002	0.0638 ± 0.0029	0.0024 ± 0.0002	2.1162 ± 0.0772	5.5	74.8	6.7	3.08 ± 0.22
BE1145	#	22.00 W	2.8915 ± 0.0216	0.0141 ± 0.0002	0.0227 ± 0.0010	0.0031 ± 0.0001	1.9859 ± 0.0428	11.0	68.7	19.0	2.89 ± 0.12
BE1147	#	23.00 W	3.6278 ± 0.0348	0.0155 ± 0.0004	0.0443 ± 0.0019	0.0055 ± 0.0002	2.0080 ± 0.0615	6.8	55.3	9.7	2.92 ± 0.18
BE1148	#	24.00 W	4.3311 ± 0.0498	0.0157 ± 0.0004	0.0991 ± 0.0040	0.0077 ± 0.0002	2.0736 ± 0.0787	4.6	47.9	4.3	3.02 ± 0.23
BE1150	#	25.00 W	3.0527 ± 0.0397	0.0151 ± 0.0004	0.0285 ± 0.0018	0.0035 ± 0.0002	2.0052 ± 0.0771	5.9	65.7	15.1	2.92 ± 0.22
Weighted Mean from 14 of 14 Analy			MSWD	0.66						Age:	2.91 ± 0.03
Inverse Isochron from 14 of 14 Analys			MSWD	0.51	${}^{40}\text{Ar} / {}^{36}\text{Ar} \pm 2\sigma$	305.6 ± 13.2				Age:	2.86 ± 0.08

89001

										$J = 0.000516 \pm 0.50\% (1\sigma)d$	$\mu = 1.00375 \pm 0.05\% (1\sigma)^e$
Single crystal fusion			biotite								
BD4856	#	15.00 W	5.2405 ± 0.0248	0.0145 ± 0.0001	0.0332 ± 0.0005	0.0028 ± 0.0000	4.4175 ± 0.0269	83.3	84.3	12.9	4.11 ± 0.06
BD4857	#	15.00 W	4.6280 ± 0.0088	0.0138 ± 0.0002	0.0615 ± 0.0007	0.0007 ± 0.0001	4.4108 ± 0.0207	66.7	95.3	7.0	4.10 ± 0.06
BD4861	#	15.00 W	5.0894 ± 0.0175	0.0143 ± 0.0001	0.0444 ± 0.0006	0.0024 ± 0.0000	4.3865 ± 0.0209	91.8	86.2	9.7	4.08 ± 0.06
BD4862	#	15.00 W	4.4745 ± 0.0282	0.0134 ± 0.0001	0.0612 ± 0.0006	0.0004 ± 0.0000	4.3588 ± 0.0305	38.1	97.4	7.0	4.05 ± 0.07
BD4866	#	15.00 W	5.1483 ± 0.0105	0.0142 ± 0.0002	0.0264 ± 0.0003	0.0026 ± 0.0001	4.3826 ± 0.0275	54.5	85.1	16.3	4.08 ± 0.07
BD4829	#	15.00 W	5.5634 ± 0.0427	0.0139 ± 0.0002	0.0118 ± 0.0003	0.0042 ± 0.0001	4.3197 ± 0.0411	36.0	77.6	36.4	4.02 ± 0.09
BD4830	#	15.00 W	4.7798 ± 0.0338	0.0146 ± 0.0002	0.0358 ± 0.0008	0.0012 ± 0.0001	4.4133 ± 0.0384	63.9	92.3	12.0	4.10 ± 0.08
BD4834	#	15.00 W	5.5584 ± 0.0333	0.0144 ± 0.0002	0.0331 ± 0.0007	0.0037 ± 0.0001	4.4631 ± 0.0399	37.2	80.3	13.0	4.15 ± 0.08
BD4835	#	15.00 W	4.7543 ± 0.0487	0.0141 ± 0.0002	0.0568 ± 0.0007	0.0012 ± 0.0000	4.4106 ± 0.0488	90.2	92.8	7.6	4.10 ± 0.10
BD4839	#	15.00 W	7.2414 ± 0.0633	0.0138 ± 0.0005	0.0267 ± 0.0009	0.0094 ± 0.0001	4.4696 ± 0.0599	58.6	61.7	16.1	4.16 ± 0.12
BD4840	#	15.00 W	5.3382 ± 0.0403	0.0146 ± 0.0002	0.0742 ± 0.0008	0.0030 ± 0.0001	4.4662 ± 0.0492	107.6	83.7	5.8	4.15 ± 0.10
BD4845	#	15.00 W	5.0696 ± 0.0259	0.0151 ± 0.0002	0.0850 ± 0.0012	0.0022 ± 0.0001	4.4125 ± 0.0317	47.6	87.0	5.1	4.10 ± 0.07
Weighted Mean from 12 of 12 Analy			MSWD	1.19						Age:	4.09 ± 0.04

Inverse Isochron from 12 of 12 Analyses:	MSWD	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	302.1 ± 13.1	Age:	4.08 ± 0.05
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89002

Single crystal fusion			sanidine			$J = 0.0005156 \pm 0.18 \% (1\sigma)d$			$\mu = 1.0069 \pm 0.05 \% (1\sigma)^e$		
BD5594	#	30.00 W	11.2319 ± 0.0196	0.0172 ± 0.0001	0.0156 ± 0.0004	0.0255 ± 0.0002	3.7001 ± 0.0545	77.3	32.9	27.5	3.44 ± 0.10
BD5595	#	30.00 W	5.8329 ± 0.0077	0.0137 ± 0.0001	0.0277 ± 0.0006	0.0071 ± 0.0001	3.7232 ± 0.0231	67.2	63.8	15.5	3.46 ± 0.04
BD5598	#	30.00 W	4.0191 ± 0.0088	0.0123 ± 0.0001	0.0253 ± 0.0006	0.0010 ± 0.0000	3.7108 ± 0.0115	62.3	92.3	17.0	3.45 ± 0.02
BD5599	#	30.00 W	4.6129 ± 0.0122	0.0127 ± 0.0001	0.0303 ± 0.0007	0.0029 ± 0.0001	3.7540 ± 0.0186	26.8	81.4	14.2	3.49 ± 0.03
BD5600	#	30.00 W	4.5122 ± 0.0174	0.0127 ± 0.0003	0.0221 ± 0.0009	0.0027 ± 0.0002	3.7185 ± 0.0591	12.7	82.4	19.5	3.46 ± 0.11
BD5604	#	30.00 W	5.4466 ± 0.0077	0.0132 ± 0.0002	0.0231 ± 0.0007	0.0059 ± 0.0001	3.6974 ± 0.0276	23.9	67.9	18.6	3.44 ± 0.05
BD5607	#	30.00 W	5.2708 ± 0.0049	0.0130 ± 0.0001	0.0119 ± 0.0005	0.0052 ± 0.0001	3.7395 ± 0.0259	26.9	70.9	36.3	3.48 ± 0.05
BD5608	#	30.00 W	4.3442 ± 0.0140	0.0126 ± 0.0001	0.3178 ± 0.0055	0.0021 ± 0.0001	3.7627 ± 0.0225	31.2	86.6	1.4	3.50 ± 0.04
Weighted Mean from 8 of 8 Analyse:			MSWD	1.18						Age:	3.46 ± 0.02
Inverse Isochron from 8 of 8 Analyses:			MSWD	1.37	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	295.0 ± 4.7				Age:	3.46 ± 0.03

ALI189

Single crystal fusion			sanidine			$J = 0.0005156 \pm 0.18 \% (1\sigma)d$			$\mu = 1.0043 \pm 0.03 \% (1\sigma)^e$		
BD5921	#	30.00 W	7.0506 ± 0.0068	0.0132 ± 0.0001	0.0073 ± 0.0003	0.0048 ± 0.0001	2.0081 ± 0.0305	76.8	80.0	59.0	5.24 ± 0.03
BD5922	#	30.00 W	5.9168 ± 0.0068	0.0127 ± 0.0001	0.0092 ± 0.0004	0.0010 ± 0.0000	2.0163 ± 0.0241	96.1	94.9	47.0	5.21 ± 0.02
BD5923	#	30.00 W	5.7330 ± 0.0050	0.0127 ± 0.0000	0.0066 ± 0.0006	0.0004 ± 0.0001	2.0016 ± 0.0262	47.3	97.8	64.7	5.21 ± 0.03
BD5925	#	30.00 W	6.2751 ± 0.0053	0.0128 ± 0.0000	0.0056 ± 0.0002	0.0021 ± 0.0000	2.0080 ± 0.0394	121.5	90.0	77.2	5.25 ± 0.02
BD5926	#	30.00 W	6.2125 ± 0.0057	0.0128 ± 0.0001	0.0036 ± 0.0002	0.0020 ± 0.0000	1.9739 ± 0.0195	111.9	90.3	120.5	5.21 ± 0.02
BD5927	#	30.00 W	6.6780 ± 0.0088	0.0131 ± 0.0000	0.0039 ± 0.0005	0.0036 ± 0.0001	2.0350 ± 0.0261	51.6	84.0	110.9	5.21 ± 0.04
BD5929	#	30.00 W	5.8382 ± 0.0067	0.0126 ± 0.0001	0.0054 ± 0.0006	0.0007 ± 0.0001	1.9675 ± 0.0356	39.4	96.7	79.4	5.24 ± 0.05
BD5930	#	30.00 W	5.7564 ± 0.0083	0.0124 ± 0.0001	0.0045 ± 0.0005	0.0004 ± 0.0001	2.0352 ± 0.0588	42.4	98.0	96.5	5.24 ± 0.04
BD5931	#	30.00 W	5.7686 ± 0.0057	0.0127 ± 0.0001	0.0047 ± 0.0005	0.0004 ± 0.0000	2.0117 ± 0.0386	55.3	97.9	91.4	5.25 ± 0.03
Weighted Mean from 9 of 9 Analyse:			MSWD	1.56						Age:	5.23 ± 0.02
Inverse Isochron from 9 of 9 Analyses:			MSWD	1.77	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$	296.1 ± 10.5				Age:	5.22 ± 0.08

89022

Single crystal fusion			biotite			$J = 0.0005156 \pm 0.18 \% (1\sigma)d$			$\mu = 1.00737 \pm 0.05 \% (1\sigma)^e$		
BD4878	#	15.00 W	5.1600 ± 0.0401	0.0155 ± 0.0004	0.0287 ± 0.0011	0.0102 ± 0.0002	2.1525 ± 0.0792	7.7	41.7	15.0	2.00 ± 0.15

BD4881	#	15.00 W	6.3731 ± 0.0539	0.0168 ± 0.0004	0.0340 ± 0.0010	0.0143 ± 0.0004	2.1553 ± 0.1158	9.5	33.8	12.6	2.00 ± 0.22
BD4882	#	15.00 W	7.9477 ± 0.0685	0.0171 ± 0.0004	0.1799 ± 0.0030	0.0195 ± 0.0002	2.2078 ± 0.0827	15.5	27.8	2.4	2.05 ± 0.15
BD4883	#	15.00 W	8.0735 ± 0.0906	0.0172 ± 0.0002	0.0813 ± 0.0016	0.0200 ± 0.0002	2.1684 ± 0.0911	12.0	26.9	5.3	2.02 ± 0.17
BD4886	#	15.00 W	6.3971 ± 0.0814	0.0180 ± 0.0006	0.1341 ± 0.0023	0.0136 ± 0.0003	2.3933 ± 0.1124	6.4	37.4	3.2	2.22 ± 0.21
BD4887	#	15.00 W	6.6996 ± 0.0508	0.0162 ± 0.0003	0.0473 ± 0.0013	0.0154 ± 0.0003	2.1592 ± 0.0851	11.9	32.2	9.1	2.01 ± 0.16
BD4888	#	15.00 W	6.1833 ± 0.1016	0.0160 ± 0.0005	0.0196 ± 0.0011	0.0132 ± 0.0003	2.2938 ± 0.1248	6.5	37.1	21.9	2.13 ± 0.23
BD4891	#	15.00 W	4.8794 ± 0.0383	0.0147 ± 0.0003	0.0205 ± 0.0009	0.0091 ± 0.0003	2.1915 ± 0.0964	8.7	44.9	21.0	2.04 ± 0.18
BD4892	#	15.00 W	6.0437 ± 0.0521	0.0168 ± 0.0003	0.0124 ± 0.0005	0.0129 ± 0.0003	2.2439 ± 0.0854	9.0	37.1	34.8	2.09 ± 0.16
BD4893	#	15.00 W	6.9359 ± 0.1014	0.0167 ± 0.0004	0.0923 ± 0.0015	0.0161 ± 0.0003	2.1854 ± 0.1118	12.1	31.5	4.7	2.03 ± 0.21
BD4896	#	15.00 W	6.4682 ± 0.0346	0.0162 ± 0.0003	0.0535 ± 0.0008	0.0145 ± 0.0002	2.1784 ± 0.0593	14.5	33.7	8.0	2.03 ± 0.11
BD4897	#	15.00 W	7.3422 ± 0.0988	0.0162 ± 0.0005	0.0383 ± 0.0009	0.0174 ± 0.0003	2.1942 ± 0.0910	10.3	29.9	11.2	2.04 ± 0.17
BD4898	#	15.00 W	7.0780 ± 0.0984	0.0158 ± 0.0004	0.0449 ± 0.0014	0.0160 ± 0.0003	2.3599 ± 0.1140	8.2	33.3	9.6	2.19 ± 0.21
BD4899	#	15.00 W	6.6865 ± 0.0893	0.0172 ± 0.0003	0.0767 ± 0.0017	0.0153 ± 0.0002	2.1559 ± 0.0822	13.0	32.2	5.6	2.00 ± 0.15
Weighted Mean from 14 of 14 Analy				MSWD	0.54					Age:	2.05 ± 0.05
Inverse Isochron from 14 of 14 Analys				MSWD	0.60	⁴⁰ Ar / ³⁶ Ar ± 2σ	295.9 ± 16.2			Age:	2.04 ± 0.22

BOL-07-001

Single crystal fusions		Biotite										$J = 0.0007863 \pm 0.27\% (1\sigma)^d$	$\mu = 1.0007 \pm 0.02\% (1\sigma)^e$
BE9136	#	25.0 %	16.3205 ± #####	0.0220 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	7.9	29.3	6.8	6.77142 ± 0.27
BE9137	#	25.0 %	18.6203 ± #####	0.0232 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	6.4	25.1	6.9	6.62999 ± 0.23
BE9139	#	25.0 %	11.1170 ± #####	0.0190 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	4.3	42.3	13.5	6.65267 ± 0.14
BE9140	#	25.0 %	16.9500 ± #####	0.0238 ± 0.0008	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	1.0	28.6	26.1	6.86129 ± 0.88
BE9142	#	25.0 %	28.6504 ± #####	0.0297 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	7.2	16.7	5.0	6.79113 ± 0.30
BE9143	#	25.0 %	18.3528 ± #####	0.0229 ± 0.0003	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	2.8	24.8	12.1	6.44704 ± 0.24
BE9145	#	25.0 %	14.2509 ± #####	0.0203 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	4.2	33.0	4.4	6.65773 ± 0.31
BE9146	#	25.0 %	12.8123 ± #####	0.0199 ± 0.0003	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	4.8	37.4	9.8	6.79295 ± 0.19
BE9148	#	25.0 %	28.0509 ± #####	0.0298 ± 0.0004	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	2.5	15.9	22.0	6.31814 ± 0.71
BE9149	#	25.0 %	32.6356 ± #####	0.0308 ± 0.0004	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	2.7	15.0	0.9	6.93927 ± 0.50
BE9151	#	25.0 %	16.7889 ± #####	0.0225 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	6.3	27.7	7.0	6.57671 ± 0.20
BE9152	#	25.0 %	15.0403 ± #####	0.0210 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	4.3	31.5	27.2	6.70205 ± 0.18
Weighted Mean from 12 of 12 Analyses:				MSWD	0.90							Age:	6.67 ± 0.07
Inverse Isochron from 12 of 12 Analyses:				MSWD	1.01	⁴⁰ Ar / ³⁶ Ar ± 2σ	295.7 ± 2.9432					Age:	6.66 ± 0.17

BOL-07-002

Single crystal fusions		Biotite										$J = 0.0007828 \pm 0.16\% (1\sigma)^d$	$\mu = 1.0007 \pm 0.02\% (1\sigma)^e$
BE9154	#	25.0 %	##### ± #####	0.0171 ± 0.0003	##### ± #####	##### ± #####	##### ± #####	4.7724 ± #####	##### ± #####	2.9	51.4	3.6	6.72724 ± 0.43
BE9155	#	25.0 %	##### ± #####	0.0149 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	4.7776 ± #####	##### ± #####	15.8	84.6	9.8	6.73445 ± 0.06
BE9157	#	25.0 %	##### ± #####	0.0144 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	4.7846 ± #####	##### ± #####	14.7	88.9	14.3	6.74437 ± 0.06
BE9158	#	25.0 %	##### ± #####	0.0150 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	4.8209 ± #####	##### ± #####	10.2	82.6	6.1	6.79536 ± 0.09

BE9160	#	25.0 %	##### ± #####	0.0148 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	4.7870 ± #####	####	11.5	84.8	15.3	6.74766 ± 0.09
BE9161	#	25.0 %	##### ± #####	0.0144 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	4.7739 ± #####	####	15.2	89.1	6.5	6.72932 ± 0.06
BE9163	#	25.0 %	##### ± #####	0.0146 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	4.7966 ± #####	####	22.9	79.6	17.1	6.7612 ± 0.05
BE9164	#	25.0 %	##### ± #####	0.0147 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	4.7687 ± #####	####	18.6	87.0	32.7	6.72203 ± 0.07
BE9166	#	25.0 %	##### ± #####	0.0151 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	4.7839 ± #####	####	20.2	79.0	8.2	6.74335 ± 0.07
BE9167	#	25.0 %	##### ± #####	0.0149 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	4.7809 ± #####	####	9.7	86.5	7.7	6.73912 ± 0.09
Weighted Mean from 10 of 10 Analyses:				MSWD	0.29					Age: 6.75 ± 0.02			
Inverse Isochron from 10 of 10 Analyses:				MSWD	0.29	⁴⁰ Ar / ³⁶ Ar ± 2σ	301.0 ± 13.7		Age: 6.72 ± 0.07				

BOL-07-003

Single crystal fusions													
Biotite													
BE9169	#	25.0 %	##### ± #####	0.0149 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	17.6	68.69	12.647	6.7511 ± 0.06
BE9170	#	25.0 %	##### ± #####	0.0145 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	18.2	85.93	8.629	6.78196 ± 0.06
BE9172	#	25.0 %	##### ± #####	0.0149 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	10.8	85.40	15.867	6.77794 ± 0.07
BE9173	#	25.0 %	##### ± #####	0.0165 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	7.8	52.44	11.239	6.719 ± 0.13
BE9175	#	25.0 %	##### ± #####	0.0161 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	9.7	61.58	17.464	6.68635 ± 0.10
BE9176	#	25.0 %	##### ± #####	0.0144 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	24.7	81.14	8.666	6.76533 ± 0.05
BE9178	#	25.0 %	##### ± #####	0.0155 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	12.2	61.13	7.517	6.73371 ± 0.07
BE9179	#	25.0 %	##### ± #####	0.0148 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	28.6	77.47	5.823	6.74686 ± 0.04
BE9181	#	25.0 %	##### ± #####	0.0143 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	13.0	77.82	12.351	6.71149 ± 0.06
BE9182	#	25.0 %	##### ± #####	0.0153 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	6.9	76.40	17.440	6.75468 ± 0.10
BE9184	#	25.0 %	##### ± #####	0.0155 ± 0.0003	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	5.8	70.40	20.576	6.83241 ± 0.15
BE9185	#	25.0 %	##### ± #####	0.0142 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	11.2	87.88	9.292	6.7933 ± 0.06
Weighted Mean from 12 of 12 Analyses:				MSWD	0.75					Age: 6.75 ± 0.02			
Inverse Isochron from 12 of 12 Analyses:				MSWD	0.71	⁴⁰ Ar / ³⁶ Ar ± 2σ	291.3 ± 4.6		Age: 6.78 ± 0.04				

BOL-07-004

Single crystal fusions													
Biotite													
BE9118	#	25.0 %	##### ± #####	0.0151 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	8.0	82.23	9.473	6.77165 ± 0.09
BE9119	#	25.0 %	##### ± #####	0.0147 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	6.6	74.28	12.387	6.80305 ± 0.10
BE9121	#	25.0 %	##### ± #####	0.0144 ± 0.0003	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	6.0	88.65	25.489	6.86021 ± 0.11
BE9122	#	25.0 %	##### ± #####	0.0150 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	5.7	82.95	9.044	6.7229 ± 0.11
BE9124	#	25.0 %	##### ± #####	0.0160 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	2.9	67.82	19.658	6.86164 ± 0.22
BE9125	#	25.0 %	##### ± #####	0.0145 ± 0.0003	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	6.9	90.98	16.360	6.81939 ± 0.09
BE9127	#	25.0 %	##### ± #####	0.0150 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	8.4	80.76	18.311	6.76288 ± 0.10
BE9128	#	25.0 %	##### ± #####	0.0145 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	3.5	85.92	10.484	6.78963 ± 0.17
BE9130	#	25.0 %	##### ± #####	0.0156 ± 0.0003	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	5.8	68.78	19.506	6.76691 ± 0.11
BE9131	#	25.0 %	##### ± #####	0.0145 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	6.4	86.00	6.350	6.7066 ± 0.12
BE9133	#	25.0 %	##### ± #####	0.0183 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	####	16.0	39.93	6.343	6.70377 ± 0.12
Weighted Mean from 12 of 12 Analyses:				MSWD	0.75					Age: 6.75 ± 0.02			
Inverse Isochron from 12 of 12 Analyses:				MSWD	0.71	⁴⁰ Ar / ³⁶ Ar ± 2σ	291.3 ± 4.6		Age: 6.78 ± 0.04				

BE9134	#	25.0 %	##### ± #####	0.0156 ± 0.0003	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	6.1	64.33	19.678	6.80971 ± 0.11
Weighted Mean from 12 of 12 Analyses:				MSWD	0.73								Age:	6.78 ± 0.03
Inverse Isochron from 12 of 12 Analyses:				MSWD	0.77	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$		293.3 ± 3.9					Age:	6.80 ± 0.06

BOL-07-005

Single crystal fusions			Biotite												$J = 0.0007828 \pm 0.16 \% (1\sigma)^d$		$\mu = 1.0007 \pm 0.02 \% (1\sigma)^e$	
BE9187		25.0 %	##### ± #####	0.0151 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	43.9	76.24	11.850	6.84883 ± 0.04				
BE9188	#	25.0 %	##### ± #####	0.0160 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	4.7	70.27	9.510	6.86319 ± 0.29				
BE9190	#	25.0 %	##### ± #####	0.0158 ± 0.0000	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	37.0	67.81	5.546	7.00229 ± 0.05				
BE9191	#	25.0 %	##### ± #####	0.0151 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	23.7	79.73	6.521	6.98974 ± 0.07				
BE9193	#	25.0 %	##### ± #####	0.0148 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	19.4	80.10	6.227	6.94559 ± 0.07				
BE9194	#	25.0 %	##### ± #####	0.0157 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	12.6	75.40	15.218	7.09844 ± 0.11				
BE9196	#	25.0 %	##### ± #####	0.0146 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	9.4	80.49	9.683	7.02319 ± 0.15				
BE9197	#	25.0 %	##### ± #####	0.0151 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	18.3	74.53	11.721	6.90747 ± 0.10				
BE9199	#	25.0 %	##### ± #####	0.0150 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	10.7	80.80	6.977	6.88778 ± 0.12				
BE9200	#	25.0 %	##### ± #####	0.0154 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	12.6	73.64	6.672	6.90999 ± 0.11				
BE9202		25.0 %	##### ± #####	0.0173 ± 0.0003	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	4.1	52.54	16.583	6.43869 ± 0.33				
BE9203	#	25.0 %	##### ± #####	0.0150 ± 0.0001	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	16.7	76.62	13.903	7.00161 ± 0.10				
Weighted Mean from 10 of 12 Analyses:			MSWD	1.50									Age:	6.98 ± 0.04				
Inverse Isochron from 10 of 12 Analyses:			MSWD	1.7	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$		302.0 ± 14.3						Age:	6.97 ± 0.25				

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Single crystal fusions			Sanidine												$J = 0.000786 \pm 0.3 \% (1\sigma)^d$		$\mu = 1.0007 \pm 0.02 \% (1\sigma)^e$	
BE9023	#	35.0 %	##### ± #####	0.0277 ± 0.0003	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	3.8	10.34	4.120	3.93611 ± 0.44				
BE9026	#	35.0 %	##### ± #####	0.0128 ± 0.0002	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	3.5	75.12	1.757	3.65976 ± 0.14				
BE9028	#	35.0 %	##### ± #####	0.0139 ± 0.0004	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	2.3	56.45	1.365	3.5391 ± 0.23				
BE9032	#	35.0 %	##### ± #####	0.0132 ± 0.0005	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	1.8	61.63	0.708	3.92682 ± 0.27				
BE9034	#	35.0 %	##### ± #####	0.0137 ± 0.0003	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	1.8	53.21	0.563	3.66066 ± 0.34				
BE9035	#	35.0 %	##### ± #####	0.0133 ± 0.0004	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	1.4	80.77	0.817	3.58733 ± 0.27				
BE9038	#	35.0 %	##### ± #####	0.0421 ± 0.0006	##### ± #####	##### ± #####	##### ± #####	##### ± #####	##### ± #####	#####	1.9	5.04	1.055	3.45343 ± 0.61				
Weighted Mean from 7 of 7 Analyses:			MSWD	1.20									Age:	3.67 ± 0.13				
Inverse Isochron from 7 of 7 Analyses:			MSWD	1.5	$^{40}\text{Ar} / ^{36}\text{Ar} \pm 2\sigma$		295.7 ± 2.9						Age:	3.67 ± 0.10				

a $^{38}\text{Ar} / ^{39}\text{Ar}$ ratio is not corrected for background

b F is the ratio of radiogenic ^{40}Ar to K derived

c All ages calculated using the decay constants of Steiger and Jäger ($\lambda_{40\text{K}} = 5.543$

and corrected for ^{37}Ar and ^{39}Ar decay, half lives of 35.2 days and 269 years, re

d J-value calculated relative to 28.34 Ma for the Taylor Creek rh

e μ : mass discrimination per atomic mass un

indicates increments that have been included in weighted mean and isochron c

Major and trace element analysis of select pumice and lavas from study area.

* All iron calculated as FeO. Trace element data analyzed by XRF and ICP-MS at GeoAnalytical Laboratories, Washington State University, Pullman, Wa (see Johnson et al., 1999 for details). Duplicate analyses are shown as ICP-MS data.

Correlated Unit Sample no.	Ignimbrite pumice															Effusive Lavas					
	Pur. Chico B06-073	Tatio B06-067	Tatio B06-069	Lag.Col. B06-061	Lag.Col. B06-028	Pas.Gran. B06-037	Tara B06-013	Tara B06-027	Alota B06-063	Chuhuilla B06-050	Chuhuilla B06-054	Guacha B06-007	Guacha B06-012	Guacha B06-030	Guacha B06-085	Guacha B06-093	Vilama B06-033	Vilama B06-039	Vilama B06-041	Río Guacha B06-023	Chajnantor B06-024
XRF analyses normalized to 100% volatile free																					
SiO ₂	67.3	64.6	65.8	63.9	63.6	68.8	72.6	66.6	74.9	67.6	69.1	71.3	69	68.4	67	68.4	65.8	65.2	66.3	65.7	77.1
TiO ₂	0.63	0.74	0.71	0.84	0.87	0.5	0.37	0.76	0.06	0.54	0.51	0.32	0.4	0.45	0.57	0.51	0.87	0.73	0.89	0.86	0.08
Al ₂ O ₃	15.5	16.2	15.6	16.9	17.7	14.8	14.5	15.9	14.7	14.9	15.1	15	15.5	16.1	16	15.9	16.5	15.9	16.1	16.5	12.8
FeO*	3.8	4.7	4.5	5.1	4.9	3	2.1	3.8	1	3.5	2.8	2.1	2.4	2.9	3.7	3.3	4.4	4.4	3.9	4.4	0.7
MnO	0.07	0.08	0.08	0.08	0.09	0.06	0.05	0.07	0.13	0.07	0.06	0.08	0.06	0.05	0.06	0.06	0.06	0.07	0.06	0.06	0.07
MgO	1.67	2.44	2.32	2.5	2.85	1.38	0.56	1.26	0.11	1.8	1.72	0.81	1.33	1.4	1.71	1.42	1.74	2.39	1.75	1.66	0.07
CaO	3.89	4.89	4.42	4.56	5.09	3.92	2.31	4.25	0.61	3.47	3.3	3.01	3.28	3.58	4.05	3.59	4.13	4.57	4.12	4.54	0.7
Na ₂ O	3.09	3.06	2.88	2.73	1.76	2.91	3.09	3.52	3.16	3.78	3.01	2.76	3.14	3.13	2.64	2.76	2.37	2.77	2.37	3.37	3.36
K ₂ O	3.9	3.2	3.59	3.23	2.95	4.12	4.36	3.69	5.18	4.17	4.19	4.5	4.8	3.84	4.01	3.93	3.95	3.79	4.32	2.76	5.08
P ₂ O ₅	0.14	0.17	0.15	0.18	0.22	0.52	0.08	0.18	0.17	0.14	0.13	0.09	0.11	0.12	0.13	0.13	0.21	0.16	0.26	0.2	0.01
Trace elements (ppm)**																					
XRF	33	35	36	38	50	45	66	46	11	30	26	36	35	39	45	43	39	34	52	43	21
Ni	65	68	71	77	94	73	125	91	25	58	53	71	68	75	87	81	78	66	108	87	48
Cr	90.7	121.5	113.1	108.3	116.3	69.8	31.8	73.5	4.2	81.7	67.3	43.8	49.8	63.3	79.6	68.5	94.7	106.2	111.2	102.5	1.8
V	18.7	18.1	18.4	20.2	21	17	16.9	18.8	24.9	17.9	18	16.7	18.5	18.9	19.4	17.5	21.8	19.1	20.2	20	16.9
Ga	20.3	8.1	12.4	6.3	12.3	16.2	12.9	5.3	3.2	7.1	15.6	4.9	9.3	5.2	5.1	7.8	5.4	11.5	5.4	4.5	0.7
Cu	66.9	84.9	77.5	93.6	93.8	61.9	58.2	79.3	49.4	62	60.4	51.2	51	64.6	66.4	65.1	100.7	73.4	106.1	102.7	29
Zn																					
ICP-MS																					
La	32.8	34.7	36.2	38.1	50	45.4	66.5	45.7	11.1	30.2	26.5	35.6	35.4	39.3	45.1	42.8	39.1	33.9	52.1	43	21
Ce	64.9	68.1	71.3	76.8	94.3	72.8	124.9	90.7	25.1	58.4	52.6	70.7	67.8	75.4	86.8	81	77.7	66	107.7	87	47.9
Pr	7.5	7.8	8.2	9.1	12.3	8	13.4	10.6	3.2	6.7	6.2	7.9	7.7	8.5	9.7	9.1	9.4	7.7	13	10.4	6.2
Nd	27.7	28.4	29.9	34.1	46.4	27.4	44.6	39.2	11.8	23.8	22.5	27.5	26.7	29.6	33.8	31.5	35.3	28.3	48.9	39	23.8
Sm	5.6	5.5	5.8	6.9	9.5	4.8	7	7.6	4.1	4.6	4.5	5.2	5.2	5.5	6.1	5.7	7.3	5.7	9.3	7.8	6.9
Eu	1.1	1.1	1.1	1.3	1.7	0.9	1.3	1.6	0.2	1	1	0.9	1	1.1	1.2	1.1	1.6	1.2	1.6	1.6	0.4
Gd	4.6	4.4	4.8	5.7	8	3.7	5.2	6.4	4.3	3.7	3.6	4	3.9	4.2	4.6	4.1	5.9	4.8	6.7	6.6	7.6
Tb	0.7	0.7	0.7	0.9	1.2	0.5	0.8	1	0.9	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.8	0.7	0.9	1	1.4
Dy	3.9	3.8	4	4.9	6.8	3.1	4.3	5.6	6	3.1	3.1	3.3	3.3	3.4	3.8	3.4	4.2	4.4	5.9	8.3	
Ho	0.7	0.7	0.8	0.9	1.2	0.6	0.8	1.1	1.1	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.8	0.7	1.1	1.6
Er	1.9	1.8	2	2.4	3.1	1.6	2.2	2.8	3	1.6	1.6	1.7	1.7	1.7	1.9	1.7	1.7	2	1.7	2.9	4.3
Tm	0.3	0.3	0.3	0.3	0.4	0.2	0.3	0.4	0.5	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.4	0.4	0.6
Yb	1.7	1.6	1.8	2	2.4	1.5	2	2.5	2.9	1.5	1.6	1.7	1.6	1.5	1.7	1.5	1.4	1.8	1.3	2.5	4
Lu	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.4	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.4	0.4	0.6
Ba	481	572	582	564	431	327	806	760	58	537	552	435	533	551	539	519	673	602	809		

Zr	138	154	161	162	205	136	172	269	46	128	129	115	126	145	153	147	188	150	207	288	67
Lat °S	22.6262	22.3007	22.3013	22.2234	22.3579	21.7510	22.4479	22.5012	21.4573	21.2490	21.2347	22.1630	22.2470	22.3813	22.3545	22.3819	22.3916	21.7250	21.7173	22.6107	22.6213
Long °W	67.6788	67.7613	67.7631	67.4255	67.3971	67.4837	67.2805	67.4764	67.6457	68.1288	67.8275	67.3104	67.3062	67.1490	67.3928	67.1241	66.9955	67.3865	67.3521	67.4387	67.4668