Data Repository Item C – $^{40}Ar/^{39}Ar$ analytical results from Colorado Creek volcanic rocks

062411JT03 BI#L1

Weighted average of J from standards = 8.990e-05 +/- 4.481e-07

Laser Power (mW)	Cumulative ^{39}Ar	$^{40}Ar/^{39}Ar$ meas.	+/-	$^{37}Ar/^{39}Ar$ meas.	+/-	$^{36}Ar/^{39}Ar$ meas.	+/-	% Atm. ^{40}Ar	+/-	Ca/K	+/-	Cl/K	+/-	$^{40}*/^{39}K$	+/-	Age (Ma)	+/- (Ma)
500	0.0139	479.73093	93.17582	0.84597	0.55399	0.88946	0.19745	54.77671	5.89288	1.55317	1.01772	0.01492	0.03666	217.06639	50.80235	34.83	8.07
1000	0.0508	503.51346	20.4908	3.83916	0.22008	0.46616	0.07105	27.29676	4.01915	7.06349	0.40602	0.00771	0.0089	367.04422	25.227	58.5	3.96
1500	0.0923	591.49384	33.10366	10.34551	0.60508	0.46156	0.04549	22.91588	1.871	19.1223	1.12664	0.00553	0.00954	459.28066	28.19604	72.91	4.39
2000	0.1335	535.31807	27.86503	0.20173	0.16151	0.13042	0.03243	7.19655	1.75086	0.37021	0.29643	0.02399	0.00708	496.83683	27.51805	78.75	4.27
3000	0.2255	492.83051	13.81541	0.09322	0.08333	0.08734	0.018	5.23563	1.06937	0.17107	0.15292	0.01077	0.00393	467.03032	14.11841	74.12	2.2
5000	0.4727	451.46091	3.89378	0.04543	0.02304	0.03527	0.00846	2.30793	0.55368	0.08336	0.04228	0.0098	0.00166	441.02666	4.55682	70.07	0.71
9000	1	439.88871	5.33466	-0.00744	0.01042	0.01807	0.00321	1.21403	0.21541	-0.01365	0.01913	0.00841	0.00081	434.51671	5.35615	69.05	0.84
Integrated		460.79183	3.89747	0.61063	0.01824	0.08053	0.00476	5.1538	0.30257	1.12091	0.03349	0.00956	0.00104	437.20392	3.95764	69.47	0.7

062411JT04 WR#L1

Weighted average of J from standards = 8.990e-05 +/- 4.481e-07

Laser Power (mW)	Cumulative ^{39}Ar	$^{40}Ar/^{39}Ar$ meas.	+/-	$^{37}Ar/^{39}Ar$ meas.	+/-	$^{36}Ar/^{39}Ar$ meas.	+/-	% Atm. ^{40}Ar	+/-	Ca/K	+/-	Cl/K	+/-	$^{40}*/^{39}K$	+/-	Age (Ma)	+/- (Ma)
500	0.0044	1450.89796	259.8064	1.89377	0.62261	4.63442	0.85065	94.37892	3.81187	3.47946	1.14546	-0.00347	0.03769	81.66371	57.28834	13.18	9.21
1000	0.017	1027.94071	85.65526	2.78752	0.29288	2.59623	0.22525	74.61306	1.81565	5.1248	0.53952	0.01351	0.01572	261.46987	28.77468	41.87	4.55
1500	0.0409	622.01938	31.84383	4.25083	0.2504	0.90611	0.05549	42.99188	1.45127	7.82317	0.46221	-0.0031	0.00661	355.65235	20.40255	56.72	3.2
2000	0.0687	597.44525	14.8097	5.67667	0.17138	0.64056	0.02212	31.60585	0.76801	10.45784	0.31699	0.00379	0.00583	410.24203	11.23517	65.27	1.76
3000	0.2051	490.95889	3.18661	2.34209	0.04039	0.20279	0.00665	12.16693	0.39376	4.30452	0.07435	-0.00039	0.00142	431.91259	3.43965	68.65	0.54
5000	0.7615	439.29995	2.97664	0.20592	0.00778	0.02854	0.00261	1.9159	0.17522	0.37789	0.01427	0.00147	0.00049	430.91693	3.02454	68.49	0.47
9000	1	439.28453	4.32021	0.3654	0.01386	0.06076	0.00302	4.08042	0.1992	0.67064	0.02545	0.00693	0.001	421.44015	4.24326	67.01	0.66
Integrated		467.01351	2.29041	0.82545	0.00986	0.15075	0.00244	9.52448	0.14762	1.51547	0.01811	0.0026	0.00053	422.75251	2.19703	67.22	0.48

062411JT05 BI#L1

Weighted average of J from standards = 8.990e-05 +/- 4.481e-07

Laser Power (mW)	Cumulative ^{39}Ar	$^{40}Ar/^{39}Ar$ meas.	+/-	$^{37}Ar/^{39}Ar$ meas.	+/-	$^{36}Ar/^{39}Ar$ meas.	+/-	% Atm. ^{40}Ar	+/-	Ca/K	+/-	Cl/K	+/-	$^{40}*/^{39}K$	+/-	Age (Ma)	+/- (Ma)
500	0.006	578.57493	71.23517	-0.1893	0.37614	0.98966	0.20838	50.55089	8.6382	-0.34728	0.68999	0.01489	0.03198	286.04723	61.15317	45.76	9.66
1000	0.0191	584.20585	52.04798	-0.25427	0.14635	0.37588	0.07276	19.01709	3.26772	-0.46646	0.26844	0.00158	0.01535	472.9979	46.26094	75.04	7.19
1500	0.0348	571.26276	38.28957	0.06604	0.12142	0.52291	0.05098	27.04919	1.91785	0.12117	0.22281	0.01002	0.01145	416.73856	30.0226	66.28	4.69
2000	0.056	588.02223	22.24777	-0.07165	0.11156	0.42029	0.04594	21.12296	2.16694	-0.13145	0.20468	-0.00058	0.00724	463.76763	21.69561	73.61	3.37
3000	0.111	497.67044	10.66083	-0.05442	0.03428	0.12589	0.01306	7.47625	0.75904	-0.09985	0.0629	0.00378	0.00268	460.41818	10.56748	73.09	1.64
5000	0.2771	468.01241	4.60586	0.03743	0.01508	0.0307	0.00358	1.93809	0.22545	0.06867	0.02767	0.00509	0.00109	458.92493	4.64181	72.86	0.72
9000	1	447.78406	5.44531	0.12078	0.02813	0.02286	0.00714	1.50644	0.47095	0.22163	0.05163	0.0097	0.00183	441.04684	5.76675	70.07	0.9
Integrated		461.3747	4.24945	0.0856	0.021	0.05657	0.00554	3.62186	0.35311	0.15706	0.03853	0.00832	0.00139	444.66262	4.41299	70.64	0.77

062411JT06 WR#L1

Weighted average of J from standards = 8.990e-05 +/- 4.481e-07

Laser Power (mW)	Cumulative ^{39}Ar	$^{40}Ar/^{39}Ar$ meas.	+/-	$^{37}Ar/^{39}Ar$ meas.	+/-	$^{36}Ar/^{39}Ar$ meas.	+/-	% Atm. ^{40}Ar	+/-	Ca/K	+/-	Cl/K	+/-	$^{40}*/^{39}K$	+/-	Age (Ma)	+/- (Ma)
500	0.0063	1284.86076	199.1173	3.8777	0.77541	3.99804	0.64356	91.92653	4.0227	7.13458	1.43059	-0.01929	0.03081	104.01526	54.31242	16.77	8.72
1000	0.0127	1580.11836	1001.28	13.51018	9.50183	4.75454	3.08486	88.84641	12.40037	25.02811	17.77206	-0.27698	0.3222	177.9344	228.26138	28.6	36.4
1500	0.0433	595.26999	15.76769	3.42115	0.1626	1.02375	0.04426	50.77545	1.74	6.29254	0.29979	0.03618	0.00551	293.71405	13.00262	46.97	2.05
2000	0.1023	532.2953	10.99212	4.88988	0.1518	0.37464	0.01329	20.72319	0.60289	9.00336	0.28046	0.00402	0.00272	423.42546	9.36778	67.32	1.46
3000	0.2052	511.72014	9.9636	6.74448	0.14507	0.23264	0.01124	13.32643	0.59568	12.43442	0.26874	-0.00134	0.00162	445.62301	9.25671	70.79	1.44
5000	0.6516	439.7389	2.78714	1.27435	0.01778	0.03268	0.00265	2.17256	0.17775	2.34037	0.03267	0.00615	0.00065	430.54375	2.84674	68.44	0.44
9000	1	437.46703	3.08962	0.75658	0.01788	0.04646	0.00269	3.12402	0.18073	1.38897	0.03285	0.01442	0.00067	423.99828	3.10535	67.41	0.48
Integrated		469.30074	2.88023	2.0334	0.03248	0.16416	0.00503	10.30135	0.31084	3.73638	0.05977	0.00709	0.0018	421.53516	2.98213	67.03	0.57