

Section 1: Methodology

Methods for zircon and apatite U-Pb geochronology

For U-Pb analyses, approximately 1-3 kg of samples were crushed, and zircon and apatite were separated using conventional density separation techniques, including gemini table, heavy liquid (methylene iodide and bromoform), vibratory “wiggle-bug” separation, and magnetic separation at the University of Texas at Austin and the University of Idaho. For detrital analyses, zircon grains were randomly poured onto epoxy pucks with double-sided sticky tape. All apatite and non-detrital zircon grains that could be petrographically identified were picked from separates and mounted. U-Pb analyses of grains were conducted using laser ablation-high-resolution-inductively coupled plasma-mass spectrometry (LA-HR-ICP-MS) equipped with a PhotonMachines® Analyte G.2 ArF excimer 193nm laser and a two-volume HeLex® 9 sample cell, coupled to a ThermoFisher® ElementII using a double-focusing magnetic sector ICP-MS. Zircon grains were ablated with a 30 μm laser spot size and apatite grains were ablated with a 40 μm spot size. Helium was used as the carrier gas and mixed with argon before entering the ICPMS. All analyses were conducted in static mode operated with an energy density of 1.43 J/cm², and a pulse rate of 10 Hz. Analyses consisted of 6 cleaning shots, 25 seconds of baseline data collection, 30 seconds of laser dwell time, and 35 seconds of washout. Ablation rates of ~0.5 μm /second mean that only the outer 15–17 μm of zircons are typically sampled by this technique.

We attempted to analyze ~100 detrital zircon grains to identify with 95% confidence the grain age populations constituting >3% of the zircon population (Andersen, 2005). For zircon, elemental and isotopic fractionation of Pb/U and Pb isotopes, respectively, was corrected by interspersed analysis of primary zircon standard GJ1 ($^{206}\text{Pb}/^{238}\text{U}$ age of 601.7 ± 1.3 Ma; Jackson et al., 2004) and secondary zircon standard Plešovice ($^{206}\text{Pb}/^{238}\text{U}$ age of 337.1 ± 0.4 Ma; Sláma et al., 2008) was used to monitor data quality. Standards were analyzed repeatedly before, after, and intermittently during all analyses of unknown specimens so that mass fractionation and instrumental mass bias corrections could later be applied. Repeated analyses performed during all analytical sessions yielded a concordia U-Pb age of 600.4 ± 2.6 Ma for GJ1 (n = 438) and 332.3 ± 9.2 Ma for Plešovice (n = 55). The zircon Pak1 (in house standard) was also used for several samples and yielded a mean $^{206}\text{Pb}/^{238}\text{U}$ age of 42.8 ± 0.6 Ma (n = 18) over the course of all analytical sessions. The common unknown to standard measurement ratio is generally 4:1. The signals for masses $^{204}(\text{Pb} + \text{Hg})$, ^{206}Pb , ^{207}Pb , ^{208}Pb , ^{232}Th , and ^{238}U were all acquired and ^{235}U was calculated from ^{235}U with the relationship $^{238}\text{U}/^{235}\text{U} = 137.88$. Uncertainty resulting from calibration correction is generally 1–2% for both $^{206}\text{Pb}/^{207}\text{Pb}$ and $^{206}\text{Pb}/^{238}\text{U}$. Standard correction is within 1–2% for $^{206}\text{Pb}/^{238}\text{Pb}$ and $^{206}\text{Pb}/^{207}\text{Pb}$ but increases for younger grains due to low ^{207}Pb intensity. We therefore adopted the $^{206}\text{Pb}/^{238}\text{Pb}$ age of grains younger than 850 Ma and the $^{206}\text{Pb}/^{207}\text{Pb}$ age of grains older than 850 Ma.

For split-stream analysis of apatite, the aerosol was split to deliver approximately even amounts to each ICP-MS from the ablation cell for U-Th-Pb isotope and trace element analysis. Apatite standards were also analyzed repeatedly before, after, and intermittently during all analyses of unknown specimens so that mass fractionation and instrumental mass bias corrections could later be applied. For apatite U-Pb geochronology, elemental and isotopic fractionation of Pb/U and Pb isotopes, respectively, was corrected by interspersed analysis of the Madagascar apatite (MAD-1; $^{206}\text{Pb}/^{238}\text{Pb}$ age of 486.6 ± 0.9 Ma; Thomson et al., 2012) and terrestrial fluorapatite from Bancroft, Canada (UWA-1; $^{206}\text{Pb}/^{238}\text{U}$ age of 1100 ± 96 Ma; Sano et al., 1999). Independent ID-TIMS dating of the UWA-1 standard at NIGL (NERC Isotope Geosciences Laboratories) yielded a mean age of 1009.9 ± 9.1 Ma (n = 14), which was used for data correction. Measured $^{206}\text{Pr}/^{204}\text{Pb}$ values were used to monitor and correct for ion counter gain. The $^{206}\text{Pb}/^{238}\text{Pb}$ age was determined following procedures outlined in Stacey and Kramers (1975) common lead evolution model.

Data reduction and age calculation was performed using Iolite (Igor Pro; Paton et al., 2011) and VizualAge (Petrus and Kamber, 2012), based on Isoplot V3 formulas (Ludwig, 2003), from baseline-subtracted intensities. Sequentially arranged raw count data were fit with a smoothed spline for background and reference standard characterization to enable time-resolved background subtraction and

depth-dependent elemental fractionation corrections. No correction was applied for common Pb due to interferences in measurement of ^{204}Pb ; however common Pb was evaluated graphically and high Pb zones usually rejected. We excluded zircon grains with >10% discordance and >10% uncertainty and only considered age peaks comprised of at least three grains. Following application of fractionation factor corrections, detrital zircon and apatite grains were checked for discordance using Isoplot 4.1 (Ludwig, 2008).

Methods for apatite trace element geochemistry

Simultaneous measurement of U-Th-Pb isotopic and trace element abundances was undertaken on the same ablation volume using Laser Ablation Split Stream (LASS) ICPMS analysis at the University of Texas at Austin. Trace element abundances were measured using a secondary ThermoFisher® Element II HR-ICPMS coupled to a Photon Machines® Analyte G.2 ArF 192 nm Excimer Laser. Simultaneous trace element analysis was completed by analyzing the NIST 612 glass standard as a primary reference material and the MAD and UWA-1 standards as secondary reference materials. The NIST 612 glass standard contains 61 trace elements in the range of 10 mg/kg to 80 mg/kg (NIST, 2012). The preferred values of element concentrations for the reference material are from the GeoReM database (Jochum et al., 2005). Trace element analyses included the masses ^{43}Ca , ^{44}Ca , ^{87}Sr , ^{89}Y , ^{137}Ba , ^{139}La , ^{140}Ce , ^{141}Pr , ^{146}Nd , ^{147}Sm , ^{153}Eu , ^{157}Gd , ^{159}Tb , ^{163}Dy , ^{165}Ho , ^{166}Er , ^{169}Tm , ^{172}Yb , ^{175}Lu , ^{232}Th , and ^{238}U , which were measured sequentially with a dwell time of ~0.02-0.03 s per analyte during each cycle. The LA-ICPMS data are in good agreement with the recommended standard values, and the analytical precision is within 5% for most of the measured elements. Ca content in apatite was used to correct matrix effects, signal differences, and differences in ablation yield between samples and reference materials. Chondrite-normalized TE abundances were calculated using the values from Taylor and McLennan (1985). Reduction of elemental data was performed off-line using trace element data reduction schemes in the Iolite software package (Paton et al., 2011).

Methods for zircon, apatite, and titanite (U-Th)/He thermochronology

Zircon, apatite, and titanite (U-Th)/He thermochronology was completed at the University of Texas at Austin and the University of Kansas. For detrital thermochronology, 4–7 zircon and apatite grains from each significant age population (consisting of >5 grains that were ~65–120 μm in width) were picked from epoxy mounts, following U-Pb geochronology, using a high-magnification polarizing microscope. Zircon, apatite, and titanite grains that were metamict or had obvious cracks or inclusions were avoided. Grains were then measured to apply the alpha ejection correction factor (Farley, 2000), and individually packed in Pt packets. Pt-wrapped grains were repeatedly laser heated using a 20W Nd:YAG laser for intervals of 10 min at ~1300°C until complete degassing of the aliquot was achieved (>99% ^3He extracted). Extracted gas was spiked using a ^3He tracer, cryogenically purified, and measured on a quadrupole noble gas mass spectrometer. Following complete degassing, zircon grains were removed from Pt packets whereas apatite grains were dissolved in Pt packets after being spiked with ^{230}Th , ^{235}U , ^{149}SM , and a REE tracer and digested in a pressure vessel with a HF-HNO₃ mixture for 72 hr at 255°C and 6 N HCl for 12 hr at 200°C. Parent nuclide concentrations were measured by isotope dilution on a Thermo Element2 HR-ICP-MS by comparing the spike to a gravimetric 1 ppb U-Th-Sm-REE normal solution. (U-Th)/He ages were calculated using standard FT corrections with estimated 8% analytical uncertainty (2σ) based on the Fish Canyon Tuff zircon (U-Th)/He standard.

Methods and supporting data for time-temperature path modeling

Zircon, apatite, and titanite (U-Th)/He ages and depositional ages from $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology were used to inverse model time-temperature (t-T) paths using HeTYy version 1.9.3 (Ketcham, 2005). Surface temperature was estimated at $20 \pm 10^\circ\text{C}$. Inverse modeling used the following parameters: Search Method: “Monte Carlo” (default); Subsegment spacing: “Random” (default); Ending condition: “Paths tried = 10000” (default); Result to display: “Paths”; Merit value for ‘good’ fit: “0.5” (default); Merit value

for ‘acceptable fit’ = “0.05” (default). Segments: “monotonic consistent” (default); Randomizer style: “Episodic” (default).

The following model parameters were used for the zircon (U-Th)/He model: Calibration: “Guenthner et al., 2013 (Zircon)”; Abraded: “0 μm ” (default); Model precision: “Good”; Stopping distances: “Ketcham et al. 2011”; Alpha calculation: “Ejection”; Age to report: “Corrected”; Alpha correction: “Ketcham et al. 2011”; Zoned? “No.”

For the apatite (U-Th)/He model, the following model parameters were used: Calibration: “Shuster et al., 2006 (Do/a2) (Apatite)”; Abraded: “0 μm ” (default); Model precision: “Good”; Stopping distances: “Ketcham et al. 2011”; Alpha calculation: “Static ejection”; Measured age (uncorrected); Age to report: “Corrected”; Alpha correction: “Ketcham et al. 2011”; Zoned? “No.”

For the titanite (U-Th)/He model, the following model parameters were used: Calibration: “Reiners and Farley, 1999 (Titanite)”; Abraded: “0 μm ” (default); Model precision: “Good”; Stopping distances: “Ketcham et al. 2011”; Alpha calculation: “Static ejection”; Measured age (uncorrected); Age to report: “Corrected”; Alpha correction: “Ketcham et al. 2011”; Zoned? “No.”

For the (U-Th)/He model of sample NV12-176CB, the weighted mean (U-Th)/He age of uncorrected ages was used along with the mean grain radius and the average U, Th, and Sm concentration of all grains used to calculate the weighted mean age of the sample.

Methods for $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology

The $^{40}\text{Ar}/^{39}\text{Ar}$ measurements were performed in the Radiogenic Isotopes Laboratory at Ohio State University using procedures discussed in Foland et al. (1993) except for the use of a newer noble gas mass analysis system. Samples were first prepared using standard crushing, sieving, magnetic, and heavy-liquid density separation techniques. Mineral aliquots (~1–15 mg) were irradiated in the L-67 position of the Ford Nuclear Reactor, Phoenix Memorial Laboratory, at the University of Michigan for 36 hours. Sample aliquots were then heated incrementally, in ≥ 20 steps, to successively higher temperatures using a custom-built, resistance-heating, high-vacuum, and low-blank furnace. Continuous step heating was conducted with ramp times of ~1 min and dwell times of ~30 min at each temperature. Incremental-heating fractions were analyzed by static gas mass analysis with a MAP 215-50 mass spectrometer. Corrections for interfering reactions producing Ar from K, Ca, and Cl during sample irradiation were made using factors determined using solids irradiated at the same time. An intralaboratory muscovite standard (“PM-1”) was used as a fluence monitor and has an $^{40}\text{Ar}/^{39}\text{Ar}$ age of 165.3 Ma with a $\pm 1\%$ uncertainty, determined using cross-calibration with several monitors including the 27.84 Ma Fish Canyon Tuff biotite standard (FCT-3).

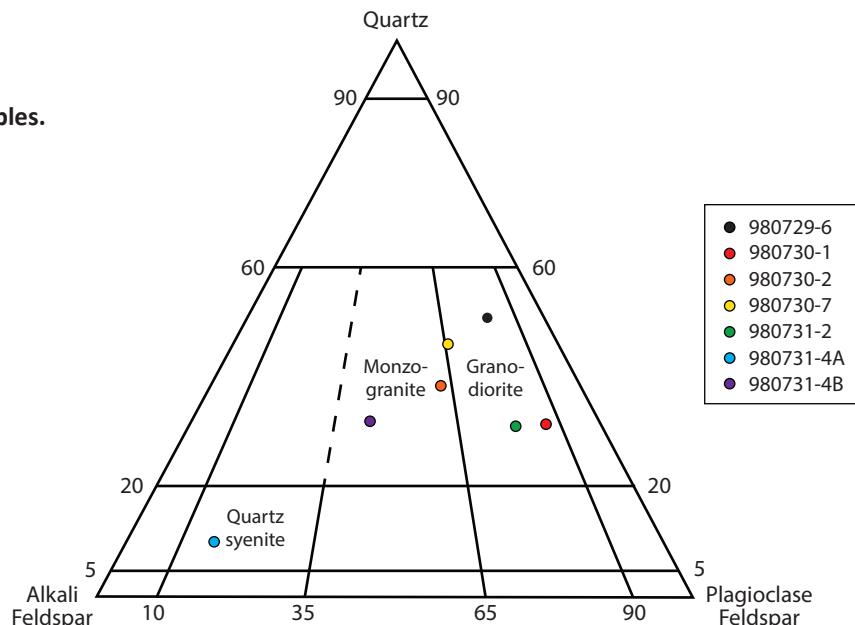
Section 2: Chemical Analyses and Supporting Geochronology Figures

TABLE S1. CHEMICAL ANALYSES

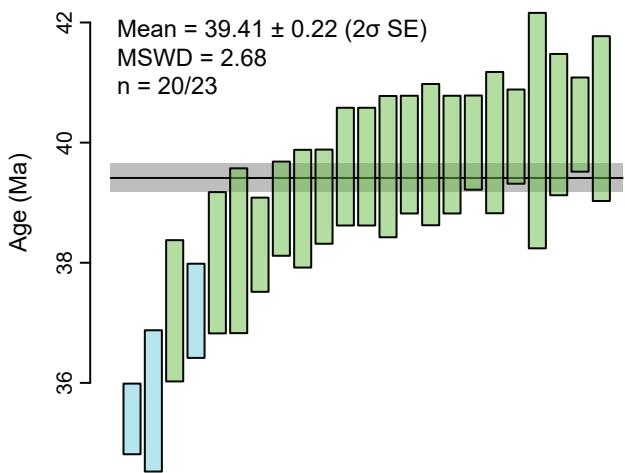
Sample:	980729-1	980730-1	980730-2	980730-4	980730-5	980730-6	980731-2	980731-4A	980731-4B	980802-71B	980802-72	980802-74
Location:	Coffeepot Stock	Copper Basin	Copper Basin	Copper Basin								
Latitude:	41.7940°N	41.8202°N	41.8225°N	41.8358°N	41.8067°N	41.7922°N	41.7859°N	41.7872°N	41.7861°N	41.7625°N	41.7634°N	41.7553°N
Longitude:	115.6698°W	115.6911°W	115.6885°W	115.6456°W	115.6230°W	115.6448°W	115.4934°W	115.4926°W	115.4919°W	115.4903°W	115.4903°W	115.4874°W
SiO ₂	74.11	65.23	75.16	65.48	71.58	74.18	72.52	73.73	70.73	71.77	70.98	69.79
Al ₂ O ₃	12.10	17.67	12.69	17.79	16.21	12.10	14.58	13.49	14.38	16.33	14.72	15.10
Fe	0.70	3.86	0.52	3.42	1.72	0.61	2.55	0.27	2.42	1.03	2.82	0.49
Mg	0.07	1.05	0.04	1.08	0.47	0.11	0.55	0.06	0.60	0.41	0.71	0.01
Ca	0.36	3.93	0.79	3.42	2.36	0.35	0.85	0.85	0.82	2.92	3.66	0.29
Mn	0.03	0.11	0.05	0.11	0.05	0.01	0.05	0.01	0.06	0.03	0.06	0.00
K	4.75	4.15	3.78	4.51	3.24	3.87	2.74	6.82	4.68	4.04	2.65	9.07
Na	2.10	3.71	3.68	4.03	4.94	2.35	2.44	2.70	2.21	4.35	3.22	2.92
Ti	0.10	0.51	0.06	0.39	0.18	0.07	0.32	0.15	0.33	0.21	0.29	0.05
Sum	94.32	100.23	96.76	100.22	100.75	93.64	96.60	98.07	96.23	101.10	99.11	97.73
Sr	182	757	35	921	410	135	585	292	601	665	677	66
Ba	248	2087	56	1587	452	97	918	711	1571	950	779	145
Ni	16	5	5	12	15	N.D.	16	4	10	88	12	3
Sc	4	4	1	8	8	N.D.	9	0	6	6	6	0
Cr	24	1	2	9	11	N.D.	33	-	24	7	9	0
V	37	26	2	42	33	N.D.	53	0	38	25	34	2
Zn	58	72	47	81	57	42	81	38	63	52	66	30
Cu	3	4	4	9	16	N.D.	4	4	3	17	8	4

Note: Geochemistry data analyzed at USF Center for Geochemical Analysis following protocols described in Peterson and Ryan (2008). Sample analyses calibrated against USGS standards G-2, AGV-1, SDC-1, and SDC-1 and IWG standard AC-E. Intralaboratory LML-7 dacite standard used as a drift monitor. Uncertainties are 1% for major elements (>10%), 1-3% for elements (<10% but >0.1%), 5% for Sr and Ba, and 10-20% for other trace elements, with greater uncertainties at lower concentrations.

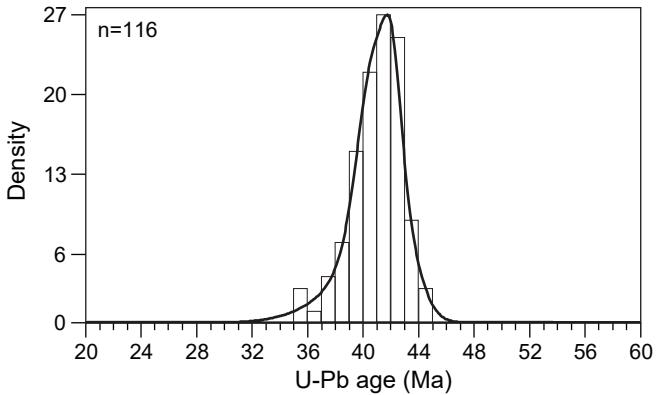
Figure S1. QAP plot showing the relative proportions of quartz, alkali feldspar, and plagioclase feldspar for Coffeepot Stock samples.



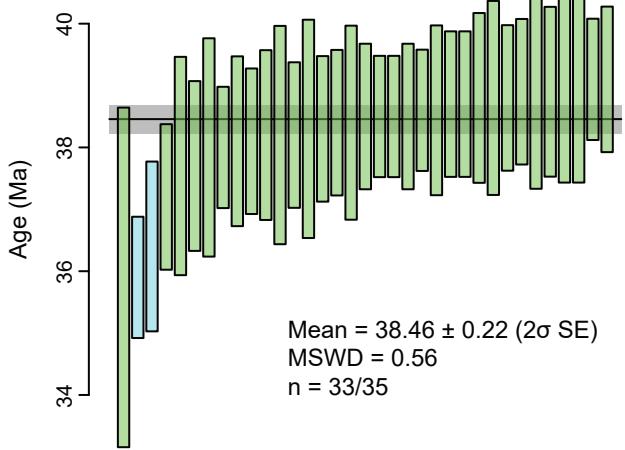
NV12-159CB



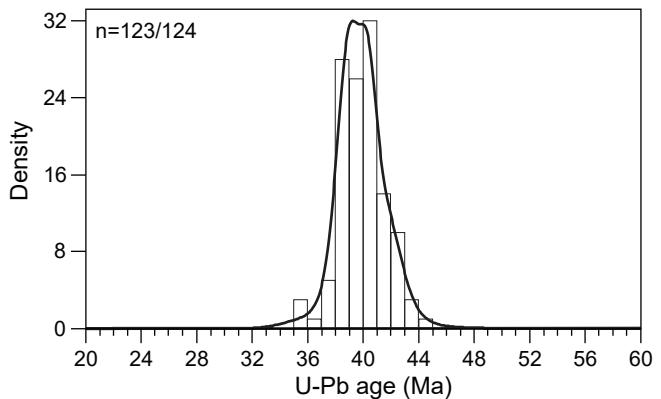
NV12-159CB



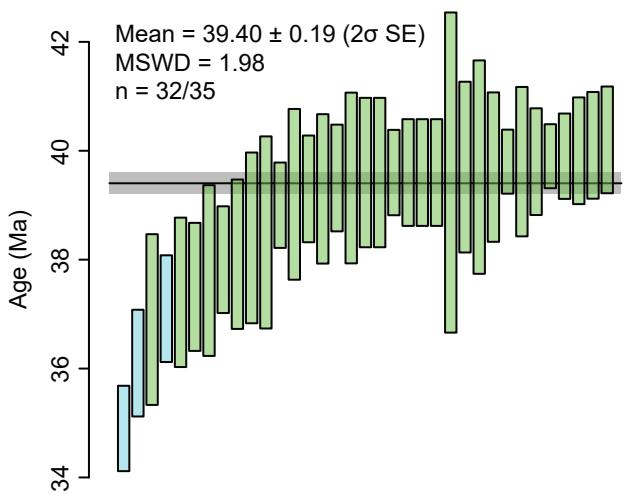
NV12-181CB



NV12-181CB



NV12-169CB



NV12-169CB

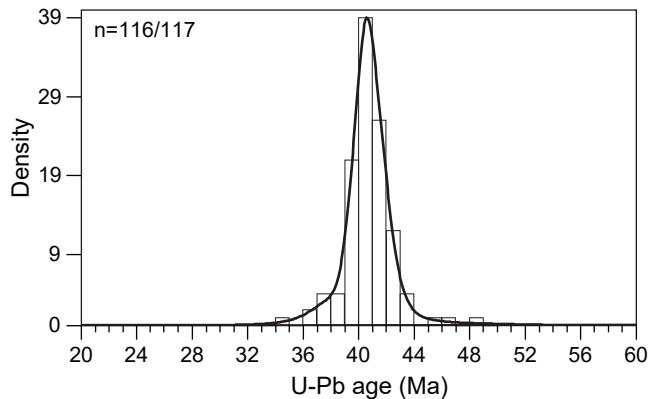


Figure S2. Detrital zircon maximum depositional ages and U-Pb age plots for samples NV12-159CB, NV12-181CB, and NV12-169CB. U-Pb age plotted using a kernal density estimate function (Vermeesch, 2012) and maximum depositional ages determined with IsoplotR (Vermeesch, 2018). Grains with $\geq 10\%$ discordance not included in maximum depositional age determination.

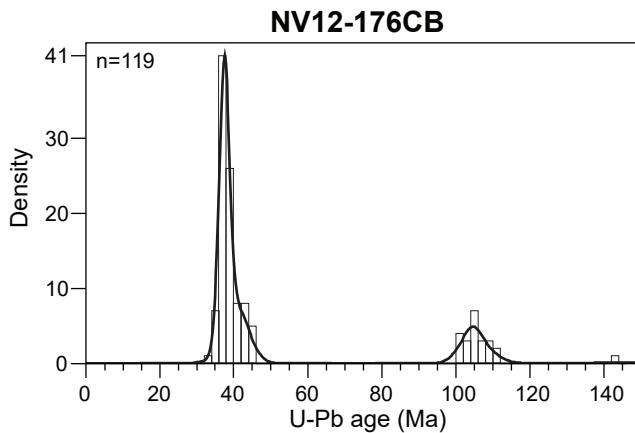
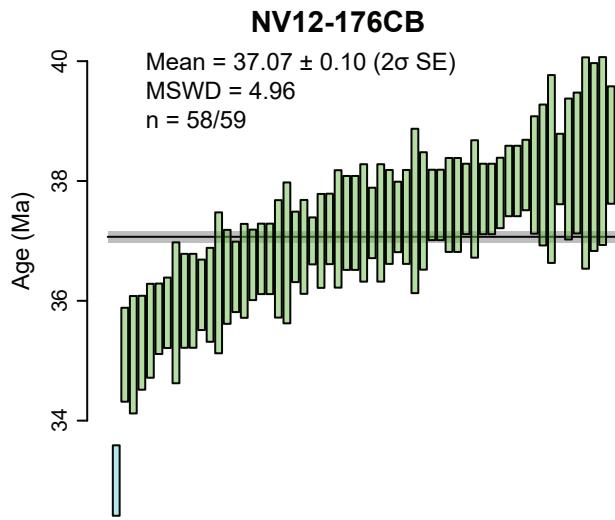
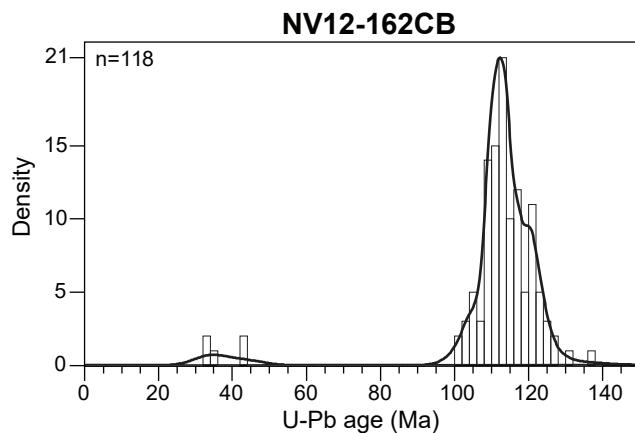
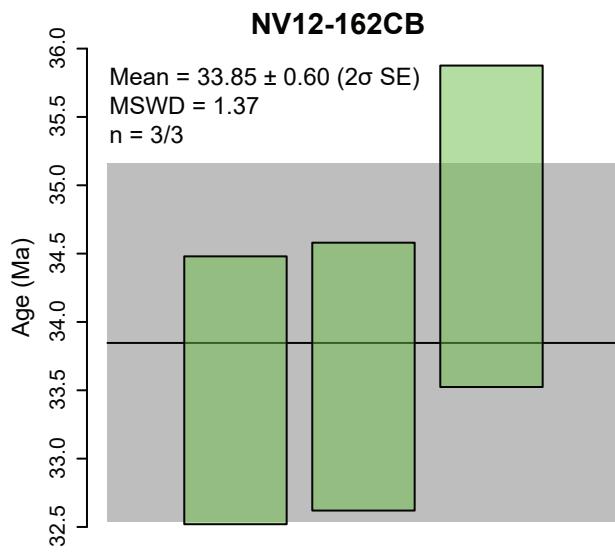


Figure S3. Detrital zircon maximum depositional ages and U-Pb age plots for samples NV12-162CB and NV12-176CB. U-Pb age plotted using a kernal density estimate function (Vermeesch, 2012) and maximum depositional ages determined with IsoplotR (Vermeesch, 2018). Grains with $\geq 10\%$ discordance not included in maximum depositional age determination.

TABLE S2. DETRITAL U-Pb GEOCHRONOLOGY SAMPLE LOCALITIES

Sample number	Lithology	Mineral(s) dated	Location		Elevation (m)
			Latitude (°N) *	Longitude (°W) *	
NV12-159CB	sandstone	zircon	41.7505	115.4784	2176
NV12-162CB	sandstone	apatite, zircon	41.7571	115.4835	2154
NV12-169CB	sandstone	zircon	41.7615	115.4627	2374
NV12-176CB	sandstone	apatite, zircon	41.7640	115.4679	2366
NV12-181CB	sandstone	zircon	41.7370	115.4757	2264

*Locations reported relative to NAD 1983 projection.

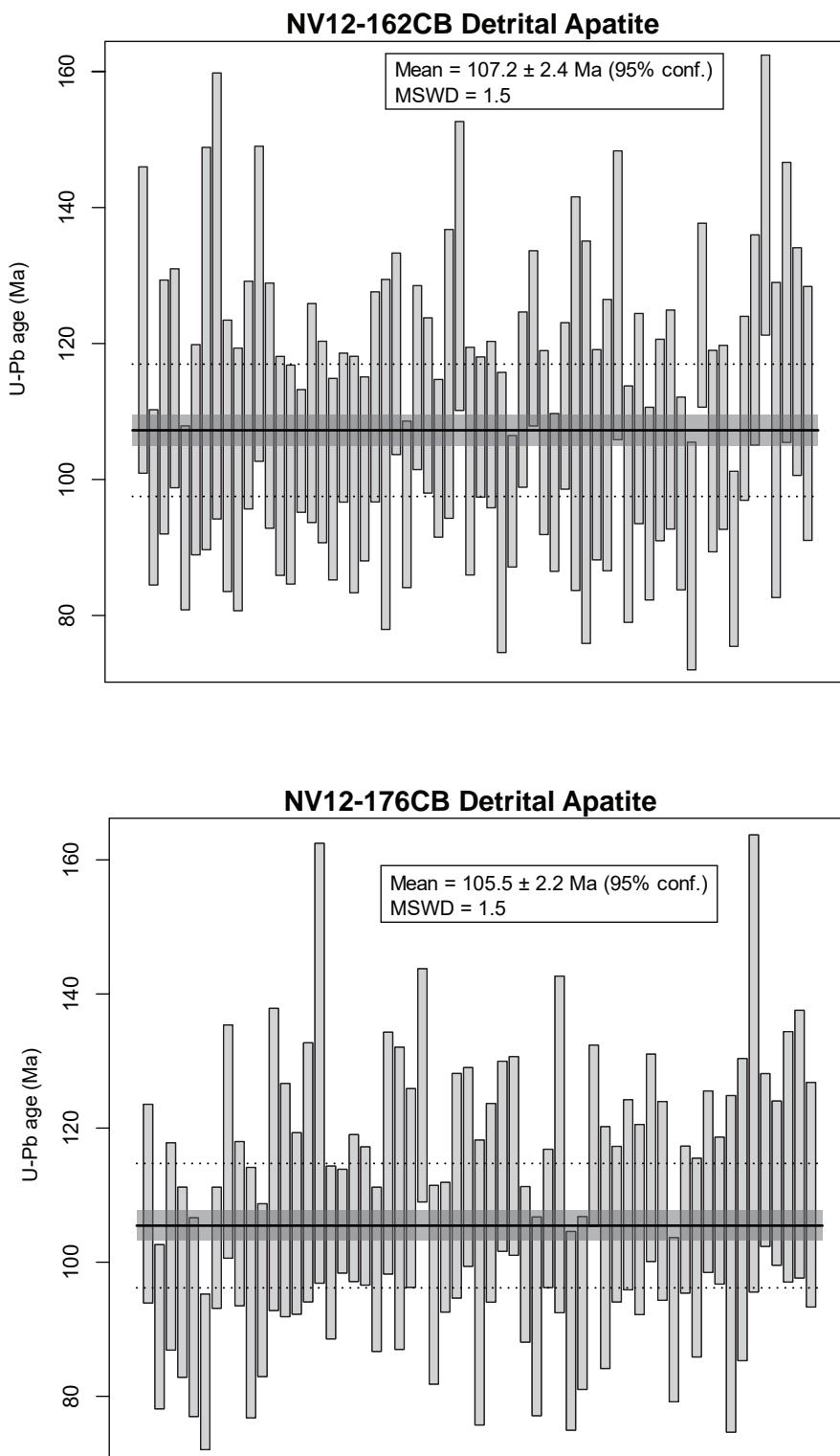


Figure S4. Weighted mean plots of ^{204}Pb corrected U-Pb ages for detrital apatite extracted from samples NV12-162CB and NV12-176CB. Weighted mean plot created using Vermeesch (2018).

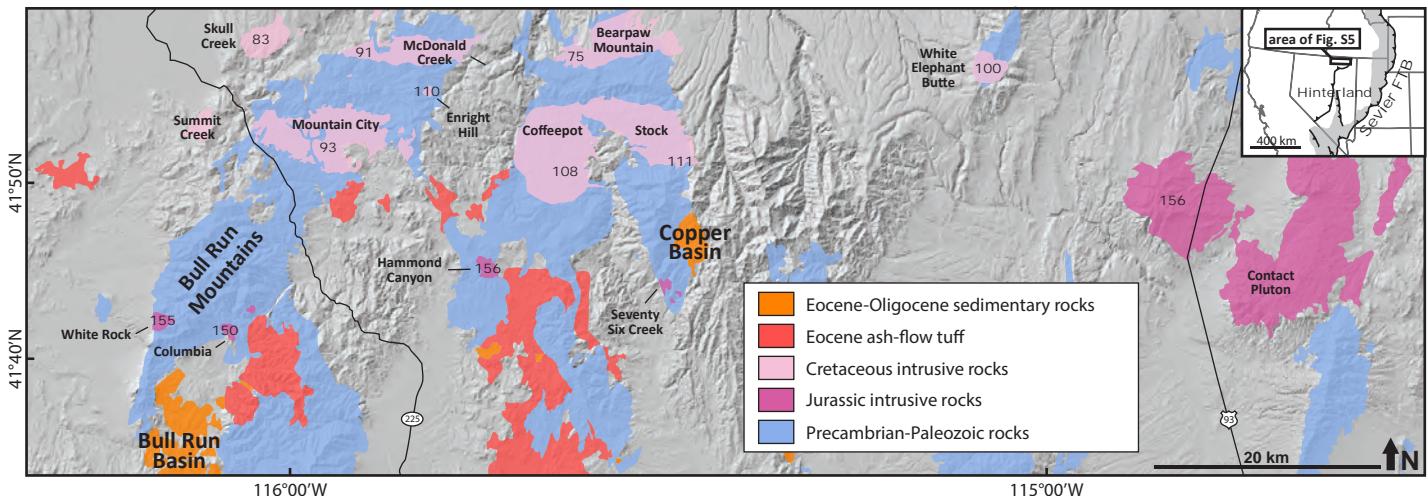


Figure S5. Simplified geologic map of northeastern Nevada showing ages of Jurassic and Cretaceous intrusive rocks proximal to the Copper Mountains. Geology modified from Coats (1987) and Henry et al. (2011). Crystallization ages from du Bray (2007).

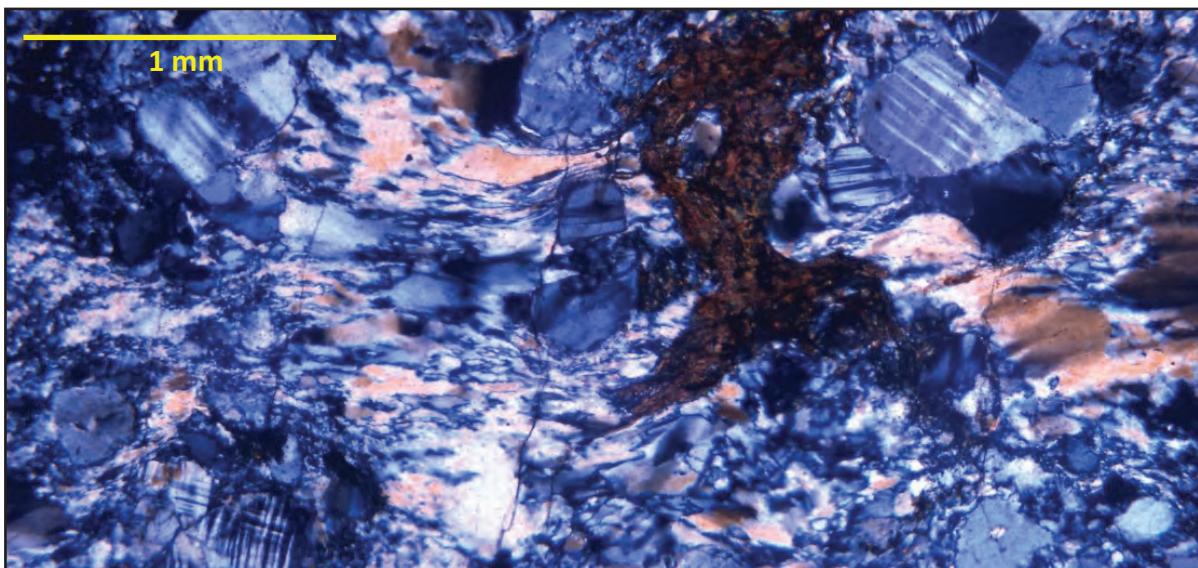


Figure S6. Photomicrograph of sample 000714-1 in XPL. Sample is of medium-coarse-grained biotite monzogranite with dynamically recrystallized quartz matrix. Feldspars are locally microfractured and/or cut by thin recrystallized veinlets. Biotite commonly occurs in recrystallized patches 1-2 mm in diameter intergrown with epidote. The absence of chlorite suggests recrystallization may have occurred in the epidote amphibolite facies.

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Section 3: Zircon U-Pb Analyses

Analysis	U (ppm)	U/Th	207Pb/ 206Pb	2σ error	207Pb/ 235U	2σ error	206Pb/ 238U	2σ error	err. corr.	206Pb/ 238U Age (Ma)	2σ error (Ma)	207Pb/ 235U Age (Ma)	2σ error (Ma)	207Pb/ 206Pb Age (Ma)	2σ error (Ma)	Best age (Ma)	2σ error (Ma)	Disc. (%)
NV12-159CB																		
12159CB_1	262	1.0	0.0496	0.0021	0.0433	0.0019	0.0063	0.0001	0.14	40.5	0.7	43.0	1.8	328	73	40.5	0.7	5.8
12159CB_2	404	1.0	0.0595	0.0047	0.0509	0.0033	0.0064	0.0001	0.11	41.0	0.6	50.4	3.2	586	81	41.0	0.6	18.7
12159CB_4	437	0.9	0.0503	0.0014	0.0430	0.0012	0.0062	0.0001	0.33	39.8	0.5	42.8	1.2	238	36	39.8	0.5	7.0
12159CB_5	444	0.9	0.0486	0.0014	0.0422	0.0010	0.0063	0.0001	0.07	40.6	0.5	41.9	0.9	192	37	40.6	0.5	3.2
12159CB_6	310	1.7	0.0475	0.0016	0.0449	0.0015	0.0069	0.0001	0.20	44.3	0.8	44.6	1.4	222	57	44.3	0.8	0.7
12159CB_7	343	1.2	0.0505	0.0015	0.0416	0.0012	0.0060	0.0001	0.37	38.2	0.7	41.4	1.2	237	34	38.2	0.7	7.7
12159CB_8	248	1.4	0.0602	0.0017	0.0537	0.0016	0.0064	0.0001	0.06	41.3	0.6	53.1	1.5	633	45	41.3	0.6	22.2
12159CB_9	278	1.0	0.0531	0.0021	0.0468	0.0020	0.0064	0.0001	0.28	41.2	0.9	46.4	2.0	364	60	41.2	0.9	11.2
12159CB_10	359	0.7	0.0516	0.0014	0.0444	0.0012	0.0063	0.0001	0.41	40.4	0.7	44.1	1.2	315	45	40.4	0.7	8.4
12159CB_11	205	0.9	0.0635	0.0091	0.0595	0.0081	0.0068	0.0001	0.11	43.4	0.8	58.3	7.4	640	160	43.4	0.8	25.5
12159CB_12	147	0.8	0.0624	0.0063	0.0564	0.0065	0.0065	0.0002	0.48	41.9	1.2	55.5	6.1	770	170	41.9	1.2	24.5
12159CB_13	171	1.0	0.0565	0.0052	0.0454	0.0032	0.0059	0.0001	0.09	37.8	0.9	45.0	3.1	530	140	37.8	0.9	16.0
12159CB_14	409	0.6	0.0629	0.0031	0.0549	0.0029	0.0063	0.0001	0.30	40.6	0.5	54.2	2.8	760	110	40.6	0.5	25.1
12159CB_15	204	1.0	0.0655	0.0031	0.0582	0.0029	0.0065	0.0001	0.29	41.8	0.8	57.4	2.8	762	75	41.8	0.8	27.1
12159CB_16	216	1.0	0.0519	0.0029	0.0444	0.0023	0.0063	0.0002	0.13	40.2	1.0	44.1	2.2	346	84	40.2	1.0	8.8
12159CB_17	2070	2.4	0.0484	0.0007	0.0439	0.0007	0.0066	0.0001	0.24	42.2	0.6	43.7	0.7	154	28	42.2	0.6	3.4
12159CB_18	393	1.7	0.0542	0.0060	0.0467	0.0054	0.0063	0.0001	0.08	40.3	0.6	43.9	1.9	350	130	40.3	0.6	8.2
12159CB_19	463	0.8	0.0566	0.0015	0.0454	0.0013	0.0058	0.0001	0.14	37.2	0.5	45.1	1.3	516	53	37.2	0.5	17.5
12159CB_20	5387	1.9	0.0489	0.0005	0.0411	0.0005	0.0061	0.0001	0.59	39.1	0.4	40.9	0.5	148	16	39.1	0.4	4.4
12159CB_21	499	1.2	0.0495	0.0020	0.0396	0.0015	0.0058	0.0001	0.01	37.2	0.6	39.4	1.5	237	59	37.2	0.6	5.6
12159CB_23	1629	3.0	0.0504	0.0018	0.0438	0.0016	0.0063	0.0001	0.24	40.8	0.4	43.5	1.6	215	51	40.8	0.4	6.3
12159CB_24	714	1.5	0.0587	0.0043	0.0518	0.0045	0.0063	0.0001	0.18	40.3	0.5	51.1	4.2	540	130	40.3	0.5	21.2
12159CB_25	189	1.2	0.0519	0.0027	0.0461	0.0024	0.0065	0.0001	0.12	41.4	0.8	45.7	2.3	443	90	41.4	0.8	9.3
12159CB_26	287	1.5	0.0524	0.0019	0.0460	0.0017	0.0064	0.0001	0.06	40.8	0.7	45.7	1.6	357	58	40.8	0.7	10.7
12159CB_28	196	2.6	0.0486	0.0021	0.0429	0.0017	0.0064	0.0001	0.02	41.1	0.8	42.7	1.6	273	73	41.1	0.8	3.7
12159CB_29	3400	2.2	0.0526	0.0007	0.0408	0.0005	0.0055	0.0000	0.18	35.6	0.3	40.6	0.5	310	23	35.6	0.3	12.3
12159CB_30	582	1.3	0.0510	0.0016	0.0455	0.0015	0.0064	0.0001	0.33	41.4	0.5	45.1	1.5	264	50	41.4	0.5	8.1
12159CB_31	139	1.3	0.0579	0.0049	0.0509	0.0038	0.0065	0.0002	0.03	42.0	1.0	50.3	3.7	700	160	42.0	1.0	16.5
12159CB_32	203	1.0	0.0630	0.0034	0.0560	0.0026	0.0064	0.0001	0.01	41.3	0.8	55.3	2.5	720	72	41.3	0.8	25.3
12159CB_33	909	6.2	0.0488	0.0009	0.0419	0.0006	0.0063	0.0001	0.15	40.3	0.4	41.7	0.6	139	22	40.3	0.4	3.3
12159CB_34	1840	1.9	0.0466	0.0006	0.0394	0.0005	0.0061	0.0001	0.43	38.9	0.4	39.2	0.5	86	16	38.9	0.4	0.7
12159CB_35	205	1.4	0.0501	0.0019	0.0452	0.0015	0.0066	0.0001	0.10	42.1	0.6	44.8	1.4	299	64	42.1	0.6	6.0
12159CB_36	566	1.1	0.0527	0.0026	0.0448	0.0022	0.0062	0.0001	0.10	39.9	0.5	44.5	2.1	361	86	39.9	0.5	10.3
12159CB_37	434	1.0	0.0490	0.0012	0.0434	0.0011	0.0065	0.0001	0.29	41.8	0.6	43.1	1.0	160	30	41.8	0.6	3.1
12159CB_38	229	1.5	0.0591	0.0032	0.0533	0.0026	0.0065	0.0001	0.03	41.8	0.5	52.7	2.5	529	88	41.8	0.5	20.6
12159CB_39	500	1.0	0.0482	0.0010	0.0430	0.0008	0.0064	0.0001	0.17	41.3	0.5	42.8	0.8	164	23	41.3	0.5	3.4

12159CB_40	3571	1.9	0.0488	0.0006	0.0428	0.0005	0.0064	0.0001	0.24	40.9	0.3	42.5	0.5	129	21	40.9	0.3	3.7
12159CB_42	169	1.1	0.0524	0.0021	0.0460	0.0015	0.0064	0.0001	0.03	41.1	0.7	45.6	1.5	325	50	41.1	0.7	9.8
12159CB_43	248	1.5	0.0556	0.0035	0.0513	0.0036	0.0067	0.0001	0.05	43.0	0.7	50.7	3.3	414	81	43.0	0.7	15.2
12159CB_44	495	0.6	0.0508	0.0019	0.0436	0.0020	0.0062	0.0001	0.15	39.6	0.5	43.3	1.9	313	81	39.6	0.5	8.5
12159CB_45	687	1.3	0.0516	0.0011	0.0428	0.0009	0.0060	0.0001	0.04	38.9	0.5	42.6	0.9	251	30	38.9	0.5	8.7
12159CB_46	138	0.9	0.0627	0.0039	0.0526	0.0031	0.0060	0.0001	0.04	38.6	0.7	51.9	3.0	653	72	38.6	0.7	25.6
12159CB_47	436	0.6	0.0491	0.0015	0.0428	0.0013	0.0063	0.0001	0.34	40.7	0.6	42.5	1.3	216	60	40.7	0.6	4.2
12159CB_48	2650	2.5	0.0482	0.0006	0.0373	0.0005	0.0055	0.0001	0.27	35.4	0.3	37.2	0.5	133	21	35.4	0.3	4.7
12159CB_49	547	1.3	0.0583	0.0022	0.0497	0.0023	0.0062	0.0001	0.32	39.7	0.5	48.6	1.8	549	76	39.7	0.5	18.4
12159CB_50	516	0.9	0.0494	0.0015	0.0441	0.0013	0.0064	0.0001	0.01	41.3	0.6	43.8	1.3	206	36	41.3	0.6	5.6
12159CB_51	529	1.3	0.0496	0.0025	0.0449	0.0018	0.0067	0.0001	0.05	42.8	0.6	44.6	1.8	261	81	42.8	0.6	4.0
12159CB_52	317	0.8	0.0548	0.0031	0.0519	0.0024	0.0068	0.0002	0.22	43.8	1.2	51.3	2.3	469	54	43.8	1.2	14.6
12159CB_55	215	1.4	0.0562	0.0040	0.0542	0.0038	0.0069	0.0002	0.11	44.0	1.0	53.5	3.7	496	97	44.0	1.0	17.8
12159CB_56	285	1.9	0.0539	0.0031	0.0462	0.0023	0.0063	0.0001	0.02	40.5	0.6	45.9	2.2	461	87	40.5	0.6	11.9
12159CB_57	122	1.3	0.0527	0.0030	0.0491	0.0027	0.0068	0.0001	0.13	43.4	0.9	48.7	2.6	451	93	43.4	0.9	11.0
12159CB_58	1210	1.4	0.0493	0.0008	0.0425	0.0007	0.0062	0.0001	0.26	40.1	0.4	42.3	0.7	171	22	40.1	0.4	5.2
12159CB_59	488	1.5	0.0523	0.0029	0.0468	0.0026	0.0065	0.0001	0.20	41.7	0.8	46.4	2.5	340	100	41.7	0.8	10.2
12159CB_60	705	1.1	0.0498	0.0012	0.0411	0.0009	0.0060	0.0001	0.17	38.3	0.4	40.9	0.8	235	39	38.3	0.4	6.3
12159CB_61	188	1.4	0.0610	0.0027	0.0569	0.0021	0.0068	0.0001	0.05	43.7	0.9	56.1	2.0	631	51	43.7	0.9	22.1
12159CB_62	655	1.0	0.0481	0.0011	0.0422	0.0011	0.0064	0.0001	0.55	41.1	0.5	42.0	1.1	160	29	41.1	0.5	2.0
12159CB_63	341	1.3	0.0520	0.0029	0.0464	0.0024	0.0065	0.0002	0.15	41.8	1.1	46.0	2.3	317	95	41.8	1.1	9.1
12159CB_64	670	1.3	0.0481	0.0009	0.0414	0.0008	0.0062	0.0001	0.10	40.0	0.4	41.2	0.8	142	23	40.0	0.4	2.9
12159CB_65	152	1.1	0.0482	0.0018	0.0437	0.0015	0.0066	0.0001	0.12	42.3	0.9	43.4	1.5	253	41	42.3	0.9	2.5
12159CB_66	279	1.5	0.0533	0.0019	0.0489	0.0018	0.0066	0.0002	0.30	42.7	1.0	48.5	1.7	378	37	42.7	1.0	12.0
12159CB_67	146	1.3	0.0520	0.0027	0.0476	0.0019	0.0067	0.0002	0.05	42.8	1.0	47.2	1.9	422	67	42.8	1.0	9.3
12159CB_68	517	1.2	0.0507	0.0013	0.0452	0.0012	0.0065	0.0001	0.37	41.5	0.6	44.8	1.1	242	43	41.5	0.6	7.4
12159CB_69	83	0.9	0.0481	0.0023	0.0420	0.0018	0.0063	0.0002	0.13	40.4	1.0	41.7	1.8	328	85	40.4	1.0	3.0
12159CB_70	444	0.5	0.0522	0.0029	0.0415	0.0023	0.0057	0.0001	0.25	36.6	0.4	41.3	2.3	342	93	36.6	0.4	11.3
12159CB_71	895	3.9	0.0511	0.0011	0.0435	0.0009	0.0062	0.0001	0.38	40.0	0.6	43.2	0.9	253	31	40.0	0.6	7.4
12159CB_72	616	0.6	0.0480	0.0011	0.0415	0.0009	0.0063	0.0001	0.24	40.4	0.6	41.3	0.9	147	25	40.4	0.6	2.0
12159CB_73	2410	1.8	0.0517	0.0011	0.0442	0.0012	0.0061	0.0001	0.38	39.3	0.5	43.9	1.2	277	36	39.3	0.5	10.5
12159CB_74	650	1.0	0.0494	0.0015	0.0433	0.0012	0.0063	0.0001	0.04	40.7	0.4	43.0	1.1	235	58	40.7	0.4	5.3
12159CB_75	296	1.3	0.0567	0.0030	0.0514	0.0026	0.0066	0.0001	0.22	42.3	0.6	50.8	2.5	443	89	42.3	0.6	16.7
12159CB_76	620	1.2	0.0477	0.0008	0.0406	0.0007	0.0062	0.0001	0.23	39.6	0.5	40.4	0.7	117	19	39.6	0.5	1.8
12159CB_77	676	0.9	0.0550	0.0015	0.0478	0.0009	0.0062	0.0001	0.05	39.9	0.7	47.4	0.9	427	45	39.9	0.7	15.8
12159CB_78	311	1.3	0.0514	0.0022	0.0463	0.0020	0.0065	0.0001	0.17	41.9	0.5	45.9	1.9	322	54	41.9	0.5	8.6
12159CB_79	392	1.4	0.0502	0.0025	0.0456	0.0018	0.0066	0.0001	0.13	42.7	0.6	44.7	1.3	258	75	42.7	0.6	4.5
12159CB_80	539	1.2	0.0501	0.0021	0.0454	0.0019	0.0066	0.0001	0.01	42.3	0.6	45.1	1.8	256	67	42.3	0.6	6.3
12159CB_81	504	1.0	0.0494	0.0013	0.0439	0.0013	0.0064	0.0001	0.35	40.9	0.5	43.6	1.2	273	52	40.9	0.5	6.2
12159CB_82	319	1.1	0.0538	0.0017	0.0511	0.0016	0.0069	0.0001	0.18	44.1	0.7	50.6	1.6	360	43	44.1	0.7	12.8
12159CB_83	303	1.9	0.0573	0.0030	0.0533	0.0026	0.0067	0.0001	0.08	43.2	0.7	52.7	2.5	511	76	43.2	0.7	18.1
12159CB_84	1870	1.7	0.0652	0.0036	0.0543	0.0032	0.0060	0.0001	0.45	38.6	0.4	53.7	3.1	790	120	38.6	0.4	28.1

12159CB_86	342	0.8	0.0499	0.0016	0.0446	0.0012	0.0065	0.0001	0.01	41.5	0.7	44.3	1.2	310	76	41.5	0.7	6.4
12159CB_87	199	1.1	0.0553	0.0034	0.0472	0.0029	0.0061	0.0002	0.23	39.4	1.0	46.8	2.9	490	140	39.4	1.0	15.8
12159CB_88	533	0.8	0.0512	0.0016	0.0436	0.0013	0.0062	0.0001	0.16	39.8	0.6	43.3	1.3	275	49	39.8	0.6	8.1
12159CB_90	523	0.8	0.0530	0.0037	0.0449	0.0029	0.0061	0.0001	0.15	39.4	0.5	44.5	2.7	309	76	39.4	0.5	11.5
12159CB_91	287	1.6	0.0562	0.0025	0.0524	0.0026	0.0068	0.0001	0.26	43.6	0.8	51.8	2.5	456	60	43.6	0.8	15.9
12159CB_92	222	1.3	0.0559	0.0026	0.0502	0.0022	0.0066	0.0001	0.16	42.1	0.7	49.7	2.1	491	83	42.1	0.7	15.4
12159CB_93	265	1.5	0.0508	0.0015	0.0469	0.0014	0.0067	0.0001	0.02	42.9	0.7	46.5	1.3	275	39	42.9	0.7	7.8
12159CB_94	217	0.9	0.0516	0.0037	0.0495	0.0038	0.0068	0.0001	0.01	43.7	0.8	48.0	3.0	430	100	43.7	0.8	9.1
12159CB_95	440	0.8	0.0468	0.0014	0.0364	0.0009	0.0055	0.0001	0.09	35.7	0.6	36.3	0.9	145	35	35.7	0.6	1.7
12159CB_96	266	1.0	0.0501	0.0013	0.0411	0.0010	0.0059	0.0001	0.02	38.0	0.6	40.9	1.0	252	45	38.0	0.6	7.2
12159CB_97	516	1.3	0.0514	0.0017	0.0453	0.0015	0.0064	0.0001	0.29	41.3	0.4	45.0	1.4	274	51	41.3	0.4	8.3
12159CB_98	304	1.6	0.0503	0.0018	0.0456	0.0014	0.0066	0.0001	0.07	42.5	0.5	45.3	1.3	258	53	42.5	0.5	6.2
12159CB_99	1116	1.1	0.0612	0.0026	0.0524	0.0023	0.0061	0.0001	0.20	39.4	0.5	51.9	2.2	644	91	39.4	0.5	24.1
12159CB_100	696	1.0	0.0486	0.0013	0.0430	0.0010	0.0064	0.0001	0.42	41.0	0.5	42.7	1.0	159	39	41.0	0.5	4.1
12159CB_101	1650	1.9	0.0478	0.0007	0.0427	0.0007	0.0065	0.0001	0.30	41.6	0.4	42.5	0.7	102	17	41.6	0.4	2.0
12159CB_103	527	1.0	0.0483	0.0011	0.0419	0.0011	0.0062	0.0001	0.25	39.8	0.5	41.7	1.0	170	35	39.8	0.5	4.5
12159CB_104	800	1.7	0.0532	0.0031	0.0469	0.0029	0.0063	0.0001	0.25	40.4	0.9	46.4	2.8	390	120	40.4	0.9	13.0
12159CB_105	600	1.8	0.0508	0.0028	0.0462	0.0030	0.0066	0.0001	0.53	42.3	0.9	45.8	2.9	303	98	42.3	0.9	7.7
12159CB_106	251	0.8	0.0532	0.0023	0.0491	0.0022	0.0066	0.0001	0.19	42.5	0.9	48.7	2.1	402	52	42.5	0.9	12.7
12159CB_108	287	1.3	0.0517	0.0041	0.0466	0.0036	0.0065	0.0001	0.04	42.0	0.6	46.1	3.5	440	140	42.0	0.6	8.8
12159CB_109	234	1.3	0.0523	0.0020	0.0474	0.0017	0.0066	0.0001	0.16	42.1	0.8	47.0	1.6	346	64	42.1	0.8	10.5
12159CB_110	5400	1.5	0.0489	0.0004	0.0392	0.0005	0.0058	0.0001	0.49	37.2	0.4	39.0	0.5	148	16	37.2	0.4	4.6
12159CB_111	345	0.9	0.0512	0.0019	0.0460	0.0014	0.0066	0.0001	0.08	42.1	0.7	45.6	1.3	268	63	42.1	0.7	7.7
12159CB_112	194	1.2	0.0528	0.0036	0.0480	0.0033	0.0066	0.0001	0.03	42.3	0.9	47.6	3.1	450	100	42.3	0.9	11.2
12159CB_113	226	3.3	0.0513	0.0030	0.0471	0.0028	0.0066	0.0001	0.05	42.6	0.6	46.6	2.7	421	89	42.6	0.6	8.5
12159CB_116	157	0.8	0.0490	0.0022	0.0443	0.0019	0.0066	0.0001	0.11	42.2	0.8	43.9	1.9	304	63	42.2	0.8	3.8
12159CB_117	332	1.1	0.0482	0.0014	0.0435	0.0013	0.0065	0.0001	0.03	41.8	0.7	43.2	1.2	232	84	41.8	0.7	3.3
12159CB_118	258	2.0	0.0546	0.0029	0.0490	0.0025	0.0066	0.0001	0.28	42.3	0.7	48.5	2.4	499	94	42.3	0.7	12.7
12159CB_119	321	0.9	0.0548	0.0016	0.0498	0.0014	0.0065	0.0001	0.22	41.9	0.8	49.3	1.4	400	44	41.9	0.8	14.9
12159CB_121	297	1.3	0.0510	0.0019	0.0466	0.0016	0.0065	0.0001	0.00	42.0	0.6	46.2	1.6	353	45	42.0	0.6	9.0
12159CB_123	426	1.3	0.0515	0.0021	0.0462	0.0017	0.0065	0.0001	0.11	41.9	0.6	45.9	1.6	374	75	41.9	0.6	8.7
12159CB_124	351	1.0	0.0560	0.0036	0.0515	0.0035	0.0066	0.0001	0.06	42.5	0.8	51.0	3.3	680	150	42.5	0.8	16.6
12159CB_125	636	1.2	0.0491	0.0013	0.0429	0.0012	0.0064	0.0001	0.24	41.0	0.6	42.6	1.1	215	37	41.0	0.6	3.8
12159CB_126	481	1.5	0.0578	0.0012	0.0482	0.0009	0.0061	0.0001	0.23	39.0	0.5	47.8	0.9	517	31	39.0	0.5	18.5
12159CB_127	383	1.7	0.0499	0.0015	0.0438	0.0013	0.0063	0.0001	0.06	40.5	0.7	43.5	1.2	257	49	40.5	0.7	6.9
12159CB_128	401	1.3	0.0516	0.0017	0.0442	0.0015	0.0062	0.0001	0.11	39.6	0.6	43.8	1.5	342	56	39.6	0.6	9.7
12159CB_130	183	0.9	0.0486	0.0018	0.0450	0.0015	0.0066	0.0001	0.15	42.7	0.7	44.7	1.5	272	62	42.7	0.7	4.5
12159CB_131	58	1.1	0.0566	0.0053	0.0525	0.0043	0.0068	0.0002	0.12	43.4	1.5	51.9	4.2	560	130	43.4	1.5	16.4

Analysis	U (ppm)	U/Th	207Pb/	2σ	207Pb/	2σ	206Pb/	2σ	err.	206Pb/	2σ	207Pb/	2σ	207Pb/	2σ	Best	2σ	Disc.
			206Pb	error	235U	error	238U	error	corr.	238U Age	error	235U Age	error	206Pb Age	error	age	error	(%)
NV12-162CB																		
12162CB_1	347	3.9	0.0484	0.0007	0.1173	0.0020	0.0175	0.0002	0.41	112.6	1.8	112.0	1.2	116	34	112.0	1.2	0.5
12162CB_2	535	2.1	0.0483	0.0005	0.1161	0.0016	0.0175	0.0002	0.60	111.5	1.4	111.9	1.1	110	25	111.9	1.1	0.4
12162CB_3	408	3.3	0.0482	0.0006	0.1109	0.0015	0.0168	0.0002	0.40	106.8	1.4	107.5	1.0	107	28	107.5	1.0	0.7
12162CB_4	386	3.3	0.0483	0.0008	0.1172	0.0023	0.0176	0.0002	0.52	112.5	2.1	112.7	1.4	112	36	112.7	1.4	0.2
12162CB_5	494	3.5	0.0481	0.0005	0.1106	0.0017	0.0169	0.0002	0.66	106.5	1.5	107.7	1.3	101	25	107.7	1.3	1.1
12162CB_6	481	2.5	0.0482	0.0007	0.1106	0.0022	0.0166	0.0003	0.58	106.4	2.0	106.0	1.7	107	31	106.0	1.7	0.4
12162CB_7	477	3.8	0.0483	0.0006	0.1144	0.0017	0.0173	0.0002	0.33	109.9	1.5	110.4	1.2	109	26	110.4	1.2	0.5
12162CB_8	759	2.8	0.0480	0.0004	0.1045	0.0017	0.0158	0.0002	0.81	100.9	1.6	100.8	1.6	100	20	100.8	1.6	0.1
12162CB_10	385	1.6	0.0488	0.0009	0.1305	0.0023	0.0194	0.0002	0.29	124.5	2.1	123.9	1.2	132	41	123.9	1.2	0.5
12162CB_11	454	2.8	0.0485	0.0007	0.1247	0.0020	0.0188	0.0003	0.53	119.3	1.8	120.0	1.6	124	31	120.0	1.6	0.6
12162CB_12	939	2.4	0.0482	0.0005	0.1190	0.0020	0.0178	0.0003	0.78	114.1	1.8	113.6	1.8	108	21	113.6	1.8	0.4
12162CB_13	609	1.8	0.0483	0.0004	0.1227	0.0019	0.0186	0.0002	0.78	117.5	1.7	118.9	1.4	115	21	118.9	1.4	1.2
12162CB_15	630	3.3	0.0482	0.0006	0.1165	0.0018	0.0176	0.0002	0.13	111.9	1.6	112.3	1.4	107	28	112.3	1.4	0.4
12162CB_16	685	2.5	0.0496	0.0008	0.1160	0.0022	0.0171	0.0002	0.52	111.4	2.0	109.1	1.5	173	35	109.1	1.5	2.1
12162CB_17	706	2.3	0.0484	0.0006	0.1221	0.0019	0.0184	0.0003	0.66	117.0	1.7	117.4	2.0	116	29	117.4	2.0	0.3
12162CB_18	608	2.1	0.0484	0.0005	0.1227	0.0013	0.0185	0.0002	0.63	117.5	1.2	118.3	1.1	115	23	118.3	1.1	0.7
12162CB_19	560	3.5	0.0484	0.0010	0.1160	0.0021	0.0175	0.0002	0.08	111.5	1.9	111.9	1.5	117	43	111.9	1.5	0.4
12162CB_20	419	3.4	0.0482	0.0007	0.1131	0.0018	0.0171	0.0002	0.09	108.8	1.6	109.3	1.2	107	31	109.3	1.2	0.5
12162CB_21	439	2.8	0.0489	0.0007	0.1207	0.0017	0.0180	0.0002	0.48	115.7	1.5	115.1	1.2	145	31	115.1	1.2	0.5
12162CB_22	360	4.1	0.0482	0.0009	0.1158	0.0024	0.0175	0.0003	0.48	111.2	2.2	112.1	1.6	108	42	112.1	1.6	0.8
12162CB_23	784	2.3	0.0484	0.0005	0.1196	0.0018	0.0178	0.0003	0.81	114.7	1.6	113.9	1.7	120	22	113.9	1.7	0.7
12162CB_24	508	3.2	0.0481	0.0006	0.1165	0.0017	0.0175	0.0002	0.14	111.8	1.5	112.0	1.4	106	27	112.0	1.4	0.2
12162CB_25	774	2.9	0.0483	0.0007	0.1147	0.0023	0.0172	0.0003	0.69	110.2	2.1	109.6	1.7	115	32	109.6	1.7	0.5
12162CB_26	276	4.9	0.0484	0.0007	0.1130	0.0017	0.0170	0.0002	0.30	108.6	1.6	108.3	1.0	116	31	108.3	1.0	0.3
12162CB_27	363	3.6	0.0490	0.0007	0.1246	0.0021	0.0183	0.0002	0.62	119.4	1.9	117.0	1.2	146	31	117.0	1.2	2.0
12162CB_28	360	2.1	0.0482	0.0006	0.1150	0.0017	0.0173	0.0002	0.48	110.5	1.6	110.4	1.3	111	29	110.4	1.3	0.1
12162CB_29	415	3.0	0.0493	0.0008	0.1162	0.0023	0.0172	0.0003	0.55	111.6	2.1	109.8	1.9	159	36	109.8	1.9	1.6
12162CB_30	793	1.9	0.0482	0.0005	0.1155	0.0015	0.0174	0.0003	0.69	110.9	1.4	111.3	1.7	108	24	111.3	1.7	0.4
12162CB_31	605	4.0	0.0481	0.0004	0.1125	0.0017	0.0169	0.0002	0.80	108.2	1.5	108.2	1.5	101	20	108.2	1.5	0.0
12162CB_32	596	3.8	0.0482	0.0005	0.1091	0.0018	0.0164	0.0002	0.70	105.2	1.6	104.8	1.3	106	24	104.8	1.3	0.4
12162CB_33	792	2.4	0.0487	0.0008	0.1057	0.0022	0.0157	0.0004	0.77	102.0	2.0	100.3	2.3	133	35	100.3	2.3	1.7
12162CB_34	543	2.7	0.0480	0.0005	0.1171	0.0014	0.0177	0.0002	0.62	112.6	1.3	113.1	1.2	96	24	113.1	1.2	0.4
12162CB_35	640	2.1	0.0483	0.0006	0.1174	0.0018	0.0176	0.0002	0.11	112.7	1.7	112.2	1.4	113	26	112.2	1.4	0.4
12162CB_36	304	0.8	0.0510	0.0018	0.0369	0.0011	0.0052	0.0001	0.11	36.8	1.1	33.5	0.5	130	34	33.5	0.5	9.0
12162CB_37	286	3.4	0.0487	0.0008	0.1372	0.0042	0.0204	0.0006	0.18	130.4	3.8	130.2	3.5	114	31	130.2	3.5	0.2
12162CB_38	309	3.1	0.0483	0.0007	0.1434	0.0024	0.0214	0.0003	0.38	136.5	2.1	136.2	1.8	79	20	136.2	1.8	0.2
12162CB_40	1060	1.8	0.0476	0.0004	0.1298	0.0020	0.0198	0.0003	0.81	124.1	1.8	126.2	1.8	114	30	126.2	1.8	1.7

12162CB_41	401	2.8	0.0483	0.0007	0.1333	0.0018	0.0199	0.0002	0.26	127.1	1.6	127.1	1.2	126	28	127.1	1.2	0.0
12162CB_42	423	2.1	0.0486	0.0006	0.1313	0.0018	0.0197	0.0002	0.48	125.3	1.6	125.5	1.2	115	23	125.5	1.2	0.2
12162CB_43	643	2.0	0.0484	0.0005	0.1285	0.0014	0.0193	0.0002	0.41	122.8	1.2	123.0	1.2	116	33	123.0	1.2	0.2
12162CB_44	391	2.8	0.0484	0.0007	0.1295	0.0019	0.0195	0.0002	0.05	123.6	1.7	124.2	1.3	95	29	124.2	1.3	0.5
12162CB_45	467	1.9	0.0479	0.0006	0.1242	0.0021	0.0188	0.0003	0.60	118.8	1.8	120.3	1.8	121	32	120.3	1.8	1.3
12162CB_46	632	2.1	0.0485	0.0007	0.1268	0.0025	0.0190	0.0004	0.01	121.2	2.2	121.4	2.3	94	24	121.4	2.3	0.2
12162CB_47	568	2.4	0.0480	0.0005	0.1246	0.0014	0.0188	0.0002	0.50	119.2	1.3	120.0	1.3	118	28	120.0	1.3	0.7
12162CB_48	658	3.0	0.0484	0.0006	0.1196	0.0020	0.0171	0.0002	0.33	114.7	1.8	109.4	1.4	155	34	109.4	1.4	4.6
12162CB_49	340	2.6	0.0492	0.0008	0.1248	0.0021	0.0182	0.0002	0.54	119.4	1.9	116.5	1.5	140	25	116.5	1.5	2.4
12162CB_50	833	1.7	0.0489	0.0005	0.1198	0.0017	0.0178	0.0002	0.68	114.8	1.5	113.8	1.3	108	26	113.8	1.3	0.9
12162CB_52	990	2.2	0.0482	0.0005	0.1173	0.0020	0.0177	0.0003	0.77	112.6	1.8	113.3	2.0	199	43	113.3	2.0	0.6
12162CB_53	484	3.0	0.0502	0.0010	0.1346	0.0024	0.0194	0.0002	0.27	128.2	2.2	124.0	1.5	97	26	124.0	1.5	3.3
12162CB_54	533	2.4	0.0480	0.0006	0.1224	0.0020	0.0187	0.0003	0.66	117.2	1.8	119.2	1.9	159	28	119.2	1.9	1.7
12162CB_55	690	3.6	0.0493	0.0006	0.1297	0.0026	0.0193	0.0004	0.78	123.8	2.4	123.1	2.3	203	32	123.1	2.3	0.6
12162CB_57	756	2.1	0.0502	0.0007	0.1220	0.0032	0.0178	0.0004	0.81	116.8	2.9	113.8	2.7	121	27	113.8	2.7	2.6
12162CB_58	683	2.1	0.0486	0.0006	0.1252	0.0023	0.0187	0.0003	0.75	120.0	2.0	119.5	1.9	144	31	119.5	1.9	0.4
12162CB_59	695	1.6	0.0490	0.0007	0.1211	0.0022	0.0179	0.0003	0.30	116.0	2.0	114.4	1.6	158	25	114.4	1.6	1.4
12162CB_60	678	2.1	0.0493	0.0005	0.1212	0.0023	0.0178	0.0003	0.79	116.1	2.1	113.8	1.9	114	44	113.8	1.9	2.0
12162CB_62	713	1.6	0.0483	0.0010	0.1129	0.0017	0.0171	0.0003	0.16	108.6	1.6	109.1	1.6	249	27	109.1	1.6	0.5
12162CB_63	766	1.7	0.0513	0.0006	0.1248	0.0022	0.0178	0.0003	0.46	119.4	2.0	113.9	1.6	145	34	113.9	1.6	4.6
12162CB_64	477	1.3	0.0489	0.0007	0.1276	0.0034	0.0183	0.0004	0.77	121.8	3.1	116.6	2.7	96	25	116.6	2.7	4.3
12162CB_65	552	2.0	0.0479	0.0005	0.1247	0.0014	0.0191	0.0002	0.35	119.3	1.3	121.6	1.0	123	30	121.6	1.0	1.9
12162CB_66	479	2.6	0.0485	0.0006	0.1267	0.0019	0.0193	0.0003	0.62	121.1	1.7	123.1	1.6	190	22	123.1	1.6	1.7
12162CB_67	369	1.2	0.0500	0.0005	0.1925	0.0025	0.0282	0.0003	0.70	178.7	2.1	179.0	1.9	233	38	179.0	1.9	0.2
12162CB_68	608	2.1	0.0510	0.0009	0.1212	0.0022	0.0175	0.0002	0.51	116.1	2.0	112.1	1.4	128	19	112.1	1.4	3.4
12162CB_69	2630	6.4	0.0486	0.0004	0.1246	0.0018	0.0179	0.0002	0.80	119.3	1.6	114.3	1.0	112	30	114.3	1.0	4.2
12162CB_70	497	2.7	0.0483	0.0006	0.1261	0.0021	0.0190	0.0003	0.66	120.6	1.9	121.2	1.7	159	22	121.2	1.7	0.5
12162CB_71	3430	1.9	0.0493	0.0005	0.1158	0.0017	0.0170	0.0002	0.66	111.3	1.5	108.7	1.4	103	37	108.7	1.4	2.3
12162CB_72	691	2.3	0.0481	0.0008	0.1129	0.0019	0.0171	0.0002	0.40	108.6	1.7	109.4	1.0	108	22	109.4	1.0	0.7
12162CB_73	651	2.7	0.0482	0.0005	0.1094	0.0013	0.0166	0.0002	0.57	105.4	1.2	105.8	1.1	146	35	105.8	1.1	0.4
12162CB_74	622	2.6	0.0490	0.0007	0.1170	0.0023	0.0173	0.0002	0.62	112.3	2.1	110.4	1.3	107	28	110.4	1.3	1.7
12162CB_76	419	2.6	0.0483	0.0006	0.1218	0.0020	0.0182	0.0003	0.62	116.6	1.8	116.3	1.6	120	27	116.3	1.6	0.3
12162CB_77	474	1.9	0.0484	0.0006	0.1270	0.0018	0.0189	0.0002	0.40	121.4	1.6	120.8	1.4	109	26	120.8	1.4	0.5
12162CB_78	853	1.9	0.0482	0.0006	0.1177	0.0019	0.0177	0.0002	0.68	113.0	1.7	113.2	1.3	112	25	113.2	1.3	0.2
12162CB_79	623	2.4	0.0483	0.0005	0.1202	0.0016	0.0181	0.0002	0.49	115.2	1.5	115.4	1.1	214	26	115.4	1.1	0.2
12162CB_80	670	2.0	0.0505	0.0006	0.1337	0.0016	0.0191	0.0002	0.51	127.4	1.5	121.9	1.3	238	37	121.9	1.3	4.3
12162CB_81	563	1.8	0.0509	0.0008	0.1330	0.0022	0.0188	0.0003	0.45	126.8	2.0	120.1	1.6	117	27	120.1	1.6	5.3
12162CB_83	549	2.4	0.0484	0.0006	0.1215	0.0024	0.0183	0.0002	0.06	116.4	2.2	117.0	1.5	115	29	117.0	1.5	0.5
12162CB_84	597	2.3	0.0483	0.0006	0.1183	0.0021	0.0178	0.0003	0.72	113.5	1.9	113.9	1.7	152	29	113.9	1.7	0.4
12162CB_85	600	2.5	0.0492	0.0006	0.1190	0.0019	0.0175	0.0002	0.15	114.1	1.7	111.9	1.4	379	43	111.9	1.4	1.9
12162CB_86	436	2.7	0.0541	0.0010	0.1345	0.0029	0.0181	0.0003	0.49	128.1	2.6	115.3	1.6	117	25	115.3	1.6	10.0
12162CB_87	610	2.2	0.0485	0.0005	0.1216	0.0018	0.0182	0.0002	0.69	116.5	1.6	116.5	1.5	120	41	116.5	1.5	0.0

12162CB_88	444	4.0	0.0484	0.0009	0.1223	0.0023	0.0183	0.0003	0.43	117.5	2.2	116.7	2.1	117	27	116.7	2.1	0.7
12162CB_89	473	3.9	0.0484	0.0006	0.1269	0.0022	0.0192	0.0003	0.70	121.3	2.0	122.3	1.8	108	35	122.3	1.8	0.8
12162CB_90	451	2.7	0.0482	0.0008	0.1186	0.0018	0.0179	0.0002	0.39	113.8	1.6	114.5	1.5	112	33	114.5	1.5	0.6
12162CB_91	910	2.1	0.0483	0.0007	0.1182	0.0023	0.0178	0.0003	0.68	113.4	2.1	113.5	2.0	233	23	113.5	2.0	0.1
12162CB_92	684	1.9	0.0508	0.0005	0.1245	0.0016	0.0179	0.0002	0.50	119.1	1.4	114.0	0.9	195	25	114.0	0.9	4.3
12162CB_94	462	2.0	0.0592	0.0013	0.0545	0.0012	0.0067	0.0001	0.27	53.8	1.2	43.1	0.7	108	22	43.1	0.7	19.8
12162CB_95	2040	3.7	0.0500	0.0006	0.1107	0.0015	0.0162	0.0002	0.56	106.6	1.3	103.5	1.2	138	23	103.5	1.2	2.9
12162CB_96	1038	2.1	0.0482	0.0005	0.1094	0.0011	0.0164	0.0002	0.52	105.4	1.0	104.9	1.1	117	31	104.9	1.1	0.5
12162CB_97	1049	1.7	0.0488	0.0005	0.1168	0.0014	0.0174	0.0002	0.51	112.1	1.2	110.9	1.1	199	27	110.9	1.1	1.1
12162CB_98	1003	2.0	0.0484	0.0007	0.1122	0.0016	0.0161	0.0002	0.34	107.9	1.5	103.1	1.3	132	50	103.1	1.3	4.4
12162CB_99	1114	1.9	0.0502	0.0006	0.1176	0.0014	0.0171	0.0002	0.58	112.9	1.3	109.2	1.4	122	26	109.2	1.4	3.3
12162CB_100	495	4.3	0.0487	0.0011	0.1160	0.0028	0.0174	0.0003	0.12	111.4	2.5	111.1	1.6	121	31	111.1	1.6	0.3
12162CB_101	763	1.7	0.0484	0.0005	0.1089	0.0013	0.0163	0.0002	0.54	104.9	1.2	104.2	1.2	237	34	104.2	1.2	0.7
12162CB_102	826	1.9	0.0485	0.0007	0.1145	0.0014	0.0172	0.0002	0.45	110.0	1.3	109.8	1.3	117	27	109.8	1.3	0.2
12162CB_103	872	2.2	0.0510	0.0008	0.1261	0.0024	0.0178	0.0002	0.64	120.6	2.1	113.7	1.4	163	34	113.7	1.4	5.7
12162CB_104	988	1.9	0.0499	0.0012	0.0369	0.0008	0.0054	0.0001	0.42	36.8	0.8	34.7	0.6	108	25	34.7	0.6	5.7
12162CB_105	544	2.3	0.0484	0.0006	0.1207	0.0021	0.0182	0.0002	0.69	115.7	1.9	116.3	1.3	138	43	116.3	1.3	0.5
12162CB_106	867	2.0	0.0494	0.0007	0.1227	0.0019	0.0172	0.0002	0.22	117.5	1.8	110.0	1.5	127	27	110.0	1.5	6.4
12162CB_107	733	2.0	0.0482	0.0005	0.1153	0.0019	0.0173	0.0003	0.77	110.8	1.7	110.8	1.8	241	27	110.8	1.8	0.0
12162CB_108	676	1.6	0.0489	0.0010	0.1198	0.0020	0.0171	0.0002	0.04	114.9	1.8	109.0	1.0	133	25	109.0	1.0	5.1
12162CB_109	685	1.9	0.0486	0.0006	0.1169	0.0014	0.0173	0.0002	0.46	112.3	1.3	110.8	1.0	118	28	110.8	1.0	1.3
12162CB_110	796	1.3	0.0510	0.0006	0.1221	0.0022	0.0174	0.0002	0.72	116.9	2.0	111.4	1.5	309	51	111.4	1.5	4.7
12162CB_111	549	2.1	0.0487	0.0005	0.1235	0.0016	0.0184	0.0002	0.54	118.4	1.4	117.4	1.3	115	34	117.4	1.3	0.8
12162CB_112	543	2.1	0.0484	0.0006	0.1211	0.0017	0.0181	0.0002	0.52	116.1	1.5	115.4	1.4	117	27	115.4	1.4	0.6
12162CB_113	529	2.0	0.0528	0.0013	0.1339	0.0034	0.0184	0.0003	0.37	127.5	3.1	117.6	2.0	109	26	117.6	2.0	7.8
12162CB_115	343	1.1	0.0525	0.0013	0.0504	0.0012	0.0067	0.0001	0.37	49.9	1.2	42.8	0.6	202	55	42.8	0.6	14.3
12162CB_116	594	2.3	0.0483	0.0007	0.1171	0.0021	0.0175	0.0003	0.67	112.4	1.9	112.1	2.0	119	28	112.1	2.0	0.3
12162CB_117	474	2.4	0.0484	0.0006	0.1201	0.0018	0.0179	0.0002	0.60	115.1	1.6	114.4	1.3	174	29	114.4	1.3	0.6
12162CB_118	820	1.8	0.0482	0.0006	0.1216	0.0023	0.0183	0.0003	0.78	116.5	2.0	117.1	2.1	114	23	117.1	2.1	0.5
12162CB_119	1110	4.5	0.0502	0.0012	0.1137	0.0040	0.0165	0.0005	0.76	109.3	3.7	105.5	3.3	78	30	105.5	3.3	3.5
12162CB_120	1155	1.7	0.0485	0.0006	0.1167	0.0015	0.0176	0.0002	0.65	112.1	1.3	112.6	1.3	128	39	112.6	1.3	0.4
12162CB_121	999	1.7	0.0495	0.0006	0.1229	0.0024	0.0179	0.0004	0.77	117.6	2.2	114.6	2.2	106	31	114.6	2.2	2.6
12162CB_122	1029	1.4	0.0483	0.0005	0.1156	0.0015	0.0174	0.0002	0.71	111.0	1.4	111.4	1.2	203	34	111.4	1.2	0.4
12162CB_123	322	2.2	0.0482	0.0013	0.0351	0.0008	0.0052	0.0001	0.16	35.0	0.8	33.6	0.5	116	36	33.6	0.5	4.0
12162CB_124	740	1.9	0.0476	0.0006	0.1145	0.0016	0.0173	0.0002	0.43	110.1	1.5	110.6	1.4	117	38	110.6	1.4	0.5
12162CB_125	1265	11.0	0.0486	0.0008	0.1084	0.0013	0.0160	0.0002	0.40	104.5	1.2	102.3	1.2	230	76	102.3	1.2	2.1
12162CB_126	532	1.8	0.0482	0.0007	0.1262	0.0018	0.0189	0.0002	0.46	120.7	1.6	120.7	1.2	300	130	120.7	1.2	0.0
12162CB_127	1270	3.3	0.0503	0.0008	0.1184	0.0023	0.0171	0.0003	0.68	113.6	2.1	109.3	2.2	114	58	109.3	2.2	3.8
12162CB_129	502	2.4	0.0484	0.0008	0.1249	0.0025	0.0187	0.0003	0.63	119.5	2.3	119.2	1.7	294	54	119.2	1.7	0.3
12162CB_130	481	2.5	0.0484	0.0008	0.1268	0.0025	0.0189	0.0004	0.61	121.2	2.3	120.4	2.3	184	51	120.4	2.3	0.7

Analysis	U (ppm)	U/Th	207Pb/ 206Pb	2σ error	207Pb/ 235U	2σ error	206Pb/ 238U	2σ error	err. corr.	206Pb/ 238U Age (Ma)	2σ error (Ma)	207Pb/ 235U Age (Ma)	2σ error (Ma)	207Pb/ 206Pb Age (Ma)	2σ error (Ma)	Best age (Ma)	2σ error (Ma)	Disc. (%)
NV12-169CB: Copper Basin																		
12169CB_01	199	2.1	0.0482	0.0018	0.0410	0.0015	0.0062	0.0001	0.12	39.6	0.7	41.0	1.5	215	51	39.6	0.7	3.3
12169CB_02	217	1.2	0.0519	0.0024	0.0467	0.0023	0.0066	0.0001	0.39	42.2	0.8	46.3	2.3	330	62	42.2	0.8	8.8
12169CB_03	370	1.0	0.0486	0.0020	0.0413	0.0027	0.0060	0.0001	0.57	38.4	0.8	41.0	2.6	233	66	38.4	0.8	6.4
12169CB_04	119	1.6	0.1615	0.0010	9.6930	0.0720	0.4335	0.0027	0.67	2321.0	12.0	2407.0	6.6	2472	6	2471.9	6.0	6.1
12169CB_05	244	1.6	0.0456	0.0019	0.0394	0.0016	0.0063	0.0001	0.16	40.4	0.7	39.2	1.5	194	41	40.4	0.7	3.1
12169CB_06	384	1.0	0.0471	0.0014	0.0412	0.0011	0.0063	0.0001	0.00	40.6	0.5	41.0	1.1	168	26	40.6	0.5	1.0
12169CB_07	621	0.9	0.0475	0.0009	0.0402	0.0008	0.0061	0.0001	0.28	39.3	0.5	40.0	0.8	164	27	39.3	0.5	1.8
12169CB_08	341	1.1	0.0549	0.0035	0.0509	0.0036	0.0067	0.0001	0.03	43.1	0.7	50.3	3.4	440	100	43.1	0.7	14.3
12169CB_09	412	1.1	0.0473	0.0013	0.0416	0.0011	0.0065	0.0001	0.28	41.5	0.6	41.4	1.1	158	29	41.5	0.6	0.2
12169CB_10	137	2.2	0.0484	0.0029	0.0406	0.0022	0.0061	0.0001	0.06	39.2	0.8	40.4	2.1	309	69	39.2	0.8	3.0
12169CB_11	281	1.1	0.0486	0.0016	0.0452	0.0013	0.0068	0.0001	0.06	43.9	0.6	44.9	1.3	227	39	43.9	0.6	2.3
12169CB_13	1372	5.1	0.0481	0.0008	0.0420	0.0006	0.0064	0.0001	0.37	41.2	0.5	41.8	0.6	114	18	41.2	0.5	1.4
12169CB_16	638	0.5	0.0541	0.0021	0.0483	0.0016	0.0065	0.0001	0.36	41.6	0.6	47.8	1.6	392	65	41.6	0.6	13.0
12169CB_17	542	1.1	0.0494	0.0012	0.0431	0.0008	0.0064	0.0001	0.12	40.9	0.7	42.8	0.8	162	25	40.9	0.7	4.6
12169CB_18	629	2.9	0.0475	0.0010	0.0412	0.0012	0.0064	0.0002	0.67	41.0	1.0	41.0	1.1	120	20	41.0	1.0	0.0
12169CB_19	297	1.4	0.0493	0.0018	0.0420	0.0013	0.0063	0.0001	0.16	40.3	0.6	41.8	1.3	280	41	40.3	0.6	3.6
12169CB_20	270	1.8	0.0495	0.0019	0.0428	0.0015	0.0063	0.0001	0.19	40.7	0.6	42.5	1.5	321	65	40.7	0.6	4.3
12169CB_21	313	40.6	0.0485	0.0017	0.0423	0.0013	0.0064	0.0001	0.15	41.2	0.7	42.0	1.3	208	40	41.2	0.7	1.8
12169CB_22	512	1.7	0.0523	0.0019	0.0421	0.0011	0.0059	0.0001	0.33	37.8	0.8	41.9	1.1	333	48	37.8	0.8	9.8
12169CB_23	218	1.6	0.0495	0.0017	0.0429	0.0013	0.0063	0.0001	0.11	40.6	0.7	42.6	1.3	241	37	40.6	0.7	4.8
12169CB_24	222	1.7	0.0485	0.0019	0.0417	0.0016	0.0063	0.0001	0.18	40.4	0.7	41.4	1.6	226	41	40.4	0.7	2.3
12169CB_25	2990	3.8	0.0499	0.0009	0.0425	0.0009	0.0062	0.0001	0.35	39.8	0.3	42.3	0.9	218	35	39.8	0.3	5.9
12169CB_26	458	1.0	0.0471	0.0012	0.0405	0.0009	0.0063	0.0001	0.01	40.3	0.5	40.3	0.9	131	26	40.3	0.5	0.0
12169CB_27	100	0.8	0.0537	0.0048	0.0451	0.0035	0.0063	0.0002	0.08	40.4	1.0	44.7	3.4	520	110	40.4	1.0	9.6
12169CB_28	208	2.5	0.0463	0.0018	0.0402	0.0015	0.0062	0.0001	0.15	39.6	0.7	40.0	1.4	184	34	39.6	0.7	1.1
12169CB_29	250	1.6	0.0638	0.0042	0.0570	0.0035	0.0066	0.0002	0.16	42.3	1.4	56.3	3.4	768	90	42.3	1.4	24.9
12169CB_30	1780	3.4	0.0478	0.0006	0.0413	0.0006	0.0063	0.0001	0.40	40.6	0.4	41.1	0.6	117	18	40.6	0.4	1.4
12169CB_31	228	1.3	0.0503	0.0023	0.0452	0.0019	0.0064	0.0001	0.02	41.4	0.8	44.8	1.9	424	67	41.4	0.8	7.6
12169CB_32	292	2.0	0.0472	0.0016	0.0427	0.0014	0.0066	0.0001	0.07	42.1	0.8	42.5	1.3	192	31	42.1	0.8	1.0
12169CB_33	246	2.0	0.0468	0.0017	0.0395	0.0012	0.0062	0.0001	0.02	39.8	0.7	39.3	1.2	181	41	39.8	0.7	1.3
12169CB_34	177	1.5	0.0517	0.0032	0.0441	0.0031	0.0061	0.0001	0.03	39.3	0.7	43.7	2.9	379	70	39.3	0.7	10.0
12169CB_35	274	1.4	0.0482	0.0015	0.0426	0.0012	0.0064	0.0001	0.11	41.1	0.7	42.3	1.2	201	29	41.1	0.7	2.8
12169CB_36	198	0.9	0.0528	0.0028	0.0458	0.0024	0.0063	0.0001	0.19	40.2	0.8	45.4	2.3	430	70	40.2	0.8	11.4
12169CB_37	258	1.2	0.0511	0.0028	0.0467	0.0029	0.0065	0.0002	0.33	42.0	1.6	46.3	2.8	291	64	42.0	1.6	9.3
12169CB_38	701	1.0	0.0490	0.0011	0.0443	0.0009	0.0065	0.0001	0.08	41.8	0.5	44.0	0.9	218	31	41.8	0.5	5.0
12169CB_39	760	4.4	0.0477	0.0010	0.0420	0.0007	0.0064	0.0001	0.05	41.3	0.5	41.8	0.7	122	19	41.3	0.5	1.3
12169CB_40	489	1.4	0.0535	0.0020	0.0455	0.0019	0.0063	0.0001	0.19	40.3	0.9	45.1	1.8	322	53	40.3	0.9	10.6
12169CB_41	207	1.7	0.0485	0.0017	0.0429	0.0016	0.0063	0.0001	0.05	40.7	0.7	42.6	1.5	223	34	40.7	0.7	4.4

12169CB_42	373	1.3	0.0547	0.0027	0.0472	0.0027	0.0064	0.0001	0.32	40.8	0.9	46.8	2.6	404	94	40.8	0.9	12.8
12169CB_43	442	1.2	0.0476	0.0014	0.0406	0.0011	0.0062	0.0001	0.07	39.8	0.5	40.4	1.1	174	34	39.8	0.5	1.5
12169CB_44	556	1.3	0.0511	0.0015	0.0424	0.0014	0.0060	0.0001	0.26	38.5	0.9	42.1	1.3	252	43	38.5	0.9	8.7
12169CB_45	298	0.7	0.0516	0.0024	0.0438	0.0018	0.0062	0.0001	0.20	39.7	0.8	43.5	1.7	317	59	39.7	0.8	8.9
12169CB_46	323	1.3	0.0472	0.0014	0.0426	0.0012	0.0065	0.0001	0.13	41.8	0.5	42.3	1.1	163	31	41.8	0.5	1.1
12169CB_47	142	2.0	0.0508	0.0026	0.0460	0.0021	0.0065	0.0002	0.02	41.8	1.1	45.6	2.1	322	66	41.8	1.1	8.3
12169CB_48	500	1.4	0.0493	0.0010	0.0439	0.0010	0.0065	0.0001	0.36	41.5	0.5	43.6	1.0	164	26	41.5	0.5	4.7
12169CB_49	3518	3.6	0.0467	0.0004	0.0404	0.0004	0.0062	0.0000	0.49	39.9	0.3	40.2	0.4	65	10	39.9	0.3	0.6
12169CB_50	661	1.0	0.0491	0.0010	0.0394	0.0008	0.0058	0.0001	0.27	37.1	0.5	39.2	0.8	185	26	37.1	0.5	5.5
12169CB_51	1240	1.9	0.0510	0.0017	0.0447	0.0014	0.0063	0.0001	0.14	40.6	0.6	44.4	1.4	263	58	40.6	0.6	8.7
12169CB_52	370	1.3	0.0512	0.0021	0.0421	0.0016	0.0059	0.0001	0.14	38.1	0.7	41.8	1.6	287	53	38.1	0.7	8.9
12169CB_53	575	1.2	0.0475	0.0012	0.0406	0.0010	0.0062	0.0001	0.16	40.0	0.5	40.4	1.0	159	31	40.0	0.5	0.9
12169CB_55	147	1.0	0.0479	0.0021	0.0418	0.0017	0.0064	0.0001	0.16	40.8	0.8	41.5	1.7	239	45	40.8	0.8	1.8
12169CB_56	403	1.3	0.0496	0.0014	0.0434	0.0011	0.0063	0.0001	0.09	40.6	0.5	43.2	1.1	222	38	40.6	0.5	6.1
12169CB_57	247	1.9	0.0482	0.0021	0.0413	0.0016	0.0062	0.0002	0.12	39.7	1.0	41.0	1.5	208	40	39.7	1.0	3.1
12169CB_58	1010	1.1	0.0503	0.0012	0.0441	0.0010	0.0063	0.0001	0.29	40.6	0.5	43.8	1.0	242	37	40.6	0.5	7.2
12169CB_59	585	1.3	0.0496	0.0014	0.0444	0.0010	0.0065	0.0001	0.19	41.5	0.5	44.1	1.0	203	34	41.5	0.5	6.0
12169CB_60	763	0.9	0.0487	0.0010	0.0419	0.0009	0.0062	0.0001	0.19	39.6	0.4	41.7	0.9	181	31	39.6	0.4	5.1
12169CB_61	366	2.1	0.0463	0.0014	0.0485	0.0013	0.0076	0.0001	0.11	48.7	0.6	48.1	1.2	170	35	48.7	0.6	1.3
12169CB_62	434	1.2	0.0480	0.0012	0.0404	0.0010	0.0062	0.0001	0.10	39.6	0.5	40.2	1.0	133	24	39.6	0.5	1.5
12169CB_63	158	2.3	0.0492	0.0023	0.0427	0.0018	0.0063	0.0001	0.03	40.4	0.8	42.5	1.7	239	48	40.4	0.8	4.9
12169CB_64	359	1.2	0.0510	0.0017	0.0458	0.0015	0.0065	0.0001	0.18	42.0	0.6	45.7	1.5	292	48	42.0	0.6	8.0
12169CB_65	191	1.0	0.0472	0.0021	0.0409	0.0017	0.0063	0.0001	0.06	40.3	0.7	40.7	1.6	234	42	40.3	0.7	0.9
12169CB_66	199	1.0	0.0520	0.0018	0.0523	0.0016	0.0073	0.0001	0.25	46.6	0.8	51.7	1.6	306	43	46.6	0.8	9.8
12169CB_67	524	1.8	0.0493	0.0014	0.0445	0.0013	0.0066	0.0001	0.42	42.5	0.5	44.2	1.3	221	41	42.5	0.5	4.0
12169CB_68	1561	0.8	0.0480	0.0008	0.0359	0.0006	0.0054	0.0001	0.33	34.9	0.4	35.8	0.6	112	17	34.9	0.4	2.5
12169CB_69	226	1.0	0.0516	0.0028	0.0449	0.0025	0.0064	0.0002	0.74	40.9	0.9	44.5	2.4	362	69	40.9	0.9	8.2
12169CB_71	546	1.1	0.0518	0.0014	0.0471	0.0013	0.0066	0.0001	0.43	42.7	0.6	46.7	1.3	258	33	42.7	0.6	8.5
12169CB_72	769	0.8	0.0483	0.0012	0.0454	0.0009	0.0068	0.0001	0.17	43.9	0.7	45.2	0.9	184	32	43.9	0.7	2.7
12169CB_73	347	1.1	0.0496	0.0015	0.0452	0.0014	0.0066	0.0001	0.11	42.1	0.7	44.9	1.3	235	42	42.1	0.7	6.3
12169CB_74	1005	2.4	0.0467	0.0009	0.0405	0.0007	0.0063	0.0001	0.10	40.6	0.5	40.3	0.7	115	23	40.6	0.5	0.7
12169CB_75	312	2.0	0.0491	0.0020	0.0436	0.0017	0.0065	0.0002	0.25	41.5	1.0	43.3	1.7	229	47	41.5	1.0	4.3
12169CB_76	336	1.5	0.0508	0.0023	0.0453	0.0023	0.0064	0.0001	0.17	41.1	0.7	44.9	2.2	400	110	41.1	0.7	8.6
12169CB_77	599	1.3	0.0493	0.0022	0.0423	0.0018	0.0062	0.0001	0.03	40.2	0.5	42.0	1.7	190	44	40.2	0.5	4.4
12169CB_78	456	1.0	0.0473	0.0014	0.0414	0.0011	0.0064	0.0001	0.26	41.1	0.6	41.2	1.1	159	30	41.1	0.6	0.1
12169CB_79	304	1.6	0.0501	0.0039	0.0433	0.0030	0.0063	0.0002	0.10	40.3	1.5	43.0	2.9	350	120	40.3	1.5	6.3
12169CB_80	498	1.9	0.0478	0.0012	0.0416	0.0009	0.0064	0.0001	0.14	40.8	0.6	41.4	0.9	117	25	40.8	0.6	1.3
12169CB_82	118	0.7	0.0510	0.0028	0.0439	0.0020	0.0063	0.0002	0.14	40.5	1.1	43.6	2.0	361	63	40.5	1.1	7.1
12169CB_83	278	2.2	0.0476	0.0016	0.0433	0.0013	0.0065	0.0001	0.17	41.7	0.7	43.1	1.3	182	41	41.7	0.7	3.3
12169CB_84	94	0.8	0.0515	0.0036	0.0448	0.0027	0.0063	0.0002	0.07	40.3	1.2	44.5	2.6	379	59	40.3	1.2	9.4
12169CB_85	139	2.2	0.0477	0.0025	0.0418	0.0021	0.0063	0.0002	0.01	40.7	1.0	41.8	2.1	320	63	40.7	1.0	2.6
12169CB_86	211	2.4	0.0457	0.0017	0.0393	0.0014	0.0063	0.0001	0.11	40.4	0.8	39.1	1.3	218	41	40.4	0.8	3.4

12169CB_87	987	2.6	0.0506	0.0016	0.0431	0.0012	0.0062	0.0001	0.02	39.6	0.5	42.8	1.2	260	39	39.6	0.5	7.5
12169CB_88	143	1.7	0.0469	0.0031	0.0395	0.0024	0.0063	0.0001	0.00	40.4	0.8	39.3	2.3	360	100	40.4	0.8	2.7
12169CB_89	523	1.0	0.0464	0.0013	0.0412	0.0010	0.0065	0.0001	0.02	41.6	0.6	41.0	1.0	169	33	41.6	0.6	1.5
12169CB_90	486	1.6	0.0518	0.0028	0.0456	0.0023	0.0064	0.0001	0.03	41.4	0.5	45.2	2.2	296	55	41.4	0.5	8.4
12169CB_91	434	1.3	0.0467	0.0013	0.0415	0.0010	0.0065	0.0001	0.12	41.7	0.5	41.3	1.0	124	25	41.7	0.5	0.9
12169CB_92	294	1.1	0.0482	0.0019	0.0463	0.0017	0.0071	0.0001	0.07	45.3	0.9	45.9	1.7	204	50	45.3	0.9	1.2
12169CB_93	430	1.2	0.0484	0.0022	0.0439	0.0017	0.0066	0.0001	0.06	42.4	0.9	43.6	1.6	225	66	42.4	0.9	2.7
12169CB_94	369	1.2	0.0487	0.0016	0.0437	0.0013	0.0065	0.0001	0.04	41.6	0.6	43.4	1.2	276	42	41.6	0.6	4.2
12169CB_95	447	1.1	0.0485	0.0013	0.0425	0.0011	0.0064	0.0001	0.17	40.9	0.5	42.3	1.0	198	27	40.9	0.5	3.4
12169CB_97	743	0.7	0.0514	0.0014	0.0410	0.0011	0.0058	0.0001	0.31	37.4	0.7	40.8	1.1	250	37	37.4	0.7	8.3
12169CB_98	404	0.7	0.0482	0.0016	0.0426	0.0012	0.0064	0.0001	0.15	40.9	0.7	42.3	1.2	221	33	40.9	0.7	3.2
12169CB_101	414	1.5	0.0496	0.0015	0.0398	0.0011	0.0058	0.0001	0.14	37.5	0.6	39.6	1.1	201	35	37.5	0.6	5.4
12169CB_102	491	1.9	0.0481	0.0011	0.0429	0.0009	0.0064	0.0001	0.14	41.3	0.5	42.7	0.8	176	28	41.3	0.5	3.2
12169CB_104	558	3.0	0.0540	0.0022	0.0466	0.0020	0.0063	0.0002	0.44	40.6	1.3	46.2	1.9	385	69	40.6	1.3	12.1
12169CB_105	466	1.1	0.0510	0.0017	0.0443	0.0014	0.0063	0.0001	0.47	40.4	0.6	44.0	1.3	258	51	40.4	0.6	8.2
12169CB_107	767	0.9	0.0480	0.0009	0.0405	0.0008	0.0061	0.0001	0.33	39.5	0.5	40.3	0.8	126	21	39.5	0.5	1.9
12169CB_108	793	2.0	0.0493	0.0011	0.0439	0.0009	0.0065	0.0001	0.16	41.7	0.5	43.6	0.9	176	23	41.7	0.5	4.3
12169CB_109	502	1.1	0.0471	0.0011	0.0417	0.0009	0.0064	0.0001	0.24	41.2	0.6	41.5	0.9	137	28	41.2	0.6	0.8
12169CB_110	480	0.5	0.0486	0.0012	0.0446	0.0010	0.0067	0.0001	0.22	43.0	0.7	44.3	1.0	192	31	43.0	0.7	3.0
12169CB_112	495	1.6	0.0498	0.0019	0.0450	0.0017	0.0066	0.0001	0.07	42.1	0.7	44.7	1.6	230	46	42.1	0.7	5.9
12169CB_113	750	2.0	0.0466	0.0009	0.0364	0.0008	0.0056	0.0001	0.32	36.1	0.5	36.3	0.8	89	19	36.1	0.5	0.7
12169CB_115	635	1.3	0.0481	0.0013	0.0390	0.0010	0.0059	0.0001	0.06	38.0	0.5	38.8	1.0	160	29	38.0	0.5	2.1
12169CB_116	296	1.4	0.0482	0.0021	0.0441	0.0019	0.0067	0.0001	0.23	42.8	0.8	43.8	1.8	248	57	42.8	0.8	2.4
12169CB_117	499	1.0	0.0470	0.0014	0.0407	0.0011	0.0062	0.0001	0.05	40.1	0.5	40.5	1.0	174	33	40.1	0.5	1.0
12169CB_118	589	1.8	0.0471	0.0012	0.0407	0.0009	0.0063	0.0001	0.16	40.7	0.5	40.5	0.9	135	28	40.7	0.5	0.6
12169CB_119	230	1.3	0.0484	0.0018	0.0414	0.0014	0.0062	0.0001	0.08	39.7	0.7	41.2	1.3	260	37	39.7	0.7	3.6
12169CB_120	499	1.2	0.0465	0.0012	0.0397	0.0009	0.0062	0.0001	0.28	39.6	0.5	39.5	0.9	130	32	39.6	0.5	0.4
12169CB_121	329	1.4	0.0485	0.0015	0.0445	0.0013	0.0066	0.0001	0.24	42.5	0.8	44.2	1.3	187	33	42.5	0.8	4.0
12169CB_122	446	1.2	0.0554	0.0030	0.0488	0.0029	0.0065	0.0001	0.20	41.5	0.9	48.4	2.8	460	83	41.5	0.9	14.3
12169CB_123	424	1.2	0.0524	0.0018	0.0436	0.0016	0.0061	0.0001	0.34	39.5	0.8	43.3	1.6	336	47	39.5	0.8	8.8
12169CB_124	420	1.5	0.0481	0.0015	0.0420	0.0013	0.0063	0.0001	0.17	40.7	0.7	41.8	1.3	294	54	40.7	0.7	2.5
12169CB_125	128	1.7	0.0483	0.0044	0.0423	0.0046	0.0062	0.0002	0.45	39.6	1.5	42.0	4.4	390	110	39.6	1.5	5.7
12169CB_126	727	1.7	0.0514	0.0020	0.0404	0.0013	0.0057	0.0001	0.17	36.9	0.8	40.2	1.3	277	55	36.9	0.8	8.2
12169CB_128	2836	4.8	0.0474	0.0006	0.0396	0.0005	0.0061	0.0001	0.44	39.0	0.4	39.5	0.5	100	15	39.0	0.4	1.1
12169CB_129	449	0.9	0.0492	0.0015	0.0433	0.0012	0.0064	0.0001	0.06	41.0	0.5	43.0	1.2	201	35	41.0	0.5	4.7
12169CB_130	550	1.4	0.0479	0.0010	0.0411	0.0009	0.0062	0.0001	0.27	39.9	0.4	40.9	0.8	139	22	39.9	0.4	2.4
12169CB_131	215	0.8	0.0488	0.0019	0.042	0.0016	0.0063	0.0001	0.06	40.2	0.6	41.8	1.5	295	43	40.2	0.6	3.8

Analysis	U (ppm)	U/Th	207Pb/ 206Pb	2σ error	207Pb/ 235U	2σ error	206Pb/ 238U	2σ error	err. corr.	206Pb/ 238U Age (Ma)	2σ error (Ma)	207Pb/ 235U Age (Ma)	2σ error (Ma)	207Pb/ 206Pb Age (Ma)	2σ error (Ma)	Best age (Ma)	2σ error (Ma)	Disc. (%)
NV12-176CB: Copper Basin																		
12176CB_1	1345	1.4	0.0488	0.0010	0.0471	0.0009	0.0070	0.00012	0.62	45.2	0.8	46.8	0.9	144	32	45.2	0.8	3.4
12176CB_2	218	1.2	0.0511	0.0023	0.0459	0.0021	0.0065	0.00010	0.05	42.0	0.6	45.5	2.0	303	80	42.0	0.6	7.8
12176CB_3	223	0.9	0.0480	0.0019	0.0448	0.0016	0.0068	0.00010	0.12	43.6	0.6	44.5	1.5	206	62	43.6	0.6	2.0
12176CB_4	6300	0.8	0.0485	0.0005	0.0403	0.0005	0.0060	0.00007	0.51	38.8	0.4	40.1	0.5	119	16	38.8	0.4	3.3
12176CB_5	2653	1.8	0.0475	0.0006	0.0395	0.0005	0.0060	0.00006	0.23	38.7	0.4	39.3	0.5	107	21	38.7	0.4	1.5
12176CB_6	5810	1.3	0.0472	0.0004	0.0396	0.0003	0.0061	0.00005	0.52	39.0	0.3	39.5	0.3	69	10	39.0	0.3	1.1
12176CB_7	160	0.6	0.0541	0.0038	0.0491	0.0038	0.0066	0.00027	0.24	42.4	1.7	48.7	3.7	385	90	42.4	1.7	12.9
12176CB_8	6094	1.0	0.0488	0.0005	0.0392	0.0004	0.0058	0.00005	0.27	37.6	0.3	39.0	0.4	144	17	37.6	0.3	3.6
12176CB_9	3314	2.0	0.0517	0.0008	0.0422	0.0007	0.0060	0.00009	0.29	38.3	0.6	41.9	0.6	274	19	38.3	0.6	8.7
12176CB_10	3003	1.7	0.0529	0.0007	0.0423	0.0005	0.0058	0.00005	0.36	37.4	0.3	42.1	0.5	333	24	37.4	0.3	11.2
12176CB_11	249	1.7	0.0473	0.0017	0.0405	0.0014	0.0063	0.00014	0.00	40.2	0.9	40.3	1.3	190	47	40.2	0.9	0.3
12176CB_12	207	1.5	0.0521	0.0024	0.0464	0.0020	0.0065	0.00013	0.19	41.5	0.8	46.1	1.9	362	60	41.5	0.8	9.9
12176CB_13	638	0.9	0.0496	0.0012	0.0458	0.0012	0.0067	0.00011	0.36	43.1	0.7	45.5	1.2	225	45	43.1	0.7	5.4
12176CB_14	628	2.5	0.0490	0.0006	0.1151	0.0012	0.0171	0.00018	0.23	109.4	1.1	110.6	1.1	159	19	109.4	1.1	1.1
12176CB_15	3940	1.3	0.0474	0.0005	0.0393	0.0004	0.0060	0.00005	0.50	38.7	0.3	39.1	0.4	78	10	38.7	0.3	1.2
12176CB_16	264	0.7	0.0535	0.0029	0.0457	0.0019	0.0063	0.00014	0.08	40.4	0.9	45.3	1.8	361	74	40.4	0.9	10.9
12176CB_17	493	2.4	0.0489	0.0008	0.1168	0.0019	0.0174	0.00023	0.01	111.0	1.5	112.1	1.7	153	24	111.0	1.5	1.0
12176CB_18	3630	1.5	0.0476	0.0005	0.0385	0.0004	0.0059	0.00005	0.35	37.7	0.3	38.3	0.4	81	14	37.7	0.3	1.6
12176CB_20	4970	1.7	0.0493	0.0007	0.0418	0.0004	0.0062	0.00008	0.35	39.6	0.5	41.6	0.4	161	23	39.6	0.5	4.9
12176CB_21	526	3.1	0.0496	0.0008	0.1150	0.0017	0.0169	0.00020	0.38	108.1	1.3	110.5	1.5	190	20	108.1	1.3	2.2
12176CB_22	613	1.7	0.0490	0.0007	0.1104	0.0017	0.0164	0.00014	0.25	105.1	0.9	106.3	1.5	161	20	105.1	0.9	1.1
12176CB_23	5190	1.2	0.0483	0.0005	0.0404	0.0004	0.0061	0.00007	0.63	38.9	0.5	40.2	0.4	123	11	38.9	0.5	3.3
12176CB_24	2900	2.4	0.0484	0.0005	0.0400	0.0005	0.0060	0.00006	0.46	38.7	0.4	39.8	0.5	115	16	38.7	0.4	2.7
12176CB_25	2120	2.0	0.0498	0.0007	0.0414	0.0007	0.0060	0.00008	0.46	38.6	0.5	41.1	0.6	193	20	38.6	0.5	6.2
12176CB_26	719	2.7	0.0487	0.0007	0.1071	0.0016	0.0161	0.00020	0.55	103.0	1.3	103.3	1.5	145	19	103.0	1.3	0.3
12176CB_27	3799	1.6	0.0473	0.0005	0.0372	0.0004	0.0057	0.00005	0.41	36.7	0.3	37.1	0.4	73	11	36.7	0.3	1.1
12176CB_28	609	2.8	0.0499	0.0009	0.1160	0.0025	0.0168	0.00019	0.19	107.7	1.2	111.4	2.3	212	34	107.7	1.2	3.3
12176CB_29	1324	1.2	0.0590	0.0011	0.0476	0.0009	0.0059	0.00006	0.18	37.6	0.4	47.2	0.9	599	31	37.6	0.4	20.3
12176CB_30	3528	1.8	0.0470	0.0005	0.0372	0.0003	0.0058	0.00004	0.39	37.0	0.2	37.1	0.3	82	13	37.0	0.2	0.1
12176CB_31	639	1.0	0.0494	0.0015	0.0446	0.0016	0.0066	0.00011	0.51	42.6	0.7	44.3	1.5	221	39	42.6	0.7	3.9
12176CB_32	4660	1.3	0.0471	0.0004	0.0379	0.0003	0.0059	0.00005	0.38	37.6	0.3	37.8	0.3	78	14	37.6	0.3	0.4
12176CB_33	4479	1.3	0.0472	0.0005	0.0385	0.0004	0.0059	0.00004	0.42	38.1	0.3	38.4	0.4	70	11	38.1	0.3	0.8
12176CB_34	6800	1.0	0.0471	0.0004	0.0376	0.0003	0.0058	0.00006	0.62	37.3	0.4	37.5	0.3	72	10	37.3	0.4	0.6
12176CB_35	5800	1.0	0.0478	0.0005	0.0385	0.0004	0.0058	0.00006	0.54	37.6	0.4	38.3	0.4	97	16	37.6	0.4	2.0
12176CB_36	186	0.9	0.0515	0.0023	0.0494	0.0022	0.0070	0.00021	0.06	44.7	1.3	49.0	2.1	325	63	44.7	1.3	8.8
12176CB_37	2827	1.8	0.0470	0.0005	0.0384	0.0003	0.0059	0.00005	0.22	38.0	0.3	38.3	0.3	60	10	38.0	0.3	0.7

12176CB_38	705	2.4	0.0484	0.0006	0.1094	0.0014	0.0164	0.00018	0.26	104.8	1.1	105.4	1.3	112	15	104.8	1.1	0.6
12176CB_39	153	0.7	0.0498	0.0010	0.1745	0.0031	0.0254	0.00029	0.14	161.4	1.8	163.2	2.7	217	31	161.4	1.8	1.1
12176CB_40	732	2.8	0.0500	0.0009	0.1117	0.0027	0.0163	0.00025	0.56	104.0	1.6	107.5	2.4	202	19	104.0	1.6	3.3
12176CB_43	3991	1.9	0.0517	0.0012	0.0426	0.0011	0.0059	0.00012	0.54	38.2	0.8	42.4	1.1	275	44	38.2	0.8	10.0
12176CB_44	981	1.8	0.0482	0.0005	0.1103	0.0014	0.0165	0.00019	0.58	105.6	1.2	106.3	1.3	118	18	105.6	1.2	0.7
12176CB_45	4710	1.3	0.0475	0.0004	0.0388	0.0004	0.0059	0.00005	0.25	38.2	0.3	38.7	0.3	82	14	38.2	0.3	1.3
12176CB_46	1430	2.1	0.0512	0.0009	0.1189	0.0019	0.0170	0.00020	0.52	108.3	1.3	114.1	1.7	243	26	108.3	1.3	5.1
12176CB_47	550	1.8	0.0534	0.0028	0.0494	0.0028	0.0066	0.00020	0.43	42.7	1.3	48.9	2.7	347	73	42.7	1.3	12.7
12176CB_48	5400	1.5	0.0479	0.0006	0.0393	0.0005	0.0059	0.00008	0.40	38.1	0.5	39.2	0.5	111	15	38.1	0.5	2.8
12176CB_49	140	1.2	0.0589	0.0043	0.0508	0.0036	0.0062	0.00011	0.00	39.7	0.7	50.2	3.4	522	69	39.7	0.7	20.9
12176CB_50	5690	1.1	0.0480	0.0004	0.0389	0.0004	0.0059	0.00006	0.67	37.6	0.4	38.7	0.4	103	13	37.6	0.4	2.8
12176CB_51	3264	1.5	0.0488	0.0007	0.0392	0.0004	0.0058	0.00005	0.44	37.3	0.4	39.0	0.4	145	20	37.3	0.4	4.2
12176CB_52	342	1.1	0.0514	0.0022	0.0451	0.0017	0.0064	0.00014	0.04	41.0	0.9	44.8	1.7	299	67	41.0	0.9	8.4
12176CB_53	5310	1.1	0.0505	0.0008	0.0421	0.0007	0.0060	0.00010	0.65	38.7	0.7	41.9	0.7	219	23	38.7	0.7	7.5
12176CB_54	5192	1.7	0.0476	0.0007	0.0378	0.0005	0.0058	0.00008	0.53	37.3	0.5	37.7	0.4	118	16	37.3	0.5	1.1
12176CB_55	3463	1.8	0.0472	0.0005	0.0370	0.0004	0.0057	0.00005	0.42	36.7	0.3	36.9	0.4	75	11	36.7	0.3	0.7
12176CB_56	769	1.9	0.0486	0.0007	0.1111	0.0017	0.0166	0.00024	0.53	106.4	1.5	106.9	1.6	125	18	106.4	1.5	0.5
12176CB_57	8570	0.9	0.0489	0.0008	0.0386	0.0008	0.0057	0.00009	0.59	36.8	0.6	38.5	0.7	148	34	36.8	0.6	4.3
12176CB_58	5520	1.0	0.0475	0.0004	0.0382	0.0003	0.0058	0.00006	0.56	37.4	0.4	38.0	0.3	81	12	37.4	0.4	1.5
12176CB_59	6090	0.9	0.0472	0.0004	0.0383	0.0003	0.0059	0.00004	0.50	37.8	0.3	38.1	0.3	68	10	37.8	0.3	1.0
12176CB_60	238	1.3	0.0500	0.0028	0.0425	0.0024	0.0062	0.00013	0.12	39.6	0.8	42.2	2.3	287	95	39.6	0.8	6.2
12176CB_61	4835	1.3	0.0474	0.0005	0.0372	0.0005	0.0057	0.00006	0.59	36.5	0.4	37.1	0.5	90	14	36.5	0.4	1.5
12176CB_62	5630	1.5	0.0472	0.0004	0.0379	0.0003	0.0058	0.00005	0.57	37.3	0.3	37.7	0.3	73	9	37.3	0.3	1.1
12176CB_63	6020	1.1	0.0474	0.0004	0.0378	0.0004	0.0058	0.00005	0.60	37.4	0.3	37.7	0.4	82	11	37.4	0.3	0.9
12176CB_64	539	1.6	0.0494	0.0018	0.0424	0.0017	0.0061	0.00012	0.33	39.5	0.8	42.2	1.6	186	42	39.5	0.8	6.4
12176CB_65	677	1.4	0.0479	0.0008	0.0399	0.0008	0.0061	0.00009	0.46	38.9	0.6	39.8	0.8	125	22	38.9	0.6	2.0
12176CB_66	5330	1.2	0.0491	0.0007	0.0385	0.0006	0.0057	0.00007	0.55	36.4	0.4	38.3	0.6	176	19	36.4	0.4	5.0
12176CB_67	421	3.5	0.0475	0.0007	0.1131	0.0014	0.0173	0.00017	0.13	110.2	1.1	108.7	1.3	106	17	110.2	1.1	1.4
12176CB_68	3250	1.8	0.0468	0.0005	0.0371	0.0004	0.0057	0.00005	0.49	36.9	0.3	37.0	0.4	63	11	36.9	0.3	0.2
12176CB_69	3353	1.7	0.0478	0.0006	0.0359	0.0004	0.0055	0.00006	0.50	35.3	0.4	35.9	0.4	98	15	35.3	0.4	1.7
12176CB_70	3060	2.4	0.0480	0.0005	0.0370	0.0004	0.0056	0.00004	0.54	36.1	0.3	36.8	0.4	100	13	36.1	0.3	2.1
12176CB_71	712	2.5	0.0507	0.0008	0.1145	0.0019	0.0164	0.00019	0.45	104.6	1.2	110.0	1.7	235	24	104.6	1.2	4.9
12176CB_72	3700	2.2	0.0487	0.0007	0.0388	0.0005	0.0058	0.00007	0.09	37.3	0.5	38.6	0.5	140	20	37.3	0.5	3.4
12176CB_73	841	0.3	0.0518	0.0016	0.0427	0.0013	0.0060	0.00012	0.26	38.4	0.8	42.4	1.3	296	53	38.4	0.8	9.5
12176CB_74	757	1.6	0.0479	0.0009	0.0386	0.0008	0.0059	0.00007	0.29	37.7	0.5	38.5	0.8	137	27	37.7	0.5	2.0
12176CB_75	794	2.6	0.0484	0.0006	0.1093	0.0016	0.0164	0.00018	0.52	104.8	1.2	105.3	1.5	135	16	104.8	1.2	0.5
12176CB_76	3470	1.5	0.0478	0.0005	0.0383	0.0004	0.0058	0.00005	0.35	37.2	0.3	38.1	0.4	104	16	37.2	0.3	2.4
12176CB_77	708	2.3	0.0501	0.0012	0.1100	0.0022	0.0159	0.00034	0.38	101.4	2.1	105.9	2.1	220	37	101.4	2.1	4.2
12176CB_78	3950	1.5	0.0470	0.0005	0.0376	0.0004	0.0058	0.00006	0.58	37.0	0.4	37.4	0.4	89	11	37.0	0.4	1.1
12176CB_79	3957	1.5	0.0474	0.0006	0.0367	0.0004	0.0056	0.00006	0.18	36.0	0.4	36.6	0.4	91	14	36.0	0.4	1.7
12176CB_80	641	2.3	0.0490	0.0009	0.1104	0.0020	0.0164	0.00026	0.39	104.5	1.7	106.3	1.8	165	27	104.5	1.7	1.7
12176CB_81	5280	1.1	0.0471	0.0004	0.0373	0.0003	0.0057	0.00006	0.65	36.9	0.4	37.2	0.3	68	11	36.9	0.4	0.8

12176CB_82	3226	1.6	0.0478	0.0005	0.0371	0.0004	0.0056	0.00005	0.65	35.8	0.3	36.9	0.4	101	13	35.8	0.3	3.0
12176CB_83	3732	1.8	0.0481	0.0005	0.0391	0.0004	0.0059	0.00005	0.25	37.7	0.3	38.9	0.4	107	16	37.7	0.3	3.1
12176CB_84	1091	1.1	0.0479	0.0008	0.0426	0.0006	0.0065	0.00010	0.46	41.6	0.6	42.3	0.6	129	21	41.6	0.6	1.8
12176CB_85	4440	1.5	0.0476	0.0005	0.0386	0.0003	0.0059	0.00005	0.34	37.7	0.3	38.5	0.3	85	13	37.7	0.3	2.1
12176CB_86	293	1.6	0.0497	0.0019	0.0400	0.0014	0.0060	0.00014	0.16	38.3	0.9	39.8	1.4	218	37	38.3	0.9	3.7
12176CB_87	5500	1.4	0.0482	0.0009	0.0394	0.0006	0.0059	0.00010	0.40	38.2	0.6	39.2	0.6	142	30	38.2	0.6	2.6
12176CB_88	4410	1.5	0.0489	0.0007	0.0385	0.0005	0.0057	0.00008	0.44	36.7	0.5	38.3	0.5	156	23	36.7	0.5	4.2
12176CB_89	478	1.2	0.0493	0.0019	0.0413	0.0014	0.0061	0.00014	0.25	39.2	0.9	41.1	1.3	240	42	39.2	0.9	4.7
12176CB_90	538	2.2	0.0501	0.0013	0.0412	0.0010	0.0059	0.00009	0.29	38.1	0.6	40.9	0.9	246	29	38.1	0.6	6.9
12176CB_91	3460	2.6	0.0480	0.0006	0.0380	0.0003	0.0057	0.00005	0.28	36.6	0.3	37.9	0.3	111	19	36.6	0.3	3.3
12176CB_92	2448	2.5	0.0476	0.0006	0.0371	0.0004	0.0056	0.00006	0.47	36.1	0.4	37.0	0.4	112	16	36.1	0.4	2.6
12176CB_93	2646	1.9	0.0473	0.0005	0.0368	0.0004	0.0057	0.00005	0.55	36.4	0.3	36.7	0.4	88	14	36.4	0.3	0.8
12176CB_94	1993	2.1	0.0469	0.0010	0.0391	0.0008	0.0060	0.00012	0.41	38.5	0.8	39.0	0.8	124	30	38.5	0.8	1.3
12176CB_95	4000	1.6	0.0481	0.0006	0.0386	0.0004	0.0058	0.00006	0.39	37.4	0.4	38.5	0.4	108	18	37.4	0.4	2.7
12176CB_96	6880	1.3	0.0514	0.0012	0.0412	0.0010	0.0058	0.00012	0.62	37.5	0.7	41.0	1.0	268	33	37.5	0.7	8.6
12176CB_97	5140	0.9	0.0508	0.0027	0.0409	0.0022	0.0056	0.00019	0.30	36.3	1.2	40.7	2.2	310	140	36.3	1.2	10.8
12176CB_98	2949	2.2	0.0474	0.0007	0.0380	0.0006	0.0058	0.00008	0.42	37.5	0.5	37.9	0.6	90	13	37.5	0.5	0.9
12176CB_99	553	3.0	0.0492	0.0017	0.1104	0.0032	0.0163	0.00056	0.15	103.9	3.6	106.3	2.9	198	53	103.9	3.6	2.3
12176CB_100	888	2.2	0.0509	0.0009	0.1600	0.0027	0.0225	0.00040	0.69	143.5	2.5	150.7	2.3	251	24	143.5	2.5	4.8
12176CB_101	396	2.0	0.0498	0.0023	0.0487	0.0020	0.0071	0.00014	0.12	45.6	0.9	48.3	1.9	299	62	45.6	0.9	5.7
12176CB_102	1470	1.7	0.0496	0.0015	0.0453	0.0017	0.0066	0.00021	0.59	42.5	1.4	45.0	1.6	217	47	42.5	1.4	5.6
12176CB_103	2954	1.5	0.0480	0.0007	0.0390	0.0004	0.0059	0.00004	0.28	38.0	0.3	38.9	0.4	90	24	38.0	0.3	2.2
12176CB_104	3140	1.8	0.0471	0.0006	0.0360	0.0004	0.0056	0.00005	0.14	35.7	0.3	36.0	0.4	85	12	35.7	0.3	0.7
12176CB_105	529	2.9	0.0485	0.0008	0.1121	0.0019	0.0167	0.00027	0.58	106.5	1.7	107.9	1.7	163	22	106.5	1.7	1.3
12176CB_106	206	0.9	0.0506	0.0020	0.0490	0.0018	0.0070	0.00011	0.10	45.0	0.7	48.6	1.7	270	42	45.0	0.7	7.4
12176CB_107	3129	1.9	0.0497	0.0010	0.0375	0.0008	0.0055	0.00007	0.40	35.1	0.4	37.4	0.7	180	27	35.1	0.4	6.2
12176CB_108	671	2.6	0.0486	0.0005	0.1061	0.0011	0.0158	0.00017	0.52	101.3	1.1	102.4	1.0	134	13	101.3	1.1	1.1
12176CB_109	307	1.2	0.0468	0.0020	0.0443	0.0016	0.0069	0.00013	0.04	44.4	0.8	44.0	1.5	179	49	44.4	0.8	1.0
12176CB_110	4310	1.6	0.0489	0.0008	0.0350	0.0007	0.0051	0.00005	0.31	33.0	0.3	34.9	0.6	143	28	33.0	0.3	5.5
12176CB_111	3946	2.2	0.0477	0.0005	0.0369	0.0003	0.0056	0.00006	0.30	36.0	0.4	36.8	0.3	105	16	36.0	0.4	2.3
12176CB_112	603	2.5	0.0485	0.0006	0.1062	0.0016	0.0159	0.00016	0.48	101.5	1.0	102.4	1.5	143	16	101.5	1.0	0.9
12176CB_113	5900	1.5	0.0472	0.0006	0.0358	0.0005	0.0055	0.00007	0.50	35.1	0.5	35.7	0.4	116	18	35.1	0.5	1.8
12176CB_114	137	1.6	0.0519	0.0031	0.0461	0.0025	0.0065	0.00012	0.17	41.4	0.8	45.7	2.5	368	89	41.4	0.8	9.4
12176CB_115	580	1.6	0.0499	0.0013	0.0398	0.0011	0.0058	0.00007	0.37	37.2	0.5	39.6	1.1	218	35	37.2	0.5	6.1
12176CB_116	231	1.0	0.0488	0.0013	0.0418	0.0009	0.0063	0.00010	0.22	40.2	0.6	41.5	0.9	192	27	40.2	0.6	3.2
12176CB_117	2595	2.1	0.0503	0.0020	0.0383	0.0011	0.0056	0.00009	0.18	35.8	0.6	38.2	1.1	192	41	35.8	0.6	6.3
12176CB_119	757	2.1	0.0480	0.0006	0.1065	0.0014	0.0160	0.00017	0.44	102.3	1.1	102.8	1.3	109	15	102.3	1.1	0.5
12176CB_120	547	1.8	0.0501	0.0013	0.1099	0.0023	0.0158	0.00031	0.17	101.0	1.9	105.8	2.1	193	45	101.0	1.9	4.5
12176CB_121	208	0.9	0.0530	0.0022	0.0465	0.0020	0.0062	0.00016	0.27	40.0	1.0	46.1	2.0	420	67	40.0	1.0	13.2
12176CB_122	2298	1.7	0.0494	0.0010	0.0384	0.0007	0.0056	0.00010	0.33	36.3	0.6	38.3	0.7	227	33	36.3	0.6	5.1
12176CB_123	555	1.2	0.0462	0.0017	0.0433	0.0015	0.0067	0.00013	0.02	43.3	0.8	43.0	1.4	132	60	43.3	0.8	0.6
12176CB_124	2207	1.9	0.0477	0.0006	0.0361	0.0005	0.0055	0.00006	0.55	35.5	0.4	36.0	0.5	108	20	35.5	0.4	1.4

Analysis	U	207Pb/206Pb	207Pb/235U	2σ error	206Pb/238U	2σ error	err. corr.	206Pb/238U Age (Ma)	2σ error (Ma)	207Pb/235U Age (Ma)	2σ error (Ma)	207Pb/206Pb Age (Ma)	2σ error (Ma)	Best age (Ma)	2σ error (Ma)	Disc. (%)		
	(ppm)	U/Th																
NV12-181CB: Copper Basin																		
12181CB_1	130	1.1	0.0529	0.0027	0.0408	0.0017	0.0056	0.0001	0.16	35.9	0.8	40.5	1.7	330	110	35.9	0.8	11.3
12181CB_2	350	1.1	0.0481	0.0013	0.0417	0.0011	0.0059	0.0001	0.46	38.1	0.7	41.5	1.1	106	57	38.1	0.7	8.3
12181CB_3	153	1.1	0.0543	0.0031	0.0447	0.0025	0.0060	0.0001	0.11	38.8	0.8	44.3	2.4	340	110	38.8	0.8	12.5
12181CB_4	220	1.1	0.0459	0.0016	0.0386	0.0012	0.0061	0.0001	0.17	39.3	0.8	38.4	1.2	10	68	39.3	0.8	2.4
12181CB_5	202	0.7	0.0466	0.0015	0.0390	0.0013	0.0060	0.0001	0.27	38.8	0.7	38.9	1.3	38	64	38.8	0.7	0.3
12181CB_6	233	0.9	0.0507	0.0014	0.0423	0.0011	0.0060	0.0001	0.28	38.5	0.6	42.1	1.0	226	60	38.5	0.6	8.6
12181CB_7	440	1.1	0.0466	0.0009	0.0438	0.0009	0.0065	0.0001	0.45	42.1	0.6	43.5	0.9	43	41	42.1	0.6	3.3
12181CB_8	175	1.9	0.0465	0.0016	0.0384	0.0012	0.0061	0.0001	0.10	39.0	0.8	38.2	1.2	42	69	39.0	0.8	2.1
12181CB_9	249	1.1	0.0492	0.0017	0.0406	0.0014	0.0060	0.0001	0.29	38.3	0.9	40.3	1.4	149	69	38.3	0.9	5.0
12181CB_10	260	1.5	0.0544	0.0026	0.0471	0.0024	0.0063	0.0002	0.34	40.6	1.0	46.7	2.3	400	110	40.6	1.0	13.0
12181CB_11	294	1.1	0.0503	0.0018	0.0461	0.0015	0.0064	0.0001	0.14	41.0	0.8	45.8	1.4	211	82	41.0	0.8	10.6
12181CB_12	431	1.0	0.0629	0.0023	0.0553	0.0018	0.0064	0.0001	0.26	41.4	0.5	54.7	1.8	701	81	41.4	0.5	24.3
12181CB_13	748	1.0	0.0540	0.0010	0.0513	0.0010	0.0066	0.0001	0.35	42.6	0.6	50.8	1.0	369	39	42.6	0.6	16.1
12181CB_14	598	0.8	0.0552	0.0011	0.0507	0.0010	0.0064	0.0001	0.44	41.0	0.5	50.2	1.0	413	44	41.0	0.5	18.3
12181CB_16	355	1.1	0.0485	0.0012	0.0448	0.0011	0.0066	0.0001	0.38	42.5	0.7	44.5	1.1	133	54	42.5	0.7	4.6
12181CB_17	258	1.5	0.0598	0.0053	0.0576	0.0058	0.0070	0.0004	0.35	44.9	2.7	56.8	5.5	540	190	44.9	2.7	21.0
12181CB_18	209	1.1	0.0507	0.0017	0.0425	0.0014	0.0060	0.0001	0.25	38.7	0.6	42.2	1.4	233	73	38.7	0.6	8.2
12181CB_19	200	1.4	0.0489	0.0016	0.0417	0.0014	0.0062	0.0001	0.22	39.9	0.6	41.5	1.4	141	68	39.9	0.6	3.8
12181CB_20	257	0.7	0.0558	0.0046	0.0474	0.0032	0.0062	0.0001	0.11	40.1	0.7	47.0	3.1	330	100	40.1	0.7	14.8
12181CB_22	514	0.9	0.0500	0.0009	0.0465	0.0010	0.0068	0.0001	0.59	43.5	0.7	46.2	1.0	195	39	43.5	0.7	6.0
12181CB_23	208	1.2	0.0602	0.0028	0.0550	0.0031	0.0065	0.0001	0.45	41.9	0.8	54.3	3.0	545	87	41.9	0.8	22.8
12181CB_24	235	1.2	0.0473	0.0015	0.0396	0.0011	0.0060	0.0001	0.16	38.7	0.6	39.5	1.1	74	62	38.7	0.6	2.0
12181CB_26	673	0.9	0.0517	0.0013	0.0479	0.0020	0.0065	0.0002	0.67	41.7	1.1	47.5	1.9	261	56	41.7	1.1	12.2
12181CB_27	248	1.1	0.0506	0.0032	0.0435	0.0025	0.0062	0.0001	0.09	39.8	0.7	43.2	2.4	200	120	39.8	0.7	7.9
12181CB_28	242	1.0	0.0488	0.0020	0.0425	0.0018	0.0063	0.0001	0.34	40.7	0.6	42.2	1.8	136	82	40.7	0.6	3.6
12181CB_29	274	1.0	0.0528	0.0032	0.0440	0.0024	0.0062	0.0002	0.24	39.5	0.9	43.7	2.4	290	130	39.5	0.9	9.6
12181CB_30	271	0.8	0.0517	0.0024	0.0456	0.0017	0.0065	0.0002	0.22	41.5	1.0	45.2	1.7	252	99	41.5	1.0	8.2
12181CB_31	247	1.2	0.0497	0.0038	0.0396	0.0030	0.0056	0.0002	0.38	35.9	1.4	39.5	2.9	180	160	35.9	1.4	9.1
12181CB_32	394	0.8	0.0475	0.0018	0.0417	0.0016	0.0061	0.0001	0.33	39.4	0.6	41.4	1.6	80	78	39.4	0.6	4.9
12181CB_33	228	1.0	0.0499	0.0024	0.0427	0.0019	0.0063	0.0001	0.14	40.3	0.8	42.5	1.8	177	97	40.3	0.8	5.3
12181CB_34	217	0.8	0.0651	0.0028	0.0571	0.0025	0.0063	0.0001	0.25	40.5	0.8	56.4	2.4	768	94	40.5	0.8	28.2
12181CB_35	354	1.1	0.0510	0.0016	0.0459	0.0013	0.0065	0.0001	0.01	41.7	0.8	45.6	1.3	235	68	41.7	0.8	8.6
12181CB_36	180	1.0	0.0470	0.0017	0.0410	0.0014	0.0063	0.0001	0.02	40.5	0.6	40.8	1.4	64	73	40.5	0.6	0.7
12181CB_37	250	1.3	0.0491	0.0020	0.0418	0.0011	0.0063	0.0001	0.10	40.2	0.8	41.6	1.1	126	72	40.2	0.8	3.5
12181CB_38	536	1.2	0.0534	0.0020	0.0463	0.0018	0.0064	0.0002	0.16	40.8	1.1	45.9	1.8	345	81	40.8	1.1	11.1
12181CB_40	287	0.7	0.0466	0.0014	0.0400	0.0011	0.0059	0.0001	0.06	38.1	0.6	39.8	1.1	44	60	38.1	0.6	4.3
12181CB_41	521	0.8	0.0531	0.0011	0.0483	0.0011	0.0066	0.0001	0.30	42.2	0.6	47.9	1.1	326	48	42.2	0.6	11.9

12181CB_42	171	1.0	0.0475	0.0029	0.0391	0.0013	0.0062	0.0001	0.11	39.8	0.7	39.0	1.3	34	74	39.8	0.7	1.9
12181CB_43	561	1.0	0.0520	0.0016	0.0477	0.0014	0.0066	0.0001	0.34	42.6	0.9	47.4	1.3	272	68	42.6	0.9	10.2
12181CB_44	261	0.9	0.0503	0.0014	0.0430	0.0011	0.0062	0.0001	0.23	40.0	0.7	42.8	1.1	195	59	40.0	0.7	6.5
12181CB_45	191	1.2	0.0516	0.0030	0.0401	0.0021	0.0059	0.0001	0.31	37.7	0.9	39.9	2.1	270	130	37.7	0.9	5.5
12181CB_46	274	1.1	0.0474	0.0013	0.0432	0.0011	0.0065	0.0001	0.33	41.9	0.8	43.0	1.1	78	55	41.9	0.8	2.5
12181CB_47	289	1.0	0.0466	0.0012	0.0405	0.0011	0.0063	0.0001	0.46	40.6	0.8	40.3	1.0	42	52	40.6	0.8	0.7
12181CB_48	304	1.0	0.0480	0.0017	0.0434	0.0016	0.0066	0.0001	0.30	42.7	0.8	43.1	1.6	94	66	42.7	0.8	1.0
12181CB_49	226	0.9	0.0485	0.0017	0.0429	0.0016	0.0064	0.0001	0.17	40.9	0.7	42.6	1.6	107	64	40.9	0.7	3.9
12181CB_50	191	1.1	0.0504	0.0019	0.0436	0.0017	0.0062	0.0001	0.09	40.0	0.7	43.3	1.6	231	83	40.0	0.7	7.6
12181CB_51	427	0.8	0.0508	0.0020	0.0417	0.0015	0.0062	0.0001	0.56	40.0	0.8	41.5	1.5	217	85	40.0	0.8	3.7
12181CB_52	183	1.3	0.0474	0.0016	0.0398	0.0012	0.0062	0.0001	0.19	39.6	0.6	39.7	1.2	78	68	39.6	0.6	0.2
12181CB_53	301	0.6	0.0624	0.0020	0.0554	0.0017	0.0065	0.0001	0.02	41.6	0.6	54.7	1.6	683	69	41.6	0.6	23.9
12181CB_54	190	1.1	0.0463	0.0020	0.0377	0.0016	0.0059	0.0001	0.11	38.2	0.7	37.6	1.5	31	85	38.2	0.7	1.5
12181CB_55	287	1.0	0.0467	0.0012	0.0423	0.0010	0.0064	0.0001	0.02	41.4	0.6	42.0	1.0	45	51	41.4	0.6	1.4
12181CB_56	349	1.0	0.0511	0.0015	0.0455	0.0012	0.0066	0.0001	0.34	42.3	0.6	45.4	1.2	235	63	42.3	0.6	6.9
12181CB_57	286	1.0	0.0503	0.0018	0.0442	0.0014	0.0064	0.0001	0.10	40.8	0.7	43.9	1.3	196	73	40.8	0.7	7.1
12181CB_58	227	1.1	0.0498	0.0017	0.0412	0.0014	0.0061	0.0001	0.16	39.1	0.5	41.0	1.3	180	71	39.1	0.5	4.7
12181CB_59	557	1.3	0.0490	0.0009	0.0441	0.0009	0.0065	0.0001	0.36	41.8	0.7	43.8	0.9	144	42	41.8	0.7	4.6
12181CB_60	287	0.8	0.0503	0.0012	0.0419	0.0010	0.0060	0.0001	0.22	38.5	0.5	41.7	1.0	216	53	38.5	0.5	7.7
12181CB_61	1350	0.7	0.0512	0.0012	0.0462	0.0010	0.0063	0.0001	0.19	40.4	0.5	45.8	1.0	243	54	40.4	0.5	11.8
12181CB_62	195	1.2	0.0524	0.0021	0.0436	0.0016	0.0061	0.0001	0.05	39.2	0.6	43.3	1.6	279	82	39.2	0.6	9.5
12181CB_63	343	1.4	0.0477	0.0010	0.0437	0.0008	0.0067	0.0001	0.27	43.0	0.6	43.5	0.8	89	44	43.0	0.6	1.0
12181CB_64	301	1.5	0.0526	0.0028	0.0447	0.0021	0.0063	0.0001	0.11	40.7	0.9	44.4	2.1	290	110	40.7	0.9	8.4
12181CB_65	230	0.9	0.0482	0.0016	0.0403	0.0012	0.0061	0.0001	0.02	39.1	0.6	40.3	1.2	120	67	39.1	0.6	3.0
12181CB_66	283	1.1	0.0515	0.0020	0.0418	0.0017	0.0059	0.0001	0.30	38.0	0.9	41.6	1.7	275	86	38.0	0.9	8.8
12181CB_67	188	0.9	0.0526	0.0028	0.0426	0.0024	0.0059	0.0001	0.09	37.6	0.7	42.3	2.4	280	110	37.6	0.7	11.1
12181CB_68	223	1.1	0.0493	0.0015	0.0410	0.0012	0.0061	0.0001	0.06	38.9	0.6	40.8	1.2	143	61	38.9	0.6	4.6
12181CB_69	296	0.9	0.0644	0.0025	0.0552	0.0021	0.0063	0.0001	0.07	40.3	0.8	54.6	2.0	740	79	40.3	0.8	26.2
12181CB_70	231	1.0	0.0516	0.0015	0.0400	0.0012	0.0056	0.0001	0.18	35.9	0.5	39.8	1.2	271	68	35.9	0.5	9.7
12181CB_71	344	1.0	0.0481	0.0015	0.0413	0.0011	0.0060	0.0001	0.21	38.8	0.8	41.1	1.1	107	62	38.8	0.8	5.6
12181CB_72	197	1.0	0.0464	0.0017	0.0394	0.0015	0.0063	0.0001	0.31	40.2	0.7	39.3	1.4	34	73	40.2	0.7	2.3
12181CB_73	940	0.7	0.0468	0.0008	0.0434	0.0008	0.0068	0.0001	0.57	43.6	0.6	43.1	0.8	43	35	43.6	0.6	1.2
12181CB_74	246	1.1	0.0521	0.0027	0.0437	0.0019	0.0061	0.0001	0.15	39.3	0.8	43.4	1.9	280	110	39.3	0.8	9.5
12181CB_75	739	1.0	0.0479	0.0013	0.0410	0.0010	0.0060	0.0001	0.07	38.6	0.5	40.8	1.0	93	55	38.6	0.5	5.5
12181CB_76	606	0.7	0.0517	0.0010	0.0462	0.0010	0.0062	0.0001	0.45	40.1	0.6	45.9	1.0	265	44	40.1	0.6	12.7
12181CB_77	258	1.3	0.0478	0.0018	0.0412	0.0015	0.0063	0.0002	0.23	40.4	0.9	40.9	1.5	98	76	40.4	0.9	1.2
12181CB_78	340	0.5	0.0598	0.0026	0.0510	0.0018	0.0063	0.0001	0.18	40.4	0.8	50.5	1.7	563	96	40.4	0.8	19.9
12181CB_80	179	1.1	0.0524	0.0034	0.0439	0.0028	0.0061	0.0001	0.04	39.3	0.6	43.6	2.7	199	86	39.3	0.6	9.8
12181CB_81	130	0.9	0.0482	0.0020	0.0418	0.0017	0.0062	0.0001	0.19	40.1	0.8	41.5	1.6	117	82	40.1	0.8	3.5
12181CB_82	192	0.9	0.0485	0.0016	0.0400	0.0012	0.0061	0.0001	0.01	39.1	0.7	39.8	1.2	127	67	39.1	0.7	1.8
12181CB_83	395	1.0	0.0563	0.0029	0.0528	0.0028	0.0065	0.0002	0.40	42.0	1.1	52.2	2.7	490	110	42.0	1.1	19.5
12181CB_84	222	1.0	0.0487	0.0019	0.0404	0.0013	0.0060	0.0001	0.13	38.8	0.6	40.2	1.3	129	78	38.8	0.6	3.6

12181CB_85	242	1.3	0.0477	0.0014	0.0417	0.0013	0.0064	0.0001	0.31	41.0	0.8	41.7	1.3	90	60	41.0	0.8	1.8
12181CB_86	169	1.1	0.0484	0.0017	0.0400	0.0013	0.0061	0.0001	0.17	39.3	0.6	40.0	1.3	121	73	39.3	0.6	1.8
12181CB_87	232	1.0	0.0469	0.0015	0.0403	0.0012	0.0063	0.0001	0.17	40.5	0.6	40.1	1.2	58	63	40.5	0.6	0.9
12181CB_88	188	1.0	0.0486	0.0026	0.0401	0.0018	0.0061	0.0001	0.12	39.0	0.8	39.9	1.8	120	100	39.0	0.8	2.3
12181CB_89	159	0.9	0.0506	0.0022	0.0401	0.0016	0.0058	0.0001	0.00	37.2	0.6	39.9	1.6	224	86	37.2	0.6	6.7
12181CB_90	257	1.0	0.0467	0.0012	0.0399	0.0010	0.0061	0.0001	0.11	39.3	0.6	39.7	1.0	40	51	39.3	0.6	1.1
12181CB_91	176	1.0	0.0493	0.0024	0.0400	0.0016	0.0060	0.0001	0.04	38.6	0.7	39.8	1.6	149	98	38.6	0.7	3.1
12181CB_92	173	0.9	0.0507	0.0026	0.0429	0.0018	0.0058	0.0001	0.10	37.4	0.8	42.6	1.8	250	110	37.4	0.8	12.1
12181CB_93	268	1.2	0.0485	0.0027	0.0423	0.0029	0.0059	0.0001	0.13	38.0	0.5	41.1	2.1	78	76	38.0	0.5	7.6
12181CB_94	135	1.4	0.0478	0.0017	0.0374	0.0015	0.0057	0.0001	0.29	36.4	0.7	37.2	1.5	96	74	36.4	0.7	2.1
12181CB_95	259	0.9	0.0489	0.0016	0.0418	0.0016	0.0062	0.0001	0.48	39.9	0.7	41.5	1.6	150	70	39.9	0.7	3.8
12181CB_96	160	1.1	0.0468	0.0019	0.0388	0.0014	0.0061	0.0001	0.07	38.9	0.8	38.6	1.4	39	75	38.9	0.8	0.8
12181CB_97	148	1.4	0.0592	0.0050	0.0485	0.0042	0.0060	0.0001	0.20	38.5	0.7	48.0	4.0	470	160	38.5	0.7	19.9
12181CB_98	201	1.0	0.0461	0.0017	0.0380	0.0013	0.0060	0.0001	0.05	38.4	0.6	37.8	1.3	34	73	38.4	0.6	1.7
12181CB_99	95	1.5	0.0538	0.0049	0.0423	0.0022	0.0060	0.0001	0.15	38.2	0.9	42.0	2.1	240	110	38.2	0.9	9.0
12181CB_100	252	1.0	0.0482	0.0019	0.0399	0.0017	0.0059	0.0001	0.03	38.2	0.6	39.7	1.6	110	82	38.2	0.6	3.8
12181CB_101	232	1.0	0.0479	0.0018	0.0397	0.0013	0.0061	0.0001	0.00	38.9	0.7	39.5	1.2	84	72	38.9	0.7	1.5
12181CB_102	645	0.6	0.0484	0.0009	0.0411	0.0009	0.0061	0.0001	0.31	39.3	0.4	40.9	0.9	120	41	39.3	0.4	3.7
12181CB_103	162	1.0	0.0477	0.0016	0.0402	0.0013	0.0061	0.0001	0.25	39.2	0.7	40.0	1.3	91	67	39.2	0.7	2.1
12181CB_104	218	1.2	0.0489	0.0016	0.0415	0.0013	0.0062	0.0001	0.28	39.5	0.5	41.3	1.3	141	68	39.5	0.5	4.3
12181CB_105	216	1.2	0.0500	0.0019	0.0415	0.0017	0.0060	0.0001	0.26	38.3	0.6	41.3	1.7	210	84	38.3	0.6	7.3
12181CB_106	672	0.7	0.0488	0.0010	0.0447	0.0009	0.0066	0.0001	0.44	42.2	0.7	44.4	0.9	130	43	42.2	0.7	4.9
12181CB_107	646	0.9	0.0559	0.0015	0.0475	0.0014	0.0061	0.0001	0.19	39.5	0.5	47.1	1.4	431	58	39.5	0.5	16.1
12181CB_108	400	0.5	0.0597	0.0025	0.0541	0.0023	0.0064	0.0001	0.04	40.8	0.7	53.4	2.2	574	93	40.8	0.7	23.6
12181CB_109	304	0.8	0.0648	0.0024	0.0567	0.0019	0.0063	0.0001	0.01	40.7	0.7	56.0	1.9	750	75	40.7	0.7	27.4
12181CB_110	128	1.2	0.0487	0.0024	0.0402	0.0017	0.0060	0.0001	0.05	38.4	0.8	40.2	1.7	146	89	38.4	0.8	4.6
12181CB_111	265	1.0	0.0520	0.0025	0.0436	0.0023	0.0061	0.0001	0.18	38.9	0.7	43.3	2.2	263	99	38.9	0.7	10.3
12181CB_112	289	1.5	0.0520	0.0036	0.0453	0.0030	0.0063	0.0002	0.24	40.3	1.0	45.0	2.9	260	140	40.3	1.0	10.4
12181CB_113	255	1.3	0.0499	0.0025	0.0429	0.0018	0.0063	0.0001	0.06	40.4	0.9	42.6	1.7	151	81	40.4	0.9	5.2
12181CB_115	181	0.9	0.0484	0.0016	0.0401	0.0013	0.0061	0.0001	0.23	39.1	0.8	39.9	1.2	120	66	39.1	0.8	2.1
12181CB_116	186	1.2	0.0513	0.0020	0.0427	0.0013	0.0061	0.0001	0.01	39.1	0.9	42.4	1.3	237	83	39.1	0.9	7.7
12181CB_117	353	1.3	0.0479	0.0015	0.0419	0.0012	0.0062	0.0001	0.16	39.7	0.6	41.7	1.2	100	66	39.7	0.6	4.8
12181CB_118	229	1.3	0.0492	0.0017	0.0429	0.0013	0.0064	0.0001	0.12	41.0	0.6	42.9	1.3	162	72	41.0	0.6	4.5
12181CB_119	326	1.2	0.0498	0.0017	0.0419	0.0015	0.0059	0.0001	0.23	37.7	0.7	41.7	1.5	181	72	37.7	0.7	9.5
12181CB_120	171	0.8	0.0527	0.0037	0.0465	0.0032	0.0063	0.0001	0.13	40.2	0.8	46.1	3.1	290	140	40.2	0.8	12.9
12181CB_121	339	1.3	0.0469	0.0010	0.0406	0.0010	0.0060	0.0001	0.23	38.5	0.5	40.4	0.9	53	45	38.5	0.5	4.7
12181CB_122	178	1.8	0.1097	0.0023	4.0330	0.0870	0.2679	0.0029	0.12	1530.0	15.0	1640.0	17.0	1792	36	1792.0	36.0	14.6
12181CB_123	200	1.6	0.0481	0.0022	0.0410	0.0016	0.0062	0.0001	0.04	40.1	0.7	40.8	1.5	102	92	40.1	0.7	1.7
12181CB_124	1100	14.1	0.0470	0.0012	0.0403	0.0012	0.0063	0.0001	0.46	40.2	0.8	40.1	1.2	39	46	40.2	0.8	0.3
12181CB_125	298	1.3	0.0481	0.0014	0.0408	0.0011	0.0062	0.0001	0.34	39.7	0.8	40.5	1.1	106	60	39.7	0.8	2.0
12181CB_126	305	1.0	0.0474	0.0016	0.0421	0.0012	0.0065	0.0001	0.06	41.8	0.7	41.9	1.2	64	63	41.8	0.7	0.2
12181CB_127	258	0.9	0.0517	0.0024	0.0456	0.0017	0.0063	0.0001	0.12	40.4	0.9	45.3	1.6	280	100	40.4	0.9	10.8

12181CB_128	173	1.1	0.0496	0.0023	0.0408	0.0018	0.0060	0.0001	0.09	38.5	0.6	40.6	1.7	138	82	38.5	0.6	5.1
12181CB_129	249	1.3	0.0521	0.0036	0.0438	0.0030	0.0063	0.0002	0.39	40.3	1.0	43.5	2.9	240	130	40.3	1.0	7.4
12181CB_130	276	1.1	0.0480	0.0014	0.0432	0.0013	0.0066	0.0001	0.29	42.7	0.6	42.9	1.3	89	61	42.7	0.6	0.6

Analysis	U (ppm)	U/Th	207Pb/ 206Pb	2σ error	207Pb/ 235U	2σ error	206Pb/ 238U	2σ error	err. corr.	206Pb/ 238U Age (Ma)	2σ error (Ma)	207Pb/ 235U Age (Ma)	2σ error (Ma)	207Pb/ 206Pb Age (Ma)	2σ error (Ma)	Best age (Ma)	2σ error (Ma)	Disc. (%)
000714-1																		
000714-1_3	940	7.4	0.0507	0.0014	0.1906	0.0068	0.0277	0.0006	0.24	175.8	3.6	176.9	5.8	182	74	175.8	3.6	0.6
000714-1_4	445	6.2	0.0643	0.0016	0.1709	0.0067	0.0251	0.0004	0.04	159.6	2.2	159.6	5.7	163	76	159.6	2.2	0.0
000714-1_6	595	10.0	0.0499	0.0018	0.1151	0.0045	0.0174	0.0003	0.27	110.9	1.7	110.3	4.0	113	79	110.9	1.7	0.5
000714-1_7	9400	10.4	0.0497	0.0019	0.1240	0.0034	0.0183	0.0005	0.14	117.1	3.0	118.6	3.0	156	55	117.1	3.0	1.3
000714-1_8	668	7.9	0.0594	0.0021	0.1147	0.0042	0.0170	0.0002	0.28	108.6	1.5	110.0	3.9	139	73	108.6	1.5	1.3
000714-1_9	936	10.3	0.0483	0.0020	0.1097	0.0034	0.0163	0.0002	0.36	104.2	1.4	105.5	3.1	138	62	104.2	1.4	1.2
000714-1_10	783	10.3	0.0492	0.0013	0.1223	0.0037	0.0182	0.0003	0.50	116.5	1.7	116.9	3.3	140	60	116.5	1.7	0.3
000714-1_11	1620	10.4	0.0488	0.0018	0.1208	0.0034	0.0176	0.0002	0.24	112.4	1.3	116.1	3.1	197	62	112.4	1.3	3.2
000714-1_12	3560	9.7	0.0487	0.0015	0.1881	0.0046	0.0273	0.0005	0.23	173.6	2.9	174.7	3.9	188	49	173.6	2.9	0.6
000714-1_13	1110	8.0	0.0489	0.0015	0.1147	0.0042	0.0173	0.0003	0.27	110.5	1.9	109.3	3.6	82	62	110.5	1.9	1.1
000714-1_14	516	5.4	0.0500	0.0015	0.1780	0.0110	0.0247	0.0008	0.23	157.5	4.9	165.7	9.3	270	130	157.5	4.9	4.9
000714-1_15	738	5.4	0.0501	0.0012	0.1693	0.0049	0.0246	0.0003	0.26	156.6	2.1	158.4	4.2	185	61	156.6	2.1	1.1
000714-1_16	933	7.9	0.0476	0.0015	0.1146	0.0033	0.0172	0.0002	0.21	109.7	1.4	110.0	3.0	123	58	109.7	1.4	0.3
000714-1_17	709	7.9	0.0524	0.0034	0.1841	0.0079	0.0262	0.0006	0.29	166.6	3.9	172.7	7.2	228	87	166.6	3.9	3.5
000714-1_18	836	8.9	0.0499	0.0015	0.1178	0.0036	0.0178	0.0002	0.32	113.6	1.5	112.9	3.2	120	65	113.6	1.5	0.6
000714-1_19	548	5.4	0.0547	0.0020	0.1863	0.0069	0.0248	0.0004	0.18	157.7	2.4	173.1	5.9	365	80	157.7	2.4	8.9

Analysis	U (ppm)	U/Th	207Pb/ 206Pb	2σ error	207Pb/ 235U	2σ error	206Pb/ 238U	2σ error	err. corr.	206Pb/ 238U Age (Ma)	2σ error (Ma)	207Pb/ 235U Age (Ma)	2σ error (Ma)	207Pb/ 206Pb Age (Ma)	2σ error (Ma)	Best age (Ma)	2σ error (Ma)	Disc. (%)
980730-5																		
980730-5_2	1125	23.4	0.0489	0.0014	0.1106	0.0029	0.0165	0.0003	0.41	175.8	3.6	106.4	2.7	182	74	175.8	3.6	0.6
980730-5_3	995	21.6	0.0474	0.0016	0.1077	0.0036	0.0166	0.0005	0.39	159.6	2.2	103.7	3.3	163	76	159.6	2.2	0.0
980730-5_4	1107	21.3	0.0505	0.0019	0.1127	0.0043	0.0164	0.0005	0.25	110.9	1.7	108.6	4.1	113	79	110.9	1.7	0.5
980730-5_5	1370	12.5	0.0499	0.0014	0.1209	0.0034	0.0178	0.0004	0.37	117.1	3.0	115.8	3.1	156	55	117.1	3.0	1.3
980730-5_6	840	21.9	0.0477	0.0015	0.1086	0.0030	0.0166	0.0003	0.41	108.6	1.5	104.6	2.8	139	73	108.6	1.5	1.3
980730-5_8	1220	33.5	0.0687	0.0033	0.1154	0.0039	0.0171	0.0002	0.36	104.2	1.4	110.7	3.6	138	62	104.2	1.4	1.2
980730-5_9	1337	20.9	0.0493	0.0017	0.1139	0.0031	0.0170	0.0003	0.13	116.5	1.7	109.7	2.7	140	60	116.5	1.7	0.3
980730-5_10	1491	22.9	0.0491	0.0014	0.1257	0.0034	0.0176	0.0003	0.36	112.4	1.3	120.1	3.1	197	62	112.4	1.3	3.2
980730-5_11	778	30.0	0.0519	0.0014	0.1123	0.0046	0.0174	0.0003	0.30	173.6	2.9	107.7	4.2	188	49	173.6	2.9	0.6
980730-5_12	911	19.5	0.0469	0.0019	0.1133	0.0045	0.0161	0.0005	0.12	110.5	1.9	108.7	4.1	82	62	110.5	1.9	1.1

980730-5_15	610	10.8	0.0514	0.0019	0.1321	0.0058	0.0183	0.0004	0.35	157.5	4.9	126.5	5.4	270	130	157.5	4.9	4.9
980730-5_16	1176	12.0	0.0525	0.0036	0.1076	0.0036	0.0159	0.0004	0.30	156.6	2.1	103.6	3.3	185	61	156.6	2.1	1.1
980730-5_18	1089	9.9	0.0532	0.0023	0.1130	0.0036	0.0164	0.0003	0.30	109.7	1.4	108.5	3.3	123	58	109.7	1.4	0.3

Analysis	U (ppm)	U/Th	207Pb/ 206Pb	2σ error	207Pb/ 235U	2σ error	206Pb/ 238U	2σ error	err. corr.	206Pb/ 238U Age (Ma)	2σ error (Ma)	207Pb/ 235U Age (Ma)	2σ error (Ma)	207Pb/ 206Pb Age (Ma)	2σ error (Ma)	Best age (Ma)	2σ error (Ma)	2σ Disc. (%)
980731-2																		
980731-2_1	721	13.2	0.0485	0.0016	0.1157	0.0037	0.0173	0.0002	0.26	110.6	1.2	110.9	3.4	131	65	110.6	1.2	0.3
980731-2_2	1128	11.0	0.0474	0.0014	0.1132	0.0037	0.0170	0.0003	0.19	108.8	1.9	108.7	3.4	87	57	108.8	1.9	0.1
980731-2_3	886	11.9	0.0480	0.0015	0.1129	0.0035	0.0171	0.0002	0.20	109.2	1.3	108.5	3.2	102	61	109.2	1.3	0.6
980731-2_4	872	10.8	0.0493	0.0015	0.1161	0.0034	0.0172	0.0003	0.43	110.1	2.0	111.4	3.1	154	62	110.1	2.0	1.2
980731-2_5	1006	10.6	0.0491	0.0016	0.1128	0.0036	0.0167	0.0003	0.22	106.8	1.7	108.7	3.3	154	64	106.8	1.7	1.7
980731-2_6	842	10.6	0.0538	0.0018	0.1116	0.0033	0.0167	0.0003	0.33	106.7	1.7	107.2	3.0	125	59	106.7	1.7	0.5
980731-2_7	941	10.4	0.0486	0.0015	0.1153	0.0032	0.0171	0.0002	0.26	109.1	1.2	110.7	2.9	151	57	109.1	1.2	1.4
980731-2_8	445	11.6	0.0490	0.0013	0.1148	0.0067	0.0176	0.0004	0.24	112.5	2.8	110.0	6.1	90	120	112.5	2.8	2.3
980731-2_9	947	5.4	0.0478	0.0031	0.1173	0.0046	0.0163	0.0003	0.43	104.0	2.2	112.4	4.2	271	71	104.0	2.2	7.5
980731-2_10	1083	9.4	0.0520	0.0017	0.1206	0.0034	0.0178	0.0003	0.06	113.4	1.8	115.4	3.0	162	58	113.4	1.8	1.7
980731-2_11	835	14.0	0.0491	0.0013	0.1148	0.0033	0.0171	0.0002	0.29	109.3	1.3	110.1	3.0	145	60	109.3	1.3	0.7
980731-2_12	693	11.4	0.0486	0.0014	0.1137	0.0041	0.0173	0.0002	0.22	110.5	1.4	109.5	3.8	97	68	110.5	1.4	0.9
980731-2_13	753	11.3	0.0480	0.0017	0.1135	0.0042	0.0170	0.0004	0.18	108.6	2.4	108.9	3.8	142	74	108.6	2.4	0.3
980731-2_14	770	12.9	0.0491	0.0019	0.1173	0.0037	0.0174	0.0003	0.34	111.3	2.0	112.4	3.3	145	60	111.3	2.0	1.0
980731-2_15	884	10.0	0.0491	0.0015	0.1175	0.0043	0.0170	0.0003	0.37	108.6	2.1	112.6	3.9	175	71	108.6	2.1	3.6
980731-2_16	757	15.2	0.0500	0.0018	0.1114	0.0044	0.0163	0.0004	0.26	104.0	2.3	107.0	4.0	152	75	104.0	2.3	2.8
980731-2_17	1210	8.1	0.0555	0.0024	0.1103	0.0033	0.0168	0.0003	0.33	107.0	1.8	106.0	3.0	108	61	107.0	1.8	0.9
980731-2_18	1410	10.8	0.0494	0.0019	0.1196	0.0039	0.0178	0.0004	0.17	113.6	2.3	114.5	3.6	146	61	113.6	2.3	0.8
980731-2_19	739	13.2	0.0481	0.0015	0.1126	0.0034	0.0172	0.0002	0.31	110.1	1.2	108.2	3.1	87	61	110.1	1.2	1.8
980731-2_20	591	11.4	0.0491	0.0015	0.1188	0.0051	0.0180	0.0005	0.19	115.2	3.2	113.6	4.6	128	83	115.2	3.2	1.4
980731-2_21	944	8.4	0.0476	0.0015	0.1156	0.0041	0.0167	0.0003	0.17	106.9	2.1	110.8	3.7	188	61	106.9	2.1	3.5
980731-2_22	566	14.2	0.0486	0.0021	0.1193	0.0059	0.0176	0.0005	0.21	112.4	3.0	114.0	5.4	159	88	112.4	3.0	1.4
980731-2_23	856	12.3	0.0502	0.0015	0.1162	0.0037	0.0171	0.0003	0.11	109.4	1.8	111.4	3.4	168	65	109.4	1.8	1.8
980731-2_24	451	13.2	0.0491	0.0021	0.1197	0.0057	0.0164	0.0003	0.17	104.6	2.0	114.3	5.1	277	95	104.6	2.0	8.5
980731-2_25	547	13.3	0.0496	0.0016	0.1123	0.0050	0.0168	0.0003	0.31	107.5	1.9	107.7	4.6	130	85	107.5	1.9	0.2
980731-2_26	835	13.3	0.0529	0.0026	0.1124	0.0036	0.0172	0.0003	0.30	109.6	1.6	108.0	3.3	90	64	109.6	1.6	1.5
980731-2_28	771	16.2	0.0487	0.0022	0.1135	0.0036	0.0167	0.0002	0.19	106.9	1.4	109.0	3.3	162	67	106.9	1.4	1.9
980731-2_29	1121	11.8	0.0473	0.0015	0.1191	0.0035	0.0178	0.0003	0.28	113.5	1.9	114.1	3.2	140	58	113.5	1.9	0.5
980731-2_30	905	8.6	0.0495	0.0017	0.1196	0.0046	0.0173	0.0005	0.34	110.5	2.9	114.4	4.2	204	76	110.5	2.9	3.4
980731-2_31	4630	14.7	0.0488	0.0014	0.1218	0.0050	0.0176	0.0005	0.28	112.1	2.9	116.7	4.5	208	89	112.1	2.9	3.9
980731-2_32	796	16.5	0.0503	0.0019	0.1156	0.0042	0.0172	0.0005	0.25	109.9	2.8	110.8	3.8	140	70	109.9	2.8	0.8
980731-2_33	920	17.6	0.0497	0.0015	0.1201	0.0038	0.0177	0.0003	0.31	113.3	1.7	114.9	3.4	167	66	113.3	1.7	1.4
980731-2_34	648	13.3	0.0487	0.0017	0.1201	0.0051	0.0171	0.0004	0.36	109.0	2.3	114.9	4.6	234	88	109.0	2.3	5.1

980731-2_35	867	18.1	0.0495	0.0016	0.1039	0.0038	0.0153	0.0003	0.26	97.7	2.0	100.1	3.5	186	73	97.7	2.0	2.4
980731-2_36	762	20.4	0.0511	0.0022	0.1247	0.0054	0.0180	0.0006	0.21	114.9	3.5	118.8	4.9	177	82	114.9	3.5	3.3
980731-2_37	955	14.5	0.0503	0.0019	0.1151	0.0038	0.0171	0.0004	0.34	109.2	2.2	110.4	3.5	158	70	109.2	2.2	1.1
980731-2_38	987	16.8	0.0502	0.0021	0.1159	0.0033	0.0173	0.0003	0.35	110.7	1.7	111.2	3.0	138	58	110.7	1.7	0.4
980731-2_39	651	22.7	0.0491	0.0017	0.1169	0.0053	0.0170	0.0006	0.28	108.7	4.0	111.9	4.8	201	85	108.7	4.0	2.9
980731-2_40	730	19.4	0.0487	0.0014	0.1198	0.0049	0.0175	0.0005	0.32	112.0	3.2	114.5	4.4	188	76	112.0	3.2	2.2
980731-2_41	1070	15.1	0.0569	0.0032	0.1144	0.0034	0.0172	0.0003	0.42	109.9	1.7	109.8	3.1	127	59	109.9	1.7	0.1
980731-2_42	571	14.4	0.0505	0.0022	0.1153	0.0047	0.0175	0.0002	0.37	111.6	1.5	111.1	4.4	113	82	111.6	1.5	0.5
980731-2_43	1070	15.9	0.0502	0.0019	0.1104	0.0038	0.0167	0.0004	0.24	106.5	2.2	106.1	3.5	108	69	106.5	2.2	0.4
980731-2_44	670	22.6	0.0484	0.0014	0.1129	0.0037	0.0170	0.0002	0.15	108.5	1.5	108.4	3.3	124	67	108.5	1.5	0.1
980731-2_45	721	13.2	0.0477	0.0020	0.1157	0.0037	0.0173	0.0002	0.28	110.6	1.2	110.9	3.4	131	65	110.6	1.2	0.3
980731-2_46	1128	11.0	0.0481	0.0017	0.1132	0.0037	0.0170	0.0003	0.22	108.8	1.9	108.7	3.4	87	57	108.8	1.9	0.1
980731-2_47	886	11.9	0.0485	0.0016	0.1129	0.0035	0.0171	0.0002	0.38	109.2	1.3	108.5	3.2	102	61	109.2	1.3	0.6
980731-2_48	872	10.8	0.0490	0.0015	0.1161	0.0034	0.0172	0.0003	0.24	110.1	2.0	111.4	3.1	154	62	110.1	2.0	1.2
980731-2_49	1006	10.6	0.0487	0.0018	0.1128	0.0036	0.0167	0.0003	0.30	106.8	1.7	108.7	3.3	154	64	106.8	1.7	1.7
980731-2_50	842	10.6	0.0502	0.0016	0.1116	0.0033	0.0167	0.0003	0.20	106.7	1.7	107.2	3.0	125	59	106.7	1.7	0.5

Section 4: Detrital Apatite U-Pb Dating and Trace Element Concentrations

Analysis	U (ppm)	U/Th	207Pb/ 206Pb	2σ error	207Pb/ 235U	2σ error	206Pb/ 238U	2σ error	err. corr.	207Pb/ 204Pb	206Pb/ 204Pb	238U age (Ma)	2σ error (Ma)	Best age (Ma)	2σ error (Ma)	Disc. %
NV12-162CB																
ANV12_162CB_0	4.9	0.4	0.375	0.017	2.870	0.140	0.0565	0.004	0.79	15.60	18.67	123.4	7.2	123.4	7.2	111.8
ANV12_162CB_1	6.5	0.6	0.369	0.016	2.179	0.088	0.0431	0.002	0.50	15.61	18.67	97.4	5.7	97.4	5.7	108.2
ANV12_162CB_2	4.6	0.5	0.386	0.019	2.800	0.120	0.0542	0.003	0.53	15.60	18.67	110.7	6.7	110.7	6.7	113.2
ANV12_162CB_3	6.6	0.4	0.370	0.017	2.544	0.092	0.0511	0.003	0.41	15.60	18.67	114.9	6.1	114.9	6.1	109.4
ANV12_162CB_4	5.2	0.4	0.383	0.017	2.372	0.096	0.0454	0.002	0.52	15.61	18.67	94.4	5.8	94.4	5.8	110.9
ANV12_162CB_5	8.0	0.5	0.356	0.017	2.090	0.130	0.0430	0.002	0.10	15.61	18.67	104.4	6.7	104.4	6.7	104.5
ANV12_162CB_6	9.7	1.0	0.378	0.029	4.290	0.870	0.0730	0.012	0.96	15.59	18.67	157.0	17.5	157.0	17.5	110.2
ANV12_162CB_7	5.4	0.7	0.415	0.015	4.090	0.260	0.0714	0.005	0.84	15.59	18.67	119.3	7.2	119.3	7.2	123.0
ANV12_162CB_8	4.5	0.5	0.420	0.02	4.510	0.280	0.0790	0.005	0.79	15.59	18.67	127.0	7.7	127.0	7.7	123.7
ANV12_162CB_9	5.5	0.4	0.392	0.023	2.760	0.110	0.0527	0.003	0.44	15.60	18.67	103.5	7.6	103.5	7.6	113.3
ANV12_162CB_10	5.1	0.5	0.399	0.018	2.820	0.110	0.0534	0.003	0.53	15.60	18.67	100.0	6.8	100.0	6.8	115.0
ANV12_162CB_11	5.1	0.5	0.387	0.019	2.830	0.110	0.0554	0.003	0.41	15.60	18.67	112.4	6.2	112.4	6.2	113.4
ANV12_162CB_12	4.8	0.6	0.420	0.018	4.430	0.180	0.0783	0.004	0.57	15.59	18.67	125.9	5.9	125.9	5.9	124.7
ANV12_162CB_13	6.2	0.4	0.390	0.018	2.930	0.120	0.0557	0.003	0.53	15.60	18.67	110.9	6.3	110.9	6.3	114.4
ANV12_162CB_14	5.7	0.5	0.387	0.017	2.620	0.110	0.0503	0.003	0.54	15.60	18.67	102.0	6.1	102.0	6.1	113.2
ANV12_162CB_15	8.2	0.5	0.413	0.016	3.360	0.130	0.0595	0.003	0.54	15.60	18.67	100.7	5.4	100.7	5.4	121.4
ANV12_162CB_16	10.1	1.2	0.355	0.012	2.082	0.052	0.0427	0.001	0.47	15.61	18.67	104.2	4.2	104.2	4.2	105.8
ANV12_162CB_17	7.1	0.9	0.358	0.017	2.290	0.150	0.0457	0.003	0.72	15.61	18.67	109.8	6.6	109.8	6.6	107.3
ANV12_162CB_18	9.3	0.6	0.330	0.018	1.770	0.130	0.0382	0.002	0.69	15.61	18.67	105.5	7.2	105.5	7.2	99.2

ANV12_162CB_19	6.7	0.4	0.393	0.018	2.760	0.100	0.0513	0.002	0.45	15.60	18.67	100.0	5.9	100.0	5.9	115.6
ANV12_162CB_20	9.8	0.8	0.313	0.013	1.538	0.058	0.0361	0.002	0.49	15.61	18.67	107.6	5.5	107.6	5.5	95.1
ANV12_162CB_21	4.6	0.6	0.413	0.018	3.400	0.150	0.0595	0.003	0.55	15.60	18.67	100.7	5.9	100.7	5.9	121.4
ANV12_162CB_22	6.6	0.5	0.364	0.015	2.201	0.091	0.0437	0.002	0.59	15.61	18.67	101.6	5.8	101.6	5.8	107.8
ANV12_162CB_23	7.0	0.4	0.383	0.015	2.830	0.110	0.0539	0.002	0.51	15.60	18.67	112.1	5.5	112.1	5.5	114.4
ANV12_162CB_24	6.1	0.8	0.439	0.016	4.790	0.260	0.0763	0.004	0.75	15.59	18.67	103.7	6.2	103.7	6.2	130.6
ANV12_162CB_25	7.1	0.6	0.345	0.017	2.147	0.081	0.0461	0.002	0.45	15.61	18.67	118.5	6.2	118.5	6.2	104.3
ANV12_162CB_26	7.8	0.5	0.374	0.016	2.232	0.076	0.0439	0.002	0.44	15.61	18.67	96.3	5.5	96.3	5.5	110.0
ANV12_162CB_27	8.9	0.4	0.366	0.013	2.530	0.095	0.0500	0.002	0.62	15.60	18.67	115.0	5.0	115.0	5.0	110.5
ANV12_162CB_28	7.6	0.4	0.367	0.015	2.464	0.074	0.0485	0.002	0.45	15.60	18.67	110.9	5.2	110.9	5.2	110.8
ANV12_162CB_29	10.0	1.0	0.352	0.012	2.013	0.071	0.0416	0.002	0.68	15.61	18.67	103.1	5.0	103.1	5.0	105.5
ANV12_162CB_30	6.0	0.4	0.402	0.017	3.470	0.150	0.0629	0.003	0.64	15.60	18.67	115.5	6.3	115.5	6.3	120.8
ANV12_162CB_31	5.8	0.5	0.389	0.014	3.470	0.130	0.0655	0.003	0.71	15.59	18.67	131.4	5.8	131.4	5.8	118.9
ANV12_162CB_32	7.0	0.4	0.400	0.017	3.110	0.130	0.0552	0.003	0.59	15.60	18.67	102.7	5.9	102.7	5.9	118.4
ANV12_162CB_33	7.7	0.5	0.341	0.013	1.989	0.069	0.0411	0.002	0.41	15.61	18.67	107.7	4.8	107.7	4.8	103.9
ANV12_162CB_34	7.9	0.5	0.376	0.015	2.609	0.089	0.0498	0.002	0.43	15.60	18.67	108.1	5.0	108.1	5.0	112.6
ANV12_162CB_35	4.8	0.8	0.444	0.016	4.550	0.170	0.0736	0.003	0.61	15.59	18.67	95.1	5.5	95.1	5.5	131.9
ANV12_162CB_36	9.8	0.5	0.357	0.015	1.966	0.055	0.0401	0.002	0.18	15.61	18.67	96.8	4.9	96.8	4.9	105.4
ANV12_162CB_37	7.7	0.4	0.378	0.013	2.762	0.074	0.0521	0.002	0.54	15.60	18.67	111.7	4.7	111.7	4.7	114.2
ANV12_162CB_38	6.3	0.5	0.329	0.014	1.974	0.071	0.0435	0.002	0.47	15.61	18.67	120.8	5.5	120.8	5.5	100.9
ANV12_162CB_39	7.5	0.5	0.397	0.015	3.073	0.098	0.0555	0.002	0.47	15.60	18.67	105.4	4.9	105.4	4.9	118.5
ANV12_162CB_40	8.4	0.5	0.360	0.016	2.072	0.090	0.0413	0.002	0.53	15.61	18.67	98.1	5.5	98.1	5.5	106.9
ANV12_162CB_41	7.7	0.4	0.366	0.013	2.455	0.075	0.0482	0.002	0.46	15.60	18.67	110.8	4.8	110.8	4.8	110.7
ANV12_162CB_42	5.9	0.5	0.416	0.018	3.840	0.220	0.0680	0.005	0.77	15.59	18.67	112.6	7.6	112.6	7.6	123.4
ANV12_162CB_43	5.9	0.6	0.439	0.017	4.710	0.230	0.0776	0.005	0.63	15.59	18.67	105.5	6.9	105.5	6.9	130.1
ANV12_162CB_44	6.0	0.5	0.400	0.017	3.140	0.150	0.0557	0.002	0.60	15.60	18.67	103.6	5.6	103.6	5.6	118.9
ANV12_162CB_45	5.9	0.6	0.425	0.015	4.090	0.150	0.0692	0.003	0.65	15.59	18.67	106.5	5.4	106.5	5.4	127.3
ANV12_162CB_46	9.0	0.6	0.376	0.015	3.020	0.140	0.0585	0.003	0.73	15.60	18.67	127.1	6.5	127.1	6.5	114.0
ANV12_162CB_47	5.7	0.5	0.411	0.018	3.210	0.170	0.0561	0.003	0.71	15.60	18.67	96.4	6.1	96.4	6.1	121.1
ANV12_162CB_48	5.8	0.4	0.389	0.019	2.893	0.091	0.0544	0.002	0.51	15.60	18.67	109.0	5.9	109.0	5.9	115.3
ANV12_162CB_49	6.0	0.5	0.413	0.017	3.270	0.110	0.0570	0.002	0.45	15.60	18.67	96.5	5.2	96.5	5.2	121.4
ANV12_162CB_50	9.6	0.8	0.397	0.014	3.050	0.120	0.0557	0.002	0.62	15.60	18.67	105.8	5.1	105.8	5.1	118.1
ANV12_162CB_51	6.6	0.5	0.386	0.018	2.762	0.080	0.0533	0.003	0.34	15.60	18.67	108.8	6.0	108.8	6.0	114.6
ANV12_162CB_52	7.6	0.4	0.399	0.017	2.890	0.110	0.0523	0.002	0.36	15.60	18.67	97.9	5.5	97.9	5.5	117.1
ANV12_162CB_53	5.7	0.5	0.419	0.017	3.170	0.150	0.0550	0.003	0.60	15.60	18.67	88.7	5.9	88.7	5.9	121.5
ANV12_162CB_54	7.0	0.7	0.361	0.015	2.601	0.084	0.0525	0.002	0.48	15.60	18.67	124.2	5.1	124.2	5.1	110.0
ANV12_162CB_55	7.6	0.5	0.377	0.015	2.520	0.100	0.0483	0.002	0.61	15.60	18.67	104.2	5.7	104.2	5.7	111.9
ANV12_162CB_56	6.7	0.4	0.350	0.016	2.030	0.077	0.0424	0.002	0.53	15.61	18.67	106.2	6.0	106.2	6.0	104.5
ANV12_162CB_57	8.4	0.5	0.402	0.018	2.586	0.075	0.0482	0.002	0.34	15.60	18.67	88.3	5.6	88.3	5.6	115.3
ANV12_162CB_58	8.2	0.5	0.377	0.016	2.641	0.076	0.0512	0.002	0.30	15.60	18.67	110.5	5.3	110.5	5.3	112.5
ANV12_162CB_59	7.0	0.5	0.392	0.014	3.311	0.089	0.0613	0.002	0.44	15.60	18.67	120.5	4.9	120.5	4.9	119.1
ANV12_162CB_60	7.5	0.6	0.412	0.013	4.680	0.130	0.0828	0.003	0.58	15.58	18.67	141.8	4.7	141.8	4.7	125.4

ANV12_162CB_61	7.2	0.6	0.412	0.016	3.510	0.200	0.0620	0.004	0.76	15.60	18.67	105.8	6.7	105.8	6.7	121.9
ANV12_162CB_62	16.4	1.0	0.318	0.02	1.980	0.180	0.0432	0.003	0.88	15.61	18.67	126.1	8.6	126.1	8.6	97.6
ANV12_162CB_63	6.2	0.6	0.373	0.016	2.730	0.130	0.0531	0.003	0.60	15.60	18.67	117.3	5.9	117.3	5.9	112.2
ANV12_162CB_64	6.2	0.4	0.385	0.019	2.720	0.100	0.0534	0.003	0.58	15.60	18.67	109.7	6.7	109.7	6.7	113.1

Analysis	U (ppm)	U/Th	207Pb/ 206Pb	2σ error	207Pb/ 235U	2σ error	206Pb/ 238U	2σ error	err. corr.	207Pb/ 204Pb	206Pb/ 204Pb	238U age (Ma)	2σ error (Ma)	Best age (Ma)	2σ error (Ma)	Disc. %	206Pb/
																	206Pb/ 204Pb
NV12-176CB																	
ANV12_176CB_0	7.2	0.4	0.405	0.014	3.412	0.086	0.0613	0.002	0.54	15.60	18.67	108.7	4.8	108.7	4.8	120.9	
ANV12_176CB_1	7.7	0.5	0.392	0.016	2.522	0.081	0.0466	0.002	0.58	15.61	18.67	90.4	5.3	90.4	5.3	114.3	
ANV12_176CB_2	6.9	0.5	0.419	0.013	3.720	0.110	0.0643	0.002	0.20	15.60	18.67	102.3	4.6	102.3	4.6	124.4	
ANV12_176CB_3	9.8	0.6	0.414	0.012	3.360	0.110	0.0586	0.002	0.67	15.60	18.67	97.0	4.5	97.0	4.5	122.3	
ANV12_176CB_4	3.3	0.5	0.467	0.024	6.380	0.500	0.0985	0.007	0.75	15.57	18.67	95.5	9.0	95.5	9.0	135.5	
ANV12_176CB_5	10.8	0.6	0.410	0.014	3.010	0.120	0.0538	0.002	0.62	15.60	18.67	91.8	5.2	91.8	5.2	120.0	
ANV12_176CB_6	8.2	0.4	0.389	0.017	2.280	0.110	0.0423	0.002	0.16	15.61	18.67	83.6	5.5	83.6	5.5	112.5	
ANV12_176CB_7	12.7	0.6	0.363	0.011	2.210	0.054	0.0441	0.001	0.49	15.61	18.67	102.2	3.9	102.2	3.9	108.0	
ANV12_176CB_8	5.0	0.9	0.388	0.02	3.930	0.370	0.0714	0.006	0.87	15.59	18.67	142.7	9.5	142.7	9.5	117.2	
ANV12_176CB_9	3.5	0.4	0.446	0.014	7.450	0.740	0.1150	0.010	0.94	15.56	18.67	144.0	9.2	144.0	9.2	130.5	
ANV12_176CB_10	7.1	0.6	0.397	0.012	3.420	0.120	0.0628	0.003	0.68	15.60	18.67	118.0	5.0	118.0	5.0	119.3	
ANV12_176CB_11	6.8	0.4	0.389	0.016	2.824	0.099	0.0534	0.002	0.49	15.60	18.67	105.8	4.9	105.8	4.9	115.2	
ANV12_176CB_12	7.0	0.5	0.425	0.015	3.660	0.130	0.0631	0.003	0.64	15.60	18.67	95.5	5.5	95.5	5.5	124.5	
ANV12_176CB_13	7.9	0.4	0.387	0.015	2.560	0.110	0.0478	0.002	0.61	15.60	18.67	95.8	5.2	95.8	5.2	113.1	
ANV12_176CB_14	5.9	0.4	0.397	0.014	3.340	0.160	0.0614	0.004	0.78	15.60	18.67	115.3	6.4	115.3	6.4	119.2	
ANV12_176CB_15	5.2	0.6	0.388	0.017	2.890	0.130	0.0548	0.003	0.61	15.60	18.67	109.3	6.1	109.3	6.1	114.6	
ANV12_176CB_16	6.8	0.4	0.383	0.016	2.670	0.100	0.0514	0.002	0.48	15.60	18.67	105.8	5.3	105.8	5.3	113.1	
ANV12_176CB_17	9.6	0.6	0.352	0.017	2.240	0.160	0.0461	0.003	0.81	15.61	18.67	113.4	7.5	113.4	7.5	105.2	
ANV12_176CB_18	6.7	0.5	0.402	0.014	3.980	0.290	0.0714	0.005	0.87	15.59	18.67	129.7	7.7	129.7	7.7	121.1	
ANV12_176CB_19	7.7	0.5	0.382	0.014	2.560	0.078	0.0490	0.002	0.51	15.60	18.67	101.4	5.0	101.4	5.0	112.8	
ANV12_176CB_20	12.7	0.6	0.321	0.012	1.634	0.049	0.0371	0.001	0.12	15.61	18.67	106.1	4.2	106.1	4.2	97.2	
ANV12_176CB_21	9.6	0.7	0.329	0.013	1.749	0.050	0.0392	0.002	0.33	15.61	18.67	108.1	5.2	108.1	5.2	99.3	
ANV12_176CB_22	10.4	0.5	0.356	0.012	2.164	0.061	0.0444	0.002	0.42	15.61	18.67	106.9	4.4	106.9	4.4	106.1	
ANV12_176CB_23	8.0	0.4	0.369	0.015	2.193	0.073	0.0442	0.002	0.56	15.61	18.67	98.9	5.3	98.9	5.3	108.1	
ANV12_176CB_24	7.2	0.5	0.402	0.014	3.550	0.150	0.0641	0.003	0.74	15.60	18.67	116.3	5.3	116.3	5.3	120.1	
ANV12_176CB_25	5.6	0.6	0.418	0.018	3.880	0.190	0.0682	0.004	0.70	15.59	18.67	109.5	6.3	109.5	6.3	123.4	
ANV12_176CB_26	6.2	0.5	0.400	0.016	3.320	0.120	0.0604	0.002	0.57	15.60	18.67	111.1	5.1	111.1	5.1	118.4	
ANV12_176CB_27	5.5	0.5	0.387	0.015	3.330	0.130	0.0629	0.003	0.54	15.60	18.67	126.4	5.3	126.4	5.3	116.6	
ANV12_176CB_28	8.4	0.5	0.381	0.018	2.420	0.150	0.0464	0.002	0.77	15.61	18.67	96.6	6.2	96.6	6.2	110.7	
ANV12_176CB_29	10.1	0.5	0.371	0.013	2.350	0.062	0.0462	0.002	0.41	15.61	18.67	102.2	4.3	102.2	4.3	109.9	
ANV12_176CB_30	6.0	0.4	0.390	0.017	2.964	0.092	0.0566	0.003	0.47	15.60	18.67	111.4	5.8	111.4	5.8	115.5	
ANV12_176CB_31	7.3	0.5	0.359	0.013	2.327	0.074	0.0482	0.002	0.67	15.60	18.67	114.2	5.5	114.2	5.5	107.4	
ANV12_176CB_32	7.7	0.4	0.427	0.013	3.790	0.180	0.0652	0.003	0.80	15.59	18.67	97.0	5.7	97.0	5.7	125.4	
ANV12_176CB_33	7.5	0.5	0.386	0.013	2.900	0.130	0.0539	0.002	0.69	15.60	18.67	108.9	5.1	108.9	5.1	115.4	
ANV12_176CB_34	9.7	0.5	0.367	0.014	2.585	0.095	0.0511	0.002	0.62	15.60	18.67	115.8	5.2	115.8	5.2	110.4	
ANV12_176CB_35	6.4	0.5	0.398	0.014	3.410	0.110	0.0621	0.002	0.57	15.60	18.67	115.8	4.7	115.8	4.7	119.3	

ANV12_176CB_36	9.5	0.6	0.362	0.015	2.129	0.096	0.0428	0.002	0.58	15.61	18.67	99.7	5.3	99.7	5.3	106.8
ANV12_176CB_37	7.4	0.5	0.405	0.017	2.879	0.097	0.0519	0.002	0.40	15.60	18.67	91.9	5.7	91.9	5.7	118.0
ANV12_176CB_38	8.2	0.6	0.387	0.012	2.864	0.081	0.0531	0.002	0.39	15.60	18.67	106.5	3.9	106.5	3.9	115.8
ANV12_176CB_39	7.1	0.5	0.393	0.016	3.350	0.230	0.0609	0.004	0.81	15.60	18.67	117.6	7.2	117.6	7.2	117.4
ANV12_176CB_40	5.1	0.5	0.461	0.016	8.200	0.930	0.1250	0.013	0.95	15.55	18.67	132.1	10.9	132.1	10.9	132.5
ANV12_176CB_41	6.4	0.4	0.393	0.019	2.454	0.080	0.0466	0.002	0.45	15.61	18.67	89.8	6.3	89.8	6.3	113.2
ANV12_176CB_42	8.1	0.4	0.395	0.014	2.665	0.074	0.0494	0.002	0.54	15.60	18.67	93.9	5.0	93.9	5.0	115.6
ANV12_176CB_43	7.0	0.4	0.350	0.011	2.312	0.084	0.0478	0.002	0.60	15.60	18.67	118.8	5.0	118.8	5.0	107.1
ANV12_176CB_44	5.2	0.6	0.422	0.018	3.860	0.120	0.0658	0.003	0.35	15.59	18.67	102.2	5.7	102.2	5.7	126.6
ANV12_176CB_45	7.7	0.4	0.380	0.015	2.649	0.066	0.0504	0.002	0.39	15.60	18.67	105.7	4.8	105.7	4.8	113.1
ANV12_176CB_46	6.8	0.4	0.374	0.014	2.589	0.082	0.0506	0.002	0.49	15.60	18.67	110.1	5.3	110.1	5.3	112.0
ANV12_176CB_47	6.8	0.5	0.369	0.015	2.420	0.085	0.0475	0.002	0.57	15.61	18.67	106.4	5.6	106.4	5.6	110.4
ANV12_176CB_48	6.4	0.5	0.386	0.015	3.037	0.099	0.0572	0.002	0.49	15.60	18.67	115.6	5.2	115.6	5.2	116.6
ANV12_176CB_49	6.1	0.5	0.392	0.015	3.035	0.085	0.0562	0.002	0.39	15.60	18.67	109.1	5.2	109.1	5.2	117.4
ANV12_176CB_50	6.6	0.4	0.406	0.017	2.930	0.100	0.0520	0.002	0.31	15.60	18.67	91.4	5.1	91.4	5.1	118.6
ANV12_176CB_51	7.9	0.5	0.344	0.015	1.982	0.065	0.0415	0.002	0.44	15.61	18.67	106.4	5.2	106.4	5.2	103.3
ANV12_176CB_52	6.7	0.4	0.400	0.017	2.990	0.100	0.0548	0.002	0.43	15.60	18.67	100.7	5.5	100.7	5.5	118.1
ANV12_176CB_53	7.1	0.5	0.375	0.014	2.661	0.096	0.0518	0.002	0.58	15.60	18.67	112.0	5.0	112.0	5.0	113.2
ANV12_176CB_54	7.8	0.4	0.334	0.015	1.823	0.065	0.0400	0.002	0.38	15.61	18.67	107.7	5.4	107.7	5.4	100.4
ANV12_176CB_55	7.1	0.5	0.420	0.016	3.760	0.280	0.0632	0.004	0.85	15.60	18.67	99.8	7.0	99.8	7.0	124.1
ANV12_176CB_56	5.3	0.5	0.416	0.018	3.760	0.150	0.0661	0.004	0.56	15.59	18.67	107.8	6.5	107.8	6.5	123.6
ANV12_176CB_57	3.5	0.6	0.444	0.014	6.290	0.280	0.1017	0.005	0.79	15.57	18.67	129.6	6.0	129.6	6.0	134.2
ANV12_176CB_58	7.4	0.5	0.364	0.016	2.550	0.120	0.0500	0.002	0.50	15.60	18.67	115.2	5.3	115.2	5.3	109.9
ANV12_176CB_59	9.0	0.5	0.370	0.013	2.542	0.068	0.0502	0.002	0.42	15.60	18.67	111.8	4.7	111.8	4.7	110.9
ANV12_176CB_60	6.6	0.5	0.402	0.016	3.500	0.100	0.0638	0.003	0.42	15.60	18.67	115.7	5.6	115.7	5.6	120.3
ANV12_176CB_61	7.0	0.5	0.397	0.014	3.420	0.180	0.0626	0.003	0.81	15.60	18.67	117.6	5.8	117.6	5.8	119.0
ANV12_176CB_62	8.8	0.5	0.381	0.017	2.770	0.150	0.0528	0.003	0.66	15.60	18.67	110.1	6.1	110.1	6.1	113.1

Analysis	La ppm	2σ	Ce ppm	2σ	Pr ppm	2σ	Nd ppm	2σ	Sm ppm	2σ	Eu ppm	2σ	Gd ppm	2σ	Tb ppm	2σ	Dy ppm	2σ	Ho ppm	2σ	Er ppm	2σ	Tm ppm	2σ	Yb ppm	2σ	Lu ppm	2σ	Th ppm	2σ	U ppm	2σ	
ANV12-162CB																																	
ANV12_162CB_0	736	29	1655	86	218	11	886	41	152	8	16	2	125	8	15	1	73	4	15	1	38	2	5	0	30	2	6	0	33	2	14.6	0.9	
ANV12_162CB_1	555	26	1289	67	168	8	671	35	107	7	14	1	100	6	12	1	60	3	12	1	33	3	5	0	31	2	6	0	32	2	18.3	1.1	
ANV12_162CB_2	515	18	1298	43	157	7	580	28	93	5	15	1	79	5	10	1	55	4	12	1	36	2	5	0	39	3	7	0	24	1	13.0	0.8	
ANV12_162CB_3	716	22	1790	100	235	8	930	44	160	9	18	1	141	7	17	1	86	5	16	1	45	3	6	0	35	3	7	0	35	2	15.4	0.9	
ANV12_162CB_4	629	33	1410	110	171	12	633	46	100	8	18	2	93	8	11	1	61	5	13	1	38	4	5	1	37	4	8	1	31	2	14.3	1.1	
ANV12_162CB_5	495	35	1130	100	130	12	455	44	71	9	12	1	63	7	8	1	42	4	10	1	29	3	4	1	32	4	6	1	35	2	20.8	1.3	
ANV12_162CB_6	648	42	1460	100	173	12	590	45	88	7	15	1	79	7	9	1	51	4	11	1	37	3	6	1	45	4	10	1	27	2	30.3	7.1	
ANV12_162CB_7	490	18	1367	80	191	9	766	40	145	8	11	1	140	8	18	1	105	5	23	1	70	5	11	1	70	5	14	1	20	2	14.6	1.7	
ANV12_162CB_8	622	49	1380	130	162	13	579	44	91	8	14	1	80	6	9	1	50	5	11	1	28	3	4	0	27	2	6	1	22	4	11.5	1.3	
ANV12_162CB_9	736	27	1640	100	200	10	721	42	118	9	20	1	101	7	12	1	64	4	14	1	39	3	5	1	37	2	7	1	35	2	14.8	0.8	
ANV12_162CB_10	607	36	1560	120	191	12	699	51	115	13	19	2	99	9	12	1	64	4	14	1	44	4	6	1	45	3	9	1	28	2	14.2	1.1	
ANV12_162CB_11	479	14	1158	36	146	4	554	18	90	5	14	1	78	4	9	0	52	3	11	0	33	2	5	0	30	2	5	0	22	1	11.7	0.5	
ANV12_162CB_12	471	18	997	49	107	5	371	22	54	4	12	1	48	4	5	0	28	2	6	1	16	1	2	0	14	1	3	0	21	1	11.6	0.6	
ANV12_162CB_13	828	37	1831	81	223	8	810	28	130	7	21	1	113	6	13	0	72	3	15	1	45	2	6	0	44	2	9	1	34	2	13.8	0.9	
ANV12_162CB_14	700	49	1700	150	210	16	791	62	127	12	19	2	116	9	14	1	76	6	16	1	47	4	6	1	45	4	9	1	29	2	14.4	1.0	
ANV12_162CB_15	712	29	1674	89	196	9	698	32	110	7	18	1	98	6	12	1	70	3	15	1	47	3	6	1	51	4	10	1	34	3	16.4	1.1	
ANV12_162CB_16	36	29	109	69	17	9	78	31	23	4	6	1	38	6	6	1	38	5	10	2	31	4	4	1	30	4	5	1	9	3	1.0	0.9	
ANV12_162CB_17	335	15	811	37	109	4	434	17	74	4	17	1	67	4	8	0	42	3	9	0	24	1	3	0	21	2	4	0	20	1	21.7	0.9	
ANV12_162CB_18	340	49	920	130	139	20	623	94	139	23	19	3	128	21	16	3	86	13	17	3	43	7	6	1	35	5	6	1	24	3	18.5	2.0	
ANV12_162CB_19	608	47	1490	120	197	14	736	57	121	9	18	2	108	8	13	1	72	5	15	1	42	3	6	1	40	5	7	1	35	2	21.1	2.6	
ANV12_162CB_20	604	39	1464	87	190	12	728	50	118	9	19	2	110	9	13	1	73	5	16	1	46	2	6	1	48	4	9	1	32	2	13.6	0.7	
ANV12_162CB_21	571	39	1255	94	156	33	98	582	33	94	7	13	1	80	6	10	1	53	4	11	1	31	3	4	0	28	2	5	0	29	3	22.0	1.6
ANV12_162CB_22	508	13	986	29	108	4	373	16	48	3	14	1	41	3	5	0	26	2	6	0	18	1	3	0	19	2	4	0	17	1	10.1	0.6	
ANV12_162CB_23	721	29	1850	110	239	9	913	35	157	8	19	1	131	7	16	1	82	4	18	1	49	4	7	1	46	3	10	1	35	3	16.4	1.1	
ANV12_162CB_24	810	56	1840	180	214	19	779	75	125	12	21	2	105	9	13	1	67	7	14	1	44	5	6	1	43	5	8	1	42	3	16.9	1.3	
ANV12_162CB_25	413	29	879	75	106	10	382	37	60	6	12	1	53	6	6	1	32	4	7	1	20	3	3	0	19	3	4	0	19	2	14.3	0.8	
ANV12_162CB_26	504	25	1202	67	147	7	569	29	96	6	12	1	86	5	10	1	54	3	11	1	29	2	4	0	27	2	6	0	28	2	15.8	1.1	
ANV12_162CB_27	684	37	1760	130	205	13	706	57	114	11	19	2	100	10	12	1	66	6	15	1	46	4	7	1	60	6	13	1	36	3	18.4	1.5	
ANV12_162CB_28	822	36	1980	100	253	10	941	41	151	10	21	2	128	7	16	1	89	6	19	1	56	3	8	1	58	5	11	1	43	1	18.0	0.8	
ANV12_162CB_29	814	41	1830	160	218	15	826	66	136	12	20	2	117	11	14	1	71	6	15	2	43	4	6	1	38	4	7	1	43	2	17.5	1.6	
ANV12_162CB_30	258	17	908	64	161	6	802	34	204	9	24	1	191	9	26	1	150	6	30	1	85	4	11	1	71	3	11	1	26	1	23.5	1.0	
ANV12_162CB_31	646	26	1675	78	222	8	882	35	158	9	25	1	133	6	17	1	89	4	18	1	50	2	7	0	40	2	7	0	32	2	13.3	0.7	
ANV12_162CB_32	609	54	1560	160	178	16	629	63	103	12	17	2	91	9	11	1	63	6	14	1	38	4	6	1	43	6	8	1	31	3	14.8	0.9	
ANV12_162CB_33	712	26	1603	72	194	10	710	32	121	8	19	1	103	6	12	1	69	3	15	1	40	3	6	1	42	3	8	0	31	2	13.9	0.8	
ANV12_162CB_34	572	77	1240	190	144	22	516	82	78	14	14	2	68	12	8	2	48	10	10	2	31	6	4	1	32	6	6	1	31	4	14.9	1.3	
ANV12_162CB_35	702	27	1508	88	174	10	641	7	101	7	14	1	91	6	11	1	56	3	13	1	35	3	5	0	37	2	9	1	30	2	15.4	0.7	
ANV12_162CB_36	477	25	1087	80	131	7	505	33	84	6	11	1	69	5	8	0	40	4	8	1	21	2	3	0	16	1	3	0	14	1	10.8	0.8	
ANV12_162CB_37	822	19	1915	56	237	6	884	24	141	7	21	1	128	7	15	1	86	4	19	1	57	2	8	1	58	3	12	1	41	2	19.6	0.7	
ANV12_162CB_38	762	31	1884	99	249	9	988	39	169	8	23	1	145	6	17	1	92	4	18	1	51	3	7	0	42	2	9	1	35	2	14.8	0.8	
ANV12_162CB_39	748	43	2010	200	240	15	830	49	141	11	22	2	115	9	14	1	78	6	16	1	46	4	6	1	39	4	6	1	28	3	14.8	1.6	
ANV12_162CB_40	727	31	1680	100	195	10	707	45	115	10	18	2	100	8	12	1	65	5	13	1	40	3	6	0	40	4	8	0	31	2	15.1	1.1	
ANV12_162CB_41	767	44	1760	140	213	13	799	50	133	12	20	2	112	7	13	1	73	5	15	1	43	4	6	1	39	3	6	0	34	3	17.6	1.5	
ANV12_162CB_42	842	34	1930	120	230	11	848	43	134	10	21	2	109	6	13	1	71	4	15	1	44	2	6	1	41	3	8	1	38	2	16.1	0.8	
ANV12_162CB_43	651	37	1640	120	2																												

ANV12_162CB_55	461	30	1060	110	126	11	481	47	71	7	11	1	66	6	8	1	41	4	9	1	27	3	4	0	28	3	6	0	20	1	14.5	1.0
ANV12_162CB_56	767	56	1890	190	240	18	894	75	156	15	19	2	133	11	17	2	90	9	19	2	54	6	7	1	54	6	11	1	33	3	16.5	1.1
ANV12_162CB_57	682	33	1430	110	175	10	675	40	112	6	17	1	91	5	10	1	54	3	11	1	26	2	4	0	19	2	3	0	30	2	13.9	0.8
ANV12_162CB_58	737	21	1739	92	191	7	653	20	98	6	17	1	93	5	11	0	60	3	13	1	39	2	6	0	42	3	9	1	32	1	17.2	0.8
ANV12_162CB_59	658	27	1675	75	217	10	854	40	146	10	18	2	125	7	15	1	78	5	16	1	46	3	6	0	43	2	9	1	33	1	16.3	0.9
ANV12_162CB_60	717	27	1639	85	199	10	747	45	127	9	19	2	111	8	13	1	71	6	14	1	42	3	6	0	41	3	7	1	31	2	14.5	0.8
ANV12_162CB_61	458	19	1080	61	134	9	513	38	91	7	16	1	86	7	11	1	59	5	13	1	40	4	6	1	45	4	9	1	20	1	13.4	0.8
ANV12_162CB_62	670	25	1470	110	163	10	597	51	92	9	16	1	81	7	9	1	46	5	9	1	24	3	3	0	20	3	4	0	27	2	16.9	1.9
ANV12_162CB_63	492	29	1015	66	117	7	444	26	71	5	16	1	63	4	8	1	42	3	9	1	26	3	4	1	29	5	5	1	34	6	37.0	11.0
ANV12_162CB_64	641	41	1210	84	127	9	435	34	63	6	15	1	54	5	6	1	33	3	7	1	19	2	3	0	19	2	4	0	23	1	14.3	1.0

Analysis	La ppm	2 σ	Ce ppm	2 σ	Pr ppm	2 σ	Nd ppm	2 σ	Sm ppm	2 σ	Eu ppm	2 σ	Gd ppm	2 σ	Tb ppm	2 σ	Dy ppm	2 σ	Ho ppm	2 σ	Er ppm	2 σ	Tm ppm	2 σ	Yb ppm	2 σ	Lu ppm	2 σ	Th ppm	2 σ	U ppm	2 σ
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ANV12-176CB																																	
ANV12_176CB_0	778	30	1970	150	216	11	714	51	108	10	20	2	93	9	11	1	59	5	12	1	36	3	5	0	37	4	6	0	6	0	37	2	
ANV12_176CB_1	688	47	1490	130	180	15	634	65	93	12	16	2	82	10	10	1	53	6	10	1	31	5	4	1	30	3	6	1	6	1	32	2.4	
ANV12_176CB_2	602	21	1461	76	186	7	688	26	114	7	17	1	98	5	12	1	63	3	13	1	36	2	5	0	35	3	7	1	7	1	28	2	
ANV12_176CB_3	697	32	1470	110	173	10	666	39	108	8	14	1	103	6	12	1	58	3	12	1	34	3	4	0	32	3	6	0	6	0	34	2.1	
ANV12_176CB_4	530	33	1220	110	135	8	476	37	75	7	12	1	67	4	7	0	38	3	8	1	23	2	3	0	22	2	4	0	4	0	15	2.1	
ANV12_176CB_5	639	27	1455	69	187	7	742	37	134	10	16	1	119	8	14	1	77	4	16	1	49	3	7	0	49	3	9	1	9	1	37	1.9	
ANV12_176CB_6	858	48	1970	190	237	19	810	76	128	13	20	2	107	9	12	1	67	7	14	1	42	5	6	1	42	4	7	0	7	0	41	3.5	
ANV12_176CB_7	771	28	1850	130	202	9	676	29	109	7	14	1	91	5	11	1	54	3	12	1	33	2	4	0	33	2	7	0	7	0	48	2.4	
ANV12_176CB_8	414	43	1030	140	108	13	327	39	41	6	8	1	36	6	4	1	21	3	5	1	14	2	2	0	16	2	3	0	3	0	13	1.1	
ANV12_176CB_9	554	31	1370	130	144	7	473	28	67	6	10	1	57	3	6	0	33	2	7	0	20	2	3	0	21	2	4	0	4	0	18	2	
ANV12_176CB_10	653	27	1315	89	135	6	440	21	58	4	11	1	53	3	6	0	31	3	7	1	20	1	3	0	24	2	5	0	5	0	25	1.5	
ANV12_176CB_11	798	20	1651	78	195	8	693	33	108	7	20	1	91	6	11	1	56	3	12	1	36	3	5	0	40	3	8	1	8	1	32	1.5	
ANV12_176CB_12	770	37	1640	100	187	10	643	35	101	7	18	1	90	6	11	1	59	5	12	1	36	2	5	0	35	3	7	1	7	1	31	2.8	
ANV12_176CB_13	823	49	1820	120	226	15	834	58	133	11	22	2	112	9	14	1	76	6	16	1	45	4	6	0	44	3	8	1	8	1	43	3	
ANV12_176CB_14	698	45	1510	120	193	13	739	52	119	10	19	1	108	10	12	1	67	4	14	1	37	3	5	1	31	3	6	1	6	1	27	2.4	
ANV12_176CB_15	578	24	1860	140	223	13	725	39	119	10	22	2	96	5	11	1	59	3	12	1	33	3	4	0	26	2	4	0	4	0	23	1.3	
ANV12_176CB_16	707	27	1406	62	171	8	624	34	97	7	24	1	86	7	10	1	55	4	12	1	31	3	5	0	28	2	5	0	5	0	29	1.5	
ANV12_176CB_17	691	67	1620	160	196	16	708	50	109	7	18	2	93	7	12	1	62	4	13	1	39	3	5	1	38	4	7	1	7	1	30	3.6	
ANV12_176CB_18	758	30	1750	110	198	10	699	33	108	7	17	1	98	5	12	1	65	2	13	1	39	2	5	0	38	3	8	1	8	1	32	2.4	
ANV12_176CB_19	680	22	1647	64	207	11	794	46	128	10	19	1	106	8	12	1	66	4	13	1	38	3	5	0	33	2	7	0	7	0	29	1.2	
ANV12_176CB_20	716	43	1680	170	193	14	702	56	112	10	16	2	103	10	12	1	63	5	13	1	36	4	5	1	35	4	7	0	7	0	41	2.7	
ANV12_176CB_21	664	18	1502	54	179	6	674	31	105	7	15	1	90	6	11	1	60	5	12	1	37	3	5	0	39	3	7	0	7	0	26	1.1	
ANV12_176CB_22	681	19	1595	52	200	6	756	22	135	7	18	1	120	7	14	1	76	4	16	1	44	2	6	0	37	2	7	0	7	0	37	1.9	
ANV12_176CB_23	771	38	1860	110	246	13	965	51	168	10	21	2	140	9	17	1	90	5	18	1	49	3	6	1	41	3	8	1	8	1	34	2.3	
ANV12_176CB_24	659	38	1650	140	196	10	679	46	110	9	16	1	96	5	12	1	64	5	13	1	40	3	6	1	39	3	8	0	8	0	29	2.5	
ANV12_176CB_25	529	49	1290	130	166	15	640	62	107	11	13	2	95	10	11	1	57	6	12	1	32	4	4	0	31	3	5	0	5	0	18	1.9	
ANV12_176CB_26	663	27	1820	140	195	10	605	31	89	6	16	2	79	6	9	1	49	4	10	1	29	2	4	0	28	2	5	0	5	0	29	1.5	
ANV12_176CB_27	695	60	###	300	223	18	710	81	107	14	19	2	87	8	11	1	56	6	12	2	38	6	5	1	37	5	7	1	7	1	30	2.5	
ANV12_176CB_28	682	33	1780	140	234	12	897	51	155	13	20	2	127	8	15	1	76	4	16	1	42	3	6	1	35	2	7	0	7	0	35	2.1	
ANV12_176CB_29	771	31	1620	83	199	9	753	34	127	8	13	1	107	7	12	1	64	3	13	1	35	3	5	0	28	2	5	0	5	0	40	2.2	
ANV12_176CB_30	742																																

ANV12_176CB_31	695	33	1650	130	201	10	737	42	120	10	19	2	100	8	12	1	67	4	13	1	39	4	5	1	34	3	6	1	6	1	34	2.6
ANV12_176CB_32	795	37	1820	100	223	10	844	40	139	8	23	1	121	7	14	1	76	4	16	1	47	3	7	1	46	3	8	1	8	1	42	2.5
ANV12_176CB_33	695	45	1560	140	189	13	675	58	109	9	18	2	98	8	11	1	61	6	13	2	37	4	5	1	37	4	7	1	7	1	31	2.7
ANV12_176CB_34	700	25	1623	83	196	7	731	30	122	7	13	1	108	6	12	1	67	3	14	1	41	2	5	0	33	2	6	0	6	0	31	2.1
ANV12_176CB_35	616	12	1443	46	184	5	698	17	117	5	17	1	101	4	12	0	66	3	13	1	37	2	5	0	31	2	5	0	5	0	25	1.1
ANV12_176CB_36	595	42	1310	110	156	15	557	60	80	10	15	2	72	11	9	1	45	6	10	1	30	4	4	1	30	4	6	1	6	1	28	3.4
ANV12_176CB_37	637	21	1467	89	178	7	632	31	100	8	17	2	84	7	10	1	56	5	11	1	34	3	4	0	30	2	6	0	6	0	30	1.2
ANV12_176CB_38	618	29	1560	130	180	10	615	41	91	9	15	1	78	6	9	1	51	5	12	1	35	4	5	1	38	4	8	0	8	0	27	1.7
ANV12_176CB_39	753	66	1530	140	177	14	634	43	92	7	17	1	86	7	10	1	55	4	11	1	33	3	4	0	33	3	6	1	6	1	32	4.2
ANV12_176CB_40	664	74	1500	190	182	22	675	76	117	13	18	2	100	11	12	2	61	7	13	2	35	4	5	1	33	4	7	1	7	1	27	4.3
ANV12_176CB_41	645	30	1520	110	202	10	773	36	133	10	18	1	109	6	13	1	69	3	14	1	36	2	5	0	33	3	6	0	6	0	28	2.2
ANV12_176CB_42	772	43	1810	180	227	17	844	74	140	14	24	2	118	8	14	1	79	7	16	1	49	5	6	1	41	4	8	1	8	1	39	3.4
ANV12_176CB_43	964	58	1900	140	215	10	778	44	122	9	19	1	110	6	13	1	69	4	14	1	40	3	5	0	36	2	8	1	8	1	32	2.1
ANV12_176CB_44	563	19	1197	47	144	6	535	23	78	5	13	1	72	4	8	1	45	3	9	1	28	2	4	0	25	2	6	0	6	0	18	0.8
ANV12_176CB_45	719	34	1670	130	202	12	762	51	122	11	20	2	103	7	12	1	66	4	15	1	46	4	6	1	45	4	9	1	9	1	37	2
ANV12_176CB_46	694	16	1619	36	194	5	710	19	113	4	18	1	101	3	12	1	69	2	15	1	43	2	6	0	40	2	8	0	8	0	34	0.8
ANV12_176CB_47	745	25	1729	70	217	9	825	32	141	7	15	1	126	6	15	1	79	4	17	1	47	3	6	0	47	3	10	1	10	1	28	1.6
ANV12_176CB_48	768	23	1683	88	204	11	752	50	126	9	16	1	110	8	12	1	67	6	14	1	40	3	6	0	38	3	8	0	8	0	27	1
ANV12_176CB_49	685	17	1635	64	194	6	711	23	114	5	19	1	98	5	12	1	66	4	14	1	39	2	5	0	36	2	6	0	6	0	28	1
ANV12_176CB_50	860	50	1900	170	236	18	922	58	151	13	22	2	133	10	16	1	84	5	18	1	48	4	6	1	41	4	8	1	8	1	34	2.3
ANV12_176CB_51	729	34	1880	160	247	15	958	59	165	12	22	2	137	7	17	1	93	6	19	1	55	4	8	1	57	5	11	1	11	1	37	2.4
ANV12_176CB_52	796	30	1783	93	212	10	780	31	123	8	20	1	113	7	13	1	72	4	16	1	47	2	7	0	47	3	9	1	9	1	30	1.2
ANV12_176CB_53	724	24	1545	75	184	9	707	39	115	7	16	1	102	7	13	1	69	4	15	1	43	3	6	0	40	3	8	0	8	0	30	1.6
ANV12_176CB_54	697	17	1703	53	234	6	907	29	156	7	26	1	135	4	16	1	87	4	18	1	49	2	6	0	42	2	7	0	7	0	37	1.5
ANV12_176CB_55	714	37	1599	75	199	9	764	40	127	6	20	1	111	6	13	1	75	4	15	1	44	3	6	0	36	2	6	1	6	1	35	2.7
ANV12_176CB_56	644	41	1580	100	210	13	822	45	143	10	19	2	119	7	14	1	77	5	16	1	41	3	6	0	36	2	6	0	6	0	22	1.4
ANV12_176CB_57	467	17	908	56	101	5	338	20	44	4	9	1	43	4	4	0	23	2	5	0	15	1	2	0	14	1	3	0	3	0	12	0.8
ANV12_176CB_58	686	36	1569	88	183	12	642	51	99	12	17	2	84	9	10	1	54	7	11	1	33	3	5	1	34	4	7	0	7	0	31	2.4
ANV12_176CB_59	786	17	1902	60	232	5	827	21	135	5	17	1	114	4	14	1	76	4	16	1	46	2	6	0	43	2	9	0	9	0	34	0.9
ANV12_176CB_60	699	20	1607	85	193	6	733	29	119	5	17	1	107	6	13	1	66	3	14	1	39	2	5	0	35	2	7	0	7	0	28	1.9
ANV12_176CB_61	663	34	1580	130	209	12	813	49	145	11	17	1	113	7	14	1	72	5	14	1	40	4	5	0	34	3	7	0	7	0	28	2
ANV12_176CB_62	654	27	1432	86	170	7	614	35	94	7	18	1	82	5	10	1	54	4	11	1	33	2	5	0	33	2	6	1	6	1	32	3.2

Section 5: Zircon, Apatite, and Titanite (U-Th)/He Analyses

Sample	mineral	U (ppm)	Th (ppm)	^{147}Sm (ppm)	[U]e	Th/U	He (nmol/g)	mass (μg)	Ft	Age, Ma	err., Ma
Copper Basin (detrital grains)											
aNV12_176CB-1	apatite	18.7	35.1	130.9	27.4	1.87	4.2	3.16	0.67	41.2	2.47
aNV12_176CB-2	apatite	14.0	28.7	114.5	21.2	2.05	3.7	6.43	0.74	42.5	2.55
aNV12_176CB-3	apatite	14.1	27.0	88.0	20.8	1.91	8.4	3.70	0.68	106.5	6.39
aNV12_176CB-4	apatite	16.8	36.1	114.2	25.6	2.15	3.7	2.63	0.65	39.8	2.39
aNV12_176CB-5	apatite	11.3	31.6	87.9	19.0	2.79	3.6	2.66	0.67	51.5	3.09
aNV12_176CB-6	apatite	11.1	22.0	76.5	16.5	1.98	3.4	3.46	0.68	54.8	3.29
aNV12_176CB-7	apatite	10.0	19.8	67.1	14.9	1.98	4.1	6.00	0.73	67.7	4.06
zDD_NV12_176CB-46	zircon	694.5	172.9	3.6	734.3	0.25	183.9	2.18	0.71	65.3	5.23
zDD_NV12_176CB-69	zircon	363.2	95.9	0.8	385.3	0.26	142.7	6.06	0.79	86.8	6.95
zDD_NV12_176CB-81	zircon	575.9	138.4	1.9	607.7	0.24	229.1	5.29	0.78	89.6	7.17
zDD_NV12_176CB-26	zircon	525.4	114.3	2.1	551.7	0.22	150.9	5.93	0.78	65.1	5.21
zDD_NV12_176CB-14	zircon	390.5	105.6	0.8	414.8	0.27	140.6	4.03	0.75	82.8	6.63
zDD_NV12_176CB-40	zircon	575.8	148.9	14.5	610.2	0.26	209.4	8.54	0.80	79.2	6.34
zDD_NV12_176CB-17	zircon	726.9	164.4	3.2	764.8	0.23	191.2	2.56	0.71	64.8	5.19
aNV12_162CB-1	apatite	19.2	21.7	90.6	24.6	1.13	1.6	4.99	0.71	16.8	1.01
aNV12_162CB-2	apatite	13.4	21.0	103.5	18.8	1.57	1.7	7.25	0.74	21.7	1.30
aNV12_162CB-3	apatite	15.5	28.6	85.6	22.5	1.85	1.8	9.66	0.77	19.0	1.14
aNV12_162CB-4	apatite	15.6	28.0	109.4	22.6	1.80	1.5	11.87	0.77	15.8	0.95
aNV12_162CB-5	apatite	10.6	19.9	84.2	15.6	1.88	1.0	7.46	0.75	15.3	0.92
aNV12_162CB-7	apatite	25.3	27.3	86.9	32.1	1.08	2.8	6.04	0.73	21.7	1.30
aNV12_162CB-8	apatite	19.2	39.0	161.1	29.0	2.03	2.3	6.63	0.73	19.7	1.18
zDD_NV12_162CB-8	zircon	878.6	250.1	5.9	936.2	0.28	312.9	9.36	0.80	77.0	6.16
zDD_NV12_162CB-19	zircon	406.1	91.8	2.0	427.2	0.23	125.1	16.12	0.84	64.7	5.17
zDD_NV12_162CB-76	zircon	422.6	89.1	1.6	443.2	0.21	151.0	8.63	0.79	79.1	6.33
zDD_NV12_162CB-42	zircon	788.0	190.1	2.8	831.8	0.24	277.5	3.72	0.73	84.5	6.76
zDD_NV12_162CB-66	zircon	383.0	97.1	1.3	405.3	0.25	123.8	4.68	0.76	74.5	5.96
zDD_NV12_162CB-67	zircon	264.9	144.8	3.8	298.3	0.55	180.4	8.35	0.79	139.6	11.17
zDD_NV12_162CB-12	zircon	530.0	131.6	1.4	560.3	0.25	185.9	5.61	0.76	80.1	6.40
050724-2A-1	apatite	22.7	32.3	130.4	30.3	1.4	50.3	4.7	0.74	17.8	1.07
050724-2A-2	apatite	18.3	28.9	135.1	25.1	1.6	33.1	11.8	0.80	13.0	0.78
050724-2A-3	apatite	19.2	26.1	61.8	25.3	1.4	35.5	5.6	0.75	15.0	0.90

050724-2A-4	apatite	16.8	29.4	161.8	23.7	1.8	28.7	5.6	0.75	12.6	0.76
050724-2A-5	apatite	20.1	28.7	95.7	26.8	1.4	30.3	3.1	0.71	12.7	0.76
050724-2A-6	apatite	22.2	32.0	129.0	29.7	1.4	38.8	6.1	0.76	13.7	0.82
050724-2A-7	apatite	22.2	28.0	72.3	28.8	1.3	48.4	4.1	0.73	18.5	1.11
050724-2A-8	apatite	18.8	28.0	124.1	25.4	1.5	32.9	11.7	0.80	12.8	0.77
050724-2A-9	apatite	15.5	27.5	131.6	22.0	1.8	31.7	13.7	0.81	13.9	0.83
050724-2A-10	apatite	18.2	28.0	128.7	24.8	1.5	30.4	3.8	0.72	13.4	0.8
050724-2A-11	apatite	17.0	26.9	117.6	23.3	1.6	24.3	4.1	0.72	11.4	0.7
050724-2A-12	apatite	18.2	39.2	147.2	27.4	2.2	33.2	3.3	0.71	13.4	0.8
050724-2A-13	apatite	31.7	28.1	81.4	38.3	0.9	54.2	4.0	0.73	15.7	0.9
050724-2A-14	apatite	26.6	30.4	86.4	33.8	1.1	45.7	3.7	0.72	15.1	0.9
050724-2A-15	apatite	17.5	27.2	114.4	23.9	1.6	39.7	3.0	0.70	18.7	1.1
050724-2A-16	apatite	18.1	27.9	148.5	24.6	1.5	34.3	8.0	0.78	14.0	0.8
050724-2A-17	apatite	20.4	31.3	113.7	27.7	1.5	47.8	5.1	0.75	18.4	1.1
050720-11-1	apatite	18.5	46.6	149.4	29.4	2.5	33.0	4.2	0.72	12.3	0.74
050720-11-2	apatite	18.1	35.0	127.3	26.3	1.9	27.2	4.9	0.74	11.1	0.67
050720-11-3	apatite	28.0	24.1	123.3	33.7	0.9	41.0	5.4	0.75	12.9	0.77
050720-11-4	apatite	17.1	32.2	119.1	24.7	1.9	28.2	6.5	0.74	12.2	0.73
050720-11-5	apatite	16.1	21.1	188.7	21.0	1.3	31.6	10.2	0.79	14.5	0.87
050720-11-6	apatite	17.1	36.7	119.9	25.7	2.1	44.0	3.8	0.72	18.7	1.12
050720-11-7	apatite	19.8	35.1	127.6	28.1	1.8	32.8	4.1	0.73	12.7	0.76
050720-11-8	apatite	23.0	43.5	183.9	33.3	1.9	36.3	5.0	0.74	11.5	0.69
050720-11-9	apatite	19.3	47.4	141.9	30.5	2.4	63.2	3.4	0.71	23.2	1.39
050720-11-10	apatite	37.6	31.5	143.6	45.0	0.8	55.3	4.8	0.75	13.2	0.79
050720-11-11	apatite	13.2	26.4	90.8	19.4	2.0	27.5	5.5	0.75	15.0	0.90
050720-11-12	apatite	16.7	33.1	133.6	24.5	2.0	35.5	9.1	0.78	14.5	0.87
050720-11-13	apatite	16.0	38.2	130.4	24.9	2.4	26.2	6.2	0.74	11.2	0.67
050720-11-14	apatite	21.2	46.3	174.1	32.1	2.2	38.8	5.5	0.75	12.7	0.76
050720-11-15	apatite	22.5	23.3	95.0	28.0	1.0	36.9	4.8	0.74	14.2	0.85
050720-11-16	apatite	15.2	28.1	118.5	21.8	1.9	31.6	7.3	0.75	15.1	0.91
050720-11-17	apatite	18.5	43.1	147.6	28.7	2.3	28.5	3.2	0.69	11.3	0.68
050720-11-18	apatite	18.1	30.1	128.4	25.2	1.7	26.7	5.9	0.74	11.3	0.68
050720-9D-1	apatite	23.7	27.6	109.4	30.2	1.2	47.2	4.5	0.74	16.9	1.01
050720-9D-2	apatite	38.6	28.8	131.4	45.4	0.7	57.8	3.8	0.73	14.0	0.84
050720-9D-3	apatite	20.5	20.4	28.1	25.3	1.0	34.7	4.0	0.73	15.3	0.92
050720-9D-4	apatite	34.9	30.7	47.1	42.1	0.9	59.5	4.2	0.73	15.7	0.94

050720-9D-5	apatite	27.2	31.0	65.7	34.4	1.1	41.1	5.0	0.74	13.0	0.78
050720-9D-6	apatite	16.8	32.4	121.9	24.4	1.9	30.1	3.5	0.71	13.7	0.82
050720-9D-7	apatite	36.3	36.1	79.9	44.8	1.0	65.4	4.6	0.74	16.1	0.96
050720-9D-8	apatite	75.4	66.8	217.1	91.1	0.9	142.2	6.9	0.76	16.5	0.99
050720-9D-9	apatite	22.3	39.5	128.5	31.6	1.8	47.9	7.9	0.78	15.5	0.93
050720-9D-10	apatite	24.7	24.5	112.5	30.5	1.0	54.7	8.3	0.78	18.4	1.10
050720-9D-11	apatite	26.8	28.3	71.8	33.5	1.1	59.8	5.5	0.75	19.3	1.16
050720-9D-12	apatite	25.8	30.8	51.6	33.1	1.2	44.5	2.7	0.69	15.8	0.95
010801-3Ap1	apatite	14.0	24.5		19.8	1.74	84.12	22.4	0.83	42.0	2.1
010801-3Ap2	apatite	13.2	23.3		18.7	1.77	80.79	27.5	0.85	41.7	2.1
010801-3Ap3	apatite	12.9	23.8		18.5	1.85	82.77	13.7	0.81	45.2	2.3

Copper Mountains

980730-1Ap1 41.821°N, 115.690°W	apatite	13.3	24.7		19.1	1.86	341.36	36.7	0.87	166.6	8.3
980730-1Ap2	apatite	16.1	26.1		22.2	1.62	56.39	25.5	0.87	23.9	1.2
980730-1Ap3	apatite	11.6	18.4		15.9	1.59	59.65	32.5	0.88	34.9	1.7
980730-1Ap4	apatite	13.6	23.1		19.0	1.70	46.05	46.2	0.90	22.1	1.1
980730-1Ap5	apatite	10.4	18.2		14.7	1.75	32.15	40.1	0.90	20.0	1.0
980730-1Ap6	apatite	11.0	17.0		15.0	1.55	34.15	32.5	0.89	21.0	1.1
980730-1Ap7	apatite	12.8	17.6		16.9	1.38	52.86	25.7	0.88	29.2	1.5
980730-1Ap8	apatite	14.5	16.0		18.3	1.10	49.06	30.4	0.88	25.1	1.3
980730-1Ap9	apatite	12.4	19.0		16.9	1.53	45.57	30.3	0.88	25.1	1.3
980730-1sp1	titanite	32.2	82.0		5.6	2.5	431.3	122.3		68.5	3.4
980730-1sp2	titanite	25.4	73.8		936.0	2.9	355.8	73.7		68.1	3.4
980730-1sp3	titanite	79.3	46.0		238.2	0.6	818.2	99.5		74.1	3.7
980730-1sp4	titanite	17.2	63.8		59.4	3.7	286.5	87.5		72.6	3.6
980730-3-1 41.830°N, 115.667°W	apatite	16.9	28.2	107.9	23.5	1.7	101.4	11.7	0.80	42.6	2.56
980730-3-2	apatite	14.5	24.4	81.0	20.3	1.7	66.0	4.2	0.64	40.7	2.44
980730-3-3	apatite	18.4	30.5	119.6	25.6	1.7	92.7	5.6	0.72	39.6	2.37
Z980730-3.1	zircon	251.7	52.7		264.1	0.21	1488.8	4.6	0.76	60.6	4.8
Z980730-3.2	zircon	261.3	65.1		276.5	0.25	2080.7	6.4	0.77	79.6	6.4
Z980730-3.3	zircon	415.0	101.5		438.9	0.24	2975.4	9.1	0.81	68.7	5.5
980730-4 41.835°N, 115.646°W	apatite	18.5	30.6	98.1	25.7	1.7	124.9	10.3	0.7	52.2	1.7
Z980730-4-1	zircon	475.8	111.4		502.0	0.23	3285.0	8.9	0.80	67.0	5.4
Z980730-4-2	zircon	574.2	133.7		605.6	0.23	4311.7	7.3	0.77	75.2	6.0
980730-5-1 41.835°N, 115.622°W	apatite	19.3	34.3	111.4	27.3	1.8	118.2	7.8	0.77	44.4	2.66

980730-5-2	apatite	18.1	30.2	97.4	25.2	1.7	87.3	7.6	0.70	39.4	2.36
980730-5-3	apatite	25.1	33.4	97.2	32.9	1.3	107.3	6.4	0.69	37.7	2.26
980730-5-4	apatite	21.8	32.0	84.7	29.3	1.5	142.0	5.7	0.68	47.0	3.42
980730-5-1.1	zircon	721.5	158.1		758.7	0.22	6270.8	6.0	0.8	89.2	4.1
980730-5sp1	titanite	36.5	58.6		50.3	1.6	355.0	36.2		57.7	2.9
980730-5sp3	titanite	43.9	89.6		65.0	2.0	586.3	42.1		73.7	3.7
980730-5sp4	titanite	31.1	49.2		42.6	1.6	371.6	39.5		71.2	3.6
980730-7 41.795°N, 115.664°W	apatite	33.2	29.1	65.8	40.0	0.9	122.8	3.1	0.6	41.1	2.5
Z980730-7.1	zircon	350.0	82.5		369.4	0.25	3075.2	6.5	0.76	88.6	7.2
Z980730-7.2	zircon	347.0	76.5		364.9	0.22	3277.3	6.4	0.77	94.6	7.6
Z980730-7.3	zircon	359.4	99.5		382.8	0.28	3018.4	6.6	0.77	83.2	6.7
980731-2-1 41.786°N, 115.493°W	apatite	17.7	23.9	77.8	23.4	1.3	68.2	5.4	0.68	34.3	2.06
980731-2-2	apatite	17.6	21.3	71.0	22.6	1.2	60.8	4.5	0.67	32.2	1.93
980731-2-3	apatite	16.6	21.9	64.1	21.7	1.3	54.7	3.5	0.64	31.3	1.88
Z980731-2.1	zircon	354.3	89.4		375.3	0.25	2922.4	3.7	0.74	86.2	6.9
Z980731-2.2	zircon	380.9	117.6		408.6	0.31	3081.7	2.7	0.71	86.6	6.9
Z980731-2.3	zircon	784.8	416.3		882.6	0.53	5548.5	3.5	0.72	71.0	5.7
980802-2B.1 41.820°N, 115.515°W	zircon	851.2	369.3		938.0	0.43	3511.8	5.3	0.76	40.4	3.2
Z980802-2B.2	zircon	425.6	175.1		466.7	0.41	1598.6	1.2	0.63	51.2	4.9
Z980802-2B.3	zircon	627.6	175.1		668.7	0.41	2198.6	1.2	0.63	48.2	3.9
980802-4-1 41.815°N, 115.535°W	zircon	341.8	42.9		351.9	0.13	1867.7	2.2	0.71	61.4	4.9
980802-4-3	zircon	235.3	56.8		248.6	0.24	1071.2	2.2	0.70	50.0	4.0
000714-1sp1 41.816°N, 115.478°W	titanite	130.7	76.4		148.6	0.6	595.9	24.7		32.8	1.6
000714-1sp2	titanite	90.4	54.4		103.2	0.6	473.4	21.1		37.6	1.9
000714-1sp3	titanite	100.1	63.2		115.0	0.6	578.0	29.7		41.1	2.1
000714-1sp4	titanite	97.9	135.8		129.8	1.4	995.2	23.6		62.6	3.1
970721-4C-sp1 41.786°N, 115.494°W	titanite	78.2	47.4		94.3	0.6	719.9	78.9		62.9	3.1
970721-4c-sp2	titanite	82.2	51.1		24.0	0.6	725.9	65.4		203.7	10.2
970721-4c-sp3	titanite	23.7	1.6		60.6	0.1	609.7	75.4		99.5	5.0
970721-4c-sp4	titanite	50.8	41.6		84.3	0.8	740.4	53.1		69.1	3.5

Section 6: Results from 40Ar/39Ar Step Heating Experiments

TABLE S3. $^{40}\text{Ar}/^{39}\text{Ar}$ EXPERIMENT SUMMARY

Sample number	Mineral	Run	K (wt %)	J value	% ^{39}Ar	$^{40}\text{Ar}/^{39}\text{Ar}$ age (Ma)	$2\sigma^*$	$2\sigma^\dagger$	MSWD
960702-1A	biotite	55C22	7.4	0.007360	83	41.84	0.10	0.28	5
970728-3	sanidine	60C13	4.0	0.015645	95	37.88	0.23	0.33	1
970709-3C	biotite	60C2	8.2	0.015723	88	94.21	0.30	0.66	12
970709-3C	k-feldspar	73A12		0.005985		71.87	1.59	1.65	43
970721-4C	hornblende	60C6	0.7	0.015702	89	108.19	0.40	0.79	12
970721-4C	biotite	60C4	8.1	0.015711	58	106.06	0.30	0.73	9
970721-4C	k-feldspar	73A21		0.005991		98.26	3.34	3.40	1.2
970726-5	biotite	60C11	1.2	0.015663	63	88.94	0.71	0.90	0.9
980730-1	hornblende	63B40	0.6	0.005187	95	106.47	0.30	0.73	4.8
980730-1	biotite	63B39	6.3	0.005188	89	102.72	0.30	0.71	2.7
980730-1	k-feldspar	73A30		0.005973		93.70	1.26	1.38	13
980730-3	hornblende	63B51	0.7	0.005173	88	105.05	0.40	0.77	5.4
980730-3	biotite	63B41	6.3	0.005188	66	100.49	1.21	1.37	7.6
980730-3	k-feldspar	73A3		0.005985		91.82	1.29	1.41	7.1
980730-4	biotite	63B43	6.3	0.005188	91	103.63	0.30	0.71	1.9
980730-7	biotite	63B44	6.0	0.005182	74	104.64	0.40	0.77	9.2
980802-2B	k-feldspar	73A46		0.005925		70.73	1.34	1.41	5.6
980802-3A	muscovite	63B46	7.5	0.005179	63	91.57	0.30	0.64	2.6
980802-3A	muscovite	63B55	7.8	0.005168	62	91.17	0.30	0.64	1.6
980802-3A	biotite	63B45	6.5	0.005181	59	54.50	0.71	0.78	35
980802-3A	biotite	63B54	6.8	0.005169	51	56.22	0.51	0.61	23
990704-1	plagioclase	66C17	0.3	0.005465	83	16.71	0.20	0.23	4
010801-5	hornblende	73C19	1.2	0.005971	71	29.58	0.20	0.27	2.6
010801-5	hornblende	73C20	1.3	0.005969	70	30.08	0.30	0.36	1.2
010801-5	biotite	73C17	2.1	0.005973	72	29.68	0.41	0.44	1.1
050719-4	biotite	76B2	5.8	0.007397	89	43.25	0.10	0.29	2.7
050720-3B	biotite	76B4	5.2	0.007400	89	40.32	0.20	0.32	1.6
050720-10	biotite	76B7	4.2	0.007406	73	32.92	0.20	0.29	2.4
050721-11	biotite	76B8	4.6	0.007409	52	42.04	0.30	0.40	2.4

*Analytical uncertainty.

[†]Fully propagated uncertainty.

Experiment: 55C22
 Sample: 960702-1A J-value: 0.007387 K wt. %: 7.4 Plateau range: 920-1160°C
 Material: Biotite ^{39}Ar %: 83 wt.: 1.72 mg Uncalibrated plateau age (Ma): 41.3 ± 0.1

T (°C)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	^{39}Ar %	^{40}Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2σ
										Age	Age	
500	31.870	0.3121	8.340	10.2900	1.458	2.14	4.57	6.3	18.5	19.2	2.0	
601	11.700	0.1909	4.311	3.1160	2.470	2.84	21.11	12.1	30.0	32.4	0.7	
650	11.330	0.1808	4.609	2.8220	2.969	1.48	26.21	11.3	31.7	38.9	0.8	
700	61.480	0.2197	7.424	20.1800	1.814	2.04	2.95	7.0	30.5	23.9	3.4	
725	33.970	0.1881	6.772	10.6700	2.433	0.85	7.16	7.8	33.2	32.0	2.8	
750	11.900	0.1919	4.689	2.9950	3.034	0.95	25.49	11.2	29.7	39.8	1.2	
775	8.821	0.1969	3.742	1.8210	3.417	0.95	38.74	14.0	28.6	44.7	0.9	
800	9.198	0.1962	3.716	2.0180	3.213	0.99	34.94	14.1	28.7	42.1	0.8	
830	8.006	0.1946	3.460	1.6300	3.166	1.22	39.54	15.1	28.9	41.5	0.6	
860	6.620	0.1913	2.565	1.1770	3.118	1.60	47.10	20.4	29.3	40.9	0.5	
890	5.319	0.1923	2.023	0.7058	3.210	2.23	60.35	25.9	29.0	42.0	0.3	
920	4.744	0.1885	1.656	0.5357	3.137	3.22	66.12	31.6	29.5	41.1	0.2	
950	4.350	0.1858	1.542	0.4028	3.136	4.44	72.08	33.9	30.0	41.1	0.2	
980	4.182	0.1860	1.377	0.3540	3.112	5.13	74.41	38.0	29.9	40.8	0.2	
1010	4.107	0.1855	1.511	0.3278	3.114	5.84	75.82	34.6	30.0	40.8	0.1	
1050	4.071	0.1882	1.728	0.3066	3.141	8.52	77.16	30.3	29.5	41.2	0.1	
1090	3.894	0.1850	1.988	0.2522	3.125	11.58	80.25	26.3	30.0	40.9	0.1	
1130	3.762	0.1856	2.252	0.2105	3.116	12.82	82.84	23.2	29.9	40.8	0.1	
1160	3.562	0.1854	2.548	0.1459	3.107	12.59	87.24	20.5	29.9	40.7	0.1	
1200	3.414	0.1881	4.980	0.1066	3.078	13.60	90.14	10.5	29.5	40.3	0.1	
1250	3.613	0.2428	40.870	0.1858	3.069	3.67	84.93	1.3	22.5	40.2	0.1	
1300	6.434	0.3983	133.000	1.2000	2.958	0.50	45.97	0.4	13.5	38.8	0.6	
1500	7.309	0.2865	64.160	1.4240	3.123	0.77	42.72	0.8	19.1	40.9	0.8	

Experiment: 60C13
 Sample: 970728-3 J-value: 0.015645 K wt. %: 4.3 Plateau range: 950-1275°C
 Material: Sanidine ³⁹Ar %: 86 wt.: 1.47 mg Uncalibrated plateau age (Ma): 37.4 ± 0.2

T (°C)	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	F	39Ar %	40Ar %	K/Ca	K/Cl	Apparent Age (Ma)	Error 2σ
650	4.589	0.0464	0.2753	1.134	1.238	1.60	27.10	1.9	156	34.6	2.9
700	60.320	0.3763	0.2986	19.460	2.812	1.22	4.70	1.8	16	77.7	24.9
750	2.290	0.2869	0.2248	0.137	1.890	1.76	83.40	2.3	19	52.6	7.6
800	1.852	0.0288	0.1085	0.155	1.378	2.63	75.40	4.8	297	38.5	1.6
850	1.868	0.0115	0.1231	0.156	1.394	2.86	75.60	4.3	1250	38.9	1.9
900	2.072	0.0132	0.1314	0.228	1.383	3.21	67.50	4.0	2660	38.6	1.2
950	2.086	0.0127	0.1707	0.245	1.352	3.75	65.60	3.1	3550	37.8	1.4
975	1.790	0.0130	0.2307	0.179	1.254	4.01	71.00	2.3	2840	35.1	1.7
1000	1.661	0.0120	0.1472	0.109	1.327	5.11	81.10	3.6	5210	37.1	0.8
1025	1.531	0.0115	0.0830	0.050	1.366	4.04	90.70	6.3	7880	38.2	0.9
1050	1.665	0.0122	0.0889	0.118	1.299	2.44	79.20	5.9	4260	36.3	1.6
1075	1.583	0.0118	0.1029	0.102	1.265	2.27	81.20	5.1	6510	35.4	1.5
1100	1.611	0.0119	0.0807	0.088	1.333	2.78	84.00	6.5	5310	37.2	1.2
1125	1.572	0.0119	0.0937	0.071	1.345	3.16	86.90	5.6	5080	37.6	1.1
1150	1.491	0.0120	0.0710	0.042	1.349	6.46	92.00	7.4	4570	37.7	0.7
1175	1.497	0.0117	0.0656	0.041	1.355	11.26	92.10	8.0	5980	37.9	0.3
1200	1.449	0.0121	0.0527	0.022	1.363	15.38	95.70	9.9	4070	38.1	0.3
1225	1.457	0.0118	0.0355	0.029	1.350	11.73	94.20	14.7	5610	37.7	0.4
1250	1.501	0.0119	0.0528	0.042	1.356	7.39	91.90	9.9	4900	37.9	0.5
1275	1.476	0.0119	0.0288	0.052	1.301	6.42	89.60	18.2	5080	36.4	0.9
1300	2.292	0.0122	0.0018	0.338	1.270	0.54	56.00	286.0	6320	35.5	6.3

Experiment: 60C2
 Sample: 970709-3C J-value: 0.015723 K wt. %: 8.2 Plateau range: 700-1110°C
 Material: Biotite ^{39}Ar %: 88 wt.: 2.59 mg Uncalibrated plateau age (Ma): 93.0 ± 0.3

T (°C)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	^{39}Ar %	^{40}Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2σ	
										Mean	Min	Max	
550	5.008	0.0428	0.0310	1.072	1.820	1.62	36.52	17	180	50.9	49.0	52.8	1.3
600	4.002	0.0408	0.0062	0.320	3.033	3.34	76.25	84	183	84.0	82.0	86.0	0.6
650	3.839	0.0410	0.0040	0.189	3.259	7.18	85.44	131	181	90.1	88.0	92.2	0.3
700	5.542	0.0430	0.0036	0.742	3.328	6.43	60.32	145	175	92.0	90.0	94.0	0.5
725	3.976	0.0411	0.0022	0.202	3.355	7.04	84.91	238	180	92.7	90.5	94.9	0.3
750	3.433	0.0409	0.0017	0.014	3.368	8.80	98.81	310	179	93.1	91.0	95.2	0.2
770	3.498	0.0414	0.0016	0.033	3.378	6.83	97.27	336	176	93.4	91.3	95.5	0.2
790	3.976	0.0416	0.0016	0.186	3.403	4.47	86.14	317	177	94.0	91.8	96.1	0.4
810	3.897	0.0420	0.0022	0.158	3.407	2.94	88.00	240	174	94.1	91.9	96.3	0.4
830	3.520	0.0415	0.0030	0.043	3.370	2.24	96.43	177	176	93.2	91.1	95.3	0.4
850	3.692	0.0411	0.0039	0.101	3.370	2.00	91.90	136	179	93.1	90.9	95.1	0.5
875	3.785	0.0417	0.0046	0.137	3.359	2.14	89.31	115	176	92.8	90.7	94.9	0.4
900	3.643	0.0416	0.0060	0.096	3.337	2.54	92.24	88	176	92.3	90.2	94.4	0.4
940	3.622	0.0398	0.0068	0.094	3.323	3.53	92.37	77	187	91.9	89.8	93.9	0.3
980	3.547	0.0400	0.0050	0.076	3.300	4.33	93.67	104	186	91.2	89.1	93.3	0.3
1010	3.495	0.0403	0.0041	0.049	3.327	5.32	95.89	127	184	92.0	90.0	94.0	0.2
1030	3.503	0.0401	0.0030	0.042	3.356	6.36	96.48	176	185	92.8	90.7	94.8	0.2
1050	3.505	0.0407	0.0040	0.040	3.364	6.16	96.67	131	181	93.0	90.9	94.9	0.2
1070	3.508	0.0414	0.0045	0.028	3.402	5.95	97.68	116	176	94.0	91.8	95.2	0.2
1090	3.515	0.0414	0.0046	0.035	3.388	6.89	97.07	113	177	93.6	91.5	95.7	0.2
1110	3.530	0.0417	0.0086	0.026	3.430	3.89	97.85	61	175	94.8	92.7	96.9	0.3

Experiment: 60C6
 Sample: 970721-4C J-value: 0.015702 K wt. %: 0.72 Plateau range: 800-1350°C
 Material: Hornblende ^{39}Ar %: 89 wt.: 6.27 mg Uncalibrated plateau age (Ma): 106.8 ± 0.4

T (°C)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	^{39}Ar %	^{40}Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2 σ
										(Ma)		
650	14.330	0.1404	1.7270	3.619	3.758	1.85	26.24	0.3	42.8	103.4	4.0	
750	46.840	0.1463	0.2466	14.310	4.549	1.27	9.71	2.1	48.5	124.5	9.8	
800	4.215	0.0944	0.1146	0.135	3.806	2.46	90.82	4.6	63.4	104.7	2.4	
850	7.354	0.0924	0.1642	1.252	3.646	1.78	49.74	3.2	66.7	100.4	3.7	
900	5.059	0.1081	0.4610	0.379	3.958	1.10	78.61	1.1	54.6	108.8	4.0	
950	6.118	0.1332	0.9927	0.757	3.946	0.94	64.72	0.5	43.5	108.5	4.0	
1000	5.635	0.1523	1.2230	0.596	3.958	1.98	70.49	0.4	37.4	108.8	2.2	
1020	4.558	0.1707	1.2950	0.262	3.873	3.21	85.36	0.4	32.9	106.5	1.5	
1040	4.270	0.2098	1.8150	0.183	3.865	4.48	90.93	0.3	26.4	106.3	1.2	
1060	4.277	0.4230	5.1180	0.264	3.915	6.92	91.75	0.1	12.7	107.6	0.8	
1075	4.063	0.5232	6.3810	0.239	3.886	13.60	95.81	0.1	10.2	106.8	0.4	
1090	4.117	0.5410	6.2290	0.244	3.913	11.83	95.21	0.1	9.8	107.6	0.5	
1105	3.995	0.5078	5.5890	0.204	3.853	9.68	96.68	0.1	10.5	106.0	0.5	
1120	4.517	0.5140	6.1070	0.376	3.912	3.48	86.72	0.1	10.4	107.6	1.9	
1140	4.298	0.6275	7.6030	0.369	3.840	4.06	89.40	0.1	8.4	105.6	1.5	
1160	4.524	0.6431	7.8820	0.413	3.962	3.43	87.57	0.1	8.2	108.9	1.5	
1180	4.354	0.6451	7.9460	0.388	3.869	2.25	88.89	0.1	8.2	106.4	2.1	
1200	4.390	0.6404	8.1710	0.393	3.910	1.87	89.08	0.1	8.3	107.5	3.3	
1225	4.489	0.6271	8.0830	0.454	3.820	1.56	85.09	0.1	8.5	105.1	2.8	
1250	4.626	0.6568	9.0480	0.455	4.038	1.11	87.22	0.1	8.1	110.9	6.1	
1275	4.573	0.6899	8.8110	0.536	3.726	1.52	81.41	0.1	7.7	102.6	2.6	
1300	4.461	0.6906	8.4970	0.421	3.928	2.71	88.03	0.1	7.7	108.0	1.7	
1350	4.119	0.7092	8.7220	0.320	3.905	8.74	94.80	0.1	7.4	107.4	0.8	
1400	4.258	0.6845	8.1500	0.330	3.964	8.18	93.14	0.1	7.7	108.9	0.7	

Experiment: 60C4
 Sample: 970721-4C J-value: 0.015711 K wt. %: 8.1 Plateau range: 1010-1110°C
 Material: Biotite ³⁹Ar %: 58 wt.: 4.01 mg Uncalibrated plateau age (Ma): 104.7 ± 0.3

T (°C)	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	F	³⁹ Ar %	⁴⁰ Ar %	K/Ca	K/Cl	Apparent Age (Ma)	
										Error 2σ	
550	5.914	0.0808	0.0516	1.2030	2.341	0.58	39.76	10.1	78.2	65.2	1.7
600	4.225	0.0858	0.0243	0.2186	3.560	0.89	84.76	21.5	70.9	98.2	0.8
650	4.213	0.0867	0.0085	0.1573	3.728	2.69	89.01	61.6	69.9	102.7	0.4
700	6.956	0.0916	0.0057	1.0660	3.787	3.10	54.64	91.1	67.0	104.3	0.6
725	4.366	0.0879	0.0042	0.1770	3.822	3.55	88.05	123.0	68.8	105.2	0.4
740	4.139	0.0879	0.0040	0.1039	3.811	4.33	92.64	130.0	68.7	104.9	0.2
760	4.155	0.0882	0.0048	0.1160	3.792	4.50	91.81	108.0	68.5	104.4	0.2
780	4.002	0.0870	0.0052	0.0544	3.821	4.23	96.06	101.0	69.5	105.2	0.2
800	3.960	0.0876	0.0079	0.0477	3.799	3.66	96.53	66.0	68.9	104.6	0.4
825	3.915	0.0872	0.0124	0.0229	3.827	2.84	98.39	42.1	69.2	105.3	0.3
850	4.070	0.0881	0.0173	0.0774	3.822	2.19	94.48	30.2	68.5	105.2	0.3
875	4.155	0.0875	0.0254	0.1005	3.839	1.64	92.95	20.6	69.1	105.7	0.5
900	3.989	0.0871	0.0284	0.0374	3.860	1.89	97.36	18.4	69.3	106.2	0.4
940	4.018	0.0882	0.0187	0.0377	3.887	2.80	97.34	28.0	68.4	106.9	0.3
980	3.975	0.0864	0.0115	0.0279	3.872	3.32	98.03	45.4	70.0	106.5	0.2
1010	3.900	0.0871	0.0068	0.0212	3.817	3.96	98.50	77.2	69.3	105.1	0.3
1030	3.879	0.0866	0.0054	0.0162	3.811	4.91	98.87	97.0	69.8	104.9	0.2
1050	3.853	0.0862	0.0035	0.0092	3.805	6.83	99.40	150.0	70.1	104.8	0.2
1070	3.874	0.0863	0.0037	0.0124	3.817	10.51	99.16	143.0	70.0	105.1	0.4
1090	3.851	0.0863	0.0021	0.0146	3.787	19.22	98.98	248.0	70.1	104.3	0.3
1110	3.855	0.0871	0.0044	0.0084	3.810	12.34	99.46	119.0	69.3	104.9	0.6

Experiment: 60C11
 Sample: 970726-5 J-value: 0.015663 K wt. %: 1.2 Plateau range: 710-1060°C
 Material: Biotite ³⁹Ar %: 63 wt.: 3.06 mg Uncalibrated plateau age (Ma): 87.8 ± 0.7

T (°C)	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	F	39Ar %	40Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2σ
550	6.096	0.1195	0.6350	1.955	0.347	19.78	5.70	0.8	49.7	9.8	1.2	
600	10.390	0.1123	0.2492	2.837	2.006	3.07	19.40	2.1	54.3	55.8	5.1	
650	9.864	0.0395	0.2038	2.696	1.889	3.85	19.20	2.6	221.0	52.6	4.3	
675	25.330	0.0450	0.1333	7.571	2.939	3.09	11.60	3.9	261.0	81.2	7.4	
690	28.500	0.0402	0.0550	8.400	3.655	2.39	12.80	9.5	383.0	100.4	7.1	
710	3.295	0.0118	0.0381	0.087	3.016	2.68	92.20	13.7	6300.0	83.3	3.0	
730	3.971	0.0122	0.0346	0.228	3.276	3.24	83.00	15.1	5490.0	90.3	2.2	
750	3.545	0.0120	0.0314	0.158	3.055	4.12	86.80	16.6	5840.0	84.3	2.3	
775	3.496	0.0121	0.0235	0.093	3.199	6.08	92.20	22.3	4570.0	88.2	0.9	
800	3.562	0.0132	0.0282	0.115	3.200	6.08	90.50	18.5	2390.0	88.2	1.4	
825	3.596	0.0132	0.0308	0.149	3.134	5.03	87.80	17.0	2480.0	86.5	1.3	
850	3.681	0.0125	0.0330	0.177	3.135	4.62	85.70	15.8	3880.0	86.5	1.5	
890	3.978	0.0131	0.0374	0.252	3.212	5.37	81.20	14.0	2830.0	88.5	2.3	
930	3.869	0.0129	0.0344	0.235	3.154	6.36	82.00	15.2	3050.0	87.0	1.3	
960	4.177	0.0133	0.0321	0.326	3.191	5.55	76.80	16.3	2670.0	88.0	1.4	
980	4.326	0.0136	0.0363	0.338	3.307	4.17	76.90	14.4	2390.0	91.1	2.7	
1000	4.370	0.0140	0.0489	0.375	3.241	3.22	74.60	10.7	2050.0	89.3	1.8	
1020	4.724	0.0144	0.0568	0.562	3.042	2.71	64.70	9.2	2060.0	84.0	5.1	
1040	5.469	0.0157	0.0791	0.703	3.373	2.09	62.00	6.6	1440.0	92.9	5.3	
1060	3.950	0.0165	0.1325	0.210	3.317	1.62	84.50	4.0	976.0	91.4	7.8	
1080	5.095	0.0173	0.1615	0.454	3.740	1.10	73.80	3.2	919.0	102.7	5.6	
1110	5.646	0.0175	0.3454	0.653	3.721	0.68	66.20	1.5	957.0	102.2	10.2	
1150	9.096	0.0288	0.4953	2.009	3.176	0.53	35.00	1.1	368.0	87.6	12.7	
1200	7.027	0.0206	0.3198	1.308	3.163	0.89	45.20	1.6	708.0	87.2	7.7	
1350	10.020	0.0268	0.7233	2.160	3.676	1.68	36.70	0.7	438.0	101.0	6.9	

Experiment: 63B40
 Sample: 980730-1 J-value: 0.005187 K wt. %: 0.6 Plateau range: 950-1340°C
 Material: Hornblende ³⁹Ar %: 95 wt.: 6.88 mg Uncalibrated plateau age (Ma): 105.3 ± 0.4

T (°C)	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	F	39Ar %	⁴⁰ Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2σ
575	86.49	0.7686	3.338	20.780	25.38	0.23	29.3	0.16	7.3	223.1	24.6	
650	25.39	0.1223	4.314	5.280	10.13	0.45	38.0	0.12	51.4	92.4	12.1	
750	307.60	0.2471	1.217	100.000	12.10	0.79	4.1	0.43	108.0	109.8	30.6	
850	19.24	0.0471	1.851	3.226	9.84	2.22	24.4	0.28	173.0	89.8	7.4	
950	22.61	0.1883	7.941	3.920	11.67	2.38	51.4	0.07	30.6	106.1	3.2	
980	13.40	0.2702	6.363	0.808	11.54	5.45	83.5	0.08	20.2	104.8	1.0	
1000	12.22	0.2612	6.378	0.398	11.56	16.78	94.2	0.08	20.9	105.1	0.4	
1020	11.91	0.2909	6.164	0.300	11.52	17.01	96.4	0.08	18.6	104.7	0.4	
1030	12.63	0.2985	6.329	0.575	11.44	4.60	92.4	0.08	18.2	104.0	0.9	
1050	13.12	0.2829	6.686	0.722	11.53	2.90	88.0	0.08	19.2	104.8	1.8	
1075	13.33	0.2788	6.513	0.746	11.66	4.57	87.3	0.08	19.5	106.0	1.1	
1100	13.31	0.2686	6.633	0.809	11.46	4.20	86.1	0.08	20.3	104.2	1.3	
1125	12.88	0.2421	6.917	0.475	12.04	1.93	91.8	0.08	22.6	109.3	2.2	
1150	12.29	0.3177	6.289	0.374	11.70	3.60	95.0	0.08	17.0	106.3	1.3	
1200	11.89	0.3032	6.372	0.282	11.58	21.89	97.2	0.08	17.8	105.2	0.4	
1250	12.29	0.3000	6.574	0.338	11.83	4.32	96.6	0.08	18.0	107.4	1.0	
1280	12.48	0.3177	6.282	0.370	11.90	1.83	95.3	0.08	17.0	108.0	2.7	
1310	12.31	0.2949	6.397	0.436	11.54	1.85	93.8	0.08	18.4	104.9	2.3	
1340	12.40	0.3236	6.439	0.463	11.56	1.66	93.1	0.08	16.7	105.0	2.5	
1380	13.18	0.3205	6.087	0.600	11.90	0.97	90.6	0.09	16.9	108.0	4.2	
1400	17.32	0.3041	6.395	1.792	12.55	0.35	75.6	0.08	18.0	113.8	11.0	

Experiment: 63B39
 Sample: 980730-1 J-value: 0.005188 K wt. %: 6.3 Plateau range: 650-1060°C
 Material: Biotite ^{39}Ar %: 89 wt.: 3.12 mg Uncalibrated plateau age (Ma): 101.7 ± 0.3

T (°C)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	^{39}Ar %	^{40}Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2σ
550	21.100	0.1363	0.0769	3.7120	10.12	0.65	48.0	6.8	44	92.3	2.0	
600	12.610	0.0256	0.0419	0.8490	10.09	2.21	78.5	12.5	395	92.1	0.7	
650	12.270	0.0259	0.0229	0.3570	11.20	4.45	90.9	22.8	362	101.9	0.4	
675	11.860	0.0258	0.0234	0.2280	11.17	3.80	94.0	22.3	357	101.6	0.4	
700	19.130	0.0293	0.0186	2.6440	11.30	5.05	60.6	28.2	385	102.8	0.7	
720	12.930	0.0258	0.0144	0.5870	11.18	4.51	82.2	36.3	375	101.7	0.5	
740	11.500	0.0249	0.0137	0.0940	11.20	5.93	96.8	38.2	375	101.9	0.3	
760	11.350	0.0247	0.0147	0.0550	11.17	6.36	98.5	35.6	378	101.7	0.2	
780	11.300	0.0246	0.0163	0.0520	11.13	5.10	98.6	32.1	382	101.3	0.3	
800	11.310	0.0245	0.0197	0.0490	11.16	4.87	98.7	26.5	384	101.5	0.3	
820	11.400	0.0245	0.0283	0.0730	11.17	3.36	98.2	18.5	383	101.6	0.4	
840	11.440	0.0235	0.0386	0.0890	11.16	2.26	97.8	13.5	417	101.5	0.4	
860	11.590	0.0233	0.0436	0.1810	11.04	1.79	95.7	12.0	430	100.5	0.5	
890	13.070	0.0244	0.0347	0.6120	11.25	2.38	86.7	15.1	417	102.3	0.6	
830	11.990	0.0241	0.0248	0.2320	11.29	3.17	93.7	21.0	405	102.7	0.4	
890	11.810	0.0250	0.0161	0.1840	11.26	6.56	95.4	32.6	376	102.4	0.3	
1020	11.450	0.0251	0.0133	0.1070	11.12	13.18	97.2	39.5	371	101.2	0.5	
1040	11.360	0.0240	0.0095	0.0400	11.23	8.66	98.7	55.3	396	102.1	0.2	
1050	11.310	0.0239	0.0142	0.0580	11.12	5.38	98.6	36.7	401	101.2	0.3	
1060	11.330	0.0227	0.0252	0.0680	11.12	2.59	98.3	20.8	443	101.2	0.4	
1070	11.280	0.0222	0.0441	0.1150	10.93	1.31	97.2	11.8	464	99.5	0.7	
1080	11.250	0.0199	0.1042	0.1980	10.66	0.64	95.2	5.0	594	97.1	1.2	
1090	11.040	0.0131	0.1574	0.1800	10.50	0.35	95.2	3.3	2600	95.7	2.3	
1100	11.200	0.0147	0.1906	0.2500	10.46	0.34	93.7	2.7	1500	95.3	2.2	
1150	11.120	0.0133	0.1884	0.1510	10.67	0.79	96.0	2.8	2360	97.2	1.2	

1200	11.070	0.0137	0.0860	0.0910	10.79	1.58	97.5	6.1	1910	98.3	0.6
1600	11.960	0.0153	0.1231	0.4350	10.66	2.74	89.7	4.3	1390	97.1	0.5

Experiment: 63B51

Sample: 980730-3 J-value: 0.005173 K wt. %: 0.7 Plateau range: 1025-1360°C
 Material: Hornblende ³⁹Ar %: 88 wt.: 6.61 mg Uncalibrated plateau age (Ma): 104.0 ± 0.5

T (°C)	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	F	³⁹ Ar %	⁴⁰ Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2σ
										K/Ca	Apparent Age (Ma)	
600	51.62	0.1226	1.353	16.010	4.407	1.01	8.5	0.39	63.9	40.7	8.1	
700	556.10	0.4094	1.817	185.800	7.055	0.76	1.4	0.29	106.0	64.7	52.8	
800	33.29	0.0506	0.699	7.978	9.761	2.11	12.7	0.75	211.0	88.9	10.9	
900	87.62	0.0928	2.306	26.980	8.078	1.54	9.6	0.23	167.0	73.9	8.5	
1000	15.81	0.2217	8.909	1.808	11.200	4.38	58.8	0.06	25.1	101.6	1.8	
1025	12.79	0.2861	5.832	0.619	11.430	5.98	87.9	0.09	19.0	103.7	0.8	
1040	12.16	0.2699	5.992	0.423	11.400	10.66	93.4	0.09	20.2	103.4	0.4	
1050	12.17	0.2937	5.738	0.448	11.310	7.02	93.0	0.09	18.5	102.6	0.7	
1060	12.51	0.2979	5.842	0.514	11.460	4.30	91.7	0.09	18.2	103.9	0.9	
1070	13.21	0.3055	6.077	0.819	11.280	2.44	86.2	0.09	17.8	102.3	1.4	
1080	13.96	0.3053	6.575	0.931	11.750	1.83	84.2	0.08	17.8	106.5	1.9	
1090	14.33	0.2866	6.598	1.118	11.560	1.64	80.9	0.08	19.0	104.8	2.3	
1105	13.89	0.2965	6.242	1.017	11.400	2.31	81.8	0.08	18.4	103.3	1.7	
1120	14.47	0.2869	5.941	1.295	11.120	2.79	77.2	0.09	19.0	100.9	1.4	
1145	17.63	0.3394	5.918	2.190	11.640	2.88	66.7	0.09	16.0	105.5	1.5	
1170	16.61	0.3585	5.655	1.950	11.300	4.09	67.9	0.09	15.1	102.5	1.3	
1195	14.62	0.3680	5.595	1.239	11.410	7.41	77.4	0.09	14.7	103.5	0.8	
1220	15.74	0.3488	5.968	1.541	11.670	5.95	74.5	0.09	15.5	105.8	1.0	
1245	15.03	0.3337	6.061	1.386	11.430	7.30	75.8	0.09	16.3	103.7	0.8	
1280	13.64	0.3408	5.980	0.860	11.590	11.94	84.3	0.09	15.9	105.0	0.6	
1310	18.25	0.3090	7.049	2.377	11.800	4.45	68.4	0.07	17.7	106.9	1.1	

1360	17.10	0.3343	5.757	2.062	11.480	4.60	66.8	0.09	16.3	104.0	1.2
1400	30.23	0.3443	5.804	6.286	12.130	1.69	43.9	0.09	16.2	109.8	3.5
1600	76.25	0.3009	5.744	21.860	12.130	0.92	17.4	0.09	20.9	109.8	7.6

Experiment: 63B41

Sample: 980730-3 J-value: 0.005188 K wt. %: 6.3 Plateau range: 700-800°C,
 Material: Biotite ³⁹Ar %: 66 wt.: 3.12 mg Uncalibrated plateau age (Ma): 101.3 ± 0.3 1050-1090°C

T (°C)	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	F	³⁹ Ar %	⁴⁰ Ar %	K/Ca	K/Cl	Apparent Age (Ma)	Error 2σ
600	28.91	0.0519	0.0551	7.408	7.01	2.73	24.3	9.5	192	64.4	1.8
650	15.88	0.0238	0.0200	1.905	10.23	7.10	61.7	26.2	555	93.3	0.6
700	19.63	0.0264	0.0183	2.874	11.12	7.86	57.2	28.6	508	101.2	0.7
725	16.57	0.0238	0.0172	1.821	11.17	7.48	66.2	30.4	546	101.6	0.6
750	12.06	0.0211	0.0168	0.276	11.23	8.53	90.5	31.1	530	102.1	0.3
775	12.20	0.0212	0.0203	0.330	11.21	7.73	92.1	25.8	533	101.9	0.4
800	12.77	0.0217	0.0294	0.574	11.06	5.19	87.4	17.8	530	100.7	0.4
826	15.39	0.0227	0.0461	1.573	10.73	3.06	71.9	11.3	583	97.7	0.6
850	20.65	0.0240	0.0656	3.649	9.86	2.16	49.8	8.0	822	90.0	1.4
875	24.14	0.0290	0.0755	4.993	9.38	1.87	39.7	6.9	590	85.7	1.3
900	23.98	0.0278	0.0811	4.817	9.73	1.48	40.4	6.5	657	88.8	2.2
950	19.84	0.0255	0.0676	3.367	9.89	3.33	49.4	7.7	623	90.2	1.1
1000	13.59	0.0214	0.0398	0.917	10.87	6.20	77.8	13.2	589	98.9	0.4
1050	11.84	0.0216	0.0294	0.237	11.13	17.97	93.6	17.8	504	101.2	0.5
1070	11.47	0.0207	0.0285	0.157	11.00	7.96	95.6	18.4	543	100.1	0.3
1090	11.60	0.0195	0.0678	0.148	11.15	3.06	96.2	7.7	620	101.4	0.5
1110	11.68	0.0176	0.1732	0.280	10.85	1.29	93.6	3.0	827	98.7	0.9
1130	11.83	0.0163	0.2333	0.362	10.76	0.78	91.4	2.2	1080	98.0	1.3
1150	11.52	0.0147	0.2055	0.263	10.75	0.76	93.2	2.5	1510	97.8	1.6
1170	11.42	0.0135	0.1481	0.222	10.77	0.81	94.3	3.5	2270	98.0	1.2

1190	11.35	0.0133	0.1172	0.204	10.74	0.87	94.7	4.5	2500	97.8	1.1
1220	11.85	0.0132	0.0610	0.370	10.75	1.05	91.1	8.6	2960	97.8	1.2
1250	11.37	0.0142	0.0680	0.196	10.78	0.74	94.4	7.7	1710	98.1	1.4

Experiment: 63B43

Sample: 980730-4 J-value: 0.005188 K wt. %: 6.3 Plateau range: 675-1050°C
 Material: Biotite ³⁹Ar %: 91 wt.: 3.12 mg Uncalibrated plateau age (Ma): 102.6 ± 0.3

T (°C)	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	F	39Ar %	⁴⁰ Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2σ
										Mean	Unc.	
550	17.24	0.0688	0.1455	3.967	5.51	0.63	32.0	3.6	103	50.8	2.2	
600	11.93	0.0253	0.0648	1.439	7.66	1.64	62.5	8.1	440	70.3	0.8	
625	12.79	0.0231	0.0218	0.740	10.59	2.90	82.0	23.9	476	96.4	0.5	
650	12.30	0.0223	0.0162	0.394	11.12	3.50	89.9	32.2	485	101.1	0.4	
675	11.94	0.0214	0.0095	0.223	11.27	4.94	94.2	55.2	509	102.4	0.3	
700	17.88	0.0254	0.0068	2.183	11.41	4.88	65.8	77.1	494	103.6	0.6	
720	11.70	0.0214	0.0063	0.135	11.28	6.19	92.9	83.5	504	102.5	0.3	
740	12.01	0.0215	0.0062	0.244	11.28	6.08	94.2	83.9	509	102.5	0.3	
760	11.99	0.0217	0.0061	0.250	11.24	5.19	93.8	85.4	499	102.1	0.3	
780	11.85	0.0214	0.0077	0.177	11.32	3.95	95.4	68.0	509	102.8	0.3	
800	11.99	0.0221	0.0100	0.210	11.36	2.78	94.9	52.1	476	103.2	0.4	
820	12.10	0.0208	0.0134	0.282	11.26	2.15	93.3	39.2	549	102.3	0.5	
840	13.99	0.0225	0.0119	0.903	11.31	1.68	82.1	44.1	519	102.8	0.8	
860	23.74	0.0278	0.0252	4.204	11.30	1.82	49.3	20.8	574	102.7	1.2	
890	12.97	0.0215	0.0277	0.531	11.39	3.21	83.9	18.9	536	103.5	0.5	
930	12.28	0.0218	0.0165	0.313	11.34	7.34	92.3	31.7	502	103.1	0.3	
980	13.44	0.0231	0.0138	0.751	11.20	17.06	83.8	38.0	479	101.8	0.5	
1020	11.62	0.0216	0.0145	0.094	11.33	13.65	95.7	36.1	492	103.0	0.5	
1030	11.68	0.0215	0.0149	0.118	11.31	6.06	97.1	35.1	498	102.8	0.2	
1040	11.53	0.0213	0.0328	0.055	11.35	2.47	98.3	15.9	502	103.1	0.4	

1050	11.66	0.0201	0.0725	0.115	11.31	1.12	97.4	7.2	573	102.8	0.8
1060	11.95	0.0211	0.1589	0.100	11.65	0.48	97.5	3.3	514	105.8	1.6
1075	12.80	0.0165	0.5403	0.643	10.93	0.17	88.1	1.0	1160	99.4	4.2
1100	13.84	0.0137	0.9046	0.516	12.37	0.10	89.0	0.6	2770	112.1	7.2

Experiment: 63B44

Sample:	980730-7	J-value:	0.005182	K wt. %:	6.0	Plateau range:	675-800°C, 980-1070°C
Material:	Biotite	³⁹ Ar %:	74	wt.:	3.89 mg	Uncalibrated plateau age (Ma):	104.0 ± 0.3

T (°C)	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	F	³⁹ Ar %	⁴⁰ Ar %	K/Ca	K/Cl	Apparent Age (Ma)	Error 2σ
600	16.96	0.0361	0.0504	3.107	7.76	2.08	45.80	10.4	268	71.2	1.0
625	13.24	0.0284	0.0117	0.928	10.48	6.25	77.80	44.8	329	95.4	0.4
650	12.42	0.0270	0.0090	0.441	11.10	5.85	88.40	58.1	340	100.9	0.3
675	12.19	0.0267	0.0072	0.235	11.48	6.16	93.90	72.6	337	104.2	0.3
700	15.84	0.0286	0.0074	1.431	11.60	7.54	74.50	71.1	345	105.3	0.4
720	12.02	0.0259	0.0068	0.143	11.58	7.55	93.60	76.8	351	105.1	0.3
740	13.25	0.0270	0.0068	0.573	11.55	4.96	88.30	76.4	344	104.8	0.3
760	12.27	0.0269	0.0098	0.252	11.51	3.64	93.10	53.6	334	104.5	0.4
780	12.31	0.0261	0.0148	0.292	11.43	2.44	93.10	35.3	352	103.8	0.4
800	12.80	0.0278	0.0208	0.480	11.36	1.67	89.40	25.1	324	103.2	0.6
820	13.39	0.0272	0.0253	0.758	11.14	1.35	83.90	20.7	347	101.2	0.7
840	13.87	0.0270	0.0306	0.919	11.14	1.14	80.70	17.1	360	101.2	0.7
860	14.23	0.0281	0.0306	1.106	10.95	1.25	77.30	17.1	342	99.6	0.9
890	14.07	0.0272	0.0362	1.065	10.91	2.02	77.60	14.5	363	99.2	0.6
930	13.00	0.0276	0.0248	0.615	11.17	5.13	85.70	21.1	333	101.5	0.4
980	12.50	0.0268	0.0179	0.390	11.33	5.62	90.30	29.2	342	103.0	0.3
1000	12.17	0.0263	0.0213	0.290	11.30	5.84	92.80	24.6	349	102.7	0.3
1010	11.92	0.0269	0.0304	0.183	11.37	6.00	95.30	17.2	330	103.2	0.3
1020	11.80	0.0274	0.0575	0.130	11.40	5.35	96.70	9.1	320	103.6	0.3

1030	11.76	0.0292	0.1259	0.109	11.43	5.70	97.30	4.2	286	103.9	0.3
1040	11.73	0.0282	0.0940	0.102	11.42	5.06	97.50	5.6	303	103.8	0.3
1050	11.75	0.0265	0.0431	0.094	11.46	3.65	97.70	12.1	335	104.1	0.3
1060	11.81	0.0266	0.0573	0.099	11.51	1.86	97.60	9.1	334	104.5	0.5
1070	11.87	0.0271	0.1290	0.132	11.48	0.94	96.90	4.1	325	104.2	0.8
1100	12.01	0.0284	0.3988	0.139	11.62	0.72	96.80	1.3	302	105.5	1.0
1200	12.78	0.0357	1.7640	0.629	11.05	0.22	89.30	0.3	221	100.5	3.3

Experiment: 63B45

Sample: 980802-3A J-value: 0.005181 K wt. %: 6.5 Plateau range: 600-780°C
 Material: Biotite ³⁹Ar %: 59 wt.: 4.28 mg Uncalibrated plateau age (Ma): 53.8 ± 0.7

T (°C)	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	F	³⁹ Ar %	⁴⁰ Ar %	K/Ca	K/Cl	Apparent Age (Ma)	
										Error 2σ	
550	7.618	0.0405	0.0075	1.274	3.84	10.15	50.5	70.0	191	35.5	0.3
600	8.208	0.0395	0.0056	0.883	5.58	12.31	66.8	93.3	193	51.4	0.2
650	8.444	0.0394	0.0061	0.833	5.97	9.66	70.5	86.4	193	54.9	0.2
675	8.462	0.0394	0.0058	0.810	6.05	9.42	71.6	90.5	193	55.7	0.3
700	11.440	0.0409	0.0051	1.815	6.06	7.97	54.5	102.0	196	55.8	0.4
720	8.771	0.0392	0.0059	0.975	5.87	7.28	65.3	88.0	196	54.1	0.3
740	8.401	0.0378	0.0057	0.920	5.67	5.79	67.5	92.1	206	52.2	0.3
760	8.326	0.0357	0.0065	0.907	5.63	4.04	67.7	80.3	225	51.9	0.4
780	8.461	0.0320	0.0075	0.863	5.90	2.72	69.6	69.9	267	54.3	0.5
800	9.059	0.0268	0.0057	0.648	7.13	2.31	78.0	91.2	353	65.4	0.4
820	9.117	0.0267	0.0089	0.641	7.21	2.08	79.2	58.5	355	66.1	0.6
840	9.310	0.0282	0.0067	0.732	7.13	2.16	77.0	78.1	325	65.5	0.4
860	9.578	0.0228	0.0056	0.506	8.07	3.52	84.0	93.0	472	73.9	0.3
890	9.752	0.0194	0.0050	0.335	8.75	5.12	89.5	104.0	652	80.0	0.2
930	10.130	0.0218	0.0119	0.564	8.45	4.63	84.2	43.8	522	77.3	0.3
980	9.944	0.0279	0.0135	0.769	7.66	2.41	78.3	38.7	333	70.2	0.5

1000	10.250	0.0279	0.0165	0.841	7.75	1.65	75.9	31.6	336	71.0	0.6
1010	10.610	0.0280	0.0237	0.961	7.76	1.21	73.5	22.1	338	71.1	0.7
1020	10.350	0.0257	0.0306	0.723	8.20	0.84	78.6	17.1	383	75.1	1.0
1030	10.200	0.0231	0.0373	0.524	8.64	0.69	84.2	14.0	461	79.0	1.0
1040	9.982	0.0205	0.0360	0.369	8.88	0.69	88.7	14.5	577	81.1	0.9
1050	10.120	0.0181	0.0299	0.240	9.40	0.60	92.6	17.5	763	85.8	1.0
1060	10.330	0.0149	0.0378	0.274	9.51	0.57	92.3	13.8	1430	86.7	1.1
1070	10.350	0.0134	0.0318	0.164	9.85	0.68	95.1	16.5	2260	89.8	0.9
1150	10.500	0.0128	0.0388	0.097	10.20	1.21	97.2	13.5	2840	92.9	0.6
1200	11.990	0.0122	0.1780	0.383	10.86	0.30	92.9	2.9	8070	98.8	1.8

Experiment: 63B54

Sample: 980802-3A J-value: 0.005169 K wt. %: 6.8 Plateau range: 640-750°C
 Material: Biotite ³⁹Ar %: 51 wt.: 3.75 mg Uncalibrated plateau age (Ma): 55.5 ± 0.5

T (°C)	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	F	³⁹ Ar %	⁴⁰ Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2σ
										K/Ca	K/Cl	
500	9.214	0.0411	0.0182	2.009	3.26	2.96	35.5	28.7	196	30.2	0.6	
550	7.699	0.0396	0.0068	1.200	4.14	5.00	52.6	77.2	196	38.2	0.4	
600	8.234	0.0396	0.0054	0.946	5.42	9.70	65.5	96.7	193	49.9	0.3	
640	8.627	0.0397	0.0063	0.844	6.12	11.80	70.7	83.4	191	56.2	0.2	
675	8.649	0.0392	0.0055	0.836	6.16	11.95	71.4	94.8	195	56.6	0.2	
700	11.980	0.0411	0.0063	1.977	6.13	7.96	53.2	82.7	196	56.3	0.4	
710	8.461	0.0379	0.0060	0.834	5.98	6.69	67.9	87.2	204	54.9	0.3	
720	8.648	0.0375	0.0058	0.938	5.86	4.83	68.2	89.9	209	53.8	0.4	
730	8.756	0.0370	0.0075	1.007	5.77	3.42	66.2	69.8	215	53.0	0.4	
740	9.504	0.0367	0.0097	1.225	5.87	2.30	62.4	54.1	221	53.9	0.6	
750	8.933	0.0343	0.0087	0.980	6.02	1.83	66.9	60.0	241	55.3	0.6	
760	9.102	0.0305	0.0093	0.884	6.48	1.67	70.9	56.0	289	59.4	0.6	
775	9.312	0.0285	0.0099	0.862	6.75	1.64	72.5	52.9	324	61.9	0.6	

790	9.845	0.0284	0.0105	0.951	7.02	1.62	71.5	49.7	329	64.3	0.7
810	12.030	0.0313	0.0091	1.688	7.03	1.67	59.4	57.5	300	64.4	0.8
825	9.751	0.0269	0.0112	0.818	7.32	1.41	72.9	46.7	358	67.0	0.6
850	10.090	0.0250	0.0089	0.754	7.85	1.80	77.7	59.1	407	71.7	0.6
875	10.080	0.0195	0.0054	0.414	8.85	3.15	87.3	97.4	653	80.7	0.4
900	10.090	0.0200	0.0066	0.437	8.79	2.89	87.3	79.8	621	80.1	0.3
930	10.240	0.0192	0.0093	0.433	8.94	2.79	87.5	56.1	689	81.5	0.4
960	10.410	0.0215	0.0145	0.542	8.79	2.37	84.9	36.0	536	80.2	0.5
990	10.430	0.0269	0.0157	0.749	8.20	2.00	79.4	33.3	354	74.9	0.5
1010	10.480	0.0270	0.0142	0.811	8.07	1.57	77.3	36.7	356	73.7	0.6
1040	10.540	0.0259	0.0199	0.769	8.25	1.50	78.3	26.2	381	75.3	0.6
1070	10.820	0.0228	0.0223	0.643	8.90	1.54	82.1	23.5	483	81.2	0.6
1100	10.970	0.0155	0.0216	0.352	9.92	2.05	90.0	24.2	1280	90.2	0.4
1180	11.670	0.0140	0.0545	0.481	10.24	1.88	88.1	9.6	2240	93.0	0.5

Experiment: 63B46

Sample: 980802-3A J-value: 0.005179 K wt. %: 7.5 Plateau range: 830-1030°C
 Material: Muscovite ^{39}Ar %: 63 wt.: 3.19 mg Uncalibrated plateau age (Ma): 90.4 ± 0.3

T (°C)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	^{39}Ar %	^{40}Ar %	K/Ca	K/Cl	Apparent Age	
										(Ma)	Error 2 σ
550	12.840	0.0106	0.1869	0.535	11.26	0.03	87.8	2.8	455	102.2	21.9
600	9.968	0.0201	0.0286	0.465	8.58	0.38	86.2	18.3	619	78.4	1.9
650	9.459	0.0187	0.0161	0.298	8.56	0.73	90.5	32.5	713	78.3	1.0
700	14.450	0.0237	0.0138	2.049	8.38	1.14	59.4	37.9	575	76.6	1.2
750	11.130	0.0161	0.0065	0.791	8.78	1.82	77.4	80.4	1370	80.2	0.7
775	9.498	0.0120	0.0053	0.122	9.12	1.91	94.4	99.3	4980	83.3	0.5
800	9.828	0.0122	0.0026	0.080	9.58	4.53	97.6	204.0	3940	87.3	0.2
830	10.070	0.0119	0.0029	0.041	9.93	16.57	98.8	179.0	4990	90.5	0.3
860	10.050	0.0123	0.0016	0.053	9.87	9.84	98.5	330.0	3780	90.0	0.2

890	10.150	0.0121	0.0021	0.066	9.94	10.03	98.1	245.0	4230	90.5	0.2
920	10.070	0.0121	0.0028	0.040	9.94	8.71	98.8	188.0	4000	90.5	0.2
950	10.080	0.0123	0.0035	0.057	9.90	5.66	98.4	151.0	3650	90.2	0.2
970	10.170	0.0123	0.0061	0.104	9.85	3.77	97.2	86.2	4040	89.7	0.3
1010	10.130	0.0123	0.0080	0.056	9.95	4.41	98.3	65.6	3730	90.6	0.2
1030	10.130	0.0127	0.0087	0.048	9.98	3.79	98.6	59.9	2820	90.9	0.2
1050	10.160	0.0129	0.0112	0.029	10.06	4.22	99.1	46.8	2530	91.6	0.2
1070	10.180	0.0120	0.0089	0.030	10.08	5.07	99.1	58.5	4610	91.8	0.2
1080	10.190	0.0120	0.0074	0.016	10.12	4.45	99.5	70.9	4440	92.2	0.2
1090	10.280	0.0126	0.0084	0.030	10.18	4.00	99.2	62.2	2910	92.7	0.3
1100	10.290	0.0119	0.0107	0.020	10.21	2.96	99.4	48.7	5000	93.0	0.3
1120	10.340	0.0124	0.0142	0.016	10.28	2.63	99.5	36.9	3200	93.6	0.3
1140	10.420	0.0123	0.0186	0.046	10.27	2.17	98.8	28.2	3750	93.5	0.4
1160	10.560	0.0118	0.0623	0.033	10.45	0.94	99.0	8.4	5480	95.1	0.8
1200	11.570	0.0127	0.3403	0.443	10.27	0.25	91.7	1.5	4950	93.5	2.5

Experiment: 63B55

Sample:	980802-3A	J-value:	0.005168	K wt. %:	7.8	Plateau range:	800-1060°C
Material:	Muscovite	³⁹ Ar %:	62	wt.:	3.16 mg	Uncalibrated plateau age (Ma):	90.0 ± 0.3

T (°C)	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	F	³⁹ Ar %	⁴⁰ Ar %	K/Ca	K/Cl	Apparent Age	
										(Ma)	Error 2σ
600	12.500	0.0258	0.0143	1.650	7.61	1.32	61.0	36.7	437	69.6	0.7
700	28.170	0.0292	0.0146	6.566	8.75	1.84	32.0	35.9	852	79.8	1.5
750	9.658	0.0133	0.0070	0.224	8.98	2.76	81.5	74.3	2530	81.8	0.5
780	10.090	0.0127	0.0045	0.201	9.48	4.21	94.1	117.0	3410	86.3	0.3
800	10.180	0.0123	0.0016	0.102	9.86	11.44	96.9	336.0	4020	89.7	0.2
810	10.380	0.0124	0.0055	0.237	9.66	3.84	94.3	94.5	4260	87.9	0.3
820	10.430	0.0131	0.0063	0.248	9.68	2.54	93.0	83.4	2740	88.1	0.4
830	10.580	0.0125	0.0079	0.277	9.74	2.23	92.3	66.5	4330	88.6	0.4

840	10.570	0.0122	0.0068	0.258	9.80	2.37	92.7	77.0	5330	89.1	0.4
850	10.740	0.0126	0.0049	0.267	9.94	2.59	92.7	107.0	3930	90.4	0.3
860	10.510	0.0125	0.0053	0.195	9.92	2.72	94.3	97.8	3720	90.2	0.3
870	10.480	0.0124	0.0041	0.193	9.90	2.73	94.5	128.0	4050	90.0	0.3
880	10.540	0.0126	0.0059	0.234	9.84	2.58	93.5	89.3	3730	89.5	0.4
890	10.620	0.0123	0.0082	0.233	9.92	2.26	93.5	63.5	4610	90.2	0.4
900	10.690	0.0125	0.0091	0.253	9.93	1.97	93.1	57.2	4030	90.3	0.5
940	10.480	0.0127	0.0045	0.170	9.96	3.73	95.1	117.0	3330	90.5	0.3
980	10.350	0.0122	0.0039	0.128	9.95	6.09	96.3	133.0	4240	90.5	0.2
1020	10.360	0.0124	0.0051	0.122	9.99	6.25	96.5	102.0	3700	90.8	0.2
1060	10.300	0.0123	0.0054	0.095	10.00	8.89	97.2	97.2	3950	90.9	0.2
1100	10.350	0.0129	0.0079	0.074	10.12	13.58	97.9	66.1	2680	92.0	0.4
1140	10.500	0.0130	0.0108	0.056	10.32	11.65	98.4	48.2	2430	93.8	0.4
1180	12.730	0.0124	0.0686	0.848	10.21	1.93	88.4	7.6	2540	92.8	0.5
1250	18.020	0.0180	0.2076	2.597	10.35	0.48	61.1	2.5	2260	94.0	1.6

Experiment: 73C19

Sample: 010801-5

J-value: 0.005971

K wt. %: 1.2

Plateau range: 923-1258°C

Material: Hornblende

³⁹Ar %: 71

wt.: 13.35 mg

Uncalibrated plateau age (Ma): 29.2 ± 0.2

T (°C)	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	F	39Ar %	⁴⁰ Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2σ
										K/Ca	K/Cl	
427	12.310	0.7125	0.2254	3.595	1.692	4.93	13.77	2.32	7.5	18.1	0.9	
605	11.320	0.1237	0.1760	3.127	2.065	7.99	18.30	2.97	49.2	22.1	0.8	
653	17.360	0.1103	0.1422	5.008	2.551	2.62	14.72	3.68	58.6	27.3	1.4	
701	10.270	0.1142	0.1886	2.678	2.342	1.47	22.87	2.77	53.6	25.0	1.9	
752	11.310	0.1293	0.3369	2.914	2.703	0.89	23.95	1.55	46.6	28.9	2.9	
804	12.650	0.1323	0.3467	3.211	3.164	1.19	25.07	1.51	45.6	33.8	2.4	
831	12.800	0.1258	0.3078	3.542	2.332	1.05	18.26	1.70	48.6	25.0	2.8	

857	12.740	0.1269	0.3237	3.378	2.756	1.31	21.68	1.62	48.0	29.4	2.4
884	12.060	0.1342	0.3586	3.309	2.285	1.56	18.99	1.46	44.9	24.4	2.0
901	11.290	0.1357	0.3710	2.912	2.690	1.80	23.89	1.41	44.1	28.7	1.8
911	10.640	0.1444	0.4075	2.776	2.446	1.99	23.05	1.28	41.0	26.2	1.6
923	10.240	0.1527	0.4841	2.530	2.782	2.52	27.23	1.08	38.3	29.7	1.3
934	9.845	0.1618	0.5722	2.455	2.615	3.29	26.63	0.91	35.9	27.9	1.1
944	9.520	0.1799	0.7321	2.356	2.596	3.90	27.34	0.71	31.9	27.7	0.9
955	9.099	0.2180	1.1500	2.167	2.774	5.48	30.56	0.46	25.8	29.6	0.7
967	8.187	0.2851	1.7850	1.873	2.790	4.93	34.15	0.29	19.3	29.8	0.7
978	6.742	0.4009	2.9780	1.452	2.695	4.32	40.07	0.18	13.5	28.8	0.8
989	4.341	0.5891	4.7890	0.705	2.667	4.05	61.65	0.11	9.0	28.5	0.7
1000	3.440	0.6642	5.4910	0.407	2.714	5.31	79.25	0.10	8.0	29.0	0.5
1012	3.260	0.6679	5.4860	0.334	2.748	7.25	84.73	0.10	7.9	29.4	0.4
1023	3.160	0.6745	5.6590	0.298	2.772	7.91	88.18	0.09	7.9	29.6	0.4
1055	3.077	0.6634	5.6390	0.290	2.710	11.33	88.58	0.09	8.0	29.0	0.3
1080	3.419	0.6752	5.7650	0.363	2.847	4.00	83.66	0.09	7.9	30.4	0.6
1109	3.680	0.8081	6.6660	0.496	2.797	2.21	76.27	0.08	6.5	29.9	1.0
1139	4.234	0.7832	7.5520	0.753	2.673	0.81	63.23	0.07	6.7	28.6	2.5
1198	4.020	0.7630	8.1890	0.634	2.866	1.71	71.40	0.06	6.9	30.6	1.5
1258	4.277	0.6975	7.3730	0.722	2.789	2.29	65.34	0.07	7.6	29.8	1.2
1318	6.279	0.6711	6.3080	1.258	3.113	0.63	49.60	0.08	7.9	33.2	3.2
1442	6.969	0.4239	4.2420	0.812	4.936	0.78	70.92	0.12	12.7	52.4	3.2
1629	13.000	0.0701	0.5089	1.698	8.001	0.47	61.66	1.03	94.7	84.2	5.2

Experiment: 73C20
 Sample: 010801-5 J-value: 0.005969 K wt. %: 1.3 Plateau range: 933-1198°C
 Material: Hornblende ^{39}Ar %: 70 wt.: 14.12 mg Uncalibrated plateau age (Ma): 29.7 ± 0.3

T (°C)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	^{39}Ar %	^{40}Ar %	K/Ca	K/Cl	Apparent Age	
										(Ma)	Error 2 σ
427	16.990	0.7731	0.2134	5.151	1.775	5.24	10.47	2.45	6.9	19.0	1.8
558	11.150	0.2093	0.1327	3.118	1.929	6.49	17.34	3.94	27.2	20.7	1.3
604	11.830	0.0987	0.1655	3.187	2.397	3.81	20.32	3.16	64.6	25.6	2.0
652	15.770	0.1165	0.1331	4.420	2.690	2.94	17.09	3.93	54.2	28.7	2.7
805	13.960	0.1300	0.3177	3.848	2.586	2.76	18.56	1.65	47.1	27.6	2.8
912	13.420	0.1311	0.3462	3.708	2.470	5.79	18.44	1.51	46.5	26.4	1.5
933	12.010	0.1571	0.5238	3.171	2.657	4.65	22.18	1.00	37.4	28.4	1.7
955	10.170	0.1759	0.6654	2.507	2.802	7.72	27.60	0.79	32.7	29.9	1.1
972	9.180	0.2281	1.2670	2.186	2.810	10.75	30.68	0.41	24.6	30.0	0.8
989	7.824	0.3518	2.4720	1.741	2.881	8.26	36.90	0.21	15.5	30.8	1.0
1007	4.762	0.6443	5.3110	0.834	2.762	9.16	58.14	0.10	8.2	29.5	0.8
1018	4.103	0.6698	5.6270	0.629	2.738	9.00	66.94	0.09	7.9	29.2	0.8
1030	4.105	0.6688	5.5610	0.641	2.698	8.35	65.94	0.09	7.9	28.8	0.9
1046	5.050	0.6704	5.6150	0.962	2.701	5.09	53.59	0.09	7.9	28.9	1.4
1092	6.402	0.6994	6.1360	1.370	2.895	4.17	45.24	0.09	7.6	30.9	1.8
1198	9.081	0.8038	8.2540	2.361	2.838	3.36	31.17	0.06	6.6	30.3	2.3
1318	16.450	0.7036	7.1850	4.717	3.147	2.45	19.07	0.07	7.6	33.6	3.1

Experiment: 73C17
 Sample: 010801-5 J-value: 0.005973 K wt. %: 2.1 Plateau range: 604-1034°C
 Material: Biotite ^{39}Ar %: 72 wt.: 4.30 mg Uncalibrated plateau age (Ma): 29.3 ± 0.4

T (°C)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	^{39}Ar %	^{40}Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2σ
325	18.050	0.1589	0.1802	5.726	1.122	0.58	6.22	2.9	38.3	12.1	9.2	
389	10.280	0.0931	0.1256	3.065	1.206	1.18	11.77	4.2	69.1	13.0	4.4	
428	8.719	0.0874	0.0928	2.295	1.917	2.18	22.06	5.6	73.3	20.5	2.5	
470	6.897	0.0867	0.0855	1.775	1.631	4.63	23.74	6.1	72.9	17.5	1.2	
495	6.129	0.0789	0.0828	1.448	1.831	5.35	30.01	6.3	81.1	19.6	1.1	
522	6.681	0.0832	0.0860	1.512	2.193	4.96	32.96	6.1	76.2	23.5	1.1	
549	7.479	0.0915	0.0805	1.820	2.080	4.39	27.92	6.5	68.5	22.3	1.2	
577	7.827	0.0976	0.0747	1.829	2.400	4.01	30.78	7.0	63.4	25.7	1.2	
604	7.964	0.1011	0.0731	1.797	2.634	4.20	33.19	7.2	60.8	28.2	1.3	
653	18.280	0.1131	0.0731	5.200	2.893	4.48	15.85	7.2	57.1	30.9	1.6	
702	9.403	0.1068	0.0865	2.248	2.742	2.28	29.25	6.0	57.5	29.3	2.1	
737	9.761	0.1097	0.1291	2.304	2.936	1.05	30.17	4.1	55.8	31.4	4.0	
773	9.182	0.1077	0.1402	2.314	2.331	1.16	25.46	3.7	57.1	24.9	4.1	
809	9.540	0.1054	0.2276	2.234	2.932	1.70	30.82	2.3	58.4	31.3	3.0	
846	9.021	0.1081	0.1182	2.197	2.511	4.23	27.93	4.4	56.7	26.9	1.4	
884	8.899	0.1091	0.1412	2.078	2.743	5.66	30.92	3.7	55.9	29.3	1.1	
900	8.946	0.1121	0.1641	2.061	2.843	5.38	31.88	3.2	54.2	30.4	1.0	
918	8.700	0.1140	0.1591	2.022	2.713	6.44	31.28	3.3	53.1	29.0	0.9	
933	8.661	0.1163	0.1537	1.924	2.963	6.70	34.33	3.4	51.7	31.7	1.2	
950	8.343	0.1164	0.1461	1.898	2.721	7.30	32.73	3.6	51.7	29.1	0.8	
968	8.000	0.1138	0.1603	1.796	2.681	7.34	33.63	3.3	52.9	28.7	0.8	
1000	7.624	0.1177	0.2082	1.651	2.736	9.87	36.02	2.5	50.8	29.2	0.7	
1034	6.905	0.1693	0.7859	1.470	2.605	4.46	37.87	0.7	33.7	27.9	1.1	
1080	7.186	0.4639	3.4110	1.493	3.060	0.45	42.65	0.2	11.6	32.7	5.0	

Experiment: 76B2
 Sample: 050719-4 J-value: 0.007397 K wt. %: 5.8 Plateau range: 861-1150°C
 Material: Biotite ^{39}Ar %: 89 wt.: 3.35 mg Uncalibrated plateau age (Ma): 42.7 ± 0.1

T (°C)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	^{39}Ar %	^{40}Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2σ
500	8.888	0.0756	0.0426	2.1400	2.542	0.45	28.69	0.08	0.01	33.6	3.8	
551	4.649	0.0544	0.0328	0.6884	2.591	0.43	56.09	0.06	0.01	34.3	3.2	
575	4.311	0.0566	0.1061	0.5097	2.788	0.26	65.10	0.20	0.01	36.8	3.5	
601	5.026	0.0537	0.2128	0.7510	2.798	0.21	56.00	0.41	0.01	37.0	4.0	
621	4.846	0.0672	0.0719	0.6811	2.813	0.20	58.41	0.14	0.01	37.2	4.9	
640	4.802	0.0769	0.0108	0.4367	3.487	0.21	73.06	0.02	0.01	45.9	4.3	
660	5.180	0.0930	0.0124	0.8778	2.563	0.23	49.75	0.02	0.02	33.9	4.0	
701	27.570	0.1465	0.0282	7.8990	4.207	0.71	15.28	0.05	0.02	55.3	4.5	
741	4.685	0.1271	0.0109	0.4365	3.374	1.39	72.46	0.02	0.02	44.5	1.1	
781	3.731	0.1225	0.0114	0.1444	3.282	2.22	88.68	0.02	0.02	43.3	0.6	
821	3.640	0.1207	0.0057	0.0780	3.387	3.65	93.81	0.01	0.02	44.6	0.4	
861	3.473	0.1178	0.0044	0.0694	3.245	6.42	94.24	0.01	0.02	42.8	0.3	
906	3.436	0.1168	0.0037	0.0650	3.222	19.63	94.56	0.01	0.02	42.5	0.1	
931	3.467	0.1160	0.0034	0.0670	3.246	11.56	94.43	0.01	0.02	42.8	0.2	
960	3.525	0.1153	0.0056	0.0948	3.222	8.47	92.18	0.01	0.02	42.5	0.2	
990	3.616	0.1167	0.0076	0.1273	3.218	9.14	89.71	0.02	0.02	42.4	0.2	
1010	3.836	0.1197	0.0084	0.1835	3.272	7.52	85.95	0.02	0.02	43.1	0.3	
1030	4.025	0.1186	0.0100	0.2565	3.245	5.25	81.21	0.02	0.02	42.8	0.3	
1050	4.099	0.1191	0.0110	0.2785	3.254	5.05	79.96	0.02	0.02	42.9	0.4	
1071	4.032	0.1185	0.0083	0.2458	3.283	4.58	82.03	0.02	0.02	43.3	0.4	
1090	3.843	0.1185	0.0123	0.2110	3.198	4.44	83.84	0.02	0.02	42.2	0.4	
1120	3.784	0.1225	0.0205	0.1830	3.222	4.56	85.82	0.04	0.02	42.5	0.3	
1150	3.643	0.1305	0.0326	0.1379	3.216	2.84	89.00	0.06	0.02	42.4	0.6	
1200	4.046	0.1474	0.0918	0.2528	3.286	0.59	81.80	0.18	0.03	43.3	2.3	

Experiment: 76B4
 Sample: 050720-3B J-value: 0.0074 K wt. %: 5.2 Plateau range: 861-1150°C
 Material: Biotite ^{39}Ar %: 89 wt.: 3.33 mg Uncalibrated plateau age (Ma): 39.8 ± 0.2

T (°C)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	^{39}Ar %	^{40}Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2σ
500	13.790	0.1504	0.0158	3.837	2.435	1.96	17.69	0.03	0.03	32.2	2.0	
551	11.820	0.1510	0.0327	3.119	2.581	1.38	21.90	0.06	0.03	34.1	2.2	
576	10.480	0.1559	0.0140	2.626	2.695	0.68	25.80	0.03	0.03	35.6	3.1	
601	9.378	0.1670	0.0258	2.136	3.050	0.63	32.62	0.05	0.03	40.3	3.3	
631	7.664	0.1721	0.0204	1.352	3.650	0.75	47.81	0.04	0.03	48.1	2.3	
661	6.420	0.1807	0.0219	1.190	2.887	0.98	45.17	0.04	0.03	38.1	1.8	
690	11.800	0.2097	0.0141	2.926	3.138	2.65	26.66	0.03	0.04	41.4	1.5	
710	3.998	0.2023	0.0049	0.298	3.101	3.77	78.14	0.01	0.04	40.9	0.6	
740	3.454	0.2001	0.0019	0.136	3.036	5.47	88.64	0.00	0.04	40.1	0.3	
781	3.407	0.1925	0.0035	0.121	3.033	7.57	89.80	0.01	0.04	40.0	0.3	
831	3.588	0.1868	0.0035	0.190	3.009	9.36	84.55	0.01	0.03	39.7	0.2	
881	3.838	0.1901	0.0038	0.261	3.050	8.69	80.08	0.01	0.03	40.3	0.3	
906	4.120	0.1983	0.0095	0.360	3.039	10.18	74.29	0.02	0.04	40.1	0.3	
931	3.592	0.2045	0.0094	0.176	3.056	5.44	85.78	0.02	0.04	40.3	0.3	
960	3.340	0.2025	0.0062	0.112	2.993	4.78	90.40	0.01	0.04	39.5	0.4	
990	3.260	0.1983	0.0111	0.096	2.960	4.88	91.61	0.02	0.04	39.1	0.5	
1020	3.169	0.2025	0.0120	0.064	2.965	6.03	94.44	0.02	0.04	39.2	0.4	
1050	3.168	0.2056	0.0105	0.057	2.983	8.91	95.03	0.02	0.04	39.4	0.2	
1080	3.133	0.1895	0.0154	0.040	2.999	8.86	96.64	0.03	0.03	39.6	0.3	
1121	3.156	0.1558	0.0334	0.060	2.962	5.34	94.72	0.06	0.03	39.1	0.4	
1181	3.274	0.1353	0.0935	0.070	3.054	1.69	94.13	0.18	0.02	40.3	0.9	

Experiment: 76B7
 Sample: 050720-10 J-value: 0.007406 K wt. %: 4.3 Plateau range: 731-1140°C
 Material: Biotite ³⁹Ar %: 73 wt.: 2.72 mg Uncalibrated plateau age (Ma): 32.5 ± 0.2

T (°C)	⁴⁰ Ar/ ³⁹ Ar	³⁸ Ar/ ³⁹ Ar	³⁷ Ar/ ³⁹ Ar	³⁶ Ar/ ³⁹ Ar	F	³⁹ Ar %	⁴⁰ Ar %	K/Ca	K/Cl	Apparent Age (Ma)		Error 2σ
500	17.030	0.1829	0.0475	5.1070	1.926	1.49	11.33	0.09	0.03	25.6		3.4
551	11.450	0.0709	0.0253	3.3580	1.504	3.00	13.17	0.05	0.01	20.0		1.9
576	8.469	0.0687	0.0263	2.2200	1.886	2.86	22.35	0.05	0.01	25.0		1.6
601	7.285	0.0668	0.0258	1.7820	1.995	3.10	27.49	0.05	0.01	26.5		1.3
620	6.470	0.0669	0.0341	1.4670	2.112	3.17	32.79	0.07	0.01	28.0		1.3
640	5.829	0.0661	0.0305	1.2250	2.185	3.19	37.67	0.06	0.01	29.0		1.2
661	5.263	0.0660	0.0298	1.0870	2.027	3.28	38.73	0.06	0.01	26.9		1.1
680	8.016	0.0725	0.0244	1.9640	2.187	3.50	27.39	0.05	0.01	29.0		1.2
700	4.827	0.0685	0.0241	0.8292	2.353	3.24	49.04	0.05	0.01	31.2		1.1
731	4.240	0.0680	0.0228	0.5930	2.463	3.77	58.50	0.04	0.01	32.6		0.9
761	3.798	0.0668	0.0188	0.4440	2.462	4.13	65.32	0.04	0.01	32.6		0.8
801	3.352	0.0681	0.0197	0.3099	2.412	4.29	72.59	0.04	0.01	31.9		0.7
840	3.365	0.0673	0.0201	0.3072	2.433	4.45	72.94	0.04	0.01	32.2		0.6
881	3.737	0.0646	0.0233	0.4033	2.521	3.99	68.00	0.05	0.01	33.4		0.7
901	4.074	0.0685	0.0288	0.5025	2.566	5.12	63.43	0.06	0.01	34.0		0.8
921	4.032	0.0687	0.0312	0.5186	2.476	3.80	61.86	0.06	0.01	32.8		0.8
941	4.036	0.0690	0.0259	0.5411	2.413	3.10	60.23	0.05	0.01	32.0		0.9
960	4.038	0.0677	0.0351	0.5099	2.509	3.53	62.57	0.07	0.01	33.2		0.8
990	3.995	0.0675	0.0291	0.4981	2.499	5.99	63.03	0.06	0.01	33.1		0.6
1020	3.813	0.0678	0.0349	0.4686	2.405	8.45	63.57	0.07	0.01	31.9		0.5
1050	3.642	0.0683	0.0468	0.4048	2.424	9.36	67.09	0.09	0.01	32.1		0.4
1080	3.455	0.0712	0.1286	0.3238	2.483	7.57	72.50	0.25	0.01	32.9		0.5
1110	3.138	0.0777	0.3165	0.2541	2.390	4.08	76.86	0.61	0.01	31.7		0.7
1140	3.041	0.0886	0.2572	0.2297	2.361	1.24	78.36	0.49	0.01	31.3		1.9
1181	3.719	0.2364	1.7740	0.5861	2.130	0.30	57.65	3.40	0.04	28.2		8.2

Experiment: 76B8
 Sample: 050721-11 J-value: 0.007409 K wt. %: 4.6 Plateau range: 871-990°C
 Material: Biotite ^{39}Ar %: 52 wt.: 3.96 mg Uncalibrated plateau age (Ma): 41.5 ± 0.3

T (°C)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	39Ar %	40Ar %	K/Ca	K/Cl	Apparent Age (Ma)	Error 2 σ
500	10.770	0.1145	0.0262	3.030	1.797	8.28	16.73	0.05	0.02	23.9	0.9
551	9.917	0.1131	0.0224	2.643	2.084	6.97	21.08	0.04	0.02	27.6	0.9
576	10.090	0.1159	0.0212	2.607	2.361	4.39	23.48	0.04	0.02	31.3	1.0
600	9.844	0.1183	0.0223	2.432	2.637	3.45	26.86	0.04	0.02	34.9	1.2
620	9.499	0.1209	0.0235	2.360	2.503	2.77	26.43	0.05	0.02	33.2	1.2
641	9.380	0.1202	0.0234	2.258	2.687	2.20	28.73	0.05	0.02	35.6	1.4
660	9.481	0.1241	0.0186	2.276	2.734	1.71	28.93	0.04	0.02	36.2	1.7
680	20.140	0.1391	0.0230	5.782	3.033	1.42	15.08	0.04	0.02	40.1	2.7
695	10.480	0.1368	0.0276	2.356	3.500	1.05	33.48	0.05	0.02	46.2	2.3
711	9.900	0.1462	0.0203	2.164	3.484	0.92	35.30	0.04	0.03	46.0	2.5
725	14.440	0.1595	0.0182	3.713	3.447	0.82	23.92	0.04	0.03	45.5	3.1
751	9.603	0.1607	0.0202	2.172	3.166	1.06	33.07	0.04	0.03	41.8	2.2
791	9.240	0.1687	0.0224	1.971	3.397	2.41	36.88	0.04	0.03	44.8	1.3
831	9.449	0.1663	0.0225	2.063	3.334	2.97	35.39	0.04	0.03	44.0	1.2
871	9.550	0.1644	0.0267	2.131	3.234	4.03	33.97	0.05	0.03	42.7	1.0
895	9.270	0.1621	0.0267	2.052	3.187	4.88	34.48	0.05	0.03	42.1	0.9
916	8.960	0.1650	0.0267	1.948	3.184	12.48	35.65	0.05	0.03	42.1	0.6
931	8.700	0.1626	0.0256	1.894	3.084	8.10	35.57	0.05	0.03	40.8	0.6
950	8.485	0.1619	0.0235	1.803	3.139	6.54	37.12	0.05	0.03	41.5	0.7
970	8.182	0.1616	0.0240	1.712	3.103	8.15	38.05	0.05	0.03	41.0	0.7
990	7.916	0.1655	0.0231	1.634	3.070	7.51	38.92	0.04	0.03	40.6	0.6
1010	7.241	0.1709	0.0268	1.333	3.285	4.34	45.55	0.05	0.03	43.4	0.8
1035	5.965	0.1822	0.0441	1.034	2.893	2.10	48.73	0.08	0.03	38.3	1.1
1060	4.686	0.1959	0.1088	0.510	3.169	0.99	68.05	0.21	0.04	41.9	1.7
1084	4.200	0.2241	0.2951	0.384	3.075	0.48	73.71	0.56	0.04	40.6	3.5

$^{40}\text{Ar}/^{39}\text{Ar}$ Single-Grain Fusion Experiments

Experiment: 73A12 Material: K-feldspar
 Sample: 970709-3C J-value: 0.005988

	wt. (µg)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	$^{39}\text{Ar} (\%)$	% $^{40}\text{Ar}^*$	K/Ca	% K	Age (Ma)	2σ Error (Ma)	Included in Wtd. Mean
1	18.7	18.930	0.0334	0.1524	3.6740	8.064	0.04	42.65	3.4	0.20	85.2	43.8	
2	33.1	44.020	0.1201	3.8310	7.2990	22.820	0.15	51.74	0.1	0.48	231.0	13.0	
3	28.4	7.347	0.0140	0.0029	0.1533	6.865	3.31	93.82	181.0	12.04	72.8	0.5	x
4	27.1	36.250	0.0903	1.6650	6.1990	18.070	0.28	49.83	0.3	1.07	186.0	8.0	
5	7.2	7.761	0.0161	0.0099	0.2724	6.928	0.87	89.60	52.9	12.49	73.4	1.9	x
6	18.8	7.331	0.0140	0.0593	0.1004	7.010	1.88	96.01	8.8	10.32	74.3	0.9	x
7	28.9	33.770	0.0743	1.2820	6.5090	14.630	0.39	43.32	0.4	1.38	152.0	6.0	
8	29.5	6.674	0.0134	0.0034	0.1932	6.074	3.59	91.41	153.0	12.57	64.6	0.5	x
9	21.9	7.249	0.0137	0.0043	0.0567	7.053	2.49	97.69	123.0	11.78	74.8	0.7	x
10	28.0	7.277	0.0141	0.0007	0.0906	6.980	3.38	96.31	726.0	12.50	74.0	0.5	x
11	23.5	6.804	0.0149	0.0109	0.2019	6.180	1.09	91.21	48.1	4.79	65.7	1.5	x
12	10.8	7.129	0.0144	0.0046	0.1537	6.646	1.35	93.61	114.0	12.91	70.5	1.2	x
13	9.6	67.080	0.2145	3.3810	13.5800	27.300	0.05	40.63	0.2	0.55	274.0	38.0	
14	16.2	31.570	0.0371	0.5218	8.0650	7.761	0.40	24.59	1.0	2.57	82.1	5.7	
15	30.0	8.198	0.0139	0.0011	0.5019	6.686	3.34	81.85	493.0	11.50	70.9	0.6	
16	25.2	70.290	0.1605	3.1560	16.0600	23.120	0.14	32.84	0.2	0.56	234.0	19.0	
17	17.4	7.573	0.0143	0.0817	0.3100	6.636	2.00	87.95	6.4	11.87	70.4	0.8	
18	15.2	296.000	0.4484	3.4500	86.8800	39.660	0.01	13.37	0.2	0.10	385.0	350.0	
19	25.1	6.949	0.0139	0.0036	0.2070	6.308	2.87	91.16	144.0	11.82	67.0	0.6	x
20	16.2	6.379	0.0133	0.0060	0.0431	6.224	1.63	98.00	87.9	10.43	66.1	1.0	x
21	42.3	8.020	0.0166	0.0620	0.3732	6.893	2.06	86.27	8.4	5.03	73.1	0.8	
22	50.8	7.775	0.0143	0.0021	0.2899	6.889	4.47	88.94	246.0	9.10	73.0	0.5	
23	48.9	8.066	0.0140	0.0018	0.3848	6.900	4.51	85.85	293.0	9.54	73.2	0.5	
24	40.2	7.546	0.0145	0.0017	0.1099	7.192	2.94	95.68	301.0	7.57	76.2	0.6	x
25	33.4	7.690	0.0169	0.2440	0.0917	7.413	0.90	96.75	2.1	2.80	78.5	1.8	x

26	42.4	7.112	0.0136	0.0008	0.1086	6.763	3.44	95.47	655.0	8.39	71.7	0.5	x	
27	35.7	10.930	0.0260	0.1882	1.0760	7.740	1.89	70.99	2.8	5.48	81.9	1.2		
28	39.4	11.520	0.0291	0.3848	1.0970	8.285	1.47	72.09	1.4	3.86	87.5	1.3		
29	45.8	6.780	0.0132	0.0031	0.0955	6.469	3.49	95.82	169.0	7.89	68.7	0.5	x	
30	42.5	7.304	0.0149	0.0616	0.1115	6.951	2.98	95.54	8.5	7.25	73.7	0.6	x	
31	34.7	6.632	0.0133	0.0049	0.0841	6.354	3.36	96.24	106.0	10.01	67.5	0.5	x	
32	54.1	7.018	0.0133	0.0018	0.0988	6.697	6.71	95.82	285.0	12.82	71.1	0.3	x	
33	56.0	9.055	0.0206	0.1244	0.5347	7.458	2.65	82.62	4.2	4.90	78.9	0.8		
34	51.0	9.780	0.0207	0.1416	0.5755	8.063	1.50	82.69	3.7	3.04	85.2	1.2		
35	76.7	31.480	0.0491	0.1477	6.7460	11.530	0.33	36.65	3.5	0.44	121.0	7.0		
36	88.5	7.507	0.0164	0.1392	0.2220	6.834	6.08	91.39	3.8	7.11	72.5	0.4	x	
37	62.1	6.637	0.0140	0.0249	0.1475	6.174	6.85	93.44	21.0	11.41	65.6	0.3	x	
38	37.1	7.396	0.0154	0.0651	0.1840	6.829	3.36	92.70	8.0	9.37	72.4	0.6	x	
39	72.9	6.942	0.0135	0.0099	0.1025	6.610	8.76	95.63	52.9	12.43	70.1	0.3	x	
40	47.7	11.610	0.0213	0.1010	1.5350	7.052	2.98	60.89	5.2	6.45	74.7	0.9		

Weighted mean age (21 of 40): 71.87 ± 1.59 MSWD: 43

Experiment: 73A21 Material: K-feldspar

Sample: 970721-4C J-value: 0.005991

	wt. (μg)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	$^{39}\text{Ar} (\%)$	% $^{40}\text{Ar}^*$	K/Ca	% K	Age (Ma)	2σ Error (Ma)	Included in Wtd. Mean
1	11.4	284.300	0.2659	3.3630	90.4100	17.470	0.43	6.13	0.2	0.48	180.0	116.0	
2	11.2	296.900	0.2348	3.1650	94.2600	18.670	0.42	6.27	0.2	0.48	191.0	122.0	
3	9.4	17.770	0.0228	0.0075	3.0080	8.853	7.87	49.90	70.0	10.70	93.2	2.1	
4	8.3	28.810	0.0257	0.0028	6.6730	9.062	7.30	31.49	187.0	11.23	95.4	2.8	
5	10.4	14.590	0.0245	0.3271	2.0640	8.497	3.21	58.32	1.6	3.95	89.6	2.9	
6	13.2	40.550	0.0378	0.0240	10.4600	9.624	11.01	23.75	21.8	10.65	101.0	3.0	
7	10.1	19.780	0.0276	0.2403	3.5080	9.412	3.39	47.64	2.2	4.29	99.0	3.8	
8	11.3	10.430	0.0158	0.0426	0.4717	9.013	8.33	86.64	12.3	9.41	94.9	1.2	
9	13.8	10.030	0.0143	0.0190	0.2770	9.188	12.09	91.83	27.5	11.19	96.7	0.8	x

10	16.8	27.150	0.0543	3.4660	7.9690	3.889	0.09	14.31	0.2	0.07	41.6	82.7		
11	5.6	9.274	0.0158	0.0796	0.0591	9.078	2.32	98.19	6.6	5.30	95.5	3.4	x	
12	4.5	12.220	0.0335	2.3560	0.9270	9.674	0.60	79.24	0.2	1.69	102.0	12.0		
13	11.2	193.100	0.5029	5.6200	41.1800	72.140	0.01	37.23	0.1	0.01	648.0	107.0		
14	7.2	39.730	0.0955	12.7300	2.8200	32.770	0.09	81.84	0.0	0.16	323.0	74.0		
15	8.4	52.150	0.2140	13.7300	14.1500	11.640	0.09	22.12	0.0	0.13	122.0	122.0		
16	8.6	12.740	0.0166	0.5353	1.2700	9.003	1.66	70.83	1.0	2.47	94.8	4.9		
17	5.4	10.440	0.0215	0.4056	0.4135	9.232	1.53	88.62	1.3	3.62	97.1	4.7		
18	7.6	10.300	0.0209	0.0055	0.2446	9.551	7.13	92.97	95.7	11.98	100.0	1.0	x	
19	7.4	10.940	0.0223	0.6045	0.6699	8.993	1.22	82.36	0.9	2.11	94.7	6.1		
20	6.9	42.850	0.0596	12.8400	7.7140	21.340	0.06	49.41	0.0	0.11	217.0	155.0		
21	11.2	11.050	0.0219	0.4259	0.6650	9.092	3.05	82.51	1.2	3.48	95.7	3.0		
22	9.7	10.050	0.0170	0.0739	0.2782	9.209	4.57	91.87	7.1	6.02	96.9	1.7	x	
23	13.5	12.010	0.0158	0.4011	0.5634	10.350	3.74	86.40	1.3	3.54	109.0	2.0		
24	14	10.390	0.0179	0.2707	0.4635	9.015	4.51	87.01	1.9	4.12	94.9	1.8		
25	7.7	12.330	0.0163	1.6990	0.3569	11.400	0.60	92.64	0.3	1.00	119.0	12.0	x	
26	14.1	13.960	0.0178	0.1593	1.6460	9.078	6.09	65.18	3.3	5.51	95.5	1.9		
27	12	460.100	0.3092	0.0792	149.4000	18.780	5.01	4.08	6.6	5.33	192.0	51.0		
28	9.7	55.160	0.0618	0.8222	15.2700	10.080	1.36	18.27	0.6	1.78	106.0	14.0		
29	12	129.400	0.0986	0.2781	39.4600	12.750	1.54	9.85	1.9	1.64	133.0	25.0		
30	6.7	307.000	0.2091	0.4441	95.1900	25.700	0.58	8.37	1.2	1.10	258.0	85.0		
31	8.2	1072.000	0.7397	8.0940	357.5000	16.240	0.08	1.51	0.1	0.12	167.0	40.0		

Weighted mean age (5 of 31): 98.26 ± 3.34 MSWD: 1.2

Experiment: 73A30 Material: K-feldspar

Sample: 980730-1 J-value: 0.005973

	wt. (µg)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	$^{39}\text{Ar} (\%)$	% $^{40}\text{Ar}^*$	K/Ca	% K	Age (Ma)	2σ Error (Ma)	Included in Wtd. Mean
1	7.5	20.580	0.0598	4.6500	2.2310	14.420	0.05	69.92	0.1	0.51	149.0	43.0	
2	10.7	55.650	0.2068	8.6590	12.5400	19.430	0.04	34.74	0.1	0.27	198.0	61.0	

3	8.2	9.353	0.0147	0.0091	0.0639	9.135	1.20	97.98	57.2	12.01	95.8	1.7	x
4	12.8	8.919	0.0150	0.0047	0.3419	7.880	1.78	88.64	112.0	11.46	83.0	1.2	
5	5.8	9.453	0.0219	0.0012	0.2243	8.761	0.76	92.97	426.0	10.72	92.0	2.7	x
6	9.4	9.273	0.0139	0.0099	0.1844	8.700	1.31	94.11	52.6	11.45	91.4	1.6	x
7	7.4	9.351	0.0173	0.0105	0.2535	8.573	1.09	91.97	49.8	12.18	90.1	1.9	x
8	14.9	9.179	0.0129	0.0018	0.0102	9.120	2.07	99.67	290.0	11.44	95.7	1.0	x
9	9.2	9.328	0.0180	0.0046	0.1486	8.860	1.28	95.28	113.0	11.46	93.0	1.7	x
10	12.2	9.020	0.0136	0.0003	0.2923	8.128	1.69	90.40	1830.0	11.43	85.5	1.2	x
11	10.4	10.760	0.0197	0.2595	0.6536	8.819	0.58	82.21	2.0	4.56	92.6	3.5	
12	9.2	9.246	0.0181	0.0037	0.1102	8.892	1.23	96.47	142.0	11.03	93.4	1.8	x
13	7.8	8.574	0.0143	0.0019	0.0701	8.338	1.01	97.58	277.0	10.70	87.7	2.0	x
14	6.8	18.920	0.0613	4.4030	0.9687	16.460	0.03	86.90	0.1	0.39	169.0	57.0	
15	8.4	129.500	0.6808	7.3020	14.5900	87.420	0.00	67.21	0.1	0.02	758.0	109.0	
16	6.0	9.052	0.0163	0.0142	0.2366	8.326	0.71	92.27	36.8	9.74	87.6	3.2	x
17	8.0	10.620	0.0180	0.0401	0.7445	8.393	0.71	79.26	13.0	7.33	88.3	2.8	
18	5.1	9.642	0.0191	0.0008	0.3875	8.468	0.67	88.09	652.0	10.82	89.0	3.2	
19	8.1	9.609	0.0151	0.0089	0.2221	8.924	1.02	93.16	58.9	10.41	93.7	2.0	x
20	6.8	9.686	0.0125	0.1861	0.1165	9.330	0.42	96.60	2.8	5.14	97.8	4.4	x
21	33.7	9.346	0.0154	0.0430	0.2640	8.541	3.73	91.67	12.2	9.12	89.8	0.7	x
22	28.9	8.974	0.0157	0.0241	0.1793	8.417	3.53	94.10	21.7	10.06	88.5	0.7	x
23	25.8	9.588	0.0182	0.0057	0.0915	9.289	3.55	97.18	92.4	11.32	97.4	0.6	x
24	21.4	9.946	0.0173	0.1291	0.0410	9.808	1.21	98.90	4.1	4.67	103.0	2.0	x
25	17.7	8.900	0.0158	0.0036	0.2378	8.169	2.53	92.08	144.0	11.78	85.9	0.9	x
26	32.8	9.062	0.0156	0.0031	0.1283	8.654	4.70	95.81	168.0	11.80	90.9	0.5	x
27	25.4	10.190	0.0182	0.0145	0.4075	8.954	3.15	88.16	36.2	10.21	94.0	0.8	
28	26.5	9.545	0.0183	0.0507	0.2472	8.790	2.65	92.37	10.3	8.23	92.3	0.9	x
29	27.3	9.343	0.0185	0.0053	0.0989	9.022	3.92	96.87	98.4	11.82	94.7	0.6	x
30	25.6	9.541	0.0177	0.0038	0.1900	8.951	2.67	94.10	139.0	8.57	94.0	0.9	x
31	39.6	9.415	0.0176	0.0020	0.0896	9.122	5.92	97.18	263.0	12.31	95.7	0.4	x
32	34.3	9.238	0.0140	0.0062	0.1970	8.627	4.49	93.69	83.8	10.77	90.6	0.5	x
33	36.9	9.167	0.0142	0.0027	0.0920	8.866	5.24	97.03	193.0	11.68	93.1	0.5	x

34	43.4	9.158	0.0162	0.0096	0.1022	8.828	5.75	96.70	54.5	10.91	92.7	0.4	x	
35	33.1	9.355	0.0172	0.0303	0.1562	8.867	4.04	95.08	17.3	10.04	93.1	0.6	x	
36	35.9	9.704	0.0197	0.0401	0.3170	8.742	4.24	90.36	13.0	9.72	91.8	0.6	x	
37	33.9	9.194	0.0154	0.0018	0.0757	8.941	5.07	97.56	298.0	12.32	93.9	0.5	x	
38	40.6	9.626	0.0169	0.0010	0.0482	9.455	6.25	98.52	518.0	12.67	99.1	0.4	x	
39	38.6	9.385	0.0166	0.0227	0.1577	8.892	5.31	95.04	23.0	11.32	93.4	0.5	x	
40	41.7	10.450	0.0158	0.0558	0.5276	8.872	4.39	85.09	9.4	8.66	93.2	0.6		

Weighted mean age (30 of 40): 93.70 ± 1.26 MSWD: 13

Experiment: 73A3 Material: K-feldspar

Sample: 980730-3 J-value: 0.005985

	wt. (μg)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	$^{39}\text{Ar} (\%)$	% $^{40}\text{Ar}^*$	K/Ca	% K	Age (Ma)	2σ Error (Ma)	Included in Wtd. Mean
1	5.2	8.938	0.0144	0.0161	0.1369	8.506	1.90	95.48	32.5	13.02	89.6	1.9	x
2	5.8	9.226	0.0161	0.0070	0.1924	8.629	2.50	93.83	74.9	15.35	90.8	1.5	x
3	6.4	8.751	0.0124	0.0083	0.1002	8.426	2.14	96.61	62.6	11.89	88.8	1.7	x
4	6.5	9.009	0.0125	0.0175	0.1889	8.423	1.96	93.80	29.9	10.74	88.7	1.9	x
5	11.7	9.792	0.0177	0.0236	0.0178	9.713	4.91	99.49	22.1	14.93	102.0	1.0	x
6	7.5	9.700	0.0159	0.0171	0.1476	9.237	3.00	95.51	30.5	14.25	97.1	1.3	x
7	8.7	11.260	0.0201	0.8665	1.0710	8.148	0.56	72.50	0.6	2.28	85.9	6.2	
8	6.9	9.502	0.0131	0.0147	0.1553	9.015	4.63	95.17	35.6	13.89	94.8	0.9	x
9	4.8	9.581	0.0136	0.0046	0.1438	9.127	2.57	95.56	113.0	9.06	96.0	1.5	x
10	11.3	9.213	0.0165	0.0100	0.1917	8.618	4.09	93.84	52.3	12.90	90.7	1.0	x
11	10.4	35.530	0.0657	0.6753	6.6240	15.990	0.06	45.03	0.8	0.21	165.0	59.0	
12	10.8	8.933	0.0167	0.0169	0.1138	8.570	4.08	96.24	31.0	13.44	90.2	0.9	x
13	8.8	9.037	0.0159	0.0096	0.1342	8.612	3.49	95.61	54.6	14.14	90.7	1.1	x
14	8.0	9.131	0.0145	0.0318	0.1069	8.789	2.80	96.56	16.4	12.44	92.5	1.3	x
15	6.8	103.200	0.3246	2.9030	6.3150	84.930	0.01	82.17	0.2	0.03	741.0	512.0	
16	9.6	8.877	0.0167	0.0097	0.0979	8.560	3.63	96.74	53.9	13.45	90.1	1.0	x
17	12.1	46.200	0.0633	10.7400	9.8570	18.120	0.06	38.97	0.0	0.18	186.0	60.0	

18	10.4	9.834	0.0149	0.0610	0.5198	8.275	3.32	84.39	8.6	11.37	87.2	1.3	
19	8.9	9.015	0.0137	0.0492	0.3728	7.889	2.68	87.79	10.6	10.73	83.2	1.3	
20	14.2	9.485	0.0152	0.0087	0.3665	8.374	4.70	88.56	59.8	11.78	88.2	0.9	
21	7.6	8.594	0.0126	0.0292	0.1333	8.174	2.62	95.43	17.9	12.26	86.2	1.3	x
22	11.6	8.936	0.0150	0.0095	0.1698	8.406	4.05	94.38	55.0	12.43	88.6	1.0	x
23	11.0	9.312	0.0155	0.0265	0.1934	8.714	4.23	93.87	19.8	13.69	91.7	0.9	x
24	15.7	8.956	0.0138	0.0093	0.1264	8.555	5.54	95.83	56.2	12.56	90.1	0.7	x
25	7.6	9.572	0.0184	0.0194	0.0756	9.322	2.73	97.68	26.9	12.78	97.9	1.3	x
26	7.4	10.370	0.0202	0.0339	0.5388	8.749	2.57	84.63	15.4	12.35	92.1	1.5	
27	9.7	8.791	0.0135	0.0060	0.1431	8.340	3.58	95.18	87.0	13.14	87.9	1.0	x
28	9.2	8.889	0.0141	0.0273	0.1941	8.289	3.22	93.55	19.1	12.45	87.3	1.2	x
29	11.0	9.103	0.0145	0.0609	0.3430	8.066	2.89	88.89	8.6	9.35	85.1	1.4	
30	6.4	9.309	0.0128	0.0448	0.3331	8.300	1.72	89.44	11.7	9.56	87.5	2.2	
31	12.0	9.117	0.0144	0.0360	0.1965	8.511	3.76	93.65	14.5	11.16	89.6	1.1	x
32	8.3	8.934	0.0152	0.0435	0.1743	8.394	2.70	94.26	12.0	11.60	88.4	1.3	x
33	11.2	8.819	0.0123	0.0159	0.0375	8.681	3.31	98.76	32.9	10.53	91.4	1.1	x
34	12.8	8.890	0.0142	0.0126	0.2462	8.134	3.99	91.80	41.4	11.11	85.8	1.0	x

Weighted mean age (24 of 34): 91.82 ± 1.29 MSWD: 7.1

Experiment: 73A46
 Sample: 980802-2B Material: K-feldspar
 J-value: 0.005925

	wt. (μg)	$^{40}\text{Ar}/^{39}\text{Ar}$	$^{38}\text{Ar}/^{39}\text{Ar}$	$^{37}\text{Ar}/^{39}\text{Ar}$	$^{36}\text{Ar}/^{39}\text{Ar}$	F	$^{39}\text{Ar} (\%)$	% $^{40}\text{Ar}^*$	K/Ca	% K	Age (Ma)	2σ Error (Ma)	Included in Wtd. Mean
1	8.1	8.677	0.0170	0.4861	1.1880	5.181	0.72	59.89	1.1	1.87	54.5	6.4	
2	8.6	6.804	0.0132	0.0327	0.1269	6.403	4.24	94.51	16.0	10.43	67.2	1.1	x
3	8.5	8.840	0.0141	0.0257	0.7194	6.688	6.07	75.90	20.3	15.10	70.1	0.9	
4	12.8	7.124	0.0134	0.0167	0.0950	6.816	6.43	96.06	31.3	10.62	71.4	0.8	x
5	8.2	21.970	0.0386	3.1470	2.6480	14.430	0.18	65.61	0.2	0.48	148.0	24.0	
6	5.1	14.410	0.0180	1.0070	1.5180	9.990	0.32	69.43	0.5	1.32	104.0	13.0	
7	7.8	6.900	0.0131	0.0232	0.2068	6.262	3.40	91.13	22.5	9.21	65.7	1.5	x

8	6.1	18.400	0.0207	0.0288	3.9160	6.797	2.97	37.01	18.2	10.31	71.2	2.8
9	6.8	21.730	0.0483	0.9102	4.3910	8.817	0.39	40.60	0.6	1.21	91.9	14.5
10	12.2	6.698	0.0128	0.0357	0.0051	6.658	5.17	99.82	14.6	8.96	69.8	0.9
11	5.6	7.233	0.0127	0.0475	0.0885	6.947	2.64	96.43	11.0	9.96	72.8	1.7
12	7.8	7.030	0.0120	0.0379	0.0068	6.985	4.08	99.76	13.8	11.05	73.2	1.2
13	7.9	6.635	0.0124	0.0226	0.0549	6.446	4.05	97.58	23.2	10.83	67.6	1.2
14	6.7	7.110	0.0131	0.0213	0.0589	6.909	3.44	97.57	24.6	10.86	72.4	1.3
15	7.1	8.544	0.0144	0.0021	0.4769	7.106	3.33	83.45	244.0	9.92	74.4	1.5
16	7.2	7.961	0.0140	0.0214	0.3994	6.754	3.72	85.14	24.5	10.94	70.8	1.4
17	13.4	7.310	0.0127	0.0213	0.2506	6.542	6.39	89.85	24.6	10.08	68.6	0.8
18	6.8	7.420	0.0124	0.0200	0.2111	6.769	3.45	91.58	26.1	10.74	70.9	1.5
19	6.3	43.640	0.0538	1.7700	7.9660	20.260	0.20	46.39	0.3	0.67	205.0	25.0
20	4.6	10.410	0.0153	0.0116	1.4860	5.987	2.48	57.69	45.1	11.40	62.9	2.4
21	5.3	6.498	0.0130	0.0191	0.2312	5.788	2.46	89.47	27.3	9.83	60.8	1.8
22	7.4	54.500	0.1211	6.4920	13.4000	15.520	0.09	28.37	0.1	0.26	159.0	61.0
23	9.4	6.683	0.0129	0.0075	0.0668	6.457	4.40	97.04	69.5	9.91	67.7	1.1
24	4.2	7.053	0.0126	0.0768	0.1828	6.491	2.38	92.41	6.8	11.97	68.1	2.0
25	3.8	30.290	0.0395	3.0410	8.5170	5.370	0.13	17.71	0.2	0.72	56.5	36.1
26	8.6	7.240	0.0128	0.0439	0.0313	7.123	4.48	98.77	11.9	11.01	74.6	1.0
27	7.5	12.630	0.0160	0.0087	1.9800	6.751	3.31	53.58	60.0	9.35	70.8	1.8
28	7.2	6.695	0.0124	0.0252	0.1457	6.238	2.85	93.57	20.8	8.38	65.5	1.6
29	5.6	7.341	0.0127	0.0854	0.1857	6.771	2.48	92.60	6.1	9.35	71.0	1.8
30	9.4	7.182	0.0136	0.0317	0.0673	6.957	4.36	97.26	16.5	9.80	72.9	1.0
31	8.2	6.973	0.0128	0.0295	0.1571	6.482	3.57	93.35	17.7	9.20	68.0	1.2
32	15.3	38.450	0.0636	2.4180	9.1520	11.610	0.46	30.16	0.2	0.63	120.0	15.0
33	9.9	6.894	0.0129	0.0291	0.1526	6.417	5.37	93.47	18.0	11.47	67.3	1.0

Weighted mean age (17 of 33):

70.73 ± 1.34

MSWD:

5.6

